GORDIAN®

# Job Order Contract Construction Task Catalog

CSI Division 01-50 June 2025

**Los Angeles County**

**Department of Public Works**

**Waterworks District**

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# About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **County of Los Angeles, Department of Public Works**, priced locally using current labor, material and equipment costs, and published in **June 2025**.
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# *MasterFormat™*

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

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# The Unit Prices Include:

## Labor Costs:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, payroll taxes, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, traffic control, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.

## Equipment Costs:

- ☑ Equipment costs include all equipment required to accomplish the task.
- ☑ Mobilization and Delivery are included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

## Material Costs:

- ☑ Material costs include the cost of the material, delivery, traffic control personnel, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

# The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

## Business Costs:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.


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- ☑ Insurance and bonding.
- ☑ Profit.
- ☑ Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- ☑ Subcontractor's overhead and profit.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material and labor cost fluctuations.
- ☑ Payroll taxes, workers compensation, insurance costs and any other payment mandated by law in connection with labor, and inflation or material cost fluctuations.

## Project Related Costs:

- ☑ Project trailer, equipment and supplies, and portable toilets for Contractor's use.
- ☑ Project management and project supervision.
- ☑ Services required to complete project filings and obtain permits.
- ☑ Preparation and modification of sketches, drawings, submittals, as-built drawings, and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, reflective cones, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner's security requirements.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☑ Sealing windows doors, and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.
- ☑ Protection of all surfaces including those not in the scope of work from dust, debris or damage during construction is part of Adjustment Factors. The methods of protection including plastic, paper, Masonite, sealing of doors or windows, etc. are the Contractor's responsibility.
- ☑ Costs resulting from productivity loss.

## Price Variations:

- ☑ Contractors may experience direct costs that are different than the unit prices set forth in the Construction Task Catalog. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

## Summary:

- ☑ This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- ☑ The only compensation to be paid to the Contractor for unit price tasks will be:

| Unit Price | X | Quantity | X | Adjustment Factor |
|---|---|---|---|---|

- ☑ No additional payments of any kind whatsoever will be made.
- ☑ All costs in excess of the unit prices, must be included in the Adjustment Factors.

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## General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the contractor will be paid for such crane or lifting equipment as a separate task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, Programming, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, Programming of Controls, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- ☑ Whenever there are alternative tasks that may be selected to complete work, the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

## Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

## Working Height:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working


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surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

## Field Engineering:

☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate tasks.

## Assemblies:

☑ Assembly tasks take precedence over individual component tasks.

## Restricted and Confined Spaces:

☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.

☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

## Technical Specifications:

☑ Technical Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a Technical Specification shall be considered included in the unit price, unless the task description states otherwise.

# Or Equals:

☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

# Useful Information:

## Unit of Measure Definitions:

**ACR** – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted

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Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT –** Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

## Material Weights:

### Earthen Material

☑ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

| | Material Weight (Lbs Per CY) | | |
|---|---|---|---|
| Material | In-place (Bank) | Loose (Excavated Materials) | Compacted |
| Earth, Common (Average) | 3170 | 2536 | 3520 |
| Sand | 2880 | 2590 | 3240 |
| Earth, Rock Mix. (75% E/ 25% R) | 3380 | 2370 | 3720 |
| Earth, Rock Mix. (50% E/50% R) | 3750 | 2710 | 4000 |
| Earth, Rock Mix. (25% E/ 75% R) | 4120 | 3140 | 3680 |
| Gravel (Average) | 3280 | 2730 | 3570 |
| Limestone | 4380 | 2690 | 3220 |
| Riprap Rock (Average) | 4500 | 2610 | 3150 |
| Granite | 4540 | 2640 | 3170 |
| Basalt | 4950 | 3020 | 3640 |
| Clay | 3220 | 2150 | 3570 |
| Gneiss | 4550 | 2720 | 3180 |

## Bulk Factors for Demolition:

☑ The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

## Conversions:

**1 Acre =** 43,560 Square Feet = 4046.8 Square Meters

**1 Board Foot =** 12” x 12” x 1” = 144 Cubic Inches

**1 Centimeter =** 0.3937 Inches = 0.0328 Feet

**1 Cubic Foot =** 0.03704 Cubic Yards = 0.02832 Cubic Meters

**1 Cubic Meter =** 1.3080 Cubic Yards = 35.3147 Cubic Feet

**1 Cubic Yard =** 27 Cubic Feet = 0.7646 Cubic Meters

**1 Foot =** 12 Inches = 0.3048 Meters

**1 Inch =** 2.54 Centimeters = 0.0254 Meters

**1 Kilogram =** 2.2046 Pounds

**1 Kilometer =** 0.6214 Miles = 3280 Feet

**1 Meter =** 100 Centimeters = 3.2808 Feet


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**1 Mile =** 5280 Feet = 1.6093 Kilometers

**1 Pound =** 0.4536 Kilograms

**1 Square Foot =** 144 Square Inches = .0929 Square Meters

**1 Square Meter =** 1.1960 Square Yards = 10.7639 Square Feet

**1 Square Yard =** 9 Square Feet = 0.8361 Square Meters

**1 Ton =** 2000 Pounds = 907.185 Kilograms

**1 Yard =** 3 Feet = 0.9144 Meters

| Sheet Metal Thickness (inches) | | | | |
|---|---|---|---|---|
| Gage No. | Steel Sheet | Galvanized Steel Sheet | Stainless Steel Sheet | Aluminum Sheet |
| 10 | .135 | .138 | .141 | |
| 11 | .120 | .123 | .125 | |
| 12 | .105 | .108 | .109 | |
| 13 | .090 | .093 | .094 | .072 |
| 14 | .075 | .079 | .078 | .064 |
| 15 | .067 | .071 | .070 | .057 |
| 16 | .060 | .064 | .063 | .051 |
| 17 | .054 | .058 | .056 | .045 |
| 18 | .048 | .052 | .050 | .040 |
| 19 | .042 | .046 | .044 | .036 |
| 20 | .036 | .040 | .038 | .032 |
| 21 | .033 | .037 | .034 | .028 |
| 22 | .030 | .034 | .031 | .025 |
| 23 | .027 | .031 | .028 | .023 |
| 24 | .024 | .028 | .025 | .020 |
| 25 | .021 | .025 | .022 | .018 |
| 26 | .018 | .022 | .019 | .017 |

## Standard Geometry:

**Circle**

- Circumference = 2 π radius = π diameter
- Area = π radius$^2$ = π (diameter$^2$ / 4)

**Cylinder**

- Volume = (π radius$^2$)height
- Surface Area = 2 π radius$^2$+(2 π radius)height

**Sphere**

- Volume = (4 π radius$^3$) / 3
- Surface Area = 4 π radius$^2$

**π = 3.14159**

**United Inch**

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

# 01 General Requirements

## 01 10 Summary *(01)*

### 01 11 Summary Of Work *(01 10)*

#### 01 11 13 Work Covered by Contract Documents *(01 11)*

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001 NTE Work Covered by Contract Documents ..... 0.00
Note: For specification publishing. Review specifications for requirements.

#### 01 11 19 Purchase Contracts *(01 11)*

01 11 19 00-0001 Purchase Contracts *(01 11 19)*

Note: Purchase Contracts include contracts which are not included in The Construction Task Catalog®.

01 11 19 00-0002 EA Purchase Contracts ..... 1.00
Note: Purchase Contracts will be paid to the contractor for eligible costs as directed by Owner. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost, i.e.; quantity of 125 = $125.00 purchase. If there are multiple Purchase Contracts, list each one separately and add a comment in the "note" block to identify the Purchase Contracts. Insert the appropriate quantity to adjust the base cost to the actual Purchase Contracts. The Adjustment Factor should be 1.00. A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.

## 01 20 Price and Payment Procedures *(01)*

### 01 22 Unit Prices *(01 20)*

#### 01 22 16 Unit Price Payment *(01 22)*

01 22 16 00-0001 Reimbursable Fees *(01 22 16)*

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, recycling fees, dump fees, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002 EA Reimbursable Fees ..... 1.00
Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.

#### 01 22 20 Wage Rates *(01 22)*

01 22 20 00-0001 Local Labor/Wage Rates *(01 22 20)*

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002 HR Asbestos Removal Worker ..... 103.70
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
*For Apprentice, Deduct* *-20.74*

01 22 20 00-0003 HR Insulator ..... 113.49
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
*For Apprentice, Deduct* *-22.70*

01 22 20 00-0004 HR Boilermaker ..... 118.42
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
*For Apprentice, Deduct* *-23.68*

01 22 20 00-0005 HR Brick Layer ..... 97.55
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
*For Apprentice, Deduct* *-19.51*

01 22 20 00-0006 HR Carpenter ..... 109.11
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
*For Apprentice, Deduct* *-21.82*

01 22 20 00-0007 HR Carpet, Linoleum ..... 91.74
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
*For Apprentice, Deduct* *-18.35*

01 22 20 00-0008 HR Cement Mason ..... 93.68
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
*For Apprentice, Deduct* *-18.74*

01 22 20 00-0009 HR Drywall Finisher ..... 103.12
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
*For Apprentice, Deduct* *-20.62*

01 22 20 00-0010 HR Electrician ..... 125.30
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
*For Apprentice, Deduct* *-25.06*

01 22 20 00-0011 HR Equipment Operator (Crane Group 3) ..... 123.02
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
*For Foreperson, Add* *6.15*

01 22 20 00-0012 HR Equipment Operator (Crane Group 5) ..... 123.55
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
*For Foreperson, Add* *6.18*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 20 00-0013 | HR | Equipment Operator (Crane Group 7) | 123.88 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Foreperson, Add* | *6.19* | |
| 01 22 20 00-0014 | HR | Equipment Operator (Crane Group 8) | 124.13 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Foreperson, Add* | *6.21* | |
| 01 22 20 00-0015 | HR | Equipment Operator (Crane Group 9) | 124.38 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Foreperson, Add* | *6.22* | |
| 01 22 20 00-0016 | HR | Equipment Operator (Crane Group 10) | 125.84 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Foreperson, Add* | *6.29* | |
| 01 22 20 00-0017 | HR | Equipment Operator (Crane Group 11) | 127.30 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Foreperson, Add* | *6.37* | |
| 01 22 20 00-0018 | HR | Equipment Operator (Crane Group 12) | 128.75 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Foreperson, Add* | *6.44* | |
| 01 22 20 00-0019 | HR | Equipment Operator (Crane Group 13) | 130.21 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Foreperson, Add* | *6.51* | |
| 01 22 20 00-0020 | HR | Equipment Operator (Group 2) | 120.63 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-24.13* | |
| | | *For Foreperson, Add* | *6.03* | |
| 01 22 20 00-0021 | HR | Equipment Operator (Group 3) | 121.06 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-24.21* | |
| | | *For Foreperson, Add* | *6.05* | |
| 01 22 20 00-0022 | HR | Equipment Operator (Group 4) | 123.23 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-24.65* | |
| 01 22 20 00-0023 | HR | Equipment Operator (Group 6) | 123.55 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-24.71* | |
| | | *For Foreperson, Add* | *6.18* | |
| 01 22 20 00-0024 | HR | Equipment Operator (Group 8) | 123.71 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-24.74* | |
| 01 22 20 00-0025 | HR | Equipment Operator (Group 10) | 123.88 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-24.78* | |
| | | *For Foreperson, Add* | *6.19* | |
| 01 22 20 00-0026 | HR | Equipment Operator (Group 12) | 124.13 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-24.83* | |
| | | *For Foreperson, Add* | *6.21* | |
| 01 22 20 00-0027 | HR | Glazier | 114.29 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-22.86* | |
| 01 22 20 00-0028 | HR | Laborer | 98.99 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| 01 22 20 00-0029 | HR | Lather | 101.09 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-20.22* | |
| 01 22 20 00-0030 | HR | Marble Setter | 97.55 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-19.51* | |
| 01 22 20 00-0031 | HR | Millwright | 102.37 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-20.47* | |
| 01 22 20 00-0032 | HR | Mold Removal Worker | 103.27 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-20.65* | |
| | | *For Foreperson, Add* | *5.16* | |
| 01 22 20 00-0033 | HR | Painter, Ordinary | 81.92 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-16.38* | |
| 01 22 20 00-0034 | HR | Painter, Structural Steel | 87.89 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-17.58* | |
| 01 22 20 00-0035 | HR | Paperhanger | 81.92 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-16.38* | |
| 01 22 20 00-0036 | HR | Pile Drivers | 108.05 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-21.61* | |
| 01 22 20 00-0037 | HR | Plasterer | 101.51 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-20.30* | |
| 01 22 20 00-0038 | HR | Plumber | 115.66 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-23.13* | |
| 01 22 20 00-0039 | HR | Powderman | 108.55 | |
| | | Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | | |
| | | *For Apprentice, Deduct* | *-21.71* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 20 00-0040 | HR | Rodman (Reinforcing)/Ornamental Steel Worker<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 108.07 | |
| | | *For Apprentice, Deduct* | *-21.61* | |
| 01 22 20 00-0041 | HR | Roofer, Composite<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 128.22 | |
| | | *For Apprentice, Deduct* | *-25.64* | |
| 01 22 20 00-0042 | HR | Roofer, Metal<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 155.28 | |
| | | *For Apprentice, Deduct* | *-31.06* | |
| | | *For Foreperson, Add* | *7.76* | |
| 01 22 20 00-0043 | HR | Roofer, Tile/Slate<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 124.56 | |
| | | *For Apprentice, Deduct* | *-24.91* | |
| 01 22 20 00-0044 | HR | Sheet Metal Worker<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 126.22 | |
| | | *For Apprentice, Deduct* | *-25.24* | |
| 01 22 20 00-0045 | HR | Sprinkler Installer<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 114.94 | |
| | | *For Apprentice, Deduct* | *-22.99* | |
| 01 22 20 00-0046 | HR | Steam / Pipe Fitter<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 115.66 | |
| | | *For Apprentice, Deduct* | *-23.13* | |
| 01 22 20 00-0047 | HR | Stone Mason<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 97.55 | |
| | | *For Apprentice, Deduct* | *-19.51* | |
| 01 22 20 00-0048 | HR | Structural Steel Worker<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 111.37 | |
| | | *For Apprentice, Deduct* | *-22.27* | |
| 01 22 20 00-0049 | HR | Tile Layer<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 94.24 | |
| | | *For Apprentice, Deduct* | *-18.85* | |
| 01 22 20 00-0050 | HR | Terrazzo Worker<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 86.73 | |
| | | *For Apprentice, Deduct* | *-17.35* | |
| 01 22 20 00-0051 | HR | Truck Driver (Group 2)<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 95.10 | |
| | | *For Apprentice, Deduct* | *-19.02* | |
| 01 22 20 00-0052 | HR | Truck Driver (Group 3)<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 95.30 | |
| | | *For Apprentice, Deduct* | *-19.06* | |
| | | *For Foreperson, Add* | *4.77* | |
| 01 22 20 00-0053 | HR | Truck Driver (Group 4)<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 95.58 | |
| | | *For Apprentice, Deduct* | *-19.12* | |
| | | *For Foreperson, Add* | *4.78* | |
| 01 22 20 00-0054 | HR | Truck Driver (Group 5)<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 95.62 | |
| | | *For Apprentice, Deduct* | *-19.12* | |
| | | *For Foreperson, Add* | *4.78* | |
| 01 22 20 00-0055 | HR | Truck Driver (Group 6)<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 95.67 | |
| | | *For Apprentice, Deduct* | *-19.13* | |
| 01 22 20 00-0056 | HR | Truck Driver (Group 7)<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 96.04 | |
| | | *For Apprentice, Deduct* | *-19.21* | |
| 01 22 20 00-0057 | HR | Truck Driver (Group 8)<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 96.42 | |
| | | *For Apprentice, Deduct* | *-19.28* | |
| | | *For Foreperson, Add* | *4.82* | |
| 01 22 20 00-0058 | HR | Truck Driver (Group 9)<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 96.72 | |
| | | *For Apprentice, Deduct* | *-19.34* | |
| | | *For Foreperson, Add* | *4.84* | |
| 01 22 20 00-0059 | HR | Class I Diver<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 214.97 | |
| 01 22 20 00-0060 | HR | Class III Diver Tender<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 119.53 | |
| 01 22 20 00-0061 | HR | D1 Certified Welder<br>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. | 127.60 | |

## 01 22 20 00-0062 Rates For Services *(01 22 20)*

| | | | | |
|---|---|---|---|---|
| 01 22 20 00-0063 | HR | Watch/Guard Person, Unarmed | 40.28 | |
| 01 22 20 00-0064 | HR | Watch/Guard Person, Armed | 51.80 | |
| 01 22 20 00-0065 | HR | Senior Surveyor (Party Chief) | 137.65 | |
| 01 22 20 00-0066 | HR | Surveyor (Instrument person) | 127.32 | |
| 01 22 20 00-0067 | HR | Surveyor (Rod Person) | 126.33 | |
| 01 22 20 00-0068 | HR | On-Site Certified Materials Testing Technician | 96.50 | |
| 01 22 20 00-0069 | HR | Certified Industrial Hygienist | 130.08 | |
| 01 22 20 00-0070 | MI | Mileage For Professional Services (Engineering, Surveying, Etcetera)<br>Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100. | 0.67 | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 20 00-0071 | HR | Fire Watch Laborer<br>Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation. | 98.99 | |
| **01 22 20 00-0072** | | **Rates For Project Management Services** *(01 22 20)*<br>Note: Includes subcontracted rates with burden and mark-up | | |
| 01 22 20 00-0073 | HR | Project Manager | 160.00 | |
| **01 22 20 00-0074** | | **Rates For Architectural And Engineering Services** *(01 22 20)*<br>Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services. Includes subcontracted rates with burden and mark-up | | |
| 01 22 20 00-0075 | HR | Principal Engineer | 209.92 | |
| 01 22 20 00-0076 | HR | Senior Engineer | 174.08 | |
| 01 22 20 00-0077 | HR | Engineer | 136.96 | |
| **01 22 20 00-0078** | | **Rates For Traffic Control** *(01 22 20)* | | |
| 01 22 20 00-0079 | HR | Flagperson For Traffic Control | 98.99 | |
| **01 22 20 00-0080** | | **Mobilize Equipment** *(01 22 20)* | | |
| 01 22 20 00-0081 | HR | Escort Vehicle With Driver | 109.86 | |
| 01 22 20 00-0082 | HR | Transport Vehicle With Driver | 138.66 | |
| **01 22 20 00-0083** | | **Diver Rates** *(01 22 20)* | | |
| 01 22 20 00-0084 | DAY | Four Person Dive Team With No Decompression Chamber (Up To Fifty Feet)<br>Note: Includes labor and equipment to perform the dive portion of the job. Excludes welding machines, underwater burning and welding rigs, generators, tools, underwater video equipment, air compressors, pumps, and boats. | 5,345.95 | |
| 01 22 20 00-0085 | DAY | Eight Person Dive Team With Decompression Chamber (Up To Two Hundred Feet)<br>Note: Includes labor and equipment to perform the dive portion of the job. Excludes welding machines, underwater burning and welding rigs, generators, tools, underwater video equipment, air compressors, pumps, and boats. | 9,962.02 | |
| 01 22 20 00-0086 | DAY | Decompression Chamber And 5120 Air Compressor | 1,517.56 | |
| 01 22 20 00-0087 | DAY | Decompression Chamber Stand-By | 689.80 | |
| 01 22 20 00-0088 | NPP | HP Air Bottles (NPP To Be Billed At Cost Plus 15%) | 0.00 | |
| 01 22 20 00-0089 | NPP | Oxygen Bottles (NPP To Be Billed At Cost Plus 15%) | 0.00 | |
| 01 22 20 00-0090 | NPP | Nitrox Bottles (NPP To Be Billed At Cost Plus 15%) | 0.00 | |
| 01 22 20 00-0091 | DAY | Mixed Gas Console | 137.96 | |
| 01 22 20 00-0092 | DAY | Bail Out System | 344.90 | |
| 01 22 20 00-0093 | DAY | Explosive Meter | 124.16 | |
| 01 22 20 00-0094 | DAY | 200 Amperes, Welding Machine With Leads | 298.58 | |
| 01 22 20 00-0095 | DAY | 400 Amperes, Welding Machine With Leads | 414.90 | |
| 01 22 20 00-0096 | DAY | Topside Burning Rig | 137.96 | |
| 01 22 20 00-0097 | DAY | Underwater Burning Rig | 248.33 | |
| 01 22 20 00-0098 | DAY | Underwater Welding Rig | 386.29 | |
| 01 22 20 00-0099 | EA | Underwater Burning Rods | 10.76 | |
| 01 22 20 00-0100 | EA | Underwater Welding Rods | 5.24 | |
| 01 22 20 00-0101 | NPP | Oxygen / Acetylene (NPP To Be Billed At Cost Plus 15%) | 0.00 | |
| 01 22 20 00-0102 | DAY | 2,000 Watt Generator | 95.67 | |
| 01 22 20 00-0103 | DAY | 3,000 Watt Generator | 109.49 | |
| 01 22 20 00-0104 | DAY | 50 KW Generator | 728.19 | |
| 01 22 20 00-0105 | DAY | Hydraulic Unit | 275.92 | |
| 01 22 20 00-0106 | DAY | Hydraulic Tools | 110.37 | |
| 01 22 20 00-0107 | DAY | Pneumatic Tools | 68.98 | |
| 01 22 20 00-0108 | NPP | Concrete Chain Saw Blades (NPP To Be Billed At Cost Plus 15%) | 0.00 | |
| 01 22 20 00-0109 | DAY | Roto Drill | 110.37 | |
| 01 22 20 00-0110 | DAY | Underwater Video Equipment And Monitor | 540.07 | |
| 01 22 20 00-0111 | DAY | Air Compressor <180 CFM | 304.60 | |
| 01 22 20 00-0112 | DAY | Air Compressor >180 CFM | 483.23 | |
| 01 22 20 00-0113 | DAY | 3" Trash Pump | 178.92 | |
| 01 22 20 00-0114 | DAY | 4" Submersible Pump | 200.09 | |
| 01 22 20 00-0115 | DAY | 6" Submersible Pump | 404.02 | |
| 01 22 20 00-0116 | DAY | 6" Diesel Pump | 432.88 | |
| 01 22 20 00-0117 | DAY | Lengths Of Suction Hose (Each) | 21.44 | |
| 01 22 20 00-0118 | DAY | Lengths Of Discharge Hose (Each) | 21.44 | |
| 01 22 20 00-0119 | DAY | 4 Ton Flatbed Trailer With Sides | 205.75 | |
| 01 22 20 00-0120 | DAY | Equipment Storage Trailer | 49.28 | |
| 01 22 20 00-0121 | DAY | Equipment Vehicle | 338.59 | |
| 01 22 20 00-0122 | DAY | Dive Boat | 1,103.68 | |
| 01 22 20 00-0123 | DAY | Jon Boat | 110.37 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 01 22 23 Equipment Usage *(01 22)*

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0078 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

### 01 22 23 00-0001 Aerial Equipment *(01 22 23)*

### 01 22 23 00-0002 Man Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

### 01 22 23 00-0003 Telescoping Boom Man Lifts With Platform *(01 22 23 00-0002)*

### 01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform *(01 22 23 00-0003)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0005 | DAY | 40' Engine Powered, Telescoping Boom Man Lift With Platform | 460.35 | |
| | | *For Four-Wheel Drive, Add* | *103.58* | |
| | | *For Half Day Usage, Deduct* | *-143.86* | |
| 01 22 23 00-0006 | WK | 40' Engine Powered, Telescoping Boom Man Lift With Platform | 1,158.30 | |
| | | *For Four-Wheel Drive, Add* | *260.62* | |
| 01 22 23 00-0007 | MO | 40' Engine Powered, Telescoping Boom Man Lift With Platform | 2,598.75 | |
| | | *For Four-Wheel Drive, Add* | *584.72* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-103.95* | |
| 01 22 23 00-0008 | DAY | 60' Engine Powered, Telescoping Boom Man Lift With Platform | 675.68 | |
| | | *For Four-Wheel Drive, Add* | *152.03* | |
| | | *For Half Day Usage, Deduct* | *-211.15* | |
| 01 22 23 00-0009 | WK | 60' Engine Powered, Telescoping Boom Man Lift With Platform | 1,611.22 | |
| | | *For Four-Wheel Drive, Add* | *362.52* | |
| 01 22 23 00-0010 | MO | 60' Engine Powered, Telescoping Boom Man Lift With Platform | 3,526.88 | |
| | | *For Four-Wheel Drive, Add* | *793.55* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-141.08* | |
| 01 22 23 00-0011 | DAY | 80' Engine Powered, Telescoping Boom Man Lift With Platform | 1,314.22 | |
| | | *For Four-Wheel Drive, Add* | *295.70* | |
| | | *For Half Day Usage, Deduct* | *-410.69* | |
| 01 22 23 00-0012 | WK | 80' Engine Powered, Telescoping Boom Man Lift With Platform | 3,185.32 | |
| | | *For Four-Wheel Drive, Add* | *716.70* | |
| 01 22 23 00-0013 | MO | 80' Engine Powered, Telescoping Boom Man Lift With Platform | 6,682.50 | |
| | | *For Four-Wheel Drive, Add* | *1,503.56* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-267.30* | |
| 01 22 23 00-0014 | DAY | 110' Engine Powered, Telescoping Boom Man Lift With Platform | 1,871.10 | |
| | | *For Four-Wheel Drive, Add* | *421.00* | |
| | | *For Half Day Usage, Deduct* | *-584.72* | |
| 01 22 23 00-0015 | WK | 110' Engine Powered, Telescoping Boom Man Lift With Platform | 4,505.49 | |
| | | *For Four-Wheel Drive, Add* | *1,013.74* | |
| 01 22 23 00-0016 | MO | 110' Engine Powered, Telescoping Boom Man Lift With Platform | 11,226.60 | |
| | | *For Four-Wheel Drive, Add* | *2,525.99* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-449.06* | |
| 01 22 23 00-0017 | DAY | 120' Engine Powered, Telescoping Boom Man Lift With Platform | 2,279.48 | |
| | | *For Four-Wheel Drive, Add* | *512.88* | |
| | | *For Half Day Usage, Deduct* | *-712.34* | |
| 01 22 23 00-0018 | WK | 120' Engine Powered, Telescoping Boom Man Lift With Platform | 5,813.78 | |
| | | *For Four-Wheel Drive, Add* | *1,308.10* | |
| 01 22 23 00-0019 | MO | 120' Engine Powered, Telescoping Boom Man Lift With Platform | 13,216.50 | |
| | | *For Four-Wheel Drive, Add* | *2,973.71* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-528.66* | |

### 01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0002)*

### 01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0022 | DAY | 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 423.31 | |
| | | *For Half Day Usage, Deduct* | *-132.28* | |
| 01 22 23 00-0023 | WK | 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 1,062.12 | |
| 01 22 23 00-0024 | MO | 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 2,555.24 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-102.21* | |
| 01 22 23 00-0025 | DAY | 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 538.76 | |
| | | *For Half Day Usage, Deduct* | *-168.36* | |
| 01 22 23 00-0026 | WK | 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 1,177.56 | |
| 01 22 23 00-0027 | MO | 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 2,923.13 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-116.93* | |
| 01 22 23 00-0028 | DAY | 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 692.68 | |
| | | *For Half Day Usage, Deduct* | *-216.46* | |
| 01 22 23 00-0029 | WK | 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 1,600.87 | |
| 01 22 23 00-0030 | MO | 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 3,578.87 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-143.15* | |
| 01 22 23 00-0031 | DAY | 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 1,208.35 | |
| | | *For Half Day Usage, Deduct* | *-377.61* | |
| 01 22 23 00-0032 | WK | 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 2,847.70 | |
| 01 22 23 00-0033 | MO | 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 6,925.31 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-277.01* | |
| 01 22 23 00-0034 | DAY | 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 2,347.43 | |
| | | *For Half Day Usage, Deduct* | *-733.57* | |
| 01 22 23 00-0035 | WK | 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 5,541.48 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0036 | MO | 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform | 13,545.84 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-541.83* | |

## 01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: For use on paved surfaces.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0038 | DAY | 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform | 423.31 | |
| | | *For Half Day Usage, Deduct* | *-132.28* | |
| 01 22 23 00-0039 | WK | 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform | 1,062.12 | |
| 01 22 23 00-0040 | MO | 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform | 2,555.24 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-102.21* | |
| 01 22 23 00-0041 | DAY | 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform | 423.31 | |
| | | *For Half Day Usage, Deduct* | *-132.28* | |
| 01 22 23 00-0042 | WK | 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform | 1,062.12 | |
| 01 22 23 00-0043 | MO | 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform | 2,555.24 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-102.21* | |
| 01 22 23 00-0044 | DAY | 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform | 523.36 | |
| | | *For Half Day Usage, Deduct* | *-163.55* | |
| 01 22 23 00-0045 | WK | 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform | 1,131.39 | |
| 01 22 23 00-0046 | MO | 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform | 2,809.22 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-112.37* | |
| 01 22 23 00-0047 | DAY | 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform | 523.36 | |
| | | *For Half Day Usage, Deduct* | *-163.55* | |
| 01 22 23 00-0048 | WK | 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform | 1,131.39 | |
| 01 22 23 00-0049 | MO | 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform | 2,809.22 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-112.37* | |

## 01 22 23 00-0050 Platform Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

## 01 22 23 00-0051 Electric, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: For use on paved surfaces.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0052 | DAY | 17' Electric, Scissor Platform Lift | 191.42 | |
| | | *For Half Day Usage, Deduct* | *-59.82* | |
| 01 22 23 00-0053 | WK | 17' Electric, Scissor Platform Lift | 382.84 | |
| 01 22 23 00-0054 | MO | 17' Electric, Scissor Platform Lift | 783.09 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-31.32* | |
| 01 22 23 00-0055 | DAY | 20' Electric, Scissor Platform Lift | 208.82 | |
| | | *For Half Day Usage, Deduct* | *-65.26* | |
| 01 22 23 00-0056 | WK | 20' Electric, Scissor Platform Lift | 417.65 | |
| 01 22 23 00-0057 | MO | 20' Electric, Scissor Platform Lift | 835.30 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-33.41* | |
| 01 22 23 00-0058 | DAY | 25' Electric, Scissor Platform Lift | 269.73 | |
| | | *For Half Day Usage, Deduct* | *-84.29* | |
| 01 22 23 00-0059 | WK | 25' Electric, Scissor Platform Lift | 539.46 | |
| 01 22 23 00-0060 | MO | 25' Electric, Scissor Platform Lift | 1,157.23 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-46.29* | |
| 01 22 23 00-0061 | DAY | 30' Electric, Scissor Platform Lift | 348.04 | |
| | | *For Half Day Usage, Deduct* | *-108.76* | |
| 01 22 23 00-0062 | WK | 30' Electric, Scissor Platform Lift | 687.38 | |
| 01 22 23 00-0063 | MO | 30' Electric, Scissor Platform Lift | 1,522.68 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-60.91* | |
| 01 22 23 00-0064 | DAY | 33' Electric, Scissor Platform Lift | 374.14 | |
| | | *For Half Day Usage, Deduct* | *-116.92* | |
| 01 22 23 00-0065 | WK | 33' Electric, Scissor Platform Lift | 730.88 | |
| 01 22 23 00-0066 | MO | 33' Electric, Scissor Platform Lift | 1,653.19 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-66.13* | |
| 01 22 23 00-0067 | DAY | 40' Electric, Scissor Platform Lift | 487.26 | |
| | | *For Half Day Usage, Deduct* | *-152.27* | |
| 01 22 23 00-0068 | WK | 40' Electric, Scissor Platform Lift | 1,209.44 | |
| 01 22 23 00-0069 | MO | 40' Electric, Scissor Platform Lift | 3,367.29 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-134.69* | |

## 01 22 23 00-0070 Engine Powered, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0071 | DAY | 25' Engine Powered, Scissor Platform Lift | 446.47 | |
| | | *For Four-Wheel Drive, Add* | *89.29* | |
| | | *For Half Day Usage, Deduct* | *-139.52* | |
| 01 22 23 00-0072 | WK | 25' Engine Powered, Scissor Platform Lift | 873.09 | |
| | | *For Four-Wheel Drive, Add* | *174.62* | |
| 01 22 23 00-0073 | MO | 25' Engine Powered, Scissor Platform Lift | 2,133.12 | |
| | | *For Four-Wheel Drive, Add* | *426.62* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-85.32* | |
| 01 22 23 00-0074 | DAY | 33' Engine Powered, Scissor Platform Lift | 456.39 | |
| | | *For Four-Wheel Drive, Add* | *91.28* | |
| | | *For Half Day Usage, Deduct* | *-142.62* | |
| 01 22 23 00-0075 | WK | 33' Engine Powered, Scissor Platform Lift | 1,041.76 | |
| | | *For Four-Wheel Drive, Add* | *208.35* | |
| 01 22 23 00-0076 | MO | 33' Engine Powered, Scissor Platform Lift | 2,281.94 | |
| | | *For Four-Wheel Drive, Add* | *456.39* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-91.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0077 | DAY | 40' Engine Powered, Scissor Platform Lift | 506.00 | |
| | | *For Four-Wheel Drive, Add* | *101.20* | |
| | | *For Half Day Usage, Deduct* | *-158.13* | |
| 01 22 23 00-0078 | WK | 40' Engine Powered, Scissor Platform Lift | 1,160.82 | |
| | | *For Four-Wheel Drive, Add* | *232.16* | |
| 01 22 23 00-0079 | MO | 40' Engine Powered, Scissor Platform Lift | 2,579.59 | |
| | | *For Four-Wheel Drive, Add* | *515.92* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-103.18* | |
| 01 22 23 00-0080 | DAY | 43' Engine Powered, Scissor Platform Lift | 535.76 | |
| | | *For Four-Wheel Drive, Add* | *107.15* | |
| | | *For Half Day Usage, Deduct* | *-167.43* | |
| 01 22 23 00-0081 | WK | 43' Engine Powered, Scissor Platform Lift | 1,250.11 | |
| | | *For Four-Wheel Drive, Add* | *250.02* | |
| 01 22 23 00-0082 | MO | 43' Engine Powered, Scissor Platform Lift | 3,075.66 | |
| | | *For Four-Wheel Drive, Add* | *615.13* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-123.03* | |
| 01 22 23 00-0083 | DAY | 50' Engine Powered, Scissor Platform Lift | 1,002.07 | |
| | | *For Four-Wheel Drive, Add* | *200.41* | |
| | | *For Half Day Usage, Deduct* | *-313.15* | |
| 01 22 23 00-0084 | WK | 50' Engine Powered, Scissor Platform Lift | 2,202.57 | |
| | | *For Four-Wheel Drive, Add* | *440.51* | |
| 01 22 23 00-0085 | MO | 50' Engine Powered, Scissor Platform Lift | 5,417.14 | |
| | | *For Four-Wheel Drive, Add* | *1,083.43* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-216.69* | |

## 01 22 23 00-0086 Personnel Lifts *(01 22 23 00-0001)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0087 | DAY | 24', Push-Type, Electric Single Man Personnel Lift | 129.29 | |
| | | *For Half Day Usage, Deduct* | *-40.40* | |
| 01 22 23 00-0088 | WK | 24', Push-Type, Electric Single Man Personnel Lift | 366.33 | |
| 01 22 23 00-0089 | MO | 24', Push-Type, Electric Single Man Personnel Lift | 739.85 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-29.59* | |
| 01 22 23 00-0090 | DAY | 30', Push-Type, Electric Single Man Personnel Lift | 179.58 | |
| | | *For Half Day Usage, Deduct* | *-56.12* | |
| 01 22 23 00-0091 | WK | 30', Push-Type, Electric Single Man Personnel Lift | 380.70 | |
| 01 22 23 00-0092 | MO | 30', Push-Type, Electric Single Man Personnel Lift | 1,292.94 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-51.72* | |
| 01 22 23 00-0093 | DAY | 36', Push-Type, Electric Single Man Personnel Lift | 301.69 | |
| | | *For Half Day Usage, Deduct* | *-94.28* | |
| 01 22 23 00-0094 | WK | 36', Push-Type, Electric Single Man Personnel Lift | 732.67 | |
| 01 22 23 00-0095 | MO | 36', Push-Type, Electric Single Man Personnel Lift | 2,140.53 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-85.62* | |
| 01 22 23 00-0096 | DAY | 40', Push-Type, Electric Single Man Personnel Lift | 323.24 | |
| | | *For Half Day Usage, Deduct* | *-101.01* | |
| 01 22 23 00-0097 | WK | 40', Push-Type, Electric Single Man Personnel Lift | 804.50 | |
| 01 22 23 00-0098 | MO | 40', Push-Type, Electric Single Man Personnel Lift | 2,420.67 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-96.83* | |
| 01 22 23 00-0099 | DAY | 15', Self-Propelled, Electric Single Man Personnel Lift | 172.39 | |
| | | *For Half Day Usage, Deduct* | *-53.87* | |
| 01 22 23 00-0100 | WK | 15', Self-Propelled, Electric Single Man Personnel Lift | 344.78 | |
| 01 22 23 00-0101 | MO | 15', Self-Propelled, Electric Single Man Personnel Lift | 689.57 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-27.58* | |
| 01 22 23 00-0102 | DAY | 20', Self-Propelled, Electric Single Man Personnel Lift | 172.39 | |
| | | *For Half Day Usage, Deduct* | *-53.87* | |
| 01 22 23 00-0103 | WK | 20', Self-Propelled, Electric Single Man Personnel Lift | 344.78 | |
| 01 22 23 00-0104 | MO | 20', Self-Propelled, Electric Single Man Personnel Lift | 716.86 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-28.67* | |

## 01 22 23 00-0105 Bucket Trucks *(01 22 23 00-0001)*

Note: Includes full-time operator, delivery, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0106 | DAY | 29' To 33' Bucket Truck With Full-Time Operator | 1,464.30 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-601.10* | |
| 01 22 23 00-0107 | WK | 29' To 33' Bucket Truck With Full-Time Operator | 5,923.61 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-0108 | MO | 29' To 33' Bucket Truck With Full-Time Operator | 21,920.11 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-213.49* | |
| 01 22 23 00-0109 | DAY | 38' To 41' Bucket Truck With Full-Time Operator | 1,553.26 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-628.90* | |
| 01 22 23 00-0110 | WK | 38' To 41' Bucket Truck With Full-Time Operator | 6,209.54 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-0111 | MO | 38' To 41' Bucket Truck With Full-Time Operator | 22,682.59 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-243.99* | |
| 01 22 23 00-0112 | DAY | 45' To 48' Bucket Truck With Full-Time Operator | 1,782.00 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-700.38* | |
| 01 22 23 00-0113 | WK | 45' To 48' Bucket Truck With Full-Time Operator | 6,622.55 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0114 | MO | 45' To 48' Bucket Truck With Full-Time Operator | 23,572.15 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-279.58* | |
| 01 22 23 00-0115 | DAY | 62' Bucket Truck With Full-Time Operator | 2,290.32 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-859.23* | |
| 01 22 23 00-0116 | WK | 62' Bucket Truck With Full-Time Operator | 8,274.59 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-0117 | MO | 62' Bucket Truck With Full-Time Operator | 28,019.95 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-457.49* | |
| 01 22 23 00-0118 | DAY | 85' Bucket Truck With Full-Time Operator | 2,544.48 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-938.66* | |
| 01 22 23 00-0119 | WK | 85' Bucket Truck With Full-Time Operator | 9,164.15 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-0120 | MO | 85' Bucket Truck With Full-Time Operator | 31,196.95 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-584.57* | |
| 01 22 23 00-0121 | Day | 105' Bucket Truck With Full-Time Operator | 2,671.56 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-978.37* | |
| 01 22 23 00-0122 | WK | 105' Bucket Truck With Full-Time Operator | 9,545.39 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-0123 | MO | 105' Bucket Truck With Full-Time Operator | 31,501.94 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-596.77* | |

## 01 22 23 00-0124 Air Equipment *(01 22 23)*

## 01 22 23 00-0125 Air Compressors *(01 22 23 00-0124)*

Note: Includes delivery, set-up, and removal. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0126 | DAY | 100 CFM Diesel Powered Portable Air Compressor | 171.76 | |
| | | *For Half Day Usage, Deduct* | *-53.68* | |
| 01 22 23 00-0127 | WK | 100 CFM Diesel Powered Portable Air Compressor | 515.30 | |
| 01 22 23 00-0128 | MO | 100 CFM Diesel Powered Portable Air Compressor | 1,431.38 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-57.26* | |
| 01 22 23 00-0129 | DAY | 130 CFM Diesel Powered Portable Air Compressor | 206.12 | |
| | | *For Half Day Usage, Deduct* | *-64.41* | |
| 01 22 23 00-0130 | WK | 130 CFM Diesel Powered Portable Air Compressor | 606.90 | |
| 01 22 23 00-0131 | MO | 130 CFM Diesel Powered Portable Air Compressor | 1,717.65 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-68.71* | |
| 01 22 23 00-0132 | DAY | 185 CFM Diesel Powered Portable Air Compressor | 274.82 | |
| | | *For Half Day Usage, Deduct* | *-85.88* | |
| 01 22 23 00-0133 | WK | 185 CFM Diesel Powered Portable Air Compressor | 618.35 | |
| 01 22 23 00-0134 | MO | 185 CFM Diesel Powered Portable Air Compressor | 1,362.67 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-54.51* | |
| 01 22 23 00-0135 | DAY | 375 CFM Diesel Powered Portable Air Compressor | 389.33 | |
| | | *For Half Day Usage, Deduct* | *-121.67* | |
| 01 22 23 00-0136 | WK | 375 CFM Diesel Powered Portable Air Compressor | 984.79 | |
| 01 22 23 00-0137 | MO | 375 CFM Diesel Powered Portable Air Compressor | 2,347.46 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-93.90* | |
| 01 22 23 00-0138 | DAY | 600 CFM Diesel Powered Portable Air Compressor | 865.70 | |
| | | *For Half Day Usage, Deduct* | *-270.53* | |
| 01 22 23 00-0139 | WK | 600 CFM Diesel Powered Portable Air Compressor | 2,084.08 | |
| 01 22 23 00-0140 | MO | 600 CFM Diesel Powered Portable Air Compressor | 5,194.17 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-207.77* | |
| 01 22 23 00-0141 | DAY | 750 CFM Diesel Powered Portable Air Compressor | 1,042.04 | |
| | | *For Half Day Usage, Deduct* | *-325.64* | |
| 01 22 23 00-0142 | WK | 750 CFM Diesel Powered Portable Air Compressor | 2,565.02 | |
| 01 22 23 00-0143 | MO | 750 CFM Diesel Powered Portable Air Compressor | 6,298.05 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-251.92* | |
| 01 22 23 00-0144 | DAY | 825 CFM Diesel Powered Portable Air Compressor | 1,042.04 | |
| | | *For Half Day Usage, Deduct* | *-325.64* | |
| 01 22 23 00-0145 | WK | 825 CFM Diesel Powered Portable Air Compressor | 2,565.02 | |
| 01 22 23 00-0146 | MO | 825 CFM Diesel Powered Portable Air Compressor | 6,298.05 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-251.92* | |
| 01 22 23 00-0147 | DAY | 1,300 CFM Diesel Powered Portable Air Compressor | 1,213.81 | |
| | | *For Half Day Usage, Deduct* | *-379.32* | |
| 01 22 23 00-0148 | WK | 1,300 CFM Diesel Powered Portable Air Compressor | 2,720.76 | |
| 01 22 23 00-0149 | MO | 1,300 CFM Diesel Powered Portable Air Compressor | 7,255.35 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-290.21* | |
| 01 22 23 00-0150 | DAY | 1,600 CFM Diesel Powered Portable Air Compressor | 1,511.53 | |
| | | *For Half Day Usage, Deduct* | *-472.35* | |
| 01 22 23 00-0151 | WK | 1,600 CFM Diesel Powered Portable Air Compressor | 3,400.95 | |
| 01 22 23 00-0152 | MO | 1,600 CFM Diesel Powered Portable Air Compressor | 9,069.19 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-362.77* | |

## 01 22 23 00-0153 Portable Negative Air Machines *(01 22 23 00-0124)*

Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0154 | DAY | Up To 2,000 CFM, Portable Negative Air Machine | 121.26 | |
| | | *For Half Day Usage, Deduct* | *-37.89* | |
| 01 22 23 00-0155 | WK | Up To 2,000 CFM, Portable Negative Air Machine | 498.04 | |
| 01 22 23 00-0156 | MO | Up To 2,000 CFM, Portable Negative Air Machine | 1,504.95 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-60.20* | |
| 01 22 23 00-0157 | EA | First Stage Pre-Filter For Portable Negative Air Machines | 14.78 | |
| 01 22 23 00-0158 | EA | Second Stage Pre-Filter For Portable Negative Air Machines | 30.03 | |
| 01 22 23 00-0159 | EA | High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines | 142.42 | |
| 01 22 23 00-0160 | LF | Flexible Exhaust Duct For Portable Negative Air Machines | 2.57 | |

## 01 22 23 00-0161 Portable Air Scrubbers *(01 22 23 00-0124)*

Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0162 | DAY | Up To 1,000 CFM, Portable Air Scrubber | 66.63 | |
| | | *For Half Day Usage, Deduct* | *-20.82* | |
| 01 22 23 00-0163 | WK | Up To 1,000 CFM, Portable Air Scrubber | 276.97 | |
| 01 22 23 00-0164 | MO | Up To 1,000 CFM, Portable Air Scrubber | 766.67 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-30.67* | |
| 01 22 23 00-0165 | DAY | >1,000 to 2,000 CFM, Portable Air Scrubber | 84.29 | |
| | | *For Half Day Usage, Deduct* | *-26.34* | |
| 01 22 23 00-0166 | WK | >1,000 to 2,000 CFM, Portable Air Scrubber | 349.22 | |
| 01 22 23 00-0167 | MO | >1,000 to 2,000 CFM, Portable Air Scrubber | 1,023.57 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-40.94* | |
| 01 22 23 00-0168 | DAY | >2,000 To 5,000 CFM, Portable Air Scrubber | 108.38 | |
| | | *For Half Day Usage, Deduct* | *-33.87* | |
| 01 22 23 00-0169 | WK | >2,000 To 5,000 CFM, Portable Air Scrubber | 461.61 | |
| 01 22 23 00-0170 | MO | >2,000 To 5,000 CFM, Portable Air Scrubber | 1,292.51 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-51.70* | |
| 01 22 23 00-0171 | EA | First Stage Pre-Filter For Portable Air Scrubbers | 19.59 | |
| 01 22 23 00-0172 | EA | Second Stage Pre-Filter For Portable Air Scrubbers | 26.02 | |
| 01 22 23 00-0173 | EA | High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers | 238.76 | |

## 01 22 23 00-0174 Compaction And Paving Equipment *(01 22 23)*

## 01 22 23 00-0175 Pavers And Rollers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

## 01 22 23 00-0176 Pavers *(01 22 23 00-0175)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0177 | DAY | 10' Wide Paving Machine With Full-Time Operator | 3,937.86 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-1,416.14* | |
| 01 22 23 00-0178 | WK | 10' Wide Paving Machine With Full-Time Operator | 16,741.15 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0179 | MO | 10' Wide Paving Machine With Full-Time Operator | 63,560.72 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,684.71* | |

## 01 22 23 00-0180 Ride-On Self-Propelled, Rubber Tire Rollers *(01 22 23 00-0175)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0181 | DAY | 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator | 1,323.43 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-599.14* | |
| 01 22 23 00-0182 | WK | 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator | 5,957.86 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0183 | MO | 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator | 24,183.30 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-109.61* | |
| 01 22 23 00-0184 | DAY | 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator | 1,452.25 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-639.39* | |
| 01 22 23 00-0185 | WK | 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator | 6,915.82 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0186 | MO | 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator | 25,629.61 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-167.47* | |
| 01 22 23 00-0187 | DAY | 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator | 1,458.11 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-641.22* | |
| 01 22 23 00-0188 | WK | 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator | 6,535.21 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0189 | MO | 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator | 25,910.68 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-178.71* | |

## 01 22 23 00-0190 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0175)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0191 | DAY | 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 1,376.13 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-615.60* | |
| 01 22 23 00-0192 | WK | 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 6,019.93 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0193 | MO | 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 24,540.49 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-123.90* | |
| 01 22 23 00-0194 | DAY | 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 1,622.06 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-692.46* | |
| 01 22 23 00-0195 | WK | 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 6,517.64 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0196 | MO | 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 26,109.76 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-186.67* | |
| 01 22 23 00-0197 | DAY | 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 1,680.62 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-710.76* | |
| 01 22 23 00-0198 | WK | 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 6,886.54 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0199 | MO | 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 27,140.33 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-227.90* | |

## 01 22 23 00-0200 Towed, Padfoot Rollers *(01 22 23 00-0175)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0201 | DAY | 48" Wide, 40" Diameter, Towed Padfoot Roller | 111.25 | |
| | | *For Half Day Usage, Deduct* | *-34.77* | |
| 01 22 23 00-0202 | WK | 48" Wide, 40" Diameter, Towed Padfoot Roller | 322.05 | |
| 01 22 23 00-0203 | MO | 48" Wide, 40" Diameter, Towed Padfoot Roller | 948.59 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-37.94* | |
| 01 22 23 00-0204 | DAY | 60" Wide, 60" Diameter, Towed Padfoot Roller | 140.53 | |
| | | *For Half Day Usage, Deduct* | *-43.92* | |
| 01 22 23 00-0205 | WK | 60" Wide, 60" Diameter, Towed Padfoot Roller | 392.32 | |
| 01 22 23 00-0206 | MO | 60" Wide, 60" Diameter, Towed Padfoot Roller | 1,668.82 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-66.75* | |

## 01 22 23 00-0207 Static Rollers *(01 22 23 00-0175)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0208 | DAY | 5 Ton, 2 Drum Articulated Roller With Full-Time Operator | 1,405.41 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-624.75* | |
| 01 22 23 00-0209 | WK | 5 Ton, 2 Drum Articulated Roller With Full-Time Operator | 6,271.71 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0210 | MO | 5 Ton, 2 Drum Articulated Roller With Full-Time Operator | 25,366.11 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-156.93* | |
| 01 22 23 00-0211 | DAY | 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator | 1,534.23 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-665.01* | |
| 01 22 23 00-0212 | WK | 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator | 6,623.04 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0213 | MO | 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator | 26,338.13 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-195.81* | |

## 01 22 23 00-0214 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0175)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0215 | DAY | 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 1,218.03 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-566.20* | |
| 01 22 23 00-0216 | WK | 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 5,615.90 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0217 | MO | 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 23,199.58 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-70.27* | |
| 01 22 23 00-0218 | DAY | 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 1,305.87 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-593.65* | |
| 01 22 23 00-0219 | WK | 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 5,879.39 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0220 | MO | 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 23,902.24 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-98.37* | |
| 01 22 23 00-0221 | DAY | 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 1,364.42 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-611.94* | |
| 01 22 23 00-0222 | WK | 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 6,055.06 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0223 | MO | 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 24,370.68 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-117.11* | |
| 01 22 23 00-0224 | DAY | 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 1,440.54 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-635.73* | |
| 01 22 23 00-0225 | WK | 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 6,277.57 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0226 | MO | 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 24,950.37 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-140.30* | |
| 01 22 23 00-0227 | DAY | 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 1,592.79 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-683.31* | |
| 01 22 23 00-0228 | WK | 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 6,722.59 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0229 | MO | 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator | 26,127.33 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-187.38* | |

## 01 22 23 00-0230 Steel Roadway Plates *(01 22 23 00-0174)*

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0231 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0231 | EA | Placement And Removal Of Steel Roadway Plates | 60.70 | |
| 01 22 23 00-0232 | DAY | 1" x 4' x 8' Steel Plate | 44.88 | |
| 01 22 23 00-0233 | WK | 1" x 4' x 8' Steel Plate | 105.98 | |
| 01 22 23 00-0234 | MO | 1" x 4' x 8' Steel Plate | 139.47 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.58* | |
| 01 22 23 00-0235 | DAY | 1" x 4' x 10' Steel Plate | 59.85 | |
| 01 22 23 00-0236 | WK | 1" x 4' x 10' Steel Plate | 134.65 | |
| 01 22 23 00-0237 | MO | 1" x 4' x 10' Steel Plate | 164.58 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-6.58* | |
| 01 22 23 00-0238 | DAY | 1" x 5' x 10' Steel Plate | 62.34 | |
| 01 22 23 00-0239 | WK | 1" x 5' x 10' Steel Plate | 140.89 | |
| 01 22 23 00-0240 | MO | 1" x 5' x 10' Steel Plate | 374.04 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-14.96* | |
| 01 22 23 00-0241 | DAY | 1" x 6' x 8' Steel Plate | 39.90 | |
| 01 22 23 00-0242 | WK | 1" x 6' x 8' Steel Plate | 89.77 | |
| 01 22 23 00-0243 | MO | 1" x 6' x 8' Steel Plate | 239.39 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-9.58* | |
| 01 22 23 00-0244 | DAY | 1" x 6' x 10' Steel Plate | 74.81 | |
| 01 22 23 00-0245 | WK | 1" x 6' x 10' Steel Plate | 98.50 | |
| 01 22 23 00-0246 | MO | 1" x 6' x 10' Steel Plate | 263.07 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-10.52* | |
| 01 22 23 00-0247 | DAY | 1" x 6' x 12' Steel Plate | 104.73 | |
| 01 22 23 00-0248 | WK | 1" x 6' x 12' Steel Plate | 134.03 | |
| 01 22 23 00-0249 | MO | 1" x 6' x 12' Steel Plate | 362.82 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-14.51* | |
| 01 22 23 00-0250 | DAY | 1" x 8' x 10' Steel Plate | 66.08 | |
| 01 22 23 00-0251 | WK | 1" x 8' x 10' Steel Plate | 148.37 | |
| 01 22 23 00-0252 | MO | 1" x 8' x 10' Steel Plate | 395.24 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-15.81* | |
| 01 22 23 00-0253 | DAY | 1" x 8' x 12' Steel Plate | 119.69 | |
| 01 22 23 00-0254 | WK | 1" x 8' x 12' Steel Plate | 148.37 | |
| 01 22 23 00-0255 | MO | 1" x 8' x 12' Steel Plate | 718.16 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-28.73* | |
| 01 22 23 00-0256 | DAY | 1" x 8' x 16' Steel Plate | 159.59 | |
| 01 22 23 00-0257 | WK | 1" x 8' x 16' Steel Plate | 359.08 | |
| 01 22 23 00-0258 | MO | 1" x 8' x 16' Steel Plate | 957.54 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-38.30* | |
| 01 22 23 00-0259 | DAY | 1-1/4" x 8' x 10' Steel Plate | 79.30 | |
| 01 22 23 00-0260 | WK | 1-1/4" x 8' x 10' Steel Plate | 178.04 | |
| 01 22 23 00-0261 | MO | 1-1/4" x 8' x 10' Steel Plate | 474.28 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-18.97* | |
| 01 22 23 00-0262 | DAY | 1-1/2" x 8' x 15' Steel Plate | 183.53 | |
| 01 22 23 00-0263 | WK | 1-1/2" x 8' x 15' Steel Plate | 412.94 | |
| 01 22 23 00-0264 | MO | 1-1/2" x 8' x 15' Steel Plate | 1,101.17 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-44.05* | |
| 01 22 23 00-0265 | LF | Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate | 2.72 | 1.21 |
| 01 22 23 00-0266 | EA | Removal And Resetting Of Steel Roadway Plate | 33.72 | |

## 01 22 23 00-0267 Street Sweepers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0268 | DAY | 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator | 1,177.38 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-552.77* | |
| 01 22 23 00-0269 | WK | 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator | 5,688.19 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-0270 | MO | 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator | 24,063.92 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-108.18* | |
| 01 22 23 00-0271 | DAY | Self-Propelled Street Sweeper With Hopper And Full-Time Operator<br>Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. | 2,369.80 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-925.40* | |
| 01 22 23 00-0272 | WK | Self-Propelled Street Sweeper With Hopper And Full-Time Operator<br>Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. | 10,472.68 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0273 | MO | Self-Propelled Street Sweeper With Hopper And Full-Time Operator<br>Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. | 41,143.13 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-791.34* | |

## 01 22 23 00-0274 Earthmoving Equipment *(01 22 23)*

## 01 22 23 00-0275 Skid-Steer Loaders *(01 22 23 00-0274)*

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0276 | DAY | 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator | 1,435.14 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-633.32* | |
| 01 22 23 00-0277 | WK | 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator | 6,107.88 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-0278 | MO | 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator | 24,198.32 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-113.55* | |
| 01 22 23 00-0279 | DAY | 1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator | 1,553.58 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-670.34* | |
| 01 22 23 00-0280 | WK | 1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator | 6,322.20 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-0281 | MO | 1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator | 24,668.32 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-132.35* | |
| 01 22 23 00-0282 | DAY | 2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator | 1,587.42 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-680.91* | |
| 01 22 23 00-0283 | WK | 2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator | 6,630.52 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-0284 | MO | 2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator | 25,486.12 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-165.06* | |
| 01 22 23 00-0285 | DAY | 2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator | 1,719.02 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-722.04* | |
| 01 22 23 00-0286 | WK | 2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator | 7,062.92 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-0287 | MO | 2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator | 26,914.92 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-222.22* | |
| 01 22 23 00-0288 | DAY | 3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator | 1,944.62 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-792.54* | |
| 01 22 23 00-0289 | WK | 3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator | 7,918.32 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-0290 | MO | 3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator | 29,020.52 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-306.44* | |
| 01 22 23 00-0291 | DAY | Hydraulic Hammer Attachment For Skid-Steer Loaders | 376.00 | |
| | | *For Half Day Usage, Deduct* | *-117.50* | |
| 01 22 23 00-0292 | WK | Hydraulic Hammer Attachment For Skid-Steer Loaders | 1,250.20 | |
| 01 22 23 00-0293 | MO | Hydraulic Hammer Attachment For Skid-Steer Loaders | 3,327.60 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-133.10* | |
| 01 22 23 00-0294 | DAY | Forklift Attachment For Skid-Steer Loaders | 80.84 | |
| | | *For Half Day Usage, Deduct* | *-25.26* | |
| 01 22 23 00-0295 | WK | Forklift Attachment For Skid-Steer Loaders | 216.20 | |
| 01 22 23 00-0296 | MO | Forklift Attachment For Skid-Steer Loaders | 611.00 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-24.44* | |
| 01 22 23 00-0297 | DAY | Backhoe Attachment For Skid-Steer Loaders | 178.60 | |
| | | *For Half Day Usage, Deduct* | *-55.81* | |
| 01 22 23 00-0298 | WK | Backhoe Attachment For Skid-Steer Loaders | 428.64 | |
| 01 22 23 00-0299 | MO | Backhoe Attachment For Skid-Steer Loaders | 1,065.96 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-42.64* | |
| 01 22 23 00-0300 | DAY | Broom Attachment For Skid-Steer Loaders | 176.72 | |
| | | *For Half Day Usage, Deduct* | *-55.23* | |
| 01 22 23 00-0301 | WK | Broom Attachment For Skid-Steer Loaders | 479.40 | |
| 01 22 23 00-0302 | MO | Broom Attachment For Skid-Steer Loaders | 1,269.00 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-50.76* | |
| 01 22 23 00-0303 | DAY | Concrete Pump Attachment For Skid-Steer Loaders | 376.00 | |
| | | *For Half Day Usage, Deduct* | *-117.50* | |
| 01 22 23 00-0304 | WK | Concrete Pump Attachment For Skid-Steer Loaders | 1,250.20 | |
| 01 22 23 00-0305 | MO | Concrete Pump Attachment For Skid-Steer Loaders | 3,327.60 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-133.10* | |
| 01 22 23 00-0306 | DAY | Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders | 154.16 | |
| | | *For Half Day Usage, Deduct* | *-48.18* | |
| 01 22 23 00-0307 | WK | Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders | 424.88 | |
| 01 22 23 00-0308 | MO | Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders | 1,159.96 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-46.40* | |
| 01 22 23 00-0309 | DAY | Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) | 42.49 | |
| | | *For Half Day Usage, Deduct* | *-13.28* | |
| 01 22 23 00-0310 | WK | Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) | 111.16 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0311 | MO | Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) | 326.95 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-13.08* | |
| 01 22 23 00-0312 | DAY | >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) | 57.21 | |
| | | *For Half Day Usage, Deduct* | *-17.88* | |
| 01 22 23 00-0313 | WK | >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) | 142.22 | |
| 01 22 23 00-0314 | MO | >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) | 425.05 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-17.00* | |
| 01 22 23 00-0315 | DAY | Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) | 83.36 | |
| | | *For Half Day Usage, Deduct* | *-26.05* | |
| 01 22 23 00-0316 | WK | Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) | 253.41 | |
| 01 22 23 00-0317 | MO | Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) | 752.00 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-30.08* | |
| 01 22 23 00-0318 | DAY | 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger) | 16.92 | |
| | | *For Half Day Usage, Deduct* | *-5.29* | |
| 01 22 23 00-0319 | WK | 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger) | 39.48 | |
| 01 22 23 00-0320 | MO | 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger) | 105.28 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-4.21* | |

## 01 22 23 00-0321 Bulldozers *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0322 | DAY | 70 HP, D3 Bulldozer With Full-Time Operator | 1,438.45 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-635.08* | |
| 01 22 23 00-0323 | WK | 70 HP, D3 Bulldozer With Full-Time Operator | 6,718.08 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0324 | MO | 70 HP, D3 Bulldozer With Full-Time Operator | 26,692.78 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-209.99* | |
| 01 22 23 00-0325 | DAY | 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator | 1,650.13 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-701.23* | |
| 01 22 23 00-0326 | WK | 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator | 7,573.29 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0327 | MO | 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator | 29,317.71 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-314.99* | |
| 01 22 23 00-0328 | DAY | 140 HP, D6 Bulldozer With Full-Time Operator | 2,251.33 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-889.10* | |
| 01 22 23 00-0329 | WK | 140 HP, D6 Bulldozer With Full-Time Operator | 9,978.07 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0330 | MO | 140 HP, D6 Bulldozer With Full-Time Operator | 36,515.08 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-602.89* | |
| 01 22 23 00-0331 | DAY | 200 HP, D7 Bulldozer With Full-Time Operator | 2,784.78 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-1,055.81* | |
| 01 22 23 00-0332 | WK | 200 HP, D7 Bulldozer With Full-Time Operator | 12,120.34 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0333 | MO | 200 HP, D7 Bulldozer With Full-Time Operator | 42,950.38 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-860.30* | |
| 01 22 23 00-0334 | DAY | 335 HP, D8 Bulldozer With Full-Time Operator | 3,419.84 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-1,254.26* | |
| 01 22 23 00-0335 | WK | 335 HP, D8 Bulldozer With Full-Time Operator | 14,660.59 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0336 | MO | 335 HP, D8 Bulldozer With Full-Time Operator | 50,571.13 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,165.13* | |
| 01 22 23 00-0337 | DAY | 460 HP, D9 Bulldozer With Full-Time Operator | 3,775.48 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-1,365.40* | |
| 01 22 23 00-0338 | WK | 460 HP, D9 Bulldozer With Full-Time Operator | 16,074.67 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0339 | MO | 460 HP, D9 Bulldozer With Full-Time Operator | 54,804.88 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,334.48* | |

## 01 22 23 00-0340 Motor Scraper *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0341 | DAY | 11 CY Motor Scraper-Hauler With Full-Time Operator | 2,332.14 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-914.36* | |
| 01 22 23 00-0342 | WK | 11 CY Motor Scraper-Hauler With Full-Time Operator | 10,318.25 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0343 | MO | 11 CY Motor Scraper-Hauler With Full-Time Operator | 37,534.18 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-643.65* | |
| 01 22 23 00-0344 | DAY | 18 CY Motor Scraper-Hauler With Full-Time Operator | 2,874.65 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-1,083.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0345 | WK | 18 CY Motor Scraper-Hauler With Full-Time Operator | 12,488.27 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0346 | MO | 18 CY Motor Scraper-Hauler With Full-Time Operator | 44,062.63 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-904.79* | |
| 01 22 23 00-0347 | DAY | 24 CY Motor Scraper-Hauler With Full-Time Operator | 3,398.76 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-1,247.68* | |
| 01 22 23 00-0348 | WK | 24 CY Motor Scraper-Hauler With Full-Time Operator | 14,575.53 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0349 | MO | 24 CY Motor Scraper-Hauler With Full-Time Operator | 50,315.23 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,154.89* | |

## 01 22 23 00-0350 Hydraulic Excavators *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0351 | DAY | 3/8 CY Hydraulic Excavator With Full-Time Operator | 1,353.49 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-608.53* | |
| 01 22 23 00-0352 | WK | 3/8 CY Hydraulic Excavator With Full-Time Operator | 6,235.23 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0353 | MO | 3/8 CY Hydraulic Excavator With Full-Time Operator | 25,754.93 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-172.48* | |
| 01 22 23 00-0354 | DAY | 1/2 CY Hydraulic Excavator With Full-Time Operator | 1,455.91 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-640.54* | |
| 01 22 23 00-0355 | WK | 1/2 CY Hydraulic Excavator With Full-Time Operator | 6,686.65 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0356 | MO | 1/2 CY Hydraulic Excavator With Full-Time Operator | 27,560.58 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-244.71* | |
| 01 22 23 00-0357 | DAY | 5/8 CY Hydraulic Excavator With Full-Time Operator | 1,488.25 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-650.64* | |
| 01 22 23 00-0358 | WK | 5/8 CY Hydraulic Excavator With Full-Time Operator | 6,855.08 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0359 | MO | 5/8 CY Hydraulic Excavator With Full-Time Operator | 27,857.03 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-256.56* | |
| 01 22 23 00-0360 | DAY | 3/4 CY Hydraulic Excavator With Full-Time Operator | 1,521.93 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-661.17* | |
| 01 22 23 00-0361 | WK | 3/4 CY Hydraulic Excavator With Full-Time Operator | 7,010.05 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0362 | MO | 3/4 CY Hydraulic Excavator With Full-Time Operator | 28,153.48 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-268.42* | |
| 01 22 23 00-0363 | DAY | 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator | 1,548.88 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-669.59* | |
| 01 22 23 00-0364 | WK | 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator | 7,171.75 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0365 | MO | 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator | 28,449.93 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-280.28* | |
| 01 22 23 00-0366 | DAY | 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator | 1,912.71 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-783.29* | |
| 01 22 23 00-0367 | WK | 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator | 8,620.31 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0368 | MO | 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator | 32,458.74 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-440.63* | |
| 01 22 23 00-0369 | DAY | 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator | 1,966.61 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-800.13* | |
| 01 22 23 00-0370 | WK | 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator | 8,856.12 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0371 | MO | 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator | 33,166.18 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-468.93* | |
| 01 22 23 00-0372 | DAY | 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator | 2,067.67 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-831.71* | |
| 01 22 23 00-0373 | WK | 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator | 9,260.37 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0374 | MO | 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator | 34,378.93 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-517.44* | |
| 01 22 23 00-0375 | DAY | 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator | 2,182.21 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-867.50* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0376 | WK | 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator | 9,711.78 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0377 | MO | 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator | 35,726.43 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-571.34* | |
| 01 22 23 00-0378 | DAY | 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator | 2,215.89 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-878.03* | |
| 01 22 23 00-0379 | WK | 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator | 9,846.53 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0380 | MO | 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator | 36,130.68 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-587.51* | |
| 01 22 23 00-0381 | DAY | 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator | 2,539.29 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-979.09* | |
| 01 22 23 00-0382 | WK | 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator | 11,146.87 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0383 | MO | 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator | 40,038.43 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-743.82* | |
| 01 22 23 00-0384 | DAY | 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator | 3,004.18 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-1,124.37* | |
| 01 22 23 00-0385 | WK | 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator | 12,992.95 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0386 | MO | 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator | 45,563.18 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-964.81* | |
| 01 22 23 00-0387 | DAY | 6 To 11 CY Hydraulic Excavator With Full-Time Operator | 3,576.87 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-1,303.34* | |
| 01 22 23 00-0388 | WK | 6 To 11 CY Hydraulic Excavator With Full-Time Operator | 15,283.69 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0389 | MO | 6 To 11 CY Hydraulic Excavator With Full-Time Operator | 52,435.43 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,239.70* | |
| 01 22 23 00-0390 | DAY | Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator | 2,094.62 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-840.13* | |
| 01 22 23 00-0391 | WK | Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator | 9,354.69 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0392 | MO | Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator | 34,648.43 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-528.22* | |
| 01 22 23 00-0393 | DAY | Thumbs Or Grapple Attachment For Hydraulic Excavators | 94.32 | |
| | | *For Half Day Usage, Deduct* | *-29.48* | |
| 01 22 23 00-0394 | WK | Thumbs Or Grapple Attachment For Hydraulic Excavators | 363.82 | |
| 01 22 23 00-0395 | MO | Thumbs Or Grapple Attachment For Hydraulic Excavators | 1,078.00 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-43.12* | |
| 01 22 23 00-0396 | DAY | 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators | 417.72 | |
| | | *For Half Day Usage, Deduct* | *-130.54* | |
| 01 22 23 00-0397 | WK | 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators | 1,104.95 | |
| 01 22 23 00-0398 | MO | 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators | 3,092.51 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-123.70* | |
| 01 22 23 00-0399 | DAY | 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators | 646.80 | |
| | | *For Half Day Usage, Deduct* | *-202.13* | |
| 01 22 23 00-0400 | WK | 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators | 1,650.69 | |
| 01 22 23 00-0401 | MO | 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators | 4,291.79 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-171.67* | |
| 01 22 23 00-0402 | DAY | 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators | 902.82 | |
| | | *For Half Day Usage, Deduct* | *-282.13* | |
| 01 22 23 00-0403 | WK | 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators | 2,432.24 | |
| 01 22 23 00-0404 | MO | 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators | 6,818.35 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-272.73* | |
| 01 22 23 00-0405 | DAY | 24" Compaction Wheel Attachment For Hydraulic Excavators | 188.65 | |
| | | *For Half Day Usage, Deduct* | *-58.95* | |
| 01 22 23 00-0406 | WK | 24" Compaction Wheel Attachment For Hydraulic Excavators | 754.60 | |
| 01 22 23 00-0407 | MO | 24" Compaction Wheel Attachment For Hydraulic Excavators | 2,263.80 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-90.55* | |
| 01 22 23 00-0408 | DAY | 36" Compaction Wheel Attachment For Hydraulic Excavators | 269.50 | |
| | | *For Half Day Usage, Deduct* | *-84.22* | |
| 01 22 23 00-0409 | WK | 36" Compaction Wheel Attachment For Hydraulic Excavators | 1,078.00 | |
| 01 22 23 00-0410 | MO | 36" Compaction Wheel Attachment For Hydraulic Excavators | 3,234.00 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-129.36* | |
| 01 22 23 00-0411 | DAY | 48" Compaction Wheel Attachment For Hydraulic Excavators | 296.45 | |
| | | *For Half Day Usage, Deduct* | *-92.64* | |
| 01 22 23 00-0412 | WK | 48" Compaction Wheel Attachment For Hydraulic Excavators | 1,172.32 | |
| 01 22 23 00-0413 | MO | 48" Compaction Wheel Attachment For Hydraulic Excavators | 3,503.50 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-140.14* | |

01 22 23 00-0414 Mini-Excavators *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0415 | DAY | 2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator | 1,272.65 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-583.27* | |
| 01 22 23 00-0416 | WK | 2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator | 5,750.13 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0417 | MO | 2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator | 23,208.15 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-70.61* | |
| 01 22 23 00-0418 | DAY | 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator | 1,279.38 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-585.37* | |
| 01 22 23 00-0419 | WK | 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator | 5,770.35 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0420 | MO | 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator | 23,632.62 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-87.59* | |
| 01 22 23 00-0421 | DAY | 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator | 1,313.07 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-595.90* | |
| 01 22 23 00-0422 | WK | 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator | 5,864.67 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0423 | MO | 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator | 23,693.25 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-90.01* | |
| 01 22 23 00-0424 | DAY | 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator | 1,326.55 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-600.11* | |
| 01 22 23 00-0425 | WK | 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator | 5,911.83 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0426 | MO | 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator | 23,720.21 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-91.09* | |
| 01 22 23 00-0427 | DAY | 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator | 1,407.39 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-625.37* | |
| 01 22 23 00-0428 | WK | 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator | 5,979.21 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0429 | MO | 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator | 24,501.75 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-122.35* | |
| 01 22 23 00-0430 | DAY | 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator | 1,414.13 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-627.48* | |
| 01 22 23 00-0431 | WK | 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator | 6,316.08 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0432 | MO | 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator | 24,535.44 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-123.70* | |

## 01 22 23 00-0433 Telescopic Hydraulic Excavators (Gradall) *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0434 | DAY | Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator | 4,479.08 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Track Gradall, Add* | *418.73* | |
| | | *For Half Day Usage, Deduct* | *-1,585.28* | |
| 01 22 23 00-0435 | WK | Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator | 13,149.59 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| | | *For Track Gradall, Add* | *984.15* | |
| 01 22 23 00-0436 | MO | Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator | 50,714.26 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For Track Gradall, Add* | *3,512.56* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,170.85* | |

## 01 22 23 00-0437 Road Graders *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0438 | DAY | 50 To 60 HP Road Grader With Full-Time Operator | 2,368.92 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-925.85* | |
| 01 22 23 00-0439 | WK | 50 To 60 HP Road Grader With Full-Time Operator | 8,534.42 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0440 | MO | 50 To 60 HP Road Grader With Full-Time Operator | 31,097.68 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-386.19* | |
| 01 22 23 00-0441 | DAY | 80 To 100 HP Road Grader With Full-Time Operator | 3,049.35 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-1,138.49* | |
| 01 22 23 00-0442 | WK | 80 To 100 HP Road Grader With Full-Time Operator | 10,042.40 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0443 | MO | 80 To 100 HP Road Grader With Full-Time Operator | 35,695.18 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-570.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0444 | DAY | 130 To 140 HP Road Grader With Full-Time Operator | 3,556.60 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-1,297.00* | |
| 01 22 23 00-0445 | WK | 130 To 140 HP Road Grader With Full-Time Operator | 11,544.86 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0446 | MO | 130 To 140 HP Road Grader With Full-Time Operator | 41,235.17 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-791.69* | |
| 01 22 23 00-0447 | DAY | 170 To 185 HP Road Grader With Full-Time Operator | 4,327.45 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-1,537.89* | |
| 01 22 23 00-0448 | WK | 170 To 185 HP Road Grader With Full-Time Operator | 18,299.51 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0449 | MO | 170 To 185 HP Road Grader With Full-Time Operator | 68,171.88 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.89* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,869.16* | |

## 01 22 23 00-0450 Loader-Backhoes With Standard Bucket *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0451 | DAY | 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator | 1,400.37 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-623.18* | |
| 01 22 23 00-0452 | WK | 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator | 5,923.79 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0453 | MO | 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator | 23,738.47 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-91.82* | |
| 01 22 23 00-0454 | DAY | 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator | 1,444.38 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-636.93* | |
| 01 22 23 00-0455 | WK | 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator | 6,077.81 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0456 | MO | 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator | 24,677.22 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-129.37* | |
| 01 22 23 00-0457 | DAY | 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator | 1,512.22 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-658.13* | |
| 01 22 23 00-0458 | WK | 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator | 6,246.49 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0459 | MO | 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator | 25,161.27 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-148.73* | |
| 01 22 23 00-0460 | DAY | 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator | 1,814.75 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-752.67* | |
| 01 22 23 00-0461 | WK | 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator | 7,148.57 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0462 | MO | 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator | 27,742.84 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-252.00* | |

## 01 22 23 00-0463 Heavy-Duty Construction Loaders *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0464 | DAY | 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator | 1,543.31 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-667.85* | |
| 01 22 23 00-0465 | WK | 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator | 7,137.37 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0466 | MO | 2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator | 28,001.41 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-262.34* | |
| 01 22 23 00-0467 | DAY | 3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator | 2,003.25 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-811.58* | |
| 01 22 23 00-0468 | WK | 3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator | 7,639.90 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0469 | MO | 3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator | 28,256.93 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-272.56* | |
| 01 22 23 00-0470 | DAY | 3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator | 2,105.46 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-843.52* | |
| 01 22 23 00-0471 | WK | 3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator | 7,912.46 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0472 | MO | 3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator | 28,938.33 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-299.82* | |
| 01 22 23 00-0473 | DAY | 4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator | 2,386.54 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-931.36* | |
| 01 22 23 00-0474 | WK | 4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator | 8,653.48 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0475 | MO | 4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator | 30,812.18 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-374.77* | |
| 01 22 23 00-0476 | DAY | 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator | 3,110.53 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-1,157.60* | |
| 01 22 23 00-0477 | WK | 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator | 13,414.77 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0478 | MO | 7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator | 46,825.08 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,015.29* | |
| 01 22 23 00-0479 | DAY | 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator | 7,880.24 | |
| | | *For Equipment Without Operator, Deduct* | *-989.67* | |
| | | *For Half Day Usage, Deduct* | *-2,648.14* | |
| 01 22 23 00-0480 | WK | 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator | 27,323.60 | |
| | | *For Equipment Without Operator, Deduct* | *-4,948.37* | |
| 01 22 23 00-0481 | MO | 13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator | 82,421.50 | |
| | | *For Equipment Without Operator, Deduct* | *-21,442.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2,439.14* | |

## 01 22 23 00-0482 Shoring *(01 22 23 00-0274)*

Note: Includes delivery to job site and pick-up when complete.

## 01 22 23 00-0483 Aluminum Hydraulic Shoring *(01 22 23 00-0482)*

Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0484 | WK | 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring<br>Note: Up to 88" spread width. | 120.17 | |
| 01 22 23 00-0485 | MO | 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring<br>Note: Up to 88" spread width. | 354.47 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-14.18* | |
| 01 22 23 00-0486 | WK | Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring<br>Note: Up to 88" spread width. | 161.21 | |
| 01 22 23 00-0487 | MO | Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring<br>Note: Up to 88" spread width. | 475.50 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-19.02* | |
| 01 22 23 00-0488 | WK | Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring<br>Note: Up to 88" spread width. | 298.93 | |
| 01 22 23 00-0489 | MO | Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring<br>Note: Up to 88" spread width. | 881.84 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-35.27* | |
| 01 22 23 00-0490 | EA | Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores | 31.13 | |
| 01 22 23 00-0491 | EA | Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores | 49.81 | |
| 01 22 23 00-0492 | EA | Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores | 83.00 | |

## 01 22 23 00-0493 Tractors *(01 22 23 00-0274)*

Note: Excludes operator, delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0494 | DAY | 20 To 29 HP Tractor | 562.01 | |
| | | *For Half Day Usage, Deduct* | *-175.63* | |
| 01 22 23 00-0495 | WK | 20 To 29 HP Tractor | 1,352.99 | |
| 01 22 23 00-0496 | MO | 20 To 29 HP Tractor | 3,653.07 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-146.12* | |
| 01 22 23 00-0497 | DAY | 30 To 35 HP Tractor | 582.33 | |
| | | *For Half Day Usage, Deduct* | *-181.98* | |
| 01 22 23 00-0498 | WK | 30 To 35 HP Tractor | 1,499.19 | |
| 01 22 23 00-0499 | MO | 30 To 35 HP Tractor | 4,150.65 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-166.03* | |
| 01 22 23 00-0500 | DAY | 40 To 45 HP Tractor | 594.72 | |
| | | *For Half Day Usage, Deduct* | *-185.85* | |
| 01 22 23 00-0501 | WK | 40 To 45 HP Tractor | 1,598.31 | |
| 01 22 23 00-0502 | MO | 40 To 45 HP Tractor | 4,386.06 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-175.44* | |
| 01 22 23 00-0503 | DAY | 80 To 89 HP Tractor | 765.70 | |
| | | *For Half Day Usage, Deduct* | *-239.28* | |
| 01 22 23 00-0504 | WK | 80 To 89 HP Tractor | 2,171.47 | |
| 01 22 23 00-0505 | MO | 80 To 89 HP Tractor | 6,217.55 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-248.70* | |
| 01 22 23 00-0506 | DAY | 60" Rotary Mower Attachment For Tractors | 240.37 | |
| | | *For Half Day Usage, Deduct* | *-75.12* | |
| 01 22 23 00-0507 | WK | 60" Rotary Mower Attachment For Tractors | 743.40 | |
| 01 22 23 00-0508 | DAY | 84" Rotary Mower Attachment For Tractors | 262.67 | |
| | | *For Half Day Usage, Deduct* | *-82.08* | |
| 01 22 23 00-0509 | WK | 84" Rotary Mower Attachment For Tractors | 805.35 | |
| 01 22 23 00-0510 | DAY | Under Deck Rotary Mower Attachment For Tractors | 41.39 | |
| | | *For Half Day Usage, Deduct* | *-12.93* | |
| 01 22 23 00-0511 | WK | Under Deck Rotary Mower Attachment For Tractors | 165.55 | |

## 01 22 23 00-0512 Trench Boxes/Trench Shields *(01 22 23 00-0274)*

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0513 | WK | 4' x 6' Trench Box With Up To 48" Spreaders | 260.32 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0514 | MO | 4' x 6' Trench Box With Up To 48" Spreaders | 780.97 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-31.24* | |
| 01 22 23 00-0515 | WK | 6' x 6' Trench Box With Up To 48" Spreaders | 293.91 | |
| 01 22 23 00-0516 | MO | 6' x 6' Trench Box With Up To 48" Spreaders | 881.74 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-35.27* | |
| 01 22 23 00-0517 | WK | 8' x 6' Trench Box With Up To 48" Spreaders | 310.71 | |
| 01 22 23 00-0518 | MO | 8' x 6' Trench Box With Up To 48" Spreaders | 932.12 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-37.28* | |
| 01 22 23 00-0519 | WK | 4' x 8' Trench Box With Up To 48" Spreaders | 285.52 | |
| 01 22 23 00-0520 | MO | 4' x 8' Trench Box With Up To 48" Spreaders | 856.54 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-34.26* | |
| 01 22 23 00-0521 | WK | 6' x 8' Trench Box With Up To 48" Spreaders | 335.90 | |
| 01 22 23 00-0522 | MO | 6' x 8' Trench Box With Up To 48" Spreaders | 1,007.70 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-40.31* | |
| 01 22 23 00-0523 | WK | 8' x 8' Trench Box With Up To 48" Spreaders | 377.89 | |
| 01 22 23 00-0524 | MO | 8' x 8' Trench Box With Up To 48" Spreaders | 1,133.66 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-45.35* | |
| 01 22 23 00-0525 | WK | 4' x 10' Trench Box With Up To 48" Spreaders | 319.10 | |
| 01 22 23 00-0526 | MO | 4' x 10' Trench Box With Up To 48" Spreaders | 957.32 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-38.29* | |
| 01 22 23 00-0527 | WK | 6' x 10' Trench Box With Up To 48" Spreaders | 377.89 | |
| 01 22 23 00-0528 | MO | 6' x 10' Trench Box With Up To 48" Spreaders | 1,133.66 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-45.35* | |
| 01 22 23 00-0529 | WK | 8' x 10' Trench Box With Up To 48" Spreaders | 461.86 | |
| 01 22 23 00-0530 | MO | 8' x 10' Trench Box With Up To 48" Spreaders | 1,377.19 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-55.09* | |
| 01 22 23 00-0531 | WK | 4' x 12' Trench Box With Up To 48" Spreaders | 377.89 | |
| 01 22 23 00-0532 | MO | 4' x 12' Trench Box With Up To 48" Spreaders | 1,133.66 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-45.35* | |
| 01 22 23 00-0533 | WK | 6' x 12' Trench Box With Up To 48" Spreaders | 461.86 | |
| 01 22 23 00-0534 | MO | 6' x 12' Trench Box With Up To 48" Spreaders | 1,385.59 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-55.42* | |
| 01 22 23 00-0535 | WK | 8' x 12' Trench Box With Up To 48" Spreaders | 587.82 | |
| 01 22 23 00-0536 | MO | 8' x 12' Trench Box With Up To 48" Spreaders | 1,763.48 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-70.54* | |
| 01 22 23 00-0537 | WK | 4' x 14' Trench Box With Up To 48" Spreaders | 419.88 | |
| 01 22 23 00-0538 | MO | 4' x 14' Trench Box With Up To 48" Spreaders | 1,259.62 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-50.38* | |
| 01 22 23 00-0539 | WK | 6' x 14' Trench Box With Up To 48" Spreaders | 545.84 | |
| 01 22 23 00-0540 | MO | 6' x 14' Trench Box With Up To 48" Spreaders | 1,637.51 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-65.50* | |
| 01 22 23 00-0541 | WK | 8' x 14' Trench Box With Up To 48" Spreaders | 671.80 | |
| 01 22 23 00-0542 | MO | 8' x 14' Trench Box With Up To 48" Spreaders | 2,015.40 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-80.62* | |
| 01 22 23 00-0543 | WK | 4' x 16' Trench Box With Up To 48" Spreaders | 461.86 | |
| 01 22 23 00-0544 | MO | 4' x 16' Trench Box With Up To 48" Spreaders | 1,385.59 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-55.42* | |
| 01 22 23 00-0545 | WK | 6' x 16' Trench Box With Up To 48" Spreaders | 629.81 | |
| 01 22 23 00-0546 | MO | 6' x 16' Trench Box With Up To 48" Spreaders | 1,889.44 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-75.58* | |
| 01 22 23 00-0547 | WK | 8' x 16' Trench Box With Up To 48" Spreaders | 755.78 | |
| 01 22 23 00-0548 | MO | 8' x 16' Trench Box With Up To 48" Spreaders | 2,267.32 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-90.69* | |
| 01 22 23 00-0549 | WK | 4' x 20' Trench Box With Up To 48" Spreaders | 545.84 | |
| 01 22 23 00-0550 | MO | 4' x 20' Trench Box With Up To 48" Spreaders | 1,637.51 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-65.50* | |
| 01 22 23 00-0551 | WK | 6' x 20' Trench Box With Up To 48" Spreaders | 755.78 | |
| 01 22 23 00-0552 | MO | 6' x 20' Trench Box With Up To 48" Spreaders | 2,267.32 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-90.69* | |
| 01 22 23 00-0553 | WK | 8' x 20' Trench Box With Up To 48" Spreaders | 881.74 | |
| 01 22 23 00-0554 | MO | 8' x 20' Trench Box With Up To 48" Spreaders | 2,645.21 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-105.81* | |
| 01 22 23 00-0555 | WK | 4' x 24' Trench Box With Up To 48" Spreaders | 755.78 | |
| 01 22 23 00-0556 | MO | 4' x 24' Trench Box With Up To 48" Spreaders | 2,267.32 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-90.69* | |
| 01 22 23 00-0557 | WK | 6' x 24' Trench Box With Up To 48" Spreaders | 923.72 | |
| 01 22 23 00-0558 | MO | 6' x 24' Trench Box With Up To 48" Spreaders | 2,771.18 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-110.85* | |
| 01 22 23 00-0559 | WK | 8' x 24' Trench Box With Up To 48" Spreaders | 1,007.70 | |
| 01 22 23 00-0560 | MO | 8' x 24' Trench Box With Up To 48" Spreaders | 3,023.10 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-120.92* | |
| 01 22 23 00-0561 | WK | For Spreaders >48" To 84", Add | 25.19 | |
| 01 22 23 00-0562 | MO | For Spreaders >48" To 84", Add | 75.58 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-3.02* | |
| 01 22 23 00-0563 | WK | For Spreaders >84" To 120", Add | 151.16 | |
| 01 22 23 00-0564 | MO | For Spreaders >84" To 120", Add | 453.46 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-18.14* | |
| 01 22 23 00-0565 | WK | For Spreaders >120", Add | 319.10 | |
| 01 22 23 00-0566 | MO | For Spreaders >120", Add | 957.32 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-38.29* | |
| 01 22 23 00-0567 | WK | 8' x 4' Manhole Box | 396.78 | |
| 01 22 23 00-0568 | MO | 8' x 4' Manhole Box | 1,190.35 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-47.61* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0569 | WK | 8' x 8' Manhole Box | 566.83 | |
| 01 22 23 00-0570 | MO | 8' x 8' Manhole Box | 1,700.49 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-68.02* | |

## 01 22 23 00-0571 Trenchers *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0572 | DAY | 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator | 1,382.30 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-616.81* | |
| 01 22 23 00-0573 | WK | 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator | 6,279.63 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-0574 | MO | 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator | 25,076.52 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-148.68* | |
| 01 22 23 00-0575 | DAY | 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator | 2,051.36 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-825.89* | |
| 01 22 23 00-0576 | WK | 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator | 8,534.61 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-0577 | MO | 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator | 31,271.52 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-396.48* | |

## 01 22 23 00-0578 Truck Mounted Vacuum Excavator *(01 22 23 00-0274)*

Note: Includes driver, delivery, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0579 | DAY | Truck Mounted Vacuum Excavator With Full-time Operator | 8,435.63 | |
| | | *For Half Day Usage, Deduct* | *-2,821.70* | |

## 01 22 23 00-0580 Portable Sediment Tank *(01 22 23 00-0274)*

Note: Includes delivery to job site and pick-up when complete.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0581 | WK | Portable Sediment Tank | 206.94 | |
| 01 22 23 00-0582 | MO | Portable Sediment Tank | 607.02 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-24.28* | |

## 01 22 23 00-0583 Heavy Equipment (Ground Protection) Mats *(01 22 23 00-0274)*

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0274 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0584 | DAY | 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat | 24.50 | |
| | | *For Half Day Usage, Deduct* | *-7.66* | |
| 01 22 23 00-0585 | WK | 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat | 58.34 | |
| 01 22 23 00-0586 | MO | 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat | 122.51 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-4.90* | |
| 01 22 23 00-0587 | DAY | 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat | 25.73 | |
| | | *For Half Day Usage, Deduct* | *-8.04* | |
| 01 22 23 00-0588 | WK | 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat | 61.26 | |
| 01 22 23 00-0589 | MO | 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat | 128.64 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.15* | |
| 01 22 23 00-0590 | Day | 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat | 20.83 | |
| | | *For Half Day Usage, Deduct* | *-6.51* | |
| 01 22 23 00-0591 | WK | 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat | 49.00 | |
| 01 22 23 00-0592 | MO | 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat | 104.13 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-4.17* | |
| 01 22 23 00-0593 | Day | 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat | 23.28 | |
| | | *For Half Day Usage, Deduct* | *-7.28* | |
| 01 22 23 00-0594 | WK | 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat | 55.13 | |
| 01 22 23 00-0595 | MO | 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat | 116.38 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-4.66* | |
| 01 22 23 00-0596 | Day | 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat | 25.73 | |
| | | *For Half Day Usage, Deduct* | *-8.04* | |
| 01 22 23 00-0597 | WK | 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat | 61.26 | |
| 01 22 23 00-0598 | MO | 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat | 128.64 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.15* | |
| 01 22 23 00-0599 | Day | 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat | 28.18 | |
| | | *For Half Day Usage, Deduct* | *-8.81* | |
| 01 22 23 00-0600 | WK | 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat | 67.09 | |
| 01 22 23 00-0601 | MO | 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat | 140.89 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.64* | |
| 01 22 23 00-0602 | Day | 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 22.05 | |
| | | *For Half Day Usage, Deduct* | *-6.89* | |
| 01 22 23 00-0603 | WK | 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 61.26 | |
| 01 22 23 00-0604 | MO | 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 110.26 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-4.41* | |
| 01 22 23 00-0605 | Day | 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 25.73 | |
| | | *For Half Day Usage, Deduct* | *-8.04* | |
| 01 22 23 00-0606 | WK | 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 61.26 | |
| 01 22 23 00-0607 | MO | 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 128.64 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.15* | |
| 01 22 23 00-0608 | Day | 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 30.63 | |
| | | *For Half Day Usage, Deduct* | *-9.57* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0609 | WK | 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 67.38 | |
| 01 22 23 00-0610 | MO | 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 153.14 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-6.13* | |
| 01 22 23 00-0611 | Day | 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 33.08 | |
| | | *For Half Day Usage, Deduct* | *-10.34* | |
| 01 22 23 00-0612 | WK | 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 78.76 | |
| 01 22 23 00-0613 | MO | 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 165.39 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-6.62* | |
| 01 22 23 00-0614 | Day | 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 35.53 | |
| | | *For Half Day Usage, Deduct* | *-11.10* | |
| 01 22 23 00-0615 | WK | 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 84.59 | |
| 01 22 23 00-0616 | MO | 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 177.64 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-7.11* | |
| 01 22 23 00-0617 | Day | 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 36.75 | |
| | | *For Half Day Usage, Deduct* | *-11.48* | |
| 01 22 23 00-0618 | WK | 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 87.51 | |
| 01 22 23 00-0619 | MO | 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat | 183.76 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-7.35* | |
| 01 22 23 00-0620 | Day | 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™) | 11.79 | |
| | | *For Half Day Usage, Deduct* | *-3.68* | |
| 01 22 23 00-0621 | WK | 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™) | 29.46 | |
| 01 22 23 00-0622 | MO | 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™) | 88.39 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-3.54* | |
| 01 22 23 00-0623 | Day | 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 14.09 | |
| | | *For Half Day Usage, Deduct* | *-4.40* | |
| 01 22 23 00-0624 | WK | 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 35.22 | |
| 01 22 23 00-0625 | MO | 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 105.66 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-4.23* | |
| 01 22 23 00-0626 | Day | 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 16.09 | |
| | | *For Half Day Usage, Deduct* | *-5.03* | |
| 01 22 23 00-0627 | WK | 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 40.22 | |
| 01 22 23 00-0628 | MO | 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 120.67 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-4.83* | |
| 01 22 23 00-0629 | Day | 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 17.15 | |
| | | *For Half Day Usage, Deduct* | *-5.36* | |
| 01 22 23 00-0630 | WK | 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 42.88 | |
| 01 22 23 00-0631 | MO | 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 128.64 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.15* | |
| 01 22 23 00-0632 | Day | 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 19.60 | |
| | | *For Half Day Usage, Deduct* | *-6.13* | |
| 01 22 23 00-0633 | WK | 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 49.00 | |
| 01 22 23 00-0634 | MO | 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 147.01 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.88* | |
| 01 22 23 00-0635 | Day | 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 22.53 | |
| | | *For Half Day Usage, Deduct* | *-7.04* | |
| 01 22 23 00-0636 | WK | 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 56.31 | |
| 01 22 23 00-0637 | MO | 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 168.94 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-6.76* | |
| 01 22 23 00-0638 | Day | 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™) | 17.33 | |
| | | *For Half Day Usage, Deduct* | *-5.42* | |
| 01 22 23 00-0639 | WK | 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™) | 43.33 | |
| 01 22 23 00-0640 | MO | 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™) | 129.98 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.20* | |
| 01 22 23 00-0641 | Day | 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 23.46 | |
| | | *For Half Day Usage, Deduct* | *-7.33* | |
| 01 22 23 00-0642 | WK | 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 58.66 | |
| 01 22 23 00-0643 | MO | 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 175.99 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-7.04* | |
| 01 22 23 00-0644 | Day | 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 20.29 | |
| | | *For Half Day Usage, Deduct* | *-6.34* | |
| 01 22 23 00-0645 | WK | 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 50.72 | |
| 01 22 23 00-0646 | MO | 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 152.16 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-6.09* | |
| 01 22 23 00-0647 | Day | 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 33.84 | |
| | | *For Half Day Usage, Deduct* | *-10.58* | |
| 01 22 23 00-0648 | WK | 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 84.59 | |
| 01 22 23 00-0649 | MO | 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) | 253.77 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-10.15* | |
| 01 22 23 00-0650 | Day | 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™) | 36.07 | |
| | | *For Half Day Usage, Deduct* | *-11.27* | |
| 01 22 23 00-0651 | WK | 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™) | 90.17 | |
| 01 22 23 00-0652 | MO | 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™) | 270.50 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-10.82* | |

## 01 22 23 00-0653 Electrical Equipment *(01 22 23)*

## 01 22 23 00-0654 Tripod Mounted Floodlights *(01 22 23 00-0653)*

Note: Includes delivery to job site and pick-up when complete.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0655 | DAY | 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod | 70.37 | |
| | | *For Half Day Usage, Deduct* | *-21.99* | |
| 01 22 23 00-0656 | WK | 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod | 166.48 | |
| 01 22 23 00-0657 | MO | 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod | 351.84 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-14.07* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0658 | DAY | 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod | 70.37 | |
| | | *For Half Day Usage, Deduct* | *-21.99* | |
| 01 22 23 00-0659 | WK | 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod | 205.96 | |
| 01 22 23 00-0660 | MO | 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod | 609.29 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-24.37* | |
| 01 22 23 00-0661 | DAY | 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod | 78.95 | |
| | | *For Half Day Usage, Deduct* | *-24.67* | |
| 01 22 23 00-0662 | WK | 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod | 214.54 | |
| 01 22 23 00-0663 | MO | 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod | 523.47 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-20.94* | |

## 01 22 23 00-0664 Trailer Mounted Floodlights *(01 22 23 00-0653)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0665 | DAY | 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower | 197.37 | |
| | | *For Half Day Usage, Deduct* | *-61.68* | |
| 01 22 23 00-0666 | WK | 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower | 437.66 | |
| 01 22 23 00-0667 | MO | 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower | 943.96 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-37.76* | |

## 01 22 23 00-0668 Generator Sets *(01 22 23 00-0653)*

## 01 22 23 00-0669 Portable, Gas Powered Generator Sets *(01 22 23 00-0668)*

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0824 for reimbursable fuel fees.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0670 | DAY | 3.6 KW Gas Powered Generator Set | 57.14 | |
| | | Note: Fuel consumption: 100% load – 0.54 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *7.14* | |
| | | *For Half Day Usage, Deduct* | *-17.86* | |
| 01 22 23 00-0671 | WK | 3.6 KW Gas Powered Generator Set | 205.96 | |
| | | Note: Fuel consumption: 100% load – 0.54 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *25.75* | |
| 01 22 23 00-0672 | MO | 3.6 KW Gas Powered Generator Set | 571.38 | |
| | | Note: Fuel consumption: 100% load – 0.54 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *71.42* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-22.86* | |
| 01 22 23 00-0673 | DAY | 5 KW Gas Powered Generator Set | 81.06 | |
| | | Note: Fuel consumption: 100% load – 0.75 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *10.13* | |
| | | *For Half Day Usage, Deduct* | *-25.33* | |
| 01 22 23 00-0674 | WK | 5 KW Gas Powered Generator Set | 259.12 | |
| | | Note: Fuel consumption: 100% load – 0.75 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *32.39* | |
| 01 22 23 00-0675 | MO | 5 KW Gas Powered Generator Set | 591.32 | |
| | | Note: Fuel consumption: 100% load – 0.75 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *73.92* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-23.65* | |
| 01 22 23 00-0676 | DAY | 6.5 KW Gas Powered Generator Set | 103.65 | |
| | | Note: Fuel consumption: 100% load – 0.975 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *12.96* | |
| | | *For Half Day Usage, Deduct* | *-32.39* | |
| 01 22 23 00-0677 | WK | 6.5 KW Gas Powered Generator Set | 279.05 | |
| | | Note: Fuel consumption: 100% load – 0.975 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *34.88* | |
| 01 22 23 00-0678 | MO | 6.5 KW Gas Powered Generator Set | 770.70 | |
| | | Note: Fuel consumption: 100% load – 0.975 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *96.34* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-30.83* | |
| 01 22 23 00-0679 | DAY | 10 KW Gas Powered Generator Set | 115.61 | |
| | | Note: Fuel consumption: 100% load – 1.35 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *14.45* | |
| | | *For Half Day Usage, Deduct* | *-36.13* | |
| 01 22 23 00-0680 | WK | 10 KW Gas Powered Generator Set | 312.27 | |
| | | Note: Fuel consumption: 100% load – 1.35 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *39.03* | |
| 01 22 23 00-0681 | MO | 10 KW Gas Powered Generator Set | 896.94 | |
| | | Note: Fuel consumption: 100% load – 1.35 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *112.12* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-35.88* | |
| 01 22 23 00-0682 | DAY | 15 KW Gas Powered Generator Set | 211.68 | |
| | | Note: Fuel consumption: 100% load – 1.70 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *26.46* | |
| | | *For Half Day Usage, Deduct* | *-66.15* | |
| 01 22 23 00-0683 | WK | 15 KW Gas Powered Generator Set | 601.34 | |
| | | Note: Fuel consumption: 100% load – 1.6 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *75.17* | |
| 01 22 23 00-0684 | MO | 15 KW Gas Powered Generator Set | 1,298.90 | |
| | | Note: Fuel consumption: 100% load – 1.6 gallons per hour | | |
| | | *For LP Or NG Gas, Add* | *162.36* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-51.96* | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0685 | | **Towable, Diesel Powered Generator Sets** *(01 22 23 00-0668)* Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0824 for reimbursable fuel fees. | | |
| 01 22 23 00-0686 | DAY | 20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour. | 237.86 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *95.14* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *190.29* | |
| 01 22 23 00-0687 | WK | 20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour. | 621.88 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *248.75* | |
| | | *For >80 Hours Usage Per Week, Add* | *497.50* | |
| 01 22 23 00-0688 | MO | 20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour. | 1,694.22 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *677.69* | |
| | | *For >320 Hours Usage Per Month, Add* | *1,355.38* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-67.77* | |
| 01 22 23 00-0689 | DAY | 30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. | 389.20 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *155.68* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *311.36* | |
| 01 22 23 00-0690 | WK | 30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. | 1,155.06 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *462.02* | |
| | | *For >80 Hours Usage Per Week, Add* | *924.05* | |
| 01 22 23 00-0691 | MO | 30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. | 2,385.45 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *954.18* | |
| | | *For >320 Hours Usage Per Month, Add* | *1,908.36* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-95.42* | |
| 01 22 23 00-0692 | DAY | 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. | 426.87 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *170.75* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *341.50* | |
| 01 22 23 00-0693 | WK | 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. | 1,192.72 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *477.09* | |
| | | *For >80 Hours Usage Per Week, Add* | *954.18* | |
| 01 22 23 00-0694 | MO | 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. | 2,636.55 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *1,054.62* | |
| | | *For >320 Hours Usage Per Month, Add* | *2,109.24* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-105.46* | |
| 01 22 23 00-0695 | DAY | 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. | 458.26 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *183.30* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *366.61* | |
| 01 22 23 00-0696 | WK | 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. | 1,255.50 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *502.20* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,004.40* | |
| 01 22 23 00-0697 | MO | 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. | 3,013.20 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *1,205.28* | |
| | | *For >320 Hours Usage Per Month, Add* | *2,410.56* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-120.53* | |
| 01 22 23 00-0698 | DAY | 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. | 502.20 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *200.88* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *401.76* | |
| 01 22 23 00-0699 | WK | 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. | 1,424.99 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *570.00* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,139.99* | |
| 01 22 23 00-0700 | MO | 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. | 3,389.85 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *1,355.94* | |
| | | *For >320 Hours Usage Per Month, Add* | *2,711.88* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-135.59* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0701 | DAY | 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. | 564.98 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *225.99* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *451.98* | |
| 01 22 23 00-0702 | WK | 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. | 1,506.60 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *602.64* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,205.28* | |
| 01 22 23 00-0703 | MO | 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. | 3,766.50 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *1,506.60* | |
| | | *For >320 Hours Usage Per Month, Add* | *3,013.20* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-150.66* | |
| 01 22 23 00-0704 | DAY | 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. | 583.81 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *233.52* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *467.05* | |
| 01 22 23 00-0705 | WK | 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. | 1,569.38 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *627.75* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,255.50* | |
| 01 22 23 00-0706 | MO | 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. | 4,268.70 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *1,707.48* | |
| | | *For >320 Hours Usage Per Month, Add* | *3,414.96* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-170.75* | |
| 01 22 23 00-0707 | DAY | 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. | 659.14 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *263.66* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *527.31* | |
| 01 22 23 00-0708 | WK | 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. | 1,820.48 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *728.19* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,456.38* | |
| 01 22 23 00-0709 | MO | 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. | 4,896.45 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *1,958.58* | |
| | | *For >320 Hours Usage Per Month, Add* | *3,917.16* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-195.86* | |
| 01 22 23 00-0710 | DAY | 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. | 690.52 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *276.21* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *552.42* | |
| 01 22 23 00-0711 | WK | 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. | 1,914.64 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *765.86* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,531.71* | |
| 01 22 23 00-0712 | MO | 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. | 5,398.65 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *2,159.46* | |
| | | *For >320 Hours Usage Per Month, Add* | *4,318.92* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-215.95* | |
| 01 22 23 00-0713 | DAY | 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. | 721.91 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *288.76* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *577.53* | |
| 01 22 23 00-0714 | WK | 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. | 2,071.58 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *828.63* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,657.26* | |
| 01 22 23 00-0715 | MO | 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. | 5,649.75 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *2,259.90* | |
| | | *For >320 Hours Usage Per Month, Add* | *4,519.80* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-225.99* | |
| 01 22 23 00-0716 | DAY | 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. | 753.30 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *301.32* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *602.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0717 | WK | 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. | 2,197.12 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *878.85* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,757.70* | |
| 01 22 23 00-0718 | MO | 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. | 5,900.85 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *2,360.34* | |
| | | *For >320 Hours Usage Per Month, Add* | *4,720.68* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-236.03* | |
| 01 22 23 00-0719 | DAY | 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. | 753.30 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *301.32* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *602.64* | |
| 01 22 23 00-0720 | WK | 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. | 2,197.12 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *878.85* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,757.70* | |
| 01 22 23 00-0721 | MO | 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. | 5,900.85 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *2,360.34* | |
| | | *For >320 Hours Usage Per Month, Add* | *4,720.68* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-236.03* | |
| 01 22 23 00-0722 | DAY | 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. | 1,035.79 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *414.32* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *828.63* | |
| 01 22 23 00-0723 | WK | 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. | 2,573.78 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *1,029.51* | |
| | | *For >80 Hours Usage Per Week, Add* | *2,059.02* | |
| 01 22 23 00-0724 | MO | 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. | 7,533.00 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *3,013.20* | |
| | | *For >320 Hours Usage Per Month, Add* | *6,026.40* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-301.32* | |
| 01 22 23 00-0725 | DAY | 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. | 1,098.56 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *439.42* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *878.85* | |
| 01 22 23 00-0726 | WK | 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. | 2,636.55 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *1,054.62* | |
| | | *For >80 Hours Usage Per Week, Add* | *2,109.24* | |
| 01 22 23 00-0727 | MO | 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. | 7,784.10 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *3,113.64* | |
| | | *For >320 Hours Usage Per Month, Add* | *6,227.28* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-311.36* | |
| 01 22 23 00-0728 | DAY | 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. | 1,161.34 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *464.54* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *929.07* | |
| 01 22 23 00-0729 | WK | 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. | 2,699.32 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *1,079.73* | |
| | | *For >80 Hours Usage Per Week, Add* | *2,159.46* | |
| 01 22 23 00-0730 | MO | 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. | 8,035.20 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *3,214.08* | |
| | | *For >320 Hours Usage Per Month, Add* | *6,428.16* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-321.41* | |
| 01 22 23 00-0731 | DAY | 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. | 1,199.00 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *479.60* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *959.20* | |
| 01 22 23 00-0732 | WK | 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. | 2,887.65 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *1,155.06* | |
| | | *For >80 Hours Usage Per Week, Add* | *2,310.12* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0733 | MO | 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. | 8,537.40 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *3,414.96* | |
| | | *For >320 Hours Usage Per Month, Add* | *6,829.92* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-341.50* | |
| 01 22 23 00-0734 | DAY | 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. | 1,255.50 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *502.20* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *1,004.40* | |
| 01 22 23 00-0735 | WK | 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. | 3,264.30 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *1,305.72* | |
| | | *For >80 Hours Usage Per Week, Add* | *2,611.44* | |
| 01 22 23 00-0736 | MO | 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. | 9,416.25 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *3,766.50* | |
| | | *For >320 Hours Usage Per Month, Add* | *7,533.00* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-376.65* | |
| 01 22 23 00-0737 | DAY | 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. | 2,097.46 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *838.98* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *1,677.97* | |
| 01 22 23 00-0738 | WK | 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. | 5,422.92 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *2,169.17* | |
| | | *For >80 Hours Usage Per Week, Add* | *4,338.34* | |
| 01 22 23 00-0739 | MO | 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. | 14,341.60 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *5,736.64* | |
| | | *For >320 Hours Usage Per Month, Add* | *11,473.28* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-573.66* | |
| 01 22 23 00-0740 | DAY | 500.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. | 2,689.05 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *1,075.62* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *2,151.24* | |
| 01 22 23 00-0741 | WK | 500.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. | 6,991.53 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *2,796.61* | |
| | | *For >80 Hours Usage Per Week, Add* | *5,593.22* | |
| 01 22 23 00-0742 | MO | 500.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. | 16,134.30 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *6,453.72* | |
| | | *For >320 Hours Usage Per Month, Add* | *12,907.44* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-645.37* | |
| 01 22 23 00-0743 | DAY | 640.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. | 3,325.46 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *1,330.18* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *2,660.37* | |
| 01 22 23 00-0744 | WK | 640.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. | 8,784.23 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *3,513.69* | |
| | | *For >80 Hours Usage Per Week, Add* | *7,027.38* | |
| 01 22 23 00-0745 | MO | 640.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. | 21,512.40 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *8,604.96* | |
| | | *For >320 Hours Usage Per Month, Add* | *17,209.92* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-860.50* | |
| 01 22 23 00-0746 | DAY | 750.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. | 3,594.36 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *1,437.74* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *2,875.49* | |
| 01 22 23 00-0747 | WK | 750.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. | 8,282.27 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *3,312.91* | |
| | | *For >80 Hours Usage Per Week, Add* | *6,625.82* | |
| 01 22 23 00-0748 | MO | 750.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. | 24,846.82 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *9,938.73* | |
| | | *For >320 Hours Usage Per Month, Add* | *19,877.46* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-993.87* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0749 | DAY | 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. | 4,078.39 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *1,631.36* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *3,262.71* | |
| 01 22 23 00-0750 | WK | 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. | 10,657.60 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *4,263.04* | |
| | | *For >80 Hours Usage Per Week, Add* | *8,526.08* | |
| 01 22 23 00-0751 | MO | 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. | 29,194.12 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *11,677.65* | |
| | | *For >320 Hours Usage Per Month, Add* | *23,355.30* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,167.76* | |
| 01 22 23 00-0752 | DAY | 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour. | 5,378.10 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *2,151.24* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *4,302.48* | |
| 01 22 23 00-0753 | WK | 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour. | 16,134.30 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *6,453.72* | |
| | | *For >80 Hours Usage Per Week, Add* | *12,907.44* | |
| 01 22 23 00-0754 | MO | 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour. | 46,260.62 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *18,504.25* | |
| | | *For >320 Hours Usage Per Month, Add* | *37,008.50* | |
| 01 22 23 00-0755 | DAY | 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour. | 7,090.13 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *2,836.05* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *5,672.10* | |
| 01 22 23 00-0756 | WK | 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour. | 17,729.80 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *7,091.92* | |
| | | *For >80 Hours Usage Per Week, Add* | *14,183.84* | |
| 01 22 23 00-0757 | MO | 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set<br>Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour. | 48,402.90 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *19,361.16* | |
| | | *For >320 Hours Usage Per Month, Add* | *38,722.32* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,936.12* | |
| 01 22 23 00-0758 | EA | Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up | 1,005.55 | |
| 01 22 23 00-0759 | EA | 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up | 1,634.46 | |
| 01 22 23 00-0760 | EA | 1,000 To 2,000 KW Generator Set Delivery, Set-Up, Testing And Pick-up | 2,766.71 | |

## 01 22 23 00-0761 Generator Accessories *(01 22 23 00-0668)*

Note: Includes delivery to job site and pick-up when complete.

## 01 22 23 00-0762 Step Down Transformer *(01 22 23 00-0761)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0763 | WK | 75 KVA, 480-208 Volt, Step Down Transformer | 370.37 | |
| 01 22 23 00-0764 | MO | 75 KVA, 480-208 Volt, Step Down Transformer | 1,035.79 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-41.43* | |
| 01 22 23 00-0765 | WK | 150 KVA, 480-208 Volt, Step Down Transformer | 593.85 | |
| 01 22 23 00-0766 | MO | 150 KVA, 480-208 Volt, Step Down Transformer | 1,780.30 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-71.21* | |
| 01 22 23 00-0767 | WK | 225 KVA, 480-208 Volt, Step Down Transformer | 790.96 | |
| 01 22 23 00-0768 | MO | 225 KVA, 480-208 Volt, Step Down Transformer | 2,372.90 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-94.92* | |
| 01 22 23 00-0769 | WK | 500 KVA, 480-208 Volt, Step Down Transformer | 941.62 | |
| 01 22 23 00-0770 | MO | 500 KVA, 480-208 Volt, Step Down Transformer | 2,824.88 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-113.00* | |
| 01 22 23 00-0771 | WK | 1,000 KVA, 4,160/480 Volt, Step Down Transformer | 1,406.16 | |
| 01 22 23 00-0772 | MO | 1,000 KVA, 4,160/480 Volt, Step Down Transformer | 4,199.65 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-167.99* | |
| 01 22 23 00-0773 | WK | 1,500 KVA, 4,160/480 Volt, Step Down Transformer | 2,285.01 | |
| 01 22 23 00-0774 | MO | 1,500 KVA, 4,160/480 Volt, Step Down Transformer | 6,848.75 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-273.95* | |
| 01 22 23 00-0775 | WK | 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer | 2,636.55 | |
| 01 22 23 00-0776 | MO | 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer | 7,909.65 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-316.39* | |

## 01 22 23 00-0777 Portable Panel *(01 22 23 00-0761)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0778 | WK | 100 Amperes, Portable Panel | 295.04 | |
| 01 22 23 00-0779 | MO | 100 Amperes, Portable Panel | 753.30 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-30.13* | |
| 01 22 23 00-0780 | WK | 200 Amperes, Portable Panel | 352.80 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0781 | MO | 200 Amperes, Portable Panel | 941.62 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-37.66* | |
| 01 22 23 00-0782 | WK | 400 Amperes, Portable Panel | 376.65 | |
| 01 22 23 00-0783 | MO | 400 Amperes, Portable Panel | 1,129.95 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-45.20* | |

## 01 22 23 00-0784 Portable Fusible Disconnect *(01 22 23 00-0761)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0785 | WK | 100 - 200 Amperes, Portable Fusible Disconnect | 131.83 | |
| 01 22 23 00-0786 | MO | 100 - 200 Amperes, Portable Fusible Disconnect | 395.48 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-15.82* | |
| 01 22 23 00-0787 | WK | 300 - 400 Amperes, Portable Fusible Disconnect | 263.66 | |
| 01 22 23 00-0788 | MO | 300 - 400 Amperes, Portable Fusible Disconnect | 790.96 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-31.64* | |

## 01 22 23 00-0789 Portable Transfer Switch *(01 22 23 00-0761)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0790 | WK | 100 Amperes, 480 Volt, Portable Transfer Switch | 395.48 | |
| 01 22 23 00-0791 | MO | 100 Amperes, 480 Volt, Portable Transfer Switch | 1,186.45 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-47.46* | |
| 01 22 23 00-0792 | WK | 200 Amperes, 480 Volt, Portable Transfer Switch | 527.31 | |
| 01 22 23 00-0793 | MO | 200 Amperes, 480 Volt, Portable Transfer Switch | 1,581.93 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-63.28* | |
| 01 22 23 00-0794 | WK | 400 Amperes, 480 Volt, Portable Transfer Switch | 659.14 | |
| 01 22 23 00-0795 | MO | 400 Amperes, 480 Volt, Portable Transfer Switch | 1,977.41 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-79.10* | |

## 01 22 23 00-0796 Cabling For Generator Sets *(01 22 23 00-0668)*

Note: Includes delivery to job site and pick-up when complete.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0797 | DAY | #1 Banded Cable, 50' With Camlock Ends For Generator Set | 27.62 | |
| | | *For Half Day Usage, Deduct* | *-8.63* | |
| 01 22 23 00-0798 | WK | #1 Banded Cable, 50' With Camlock Ends For Generator Set | 48.34 | |
| 01 22 23 00-0799 | MO | #1 Banded Cable, 50' With Camlock Ends For Generator Set | 145.01 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.80* | |
| 01 22 23 00-0800 | DAY | 50', 4/0 Cable With Camlock Ends For Generator Set | 13.81 | |
| | | *For Half Day Usage, Deduct* | *-4.32* | |
| 01 22 23 00-0801 | WK | 50', 4/0 Cable With Camlock Ends For Generator Set | 40.18 | |
| 01 22 23 00-0802 | MO | 50', 4/0 Cable With Camlock Ends For Generator Set | 111.74 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-4.47* | |

## 01 22 23 00-0803 Resistive Load Banks For Generator Sets *(01 22 23 00-0668)*

Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0824 for reimbursable fuel fees.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0804 | DAY | 100 KW A/C Resistive Load Bank | 371.52 | |
| 01 22 23 00-0805 | WK | 100 KW A/C Resistive Load Bank | 706.62 | |
| 01 22 23 00-0806 | MO | 100 KW A/C Resistive Load Bank | 1,930.46 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-77.22* | |
| 01 22 23 00-0807 | DAY | 650 KW A/C Resistive Load Bank | 747.62 | |
| 01 22 23 00-0808 | WK | 650 KW A/C Resistive Load Bank | 1,999.32 | |
| 01 22 23 00-0809 | MO | 650 KW A/C Resistive Load Bank | 5,097.41 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-203.90* | |

## 01 22 23 00-0810 Sub-Distribution Panels (Spider Box) For Generator Sets *(01 22 23 00-0668)*

Note: Includes delivery to job site and pick-up when complete.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0811 | DAY | 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box) | 67.80 | |
| | | *For Half Day Usage, Deduct* | *-21.19* | |
| 01 22 23 00-0812 | WK | 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box) | 175.77 | |
| 01 22 23 00-0813 | MO | 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box) | 495.92 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-19.84* | |

## 01 22 23 00-0814 Portable Distribution Panels For Generator Sets *(01 22 23 00-0668)*

Note: Includes delivery to job site and pick-up when complete.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0815 | DAY | 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel | 150.66 | |
| | | *For Half Day Usage, Deduct* | *-47.08* | |
| 01 22 23 00-0816 | WK | 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel | 408.04 | |
| 01 22 23 00-0817 | MO | 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel | 1,142.50 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-45.70* | |
| 01 22 23 00-0818 | DAY | 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel | 123.04 | |
| | | *For Half Day Usage, Deduct* | *-38.45* | |
| 01 22 23 00-0819 | WK | 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel | 320.15 | |
| 01 22 23 00-0820 | MO | 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel | 910.24 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-36.41* | |
| 01 22 23 00-0821 | DAY | 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel | 156.94 | |
| | | *For Half Day Usage, Deduct* | *-49.04* | |
| 01 22 23 00-0822 | WK | 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel | 395.48 | |
| 01 22 23 00-0823 | MO | 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel | 1,073.45 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-42.94* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0824 | | **Fuel Reimbursement For Generators** *(01 22 23 00-0668)* | | |
| 01 22 23 00-0825 | EA | Fuel Reimbursement For Generators<br>Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase. | 1.00 | |
| 01 22 23 00-0826 | | **Welding Machines** *(01 22 23 00-0653)*<br>Note: Includes delivery to job site and pick-up when complete. Excludes operator. | | |
| 01 22 23 00-0827 | | **Diesel Powered Towable Welding Machines** *(01 22 23 00-0826)*<br>Note: Includes delivery to job site and pick-up when complete. Excludes operator. | | |
| 01 22 23 00-0828 | DAY | 250 To 299 Amperes, Diesel Powered Towable Welding Machine | 174.49 | |
| | | *For Half Day Usage, Deduct* | *-54.53* | |
| 01 22 23 00-0829 | WK | 250 To 299 Amperes, Diesel Powered Towable Welding Machine | 426.54 | |
| 01 22 23 00-0830 | MO | 250 To 299 Amperes, Diesel Powered Towable Welding Machine | 1,017.87 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-40.71* | |
| 01 22 23 00-0831 | DAY | 300 To 349 Amperes, Diesel Powered Towable Welding Machine | 232.66 | |
| | | *For Half Day Usage, Deduct* | *-72.71* | |
| 01 22 23 00-0832 | WK | 300 To 349 Amperes, Diesel Powered Towable Welding Machine | 455.62 | |
| 01 22 23 00-0833 | MO | 300 To 349 Amperes, Diesel Powered Towable Welding Machine | 1,064.40 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-42.58* | |
| 01 22 23 00-0834 | DAY | 350 To 399 Amperes, Diesel Powered Towable Welding Machine | 242.35 | |
| | | *For Half Day Usage, Deduct* | *-75.73* | |
| 01 22 23 00-0835 | WK | 350 To 399 Amperes, Diesel Powered Towable Welding Machine | 484.70 | |
| 01 22 23 00-0836 | MO | 350 To 399 Amperes, Diesel Powered Towable Welding Machine | 1,182.67 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-47.31* | |
| 01 22 23 00-0837 | | **CC/CV Inverter Welder** *(01 22 23 00-0826)*<br>Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0824 for reimbursable fuel fees. | | |
| 01 22 23 00-0838 | DAY | 250 Amperes, CC Inverter Welder | 54.29 | |
| | | *For Half Day Usage, Deduct* | *-16.97* | |
| 01 22 23 00-0839 | WK | 250 Amperes, CC Inverter Welder | 118.27 | |
| 01 22 23 00-0840 | MO | 250 Amperes, CC Inverter Welder | 358.68 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-14.35* | |
| 01 22 23 00-0841 | DAY | 300 Amperes, CC/CV Inverter Welder | 62.04 | |
| | | *For Half Day Usage, Deduct* | *-19.39* | |
| 01 22 23 00-0842 | WK | 300 Amperes, CC/CV Inverter Welder | 164.80 | |
| 01 22 23 00-0843 | MO | 300 Amperes, CC/CV Inverter Welder | 436.23 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-17.45* | |
| 01 22 23 00-0844 | DAY | 350 Amperes, CC/CV Inverter Welder | 63.98 | |
| | | *For Half Day Usage, Deduct* | *-19.99* | |
| 01 22 23 00-0845 | WK | 350 Amperes, CC/CV Inverter Welder | 168.68 | |
| 01 22 23 00-0846 | MO | 350 Amperes, CC/CV Inverter Welder | 475.01 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-19.00* | |
| 01 22 23 00-0847 | | **MIG Welder** *(01 22 23 00-0826)*<br>Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0824 for reimbursable fuel fees. | | |
| 01 22 23 00-0848 | DAY | 115 Volt MIG Welder | 93.06 | |
| | | *For Half Day Usage, Deduct* | *-29.08* | |
| 01 22 23 00-0849 | WK | 115 Volt MIG Welder | 242.35 | |
| 01 22 23 00-0850 | MO | 115 Volt MIG Welder | 659.19 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-26.37* | |
| 01 22 23 00-0851 | | **Portable Floor Drying Fans** *(01 22 23 00-0653)*<br>Note: Includes delivery to job site and pick-up when complete. Excludes operator. | | |
| 01 22 23 00-0852 | DAY | 2,250 CFM Portable Floor Drying Fan | 23.67 | |
| | | *For Half Day Usage, Deduct* | *-7.40* | |
| 01 22 23 00-0853 | WK | 2,250 CFM Portable Floor Drying Fan | 109.48 | |
| 01 22 23 00-0854 | MO | 2,250 CFM Portable Floor Drying Fan | 362.48 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-14.50* | |
| 01 22 23 00-0855 | | **General Equipment** *(01 22 23)* | | |
| 01 22 23 00-0856 | | **Jacks And Bracing** *(01 22 23 00-0855)*<br>Note: Includes delivery to job site and pick-up when complete. | | |
| 01 22 23 00-0857 | | **Manual Hydraulic Jacks** *(01 22 23 00-0856)* | | |
| 01 22 23 00-0858 | DAY | 12 Ton Manual Hydraulic Bottle Jack | 1.67 | |
| | | *For Half Day Usage, Deduct* | *-0.52* | |
| 01 22 23 00-0859 | WK | 12 Ton Manual Hydraulic Bottle Jack | 7.93 | |
| 01 22 23 00-0860 | MO | 12 Ton Manual Hydraulic Bottle Jack | 28.50 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1.14* | |
| 01 22 23 00-0861 | DAY | 20 Ton Manual Hydraulic Bottle Jack | 2.92 | |
| | | *For Half Day Usage, Deduct* | *-0.91* | |
| 01 22 23 00-0862 | WK | 20 Ton Manual Hydraulic Bottle Jack | 9.18 | |
| 01 22 23 00-0863 | MO | 20 Ton Manual Hydraulic Bottle Jack | 34.76 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1.39* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0864 | DAY | 50 Ton Manual Hydraulic Bottle Jack | 10.43 | |
| | | *For Half Day Usage, Deduct* | *-3.26* | |
| 01 22 23 00-0865 | WK | 50 Ton Manual Hydraulic Bottle Jack | 40.49 | |
| 01 22 23 00-0866 | MO | 50 Ton Manual Hydraulic Bottle Jack | 145.66 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.83* | |
| 01 22 23 00-0867 | DAY | 100 Ton Manual Hydraulic Bottle Jack | 14.61 | |
| | | *For Half Day Usage, Deduct* | *-4.57* | |
| 01 22 23 00-0868 | WK | 100 Ton Manual Hydraulic Bottle Jack | 58.43 | |
| 01 22 23 00-0869 | MO | 100 Ton Manual Hydraulic Bottle Jack | 210.46 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-8.42* | |

## 01 22 23 00-0870 Manual Screw Jacks *(01 22 23 00-0856)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0871 | DAY | 10 To 20 Ton Manual Screw Jack | 19.16 | |
| | | *For Half Day Usage, Deduct* | *-5.99* | |
| 01 22 23 00-0872 | WK | 10 To 20 Ton Manual Screw Jack | 50.71 | |
| 01 22 23 00-0873 | MO | 10 To 20 Ton Manual Screw Jack | 152.12 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-6.08* | |

## 01 22 23 00-0874 Shores/Braces *(01 22 23 00-0856)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0875 | MO | Up To 5' Height, Adjustable Tubular Steel Shoring | 15.78 | |
| 01 22 23 00-0876 | MO | Up To 10' Height, Adjustable Tubular Steel Shoring | 20.28 | |
| 01 22 23 00-0877 | MO | >10' To 16' Height, Adjustable Tubular Steel Shoring | 27.04 | |
| 01 22 23 00-0878 | MO | Up To 10' Height, Adjustable Wood Shoring | 5.60 | |
| 01 22 23 00-0879 | MO | >10' To 16' Height, Adjustable Wood Shoring | 7.47 | |
| 01 22 23 00-0880 | EA | Erect And Strip Shores To 10' | 12.45 | |
| | | *For >20 To 50, Deduct* | *-1.87* | |
| | | *For >50 To 100, Deduct* | *-4.36* | |
| | | *For >100, Deduct* | *-6.85* | |
| 01 22 23 00-0881 | EA | Erect And Strip Shores To 13' | 14.94 | |
| | | *For >20 To 50, Deduct* | *-2.24* | |
| | | *For >50 To 100, Deduct* | *-5.23* | |
| | | *For >100, Deduct* | *-8.22* | |
| 01 22 23 00-0882 | EA | Erect And Strip Shores To 16' | 17.43 | |
| | | *For >20 To 50, Deduct* | *-2.61* | |
| | | *For >50 To 100, Deduct* | *-6.10* | |
| | | *For >100, Deduct* | *-9.59* | |

## 01 22 23 00-0883 Pressure Washers *(01 22 23 00-0855)*

Note: Includes delivery to job site, pick-up when complete and full time operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0884 | DAY | 2,000 PSI Pressure Washer With Full-Time Operator | 900.07 | |
| | | *For Equipment Without Operator, Deduct* | *-791.94* | |
| | | *For Half Day Usage, Deduct* | *-429.76* | |
| 01 22 23 00-0885 | WK | 2,000 PSI Pressure Washer With Full-Time Operator | 4,234.16 | |
| | | *For Equipment Without Operator, Deduct* | *-3,959.68* | |
| 01 22 23 00-0886 | MO | 2,000 PSI Pressure Washer With Full-Time Operator | 17,857.30 | |
| | | *For Equipment Without Operator, Deduct* | *-17,158.63* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-27.95* | |
| 01 22 23 00-0887 | DAY | 2,500 PSI Pressure Washer With Full-Time Operator | 900.07 | |
| | | *For Equipment Without Operator, Deduct* | *-791.94* | |
| | | *For Half Day Usage, Deduct* | *-429.76* | |
| 01 22 23 00-0888 | WK | 2,500 PSI Pressure Washer With Full-Time Operator | 4,234.16 | |
| | | *For Equipment Without Operator, Deduct* | *-3,959.68* | |
| 01 22 23 00-0889 | MO | 2,500 PSI Pressure Washer With Full-Time Operator | 17,857.30 | |
| | | *For Equipment Without Operator, Deduct* | *-17,158.63* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-27.95* | |
| 01 22 23 00-0890 | DAY | 3,000 PSI Pressure Washer With Full-Time Operator | 900.07 | |
| | | *For Equipment Without Operator, Deduct* | *-791.94* | |
| | | *For Half Day Usage, Deduct* | *-429.76* | |
| 01 22 23 00-0891 | WK | 3,000 PSI Pressure Washer With Full-Time Operator | 4,234.16 | |
| | | *For Equipment Without Operator, Deduct* | *-3,959.68* | |
| 01 22 23 00-0892 | MO | 3,000 PSI Pressure Washer With Full-Time Operator | 17,857.30 | |
| | | *For Equipment Without Operator, Deduct* | *-17,158.63* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-27.95* | |
| 01 22 23 00-0893 | DAY | 3,500 PSI Pressure Washer With Full-Time Operator | 908.38 | |
| | | *For Equipment Without Operator, Deduct* | *-791.94* | |
| | | *For Half Day Usage, Deduct* | *-432.36* | |
| 01 22 23 00-0894 | WK | 3,500 PSI Pressure Washer With Full-Time Operator | 4,259.11 | |
| | | *For Equipment Without Operator, Deduct* | *-3,959.68* | |
| 01 22 23 00-0895 | MO | 3,500 PSI Pressure Washer With Full-Time Operator | 17,923.84 | |
| | | *For Equipment Without Operator, Deduct* | *-17,158.63* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-30.61* | |
| 01 22 23 00-0896 | DAY | 4,000 PSI Pressure Washer With Full-Time Operator | 941.66 | |
| | | *For Equipment Without Operator, Deduct* | *-791.94* | |
| | | *For Half Day Usage, Deduct* | *-442.76* | |
| 01 22 23 00-0897 | WK | 4,000 PSI Pressure Washer With Full-Time Operator | 4,367.24 | |
| | | *For Equipment Without Operator, Deduct* | *-3,959.68* | |
| 01 22 23 00-0898 | MO | 4,000 PSI Pressure Washer With Full-Time Operator | 18,298.13 | |
| | | *For Equipment Without Operator, Deduct* | *-17,158.63* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-45.58* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0899 | DAY | 5,000 PSI Pressure Washer With Full-Time Operator | 958.29 | |
| | | *For Equipment Without Operator, Deduct* | *-791.94* | |
| | | *For Half Day Usage, Deduct* | *-447.95* | |
| 01 22 23 00-0900 | WK | 5,000 PSI Pressure Washer With Full-Time Operator | 4,408.82 | |
| | | *For Equipment Without Operator, Deduct* | *-3,959.68* | |
| 01 22 23 00-0901 | MO | 5,000 PSI Pressure Washer With Full-Time Operator | 18,422.89 | |
| | | *For Equipment Without Operator, Deduct* | *-17,158.63* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-50.57* | |

## 01 22 23 00-0902 Confined Space Entry Equipment *(01 22 23 00-0855)*

Note: Includes delivery to job site, set-up, and pick-up when complete.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0903 | DAY | Ventilation Equipment For Confined Space<br>Note: Includes electric or gas blower and ventilation duct up to 25'. | 49.15 | |
| | | *For Half Day Usage, Deduct* | *-15.36* | |
| 01 22 23 00-0904 | WK | Ventilation Equipment For Confined Space<br>Note: Includes electric or gas blower and ventilation duct up to 25'. | 147.45 | |
| 01 22 23 00-0905 | MO | Ventilation Equipment For Confined Space<br>Note: Includes electric or gas blower and ventilation duct up to 25'. | 440.00 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-17.60* | |
| 01 22 23 00-0906 | DAY | Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly | 66.13 | |
| | | *For Half Day Usage, Deduct* | *-20.67* | |
| 01 22 23 00-0907 | WK | Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly | 198.38 | |
| 01 22 23 00-0908 | MO | Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly | 595.14 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-23.81* | |
| 01 22 23 00-0909 | DAY | Confined Space Air Monitor Personnel<br>Note: Per person day. | 791.94 | |
| | | *For Half Day Usage, Deduct* | *-395.97* | |
| 01 22 23 00-0910 | WK | 15' Long Ventilation Hose For Confined Space | 44.37 | |
| 01 22 23 00-0911 | MO | 15' Long Ventilation Hose For Confined Space | 147.90 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.92* | |

## 01 22 23 00-0912 High Volume Vacuums *(01 22 23 00-0855)*

Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0913 | DAY | 500 Gallon High Volume Vacuum With Full-Time Operator | 1,572.74 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-676.32* | |
| 01 22 23 00-0914 | WK | 500 Gallon High Volume Vacuum With Full-Time Operator | 6,572.51 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-0915 | MO | 500 Gallon High Volume Vacuum With Full-Time Operator | 26,994.00 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-225.38* | |

## 01 22 23 00-0916 Portable Dehumidifiers *(01 22 23 00-0855)*

Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0917 | DAY | 7.5 To 10 Gallons Per Day, Portable Dehumidifier | 189.49 | |
| | | *For Half Day Usage, Deduct* | *-59.22* | |
| 01 22 23 00-0918 | WK | 7.5 To 10 Gallons Per Day, Portable Dehumidifier | 609.08 | |
| 01 22 23 00-0919 | MO | 7.5 To 10 Gallons Per Day, Portable Dehumidifier | 1,854.30 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-74.17* | |
| 01 22 23 00-0920 | DAY | 16 To 25 Gallons Per Day, Portable Dehumidifier | 338.38 | |
| | | *For Half Day Usage, Deduct* | *-105.74* | |
| 01 22 23 00-0921 | WK | 16 To 25 Gallons Per Day, Portable Dehumidifier | 1,015.12 | |
| 01 22 23 00-0922 | MO | 16 To 25 Gallons Per Day, Portable Dehumidifier | 2,368.62 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-94.74* | |

## 01 22 23 00-0923 Direct Fired Space Heaters *(01 22 23 00-0855)*

Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0924 | DAY | 150,000 BTU/Hour Space Heater | 60.92 | |
| | | *For Half Day Usage, Deduct* | *-19.04* | |
| 01 22 23 00-0925 | WK | 150,000 BTU/Hour Space Heater | 175.14 | |
| 01 22 23 00-0926 | MO | 150,000 BTU/Hour Space Heater | 494.98 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-19.80* | |
| 01 22 23 00-0927 | DAY | 500,000 BTU/Hour Space Heater | 129.46 | |
| | | *For Half Day Usage, Deduct* | *-40.46* | |
| 01 22 23 00-0928 | WK | 500,000 BTU/Hour Space Heater | 319.83 | |
| 01 22 23 00-0929 | MO | 500,000 BTU/Hour Space Heater | 808.71 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-32.35* | |

## 01 22 23 00-0930 Mowers *(01 22 23 00-0855)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-0931 | DAY | 21" Walk Behind Lawn Mower | 96.73 | |
| | | *For Half Day Usage, Deduct* | *-30.23* | |
| 01 22 23 00-0932 | WK | 21" Walk Behind Lawn Mower | 278.10 | |
| 01 22 23 00-0933 | MO | 21" Walk Behind Lawn Mower | 568.30 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-22.73* | |
| 01 22 23 00-0934 | DAY | 32" Walk Behind Lawn Mower | 120.92 | |
| | | *For Half Day Usage, Deduct* | *-37.79* | |
| 01 22 23 00-0935 | WK | 32" Walk Behind Lawn Mower | 290.20 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0936 | MO | 32" Walk Behind Lawn Mower | 604.58 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-24.18* | |
| 01 22 23 00-0937 | DAY | 36" To 48" Walk Behind Deck Mower | 217.65 | |
| | | *For Half Day Usage, Deduct* | *-68.02* | |
| 01 22 23 00-0938 | WK | 36" To 48" Walk Behind Deck Mower | 604.58 | |
| 01 22 23 00-0939 | MO | 36" To 48" Walk Behind Deck Mower | 1,753.27 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-70.13* | |
| 01 22 23 00-0940 | DAY | 61" To 72" Walk Behind Deck Mower | 217.65 | |
| | | *For Half Day Usage, Deduct* | *-68.02* | |
| 01 22 23 00-0941 | WK | 61" To 72" Walk Behind Deck Mower | 604.58 | |
| 01 22 23 00-0942 | MO | 61" To 72" Walk Behind Deck Mower | 1,753.27 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-70.13* | |
| 01 22 23 00-0943 | | **Trailer Mounted Brush Chipper** *(01 22 23 00-0855)* | | |
| | | Note: Includes delivery to job site and pick-up when complete. | | |
| 01 22 23 00-0944 | DAY | 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up | 187.47 | |
| | | *For Half Day Usage, Deduct* | *-58.58* | |
| 01 22 23 00-0945 | WK | 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up | 448.30 | |
| 01 22 23 00-0946 | MO | 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up | 1,377.52 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-55.10* | |
| 01 22 23 00-0947 | DAY | 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up | 244.53 | |
| | | *For Half Day Usage, Deduct* | *-76.42* | |
| 01 22 23 00-0948 | WK | 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up | 551.01 | |
| 01 22 23 00-0949 | MO | 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up | 1,467.18 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-58.69* | |
| 01 22 23 00-0950 | DAY | 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up | 456.46 | |
| | | *For Half Day Usage, Deduct* | *-142.64* | |
| 01 22 23 00-0951 | WK | 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up | 1,027.03 | |
| 01 22 23 00-0952 | MO | 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up | 2,738.74 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-109.55* | |
| 01 22 23 00-0953 | DAY | 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up | 613.26 | |
| | | *For Half Day Usage, Deduct* | *-191.64* | |
| 01 22 23 00-0954 | WK | 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up | 1,379.84 | |
| 01 22 23 00-0955 | MO | 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up | 3,679.56 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-147.18* | |
| 01 22 23 00-0956 | | **Marine Equipment** *(01 22 23)* | | |
| 01 22 23 00-0957 | | **Barge And Tug Boat Rental** *(01 22 23 00-0956)* | | |
| 01 22 23 00-0958 | DAY | 50' Deck Cargo Barge | 1,194.98 | |
| | | *For Half Day Usage, Deduct* | *-373.43* | |
| 01 22 23 00-0959 | DAY | 90' Deck Cargo Barge | 1,696.45 | |
| | | *For Half Day Usage, Deduct* | *-530.14* | |
| 01 22 23 00-0960 | DAY | 160' Deck Cargo Barge | 2,496.66 | |
| | | *For Half Day Usage, Deduct* | *-780.21* | |
| 01 22 23 00-0961 | DAY | 200' Deck Cargo Barge | 3,787.67 | |
| | | *For Half Day Usage, Deduct* | *-1,183.65* | |
| 01 22 23 00-0962 | DAY | Barge Rental With Mounted Crane And Full-time Operator | 2,758.57 | |
| | | Note: Including barge. | | |
| | | *For Half Day Usage, Deduct* | *-1,047.62* | |
| 01 22 23 00-0963 | HR | 250 HP Tug Boat With Operator | 245.22 | |
| 01 22 23 00-0964 | HR | 400 HP Tug Boat With Operator | 441.00 | |
| 01 22 23 00-0965 | HR | 500 To 800 HP Tug Boat With Operator | 553.52 | |
| 01 22 23 00-0966 | HR | 16' Work Boat With Operator | 134.03 | |
| 01 22 23 00-0967 | HR | 48' Work Boat With Operator | 432.66 | |
| 01 22 23 00-0968 | | **Material Handling Equipment** *(01 22 23)* | | |
| 01 22 23 00-0969 | | **Truck Mounted Hydraulic Cranes** *(01 22 23 00-0968)* | | |
| | | Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension. | | |
| 01 22 23 00-0970 | DAY | 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 1,497.67 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-656.78* | |
| 01 22 23 00-0971 | WK | 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 6,520.85 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-0972 | MO | 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 26,288.37 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-179.06* | |
| 01 22 23 00-0973 | DAY | 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 1,627.63 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-697.39* | |
| 01 22 23 00-0974 | WK | 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 6,907.12 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-0975 | MO | 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 27,443.57 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-225.26* | |
| 01 22 23 00-0976 | DAY | 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 1,757.59 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-738.01* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-0977 | WK | 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 7,293.39 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-0978 | MO | 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 28,598.77 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-271.47* | |
| 01 22 23 00-0979 | DAY | 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 1,930.87 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-792.16* | |
| 01 22 23 00-0980 | WK | 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 7,813.23 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-0981 | MO | 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 30,151.07 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-333.56* | |
| 01 22 23 00-0982 | DAY | 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 2,089.71 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-841.79* | |
| 01 22 23 00-0983 | WK | 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 8,889.01 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-0984 | MO | 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 33,375.52 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-462.54* | |
| 01 22 23 00-0985 | DAY | 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 2,465.15 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-959.12* | |
| 01 22 23 00-0986 | WK | 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 10,231.93 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-0987 | MO | 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 37,407.17 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-623.81* | |
| 01 22 23 00-0988 | DAY | 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 2,703.41 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-1,033.57* | |
| 01 22 23 00-0989 | WK | 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 11,069.45 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-0990 | MO | 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 39,925.51 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-724.54* | |
| 01 22 23 00-0991 | DAY | 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 2,891.13 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-1,092.24* | |
| 01 22 23 00-0992 | WK | 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 11,748.13 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-0993 | MO | 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 41,958.66 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-805.87* | |
| 01 22 23 00-0994 | DAY | 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 3,078.85 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-1,150.90* | |
| 01 22 23 00-0995 | WK | 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 12,426.81 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-0996 | MO | 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 43,991.81 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-887.19* | |
| 01 22 23 00-0997 | DAY | 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 3,201.59 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-1,189.26* | |
| 01 22 23 00-0998 | WK | 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 12,845.57 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-0999 | MO | 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 45,262.53 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-938.02* | |
| 01 22 23 00-1000 | DAY | 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 3,367.65 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-1,241.15* | |
| 01 22 23 00-1001 | WK | 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 13,466.49 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1002 | MO | 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 47,110.85 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,011.96* | |
| 01 22 23 00-1003 | DAY | 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 3,901.93 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-1,408.11* | |
| 01 22 23 00-1004 | WK | 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 15,166.80 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1005 | MO | 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 52,211.78 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,215.99* | |
| 01 22 23 00-1006 | DAY | 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 4,270.15 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-1,523.18* | |
| 01 22 23 00-1007 | WK | 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 16,455.57 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1008 | MO | 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 56,078.09 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,370.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1009 | DAY | 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 4,934.39 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-1,730.76* | |
| 01 22 23 00-1010 | WK | 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 18,780.41 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1011 | MO | 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 63,052.61 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,649.63* | |
| 01 22 23 00-1012 | DAY | 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 5,396.47 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-1,875.16* | |
| 01 22 23 00-1013 | WK | 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 20,397.69 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1014 | MO | 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator | 67,904.45 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,843.70* | |

## 01 22 23 00-1015 Cable Controlled Lattice Boom, Mechanical Cranes *(01 22 23 00-0968)*

Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1016 | DAY | 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator | 2,739.51 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| 01 22 23 00-1017 | WK | 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator | 11,213.85 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1018 | MO | 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator | 40,352.93 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-741.64* | |
| 01 22 23 00-1019 | DAY | 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator | 4,075.21 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| 01 22 23 00-1020 | WK | 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator | 13,437.61 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1021 | MO | 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator | 47,024.21 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,008.49* | |
| 01 22 23 00-1022 | DAY | 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator | 4,291.81 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| 01 22 23 00-1023 | WK | 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator | 15,018.79 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1024 | MO | 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator | 51,766.31 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,198.17* | |
| 01 22 23 00-1025 | DAY | 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator | 4,725.01 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| 01 22 23 00-1026 | WK | 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator | 16,599.97 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1027 | MO | 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator | 56,502.63 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,387.63* | |
| 01 22 23 00-1028 | DAY | 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator | 4,930.78 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| 01 22 23 00-1029 | WK | 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator | 18,181.15 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1030 | MO | 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator | 61,250.50 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,577.54* | |
| 01 22 23 00-1031 | DAY | 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator | 5,136.55 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| 01 22 23 00-1032 | WK | 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator | 19,762.33 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1033 | MO | 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator | 65,998.37 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,767.46* | |
| 01 22 23 00-1034 | DAY | 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator | 5,815.23 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| 01 22 23 00-1035 | WK | 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator | 22,195.47 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1036 | MO | 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator | 73,287.68 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2,059.03* | |
| 01 22 23 00-1037 | DAY | 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator | 9,988.39 | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| 01 22 23 00-1038 | WK | 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator | 37,068.67 | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1039 | MO | 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator | 117,924.61 | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-3,844.51* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 01 22 23 00-1040 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-0968)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1041 | DAY | 5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator | 1,604.88 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-686.37* | |
| 01 22 23 00-1042 | WK | 5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator | 6,444.18 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-1043 | MO | 5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator | 24,617.72 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-130.33* | |
| 01 22 23 00-1044 | DAY | 6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator | 1,670.04 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-706.73* | |
| 01 22 23 00-1045 | WK | 6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator | 6,590.80 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-1046 | MO | 6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator | 24,943.54 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-143.36* | |
| 01 22 23 00-1047 | DAY | 8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator | 1,653.75 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-701.64* | |
| 01 22 23 00-1048 | WK | 8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator | 6,664.11 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-1049 | MO | 8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator | 25,432.27 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-162.91* | |
| 01 22 23 00-1050 | DAY | 10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator | 1,841.10 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Half Day Usage, Deduct* | *-760.19* | |
| 01 22 23 00-1051 | WK | 10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator | 7,152.84 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| 01 22 23 00-1052 | MO | 10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator | 26,572.64 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-208.52* | |

## 01 22 23 00-1053 Straight Mast, Rough Terrain Construction Forklifts *(01 22 23 00-0968)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1054 | DAY | 5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator | 1,388.21 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *80.48* | |
| | | *For Half Day Usage, Deduct* | *-618.66* | |
| 01 22 23 00-1055 | WK | 5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator | 6,027.95 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *219.77* | |
| 01 22 23 00-1056 | MO | 5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator | 23,874.44 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *502.98* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-100.60* | |
| 01 22 23 00-1057 | DAY | 6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator | 1,409.39 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *84.71* | |
| | | *For Half Day Usage, Deduct* | *-625.28* | |
| 01 22 23 00-1058 | WK | 6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator | 6,085.78 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *231.33* | |
| 01 22 23 00-1059 | MO | 6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator | 24,006.81 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *529.46* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-105.89* | |
| 01 22 23 00-1060 | DAY | 8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator | 1,523.42 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *107.52* | |
| | | *For Half Day Usage, Deduct* | *-660.91* | |
| 01 22 23 00-1061 | WK | 8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator | 6,403.46 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *294.87* | |
| 01 22 23 00-1062 | MO | 8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator | 24,739.90 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *676.08* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-135.22* | |
| 01 22 23 00-1063 | DAY | 10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator | 1,586.22 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *120.08* | |
| | | *For Half Day Usage, Deduct* | *-680.54* | |
| 01 22 23 00-1064 | WK | 10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator | 6,376.25 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *289.43* | |
| 01 22 23 00-1065 | MO | 10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator | 24,961.95 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *720.49* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-144.10* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1066 | | **Straight Mast, Industrial Warehouse Forklifts** *(01 22 23 00-0968)* | | |
| | | Note: Includes full-time operator. Excludes delivery, set-up, and removal. | | |
| 01 22 23 00-1067 | DAY | 5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 1,327.93 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *68.42* | |
| | | *For Half Day Usage, Deduct* | *-599.82* | |
| 01 22 23 00-1068 | WK | 5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 5,711.09 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *156.39* | |
| 01 22 23 00-1069 | MO | 5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 23,232.98 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *374.69* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-74.94* | |
| 01 22 23 00-1070 | DAY | 6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 1,336.08 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *70.05* | |
| | | *For Half Day Usage, Deduct* | *-602.37* | |
| 01 22 23 00-1071 | WK | 6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 5,735.52 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *161.28* | |
| 01 22 23 00-1072 | MO | 6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 23,290.00 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *386.10* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-77.22* | |
| 01 22 23 00-1073 | DAY | 8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 1,507.13 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *104.26* | |
| | | *For Half Day Usage, Deduct* | *-655.82* | |
| 01 22 23 00-1074 | WK | 8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 6,110.22 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *236.22* | |
| 01 22 23 00-1075 | MO | 8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 24,210.44 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *570.18* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-114.04* | |
| 01 22 23 00-1076 | DAY | 12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 1,523.42 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *107.52* | |
| | | *For Half Day Usage, Deduct* | *-660.91* | |
| 01 22 23 00-1077 | WK | 12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 6,248.69 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *263.91* | |
| 01 22 23 00-1078 | MO | 12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 24,699.18 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *667.93* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-133.59* | |
| 01 22 23 00-1079 | DAY | 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 1,670.04 | |
| | | *For Equipment Without Operator, Deduct* | *-985.82* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *136.84* | |
| | | *For Half Day Usage, Deduct* | *-706.73* | |
| 01 22 23 00-1080 | WK | 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 6,484.91 | |
| | | *For Equipment Without Operator, Deduct* | *-4,929.12* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *311.16* | |
| 01 22 23 00-1081 | MO | 15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator | 25,106.45 | |
| | | *For Equipment Without Operator, Deduct* | *-21,359.52* | |
| | | *For Propane Instead Of Gas Or Diesel, Add* | *749.39* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-149.88* | |
| 01 22 23 00-1082 | | **Chain Hoists** *(01 22 23 00-0968)* | | |
| | | Note: Includes delivery to job site and pick-up when complete. | | |
| 01 22 23 00-1083 | DAY | 1 Ton, 20' Lift, Manual Chain Hoist | 12.52 | |
| | | *For Half Day Usage, Deduct* | *-3.91* | |
| 01 22 23 00-1084 | WK | 1 Ton, 20' Lift, Manual Chain Hoist | 32.55 | |
| 01 22 23 00-1085 | MO | 1 Ton, 20' Lift, Manual Chain Hoist | 96.40 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-3.86* | |
| 01 22 23 00-1086 | DAY | 3 Ton, 20' Lift, Manual Chain Hoist | 35.06 | |
| | | *For Half Day Usage, Deduct* | *-10.96* | |
| 01 22 23 00-1087 | WK | 3 Ton, 20' Lift, Manual Chain Hoist | 82.63 | |
| 01 22 23 00-1088 | MO | 3 Ton, 20' Lift, Manual Chain Hoist | 231.62 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-9.26* | |
| 01 22 23 00-1089 | DAY | 5 Ton, 20' Lift, Manual Chain Hoist | 45.07 | |
| | | *For Half Day Usage, Deduct* | *-14.08* | |
| 01 22 23 00-1090 | WK | 5 Ton, 20' Lift, Manual Chain Hoist | 121.44 | |
| 01 22 23 00-1091 | MO | 5 Ton, 20' Lift, Manual Chain Hoist | 338.04 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-13.52* | |
| 01 22 23 00-1092 | DAY | 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist | 88.89 | |
| | | *For Half Day Usage, Deduct* | *-27.78* | |
| 01 22 23 00-1093 | WK | 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist | 231.62 | |
| 01 22 23 00-1094 | MO | 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist | 626.00 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-25.04* | |
| 01 22 23 00-1095 | DAY | 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist | 90.14 | |
| | | *For Half Day Usage, Deduct* | *-28.17* | |
| 01 22 23 00-1096 | WK | 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist | 241.01 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1097 | MO | 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist | 657.30 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-26.29* | |
| 01 22 23 00-1098 | DAY | 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist | 92.65 | |
| | | *For Half Day Usage, Deduct* | *-28.95* | |
| 01 22 23 00-1099 | WK | 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist | 259.79 | |
| 01 22 23 00-1100 | MO | 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist | 719.90 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-28.80* | |

## 01 22 23 00-1101 Roof Swing Hoist *(01 22 23 00-0968)*

Note: Includes delivery to job site and pick-up when complete.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1102 | DAY | Up To 400 Lb., Manual Swing Roof Hoist | 103.38 | |
| | | *For Half Day Usage, Deduct* | *-32.31* | |
| 01 22 23 00-1103 | WK | Up To 400 Lb., Manual Swing Roof Hoist | 361.81 | |
| 01 22 23 00-1104 | MO | Up To 400 Lb., Manual Swing Roof Hoist | 1,240.50 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-49.62* | |

## 01 22 23 00-1105 Truck Mounted Digger Derrick *(01 22 23 00-0968)*

Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1106 | DAY | Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator | 1,690.27 | |
| | | Note: Includes lifting boom, grapple arm and auger drill. | | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-716.97* | |
| 01 22 23 00-1107 | WK | Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator | 7,084.21 | |
| | | Note: Includes lifting boom, grapple arm and auger drill. | | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1108 | MO | Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator | 27,280.45 | |
| | | Note: Includes lifting boom, grapple arm and auger drill. | | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-218.74* | |
| 01 22 23 00-1109 | DAY | Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator | 1,830.77 | |
| | | Note: Includes lifting boom, grapple arm and auger drill. | | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-760.87* | |
| 01 22 23 00-1110 | WK | Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator | 7,505.71 | |
| | | Note: Includes lifting boom, grapple arm and auger drill. | | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1111 | MO | Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator | 28,404.45 | |
| | | Note: Includes lifting boom, grapple arm and auger drill. | | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-263.70* | |
| 01 22 23 00-1112 | DAY | Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator | 2,698.98 | |
| | | Note: Includes lifting boom, grapple arm and auger drill. | | |
| | | *For Equipment Without Operator, Deduct* | *-1,006.71* | |
| | | *For Half Day Usage, Deduct* | *-1,032.19* | |
| 01 22 23 00-1113 | WK | Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator | 10,110.34 | |
| | | Note: Includes lifting boom, grapple arm and auger drill. | | |
| | | *For Equipment Without Operator, Deduct* | *-5,033.53* | |
| 01 22 23 00-1114 | MO | Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator | 35,350.12 | |
| | | Note: Includes lifting boom, grapple arm and auger drill. | | |
| | | *For Equipment Without Operator, Deduct* | *-21,811.97* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-541.53* | |

## 01 22 23 00-1115 Pumping Equipment *(01 22 23)*

## 01 22 23 00-1116 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1140 for larger diameter pumps.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1117 | DAY | 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump | 76.96 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *30.78* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *61.57* | |
| 01 22 23 00-1118 | WK | 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump | 173.15 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *69.26* | |
| | | *For >80 Hours Usage Per Week, Add* | *138.52* | |
| 01 22 23 00-1119 | MO | 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump | 461.74 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *184.70* | |
| | | *For >320 Hours Usage Per Month, Add* | *369.39* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-18.47* | |
| 01 22 23 00-1120 | DAY | 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump | 92.35 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *36.94* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *73.88* | |
| 01 22 23 00-1121 | WK | 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump | 207.78 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *83.11* | |
| | | *For >80 Hours Usage Per Week, Add* | *166.22* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1122 | MO | 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump | 554.08 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *221.63* | |
| | | *For >320 Hours Usage Per Month, Add* | *443.26* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-22.16* | |

## 01 22 23 00-1123 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1124 | DAY | 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump | 88.50 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *35.40* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *70.80* | |
| 01 22 23 00-1125 | WK | 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump | 250.11 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *100.04* | |
| | | *For >80 Hours Usage Per Week, Add* | *200.09* | |
| 01 22 23 00-1126 | MO | 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump | 634.89 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *253.96* | |
| | | *For >320 Hours Usage Per Month, Add* | *507.91* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-25.40* | |
| 01 22 23 00-1127 | DAY | 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump | 107.74 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *43.10* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *86.19* | |
| 01 22 23 00-1128 | WK | 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump | 288.58 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *115.43* | |
| | | *For >80 Hours Usage Per Week, Add* | *230.86* | |
| 01 22 23 00-1129 | MO | 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump | 817.66 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *327.06* | |
| | | *For >320 Hours Usage Per Month, Add* | *654.13* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-32.71* | |

## 01 22 23 00-1130 Gas Powered Portable Trash Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1131 | DAY | 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump | 111.59 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *44.64* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *89.27* | |
| 01 22 23 00-1132 | WK | 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump | 230.87 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *92.35* | |
| | | *For >80 Hours Usage Per Week, Add* | *184.70* | |
| 01 22 23 00-1133 | MO | 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump | 692.60 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *277.04* | |
| | | *For >320 Hours Usage Per Month, Add* | *554.08* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-27.70* | |
| 01 22 23 00-1134 | DAY | 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump | 111.59 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *44.64* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *89.27* | |
| 01 22 23 00-1135 | WK | 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump | 298.20 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *119.28* | |
| | | *For >80 Hours Usage Per Week, Add* | *238.56* | |
| 01 22 23 00-1136 | MO | 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump | 817.66 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *327.06* | |
| | | *For >320 Hours Usage Per Month, Add* | *654.13* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-32.71* | |
| 01 22 23 00-1137 | DAY | 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump | 177.00 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *70.80* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *141.60* | |
| 01 22 23 00-1138 | WK | 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump | 500.21 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *200.08* | |
| | | *For >80 Hours Usage Per Week, Add* | *400.17* | |
| 01 22 23 00-1139 | MO | 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump | 1,452.54 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *581.02* | |
| | | *For >320 Hours Usage Per Month, Add* | *1,162.03* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-58.10* | |

## 01 22 23 00-1140 Diesel Powered Portable Trash Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1141 | DAY | 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump | 346.30 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *138.52* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *277.04* | |
| 01 22 23 00-1142 | WK | 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump | 942.71 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *377.08* | |
| | | *For >80 Hours Usage Per Week, Add* | *754.17* | |
| 01 22 23 00-1143 | MO | 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump | 4,107.53 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *1,643.01* | |
| | | *For >320 Hours Usage Per Month, Add* | *3,286.02* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-164.30* | |
| 01 22 23 00-1144 | DAY | 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump | 529.07 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *211.63* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *423.26* | |
| 01 22 23 00-1145 | WK | 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump | 1,385.21 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *554.08* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,108.17* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1146 | MO | 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump | 3,684.27 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *1,473.71* | |
| | | *For >320 Hours Usage Per Month, Add* | *2,947.42* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-147.37* | |
| 01 22 23 00-1147 | DAY | 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump | 719.54 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *287.82* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *575.63* | |
| 01 22 23 00-1148 | WK | 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump | 1,925.82 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *770.33* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,540.66* | |
| 01 22 23 00-1149 | MO | 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump | 5,152.20 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *2,060.88* | |
| | | *For >320 Hours Usage Per Month, Add* | *4,121.76* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-206.09* | |
| 01 22 23 00-1150 | DAY | 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump | 931.17 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *372.47* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *744.94* | |
| 01 22 23 00-1151 | WK | 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump | 2,377.94 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *951.18* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,902.35* | |
| 01 22 23 00-1152 | MO | 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump | 6,983.76 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *2,793.50* | |
| | | *For >320 Hours Usage Per Month, Add* | *5,587.01* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-279.35* | |

## 01 22 23 00-1153 Diesel Powered Portable High Head Trash Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1154 | DAY | 27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump | 461.74 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *184.70* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *369.39* | |
| 01 22 23 00-1155 | WK | 27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump | 1,038.91 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *415.56* | |
| | | *For >80 Hours Usage Per Week, Add* | *831.13* | |
| 01 22 23 00-1156 | MO | 27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump | 2,770.42 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *1,108.17* | |
| | | *For >320 Hours Usage Per Month, Add* | *2,216.34* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-110.82* | |
| 01 22 23 00-1157 | DAY | 90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump | 692.60 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *277.04* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *554.08* | |
| 01 22 23 00-1158 | WK | 90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump | 1,852.72 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *741.09* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,482.18* | |
| 01 22 23 00-1159 | MO | 90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump | 5,194.53 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *2,077.81* | |
| | | *For >320 Hours Usage Per Month, Add* | *4,155.62* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-207.78* | |
| 01 22 23 00-1160 | DAY | 135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump | 846.52 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *338.61* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *677.22* | |
| | | *For Half Day Usage, Deduct* | *-264.54* | |
| 01 22 23 00-1161 | WK | 135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump | 1,904.66 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *761.86* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,523.73* | |
| 01 22 23 00-1162 | MO | 135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump | 5,079.10 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *2,031.64* | |
| | | *For >320 Hours Usage Per Month, Add* | *4,063.28* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-203.16* | |

## 01 22 23 00-1163 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1164 | DAY | 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump | 494.44 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *197.78* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *395.55* | |
| 01 22 23 00-1165 | WK | 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump | 1,125.48 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *450.19* | |
| | | *For >80 Hours Usage Per Week, Add* | *900.38* | |
| 01 22 23 00-1166 | MO | 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump | 3,509.19 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *1,403.68* | |
| | | *For >320 Hours Usage Per Month, Add* | *2,807.35* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-140.37* | |
| 01 22 23 00-1167 | DAY | 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump | 606.03 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *242.41* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *484.82* | |
| 01 22 23 00-1168 | WK | 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump | 1,510.26 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *604.10* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,208.21* | |
| 01 22 23 00-1169 | MO | 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump | 4,107.53 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *1,643.01* | |
| | | *For >320 Hours Usage Per Month, Add* | *3,286.02* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-164.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1170 | DAY | 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump | 731.08 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *292.43* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *584.86* | |
| 01 22 23 00-1171 | WK | 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump | 2,162.46 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *864.98* | |
| | | *For >80 Hours Usage Per Week, Add* | *1,729.97* | |
| 01 22 23 00-1172 | MO | 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump | 6,031.43 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *2,412.57* | |
| | | *For >320 Hours Usage Per Month, Add* | *4,825.14* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-241.26* | |
| 01 22 23 00-1173 | DAY | 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump | 1,100.47 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *440.19* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *880.38* | |
| 01 22 23 00-1174 | WK | 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump | 2,810.82 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *1,124.33* | |
| | | *For >80 Hours Usage Per Week, Add* | *2,248.66* | |
| 01 22 23 00-1175 | MO | 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump | 8,253.53 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *3,301.41* | |
| | | *For >320 Hours Usage Per Month, Add* | *6,602.82* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-330.14* | |

## 01 22 23 00-1176 3 Phase Electric Submersible Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1177 | DAY | 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump | 192.39 | |
| 01 22 23 00-1178 | WK | 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump | 480.98 | |
| 01 22 23 00-1179 | MO | 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump | 1,442.92 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-57.72* | |
| 01 22 23 00-1180 | DAY | 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump | 253.95 | |
| 01 22 23 00-1181 | WK | 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump | 634.89 | |
| 01 22 23 00-1182 | MO | 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump | 1,904.66 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-76.19* | |

## 01 22 23 00-1183 Suction Hose With Couplings *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1184 | DAY | Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings | 6.43 | |
| | | *For Half Day Usage, Deduct* | *-2.01* | |
| 01 22 23 00-1185 | WK | Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings | 16.08 | |
| 01 22 23 00-1186 | MO | Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings | 49.32 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1.97* | |
| 01 22 23 00-1187 | DAY | 3" Inside Diameter, 20' Length, Suction Hose With Couplings | 17.15 | |
| | | *For Half Day Usage, Deduct* | *-5.36* | |
| 01 22 23 00-1188 | WK | 3" Inside Diameter, 20' Length, Suction Hose With Couplings | 43.96 | |
| 01 22 23 00-1189 | MO | 3" Inside Diameter, 20' Length, Suction Hose With Couplings | 134.01 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.36* | |
| 01 22 23 00-1190 | DAY | 4" Inside Diameter, 20' Length, Suction Hose With Couplings | 25.73 | |
| | | *For Half Day Usage, Deduct* | *-8.04* | |
| 01 22 23 00-1191 | WK | 4" Inside Diameter, 20' Length, Suction Hose With Couplings | 65.40 | |
| 01 22 23 00-1192 | MO | 4" Inside Diameter, 20' Length, Suction Hose With Couplings | 198.34 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-7.93* | |
| 01 22 23 00-1193 | DAY | 6" Inside Diameter, 20' Length, Suction Hose With Couplings | 32.16 | |
| | | *For Half Day Usage, Deduct* | *-10.05* | |
| 01 22 23 00-1194 | WK | 6" Inside Diameter, 20' Length, Suction Hose With Couplings | 80.41 | |
| 01 22 23 00-1195 | MO | 6" Inside Diameter, 20' Length, Suction Hose With Couplings | 235.86 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-9.43* | |
| 01 22 23 00-1196 | DAY | 10" Inside Diameter, 20' Length, Suction Hose With Couplings | 75.05 | |
| | | *For Half Day Usage, Deduct* | *-23.45* | |
| 01 22 23 00-1197 | WK | 10" Inside Diameter, 20' Length, Suction Hose With Couplings | 192.98 | |
| 01 22 23 00-1198 | MO | 10" Inside Diameter, 20' Length, Suction Hose With Couplings | 568.21 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-22.73* | |
| 01 22 23 00-1199 | DAY | 12" Inside Diameter, 20' Length, Suction Hose With Couplings | 100.78 | |
| | | *For Half Day Usage, Deduct* | *-31.49* | |
| 01 22 23 00-1200 | WK | 12" Inside Diameter, 20' Length, Suction Hose With Couplings | 219.78 | |
| 01 22 23 00-1201 | MO | 12" Inside Diameter, 20' Length, Suction Hose With Couplings | 659.34 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-26.37* | |

## 01 22 23 00-1202 Discharge Hose With Couplings *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1203 | DAY | 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings | 6.43 | |
| | | *For Half Day Usage, Deduct* | *-2.01* | |
| 01 22 23 00-1204 | WK | 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings | 16.08 | |
| 01 22 23 00-1205 | MO | 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings | 49.32 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1.97* | |
| 01 22 23 00-1206 | DAY | 2" Inside Diameter, 50' Length, Discharge Hose With Couplings | 7.50 | |
| | | *For Half Day Usage, Deduct* | *-2.34* | |
| 01 22 23 00-1207 | WK | 2" Inside Diameter, 50' Length, Discharge Hose With Couplings | 18.23 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1208 | MO | 2" Inside Diameter, 50' Length, Discharge Hose With Couplings | 56.82 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2.27* | |
| 01 22 23 00-1209 | DAY | 3" Inside Diameter, 50' Length, Discharge Hose With Couplings | 8.58 | |
| | | *For Half Day Usage, Deduct* | *-2.68* | |
| 01 22 23 00-1210 | WK | 3" Inside Diameter, 50' Length, Discharge Hose With Couplings | 21.44 | |
| 01 22 23 00-1211 | MO | 3" Inside Diameter, 50' Length, Discharge Hose With Couplings | 65.40 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2.62* | |
| 01 22 23 00-1212 | DAY | 4" Inside Diameter, 50' Length, Discharge Hose With Couplings | 22.51 | |
| | | *For Half Day Usage, Deduct* | *-7.03* | |
| 01 22 23 00-1213 | WK | 4" Inside Diameter, 50' Length, Discharge Hose With Couplings | 57.89 | |
| 01 22 23 00-1214 | MO | 4" Inside Diameter, 50' Length, Discharge Hose With Couplings | 166.18 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-6.65* | |
| 01 22 23 00-1215 | DAY | 6" Inside Diameter, 50' Length, Discharge Hose With Couplings | 27.87 | |
| | | *For Half Day Usage, Deduct* | *-8.71* | |
| 01 22 23 00-1216 | WK | 6" Inside Diameter, 50' Length, Discharge Hose With Couplings | 76.12 | |
| 01 22 23 00-1217 | MO | 6" Inside Diameter, 50' Length, Discharge Hose With Couplings | 209.06 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-8.36* | |
| 01 22 23 00-1218 | DAY | 10" Inside Diameter, 10' Length, Discharge Hose With Couplings | 21.44 | |
| | | *For Half Day Usage, Deduct* | *-6.70* | |
| 01 22 23 00-1219 | WK | 10" Inside Diameter, 10' Length, Discharge Hose With Couplings | 53.60 | |
| 01 22 23 00-1220 | MO | 10" Inside Diameter, 10' Length, Discharge Hose With Couplings | 160.82 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-6.43* | |
| 01 22 23 00-1221 | DAY | 12" Inside Diameter, 10' Length, Discharge Hose With Couplings | 54.68 | |
| | | *For Half Day Usage, Deduct* | *-17.09* | |
| 01 22 23 00-1222 | WK | 12" Inside Diameter, 10' Length, Discharge Hose With Couplings | 139.37 | |
| 01 22 23 00-1223 | MO | 12" Inside Diameter, 10' Length, Discharge Hose With Couplings | 412.76 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-16.51* | |

## 01 22 23 00-1224 Hydraulic Submersible Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

## 01 22 23 00-1225 Hydraulic Submersible Pumps *(01 22 23 00-1224)*

Note: Includes delivery, set-up, and removal. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1226 | DAY | 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump | 126.98 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *50.79* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *101.58* | |
| 01 22 23 00-1227 | WK | 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump | 340.53 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *136.21* | |
| | | *For >80 Hours Usage Per Week, Add* | *272.42* | |
| 01 22 23 00-1228 | MO | 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump | 952.33 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *380.93* | |
| | | *For >320 Hours Usage Per Month, Add* | *761.86* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-38.09* | |
| 01 22 23 00-1229 | DAY | 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump | 161.61 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *64.64* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *129.29* | |
| 01 22 23 00-1230 | WK | 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump | 415.56 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *166.22* | |
| | | *For >80 Hours Usage Per Week, Add* | *332.45* | |
| 01 22 23 00-1231 | MO | 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump | 1,269.77 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *507.91* | |
| | | *For >320 Hours Usage Per Month, Add* | *1,015.82* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-50.79* | |

## 01 22 23 00-1232 Hydraulic Submersible Pump Diesel Power Packs *(01 22 23 00-1224)*

Note: Includes delivery, set-up, and removal. Excludes operator.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1233 | DAY | 100 HP, Hydraulic Submersible Pump Diesel Power Pack | 293.39 | |
| | | *For >8 To 16 Hours Usage Per Day, Add* | *117.36* | |
| | | *For >16 To 24 Hours Usage Per Day, Add* | *234.71* | |
| 01 22 23 00-1234 | WK | 100 HP, Hydraulic Submersible Pump Diesel Power Pack | 875.37 | |
| | | *For >40 To 80 Hours Usage Per Week, Add* | *350.15* | |
| | | *For >80 Hours Usage Per Week, Add* | *700.30* | |
| 01 22 23 00-1235 | MO | 100 HP, Hydraulic Submersible Pump Diesel Power Pack | 2,308.68 | |
| | | *For >160 To 320 Hours Usage Per Month, Add* | *923.47* | |
| | | *For >320 Hours Usage Per Month, Add* | *1,846.94* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-92.35* | |

## 01 22 23 00-1236 HDPE Pipe With Couplings *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1237 | DAY | 4" x 50' HDPE Pipe With Couplings | 15.32 | |
| | | *For Half Day Usage, Deduct* | *-4.79* | |
| 01 22 23 00-1238 | WK | 4" x 50' HDPE Pipe With Couplings | 36.77 | |
| 01 22 23 00-1239 | MO | 4" x 50' HDPE Pipe With Couplings | 113.37 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-4.53* | |
| 01 22 23 00-1240 | DAY | 6" x 50' HDPE Pipe With Couplings | 24.51 | |
| | | *For Half Day Usage, Deduct* | *-7.66* | |
| 01 22 23 00-1241 | WK | 6" x 50' HDPE Pipe With Couplings | 61.28 | |
| 01 22 23 00-1242 | MO | 6" x 50' HDPE Pipe With Couplings | 186.90 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-7.48* | |
| 01 22 23 00-1243 | DAY | 8" x 50' HDPE Pipe With Couplings | 39.83 | |
| | | *For Half Day Usage, Deduct* | *-12.45* | |
| 01 22 23 00-1244 | WK | 8" x 50' HDPE Pipe With Couplings | 104.18 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1245 | MO | 8" x 50' HDPE Pipe With Couplings | 309.46 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-12.38* | |
| 01 22 23 00-1246 | DAY | 10" x 50' HDPE Pipe With Couplings | 49.02 | |
| | | *For Half Day Usage, Deduct* | *-15.32* | |
| 01 22 23 00-1247 | WK | 10" x 50' HDPE Pipe With Couplings | 125.62 | |
| 01 22 23 00-1248 | MO | 10" x 50' HDPE Pipe With Couplings | 383.00 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-15.32* | |
| 01 22 23 00-1249 | DAY | 12" x 20' HDPE Pipe With Couplings | 36.77 | |
| | | *For Half Day Usage, Deduct* | *-11.49* | |
| 01 22 23 00-1250 | WK | 12" x 20' HDPE Pipe With Couplings | 101.11 | |
| 01 22 23 00-1251 | MO | 12" x 20' HDPE Pipe With Couplings | 306.40 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-12.26* | |
| 01 22 23 00-1252 | DAY | 4" Elbow For HDPE Pipe, Quick Connect | 36.77 | |
| | | *For Half Day Usage, Deduct* | *-11.49* | |
| 01 22 23 00-1253 | WK | 4" Elbow For HDPE Pipe, Quick Connect | 94.98 | |
| 01 22 23 00-1254 | MO | 4" Elbow For HDPE Pipe, Quick Connect | 281.89 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-11.28* | |
| 01 22 23 00-1255 | DAY | 6" Elbow For HDPE Pipe, Quick Connect | 42.90 | |
| | | *For Half Day Usage, Deduct* | *-13.41* | |
| 01 22 23 00-1256 | WK | 6" Elbow For HDPE Pipe, Quick Connect | 110.30 | |
| 01 22 23 00-1257 | MO | 6" Elbow For HDPE Pipe, Quick Connect | 337.04 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-13.48* | |
| 01 22 23 00-1258 | DAY | 8" Elbow For HDPE Pipe, Quick Connect | 49.02 | |
| | | *For Half Day Usage, Deduct* | *-15.32* | |
| 01 22 23 00-1259 | WK | 8" Elbow For HDPE Pipe, Quick Connect | 125.62 | |
| 01 22 23 00-1260 | MO | 8" Elbow For HDPE Pipe, Quick Connect | 383.00 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-15.32* | |
| 01 22 23 00-1261 | DAY | 10" Elbow For HDPE Pipe, Quick Connect | 61.28 | |
| | | *For Half Day Usage, Deduct* | *-19.15* | |
| 01 22 23 00-1262 | WK | 10" Elbow For HDPE Pipe, Quick Connect | 156.26 | |
| 01 22 23 00-1263 | MO | 10" Elbow For HDPE Pipe, Quick Connect | 474.92 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-19.00* | |
| 01 22 23 00-1264 | DAY | 12" Elbow For HDPE Pipe, Quick Connect | 61.28 | |
| | | *For Half Day Usage, Deduct* | *-19.15* | |
| 01 22 23 00-1265 | WK | 12" Elbow For HDPE Pipe, Quick Connect | 156.26 | |
| 01 22 23 00-1266 | MO | 12" Elbow For HDPE Pipe, Quick Connect | 474.92 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-19.00* | |
| 01 22 23 00-1267 | DAY | 4" Tee For HDPE Pipe, Quick Connect | 36.77 | |
| | | *For Half Day Usage, Deduct* | *-11.49* | |
| 01 22 23 00-1268 | WK | 4" Tee For HDPE Pipe, Quick Connect | 94.98 | |
| 01 22 23 00-1269 | MO | 4" Tee For HDPE Pipe, Quick Connect | 281.89 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-11.28* | |
| 01 22 23 00-1270 | DAY | 6" Tee For HDPE Pipe, Quick Connect | 49.02 | |
| | | *For Half Day Usage, Deduct* | *-15.32* | |
| 01 22 23 00-1271 | WK | 6" Tee For HDPE Pipe, Quick Connect | 125.62 | |
| 01 22 23 00-1272 | MO | 6" Tee For HDPE Pipe, Quick Connect | 383.00 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-15.32* | |
| 01 22 23 00-1273 | DAY | 8" Tee For HDPE Pipe, Quick Connect | 61.28 | |
| | | *For Half Day Usage, Deduct* | *-19.15* | |
| 01 22 23 00-1274 | WK | 8" Tee For HDPE Pipe, Quick Connect | 156.26 | |
| 01 22 23 00-1275 | MO | 8" Tee For HDPE Pipe, Quick Connect | 474.92 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-19.00* | |
| 01 22 23 00-1276 | DAY | 10" Tee For HDPE Pipe, Quick Connect | 73.54 | |
| | | *For Half Day Usage, Deduct* | *-22.98* | |
| 01 22 23 00-1277 | WK | 10" Tee For HDPE Pipe, Quick Connect | 186.90 | |
| 01 22 23 00-1278 | MO | 10" Tee For HDPE Pipe, Quick Connect | 566.84 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-22.67* | |
| 01 22 23 00-1279 | DAY | 12" Tee For HDPE Pipe, Quick Connect | 73.54 | |
| | | *For Half Day Usage, Deduct* | *-22.98* | |
| 01 22 23 00-1280 | WK | 12" Tee For HDPE Pipe, Quick Connect | 186.90 | |
| 01 22 23 00-1281 | MO | 12" Tee For HDPE Pipe, Quick Connect | 566.84 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-22.67* | |
| 01 22 23 00-1282 | DAY | 4" Cap For HDPE Pipe, Quick Connect | 6.13 | |
| | | *For Half Day Usage, Deduct* | *-1.92* | |
| 01 22 23 00-1283 | WK | 4" Cap For HDPE Pipe, Quick Connect | 18.38 | |
| 01 22 23 00-1284 | MO | 4" Cap For HDPE Pipe, Quick Connect | 55.15 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2.21* | |
| 01 22 23 00-1285 | DAY | 6" Cap For HDPE Pipe, Quick Connect | 6.13 | |
| | | *For Half Day Usage, Deduct* | *-1.92* | |
| 01 22 23 00-1286 | WK | 6" Cap For HDPE Pipe, Quick Connect | 18.38 | |
| 01 22 23 00-1287 | MO | 6" Cap For HDPE Pipe, Quick Connect | 55.15 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2.21* | |
| 01 22 23 00-1288 | DAY | 8" Cap For HDPE Pipe, Quick Connect | 6.13 | |
| | | *For Half Day Usage, Deduct* | *-1.92* | |
| 01 22 23 00-1289 | WK | 8" Cap For HDPE Pipe, Quick Connect | 18.38 | |
| 01 22 23 00-1290 | MO | 8" Cap For HDPE Pipe, Quick Connect | 55.15 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2.21* | |
| 01 22 23 00-1291 | DAY | 10" Cap For HDPE Pipe, Quick Connect | 6.13 | |
| | | *For Half Day Usage, Deduct* | *-1.92* | |
| 01 22 23 00-1292 | WK | 10" Cap For HDPE Pipe, Quick Connect | 18.38 | |
| 01 22 23 00-1293 | MO | 10" Cap For HDPE Pipe, Quick Connect | 55.15 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2.21* | |
| 01 22 23 00-1294 | DAY | 12" Cap For HDPE Pipe, Quick Connect | 6.13 | |
| | | *For Half Day Usage, Deduct* | *-1.92* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1295 | WK | 12" Cap For HDPE Pipe, Quick Connect | 18.38 | |
| 01 22 23 00-1296 | MO | 12" Cap For HDPE Pipe, Quick Connect | 55.15 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2.21* | |
| 01 22 23 00-1297 | DAY | 4" Wye For HDPE Pipe, Quick Connect | 18.38 | |
| | | *For Half Day Usage, Deduct* | *-5.74* | |
| 01 22 23 00-1298 | WK | 4" Wye For HDPE Pipe, Quick Connect | 45.96 | |
| 01 22 23 00-1299 | MO | 4" Wye For HDPE Pipe, Quick Connect | 140.94 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5.64* | |
| 01 22 23 00-1300 | DAY | 6" Wye For HDPE Pipe, Quick Connect | 21.45 | |
| | | *For Half Day Usage, Deduct* | *-6.70* | |
| 01 22 23 00-1301 | WK | 6" Wye For HDPE Pipe, Quick Connect | 55.15 | |
| 01 22 23 00-1302 | MO | 6" Wye For HDPE Pipe, Quick Connect | 168.52 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-6.74* | |
| 01 22 23 00-1303 | DAY | 8" Wye For HDPE Pipe, Quick Connect | 36.77 | |
| | | *For Half Day Usage, Deduct* | *-11.49* | |
| 01 22 23 00-1304 | WK | 8" Wye For HDPE Pipe, Quick Connect | 94.98 | |
| 01 22 23 00-1305 | MO | 8" Wye For HDPE Pipe, Quick Connect | 281.89 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-11.28* | |
| 01 22 23 00-1306 | DAY | 10" Wye For HDPE Pipe, Quick Connect | 55.15 | |
| | | *For Half Day Usage, Deduct* | *-17.23* | |
| 01 22 23 00-1307 | WK | 10" Wye For HDPE Pipe, Quick Connect | 140.94 | |
| 01 22 23 00-1308 | MO | 10" Wye For HDPE Pipe, Quick Connect | 428.96 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-17.16* | |
| 01 22 23 00-1309 | DAY | 12" Wye For HDPE Pipe, Quick Connect | 55.15 | |
| | | *For Half Day Usage, Deduct* | *-17.23* | |
| 01 22 23 00-1310 | WK | 12" Wye For HDPE Pipe, Quick Connect | 140.94 | |
| 01 22 23 00-1311 | MO | 12" Wye For HDPE Pipe, Quick Connect | 428.96 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-17.16* | |

## 01 22 23 00-1312 Temporary Building Services *(01 22 23)*

## 01 22 23 00-1313 Boilers *(01 22 23 00-1312)*

Note: Excludes operator, delivery, set-up, and removal.

## 01 22 23 00-1314 Electric Boilers *(01 22 23 00-1313)*

| | | | |
|---|---|---|---|
| 01 22 23 00-1315 | MO | 40 MBH, 12 KW Electric Boiler Rental | 2,867.55 |
| 01 22 23 00-1316 | MO | 60 MBH, 20 KW Electric Boiler Rental | 3,128.28 |
| 01 22 23 00-1317 | MO | 95 MBH, 30 KW Electric Boiler Rental | 3,258.65 |
| 01 22 23 00-1318 | MO | 135 MBH, 40 KW Electric Boiler Rental | 3,649.61 |
| 01 22 23 00-1319 | MO | 165 MBH, 50 KW Electric Boiler Rental | 5,083.39 |
| 01 22 23 00-1320 | MO | 215 MBH, 60 KW Electric Boiler Rental | 5,865.47 |
| 01 22 23 00-1321 | MO | 365 MBH, 100 KW Electric Boiler Rental | 7,690.34 |
| 01 22 23 00-1322 | MO | 510 MBH, 150 KW Electric Boiler Rental | 9,384.83 |

## 01 22 23 00-1323 Oil/Gas Fired Boilers *(01 22 23 00-1313)*

| | | | |
|---|---|---|---|
| 01 22 23 00-1324 | MO | Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental | 2,526.50 |
| 01 22 23 00-1325 | MO | >100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental | 3,284.45 |
| 01 22 23 00-1326 | MO | >250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental | 5,305.65 |
| 01 22 23 00-1327 | MO | >500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental | 7,326.85 |

## 01 22 23 00-1328 Oil Fired Boilers *(01 22 23 00-1313)*

| | | | |
|---|---|---|---|
| 01 22 23 00-1329 | MO | 250 HP Oil Fired Boiler Rental | 8,053.54 |
| 01 22 23 00-1330 | MO | 350 HP Oil Fired Boiler Rental | 10,738.06 |
| 01 22 23 00-1331 | MO | 500 HP Oil Fired Boiler Rental | 13,422.57 |
| 01 22 23 00-1332 | MO | 600 HP Oil Fired Boiler Rental | 14,764.83 |

## 01 22 23 00-1333 Boilers Setup *(01 22 23 00-1313)*

| | | | |
|---|---|---|---|
| 01 22 23 00-1334 | EA | Setup Rental Boiler<br>Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane. | 8,007.46 |

## 01 22 23 00-1335 Chillers *(01 22 23 00-1312)*

Note: Excludes operator, delivery, set-up, and removal.

## 01 22 23 00-1336 Air-Cooled Chillers *(01 22 23 00-1335)*

| | | | |
|---|---|---|---|
| 01 22 23 00-1337 | MO | 25 Ton Air-Cooled Chiller Rental | 2,542.48 |
| | | *For >3 To 6 Month Rental, Deduct* | *-381.37* |
| | | *For >6 Months (>26 Weeks), Deduct* | *-635.62* |
| 01 22 23 00-1338 | MO | 40 Ton Air-Cooled Chiller Rental | 4,067.98 |
| | | *For >3 To 6 Month Rental, Deduct* | *-610.20* |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,017.00* |
| 01 22 23 00-1339 | MO | 60 Ton Air-Cooled Chiller Rental | 4,975.60 |
| | | *For >3 To 6 Month Rental, Deduct* | *-746.34* |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,243.90* |
| 01 22 23 00-1340 | MO | 80 Ton Air-Cooled Chiller Rental | 5,883.22 |
| | | *For >3 To 6 Month Rental, Deduct* | *-882.48* |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,470.81* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1341 | MO | 100 Ton Air-Cooled Chiller Rental | 6,790.84 | |
| | | *For >3 To 6 Month Rental, Deduct* | *-1,018.63* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,697.71* | |
| 01 22 23 00-1342 | MO | 125 Ton Air-Cooled Chiller Rental | 7,867.32 | |
| | | *For >3 To 6 Month Rental, Deduct* | *-1,180.10* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,966.83* | |
| 01 22 23 00-1343 | MO | 155 Ton Air-Cooled Chiller Rental | 9,517.53 | |
| | | *For >3 To 6 Month Rental, Deduct* | *-1,427.63* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2,379.38* | |
| 01 22 23 00-1344 | MO | 170 Ton Air-Cooled Chiller Rental | 10,177.62 | |
| | | *For >3 To 6 Month Rental, Deduct* | *-1,526.64* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2,544.41* | |
| 01 22 23 00-1345 | MO | 200 Ton Air-Cooled Chiller Rental | 11,691.60 | |
| | | *For >3 To 6 Month Rental, Deduct* | *-1,753.74* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2,922.90* | |
| 01 22 23 00-1346 | MO | 250 Ton Air-Cooled Chiller Rental | 13,911.73 | |
| | | *For >3 To 6 Month Rental, Deduct* | *-2,086.76* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-3,477.93* | |
| 01 22 23 00-1347 | MO | 300 Ton Air-Cooled Chiller Rental<br>Note: Includes trailer. | 16,233.54 | |
| | | *For >3 To 6 Month Rental, Deduct* | *-2,435.03* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-4,058.39* | |
| 01 22 23 00-1348 | MO | 400 Ton Air-Cooled Chiller Rental<br>Note: Includes trailer, pump and 200' of 6" hose. | 21,414.46 | |
| | | *For >3 To 6 Month Rental, Deduct* | *-3,212.17* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-5,353.62* | |
| 01 22 23 00-1349 | MO | 500 Ton Air-Cooled Chiller Rental<br>Note: Includes trailer, pump and 200' of 6" hose. | 26,507.11 | |
| | | *For >3 To 6 Month Rental, Deduct* | *-3,976.07* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-6,626.78* | |
| 01 22 23 00-1350 | EA | Setup Air-Cooled Chiller Rental Unit<br>Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded. | 5,566.16 | |

## 01 22 23 00-1351 Chiller Rental Accessories *(01 22 23 00-1335)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1352 | MO | 4" x 25' Flexible Water Hose For Chiller Rental | 45.30 | |
| 01 22 23 00-1353 | MO | 6" x 25' Flexible Water Hose For Chiller Rental | 56.63 | |

## 01 22 23 00-1354 Cooling Tower *(01 22 23 00-1312)*

Note: Excludes operator, delivery, set-up, and removal.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1355 | MO | 100 Ton Cooling Tower Rental | 3,688.22 | |
| | | *For >3 To 6 Months Rental, Deduct* | *-553.23* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-922.06* | |
| 01 22 23 00-1356 | MO | 200 Ton Cooling Tower Rental | 6,714.00 | |
| | | *For >3 To 6 Months Rental, Deduct* | *-1,007.10* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,678.50* | |
| 01 22 23 00-1357 | MO | 250 Ton Cooling Tower Rental | 7,603.29 | |
| | | *For >3 To 6 Months Rental, Deduct* | *-1,140.49* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-1,900.82* | |
| 01 22 23 00-1358 | MO | 300 Ton Cooling Tower Rental | 8,593.92 | |
| | | *For >3 To 6 Months Rental, Deduct* | *-1,289.09* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2,148.48* | |
| 01 22 23 00-1359 | MO | 400 Ton Cooling Tower Rental | 10,742.40 | |
| | | *For >3 To 6 Months Rental, Deduct* | *-1,611.36* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-2,685.60* | |
| 01 22 23 00-1360 | MO | 500 Ton Cooling Tower Rental | 12,559.71 | |
| | | *For >3 To 6 Months Rental, Deduct* | *-1,883.96* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-3,139.93* | |
| 01 22 23 00-1361 | MO | Setup Rental Cooling Tower<br>Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane. | 5,566.16 | |

## 01 22 23 00-1362 Emergency Cooler/Freezer *(01 22 23 00-1312)*

Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1363 | DAY | 8 x 6 x 7 Emergency Cooler Rental | 147.35 | |
| | | *For Half Day Usage, Deduct* | *-46.05* | |
| 01 22 23 00-1364 | WK | 8 x 6 x 7 Emergency Cooler Rental | 785.88 | |
| 01 22 23 00-1365 | DAY | 10 x 7 x 7 Emergency Cooler Rental | 294.70 | |
| | | *For Half Day Usage, Deduct* | *-92.09* | |
| 01 22 23 00-1366 | WK | 10 x 7 x 7 Emergency Cooler Rental | 1,178.82 | |
| 01 22 23 00-1367 | MO | 10 x 7 x 7 Emergency Cooler Rental | 2,947.05 | |
| 01 22 23 00-1368 | DAY | 10 x 7 x 7 Emergency Freezer Rental | 343.82 | |
| | | *For Half Day Usage, Deduct* | *-107.44* | |
| 01 22 23 00-1369 | WK | 10 x 7 x 7 Emergency Freezer Rental | 1,375.29 | |
| 01 22 23 00-1370 | MO | 10 x 7 x 7 Emergency Freezer Rental | 3,536.46 | |
| 01 22 23 00-1371 | DAY | 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental | 392.94 | |
| | | *For Half Day Usage, Deduct* | *-122.79* | |
| 01 22 23 00-1372 | WK | 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental | 1,571.76 | |
| 01 22 23 00-1373 | MO | 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental | 3,929.40 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **01 22 23 00-1374** | | **Fuel Oil Tank** *(01 22 23 00-1312)*<br>Note: Excludes delivery to job site and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0824 for reimbursable fuel fees. | | |
| 01 22 23 00-1375 | MO | 100 Gallon Portable Double Wall Fuel Oil Tank Rental | 396.94 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-15.88* | |
| 01 22 23 00-1376 | MO | 275 Gallon Portable Double Wall Fuel Oil Tank Rental | 617.46 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-24.70* | |
| 01 22 23 00-1377 | MO | 500 Gallon Portable Double Wall Fuel Oil Tank Rental | 1,543.66 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-61.75* | |
| 01 22 23 00-1378 | MO | 1,000 Gallon Portable Double Wall Fuel Oil Tank Rental | 2,572.76 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-102.91* | |
| 01 22 23 00-1379 | MO | 2,300 Gallon Portable Double Wall Fuel Oil Tank Rental | 3,396.05 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-135.84* | |
| 01 22 23 00-1380 | MO | 5,000 Gallon Portable Double Wall Fuel Oil Tank Rental | 6,066.82 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-242.67* | |
| **01 22 23 00-1381** | | **Portable Spot Cooling Units** *(01 22 23 00-1312)*<br>Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal. | | |
| 01 22 23 00-1382 | DAY | 1 Ton Portable Spot Cooling Unit | 185.80 | |
| | | *For Half Day Usage, Deduct* | *-58.06* | |
| 01 22 23 00-1383 | WK | 1 Ton Portable Spot Cooling Unit | 402.56 | |
| 01 22 23 00-1384 | MO | 1 Ton Portable Spot Cooling Unit | 951.61 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-38.06* | |
| 01 22 23 00-1385 | DAY | 1.5 Ton Portable Spot Cooling Unit | 242.96 | |
| | | *For Half Day Usage, Deduct* | *-75.93* | |
| 01 22 23 00-1386 | WK | 1.5 Ton Portable Spot Cooling Unit | 499.03 | |
| 01 22 23 00-1387 | MO | 1.5 Ton Portable Spot Cooling Unit | 1,170.75 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-46.83* | |
| 01 22 23 00-1388 | DAY | 2 Ton Portable Spot Cooling Unit | 327.52 | |
| | | *For Half Day Usage, Deduct* | *-102.35* | |
| 01 22 23 00-1389 | WK | 2 Ton Portable Spot Cooling Unit | 684.82 | |
| 01 22 23 00-1390 | MO | 2 Ton Portable Spot Cooling Unit | 1,268.42 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-50.74* | |
| 01 22 23 00-1391 | DAY | 3 Ton Portable Spot Cooling Unit | 343.01 | |
| | | *For Half Day Usage, Deduct* | *-107.19* | |
| 01 22 23 00-1392 | WK | 3 Ton Portable Spot Cooling Unit | 726.51 | |
| 01 22 23 00-1393 | MO | 3 Ton Portable Spot Cooling Unit | 1,605.47 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-64.22* | |
| 01 22 23 00-1394 | DAY | 5 Ton Portable Spot Cooling Unit | 535.95 | |
| | | *For Half Day Usage, Deduct* | *-167.48* | |
| 01 22 23 00-1395 | WK | 5 Ton Portable Spot Cooling Unit | 1,083.81 | |
| 01 22 23 00-1396 | MO | 5 Ton Portable Spot Cooling Unit | 2,252.18 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-90.09* | |
| 01 22 23 00-1397 | DAY | 10 To 12 Ton Portable Spot Cooling Unit | 700.31 | |
| | | *For Half Day Usage, Deduct* | *-218.85* | |
| 01 22 23 00-1398 | WK | 10 To 12 Ton Portable Spot Cooling Unit | 1,578.08 | |
| 01 22 23 00-1399 | MO | 10 To 12 Ton Portable Spot Cooling Unit | 3,808.82 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-152.35* | |
| 01 22 23 00-1400 | DAY | 20 Ton Portable Spot Cooling Unit | 803.92 | |
| | | *For Half Day Usage, Deduct* | *-251.23* | |
| 01 22 23 00-1401 | WK | 20 Ton Portable Spot Cooling Unit | 1,846.05 | |
| 01 22 23 00-1402 | MO | 20 Ton Portable Spot Cooling Unit | 5,145.12 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-205.80* | |
| 01 22 23 00-1403 | DAY | 25 Ton Portable Spot Cooling Unit | 1,143.36 | |
| | | *For Half Day Usage, Deduct* | *-357.30* | |
| 01 22 23 00-1404 | WK | 25 Ton Portable Spot Cooling Unit | 2,316.50 | |
| 01 22 23 00-1405 | MO | 25 Ton Portable Spot Cooling Unit | 5,389.28 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-215.57* | |
| 01 22 23 00-1406 | EA | Setup Rental Of Up To 5 Ton Portable Spot Cooler<br>Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring. | 278.89 | |
| 01 22 23 00-1407 | EA | Setup Rental Of 10 To 15 Ton Portable Spot Cooler<br>Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring. | 637.46 | |
| 01 22 23 00-1408 | EA | Setup Rental Of 20 To 25 Ton Portable Spot Cooler<br>Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring. | 923.06 | |
| **01 22 23 00-1409** | | **Truck And Trailer Equipment** *(01 22 23)*<br>Note: For Standby time or where vehicle will be sitting for long periods of time before hauling. | | |
| **01 22 23 00-1410** | | **Trucks** *(01 22 23 00-1409)*<br>Note: Includes driver, delivery to job site and pick-up when complete. | | |
| **01 22 23 00-1411** | | **Flat Bed Trucks** *(01 22 23 00-1410)*<br>Note: Includes hydraulic tilt bed. | | |
| 01 22 23 00-1412 | DAY | 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver | 1,059.18 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-474.50* | |
| 01 22 23 00-1413 | WK | 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver | 4,597.07 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1414 | MO | 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver | 18,528.29 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-77.82* | |
| 01 22 23 00-1415 | DAY | 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver | 1,186.23 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-514.20* | |
| 01 22 23 00-1416 | WK | 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver | 4,922.65 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-1417 | MO | 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver | 19,362.10 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-111.17* | |
| 01 22 23 00-1418 | DAY | 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver | 1,277.40 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-542.69* | |
| 01 22 23 00-1419 | WK | 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver | 5,271.10 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-1420 | MO | 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver | 20,688.25 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-164.22* | |

## 01 22 23 00-1421 Light Off-Road Utility Passenger Vehicles *(01 22 23 00-1410)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1422 | DAY | 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle | 309.84 | |
| | | *For Half Day Usage, Deduct* | *-96.83* | |
| 01 22 23 00-1423 | WK | 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle | 716.50 | |
| 01 22 23 00-1424 | MO | 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle | 1,549.20 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-61.97* | |
| 01 22 23 00-1425 | DAY | 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle | 319.52 | |
| | | *For Half Day Usage, Deduct* | *-99.85* | |
| 01 22 23 00-1426 | WK | 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle | 745.55 | |
| 01 22 23 00-1427 | MO | 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle | 1,646.02 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-65.84* | |

## 01 22 23 00-1428 Light And Heavy Duty Trucks *(01 22 23 00-1410)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1429 | DAY | 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver | 1,068.62 | |
| | | *For Equipment Without Operator, Deduct* | *-760.81* | |
| | | *For Half Day Usage, Deduct* | *-476.60* | |
| 01 22 23 00-1430 | WK | 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver | 4,814.03 | |
| | | *For Equipment Without Operator, Deduct* | *-3,804.03* | |
| 01 22 23 00-1431 | MO | 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver | 18,600.30 | |
| | | *For Equipment Without Operator, Deduct* | *-16,484.12* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-84.65* | |
| 01 22 23 00-1432 | DAY | 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver | 1,126.33 | |
| | | *For Equipment Without Operator, Deduct* | *-760.81* | |
| | | *For Half Day Usage, Deduct* | *-494.63* | |
| 01 22 23 00-1433 | WK | 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver | 4,987.17 | |
| | | *For Equipment Without Operator, Deduct* | *-3,804.03* | |
| 01 22 23 00-1434 | MO | 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver | 18,985.06 | |
| | | *For Equipment Without Operator, Deduct* | *-16,484.12* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-100.04* | |

## 01 22 23 00-1435 Rear Dump Trucks *(01 22 23 00-1410)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1436 | DAY | 2.5 CY Rear Dump Truck With Full-Time Truck Driver | 1,132.50 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-497.41* | |
| 01 22 23 00-1437 | WK | 2.5 CY Rear Dump Truck With Full-Time Truck Driver | 4,796.51 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-1438 | MO | 2.5 CY Rear Dump Truck With Full-Time Truck Driver | 19,551.76 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-118.76* | |
| 01 22 23 00-1439 | DAY | 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver | 1,254.21 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-535.45* | |
| 01 22 23 00-1440 | WK | 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver | 5,173.62 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-1441 | MO | 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver | 20,074.53 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-139.67* | |
| 01 22 23 00-1442 | DAY | 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver | 1,324.04 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-557.27* | |
| 01 22 23 00-1443 | WK | 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver | 5,323.27 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-1444 | MO | 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver | 20,174.29 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-143.66* | |
| 01 22 23 00-1445 | DAY | 12 To 14 CY Rear Dump Truck With Full-Time Truck Driver | 2,152.09 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-816.03* | |
| 01 22 23 00-1446 | WK | 12 To 14 CY Rear Dump Truck With Full-Time Truck Driver | 7,029.25 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1447 | MO | 12 To 14 CY Rear Dump Truck With Full-Time Truck Driver | 24,963.01 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-335.21* | |
| 01 22 23 00-1448 | DAY | 18 CY Rear Dump Truck With Full-Time Truck Driver | 2,290.77 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-859.37* | |
| 01 22 23 00-1449 | WK | 18 CY Rear Dump Truck With Full-Time Truck Driver | 7,349.49 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-1450 | MO | 18 CY Rear Dump Truck With Full-Time Truck Driver | 25,801.04 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-368.73* | |

## 01 22 23 00-1451 Vacuum Trucks *(01 22 23 00-1410)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1452 | DAY | 5,000 Gallon Vacuum Truck With Full-Time Truck Driver | 2,142.12 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-812.92* | |
| 01 22 23 00-1453 | WK | 5,000 Gallon Vacuum Truck With Full-Time Truck Driver | 7,973.02 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-1454 | MO | 5,000 Gallon Vacuum Truck With Full-Time Truck Driver | 28,817.93 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-489.41* | |

## 01 22 23 00-1455 Water Trucks *(01 22 23 00-1410)*

Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1202 for additional discharge hose, 01 22 23 00-1480 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1456 | DAY | 2,000 Gallon Water Truck With Full-Time Driver | 1,414.26 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Each 1,000 Gallon Of Purchased Water, Add* | *14.94* | |
| | | *For Half Day Usage, Deduct* | *-585.46* | |
| 01 22 23 00-1457 | WK | 2,000 Gallon Water Truck With Full-Time Driver | 5,535.56 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| | | *For Each 1,000 Gallon Of Purchased Water, Add* | *14.94* | |
| 01 22 23 00-1458 | MO | 2,000 Gallon Water Truck With Full-Time Driver | 20,620.35 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For Each 1,000 Gallon Of Purchased Water, Add* | *14.94* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-161.50* | |
| 01 22 23 00-1459 | DAY | 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver | 1,731.50 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Each 1,000 Gallon Of Purchased Water, Add* | *14.94* | |
| | | *For Half Day Usage, Deduct* | *-684.60* | |
| 01 22 23 00-1460 | WK | 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver | 6,487.28 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| | | *For Each 1,000 Gallon Of Purchased Water, Add* | *14.94* | |
| 01 22 23 00-1461 | MO | 3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver | 23,071.75 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For Each 1,000 Gallon Of Purchased Water, Add* | *14.94* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-259.56* | |

## 01 22 23 00-1462 Asphalt Distribution Trucks *(01 22 23 00-1410)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1463 | DAY | 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver | 2,126.45 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-808.02* | |
| 01 22 23 00-1464 | WK | 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver | 7,892.58 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-1465 | MO | 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver | 28,602.25 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-480.78* | |

## 01 22 23 00-1466 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board *(01 22 23 00-1410)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1467 | DAY | Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver | 1,506.22 | |
| | | *For Equipment Without Operator, Deduct* | *-760.81* | |
| | | *For Half Day Usage, Deduct* | *-613.35* | |
| 01 22 23 00-1468 | WK | Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver | 6,003.95 | |
| | | *For Equipment Without Operator, Deduct* | *-3,804.03* | |
| 01 22 23 00-1469 | MO | Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver | 21,826.55 | |
| | | *For Equipment Without Operator, Deduct* | *-16,484.12* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-213.70* | |

## 01 22 23 00-1470 Straight/Box Trucks *(01 22 23 00-1410)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1471 | DAY | 18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver<br>Note: Includes 2,500 Lb. lift gate. | 890.83 | |
| | | *For Equipment Without Operator, Deduct* | *-765.36* | |
| | | *For Half Day Usage, Deduct* | *-421.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 22 23 00-1472 | WK | 18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver<br>Note: Includes 2,500 Lb. lift gate. | 4,454.13 | |
| | | *For Equipment Without Operator, Deduct* | *-3,826.79* | |
| 01 22 23 00-1473 | MO | 18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver<br>Note: Includes 2,500 Lb. lift gate. | 18,434.59 | |
| | | *For Equipment Without Operator, Deduct* | *-16,582.75* | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-74.07* | |

### 01 22 23 00-1474 Truck Mounted Accessories *(01 22 23 00-1409)*
Note: Includes delivery to job site and pick-up when complete.

### 01 22 23 00-1475 Truck Mounted Arrow Boards *(01 22 23 00-1474)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1476 | DAY | Truck Mounted Arrow Board | 55.92 | |
| | | *For Half Day Usage, Deduct* | *-17.48* | |
| 01 22 23 00-1477 | WK | Truck Mounted Arrow Board | 222.39 | |
| 01 22 23 00-1478 | MO | Truck Mounted Arrow Board | 792.98 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-31.72* | |

### 01 22 23 00-1479 Trailers *(01 22 23 00-1409)*
Note: Includes delivery to job site and pick-up when complete.

### 01 22 23 00-1480 Water Trailers With Pump *(01 22 23 00-1479)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1481 | DAY | 500 To 600 Gallon Water Trailer With Pump | 165.83 | |
| | | *For Half Day Usage, Deduct* | *-51.82* | |
| 01 22 23 00-1482 | WK | 500 To 600 Gallon Water Trailer With Pump | 425.39 | |
| 01 22 23 00-1483 | MO | 500 To 600 Gallon Water Trailer With Pump | 1,139.18 | |
| | | *For >6 Months (>26 Weeks), Deduct* | *-45.57* | |

### 01 22 23 00-1484 Refrigerated Trailers *(01 22 23 00-1479)*
Note: Excludes electrical supply and connection

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1485 | MO | 8' x 40' Refrigerated Container Trailer<br>Note: Requires 460 volt, 3 phase electrcial power connection. See CSI section 10 56 13 00-0000 for metal storage shelving, 26 05 00 00-0000 for electrical wiring. | 2,160.36 | |

### 01 22 23 00-1486 Personnel And Material Hoists *(01 22 23)*

| | | | | |
|---|---|---|---|---|
| 01 22 23 00-1487 | MO | 6,000 LBS Capacity Car (travel speed 300 fpm), 180' Overall Height, 12 Stops/1 Roof Stop, Personnel And Material Hoist<br>Note: Includes mast base and enclosure, cable guides, cable trolley and 36 vertical mast sections | 12,886.44 | |
| 01 22 23 00-1488 | MO | 7,100 LBS Capacity Car (travel speed 175 fpm), 180' Overall Height, 12 Stops/1 Roof Stop, Personnel And Material Hoist<br>Note: Includes mast base and enclosure, cable guides, cable trolley and 36 vertical mast sections | 15,314.32 | |
| 01 22 23 00-1489 | MO | Maintenance And Repair For Personnel And Material Hoist | 2,217.78 | |
| 01 22 23 00-1490 | MO | Elevator Intercom Rentals For Personnel And Material Hoist, Each Car | 700.35 | |
| 01 22 23 00-1491 | HR | Operator For Personnel And Material Hoist | 123.74 | |
| 01 22 23 00-1492 | EA | Horizontial Mast Tie For Personnel And Material Hoist<br>Note: 6 Required | 718.60 | |
| 01 22 23 00-1493 | EA | Mobilization and set up Personnel And Material Hoist<br>Note: Excludes crane See CSI section 01 22 23 00-0969 for hydraulic cranes. | 36,584.58 | |
| 01 22 23 00-1494 | EA | Demobilization and Dismantle Personnel And Material Hoist<br>Note: Excludes crane See CSI section 01 22 23 00-0969 for hydraulic cranes. | 26,044.00 | |
| 01 22 23 00-1495 | EA | Floor Stop Platforms And Doors For Personnel And Material Hoist | 1,322.21 | |
| 01 22 23 00-1496 | EA | Roof Stop Platform And Doors For Personnel And Material Hoist | 1,510.43 | |
| 01 22 23 00-1497 | EA | 12' x 12' x 2' Depth, Concrete Foundation And Removal For Personnel And Material Hoist | 14,126.39 | |
| 01 22 23 00-1498 | EA | 8' x 12' Custom Deck And Ramp For Personnel And Material Hoist | 8,805.66 | |
| 01 22 23 00-1499 | EA | Engineering For Personnel And Material Hoist<br>Note: Includes wind loads calcs/vertical load calcs/horiz. load calcs | 5,322.66 | |
| 01 22 23 00-1500 | EA | State and Local inspections/Testing Rquirements (drop tests) For Personnel And Material Hoist | 5,416.04 | |
| 01 22 23 00-1501 | EA | OSHA Certification & Inspection For Personnel And Material Hoist | 2,801.40 | |
| 01 22 23 00-1502 | EA | 480 Volt, 3-Phase, 100-190 Amperes, Electrical Transfer Switch / Disconnect Panel With Breakers For Personnel And Material Hoist<br>Note: If fed from generator See CSI section 01 22 23 00-0685 for generators. | 10,339.13 | |

# 01 30 Administrative Requirements *(01)*

## 01 35 Special Procedures *(01 30)*

### 01 35 29 Health, Safety, and Emergency Response Procedures *(01 35)*
See CSI section 02 90 00 00-0000 for disaster recovery task.

### 01 35 29 00-0001 Emergency Response *(01 35 29)*
See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0062 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0030 for container usage.

| | | | | |
|---|---|---|---|---|
| 01 35 29 00-0002 | MI | Trucking Delivery Of 20' Shipping Container | 2.70 | |
| 01 35 29 00-0003 | MI | Trucking Delivery Of 40' Shipping Container | 5.40 | |

### 01 35 33 Infection Control Procedures *(01 35)*
See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

# 01 40 Quality Requirements *(01)*

## 01 41 Regulatory Requirements *(01 40)*

### 01 41 26 Permit Requirements *(01 41)*

See CSI section 01 22 16 00-0001 for reimbursable fees.

## 01 42 References *(01 40)*

### 01 42 13 Abbreviations and Acronyms *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001 NTE Abbreviations And Acronyms ..... 0.00
Note: For specification publishing. Review specifications for requirements.

### 01 42 16 Definitions *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001 NTE Definitions ..... 0.00
Note: For specification publishing. Review specifications for requirements.

### 01 42 19 Reference Standards *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001 NTE Reference Standards ..... 0.00
Note: For specification publishing. Review specifications for requirements.

### 01 42 21 Construction Suppliers or Venor List *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001 NTE Construction Suppliers or Venor List ..... 0.00
Note: For specification publishing. Review specifications for requirements.

## 01 43 Quality Assurance *(01 40)*

### 01 43 39 Mockups *(01 43)*

#### 01 43 39 00-0001 Story Pole Installation *(01 43 39)*

01 43 39 00-0002 EA Story Pole Installation, Per 15' Pole ..... 222.70
Note: Includes installation of story poles with flag rope and removal of story poles following completion. One mobilization for installation of all poles / One mobilization for removal of all poles. Story Poles shall be braced at the base by use of guy wires or supporting beams. Guy wires shall be flagged for safety. 1) Story poles will require attachment to existing structures, fences, landscaping or other site improvements. a) No repairs, waterproofing or patching to existing structures, fences, landscaping other site improvements are included prior to or during the installation or after removal of materials from the site. b) Existing structures and sites must be in a safe working condition. If unsafe or dangerous conditions are present, poles will not be installed in these areas. c) Marking paint will be used at story pole locations. d) Prior to the crew's arrival: If attachments are not to be made to any site items or protected trees, these must be clearly marked on the plans and on site by the Owner. Vacant parcels to have property boundaries marked. 2) Site to be free of brush, foliage, poisonous plants, pools, vehicles and power lines in areas where story poles are to be installed prior to crew's arrival on site. a) Foliage to be trimmed back 3' on either side of stringline and clear from existing grade to stringline height. b) If lines cannot be connected through the existing trees or foliage, lines will be strung under the obstructions or poles will be installed with a single flag on top without connecting string lines. 3) Existing parking spaces, walkways and building access may need to be closed to pedestrians and vehicles prior to or for the duration of the installation. Owner responsible for providing, protecting and maintaining closure of these areas. 4) If Owner or hiring party is providing survey work: Poles will only be placed on stakes placed by surveyor prior to installation at each pole location with fill heights (pole heights) provided on each stake. Staking plans and cut sheets to be provided by the Owner/Surveyor, prior to crew's mobilization. Surveyor to stake on existing structures-No offset stakes.

01 43 39 00-0003 EA Story Pole Installation, Per 24' Pole ..... 279.31
Note: Includes installation of story poles with flag rope and removal of story poles following completion. One mobilization for installation of all poles / One mobilization for removal of all poles. Story Poles shall be braced at the base by use of guy wires or supporting beams. Guy wires shall be flagged for safety. 1) Story poles will require attachment to existing structures, fences, landscaping or other site improvements. a) No repairs, waterproofing or patching to existing structures, fences, landscaping other site improvements are included prior to or during the installation or after removal of materials from the site. b) Existing structures and sites must be in a safe working condition. If unsafe or dangerous conditions are present, poles will not be installed in these areas. c) Marking paint will be used at story pole locations. d) Prior to the crew's arrival: If attachments are not to be made to any site items or protected trees, these must be clearly marked on the plans and on site by the Owner. Vacant parcels to have property boundaries marked. 2) Site to be free of brush, foliage, poisonous plants, pools, vehicles and power lines in areas where story poles are to be installed prior to crew's arrival on site. a) Foliage to be trimmed back 3' on either side of stringline and clear from existing grade to stringline height. b) If lines cannot be connected through the existing trees or foliage, lines will be strung under the obstructions or poles will be installed with a single flag on top without connecting string lines. 3) Existing parking spaces, walkways and building access may need to be closed to pedestrians and vehicles prior to or for the duration of the installation. Owner responsible for providing, protecting and maintaining closure of these areas. 4) If Owner or hiring party is providing survey work: Poles will only be placed on stakes placed by surveyor prior to installation at each pole location with fill heights (pole heights) provided on each stake. Staking plans and cut sheets to be provided by the Owner/Surveyor, prior to crew's mobilization. Surveyor to stake on existing structures-No offset stakes.

01 43 39 00-0004 EA Maintenance Of Story Poles, Per Pole, Per Month ..... 246.67
Note: Maintenance excludes damage by vandalism, extreme weather and modifications/ damages by anyone or any party that is not authorized to modify the story poles.

## 01 45 Quality Control *(01 40)*


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

Note: Refer to section specifications for testing included with other sections.

## 01 45 23 Testing and Inspecting Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

### 01 45 23 00-0001 Soils/Aggregate Testing *(01 45 23)*

### 01 45 23 00-0002 Field Soils Tests *(01 45 23 00-0001)*

| | | | |
|---|---|---|---|
| 01 45 23 00-0003 | EA | Plasticity Index Soils Test, ASTM D-4318, Field Soils Test | 353.86 |
| 01 45 23 00-0004 | EA | 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test | 502.26 |
| 01 45 23 00-0005 | EA | 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test | 570.75 |
| 01 45 23 00-0006 | EA | Resistance (R) Value Soils Test, CA 301, Field Soils Test | 456.60 |
| 01 45 23 00-0007 | EA | Soils Classification Test, ASTM D-2487, Field Soils Test | 684.90 |
| 01 45 23 00-0008 | SET | Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test | 1,369.34 |
| 01 45 23 00-0009 | EA | Moisture Content, Field Soils Test | 51.35 |
| 01 45 23 00-0010 | EA | UBC Or Swell Test, Field Soils Test | 136.98 |
| 01 45 23 00-0011 | EA | Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test | 342.33 |
| 01 45 23 00-0012 | EA | Proctor Compaction 6" Standard Mold, Field Soils Test | 427.92 |
| 01 45 23 00-0013 | EA | Density And Classification Test, Field Soils Test | 104.27 |
| 01 45 23 00-0014 | EA | Percolation Test, Field Soils Test | 260.67 |
| 01 45 23 00-0015 | EA | Infiltration Test, Field Soils Test | 521.35 |

### 01 45 23 00-0016 Aggregate Testing *(01 45 23 00-0001)*

| | | | |
|---|---|---|---|
| 01 45 23 00-0017 | EA | Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202 | 114.15 |
| 01 45 23 00-0018 | EA | Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202 | 205.47 |
| 01 45 23 00-0019 | EA | Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202 | 285.38 |
| 01 45 23 00-0020 | EA | Sieve Analysis, Pit Run, ASTM C136<br>Note: Includes wash. | 169.44 |
| 01 45 23 00-0021 | EA | Specific Special Gravity, Course, ASTM C127<br>Note: Includes absorption test. | 181.37 |
| 01 45 23 00-0022 | EA | Special Gravity, Fine, ASTM C127<br>Note: Includes absorption test. | 162.61 |
| 01 45 23 00-0023 | EA | Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128 | 241.83 |
| 01 45 23 00-0024 | EA | Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128 | 228.30 |
| 01 45 23 00-0025 | EA | Aggregate Cleanness Value, ASTM C-128, CA 227 | 228.30 |
| 01 45 23 00-0026 | EA | Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217 | 171.22 |
| 01 45 23 00-0027 | EA | Fine Aggregate Durability Index, CA 229 | 182.64 |
| 01 45 23 00-0028 | EA | Sodium And Magnesium Soundness, ASTM C88 | 479.27 |
| 01 45 23 00-0029 | EA | Los Angeles Rattler, ASTM C-131, CA 211 | 365.28 |
| 01 45 23 00-0030 | EA | Los Angeles Rattler, ASTM C-535 | 365.28 |
| 01 45 23 00-0031 | EA | Unit Weight Of Aggregates, ASTM C29 | 102.74 |
| 01 45 23 00-0032 | EA | Organic Impurities In Sand, ASTM C40 | 102.70 |
| 01 45 23 00-0033 | EA | Crushed Particle, ASTM California Test Method | 102.70 |
| 01 45 23 00-0034 | EA | Clay Lump And Friable Particles, ASTM C142 | 205.40 |

### 01 45 23 00-0035 Permeability Tests *(01 45 23 00-0001)*

### 01 45 23 00-0036 In-Place Tests *(01 45 23 00-0035)*

| | | | |
|---|---|---|---|
| 01 45 23 00-0037 | EA | Double Ring Infiltrometer Test, ASTM D3385 | 1,813.72 |
| 01 45 23 00-0038 | EA | Unconfined Compressive Strength (Pocket Penetrometer) Test | 85.58 |

### 01 45 23 00-0039 Lab Tests *(01 45 23 00-0035)*

| | | | |
|---|---|---|---|
| 01 45 23 00-0040 | EA | Falling Head Rigid Wall Consolidometer Technique CAE | 846.40 |
| 01 45 23 00-0041 | EA | Falling Head Permeability Test EPA-9100 | 846.40 |
| 01 45 23 00-0042 | EA | Constant Head Permeability Test For Granular Soils, ASTM D2432 | 483.66 |

### 01 45 23 00-0043 Concrete/Cement/Asphalt Testing *(01 45 23)*

### 01 45 23 00-0044 Concrete Testing *(01 45 23 00-0043)*

| | | | |
|---|---|---|---|
| 01 45 23 00-0045 | EA | Prepare 6 x 12 Concrete Cylinder And Deliver To Lab | 25.13 |
| 01 45 23 00-0046 | EA | 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633 | 72.55 |
| 01 45 23 00-0047 | EA | Concrete Cores Compression Test, ASTM C-42 | 148.40 |
| 01 45 23 00-0048 | EA | 6 x 6 x 18 Concrete Flexural Test, ASTM C-78 | 216.88 |
| 01 45 23 00-0049 | EA | Unit Weight Of Concrete Cylinder, ASTM C-567 | 79.90 |
| 01 45 23 00-0050 | EA | Concrete Mix Design Review | 433.77 |
| 01 45 23 00-0051 | EA | Trial Concrete Batch Prepared In Laboratory | 1,027.35 |
| 01 45 23 00-0052 | EA | Concrete Shrinkage, ASTM C-157 Modified | 799.05 |
| 01 45 23 00-0053 | EA | 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496 | 123.28 |
| 01 45 23 00-0054 | EA | Concrete Slump Test, ASTM C143 | 57.08 |
| 01 45 23 00-0055 | EA | Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231 | 57.08 |

### 01 45 23 00-0056 Cement Testing *(01 45 23 00-0043)*

| | | | |
|---|---|---|---|
| 01 45 23 00-0057 | EA | Cement Grab Sample (CCR Title 24)<br>Note: Includes sealing and storing 1 year. | 57.08 |
| 01 45 23 00-0058 | EA | 2" x 2" x 2" Cube Compression Test, All Type Materials | 91.32 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 45 23 00-0059 | | Asphaltic Concrete Testing *(01 45 23 00-0043)* | | |
| 01 45 23 00-0060 | EA | Hveem Asphaltic Concrete Stability Test, CA 366 | 114.15 | |
| 01 45 23 00-0061 | EA | Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927 | 296.79 | |
| 01 45 23 00-0062 | EA | Stability Tests, Premixed, ASTM D1559 | 114.15 | |
| 01 45 23 00-0063 | EA | Stability Tests, Lab. Mixed, ASTM D1559 | 296.79 | |
| 01 45 23 00-0064 | EA | Swell Test, CA 305 | 136.98 | |
| | | Note: Includes compaction. | | |
| 01 45 23 00-0065 | EA | % Asphalt Extraction Test, ASTM D-2172 B | 342.45 | |
| 01 45 23 00-0066 | EA | Gradation On Extracted Sample, ASTM D-5444 | 228.30 | |
| 01 45 23 00-0067 | EA | Maximum Theoretical Unit Weight, ASTM C2041 | 217.65 | |
| 01 45 23 00-0068 | EA | Unit Weight Sample Requiring Compaction, California Test Method 308 | 45.66 | |
| 01 45 23 00-0069 | EA | Asphalt Unit Weight On Core Test, CA 308C | 45.66 | |
| 01 45 23 00-0070 | HR | Nuclear Field Density Testing, 4 Hour Minimum | 235.15 | |
| 01 45 23 00-0071 | EA | Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664 | 117.30 | |
| 01 45 23 00-0072 | EA | Penetration, ASTM D5 | 164.90 | |
| 01 45 23 00-0073 | | Masonry/Concrete Block/Tile Testing *(01 45 23)* | | |
| 01 45 23 00-0074 | | Masonry Testing *(01 45 23 00-0073)* | | |
| 01 45 23 00-0075 | EA | 2" x 4" Cylinder Mortar Compression Test | 75.34 | |
| 01 45 23 00-0076 | EA | 4" x 4" x 8" Grout Prisms Compression Test | 75.34 | |
| 01 45 23 00-0077 | EA | Masonry Cores Compression Test | 148.40 | |
| 01 45 23 00-0078 | EA | Composite Grouted Prism Compression Test | 285.38 | |
| 01 45 23 00-0079 | | Concrete Block Testing (ASTM C140 Or CMA Per Specimen) *(01 45 23 00-0073)* | | |
| 01 45 23 00-0080 | EA | Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140 | 182.64 | |
| 01 45 23 00-0081 | EA | Absorption Test, Moisture Content And Unit Weight | 125.56 | |
| 01 45 23 00-0082 | EA | First Unit, Moisture Condition By Relative Humidity, ASTM C427 | 479.27 | |
| 01 45 23 00-0083 | EA | Moisture Condition By Relative Humidity, ASTM C427, Additional Unit | 239.63 | |
| 01 45 23 00-0084 | | Metals Testing *(01 45 23)* | | |
| 01 45 23 00-0085 | | Tank Tightness Testing *(01 45 23 00-0084)* | | |
| 01 45 23 00-0086 | GAL | Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks | 8.20 | |
| 01 45 23 00-0087 | GAL | >20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks | 7.03 | |
| 01 45 23 00-0088 | EA | Up To 12,000 Gallons, Tank Volumetric Tightness Testing | 2,108.35 | |
| 01 45 23 00-0089 | EA | >12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing | 2,576.04 | |
| 01 45 23 00-0090 | EA | >29,999 Gallons, Tank Volumetric Tightness Testing | 3,280.70 | |
| 01 45 23 00-0091 | | Tank Line Tightness Testing *(01 45 23 00-0084)* | | |
| 01 45 23 00-0092 | EA | Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing | 444.87 | |
| 01 45 23 00-0093 | EA | >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing | 493.99 | |
| 01 45 23 00-0094 | EA | >29,999 Gallons, Tank Line Volumetric Tightness Testing | 542.93 | |
| 01 45 23 00-0095 | | Other Testing *(01 45 23)* | | |
| 01 45 23 00-0096 | | Special Testing *(01 45 23 00-0095)* | | |
| 01 45 23 00-0097 | EA | Asphalt Roofing Cutout Samples, To Determine Unit Weight | 171.17 | |
| 01 45 23 00-0098 | EA | Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617 | 1,027.00 | |
| 01 45 23 00-0099 | EA | Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria) | 53.35 | |
| 01 45 23 00-0100 | EA | Liquid Chromatography Testing | 278.10 | |
| 01 45 23 00-0101 | EA | Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample | 221.30 | |
| 01 45 23 00-0102 | EA | Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample | 221.30 | |
| 01 45 23 00-0103 | EA | Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample | 221.30 | |
| 01 45 23 00-0104 | EA | Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample | 1,217.15 | |
| 01 45 23 00-0105 | EA | Testing And Certification Of Backflow Valves | 545.56 | |
| 01 45 23 00-0106 | | Non-destructive Field Testing Services *(01 45 23 00-0095)* | | |
| 01 45 23 00-0107 | | Infrared Thermography *(01 45 23 00-0106)* | | |
| | | Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task. | | |
| 01 45 23 00-0108 | | Roof Investigation And Moisture Survey Using Infrared Thermography *(01 45 23 00-0107)* | | |
| | | Note: For on the roof surveys. | | |
| 01 45 23 00-0109 | EA | Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge | 3,983.40 | |
| 01 45 23 00-0110 | CSF | Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography | 6.64 | |
| | | *For CADD Drawings, Add* | *1.33* | |
| 01 45 23 00-0111 | CSF | >10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography | 4.43 | |
| | | *For CADD Drawings, Add* | *0.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 45 23 00-0112 | CSF | >50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography | 3.32 | |
| | | *For CADD Drawings, Add* | *0.66* | |
| | | *For Elevated Infrared Thermography Roof Investigation, Add* | *0.83* | |
| | | *For Aerial Infrared Thermography Roof Investigation, Add* | *0.83* | |
| 01 45 23 00-0113 | CSF | >250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography | 2.21 | |
| | | *For CADD Drawings, Add* | *0.44* | |
| | | *For Elevated Infrared Thermography Roof Investigation, Add* | *0.55* | |
| | | *For Aerial Infrared Thermography Roof Investigation, Add* | *0.55* | |

### 01 45 23 00-0114 Building Moisture Investigation Using Infrared Thermography *(01 45 23 00-0107)*

Note: For finding moisture in walls and windows.

| | | | | |
|---|---|---|---|---|
| 01 45 23 00-0115 | EA | Building Moisture Investigation Using Infrared Thermography, Mobilization Charge | 2,102.35 | |
| 01 45 23 00-0116 | CSF | Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography | 6.64 | |
| | | *For Digital Or Analog Recording Of All Items, Add* | *3.32* | |
| 01 45 23 00-0117 | CSF | >1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography | 4.43 | |
| | | *For Digital Or Analog Recording Of All Items, Add* | *2.22* | |
| 01 45 23 00-0118 | CSF | >5,000 SF, Building Moisture Investigation Using Infrared Thermography | 2.21 | |
| | | *For Digital Or Analog Recording Of All Items, Add* | *1.11* | |

### 01 45 23 00-0119 General Building Investigation Using Infrared Thermography *(01 45 23 00-0107)*

Note: For finding missing or misplaced insulation, air leakage and delamination.

| | | | | |
|---|---|---|---|---|
| 01 45 23 00-0120 | EA | General Building Investigation Using Infrared Thermography, Mobilization Charge | 4,315.35 | |
| 01 45 23 00-0121 | CSF | Up To 1,000 SF, General Building Investigation Using Infrared Thermography | 6.64 | |
| | | *For Digital Or Analog Recording Of All Items, Add* | *3.32* | |
| 01 45 23 00-0122 | CSF | >1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography | 4.43 | |
| | | *For Digital Or Analog Recording Of All Items, Add* | *2.22* | |
| 01 45 23 00-0123 | CSF | >5,000 SF, General Building Investigation Using Infrared Thermography | 2.21 | |
| | | *For Digital Or Analog Recording Of All Items, Add* | *1.11* | |

### 01 45 23 00-0124 Electrical /Mechanical Equipment Scanning Using Infrared Thermography *(01 45 23 00-0107)*

Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.

| | | | | |
|---|---|---|---|---|
| 01 45 23 00-0125 | EA | Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge | 2,102.35 | |
| 01 45 23 00-0126 | HR | Electrical /Mechanical Equipment Scanning Using Infrared Thermography | 224.40 | |
| | | *For Digital Or Analog Recording Of All Items, Add* | *33.59* | |

### 01 45 23 00-0127 Concrete Block Wall Investigation Using Infrared Thermography *(01 45 23 00-0107)*

Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.

| | | | | |
|---|---|---|---|---|
| 01 45 23 00-0128 | EA | Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge | 2,102.35 | |
| 01 45 23 00-0129 | CSF | Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography | 6.64 | |
| | | *For Digital Or Analog Recording Of All Items, Add* | *1.00* | |
| 01 45 23 00-0130 | CSF | >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography | 4.43 | |
| | | *For Digital Or Analog Recording Of All Items, Add* | *0.66* | |

### 01 45 23 00-0131 Other Non-destructive Field Testing Services *(01 45 23 00-0106)*

| | | | | |
|---|---|---|---|---|
| 01 45 23 00-0132 | HR | ASNT Certified Level I NDT Consultant | 78.08 | |
| 01 45 23 00-0133 | HR | ASNT Certified Level II NDT Consultant | 86.95 | |
| 01 45 23 00-0134 | HR | ASNT Certified Level III NDT Consultant | 101.20 | |
| 01 45 23 00-0135 | HR | Certified Industrial Radiography Radiation Safety Personnel | 113.15 | |

### 01 45 23 00-0136 Concrete Slab Moisture Testing *(01 45 23 00-0095)*

| | | | | |
|---|---|---|---|---|
| 01 45 23 00-0137 | EA | Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete | 162.73 | |

## 01 45 29 Testing Laboratory Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests.

### 01 45 29 00-0001 Soil Borings Laboratory Tests *(01 45 29)*

See CSI section 02 32 13 00-0000 for soil borings.

| | | | | |
|---|---|---|---|---|
| 01 45 29 00-0002 | EA | Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test | 157.19 | |
| 01 45 29 00-0003 | EA | Shrinkage Limit, Soil Borings Laboratory Test | 50.15 | |
| 01 45 29 00-0004 | EA | Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test | 120.92 | |
| 01 45 29 00-0005 | EA | Consolidation, Soil Borings Laboratory Test | 846.40 | |
| 01 45 29 00-0006 | EA | Swell Test, Soil Borings Laboratory Test | 132.70 | |
| 01 45 29 00-0007 | EA | In Place Density, Soil Borings Laboratory Test | 36.27 | |
| 01 45 29 00-0008 | EA | Moisture Content, ASTM D2216, Soil Borings Laboratory Test | 22.53 | |
| 01 45 29 00-0009 | EA | Hydrometer Analysis, Soil Borings Laboratory Test | 290.95 | |
| 01 45 29 00-0010 | EA | Specific Gravity, ASTM D854, Soil Borings Laboratory Test | 101.43 | |
| 01 45 29 00-0011 | EA | Partial Sieve Analysis, Soil Borings Laboratory Test | 20.06 | |
| 01 45 29 00-0012 | EA | Laboratory Permeability, Soil Borings Laboratory Test | 1,002.97 | |
| 01 45 29 00-0013 | EA | Sieve Analysis, ASTM D422, Soil Borings Laboratory Test | 202.87 | |
| 01 45 29 00-0014 | EA | Sulfate Soundness, Soil Borings Laboratory Test | 250.74 | |
| 01 45 29 00-0015 | EA | Los Angeles Abrasion, Soil Borings Laboratory Test | 464.14 | |
| 01 45 29 00-0016 | EA | Soil Bearing Ratio, ASTM D1883 | 513.68 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 45 29 00-0017 | EA | Compaction Test Subgrade, Soil Borings Laboratory Test | 150.45 | |
| 01 45 29 00-0018 | EA | Compaction Test Base Course, Soil Borings Laboratory Test | 167.16 | |
| 01 45 29 00-0019 | EA | In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test | 358.78 | |
| 01 45 29 00-0020 | EA | Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test | 76.89 | |

# 01 50 Temporary Facilities and Controls *(01)*

Note: Tasks in this section shall be used as directed by owner.

## 01 51 Temporary Utilities *(01 50)*

### 01 51 13 Temporary Electricity *(01 51)*

#### 01 51 13 00-0001 Temporary Power Pole Rentals *(01 51 13)*

Note: Includes installation in ground and removal after use.

| | | | | |
|---|---|---|---|---|
| 01 51 13 00-0002 | MON | 17' To 35' Temporary Wood Power Pole Rental For 100 Amperes Service | 93.66 | |
| 01 51 13 00-0003 | MON | 17' To 35' Temporary Wood Power Pole Rental For 200 Amperes Service | 112.39 | |
| 01 51 13 00-0004 | EA | Power Installation For 100 Amperes Service<br>Note: One time fee | 936.55 | |
| 01 51 13 00-0005 | EA | Power Installation For 200 Amperes Service<br>Note: One time fee | 1,123.86 | |

#### 01 51 13 00-0006 Temporary Service Switch And/or Building Feeder Switch *(01 51 13)*

Note: Includes all connections and removal after use.

| | | | | |
|---|---|---|---|---|
| 01 51 13 00-0007 | EA | Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses | 1,587.82 | |
| 01 51 13 00-0008 | EA | Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses | 2,465.09 | |
| 01 51 13 00-0009 | EA | Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses | 4,515.77 | |
| 01 51 13 00-0010 | EA | Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses | 7,406.86 | |

#### 01 51 13 00-0011 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses *(01 51 13)*

Note: Includes mounting on wall and removal after use.

| | | | | |
|---|---|---|---|---|
| 01 51 13 00-0012 | EA | Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers | 1,640.47 | |
| 01 51 13 00-0013 | EA | Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers | 2,297.20 | |
| 01 51 13 00-0014 | EA | Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers | 3,592.46 | |
| 01 51 13 00-0015 | EA | Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers | 5,117.10 | |

#### 01 51 13 00-0016 Temporary Conduit And Cable For Temporary Disconnect (Safety) Switches And Temporary Panelboards *(01 51 13)*

Note: Includes all connections, fittings, supports and removal after use.

| | | | | |
|---|---|---|---|---|
| 01 51 13 00-0017 | LF | Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards | 12.18 | |
| 01 51 13 00-0018 | LF | Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards | 13.35 | |

### 01 51 26 Temporary Lighting *(01 51)*

#### 01 51 26 00-0001 Temporary Lighting Devices *(01 51 26)*

Note: Includes removal after use.

| | | | | |
|---|---|---|---|---|
| 01 51 26 00-0002 | EA | Temporary Exit Light | 289.97 | |
| 01 51 26 00-0003 | EA | Temporary 10 Light String With Cages | 107.35 | |
| 01 51 26 00-0004 | EA | Temporary High Bay Light | 407.39 | |

## 01 52 Construction Facilities *(01 50)*

Note: Tasks in this section shall be used as directed by owner for owner's use.

### 01 52 13 Field Offices and Sheds *(01 52)*

#### 01 52 13 00-0001 Field Offices and Office Trailers *(01 52 13)*

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.

| | | | | |
|---|---|---|---|---|
| 01 52 13 00-0002 | MO | 8' x 24' Mobile Office, With Toilet | 243.93 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | | *1,226.40* |
| | | *For Each Set-Up (Block And Level), Add* | | *861.17* |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | | *239.84* |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | | *333.87* |
| | | *For Knockdown, Add* | | *830.16* |
| | | *For Office Trailer Without Toilet, Deduct* | | *-48.79* |
| 01 52 13 00-0003 | MO | 8' x 32' Mobile Office, With Toilet | 276.44 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | | *1,226.40* |
| | | *For Each Set-Up (Block And Level), Add* | | *861.17* |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | | *239.84* |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | | *333.87* |
| | | *For Knockdown, Add* | | *830.16* |
| | | *For Office Trailer Without Toilet, Deduct* | | *-55.29* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 52 13 00-0004 | MO | 10' x 36' Mobile Office, With Toilet | 374.02 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *2,437.98* | |
| | | *For Each Set-Up (Block And Level), Add* | *1,350.55* | |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | *239.84* | |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | *333.87* | |
| | | *For Knockdown, Add* | *1,243.18* | |
| | | *For Office Trailer Without Toilet, Deduct* | *-74.80* | |
| 01 52 13 00-0005 | MO | 10' x 40' Mobile Office, With Toilet | 398.41 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *2,437.98* | |
| | | *For Each Set-Up (Block And Level), Add* | *1,350.55* | |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | *239.84* | |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | *333.87* | |
| | | *For Knockdown, Add* | *1,243.18* | |
| | | *For Office Trailer Without Toilet, Deduct* | *-79.68* | |
| 01 52 13 00-0006 | MO | 10' x 44' Mobile Office, With Toilet | 439.06 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *2,437.98* | |
| | | *For Each Set-Up (Block And Level), Add* | *1,350.55* | |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | *239.84* | |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | *333.87* | |
| | | *For Knockdown, Add* | *1,243.18* | |
| 01 52 13 00-0007 | MO | 10' x 50' Mobile Office, With Toilet | 463.46 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *2,437.98* | |
| | | *For Each Set-Up (Block And Level), Add* | *1,350.55* | |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | *239.84* | |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | *333.87* | |
| | | *For Knockdown, Add* | *1,243.18* | |
| 01 52 13 00-0008 | MO | 12' x 32' Mobile Office, With Toilet | 376.49 | |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | *239.84* | |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | *333.87* | |
| | | *For Knockdown, Add* | *1,243.18* | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *765.53* | |
| | | *For Each Set-Up (Block And Level), Add* | *587.88* | |
| 01 52 13 00-0009 | MO | 12' x 44' Mobile Office, With Toilet | 503.36 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *2,437.98* | |
| | | *For Each Set-Up (Block And Level), Add* | *1,350.55* | |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | *239.84* | |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | *333.87* | |
| | | *For Knockdown, Add* | *1,243.18* | |
| 01 52 13 00-0010 | MO | 12' x 50' Mobile Office, With Toilet | 599.24 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *2,437.98* | |
| | | *For Each Set-Up (Block And Level), Add* | *1,350.55* | |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | *239.84* | |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | *333.87* | |
| | | *For Knockdown, Add* | *1,243.18* | |
| 01 52 13 00-0011 | MO | 12' x 60' Mobile Office, With Toilet | 828.52 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *2,437.98* | |
| | | *For Each Set-Up (Block And Level), Add* | *1,350.55* | |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | *239.84* | |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | *333.87* | |
| | | *For Knockdown, Add* | *1,243.18* | |
| 01 52 13 00-0012 | MO | 24' x 60' Modular Office, With Toilet | 1,300.91 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *3,679.21* | |
| | | *For Each Set-Up (Block And Level), Add* | *2,418.93* | |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | *239.84* | |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | *333.87* | |
| | | *For Knockdown, Add* | *2,490.47* | |
| 01 52 13 00-0013 | MO | 24' x 72' Modular Office, With Toilet | 1,561.10 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *3,679.21* | |
| | | *For Each Set-Up (Block And Level), Add* | *2,418.93* | |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | *239.84* | |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | *333.87* | |
| | | *For Knockdown, Add* | *2,490.47* | |
| 01 52 13 00-0014 | MO | 30' x 30' Modular Office, With Toilet | 816.12 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *3,679.21* | |
| | | *For Each Set-Up (Block And Level), Add* | *2,418.93* | |
| | | *For Each Anchoring Into Dirt, Add Per Each Anchor* | *239.84* | |
| | | *For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor* | *333.87* | |
| | | *For Knockdown, Add* | *2,490.47* | |

## 01 52 13 00-0015 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

| | | | |
|---|---|---|---|
| 01 52 13 00-0016 | MO | Desk For Field Office Trailer | 41.23 |
| 01 52 13 00-0017 | MO | Rolling Desk Chair For Field Office Trailer | 25.77 |
| 01 52 13 00-0018 | MO | File Cabinet For Field Office Trailer | 30.92 |
| 01 52 13 00-0019 | MO | Table For Field Office Trailer | 20.61 |
| 01 52 13 00-0020 | MO | Folding Chair For Field Office Trailer | 9.76 |
| 01 52 13 00-0021 | EA | Phone Hook-Up For Field Office Trailer | 113.37 |
| 01 52 13 00-0022 | MO | Local Hardwired Phone or Data Service Per Phone Line For Field Office Trailer | 82.45 |
| 01 52 13 00-0023 | MO | Security System With Monitoring For Field Office Trailer | 129.90 |
| 01 52 13 00-0024 | LF | Perimeter Trailer Vinyl Skirting For Field Office Trailer | 16.35 |
| 01 52 13 00-0025 | LF | Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer | 38.73 |
| 01 52 13 00-0026 | MO | Fax Machine For Field Office Trailer | 44.17 |
| 01 52 13 00-0027 | MO | Copier For Field Office Trailer | 82.45 |
| 01 52 13 00-0028 | MO | Steps For Field Office Trailer | 73.65 |
| 01 52 13 00-0029 | MO | Steps With Canopy For Field Office Trailer | 123.44 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

01 52 13 00-0030 Storage Containers *(01 52 13)*

| | | | | |
|---|---|---|---|---|
| 01 52 13 00-0031 | MO | 8' x 8' x 10' Storage Container | 135.52 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *114.00* | |
| | | *For >12 Months, Deduct* | *-30.49* | |
| 01 52 13 00-0032 | MO | 8' x 8' x 20' Storage Container | 141.68 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *125.40* | |
| | | *For >12 Months, Deduct* | *-31.88* | |
| 01 52 13 00-0033 | MO | 8' x 8' x 40' Storage Container | 167.55 | |
| | | *For Each Delivery And Removal, Two Round Trips, Add* | *252.55* | |
| | | *For >12 Months, Deduct* | *-37.70* | |

### 01 52 19 Sanitary Facilities *(01 52)*

01 52 19 00-0001 Portable Toilets *(01 52 19)*

Note: Includes set-up, servicing once per week (unless task states otherwise) and removal.

| | | | | |
|---|---|---|---|---|
| 01 52 19 00-0002 | WK | Portable Chemical Toilet | 78.33 | |
| | | *For Each Additional Servicing Per Unit Per Week, Add* | *25.00* | |
| | | *For Each Delivery And Set-up, Add* | *40.30* | |
| 01 52 19 00-0003 | MO | Portable Chemical Toilet | 234.98 | |
| | | *For Each Additional Servicing Per Unit Per Week, Add* | *25.00* | |
| | | *For Each Delivery And Set-up, Add* | *40.30* | |
| 01 52 19 00-0004 | WK | Americans With Disabilities Act Compliant Portable Chemical Toilet | 93.42 | |
| | | *For Each Additional Servicing Per Unit Per Week, Add* | *25.00* | |
| | | *For Each Delivery And Set-up, Add* | *40.30* | |
| 01 52 19 00-0005 | MO | Americans With Disabilities Act Compliant Portable Chemical Toilet | 274.14 | |
| | | *For Each Additional Servicing Per Unit Per Week, Add* | *25.00* | |
| | | *For Each Delivery And Set-up, Add* | *40.30* | |
| 01 52 19 00-0006 | WK | Two Station Portable Handwash | 56.43 | |
| | | *For Each Delivery And Set-up, Add* | *40.30* | |
| 01 52 19 00-0007 | MO | Two Station Portable Handwash | 171.18 | |
| | | *For Each Delivery And Set-up, Add* | *40.30* | |
| 01 52 19 00-0008 | WK | Four Station Portable Handwash | 66.39 | |
| | | *For Each Delivery And Set-up, Add* | *40.30* | |
| 01 52 19 00-0009 | MO | Four Station Portable Handwash | 201.38 | |
| | | *For Each Delivery And Set-up, Add* | *40.30* | |
| 01 52 19 00-0010 | MO | 6 Station, Portable Toilets, Multi Trailer | 6,052.32 | |
| | | Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing. | | |
| | | *For Each Delivery, Set-up And Removal, Two Round Trips, Add* | *1,205.73* | |
| 01 52 19 00-0011 | WK | Service 6 Station Trailer Restrooms, 3 Times Per Week | 2,105.24 | |
| | | *For One Additional Service Per Week, Add* | *701.74* | |
| | | *Note: For one less service per week, UOM to be negative one (-1)* | | |
| 01 52 19 00-0012 | MO | 34' Length, ADA Restroom Trailer With 950 Gal Waste Tank | 6,015.16 | |
| | | Note: Includes women's: 3 toilets, 2 sinks; men's: 1 toilet, 2 urinals, 2 sinks; ADA: 1 toilet, 1 sink. Requires 3/4" water source, and four 20 amperes/110 voltage dedicated circuits. | | |
| | | *For Delivery, Setup, Removal, Add Once* | *887.49* | |
| | | *For Weekly Service Of Toilet Trailer, Add Per Month* | *900.15* | |

## 01 53 Temporary Construction *(01 50)*

### 01 53 16 Temporary Decking *(01 53)*

01 53 16 00-0001 Temporary Walkways And Railings *(01 53 16)*

Note: Includes removal after use.

| | | | | |
|---|---|---|---|---|
| 01 53 16 00-0002 | SF | Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers | 7.93 | |
| 01 53 16 00-0003 | LF | Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail | 31.81 | |
| 01 53 16 00-0004 | LF | Temporary Wood Guardrail Base, 12" x 12" Timber Beam | 15.32 | |
| 01 53 16 00-0005 | RSR | Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers | 26.03 | |

### 01 53 23 Temporary Ramps *(01 53)*

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access *(01 53 23)*

Note: Includes removal after use.

| | | | | |
|---|---|---|---|---|
| 01 53 23 00-0002 | SF | Temporary Plywood For Wheel Barrow Access | 1.49 | 0.47 |

## 01 54 Construction Aids *(01 50)*

### 01 54 09 Personnel Protection Equipment *(01 54)*

01 54 09 00-0001 Personnel Protection Equipment *(01 54 09)*

Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responisbility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.

| | | | | |
|---|---|---|---|---|
| 01 54 09 00-0002 | NTE | Personnel Protection Equipment | 0.00 | |
| | | Note: For specification publishing. Review specifications for requirements. | | |


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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 01 54 23 Temporary Scaffolding and Platforms *(01 54)*

### 01 54 23 00-0001 Scaffolding *(01 54 23)*

Note: Additional scaffolding rental for work above the normal working height.

### 01 54 23 00-0002 Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

| | | | | |
|---|---|---|---|---|
| 01 54 23 00-0003 | CCF | Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month) | 39.69 | |
| | | *For Up To 25, Add* | *15.88* | |
| | | *For >25 To 50, Add* | *9.92* | |
| | | *For >50 To 150, Add* | *3.97* | |
| 01 54 23 00-0004 | CCF | Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month) | 44.63 | |
| | | *For Up To 25, Add* | *17.85* | |
| | | *For >25 To 50, Add* | *11.16* | |
| | | *For >50 To 150, Add* | *4.46* | |
| 01 54 23 00-0005 | CCF | Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month) | 59.54 | |
| | | *For Up To 25, Add* | *23.82* | |
| | | *For >25 To 50, Add* | *14.89* | |
| | | *For >50 To 150, Add* | *5.95* | |

### 01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

| | | | |
|---|---|---|---|
| 01 54 23 00-0007 | CCF | Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories | 45.93 |
| 01 54 23 00-0008 | CCF | >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories | 60.22 |
| 01 54 23 00-0009 | CCF | >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories | 80.37 |
| 01 54 23 00-0010 | CCF | >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories | 88.41 |
| 01 54 23 00-0011 | CCF | >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories | 101.80 |
| 01 54 23 00-0012 | CCF | Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories | 64.30 |

### 01 54 23 00-0013 Heavy-Duty Masonry Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.

| | | | |
|---|---|---|---|
| 01 54 23 00-0014 | CCF | Heavy-Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month) | 70.43 |
| 01 54 23 00-0015 | CCF | Heavy-Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month) | 129.12 |
| 01 54 23 00-0016 | LF | Aluminum Joists (LF / Month) | 11.45 |
| 01 54 23 00-0017 | LF | Aluminum Stringers (LF / Month) | 16.42 |
| 01 54 23 00-0018 | EA | Screw Jack With U-Plate For Stringers (EA / Month) | 20.69 |

### 01 54 23 00-0019 Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.

| | | | |
|---|---|---|---|
| 01 54 23 00-0020 | CCF | Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories. | 85.73 |
| 01 54 23 00-0021 | CCF | >20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories. | 107.16 |
| 01 54 23 00-0022 | CCF | >40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories. | 128.60 |
| 01 54 23 00-0023 | CCF | >60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories. | 139.31 |
| 01 54 23 00-0024 | CCF | >80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories. | 155.39 |

### 01 54 23 00-0025 Scaffolding Accessories *(01 54 23 00-0001)*

See CSI section 01 54 23 00-0019 for erection.

| | | | |
|---|---|---|---|
| 01 54 23 00-0026 | CSF | Netting for Exterior Building Scaffolding<br>Note: Includes removal after use. | 41.28 |

### 01 54 23 00-0027 Mobile Mast Climbing Scaffolding *(01 54 23)*

Note: Per month.

### 01 54 23 00-0028 Fraco FRSM ACT Solution Single Mast, Mast Climbing Scaffolding Per Month *(01 54 23 00-0027)*

| | | | |
|---|---|---|---|
| 01 54 23 00-0029 | MO | Single Mast Climber, 175' High Mast x 35' Wide Platform | 3,300.00 |
| 01 54 23 00-0030 | EA | Delivery/Pick-up Fee For Single Mast Climber<br>Note: Excludes erection or dismantle. | 2,400.00 |
| 01 54 23 00-0031 | EA | Erection For Single Mast Climber | 3,000.00 |
| 01 54 23 00-0032 | EA | Dismantle For Single Mast Climber | 2,500.00 |
| 01 54 23 00-0033 | SF | Additional Scaffolding Planks, Wood, 2" | 0.96 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **01 54 23 00-0034** | | **Rolling Scaffolding** *(01 54 23)*<br>Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold. | | |
| 01 54 23 00-0035 | DAY | >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) | 13.52 | |
| 01 54 23 00-0036 | WK | >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) | 54.19 | |
| 01 54 23 00-0037 | MO | >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) | 216.75 | |
| 01 54 23 00-0038 | DAY | >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) | 22.64 | |
| 01 54 23 00-0039 | WK | >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) | 90.68 | |
| 01 54 23 00-0040 | MO | >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) | 362.74 | |
| 01 54 23 00-0041 | EA | >14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold | 124.43 | |
| 01 54 23 00-0042 | EA | >20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold | 155.53 | |
| **01 54 23 00-0043** | | **Shoring Posts** *(01 54 23)* | | |
| 01 54 23 00-0044 | DAY | 6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post | 2.15 | |
| 01 54 23 00-0045 | WK | 6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post | 8.60 | |
| 01 54 23 00-0046 | MO | 6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post | 25.81 | |
| 01 54 23 00-0047 | DAY | Up To 7', 1" Diameter, Steel Cross Brace | 2.01 | |
| 01 54 23 00-0048 | WK | Up To 7', 1" Diameter, Steel Cross Brace | 4.02 | |
| 01 54 23 00-0049 | MO | Up To 7', 1" Diameter, Steel Cross Brace | 8.04 | |
| 01 54 23 00-0050 | DAY | >7' To 10', 1" Diameter, Steel Cross Brace | 2.90 | |
| 01 54 23 00-0051 | WK | >7' To 10', 1" Diameter, Steel Cross Brace | 5.81 | |
| 01 54 23 00-0052 | MO | >7' To 10', 1" Diameter, Steel Cross Brace | 11.62 | |
| 01 54 23 00-0053 | MO | 2' Wide Shoring Frame With Adjustable Screw Jacks | 12.59 | |
| 01 54 23 00-0054 | MO | 4' Wide Shoring Frame With Adjustable Screw Jacks | 16.46 | |
| 01 54 23 00-0055 | LF | 1-5/8" Diameter, Steel Tube And Clamp Bracing (Per LF/Month) | 7.75 | |
| 01 54 23 00-0056 | LF | 6-1/2" Deep, Aluminum Joist Shoring (Per LF/Month) | 5.02 | |
| 01 54 23 00-0057 | LF | 7-1/4" Deep, Aluminum Stringer Shoring (Per LF/Month) | 5.02 | |
| 01 54 23 00-0058 | CCF | Shoring Posts And Frames Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories | 58.94 | |
| 01 54 23 00-0059 | EA | Initial Erection And Final Dismantling For Each Shoring Post | 9.96 | |
| | | *For >20 To 50, Deduct* | *-1.49* | |
| | | *For >50 To 100, Deduct* | *-3.49* | |
| | | *For >100, Deduct* | *-5.48* | |
| **01 54 23 00-0060** | | **Temporary Lumber, Single Use** *(01 54 23)*<br>Note: Includes removal after use. | | |
| 01 54 23 00-0061 | SF | 5/16" CD Grade Plywood, Temporary Lumber | 2.45 | |
| 01 54 23 00-0062 | SF | 1/2" CD Grade Plywood, Temporary Lumber | 2.70 | |
| 01 54 23 00-0063 | SF | 5/8" CD Grade Plywood, Temporary Lumber | 3.10 | |
| 01 54 23 00-0064 | SF | 3/4" CD Grade Plywood, Temporary Lumber | 3.44 | |
| 01 54 23 00-0065 | SF | 1" CD Grade Plywood, Temporary Lumber | 5.13 | |
| 01 54 23 00-0066 | LF | 2" x 4" Temporary Lumber | 3.17 | |
| 01 54 23 00-0067 | LF | 2" x 6" Temporary Lumber | 4.06 | |
| 01 54 23 00-0068 | LF | 2" x 8" Temporary Lumber | 4.94 | |
| 01 54 23 00-0069 | LF | 2" x 10" Temporary Lumber | 5.83 | |
| 01 54 23 00-0070 | LF | 2" x 12" Temporary Lumber | 6.71 | |
| 01 54 23 00-0071 | LF | 3" x 8" Temporary Lumber | 6.71 | |
| 01 54 23 00-0072 | LF | 3" x 10" Temporary Lumber | 8.04 | |
| 01 54 23 00-0073 | LF | 3" x 12" Temporary Lumber | 9.38 | |
| 01 54 23 00-0074 | LF | 4" x 4" Temporary Lumber | 4.39 | |
| 01 54 23 00-0075 | LF | 4" x 6" Temporary Lumber | 6.36 | |
| 01 54 23 00-0076 | LF | 6" x 6" Temporary Lumber | 8.34 | |
| 01 54 23 00-0077 | LF | 6" x 8" Temporary Lumber | 10.86 | |
| 01 54 23 00-0078 | LF | 12" x 12" Temporary Lumber | 27.09 | |
| **01 54 23 00-0079** | | **Temporary Precast Concrete Blocks** *(01 54 23)*<br>Note: Includes removal after use. | | |
| 01 54 23 00-0080 | EA | 2' x 2' x 2' Temporary Precast Concrete (Ecology) Block<br>Note: Includes removal after use. | 130.62 | |
| 01 54 23 00-0081 | EA | 2' x 2' x 4' Temporary Precast Concrete (Ecology) Block<br>Note: Includes removal after use. | 163.27 | |
| 01 54 23 00-0082 | EA | 2' x 2' x 8' Temporary Precast Concrete (Ecology) Block<br>Note: Includes removal after use. | 214.29 | |
| **01 54 26** | | **Temporary Swing Staging** *(01 54)*<br>Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors. | | |
| **01 54 26 00-0001** | | **Swing Stage** *(01 54 26)*<br>Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors. | | |
| 01 54 26 00-0002 | MO | 7' Swing Stage, Electric Operated | 3,095.78 | |
| 01 54 26 00-0003 | MO | 10' Swing Stage, Electric Operated | 3,250.57 | |
| 01 54 26 00-0004 | MO | 14' Swing Stage, Electric Operated | 3,405.36 | |
| 01 54 26 00-0005 | MO | 20' Swing Stage, Electric Operated | 3,560.15 | |
| 01 54 26 00-0006 | MO | 24' Swing Stage, Electric Operated | 3,714.94 | |
| 01 54 26 00-0007 | MO | 30' Swing Stage, Electric Operated | 3,869.73 | |
| 01 54 26 00-0008 | MO | 42' Swing Stage, Electric Operated | 4,024.52 | |
| 01 54 26 00-0009 | MO | 12' Swing Stage, Manually Operated | 892.71 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 54 26 00-0010 | MO | 24' Swing Stage, Manually Operated | 1,115.89 | |
| 01 54 26 00-0011 | EA | Swing Stage Platform From Hooks, Erection And Dismantling<br>Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system. | 5,304.05 | |
| 01 54 26 00-0012 | EA | Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling<br>Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system. | 7,370.88 | |
| 01 54 26 00-0013 | EA | Move Swing Stage Platform From Hooks To Different Location At Same Roof | 2,788.99 | |
| 01 54 26 00-0014 | EA | Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof | 3,884.66 | |

# 01 55 Vehicular Access and Parking *(01 50)*

## 01 55 23 Temporary Roads *(01 55)*

### 01 55 23 00-0001 Temporary Stabilized Construction Entrance *(01 55 23)*

Note: As per Caltrans detail.

| | | | | |
|---|---|---|---|---|
| 01 55 23 00-0002 | SF | 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly<br>Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction. | 3.29 | |
| 01 55 23 00-0003 | SF | >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly<br>Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction. | 4.31 | |

### 01 55 23 00-0004 Rumble Trench Plate *(01 55 23)*

| | | | | |
|---|---|---|---|---|
| 01 55 23 00-0005 | MO | 8' x 10' Steel Rumble Trench Plate Rental | 413.50 | |
| 01 55 23 00-0006 | EA | Placement And Removal Of Rumble Plate<br>Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks. | 104.61 | |
| 01 55 23 00-0007 | EA | Relocate And Adjust Location Of Rumble Plate<br>Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks. | 26.15 | |

### 01 55 23 00-0008 Temporary Road Ramps (Godwin) *(01 55 23)*

Note: Excludes asphalt and gravel.

| | | | | |
|---|---|---|---|---|
| 01 55 23 00-0009 | EA | 4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin) | 5,090.02 | 234.78 |
| 01 55 23 00-0010 | EA | 6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin) | 6,931.91 | 352.16 |
| 01 55 23 00-0011 | EA | 8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin) | 9,577.36 | 469.55 |
| 01 55 23 00-0012 | EA | 12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin) | 19,856.64 | 586.93 |
| 01 55 23 00-0013 | EA | 24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin) | 29,131.46 | 704.32 |

## 01 55 26 Traffic Control *(01 55)*

### 01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask *(01 55 26)*

Note: Includes installation and removal after use.

| | | | |
|---|---|---|---|
| 01 55 26 00-0002 | LF | 6" Removable Traffic Black Line Mask | 5.53 |
| 01 55 26 00-0003 | LF | 8" Removable Traffic Black Line Mask | 6.65 |

### 01 55 26 00-0004 Temporary Preformed Traffic Line Tape *(01 55 26)*

Note: Includes installation and removal after use.

| | | | |
|---|---|---|---|
| 01 55 26 00-0005 | LF | 4" Reflective Removable Traffic Line Tape | 5.59 |
| 01 55 26 00-0006 | LF | 6" Reflective Removable Traffic Line Tape | 7.59 |
| 01 55 26 00-0007 | LF | 8" Reflective Removable Traffic Line Tape | 9.49 |

### 01 55 26 00-0008 Temporary Painted Traffic Lines *(01 55 26)*

Note: Includes installation and removal after use.

| | | | |
|---|---|---|---|
| 01 55 26 00-0009 | LF | 4" Temporary Painted Traffic Lines<br>Note: Includes removal after use | 2.42 |
| | | *For Not Removed, Deduct* | *-1.71* |
| 01 55 26 00-0010 | LF | 6" Temporary Painted Traffic Lines<br>Note: Includes removal after use | 3.19 |
| | | *For Not Removed, Deduct* | *-2.33* |
| 01 55 26 00-0011 | LF | 8" Temporary Painted Traffic Lines<br>Note: Includes removal after use | 4.01 |
| | | *For Not Removed, Deduct* | *-2.95* |

### 01 55 26 00-0012 Temporary Pedestrian Traffic Control *(01 55 26)*

| | | | |
|---|---|---|---|
| 01 55 26 00-0013 | CLF | 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange | 10.83 |
| 01 55 26 00-0014 | CLF | 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange | 13.91 |
| 01 55 26 00-0015 | CLF | 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow | 8.83 |
| 01 55 26 00-0016 | CLF | 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow | 10.70 |
| 01 55 26 00-0017 | CLF | 3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent | 11.48 |
| 01 55 26 00-0018 | CLF | 6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent | 15.37 |
| 01 55 26 00-0019 | CLF | 1" Exterior Vinyl Tape (Warning Tape) | 12.55 |
| 01 55 26 00-0020 | CLF | 2" Exterior Vinyl Tape (Warning Tape) | 17.18 |
| 01 55 26 00-0021 | CLF | 3" Exterior Vinyl Tape (Warning Tape) | 21.10 |
| 01 55 26 00-0022 | CLF | 4" Exterior Vinyl Tape (Warning Tape) | 24.66 |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 55 26 00-0023 | | **Linear Delineation System, Temporary Or Permanent** *(01 55 26)*<br>Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M. | | |
| 01 55 26 00-0024 | LF | 4" Linear Delineation System | 11.83 | |
| 01 55 26 00-0025 | LF | 6" Linear Delineation System | 15.97 | |
| 01 55 26 00-0026 | | **Temporary Traffic Protection** *(01 55 26)* | | |
| 01 55 26 00-0027 | | **Temporary Portable Traffic Control Device Usage** *(01 55 26 00-0026)*<br>Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0132 for delivery, placing and removal. | | |
| 01 55 26 00-0028 | DAY | 28" Cone With Reflective Collar | 0.89 | |
| 01 55 26 00-0029 | WK | 28" Cone With Reflective Collar | 2.66 | |
| 01 55 26 00-0030 | MO | 28" Cone With Reflective Collar | 7.99 | |
| 01 55 26 00-0031 | DAY | Vertical Panel | 2.68 | |
| 01 55 26 00-0032 | WK | Vertical Panel | 8.04 | |
| 01 55 26 00-0033 | MO | Vertical Panel | 24.13 | |
| 01 55 26 00-0034 | DAY | Channelizer Drum | 2.91 | |
| 01 55 26 00-0035 | WK | Channelizer Drum | 8.73 | |
| 01 55 26 00-0036 | MO | Channelizer Drum | 26.20 | |
| 01 55 26 00-0037 | DAY | Stackable Channelizer Panel | 1.38 | |
| 01 55 26 00-0038 | WK | Stackable Channelizer Panel | 4.13 | |
| 01 55 26 00-0039 | MO | Stackable Channelizer Panel | 12.39 | |
| 01 55 26 00-0040 | DAY | Type I Barricade, Up To 3' Wide With Reflective Rail Each Side | 1.91 | |
| 01 55 26 00-0041 | WK | Type I Barricade, Up To 3' Wide With Reflective Rail Each Side | 5.72 | |
| 01 55 26 00-0042 | MO | Type I Barricade, Up To 3' Wide With Reflective Rail Each Side | 17.16 | |
| 01 55 26 00-0043 | DAY | Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side | 4.23 | |
| 01 55 26 00-0044 | WK | Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side | 12.68 | |
| 01 55 26 00-0045 | MO | Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side | 38.03 | |
| 01 55 26 00-0046 | DAY | Type III Barricade, Up To 5' Wide With Three Reflective Rails | 4.82 | |
| 01 55 26 00-0047 | WK | Type III Barricade, Up To 5' Wide With Three Reflective Rails | 14.45 | |
| 01 55 26 00-0048 | MO | Type III Barricade, Up To 5' Wide With Three Reflective Rails | 43.34 | |
| 01 55 26 00-0049 | DAY | Type III Barricade, >5' To 10' Wide With Three Reflective Rails | 8.81 | |
| 01 55 26 00-0050 | WK | Type III Barricade, >5' To 10' Wide With Three Reflective Rails | 26.43 | |
| 01 55 26 00-0051 | MO | Type III Barricade, >5' To 10' Wide With Three Reflective Rails | 79.28 | |
| 01 55 26 00-0052 | DAY | Up To 10' Wide A Frame Barricade | 4.83 | |
| 01 55 26 00-0053 | WK | Up To 10' Wide A Frame Barricade | 14.49 | |
| 01 55 26 00-0054 | MO | Up To 10' Wide A Frame Barricade | 43.48 | |
| 01 55 26 00-0055 | DAY | Type A Or C Flasher | 0.98 | |
| 01 55 26 00-0056 | WK | Type A Or C Flasher | 2.95 | |
| 01 55 26 00-0057 | MO | Type A Or C Flasher | 8.86 | |
| 01 55 26 00-0058 | DAY | Type B Flasher (High Intensity) | 5.34 | |
| 01 55 26 00-0059 | WK | Type B Flasher (High Intensity) | 16.02 | |
| 01 55 26 00-0060 | MO | Type B Flasher (High Intensity) | 48.07 | |
| 01 55 26 00-0061 | | **Temporary Traffic Barriers Usage** *(01 55 26 00-0026)*<br>Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0132 for delivery, placing and removal. | | |
| 01 55 26 00-0062 | DAY | 6' Long Portable Parking Curbs | 2.30 | |
| 01 55 26 00-0063 | WK | 6' Long Portable Parking Curbs | 6.90 | |
| 01 55 26 00-0064 | MO | 6' Long Portable Parking Curbs | 20.71 | |
| 01 55 26 00-0065 | DAY | 6' Long Portable Speed Bumps | 6.81 | |
| 01 55 26 00-0066 | WK | 6' Long Portable Speed Bumps | 20.42 | |
| 01 55 26 00-0067 | MO | 6' Long Portable Speed Bumps | 61.28 | |
| 01 55 26 00-0068 | DAY | 8' To 12.5' Concrete Traffic Barrier | 16.36 | |
| 01 55 26 00-0069 | WK | 8' To 12.5' Concrete Traffic Barrier | 49.07 | |
| 01 55 26 00-0070 | MO | 8' To 12.5' Concrete Traffic Barrier | 147.21 | |
| 01 55 26 00-0071 | DAY | >12.5' To 20' Concrete Traffic Barrier | 32.71 | |
| 01 55 26 00-0072 | WK | >12.5' To 20' Concrete Traffic Barrier | 98.14 | |
| 01 55 26 00-0073 | MO | >12.5' To 20' Concrete Traffic Barrier | 294.42 | |
| 01 55 26 00-0074 | DAY | 6' x 32" Tall Plastic Water Barrier | 19.53 | |
| 01 55 26 00-0075 | WK | 6' x 32" Tall Plastic Water Barrier | 58.60 | |
| 01 55 26 00-0076 | MO | 6' x 32" Tall Plastic Water Barrier | 175.80 | |
| 01 55 26 00-0077 | DAY | 6' x 46" Tall Plastic Water Barrier | 27.89 | |
| 01 55 26 00-0078 | WK | 6' x 46" Tall Plastic Water Barrier | 83.67 | |
| 01 55 26 00-0079 | MO | 6' x 46" Tall Plastic Water Barrier | 251.02 | |
| 01 55 26 00-0080 | DAY | Sand Filled Crash Attenuator Barrels | 10.92 | |
| 01 55 26 00-0081 | WK | Sand Filled Crash Attenuator Barrels | 32.75 | |
| 01 55 26 00-0082 | MO | Sand Filled Crash Attenuator Barrels | 98.25 | |
| 01 55 26 00-0083 | | **Temporary Portable Signs And Message Displays Usage** *(01 55 26 00-0026)*<br>Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0132 for delivery, placing and removal. | | |
| 01 55 26 00-0084 | DAY | Mesh Or Vinyl Roll-up Sign With Stand | 8.57 | |
| 01 55 26 00-0085 | WK | Mesh Or Vinyl Roll-up Sign With Stand | 25.71 | |
| 01 55 26 00-0086 | MO | Mesh Or Vinyl Roll-up Sign With Stand | 77.14 | |
| 01 55 26 00-0087 | DAY | 18" x 18" Aluminum Construction Sign, With Portable Stand | 3.10 | |
| 01 55 26 00-0088 | WK | 18" x 18" Aluminum Construction Sign, With Portable Stand | 9.30 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 55 26 00-0089 | MO | 18" x 18" Aluminum Construction Sign, With Portable Stand | 27.89 | |
| 01 55 26 00-0090 | DAY | 30" x 24" Aluminum Construction Sign, With Portable Stand | 4.01 | |
| 01 55 26 00-0091 | WK | 30" x 24" Aluminum Construction Sign, With Portable Stand | 12.04 | |
| 01 55 26 00-0092 | MO | 30" x 24" Aluminum Construction Sign, With Portable Stand | 36.11 | |
| 01 55 26 00-0093 | DAY | 30" x 30" Aluminum Construction Sign, With Portable Stand | 3.64 | |
| 01 55 26 00-0094 | WK | 30" x 30" Aluminum Construction Sign, With Portable Stand | 10.91 | |
| 01 55 26 00-0095 | MO | 30" x 30" Aluminum Construction Sign, With Portable Stand | 32.74 | |
| 01 55 26 00-0096 | DAY | 48" x 18" Aluminum Construction Sign, With Portable Stand | 4.32 | |
| 01 55 26 00-0097 | WK | 48" x 18" Aluminum Construction Sign, With Portable Stand | 12.95 | |
| 01 55 26 00-0098 | MO | 48" x 18" Aluminum Construction Sign, With Portable Stand | 38.86 | |
| 01 55 26 00-0099 | DAY | 48" x 24" Aluminum Construction Sign, With Portable Stand | 4.93 | |
| 01 55 26 00-0100 | WK | 48" x 24" Aluminum Construction Sign, With Portable Stand | 14.79 | |
| 01 55 26 00-0101 | MO | 48" x 24" Aluminum Construction Sign, With Portable Stand | 44.37 | |
| 01 55 26 00-0102 | DAY | 48" x 30" Aluminum Construction Sign, With Portable Stand | 5.54 | |
| 01 55 26 00-0103 | WK | 48" x 30" Aluminum Construction Sign, With Portable Stand | 16.63 | |
| 01 55 26 00-0104 | MO | 48" x 30" Aluminum Construction Sign, With Portable Stand | 49.88 | |
| 01 55 26 00-0105 | DAY | 48" x 36" Aluminum Construction Sign, With Portable Stand | 6.15 | |
| 01 55 26 00-0106 | WK | 48" x 36" Aluminum Construction Sign, With Portable Stand | 18.46 | |
| 01 55 26 00-0107 | MO | 48" x 36" Aluminum Construction Sign, With Portable Stand | 55.39 | |
| 01 55 26 00-0108 | DAY | 48" x 48" Aluminum Construction Sign, With Portable Stand | 7.38 | |
| 01 55 26 00-0109 | WK | 48" x 48" Aluminum Construction Sign, With Portable Stand | 22.14 | |
| 01 55 26 00-0110 | MO | 48" x 48" Aluminum Construction Sign, With Portable Stand | 66.42 | |
| 01 55 26 00-0111 | DAY | 60" x 24" Aluminum Construction Sign, With Portable Stand | 8.02 | |
| 01 55 26 00-0112 | WK | 60" x 24" Aluminum Construction Sign, With Portable Stand | 24.07 | |
| 01 55 26 00-0113 | MO | 60" x 24" Aluminum Construction Sign, With Portable Stand | 72.21 | |
| 01 55 26 00-0114 | DAY | 60" x 30" Aluminum Construction Sign, With Portable Stand | 8.79 | |
| 01 55 26 00-0115 | WK | 60" x 30" Aluminum Construction Sign, With Portable Stand | 26.37 | |
| 01 55 26 00-0116 | MO | 60" x 30" Aluminum Construction Sign, With Portable Stand | 79.10 | |
| 01 55 26 00-0117 | DAY | 60" x 36" Aluminum Construction Sign, With Portable Stand | 9.55 | |
| 01 55 26 00-0118 | WK | 60" x 36" Aluminum Construction Sign, With Portable Stand | 28.66 | |
| 01 55 26 00-0119 | MO | 60" x 36" Aluminum Construction Sign, With Portable Stand | 85.99 | |
| 01 55 26 00-0120 | DAY | Aluminum Sign And Post | 4.22 | |
| 01 55 26 00-0121 | WK | Aluminum Sign And Post | 12.65 | |
| 01 55 26 00-0122 | MO | Aluminum Sign And Post | 37.94 | |
| 01 55 26 00-0123 | DAY | Trailer Mounted Flashing Arrow Board | 186.00 | |
| 01 55 26 00-0124 | WK | Trailer Mounted Flashing Arrow Board | 514.82 | |
| 01 55 26 00-0125 | MO | Trailer Mounted Flashing Arrow Board | 1,361.77 | |
| 01 55 26 00-0126 | DAY | Trailer Mounted Portable Variable Message Sign (PVMS) | 327.33 | |
| 01 55 26 00-0127 | WK | Trailer Mounted Portable Variable Message Sign (PVMS) | 872.88 | |
| 01 55 26 00-0128 | MO | Trailer Mounted Portable Variable Message Sign (PVMS) | 1,745.76 | |
| 01 55 26 00-0129 | DAY | Two Head, Trailer Mounted Traffic Signal System (Set Of Two)<br>Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer. | 1,457.96 | |
| 01 55 26 00-0130 | WK | Two Head, Trailer Mounted Traffic Signal System (Set Of Two)<br>Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer. | 4,373.88 | |
| 01 55 26 00-0131 | MO | Two Head, Trailer Mounted Traffic Signal System (Set Of Two)<br>Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer. | 13,121.64 | |

## 01 55 26 00-0132 Place And Remove Temporary Traffic Protection Using Truck *(01 55 26 00-0026)*

Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0041 for delivery >15 miles.

| | | | | |
|---|---|---|---|---|
| 01 55 26 00-0133 | EA | Placement And Removal Of Up To 250 Cones Using Truck | 4.13 | |
| 01 55 26 00-0134 | EA | Placement And Removal Of >250 Cones Using Truck | 3.62 | |
| 01 55 26 00-0135 | EA | Placement And Removal Of Up To 250 Panels/Channelizers Using Truck | 6.81 | |
| 01 55 26 00-0136 | EA | Placement And Removal Of >250 Panels/Channelizers Using Truck | 5.68 | |
| 01 55 26 00-0137 | EA | Placement And Removal Of Up To 250 Barricades Using Truck | 10.33 | |
| 01 55 26 00-0138 | EA | Placement And Removal Of >250 Barricades Using Truck | 8.26 | |
| 01 55 26 00-0139 | EA | Placement And Removal Of Curbs/Speed Bumps Using Truck | 10.33 | |
| 01 55 26 00-0140 | EA | Placement And Removal Of Portable Sign And Stand Using Truck | 6.19 | |
| 01 55 26 00-0141 | EA | Placement And Removal Of Aluminum Sign And Post Using Truck | 25.82 | |
| 01 55 26 00-0142 | EA | Placement And Removal Of Trailer Mounted Boards And Signals Using Truck | 77.45 | |
| 01 55 26 00-0143 | EA | Placement And Removal Of Up To 12.5' Concrete Traffic Barrier<br>Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks. | 104.61 | |
| | | *For 1 Barrier, Add* | *261.53* | |
| | | *For 2 Barriers, Add* | *94.15* | |
| | | *For 3 Barriers, Add* | *31.38* | |
| 01 55 26 00-0144 | EA | Placement And Removal Of >12.5' Concrete Traffic Barrier<br>Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks. | 156.92 | |
| | | *For 1 Barrier, Add* | *392.30* | |
| | | *For 2 Barriers, Add* | *141.23* | |
| | | *For 3 Barriers, Add* | *47.08* | |
| 01 55 26 00-0145 | EA | Placement And Removal Of Plastic Water Barrier<br>Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks. | 59.77 | |
| | | *For 1 Barrier, Add* | *130.75* | |
| | | *For 2 Barriers, Add* | *47.07* | |
| | | *For 3 Barriers, Add* | *15.69* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 55 26 00-0146 | EA | Placement And Removal Of Crash Attenuator Barrels<br>Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks. | 78.46 | |
| | | *For 1 Barrier, Add* | *196.15* | |
| | | *For 2 Barriers, Add* | *70.61* | |
| | | *For 3 Barriers, Add* | *23.54* | |
| 01 55 26 00-0147 | | **Place And Remove Temporary Traffic Protection From Roadside (Daily)** *(01 55 26 00-0026)* | | |
| 01 55 26 00-0148 | EA | Placement And Removal Of Up To 250 Cones By Hand From Roadside | 2.58 | |
| 01 55 26 00-0149 | EA | Placement And Removal Of >250 Cones By Hand From Roadside | 2.06 | |
| 01 55 26 00-0150 | EA | Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside | 3.44 | |
| 01 55 26 00-0151 | EA | Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside | 2.74 | |
| 01 55 26 00-0152 | EA | Placement And Removal Of Up To 250 Barricades By Hand From Roadside | 5.16 | |
| 01 55 26 00-0153 | EA | Placement And Removal Of >250 Barricades By Hand From Roadside | 4.13 | |
| 01 55 26 00-0154 | EA | Placement And Removal Of Portable Sign And Stand From Roadside | 3.18 | |
| 01 55 26 00-0155 | EA | Placement And Removal Of Trailer Mounted Boards And Signals From Roadside | 38.72 | |
| 01 55 26 00-0156 | EA | Roadside Relocation Of Concrete Traffic Barrier<br>Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks. | 52.30 | |
| 01 55 26 00-0157 | | **Place And Remove Temporary Signs For Detours** *(01 55 26 00-0026)* | | |
| 01 55 26 00-0158 | | **Temporary Reflectorized Signs For Detours** *(01 55 26 00-0157)*<br>Note: Excludes posts. | | |
| 01 55 26 00-0159 | | **Temporary Aluminum Engineer Grade Stop Signs For Detours** *(01 55 26 00-0158)* | | |
| 01 55 26 00-0160 | EA | Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours | 90.40 | |
| | | *For Hi-Intensity Grade, Add* | *6.95* | |
| | | *For Diamond Grade, Add* | *13.21* | |
| 01 55 26 00-0161 | EA | Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours | 101.27 | |
| | | *For Hi-Intensity Grade, Add* | *9.09* | |
| | | *For Diamond Grade, Add* | *17.27* | |
| 01 55 26 00-0162 | EA | Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours | 108.58 | |
| | | *For Hi-Intensity Grade, Add* | *13.89* | |
| | | *For Diamond Grade, Add* | *22.02* | |
| 01 55 26 00-0163 | EA | Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours | 121.82 | |
| | | *For Hi-Intensity Grade, Add* | *5.21* | |
| | | *For Diamond Grade, Add* | *28.20* | |
| 01 55 26 00-0164 | EA | Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours | 151.70 | |
| | | *For Hi-Intensity Grade, Add* | *15.29* | |
| | | *For Diamond Grade, Add* | *47.97* | |
| 01 55 26 00-0165 | | **Other Temporary Reflectorized Traffic Signs For Detours** *(01 55 26 00-0158)*<br>Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts. | | |
| 01 55 26 00-0166 | | **Temporary Aluminum Engineer Grade Traffic Signs For Detours** *(01 55 26 00-0165)* | | |
| 01 55 26 00-0167 | EA | Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours | 65.51 | |
| | | *For Hi-Intensity Grade, Add* | *1.72* | |
| 01 55 26 00-0168 | EA | Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours | 68.38 | |
| | | *For Hi-Intensity Grade, Add* | *2.58* | |
| 01 55 26 00-0169 | EA | Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours | 68.38 | |
| | | *For Hi-Intensity Grade, Add* | *2.58* | |
| 01 55 26 00-0170 | EA | Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours | 70.53 | |
| | | *For Hi-Intensity Grade, Add* | *3.23* | |
| 01 55 26 00-0171 | EA | Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours | 72.69 | |
| | | *For Hi-Intensity Grade, Add* | *3.88* | |
| 01 55 26 00-0172 | EA | Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours | 80.72 | |
| | | *For Hi-Intensity Grade, Add* | *5.17* | |
| 01 55 26 00-0173 | EA | Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours | 97.94 | |
| | | *For Hi-Intensity Grade, Add* | *10.33* | |
| 01 55 26 00-0174 | EA | Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours | 71.25 | |
| | | *For Hi-Intensity Grade, Add* | *3.44* | |
| 01 55 26 00-0175 | EA | Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours | 80.72 | |
| | | *For Hi-Intensity Grade, Add* | *5.17* | |
| 01 55 26 00-0176 | EA | Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours | 86.46 | |
| | | *For Hi-Intensity Grade, Add* | *6.89* | |
| 01 55 26 00-0177 | EA | Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours | 92.20 | |
| | | *For Hi-Intensity Grade, Add* | *8.61* | |
| 01 55 26 00-0178 | EA | Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours | 97.94 | |
| | | *For Hi-Intensity Grade, Add* | *10.33* | |
| 01 55 26 00-0179 | EA | Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours | 89.33 | |
| | | *For Hi-Intensity Grade, Add* | *7.75* | |
| 01 55 26 00-0180 | EA | Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours | 97.94 | |
| | | *For Hi-Intensity Grade, Add* | *10.33* | |
| 01 55 26 00-0181 | EA | Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours | 110.29 | |
| | | *For Hi-Intensity Grade, Add* | *12.92* | |
| 01 55 26 00-0182 | EA | Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours | 118.90 | |
| | | *For Hi-Intensity Grade, Add* | *15.50* | |
| 01 55 26 00-0183 | EA | Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours | 159.68 | |
| | | *For Hi-Intensity Grade, Add* | *23.25* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 55 26 00-0184 | EA | Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours | 113.16 | |
| | | *For Hi-Intensity Grade, Add* | *13.78* | |
| 01 55 26 00-0185 | EA | Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours | 124.64 | |
| | | *For Hi-Intensity Grade, Add* | *17.22* | |
| 01 55 26 00-0186 | EA | Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours | 136.12 | |
| | | *For Hi-Intensity Grade, Add* | *20.67* | |
| 01 55 26 00-0187 | EA | Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours | 162.55 | |
| | | *For Hi-Intensity Grade, Add* | *24.11* | |
| 01 55 26 00-0188 | EA | Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours | 174.03 | |
| | | *For Hi-Intensity Grade, Add* | *27.56* | |
| 01 55 26 00-0189 | EA | Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours | 185.51 | |
| | | *For Hi-Intensity Grade, Add* | *31.00* | |
| 01 55 26 00-0190 | EA | Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours | 138.99 | |
| | | *For Hi-Intensity Grade, Add* | *21.53* | |
| 01 55 26 00-0191 | EA | Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours | 168.29 | |
| | | *For Hi-Intensity Grade, Add* | *25.83* | |
| 01 55 26 00-0192 | EA | Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours | 182.64 | |
| | | *For Hi-Intensity Grade, Add* | *30.14* | |
| 01 55 26 00-0193 | EA | Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours | 211.94 | |
| | | *For Hi-Intensity Grade, Add* | *34.45* | |
| 01 55 26 00-0194 | EA | Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours | 255.57 | |
| | | *For Hi-Intensity Grade, Add* | *43.06* | |
| 01 55 26 00-0195 | EA | Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours | 185.51 | |
| | | *For Hi-Intensity Grade, Add* | *31.00* | |
| 01 55 26 00-0196 | EA | Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours | 217.68 | |
| | | *For Hi-Intensity Grade, Add* | *36.17* | |
| 01 55 26 00-0197 | EA | Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours | 249.83 | |
| | | *For Hi-Intensity Grade, Add* | *41.33* | |
| 01 55 26 00-0198 | EA | Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours | 267.05 | |
| | | *For Hi-Intensity Grade, Add* | *46.50* | |
| 01 55 26 00-0199 | EA | Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours | 299.22 | |
| | | *For Hi-Intensity Grade, Add* | *51.67* | |
| 01 55 26 00-0200 | EA | Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours | 351.48 | |
| | | *For Hi-Intensity Grade, Add* | *62.86* | |
| 01 55 26 00-0201 | EA | Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours | 365.83 | |
| | | *For Hi-Intensity Grade, Add* | *67.17* | |
| 01 55 26 00-0202 | EA | Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours | 474.35 | |
| | | *For Hi-Intensity Grade, Add* | *93.00* | |
| 01 55 26 00-0203 | EA | Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours | 252.70 | |
| | | *For Hi-Intensity Grade, Add* | *42.20* | |
| 01 55 26 00-0204 | EA | Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours | 310.71 | |
| | | *For Hi-Intensity Grade, Add* | *55.11* | |
| 01 55 26 00-0205 | EA | Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours | 348.61 | |
| | | *For Hi-Intensity Grade, Add* | *62.00* | |
| 01 55 26 00-0206 | EA | Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours | 371.57 | |
| | | *For Hi-Intensity Grade, Add* | *68.89* | |
| 01 55 26 00-0207 | EA | Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours | 416.95 | |
| | | *For Hi-Intensity Grade, Add* | *75.78* | |
| 01 55 26 00-0208 | EA | Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours | 439.91 | |
| | | *For Hi-Intensity Grade, Add* | *82.67* | |
| 01 55 26 00-0209 | EA | Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours | 500.79 | |
| | | *For Hi-Intensity Grade, Add* | *96.45* | |
| 01 55 26 00-0210 | EA | Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours | 546.71 | |
| | | *For Hi-Intensity Grade, Add* | *110.22* | |
| 01 55 26 00-0211 | EA | Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours | 569.68 | |
| | | *For Hi-Intensity Grade, Add* | *117.11* | |
| 01 55 26 00-0212 | EA | Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours | 600.10 | |
| | | *For Hi-Intensity Grade, Add* | *124.00* | |
| 01 55 26 00-0213 | EA | Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours | 523.75 | |
| | | *For Hi-Intensity Grade, Add* | *103.34* | |
| 01 55 26 00-0214 | EA | Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours | 783.81 | |
| | | *For Hi-Intensity Grade, Add* | *179.12* | |

### 01 55 26 00-0215 Temporary Overhead Sign Structures For Detours *(01 55 26 00-0157)*

Note: Including horizontal Z-bars.

| | | | | |
|---|---|---|---|---|
| 01 55 26 00-0216 | SF | From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours | 22.50 | |
| | | *For Over 10' High, Add* | *13.00* | |

### 01 55 26 00-0217 Temporary Sign Posts For Detours *(01 55 26 00-0157)*

Note: Excludes sign.

### 01 55 26 00-0218 Temporary U-Channel Sign Posts For Detours *(01 55 26 00-0217)*

Note: Excludes digging and concrete.

### 01 55 26 00-0219 Temporary Baked Enamel U-Channel Sign Posts For Detours *(01 55 26 00-0218)*

| | | | | |
|---|---|---|---|---|
| 01 55 26 00-0220 | EA | Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours | 80.85 | |
| 01 55 26 00-0221 | EA | Temporary 6' Baked Enamel U-Channel Sign Post For Detours | 104.16 | |
| 01 55 26 00-0222 | EA | Temporary 7' Baked Enamel U-Channel Sign Post For Detours | 124.60 | |
| 01 55 26 00-0223 | EA | Temporary 8' Baked Enamel U-Channel Sign Post For Detours | 145.70 | |
| 01 55 26 00-0224 | EA | Temporary 10' Baked Enamel U-Channel Sign Post For Detours | 176.23 | |
| 01 55 26 00-0225 | EA | Temporary 12' Baked Enamel U-Channel Sign Post For Detours | 187.03 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **01 55 26 00-0226** | | **Temporary Galvanized Steel U-Channel Sign Posts For Detours** *(01 55 26 00-0218)* | | |
| 01 55 26 00-0227 | EA | Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours | 84.94 | |
| 01 55 26 00-0228 | EA | Temporary 6' Galvanized Steel U-Channel Sign Post For Detours | 110.65 | |
| 01 55 26 00-0229 | EA | Temporary 7' Galvanized Steel U-Channel Sign Post For Detours | 139.26 | |
| 01 55 26 00-0230 | EA | Temporary 8' Galvanized Steel U-Channel Sign Post For Detours | 161.91 | |
| 01 55 26 00-0231 | EA | Temporary 10' Galvanized Steel U-Channel Sign Post For Detours | 188.03 | |
| 01 55 26 00-0232 | EA | Temporary 12' Galvanized Steel U-Channel Sign Post For Detours | 197.29 | |
| **01 55 26 00-0233** | | **Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours** *(01 55 26 00-0218)* | | |
| 01 55 26 00-0234 | EA | Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours | 79.89 | |
| 01 55 26 00-0235 | EA | Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours | 102.07 | |
| 01 55 26 00-0236 | EA | Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours | 122.07 | |
| 01 55 26 00-0237 | EA | Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours | 142.69 | |
| 01 55 26 00-0238 | EA | Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours | 170.76 | |
| 01 55 26 00-0239 | EA | Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours | 183.79 | |
| **01 55 26 00-0240** | | **Temporary Tubular Sign Posts For Detours** *(01 55 26 00-0217)* | | |
| | | Note: Excludes digging and concrete. | | |
| **01 55 26 00-0241** | | **Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours** *(01 55 26 00-0240)* | | |
| 01 55 26 00-0242 | EA | Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours | 111.32 | |
| 01 55 26 00-0243 | EA | Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours | 132.60 | |
| 01 55 26 00-0244 | EA | Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours | 155.97 | |
| 01 55 26 00-0245 | EA | Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours | 196.90 | |
| 01 55 26 00-0246 | EA | Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours | 210.57 | |
| **01 55 26 00-0247** | | **Temporary Square Sign Posts For Detours** *(01 55 26 00-0217)* | | |
| | | Note: Excludes digging and concrete. | | |
| **01 55 26 00-0248** | | **Temporary Galvanized Steel Square Sign Posts For Detours** *(01 55 26 00-0247)* | | |
| 01 55 26 00-0249 | EA | Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours | 85.85 | |
| 01 55 26 00-0250 | EA | Temporary 6' Galvanized Steel Square Sign Post For Detours | 126.00 | |
| 01 55 26 00-0251 | EA | Temporary 7' Galvanized Steel Square Sign Post For Detours | 148.81 | |
| 01 55 26 00-0252 | EA | Temporary 8' Galvanized Steel Square Sign Post For Detours | 173.60 | |
| 01 55 26 00-0253 | EA | Temporary 10' Galvanized Steel Square Sign Post For Detours | 211.61 | |
| 01 55 26 00-0254 | EA | Temporary 12' Galvanized Steel Square Sign Post For Detours | 227.00 | |
| **01 55 26 00-0255** | | **Temporary Breakaway Sign Posts And Bases For Detours** *(01 55 26 00-0157)* | | |
| | | Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign. | | |
| **01 55 26 00-0256** | | **Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours** *(01 55 26 00-0255)* | | |
| **01 55 26 00-0257** | | **Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours** *(01 55 26 00-0256)* | | |
| 01 55 26 00-0258 | EA | Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours | 111.00 | |
| 01 55 26 00-0259 | EA | Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours | 68.67 | |
| **01 55 26 00-0260** | | **Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours** *(01 55 26 00-0256)* | | |
| 01 55 26 00-0261 | LF | Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours | 12.70 | |
| **01 55 26 00-0262** | | **Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours** *(01 55 26 00-0255)* | | |
| **01 55 26 00-0263** | | **Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours** *(01 55 26 00-0262)* | | |
| 01 55 26 00-0264 | EA | Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours | 114.48 | |
| 01 55 26 00-0265 | EA | Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours | 68.67 | |
| **01 55 26 00-0266** | | **Temporary Breakaway Sign Posts, 4 Lb./LF For Detours** *(01 55 26 00-0262)* | | |
| 01 55 26 00-0267 | LF | Temporary Breakaway Sign Post, 4 Lb./LF For Detours | 14.86 | |
| **01 55 26 00-0268** | | **Temporary Driven Sign Posts For Detours** *(01 55 26 00-0255)* | | |
| **01 55 26 00-0269** | | **Temporary Driven Posts, 2.5 Lb./LF For Detours** *(01 55 26 00-0268)* | | |
| 01 55 26 00-0270 | LF | Temporary Driven Post, 2.5 Lb./LF For Detours | 14.69 | |
| | | *For Each Soil Plate, Add* | *3.00* | |
| **01 55 26 00-0271** | | **Temporary Driven Posts, 4 Lb./LF For Detours** *(01 55 26 00-0268)* | | |
| 01 55 26 00-0272 | LF | Temporary Driven Post, 4 Lb./LF For Detours | 17.85 | |
| | | *For Each Soil Plate, Add* | *3.00* | |


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| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 55 26 00-0273 | | Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours *(01 55 26 00-0255)* | | |
| 01 55 26 00-0274 | | Temporary Omni-Directional Breakaway Systems For Signs For Detours *(01 55 26 00-0273)* | | |
| | | Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling. | | |
| 01 55 26 00-0275 | EA | Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525) | 1,202.08 | |
| 01 55 26 00-0276 | EA | Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650) | 1,281.03 | |
| 01 55 26 00-0277 | EA | Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6) | 878.20 | |
| 01 55 26 00-0278 | EA | Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5) | 769.18 | |
| 01 55 26 00-0279 | EA | Temporary Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4) | 872.16 | |
| 01 55 26 00-0280 | EA | Temporary Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6) | 829.77 | |
| 01 55 26 00-0281 | EA | Temporary Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6) | 773.49 | |
| 01 55 26 00-0282 | | Temporary Omni-Directional Breakaway Systems For Poles For Detours *(01 55 26 00-0273)* | | |
| | | Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles. | | |
| 01 55 26 00-0283 | EA | Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings | 433.88 | |
| 01 55 26 00-0284 | EA | Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings | 454.93 | |
| 01 55 26 00-0285 | EA | Temporary Omni-Directional Breakaway System For Poles With 1" Couplings | 472.41 | |
| 01 55 26 00-0286 | EA | Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings | 717.32 | |
| 01 55 26 00-0287 | EA | Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15" | 62.99 | |
| 01 55 26 00-0288 | EA | Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20" | 83.98 | |
| 01 55 26 00-0289 | | Temporary Rumble Strips *(01 55 26)* | | |
| | | Note: Includes removal after use. | | |
| 01 55 26 00-0290 | LF | 1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip | 14.10 | |
| 01 55 26 00-0291 | LF | 1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip | 10.18 | |

## 01 56 Temporary Barriers and Enclosures *(01 50)*

Note: Includes removal after use.

### 01 56 16 Temporary Dust Barriers *(01 56)*

| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 56 16 00-0001 | | Sticky Mats *(01 56 16)* | | |
| | | Note: Includes removal after use. | | |
| 01 56 16 00-0002 | EA | 18" x 36", 30 Layer Sticky Mat | 39.09 | |
| | | Note: Includes removal after use. | | |
| | | *For 60 Layers Instead Of 30, Add* | | *25.58* |
| 01 56 16 00-0003 | EA | 18" x 46", 30 Layer Sticky Mat | 44.78 | |
| | | Note: Includes removal after use. | | |
| | | *For 60 Layers Instead Of 30, Add* | | *29.85* |
| 01 56 16 00-0004 | EA | 24" x 36", 30 Layer Sticky Mat | 44.78 | |
| | | Note: Includes removal after use. | | |
| | | *For 60 Layers Instead Of 30, Add* | | *29.85* |
| 01 56 16 00-0005 | EA | 25" x 45", 30 Layer Sticky Mat | 58.99 | |
| | | Note: Includes removal after use. | | |
| | | *For 60 Layers Instead Of 30, Add* | | *40.51* |
| 01 56 16 00-0006 | EA | 36" x 36", 30 Layer Sticky Mat | 64.68 | |
| | | Note: Includes removal after use. | | |
| | | *For 60 Layers Instead Of 30, Add* | | *44.78* |
| 01 56 16 00-0007 | EA | 36" x 46", 30 Layer Sticky Mat | 70.36 | |
| | | Note: Includes removal after use. | | |
| | | *For 60 Layers Instead Of 30, Add* | | *49.04* |
| 01 56 16 00-0008 | EA | 36" x 60", 30 Layer Sticky Mat | 141.44 | |
| | | Note: Includes removal after use. | | |
| | | *For 60 Layers Instead Of 30, Add* | | *102.35* |
| 01 56 16 00-0009 | EA | 36" x 72", 30 Layer Sticky Mat | 168.73 | |
| | | Note: Includes removal after use. | | |
| 01 56 16 00-0010 | | Temporary Sheeting For Protection *(01 56 16)* | | |
| | | Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control. | | |
| 01 56 16 00-0011 | SF | 6 Mil, Plastic Sheeting, Applied To Floors | 0.42 | |
| | | Note: Includes removal after use. | | |
| 01 56 16 00-0012 | SF | 6 Mil, Plastic Sheeting, Applied To Walls | 0.55 | |
| | | Note: Includes removal after use. | | |
| 01 56 16 00-0013 | SF | 6 Mil, Plastic Sheeting, Applied To Ceilings | 0.73 | |
| | | Note: Includes removal after use. | | |
| 01 56 16 00-0014 | SF | 6 Mil, Plastic Sheeting, Applied To Scaffolding | 0.72 | |
| | | Note: Includes removal after use. | | |
| 01 56 16 00-0015 | SF | 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors | 0.50 | |
| | | Note: Includes removal after use. | | |
| 01 56 16 00-0016 | SF | 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls | 0.63 | |
| | | Note: Includes removal after use. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 56 16 00-0017 | SF | 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings<br>Note: Includes removal after use. | 0.81 | |
| 01 56 16 00-0018 | SF | 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding<br>Note: Includes removal after use. | 0.76 | |
| 01 56 16 00-0019 | SF | 10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding<br>Note: Includes removal after use. | 0.98 | |
| 01 56 16 00-0020 | SF | 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors<br>Note: Includes removal after use. | 0.53 | |
| 01 56 16 00-0021 | SF | 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls<br>Note: Includes removal after use. | 0.66 | |
| 01 56 16 00-0022 | SF | 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings<br>Note: Includes removal after use. | 0.84 | |
| 01 56 16 00-0023 | SF | 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding<br>Note: Includes removal after use. | 0.79 | |
| 01 56 16 00-0024 | SF | 6 Mil, Reinforced, Plastic Sheeting, Applied To Floors<br>Note: Includes removal after use. | 0.52 | |
| 01 56 16 00-0025 | SF | 6 Mil, Reinforced, Plastic Sheeting, Applied To Walls<br>Note: Includes removal after use. | 0.65 | |
| 01 56 16 00-0026 | SF | 6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings<br>Note: Includes removal after use. | 0.83 | |
| 01 56 16 00-0027 | SF | 6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding<br>Note: Includes removal after use. | 0.78 | |
| 01 56 16 00-0028 | SF | 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors<br>Note: Includes removal after use. | 0.59 | |
| 01 56 16 00-0029 | SF | 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls<br>Note: Includes removal after use. | 0.72 | |
| 01 56 16 00-0030 | SF | 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings<br>Note: Includes removal after use. | 0.90 | |
| 01 56 16 00-0031 | SF | 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding<br>Note: Includes removal after use. | 0.85 | |
| **01 56 16 00-0032** | | **Temporary Canvas For Protection** *(01 56 16)*<br>Note: Includes removal after use. | | |
| 01 56 16 00-0033 | SF | Heavy-Duty Woven Water Repellant Canvas, Applied To Walls | 1.11 | |
| **01 56 16 00-0034** | | **Accessories For Temporary Sheeting** *(01 56 16)*<br>Note: Includes removal after use. | | |
| 01 56 16 00-0035 | EA | 7' Zipper Door For Plastic Sheeting<br>Note: Includes removal after use. | 21.31 | |
| 01 56 16 00-0036 | LF | Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall)<br>Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use. | 9.19 | |
| **01 56 16 00-0037** | | **Temporary Critical Barriers For Protection** *(01 56 16)*<br>Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control. | | |
| 01 56 16 00-0038 | EA | Up To 1 SF Individual Critical Barriers For Outlets And Receptacles<br>Note: Includes removal after use. | 11.21 | |
| 01 56 16 00-0039 | EA | >1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc.<br>Note: Includes removal after use. | 17.03 | |
| 01 56 16 00-0040 | EA | >4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc.<br>Note: Includes removal after use. | 22.92 | |
| 01 56 16 00-0041 | EA | >8 To 32 SF Individual Critical Barriers For Doors, Windows, etc.<br>Note: Includes removal after use. | 36.07 | |
| **01 56 16 00-0042** | | **Temporary Stud Wall** *(01 56 16)*<br>Note: Includes removal after use. | | |
| **01 56 16 00-0043** | | **Temporary Stud Wall With Drywall** *(01 56 16 00-0042)*<br>Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint. | | |
| **01 56 16 00-0044** | | **Temporary Stud Wall With Drywall** *(01 56 16 00-0043)* | | |
| 01 56 16 00-0045 | SF | 3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 6.09 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0046 | SF | 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 6.09 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0047 | SF | 5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 6.22 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0048 | SF | 3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 8.52 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| 01 56 16 00-0049 | SF | 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 8.52 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| 01 56 16 00-0050 | SF | 5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 8.78 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **01 56 16 00-0051** | | **Temporary Stud Wall With Fire Rated Drywall** *(01 56 16 00-0043)* | | |
| 01 56 16 00-0052 | SF | 1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 6.24 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0053 | SF | 5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 6.28 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0054 | SF | 5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 6.20 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0055 | SF | 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 7.20 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0056 | SF | 1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 8.81 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| 01 56 16 00-0057 | SF | 5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 8.90 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| 01 56 16 00-0058 | SF | 5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 8.75 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| 01 56 16 00-0059 | SF | 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 10.73 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| **01 56 16 00-0060** | | **Temporary Stud Wall With Oriented Strand Board (OSB)** *(01 56 16 00-0042)*<br>Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint. | | |
| 01 56 16 00-0061 | SF | 7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 5.87 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0062 | SF | 1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 5.91 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0063 | SF | 5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 6.05 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0064 | SF | 3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 6.12 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0065 | SF | 7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 8.07 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| 01 56 16 00-0066 | SF | 1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 8.16 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| 01 56 16 00-0067 | SF | 5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 8.43 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| 01 56 16 00-0068 | SF | 3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 8.57 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| **01 56 16 00-0069** | | **Temporary Stud Wall With BC Plywood** *(01 56 16 00-0042)*<br>Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint. | | |
| 01 56 16 00-0070 | SF | 3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 6.18 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0071 | SF | 1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 6.36 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0072 | SF | 5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 6.71 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0073 | SF | 3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 6.88 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.14* | |
| 01 56 16 00-0074 | SF | 3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 8.71 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| 01 56 16 00-0075 | SF | 1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 9.05 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| 01 56 16 00-0076 | SF | 5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 9.75 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 56 16 00-0077 | SF | 3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 10.09 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.23* | |
| 01 56 16 00-0078 | | **Temporary Stud Wall With Plastic Sheeting** *(01 56 16 00-0042)*<br>Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use. | | |
| 01 56 16 00-0079 | SF | 6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 3.43 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.03* | |
| 01 56 16 00-0080 | SF | 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 3.51 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.03* | |
| 01 56 16 00-0081 | SF | 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 3.54 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.03* | |
| 01 56 16 00-0082 | SF | 6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 3.53 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.03* | |
| 01 56 16 00-0083 | SF | 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center<br>Note: Includes removal after use. | 3.60 | |
| | | *For Metal Studs 24" On Center, Add/Deduct* | *1.03* | |
| 01 56 16 00-0084 | | **14' High Temporary Stud Walls** *(01 56 16 00-0042)* | | |
| 01 56 16 00-0085 | LF | 14' High Temporary Stud Wall<br>Note: Includes 2" x 4" wood studs 16" O.C., with 2" x 4" top and bottom stud, 3/4" plywood on one side, 5/8" gypsum board on one side, firetaped and finished, visqueen with 2' lap welded seams, R13 insulation and caulked at top and bottom. | 150.15 | |
| 01 56 16 00-0086 | | **Temporary Doors** *(01 56 16 00-0042)*<br>Note: For temporary stud walls. Includes removal after use. | | |
| 01 56 16 00-0087 | EA | Temporary Metal Door And Frame<br>Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use. | 563.69 | |
| 01 56 16 00-0088 | | **Temporary Floor Protection** *(01 56 16)*<br>Note: Includes removal after use. | | |
| 01 56 16 00-0089 | SF | 1/8" Thick, Masonite For Temporary Floor Protection<br>Note: Includes removal after use. | 1.69 | |
| 01 56 16 00-0090 | SF | 1/2" Thick, Plywood For Temporary Floor Protection<br>Note: Includes removal after use. | 1.71 | |
| 01 56 16 00-0091 | SF | 3/4" Thick, Plywood For Temporary Floor Protection<br>Note: Includes removal after use. | 2.04 | |
| 01 56 16 00-0092 | LF | 38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection<br>Note: Includes removal after use. | 1.11 | |
| 01 56 16 00-0093 | LF | 36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection<br>Note: Includes removal after use. | 0.37 | |
| 01 56 16 00-0094 | CSF | 3 Mil, Temporary Self-adhesive Carpet Protection Film<br>Note: Includes removal after use. | 28.59 | |
| 01 56 16 00-0095 | SF | Burlap For Temporary Floor Protection<br>Note: Includes removal after use. | 0.81 | |
| **01 56 26** | | **Temporary Fencing** *(01 56)* | | |
| 01 56 26 00-0001 | | **Temporary Fencing** *(01 56 26)* | | |
| 01 56 26 00-0002 | | **Temporary Chain Link Fence** *(01 56 26 00-0001)*<br>Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0082 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts. | | |
| 01 56 26 00-0003 | | **Temporary Chain Link Fence, Up To 6 Months** *(01 56 26 00-0002)* | | |
| 01 56 26 00-0004 | LF | Temporary 4' High Chain Link Fence And Posts, Up To 6 Months | 7.37 | |
| | | *For >100 To 250, Deduct* | *-0.17* | |
| | | *For >250 To 500, Deduct* | *-0.34* | |
| | | *For >500, Deduct* | *-0.51* | |
| | | *For Each LF Shade Cloth, Add* | *1.60* | |
| 01 56 26 00-0005 | LF | Temporary 6' High Chain Link Fence And Posts, Up To 6 Months | 8.20 | |
| | | *For >100 To 250, Deduct* | *-0.19* | |
| | | *For >250 To 500, Deduct* | *-0.38* | |
| | | *For >500, Deduct* | *-0.57* | |
| | | *For Each LF Shade Cloth, Add* | *2.55* | |
| 01 56 26 00-0006 | LF | Temporary 8' High Chain Link Fence And Posts, Up To 6 Months | 11.24 | |
| | | *For >100 To 250, Deduct* | *-0.32* | |
| | | *For >250 To 500, Deduct* | *-0.65* | |
| | | *For >500, Deduct* | *-0.97* | |
| | | *For Each LF Shade Cloth, Add* | *3.60* | |
| 01 56 26 00-0007 | LF | Temporary 10' High Chain Link Fence And Posts, Up To 6 Months | 24.47 | |
| | | *For >100 To 250, Deduct* | *-0.96* | |
| | | *For >250 To 500, Deduct* | *-1.92* | |
| | | *For >500, Deduct* | *-2.88* | |
| | | *For Each LF Shade Cloth, Add* | *4.75* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **01 56 26 00-0008** | | **Temporary Chain Link Fence, >6 To 12 Months** *(01 56 26 00-0002)* | | |
| 01 56 26 00-0009 | LF | Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months | 7.71 | |
| | | *For >100 To 250, Deduct* | *-0.19* | |
| | | *For >250 To 500, Deduct* | *-0.37* | |
| | | *For >500, Deduct* | *-0.56* | |
| | | *For Each LF Shade Cloth, Add* | *1.60* | |
| 01 56 26 00-0010 | LF | Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months | 8.58 | |
| | | *For >100 To 250, Deduct* | *-0.21* | |
| | | *For >250 To 500, Deduct* | *-0.42* | |
| | | *For >500, Deduct* | *-0.63* | |
| | | *For Each LF Shade Cloth, Add* | *2.55* | |
| 01 56 26 00-0011 | LF | Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months | 11.88 | |
| | | *For >100 To 250, Deduct* | *-0.35* | |
| | | *For >250 To 500, Deduct* | *-0.71* | |
| | | *For >500, Deduct* | *-1.06* | |
| | | *For Each LF Shade Cloth, Add* | *3.60* | |
| 01 56 26 00-0012 | LF | Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months | 26.38 | |
| | | *For >100 To 250, Deduct* | *-1.06* | |
| | | *For >250 To 500, Deduct* | *-2.11* | |
| | | *For >500, Deduct* | *-3.17* | |
| | | *For Each LF Shade Cloth, Add* | *4.75* | |
| **01 56 26 00-0013** | | **Temporary Chain Link Fence, >12 To 18 Months** *(01 56 26 00-0002)* | | |
| 01 56 26 00-0014 | LF | Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months | 8.09 | |
| | | *For >100 To 250, Deduct* | *-0.21* | |
| | | *For >250 To 500, Deduct* | *-0.41* | |
| | | *For >500, Deduct* | *-0.62* | |
| | | *For Each LF Shade Cloth, Add* | *1.60* | |
| 01 56 26 00-0015 | LF | Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months | 9.01 | |
| | | *For >100 To 250, Deduct* | *-0.23* | |
| | | *For >250 To 500, Deduct* | *-0.46* | |
| | | *For >500, Deduct* | *-0.69* | |
| | | *For Each LF Shade Cloth, Add* | *2.55* | |
| 01 56 26 00-0016 | LF | Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months | 12.60 | |
| | | *For >100 To 250, Deduct* | *-0.39* | |
| | | *For >250 To 500, Deduct* | *-0.78* | |
| | | *For >500, Deduct* | *-1.17* | |
| | | *For Each LF Shade Cloth, Add* | *3.60* | |
| 01 56 26 00-0017 | LF | Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months | 28.49 | |
| | | *For >100 To 250, Deduct* | *-1.16* | |
| | | *For >250 To 500, Deduct* | *-2.32* | |
| | | *For >500, Deduct* | *-3.48* | |
| | | *For Each LF Shade Cloth, Add* | *4.75* | |
| **01 56 26 00-0018** | | **Temporary Chain Link Fence, >18 Months** *(01 56 26 00-0002)* | | |
| 01 56 26 00-0019 | LF | Temporary 4' High Chain Link Fence And Posts, >18 Months | 8.50 | |
| | | *For >100 To 250, Deduct* | *-0.23* | |
| | | *For >250 To 500, Deduct* | *-0.45* | |
| | | *For >500, Deduct* | *-0.68* | |
| | | *For Each LF Shade Cloth, Add* | *1.60* | |
| 01 56 26 00-0020 | LF | Temporary 6' High Chain Link Fence And Posts, >18 Months | 9.44 | |
| | | *For >100 To 250, Deduct* | *-0.25* | |
| | | *For >250 To 500, Deduct* | *-0.51* | |
| | | *For >500, Deduct* | *-0.76* | |
| | | *For Each LF Shade Cloth, Add* | *2.55* | |
| 01 56 26 00-0021 | LF | Temporary 8' High Chain Link Fence And Posts, >18 Months | 13.37 | |
| | | *For >100 To 250, Deduct* | *-0.43* | |
| | | *For >250 To 500, Deduct* | *-0.86* | |
| | | *For >500, Deduct* | *-1.29* | |
| | | *For Each LF Shade Cloth, Add* | *3.60* | |
| 01 56 26 00-0022 | LF | Temporary 10' High Chain Link Fence And Posts, >18 Months | 30.81 | |
| | | *For >100 To 250, Deduct* | *-1.28* | |
| | | *For >250 To 500, Deduct* | *-2.55* | |
| | | *For >500, Deduct* | *-3.83* | |
| | | *For Each LF Shade Cloth, Add* | *4.75* | |
| **01 56 26 00-0023** | | **Temporary Chain Link Fence Gates** *(01 56 26 00-0001)* | | |
| | | Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0082 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts. | | |
| **01 56 26 00-0024** | | **Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0023)* | | |
| **01 56 26 00-0025** | | **4' High, Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0024)* | | |
| 01 56 26 00-0026 | EA | 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months | 290.42 | |
| | | *For Each LF Shade Cloth, Add* | *16.11* | |
| 01 56 26 00-0027 | EA | 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months | 494.93 | |
| | | *For Each LF Shade Cloth, Add* | *40.27* | |
| 01 56 26 00-0028 | EA | 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months | 553.83 | |
| | | *For Each LF Shade Cloth, Add* | *48.32* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 56 26 00-0029 | EA | 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months | 630.64 | |
| | | *For Each LF Shade Cloth, Add* | *60.40* | |
| 01 56 26 00-0030 | EA | 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months | 754.90 | |
| | | *For Each LF Shade Cloth, Add* | *80.53* | |
| 01 56 26 00-0031 | EA | 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months | 840.81 | |
| | | *For Each LF Shade Cloth, Add* | *96.64* | |
| **01 56 26 00-0032** | | **6' High, Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0024)* | | |
| 01 56 26 00-0033 | EA | 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months | 311.19 | |
| | | *For Each LF Shade Cloth, Add* | *25.67* | |
| 01 56 26 00-0034 | EA | 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months | 535.08 | |
| | | *For Each LF Shade Cloth, Add* | *64.18* | |
| 01 56 26 00-0035 | EA | 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months | 600.13 | |
| | | *For Each LF Shade Cloth, Add* | *77.01* | |
| 01 56 26 00-0036 | EA | 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months | 696.09 | |
| | | *For Each LF Shade Cloth, Add* | *96.26* | |
| 01 56 26 00-0037 | EA | 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months | 841.14 | |
| | | *For Each LF Shade Cloth, Add* | *128.35* | |
| 01 56 26 00-0038 | EA | 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months | 955.59 | |
| | | *For Each LF Shade Cloth, Add* | *154.02* | |
| **01 56 26 00-0039** | | **8' High, Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0024)* | | |
| 01 56 26 00-0040 | EA | 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months | 347.67 | |
| | | *For Each LF Shade Cloth, Add* | *36.24* | |
| 01 56 26 00-0041 | EA | 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months | 613.99 | |
| | | *For Shade Cloth, Add* | *90.60* | |
| 01 56 26 00-0042 | EA | 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months | 686.25 | |
| | | *For Shade Cloth, Add* | *108.72* | |
| 01 56 26 00-0043 | EA | 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months | 786.01 | |
| | | *For Shade Cloth, Add* | *135.90* | |
| 01 56 26 00-0044 | EA | 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months | 960.60 | |
| | | *For Shade Cloth, Add* | *181.20* | |
| 01 56 26 00-0045 | EA | 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months | 1,116.83 | |
| | | *For Shade Cloth, Add* | *217.44* | |
| **01 56 26 00-0046** | | **10' High, Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0024)* | | |
| 01 56 26 00-0047 | EA | 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months | 420.75 | |
| | | *For Each LF Shade Cloth, Add* | *47.82* | |
| 01 56 26 00-0048 | EA | 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months | 735.37 | |
| | | *For Each LF Shade Cloth, Add* | *119.54* | |
| 01 56 26 00-0049 | EA | 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months | 823.60 | |
| | | *For Each LF Shade Cloth, Add* | *143.45* | |
| 01 56 26 00-0050 | EA | 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months | 941.92 | |
| | | *For Each LF Shade Cloth, Add* | *179.31* | |
| 01 56 26 00-0051 | EA | 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months | 1,151.45 | |
| | | *For Each LF Shade Cloth, Add* | *239.09* | |
| 01 56 26 00-0052 | EA | 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months | 1,332.53 | |
| | | *For Each LF Shade Cloth, Add* | *286.90* | |
| **01 56 26 00-0053** | | **Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0023)* | | |
| **01 56 26 00-0054** | | **4' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)* | | |
| 01 56 26 00-0055 | EA | 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 301.21 | |
| | | *For Each LF Shade Cloth, Add* | *16.11* | |
| 01 56 26 00-0056 | EA | 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 511.71 | |
| | | *For Each LF Shade Cloth, Add* | *40.27* | |
| 01 56 26 00-0057 | EA | 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 573.00 | |
| | | *For Each LF Shade Cloth, Add* | *48.32* | |
| 01 56 26 00-0058 | EA | 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 652.21 | |
| | | *For Each LF Shade Cloth, Add* | *60.40* | |
| 01 56 26 00-0059 | EA | 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 781.26 | |
| | | *For Each LF Shade Cloth, Add* | *80.53* | |
| 01 56 26 00-0060 | EA | 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 869.57 | |
| | | *For Each LF Shade Cloth, Add* | *96.64* | |
| **01 56 26 00-0061** | | **6' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)* | | |
| 01 56 26 00-0062 | EA | 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 322.46 | |
| | | *For Each LF Shade Cloth, Add* | *25.67* | |
| 01 56 26 00-0063 | EA | 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 552.62 | |
| | | *For Each LF Shade Cloth, Add* | *64.18* | |
| 01 56 26 00-0064 | EA | 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 620.17 | |
| | | *For Each LF Shade Cloth, Add* | *77.01* | |
| 01 56 26 00-0065 | EA | 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 718.64 | |
| | | *For Each LF Shade Cloth, Add* | *96.26* | |
| 01 56 26 00-0066 | EA | 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 868.70 | |
| | | *For Each LF Shade Cloth, Add* | *128.35* | |
| 01 56 26 00-0067 | EA | 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 985.66 | |
| | | *For Each LF Shade Cloth, Add* | *154.02* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **01 56 26 00-0068** | | **8' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)* | | |
| 01 56 26 00-0069 | EA | 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 360.08 | |
| | | *For Each LF Shade Cloth, Add* | *36.24* | |
| 01 56 26 00-0070 | EA | 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 633.29 | |
| | | *For Shade Cloth, Add* | *90.60* | |
| 01 56 26 00-0071 | EA | 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 708.30 | |
| | | *For Shade Cloth, Add* | *108.72* | |
| 01 56 26 00-0072 | EA | 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 810.82 | |
| | | *For Shade Cloth, Add* | *135.90* | |
| 01 56 26 00-0073 | EA | 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 990.93 | |
| | | *For Shade Cloth, Add* | *181.20* | |
| 01 56 26 00-0074 | EA | 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 1,149.91 | |
| | | *For Shade Cloth, Add* | *217.44* | |
| **01 56 26 00-0075** | | **10' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)* | | |
| 01 56 26 00-0076 | EA | 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 436.26 | |
| | | *For Each LF Shade Cloth, Add* | *47.82* | |
| 01 56 26 00-0077 | EA | 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 759.49 | |
| | | *For Each LF Shade Cloth, Add* | *119.54* | |
| 01 56 26 00-0078 | EA | 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 851.16 | |
| | | *For Each LF Shade Cloth, Add* | *143.45* | |
| 01 56 26 00-0079 | EA | 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 972.93 | |
| | | *For Each LF Shade Cloth, Add* | *179.31* | |
| 01 56 26 00-0080 | EA | 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 1,189.35 | |
| | | *For Each LF Shade Cloth, Add* | *239.09* | |
| 01 56 26 00-0081 | EA | 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months | 1,373.87 | |
| | | *For Each LF Shade Cloth, Add* | *286.90* | |
| **01 56 26 00-0082** | | **Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0023)* | | |
| **01 56 26 00-0083** | | **4' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)* | | |
| 01 56 26 00-0084 | EA | 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 312.54 | |
| | | *For Each LF Shade Cloth, Add* | *16.11* | |
| 01 56 26 00-0085 | EA | 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 529.33 | |
| | | *For Each LF Shade Cloth, Add* | *40.27* | |
| 01 56 26 00-0086 | EA | 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 593.13 | |
| | | *For Each LF Shade Cloth, Add* | *48.32* | |
| 01 56 26 00-0087 | EA | 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 674.86 | |
| | | *For Each LF Shade Cloth, Add* | *60.40* | |
| 01 56 26 00-0088 | EA | 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 808.94 | |
| | | *For Each LF Shade Cloth, Add* | *80.53* | |
| 01 56 26 00-0089 | EA | 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 899.77 | |
| | | *For Each LF Shade Cloth, Add* | *96.64* | |
| **01 56 26 00-0090** | | **6' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)* | | |
| 01 56 26 00-0091 | EA | 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 334.30 | |
| | | *For Each LF Shade Cloth, Add* | *25.67* | |
| 01 56 26 00-0092 | EA | 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 571.03 | |
| | | *For Each LF Shade Cloth, Add* | *64.18* | |
| 01 56 26 00-0093 | EA | 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 641.22 | |
| | | *For Each LF Shade Cloth, Add* | *77.01* | |
| 01 56 26 00-0094 | EA | 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 742.32 | |
| | | *For Each LF Shade Cloth, Add* | *96.26* | |
| 01 56 26 00-0095 | EA | 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 897.64 | |
| | | *For Each LF Shade Cloth, Add* | *128.35* | |
| 01 56 26 00-0096 | EA | 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 1,017.23 | |
| | | *For Each LF Shade Cloth, Add* | *154.02* | |
| **01 56 26 00-0097** | | **8' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)* | | |
| 01 56 26 00-0098 | EA | 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 373.10 | |
| | | *For Each LF Shade Cloth, Add* | *36.24* | |
| 01 56 26 00-0099 | EA | 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 653.55 | |
| | | *For Shade Cloth, Add* | *90.60* | |
| 01 56 26 00-0100 | EA | 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 731.46 | |
| | | *For Shade Cloth, Add* | *108.72* | |
| 01 56 26 00-0101 | EA | 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 836.86 | |
| | | *For Shade Cloth, Add* | *135.90* | |
| 01 56 26 00-0102 | EA | 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 1,022.76 | |
| | | *For Shade Cloth, Add* | *181.20* | |
| 01 56 26 00-0103 | EA | 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 1,184.64 | |
| | | *For Shade Cloth, Add* | *217.44* | |
| **01 56 26 00-0104** | | **10' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)* | | |
| 01 56 26 00-0105 | EA | 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 452.54 | |
| | | *For Each LF Shade Cloth, Add* | *47.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 56 26 00-0106 | EA | 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 784.81 | |
| | | *For Each LF Shade Cloth, Add* | *119.54* | |
| 01 56 26 00-0107 | EA | 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 880.10 | |
| | | *For Each LF Shade Cloth, Add* | *143.45* | |
| 01 56 26 00-0108 | EA | 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 1,005.49 | |
| | | *For Each LF Shade Cloth, Add* | *179.31* | |
| 01 56 26 00-0109 | EA | 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 1,229.14 | |
| | | *For Each LF Shade Cloth, Add* | *239.09* | |
| 01 56 26 00-0110 | EA | 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months | 1,417.28 | |
| | | *For Each LF Shade Cloth, Add* | *286.90* | |

## 01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*

## 01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

| | | | | |
|---|---|---|---|---|
| 01 56 26 00-0113 | EA | 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months | 323.86 | |
| | | *For Each LF Shade Cloth, Add* | *16.11* | |
| 01 56 26 00-0114 | EA | 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months | 546.94 | |
| | | *For Each LF Shade Cloth, Add* | *40.27* | |
| 01 56 26 00-0115 | EA | 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months | 613.27 | |
| | | *For Each LF Shade Cloth, Add* | *48.32* | |
| 01 56 26 00-0116 | EA | 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months | 697.51 | |
| | | *For Each LF Shade Cloth, Add* | *60.40* | |
| 01 56 26 00-0117 | EA | 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months | 836.63 | |
| | | *For Each LF Shade Cloth, Add* | *80.53* | |
| 01 56 26 00-0118 | EA | 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months | 929.97 | |
| | | *For Each LF Shade Cloth, Add* | *96.64* | |

## 01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

| | | | | |
|---|---|---|---|---|
| 01 56 26 00-0120 | EA | 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months | 346.14 | |
| | | *For Each LF Shade Cloth, Add* | *25.67* | |
| 01 56 26 00-0121 | EA | 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months | 589.45 | |
| | | *For Each LF Shade Cloth, Add* | *64.18* | |
| 01 56 26 00-0122 | EA | 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months | 662.27 | |
| | | *For Each LF Shade Cloth, Add* | *77.01* | |
| 01 56 26 00-0123 | EA | 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months | 766.00 | |
| | | *For Each LF Shade Cloth, Add* | *96.26* | |
| 01 56 26 00-0124 | EA | 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months | 926.59 | |
| | | *For Each LF Shade Cloth, Add* | *128.35* | |
| 01 56 26 00-0125 | EA | 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months | 1,048.80 | |
| | | *For Each LF Shade Cloth, Add* | *154.02* | |

## 01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

| | | | | |
|---|---|---|---|---|
| 01 56 26 00-0127 | EA | 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months | 386.13 | |
| | | *For Each LF Shade Cloth, Add* | *36.24* | |
| 01 56 26 00-0128 | EA | 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months | 673.81 | |
| | | *For Shade Cloth, Add* | *90.60* | |
| 01 56 26 00-0129 | EA | 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months | 754.61 | |
| | | *For Shade Cloth, Add* | *108.72* | |
| 01 56 26 00-0130 | EA | 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months | 862.91 | |
| | | *For Shade Cloth, Add* | *135.90* | |
| 01 56 26 00-0131 | EA | 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months | 1,054.60 | |
| | | *For Shade Cloth, Add* | *181.20* | |
| 01 56 26 00-0132 | EA | 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months | 1,219.37 | |
| | | *For Shade Cloth, Add* | *217.44* | |

## 01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

| | | | | |
|---|---|---|---|---|
| 01 56 26 00-0134 | EA | 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months | 468.82 | |
| | | *For Each LF Shade Cloth, Add* | *47.82* | |
| 01 56 26 00-0135 | EA | 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months | 810.13 | |
| | | *For Each LF Shade Cloth, Add* | *119.54* | |
| 01 56 26 00-0136 | EA | 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months | 909.05 | |
| | | *For Each LF Shade Cloth, Add* | *143.45* | |
| 01 56 26 00-0137 | EA | 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months | 1,038.05 | |
| | | *For Each LF Shade Cloth, Add* | *179.31* | |
| 01 56 26 00-0138 | EA | 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months | 1,268.94 | |
| | | *For Each LF Shade Cloth, Add* | *239.09* | |
| 01 56 26 00-0139 | EA | 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months | 1,460.70 | |
| | | *For Each LF Shade Cloth, Add* | *286.90* | |

## 01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) *(01 56 26 00-0001)*

Note: Includes delivery, set-up and removal. Excludes sandbags.

## 01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months *(01 56 26 00-0140)*

| | | | | |
|---|---|---|---|---|
| 01 56 26 00-0142 | LF | Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months | 8.03 | |
| | | *For >100 To 250, Deduct* | *-0.20* | |
| | | *For >250 To 500, Deduct* | *-0.41* | |
| | | *For >500, Deduct* | *-0.61* | |
| | | *For Each LF Shade Cloth, Add* | *1.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 56 26 00-0143 | LF | Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months | 8.92 | |
| | | *For >100 To 250, Deduct* | *-0.23* | |
| | | *For >250 To 500, Deduct* | *-0.45* | |
| | | *For >500, Deduct* | *-0.68* | |
| | | *For Each LF Shade Cloth, Add* | *2.55* | |
| 01 56 26 00-0144 | LF | Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months | 12.11 | |
| | | *For >100 To 250, Deduct* | *-0.37* | |
| | | *For >250 To 500, Deduct* | *-0.73* | |
| | | *For >500, Deduct* | *-1.10* | |
| | | *For Each LF Shade Cloth, Add* | *3.60* | |

## 01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months *(01 56 26 00-0140)*

| | | | | |
|---|---|---|---|---|
| 01 56 26 00-0146 | LF | Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months | 8.38 | |
| | | *For >100 To 250, Deduct* | *-0.22* | |
| | | *For >250 To 500, Deduct* | *-0.44* | |
| | | *For >500, Deduct* | *-0.66* | |
| | | *For Each LF Shade Cloth, Add* | *1.60* | |
| 01 56 26 00-0147 | LF | Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months | 9.30 | |
| | | *For >100 To 250, Deduct* | *-0.25* | |
| | | *For >250 To 500, Deduct* | *-0.49* | |
| | | *For >500, Deduct* | *-0.74* | |
| | | *For Each LF Shade Cloth, Add* | *2.55* | |
| 01 56 26 00-0148 | LF | Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months | 12.75 | |
| | | *For >100 To 250, Deduct* | *-0.40* | |
| | | *For >250 To 500, Deduct* | *-0.80* | |
| | | *For >500, Deduct* | *-1.19* | |
| | | *For Each LF Shade Cloth, Add* | *3.60* | |

## 01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months *(01 56 26 00-0140)*

| | | | | |
|---|---|---|---|---|
| 01 56 26 00-0150 | LF | Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months | 8.73 | |
| | | *For >100 To 250, Deduct* | *-0.24* | |
| | | *For >250 To 500, Deduct* | *-0.48* | |
| | | *For >500, Deduct* | *-0.71* | |
| | | *For Each LF Shade Cloth, Add* | *1.60* | |
| 01 56 26 00-0151 | LF | Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months | 9.73 | |
| | | *For >100 To 250, Deduct* | *-0.27* | |
| | | *For >250 To 500, Deduct* | *-0.54* | |
| | | *For >500, Deduct* | *-0.80* | |
| | | *For Each LF Shade Cloth, Add* | *2.55* | |
| 01 56 26 00-0152 | LF | Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months | 13.47 | |
| | | *For >100 To 250, Deduct* | *-0.43* | |
| | | *For >250 To 500, Deduct* | *-0.87* | |
| | | *For >500, Deduct* | *-1.30* | |
| | | *For Each LF Shade Cloth, Add* | *3.60* | |

## 01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months *(01 56 26 00-0140)*

| | | | | |
|---|---|---|---|---|
| 01 56 26 00-0154 | LF | Temporary 4' High Chain Link Fence Panels (Portable), >18 Months | 9.16 | |
| | | *For >100 To 250, Deduct* | *-0.26* | |
| | | *For >250 To 500, Deduct* | *-0.52* | |
| | | *For >500, Deduct* | *-0.78* | |
| | | *For Each LF Shade Cloth, Add* | *1.60* | |
| 01 56 26 00-0155 | LF | Temporary 6' High Chain Link Fence Panels (Portable), >18 Months | 10.17 | |
| | | *For >100 To 250, Deduct* | *-0.29* | |
| | | *For >250 To 500, Deduct* | *-0.58* | |
| | | *For >500, Deduct* | *-0.87* | |
| | | *For Each LF Shade Cloth, Add* | *2.55* | |
| 01 56 26 00-0156 | LF | Temporary 8' High Chain Link Fence Panels (Portable), >18 Months | 14.23 | |
| | | *For >100 To 250, Deduct* | *-0.47* | |
| | | *For >250 To 500, Deduct* | *-0.94* | |
| | | *For >500, Deduct* | *-1.42* | |
| | | *For Each LF Shade Cloth, Add* | *3.60* | |

## 01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags *(01 56 26 00-0140)*

| | | | |
|---|---|---|---|
| 01 56 26 00-0158 | BAG | Temporary Chain Link Fence Panels (Portable) Sandbag<br>Note: Includes placement and removal. | 7.49 |

## 01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels *(01 56 26 00-0001)*

Note: Excludes auguring/drilling for posts.

## 01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site *(01 56 26 00-0159)*

| | | | |
|---|---|---|---|
| 01 56 26 00-0161 | LF | Relocate Temporary 4' High Chain Link Fence And Posts | 3.52 |
| 01 56 26 00-0162 | LF | Relocate Temporary 6' High Chain Link Fence And Posts | 5.27 |
| 01 56 26 00-0163 | LF | Relocate Temporary 8' High Chain Link Fence And Posts | 7.62 |
| 01 56 26 00-0164 | LF | Relocate Temporary 10' High Chain Link Fence And Posts | 9.37 |

## 01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site *(01 56 26 00-0159)*

| | | | |
|---|---|---|---|
| 01 56 26 00-0166 | LF | Relocate Temporary 4' High Chain Link Fence Panel, Self Standing | 0.99 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 56 26 00-0167 | LF | Relocate Temporary 6' High Chain Link Fence Panel, Self Standing | 1.19 | |
| 01 56 26 00-0168 | LF | Relocate Temporary 8' High Chain Link Fence Panel, Self Standing | 1.34 | |

### 01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site *(01 56 26 00-0159)*

| | | | | |
|---|---|---|---|---|
| 01 56 26 00-0170 | EA | Relocate Temporary 4' High Chain Link Vehicle Gate And Posts | 129.47 | |
| 01 56 26 00-0171 | EA | Relocate Temporary 6' High Chain Link Vehicle Gate And Posts | 149.39 | |
| 01 56 26 00-0172 | EA | Relocate Temporary 8' High Chain Link Vehicle Gate And Posts | 184.25 | |
| 01 56 26 00-0173 | EA | Relocate Temporary 10' High Chain Link Vehicle Gate And Posts | 199.19 | |

### 01 56 26 00-0174 Temporary Rail And Timber Structure *(01 56 26)*

| | | | | |
|---|---|---|---|---|
| 01 56 26 00-0175 | LF | 4' High Temporary Rail And Timber Structure<br>Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps | 239.09 | |
| 01 56 26 00-0176 | LF | 6' High Temporary Rail And Timber Structure<br>Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps | 340.92 | |
| 01 56 26 00-0177 | LF | 8' High Temporary Rail And Timber Structure<br>Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps | 442.75 | |
| 01 56 26 00-0178 | LF | 10' High Temporary Rail And Timber Structure<br>Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps | 565.64 | |
| 01 56 26 00-0179 | LF | 12' High Temporary Rail And Timber Structure<br>Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps | 657.50 | |
| 01 56 26 00-0180 | LF | 15' High Temporary Rail And Timber Structure<br>Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps | 754.36 | |

### 01 56 26 00-0181 Temporary Safety Fence *(01 56 26)*

Note: Includes removal after use.

| | | | | |
|---|---|---|---|---|
| 01 56 26 00-0182 | LF | 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence | 3.73 | |

## 01 56 29 Temporary Protective Walkways *(01 56)*

### 01 56 29 00-0001 Temporary Sidewalk Bridge Protection *(01 56 29)*

### 01 56 29 00-0002 Installation of Sidewalk Bridge *(01 56 29 00-0001)*

Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.

| | | | | |
|---|---|---|---|---|
| 01 56 29 00-0003 | LF | Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly<br>Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system. | 171.46 | |
| | | *For 3 Post System, Add* | *6.00* | |
| | | *For Each Additional Foot Over 8' Wide, Add* | *3.00* | |
| | | *For Each Additional Foot Over 8' High, Add* | *2.00* | |
| 01 56 29 00-0004 | LF | Installation of Netting for Sidewalk Bridge | 4.37 | |

### 01 56 29 00-0005 Monthly Rental of Sidewalk Bridge *(01 56 29 00-0001)*

Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.

| | | | | |
|---|---|---|---|---|
| 01 56 29 00-0006 | LF | Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly<br>Note: Includes spanning openings, planking and parapet, lighting and maintenance. | 15.49 | |
| | | *For 3 Post System, Add* | *2.32* | |
| 01 56 29 00-0007 | LF | Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly<br>Note: Includes spanning openings, planking and parapet, lighting and maintenance. | 17.45 | |
| | | *For 3 Post System, Add* | *2.62* | |
| 01 56 29 00-0008 | LF | Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly<br>Note: Includes spanning openings, planking and parapet, lighting and maintenance. | 19.38 | |
| | | *For 3 Post System, Add* | *2.91* | |
| 01 56 29 00-0009 | LF | Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly<br>Note: Includes spanning openings, planking and parapet, lighting and maintenance. | 19.38 | |
| | | *For 3 Post System, Add* | *2.91* | |
| 01 56 29 00-0010 | LF | Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly<br>Note: Includes spanning openings, planking and parapet, lighting and maintenance. | 21.30 | |
| | | *For 3 Post System, Add* | *3.20* | |
| 01 56 29 00-0011 | LF | Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly<br>Note: Includes spanning openings, planking and parapet, lighting and maintenance. | 25.21 | |
| | | *For 3 Post System, Add* | *3.78* | |
| 01 56 29 00-0012 | LF | Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly<br>Note: Includes spanning openings, planking and parapet, lighting and maintenance. | 23.28 | |
| | | *For 3 Post System, Add* | *3.49* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 56 29 00-0013 | LF | Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly | 27.15 | |
| | | Note: Includes spanning openings, planking and parapet, lighting and maintenance. | | |
| | | *For 3 Post System, Add* | *4.07* | |
| 01 56 29 00-0014 | LF | Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly | 29.05 | |
| | | Note: Includes spanning openings, planking and parapet, lighting and maintenance. | | |
| | | *For 3 Post System, Add* | *4.36* | |
| 01 56 29 00-0015 | LF | Monthly Rental of Netting for Sidewalk Bridge | 2.90 | |

### 01 56 29 00-0016 Removal of Sidewalk Bridge *(01 56 29 00-0001)*

| | | | | |
|---|---|---|---|---|
| 01 56 29 00-0017 | LF | Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly | 35.69 | |
| | | Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system. | | |
| | | *For 3 Post System, Add* | *2.50* | |
| | | *For Each Additional Foot Over 8' Wide, Add* | *1.25* | |
| | | *For Each Additional Foot Over 8' High, Add* | *0.75* | |
| 01 56 29 00-0018 | LF | Removal Of Netting For Sidewalk Bridge | 1.49 | |

### 01 56 29 00-0019 Temporary Safety Nets *(01 56 29)*

Note: Includes removal after use.

| | | | | |
|---|---|---|---|---|
| 01 56 29 00-0020 | SF | Small Mesh Debris Netting | 2.72 | |
| | | Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors. | | |

## 01 56 33 Temporary Security Barriers *(01 56)*

### 01 56 33 00-0001 Board-up Opening With Plywood *(01 56 33)*

Note: For use where directed by owner for boarding up door and window openings.

| | | | | |
|---|---|---|---|---|
| 01 56 33 00-0002 | OPNG | Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day | 14.95 | |
| 01 56 33 00-0003 | SF | 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening | 8.20 | |
| 01 56 33 00-0004 | SF | 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening | 9.50 | |

### 01 56 33 00-0005 Temporary Pedestrian Barricade *(01 56 33)*

Note: Portable, interlocking galvanized steel fence with pivoting legs.

| | | | | |
|---|---|---|---|---|
| 01 56 33 00-0006 | DAY | 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental | 14.47 | |
| 01 56 33 00-0007 | WK | 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental | 35.15 | |
| 01 56 33 00-0008 | MO | 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental | 105.44 | |

## 01 56 39 Temporary Tree and Plant Protection *(01 56)*

### 01 56 39 00-0001 Temporary Tree Guards *(01 56 39)*

Note: Includes digging holes and removal after use.

| | | | | |
|---|---|---|---|---|
| 01 56 39 00-0002 | EA | Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail | 214.48 | |
| 01 56 39 00-0003 | EA | 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail | 253.66 | |
| 01 56 39 00-0004 | EA | 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail | 275.54 | |

# 01 57 Temporary Controls *(01 50)*

## 01 57 13 Temporary Erosion and Sediment Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

## 01 57 23 Temporary Storm Water Pollution Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

### 01 57 23 00-0001 Temporary Drain Guard *(01 57 23)*

Note: Includes removal after use.

| | | | | |
|---|---|---|---|---|
| 01 57 23 00-0002 | EA | 36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227) | 115.06 | |
| 01 57 23 00-0003 | EA | 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) | 112.94 | |
| | | Note: Up to 0.87 gallons oil, up to 40 Lb. sediment. | | |
| 01 57 23 00-0004 | EA | 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) | 142.89 | |
| | | Note: Up to 1.38 gallons oil, up to 40 Lb. sediment. | | |
| 01 57 23 00-0005 | EA | 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) | 140.74 | |
| | | Note: Up to 1.55 gallons oil, up to 40 Lb. sediment. | | |
| 01 57 23 00-0006 | EA | 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) | 172.85 | |
| | | Note: Up to 2.06 gallons oil, up to 40 Lb. sediment. | | |

## 01 57 26 Site Watering for Dust Control *(01 57)*

### 01 57 26 00-0001 Site Watering for Dust Control *(01 57 26)*

| | | | | |
|---|---|---|---|---|
| 01 57 26 00-0002 | MSF | Apply Synthetic, Liquid Dust Suppression Fluid With GTL Technology (Soil Works Durasoil) | 118.21 | |
| | | Note: GTL (Gas-to-Liquid) | | |
| 01 57 26 00-0003 | MSF | Apply 2% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot) | 43.98 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 57 26 00-0004 | MSF | Apply 4% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot) | 66.31 | |
| 01 57 26 00-0005 | MSF | Apply 8% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot) | 110.98 | |
| 01 57 26 00-0006 | MSF | Apply 12% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot) | 155.65 | |

## 01 58 Project Identification *(01 50)*

Note: Includes removal after use.

### 01 58 13 Temporary Project Signage *(01 58)*

01 58 13 00-0001 Project Sign *(01 58 13)*

01 58 13 00-0002 MDO Plywood Signs *(01 58 13 00-0001)*

Note: Excludes posts.

01 58 13 00-0003 Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs *(01 58 13 00-0003)*

| | | | | |
|---|---|---|---|---|
| 01 58 13 00-0005 | EA | Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign | 166.22 | 27.40 |
| | | *For High-Intensity Grade, Add* | *39.00* | |
| | | *For Diamond Grade, Add* | *75.22* | |
| 01 58 13 00-0006 | EA | >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign | 280.14 | 28.64 |
| | | *For High-Intensity Grade, Add* | *78.00* | |
| | | *For Diamond Grade, Add* | *150.44* | |
| 01 58 13 00-0007 | EA | >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign | 394.08 | 29.88 |
| | | *For High-Intensity Grade, Add* | *117.01* | |
| | | *For Diamond Grade, Add* | *225.66* | |
| 01 58 13 00-0008 | EA | >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign | 508.00 | 31.13 |
| | | *For High-Intensity Grade, Add* | *156.01* | |
| | | *For Diamond Grade, Add* | *300.87* | |
| 01 58 13 00-0009 | SF | >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign | 15.93 | 0.99 |
| | | *For High-Intensity Grade, Add* | *4.88* | |
| | | *For Diamond Grade, Add* | *9.40* | |

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

| | | | | |
|---|---|---|---|---|
| 01 58 13 00-0012 | EA | Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign | 212.84 | 27.40 |
| 01 58 13 00-0013 | EA | >8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign | 253.06 | 28.64 |
| 01 58 13 00-0014 | EA | >16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign | 315.72 | 29.88 |
| 01 58 13 00-0015 | EA | >24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign | 374.90 | 31.13 |
| 01 58 13 00-0016 | SF | >32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign | 11.77 | 0.99 |

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

| | | | | |
|---|---|---|---|---|
| 01 58 13 00-0018 | EA | Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign | 217.29 | 27.40 |
| 01 58 13 00-0019 | EA | >8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign | 277.05 | 28.64 |
| 01 58 13 00-0020 | EA | >16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign | 340.10 | 29.88 |
| 01 58 13 00-0021 | EA | >24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign | 395.79 | 31.13 |
| 01 58 13 00-0022 | SF | >32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign | 12.42 | 0.99 |

01 58 13 00-0023 Fabricate And Install New Posts *(01 58 13 00-0001)*

Note: Includes excavation, backfill and compaction. Excludes core drilling.

| | | | | |
|---|---|---|---|---|
| 01 58 13 00-0024 | LF | Galvanized Metal Channel Sign Posts | 17.37 | |
| 01 58 13 00-0025 | LF | 4" x 4" Pressure Treated Wood Sign Posts | 12.57 | |
| 01 58 13 00-0026 | LF | 4" x 6" Pressure Treated Wood Sign Posts | 15.56 | |

01 58 13 00-0027 Owner Supplied Signs *(01 58 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 01 58 13 00-0028 | EA | Installation And Removal Of Owner Supplied Project Sign | 99.60 | |

## 01 60 Product Requirements *(01)*

### 01 65 Product Delivery Requirements *(01 60)*

01 65 00 00-0001 Helicopter Lift *(01 65)*

Note: Includes Helcopter, Crew, Permits, Fuel And Clearances

| | | | | |
|---|---|---|---|---|
| 01 65 00 00-0002 | DAY | < 3,500 Lb., Helicopter Lift<br>Note: Maximum of (3) Operations, Helicopter Crew, Helicopter, Rigging. Includes Day Permit for FAA Permit, Street Closure fees and Right of way. Signage , Safety Rigging Landing Plan. Clearing, Cleaning and Delineation of Landing Zone, Drop Zone, and Alternate landing Area. Delineation and closure of Ingress Egress routes. | 36,948.42 | |
| | | *For Weekend Day Usage, Add* | *3,500.00* | |

### 01 66 Product Storage and Handling Requirements *(01 60)*

#### 01 66 19 Product Handling Requirements *(01 66)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

### 01 66 19 00-0001 Transfer Delivered Materials Between Floors *(01 66 19)*

Note: For moving delivered, owner supplied or existing materials in a building.

| | | | |
|---|---|---|---|
| 01 66 19 00-0002 | CY | Transfer Delivered Material Between Floors Via Stairs, Per Floor<br>Note: Quantity equals volume of materials multiplied by number of floors traveled. | 19.15 |
| 01 66 19 00-0003 | CY | Transfer Delivered Material Between Floors Via Elevator, Per Trip<br>Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required. | 12.45 |

### 01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' *(01 66 19)*

Note: For moving delivered, owner supplied or existing materials in a building.

| | | | |
|---|---|---|---|
| 01 66 19 00-0005 | CY | Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125' | 7.78 |

### 01 66 19 00-0006 Transfer Demolition Debris Between Floors *(01 66 19)*

Note: Only for use with demolition tasks.

| | | | |
|---|---|---|---|
| 01 66 19 00-0007 | CY | Transfer Demolition Debris Between Floors Via Stairs, Per Floor<br>Note: Quantity equals material volume times bulk factor times number of floors traveled. | 19.15 |
| 01 66 19 00-0008 | CY | Transfer Demolition Debris Between Floors Via Elevator, Per Trip<br>Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required. | 12.45 |

### 01 66 19 00-0009 Transfer Demolition Debris Distances Greater Than 125' *(01 66 19)*

Note: Only for use with demolition tasks.

| | | | |
|---|---|---|---|
| 01 66 19 00-0010 | CY | Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125' | 7.78 |

### 01 66 19 00-0011 Moving Furniture And Furnishings *(01 66 19)*

Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.

| | | | |
|---|---|---|---|
| 01 66 19 00-0012 | SF | Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings<br>Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space. | 1.24 |

## 01 66 23 Off-Site Storage Facilities *(01 66)*

### 01 66 23 00-0001 Climate And Humidity Controlled Off-site Storage Facility *(01 66 23)*

| | | | |
|---|---|---|---|
| 01 66 23 00-0002 | MO | 5' x 10', Climate And Humidity Controlled Storage Facility | 308.46 |
| 01 66 23 00-0003 | MO | 10' x 10', Climate And Humidity Controlled Storage Facility | 345.57 |
| 01 66 23 00-0004 | MO | 10' x 20', Climate And Humidity Controlled Storage Facility | 635.47 |
| 01 66 23 00-0005 | MO | 15' x 15', Climate And Humidity Controlled Storage Facility | 781.58 |
| 01 66 23 00-0006 | MO | 10' x 30', Climate And Humidity Controlled Storage Facility | 1,001.91 |

# 01 70 Execution and Closeout Requirements *(01)*

## 01 71 Examination and Preparation *(01 70)*

## 01 71 13 Mobilization *(01 71)*

### 01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*

Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.

| | | | |
|---|---|---|---|
| 01 71 13 00-0002 | EA | Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck<br>Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc. | 470.09 |
| 01 71 13 00-0003 | EA | Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed<br>Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc. | 1,494.69 |

### 01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*

Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.

| | | | |
|---|---|---|---|
| 01 71 13 00-0005 | EA | Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane<br>Note: Includes delivery and pickup. | 501.43 |
| | | *For >30 To 60 Miles Radius, Add* | *125.36* |
| | | *For >60 To 100 Miles Radius, Add* | *200.57* |
| 01 71 13 00-0006 | EA | >20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane<br>Note: Includes delivery and pickup. | 814.82 |
| | | *For >30 To 60 Miles Radius, Add* | *203.71* |
| | | *For >60 To 100 Miles Radius, Add* | *325.93* |
| 01 71 13 00-0007 | EA | >40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane<br>Note: Includes delivery and pickup. | 1,128.22 |
| | | *For >30 To 60 Miles Radius, Add* | *282.06* |
| | | *For >60 To 100 Miles Radius, Add* | *451.29* |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 71 13 00-0008 | EA | >70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane | 1,817.68 | |
| | | Note: Includes delivery and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *454.42* | |
| | | *For >60 To 100 Miles Radius, Add* | *727.07* | |
| 01 71 13 00-0009 | EA | >110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane | 2,281.50 | |
| | | Note: Includes delivery and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *570.38* | |
| | | *For >60 To 100 Miles Radius, Add* | *912.60* | |
| 01 71 13 00-0010 | EA | >125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane | 2,839.35 | |
| | | Note: Includes delivery and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *709.84* | |
| | | *For >60 To 100 Miles Radius, Add* | *1,135.74* | |
| 01 71 13 00-0011 | EA | >150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane | 3,271.83 | |
| | | Note: Includes delivery and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *817.96* | |
| | | *For >60 To 100 Miles Radius, Add* | *1,308.73* | |
| 01 71 13 00-0012 | EA | >185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane | 3,660.44 | |
| | | Note: Includes delivery and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *915.11* | |
| | | *For >60 To 100 Miles Radius, Add* | *1,464.18* | |
| 01 71 13 00-0013 | EA | 75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane | 1,943.04 | |
| | | Note: Includes delivery, rigging and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *485.76* | |
| | | *For >60 To 100 Miles Radius, Add* | *777.22* | |
| 01 71 13 00-0014 | EA | 100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane | 3,071.26 | |
| | | Note: Includes delivery, rigging and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *767.82* | |
| | | *For >60 To 100 Miles Radius, Add* | *1,228.50* | |
| 01 71 13 00-0015 | EA | 125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane | 3,886.08 | |
| | | Note: Includes delivery, rigging and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *971.52* | |
| | | *For >60 To 100 Miles Radius, Add* | *1,554.43* | |
| 01 71 13 00-0016 | EA | 150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane | 4,826.27 | |
| | | Note: Includes delivery, rigging and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *1,206.57* | |
| | | *For >60 To 100 Miles Radius, Add* | *1,930.51* | |
| 01 71 13 00-0017 | EA | 200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane | 6,017.16 | |
| | | Note: Includes delivery, rigging and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *1,504.29* | |
| | | *For >60 To 100 Miles Radius, Add* | *2,406.86* | |
| 01 71 13 00-0018 | EA | 250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane | 7,020.02 | |
| | | Note: Includes delivery, rigging and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *1,755.01* | |
| | | *For >60 To 100 Miles Radius, Add* | *2,808.01* | |
| 01 71 13 00-0019 | EA | 300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane | 10,028.60 | |
| | | Note: Includes delivery, rigging and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *2,507.15* | |
| | | *For >60 To 100 Miles Radius, Add* | *4,011.44* | |
| 01 71 13 00-0020 | EA | 500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane | 13,751.72 | |
| | | Note: Includes delivery, rigging and pickup. | | |
| | | *For >30 To 60 Miles Radius, Add* | *3,437.93* | |
| | | *For >60 To 100 Miles Radius, Add* | *5,500.69* | |

## 01 71 23 Field Engineering *(01 71)*

### 01 71 23 16 Construction Surveying *(01 71 23)*

#### 01 71 23 16-0001 Conventional Topographic Survey *(01 71 23 16)*

Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

| | | | |
|---|---|---|---|
| 01 71 23 16-0002 | ACR | Conventional Topographic Survey Of Clear Area With Few To No Obstacles | 1,349.02 |
| 01 71 23 16-0003 | ACR | Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings) | 3,797.00 |
| 01 71 23 16-0004 | ACR | Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings) | 5,452.92 |
| 01 71 23 16-0005 | ACR | Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings) | 8,197.59 |
| 01 71 23 16-0006 | ACR | Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings) | 10,262.33 |

#### 01 71 23 16-0007 Property Lines Survey *(01 71 23 16)*

Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

| | | | |
|---|---|---|---|
| 01 71 23 16-0008 | LF | Survey Property Lines On Cleared Land | 3.01 |
| 01 71 23 16-0009 | LF | Survey Property Lines On Slightly Wooded Land | 3.49 |
| 01 71 23 16-0010 | LF | Survey Property Lines On Wooded Land | 4.09 |

#### 01 71 23 16-0011 Survey Monument *(01 71 23 16)*

| | | | |
|---|---|---|---|
| 01 71 23 16-0012 | EA | 3' Precast Survey Monument | 210.64 |
| | | *For Owner Furnished Monument, Deduct* | *-85.10* |
| 01 71 23 16-0013 | EA | Precast Survey Monument Box With Cast Iron Frame And Cover | 315.02 |
| 01 71 23 16-0014 | EA | Riser Ring For Survey Monument | 162.14 |
| 01 71 23 16-0015 | EA | Adjust Survey Monument Cover To Grade | 255.29 |

#### 01 71 23 16-0016 Facade Surveying *(01 71 23 16)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 71 23 16-0017 | LF | Facade Survey And Reports (LF Of Facade x Number Of Floors) | 8.33 | |
| 01 71 23 16-0018 | | Utility Survey *(01 71 23 16)*<br>Note: This survey is only for the location of underground utilities. | | |
| 01 71 23 16-0019 | ACR | Survey Clear Area For Underground Utilities | 7,001.62 | |
| 01 71 23 16-0020 | | GPR Bridge Deck And Pavement Inspection *(01 71 23 16)* | | |
| 01 71 23 16-0021 | | GPR Bridge Deck And Pavement Inspection Mobilization Fee *(01 71 23 16-0020)*<br>Note: One mobilization per project. | | |
| 01 71 23 16-0022 | EA | GPR Bridge Deck And Pavement Inspection Mobilization Fee | 4,251.62 | |
| 01 71 23 16-0023 | | Bridge Deck Delamination Survey, GPR Bridge Deck Inspection *(01 71 23 16-0020)*<br>Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed. | | |
| 01 71 23 16-0024 | EA | Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection | 3,013.35 | |
| 01 71 23 16-0025 | SF | Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection | 1.27 | |
| 01 71 23 16-0026 | SF | >5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection | 1.00 | |
| 01 71 23 16-0027 | SF | >10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection | 0.80 | |
| 01 71 23 16-0028 | SF | >25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection | 0.60 | |
| 01 71 23 16-0029 | SF | >50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection | 0.48 | |
| 01 71 23 16-0030 | SF | >100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection | 0.38 | |
| 01 71 23 16-0031 | SF | >250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection | 0.28 | |
| 01 71 23 16-0032 | | Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection *(01 71 23 16-0020)*<br>Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed. | | |
| 01 71 23 16-0033 | EA | Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection | 1,004.45 | |
| 01 71 23 16-0034 | SF | Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection | 0.06 | |
| 01 71 23 16-0035 | | Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection *(01 71 23 16-0020)*<br>Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed. | | |
| 01 71 23 16-0036 | EA | Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection | 1,004.45 | |
| 01 71 23 16-0037 | SF | Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection | 0.46 | |
| 01 71 23 16-0038 | SF | >5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection | 0.36 | |
| 01 71 23 16-0039 | SF | >10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection | 0.28 | |
| 01 71 23 16-0040 | SF | >25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection | 0.22 | |
| 01 71 23 16-0041 | SF | >50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection | 0.18 | |
| 01 71 23 16-0042 | SF | >100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection | 0.14 | |
| 01 71 23 16-0043 | SF | >250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection | 0.10 | |
| 01 71 23 16-0044 | | Pavement Structure And Thickness Measurement, GPR Pavement Inspection *(01 71 23 16-0020)*<br>Note: Each project will use one task for the length of the pavement surveyed. | | |
| 01 71 23 16-0045 | LM | Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection | 7,469.09 | |
| 01 71 23 16-0046 | LM | >4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection | 3,256.43 | |
| 01 71 23 16-0047 | LM | >9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection | 2,424.74 | |
| 01 71 23 16-0048 | LM | >49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection | 1,323.87 | |
| 01 71 23 16-0049 | LM | >99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection | 1,040.61 | |
| 01 71 23 16-0050 | | Pavement Thickness Contour (Mapping), GPR Pavement Inspection *(01 71 23 16-0020)*<br>Note: Each project will use one task for the length of the pavement surveyed. | | |
| 01 71 23 16-0051 | LM | Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection | 9,504.11 | |
| 01 71 23 16-0052 | LM | >4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection | 4,469.80 | |
| 01 71 23 16-0053 | LM | >9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection | 3,395.04 | |
| 01 71 23 16-0054 | LM | >49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection | 1,902.43 | |
| 01 71 23 16-0055 | LM | >99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection | 1,504.67 | |
| 01 71 23 16-0056 | | Pavement Void Detection (Mapping), GPR Pavement Inspection *(01 71 23 16-0020)*<br>Note: Each project will use one task for the length of the pavement surveyed. | | |
| 01 71 23 16-0057 | LM | Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection | 11,286.00 | |
| 01 71 23 16-0058 | LM | >4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection | 5,530.50 | |
| 01 71 23 16-0059 | LM | >9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection | 4,242.80 | |
| 01 71 23 16-0060 | LM | >49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection | 2,408.67 | |
| 01 71 23 16-0061 | LM | >99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection | 1,908.46 | |
| 01 71 23 16-0062 | | Drone Survey (Extreme Aerial Productions) *(01 71 23 16)*<br>Note: Thermographic services to electrical line grid inspections. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 01 71 23 16-0063 Mobilization For Drone Surveying *(01 71 23 16-0062)*

| | | | | |
|---|---|---|---|---|
| 01 71 23 16-0064 | EA | Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing | 270.04 | |
| 01 71 23 16-0065 | EA | Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing | 675.11 | |
| 01 71 23 16-0066 | EA | Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter | 180.03 | |
| 01 71 23 16-0067 | EA | Mobilization For Drone Road Survey For Topography/Progression/Inspection | 360.06 | |
| 01 71 23 16-0068 | EA | Mobilization For Drone Survey Stockpile | 180.03 | |
| 01 71 23 16-0069 | EA | Mobilization For Drone Inspection | 180.03 | |
| 01 71 23 16-0070 | EA | Mobilization For Qualitative Drone Thermal Inspection | 360.06 | |
| 01 71 23 16-0071 | EA | Mobilization For Quantitative Drone Thermal Inspection | 450.08 | |
| 01 71 23 16-0072 | EA | Mobilization For Drone Agricultural Multispectral Survey | 720.12 | |
| 01 71 23 16-0073 | EA | Mobilization For Drone Building Inspection/Scan/Thermal | 540.09 | |
| 01 71 23 16-0074 | EA | Mobilization For Drone 3D Modelling | 450.08 | |
| 01 71 23 16-0075 | EA | Mobilization For Drone Spraying Crops Or Sanitation | 810.14 | |
| 01 71 23 16-0076 | EA | Mobilization For Drone Video Progression/Marketing | 180.03 | |
| 01 71 23 16-0077 | EA | Mobilization For Drone Pictures Progression/Marketing | 180.03 | |
| 01 71 23 16-0078 | EA | Mobilization For Drone Training, Flying, Test Prep, Equipment Checks | 180.03 | |
| 01 71 23 16-0079 | EA | Mobilization For Drone Accident Reconstruction | 180.03 | |
| 01 71 23 16-0080 | EA | Mobilization For Drone Landfill Survey | 270.04 | |
| 01 71 23 16-0081 | EA | Mobilization For Drone Event Security Using Tethered Drones | 360.06 | |
| 01 71 23 16-0082 | EA | Mobilization For Drone Emergency Response | 900.15 | |
| 01 71 23 16-0083 | EA | Mobilization For Drone Cell Tower Inspection | 270.04 | |

## 01 71 23 16-0084 Drone Surveying *(01 71 23 16-0062)*

| | | | | |
|---|---|---|---|---|
| 01 71 23 16-0085 | HR | Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing<br>Note: 3 hour minimum | 657.11 | |
| | | *For Visual Observation, Add* | *180.03* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0086 | HR | > 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing | 837.14 | |
| | | *For Visual Observation, Add* | *270.04* | |
| | | *For Additional Manpower, Add* | *216.04* | |
| 01 71 23 16-0087 | HR | Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter<br>Note: 3 hour minimum | 540.09 | |
| | | *For Visual Observation, Add* | *180.03* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0088 | HR | Drone Road Survey For Topography/Progression/Inspection<br>Note: 3 hour minimum | 630.10 | |
| | | *For Visual Observation, Add* | *270.04* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0089 | HR | Drone Survey Stockpile<br>Note: 3 hour minimum | 450.08 | |
| | | *For Visual Observation, Add* | *180.03* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0090 | HR | Drone Inspection<br>Note: 3 hour minimum | 630.10 | |
| | | *For Visual Observation, Add* | *180.03* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0091 | HR | Qualitative Drone Thermal Inspection<br>Note: 5 hour minimum | 720.12 | |
| | | *For Visual Observation, Add* | *270.04* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0092 | HR | Quantitative Drone Thermal Inspection<br>Note: 5 hour minimum | 1,080.18 | |
| | | *For Visual Observation, Add* | *270.04* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0093 | HR | Drone Agricultural Multispectral Survey<br>Note: 6 hour minimum | 810.14 | |
| | | *For Visual Observation, Add* | *180.03* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0094 | HR | Drone Building Inspection/Scan/Thermal<br>Note: 3 hour minimum | 720.12 | |
| | | *For Visual Observation, Add* | *270.04* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0095 | HR | Drone 3D Modelling<br>Note: 3 hour minimum | 540.09 | |
| | | *For Visual Observation, Add* | *270.04* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0096 | HR | Drone Spraying Crops Or Sanitation<br>Note: 3 hour minimum | 720.12 | |
| | | *For Visual Observation, Add* | *225.04* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0097 | HR | Drone Video Progression/Marketing<br>Note: 2 hour minimum | 360.06 | |
| | | *For Visual Observation, Add* | *180.03* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0098 | HR | Drone Pictures Progression/Marketing<br>Note: 2 hour minimum | 270.04 | |
| | | *For Visual Observation, Add* | *180.03* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0099 | HR | Drone Training, Flying, Test Prep, Equipment Checks<br>Note: 3 hour minimum | 540.09 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 71 23 16-0100 | HR | Drone Accident Reconstruction<br>Note: 2 hour minimum | 810.14 | |
| | | *For Visual Observation, Add* | *180.03* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0101 | HR | Drone Landfill Survey<br>Note: 3 hour minimum | 657.11 | |
| | | *For Visual Observation, Add* | *180.03* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0102 | HR | Drone Event Security Using Tethered Drones<br>Note: 3 hour minimum | 450.08 | |
| | | *For Visual Observation, Add* | *180.03* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0103 | HR | Drone Emergency Response<br>Note: 3 hour minimum | 450.08 | |
| | | *For Visual Observation, Add* | *270.04* | |
| | | *For Additional Manpower, Add* | *180.03* | |
| 01 71 23 16-0104 | HR | Drone Cell Tower Inspection<br>Note: 3 hour minimum | 450.08 | |
| | | *For Visual Observation, Add* | *225.04* | |
| | | *For Additional Manpower, Add* | *180.03* | |

### 01 71 23 16-0105 Utilization And Deliverables For Drone Surveying *(01 71 23 16-0062)*

| | | | | |
|---|---|---|---|---|
| 01 71 23 16-0106 | Day | Utilization Of GPS Ground Control For Drone Surveying | 450.08 | |
| 01 71 23 16-0107 | Day | Utilization Of GPS Base Station Per Day For Drone Surveying | 450.08 | |
| 01 71 23 16-0108 | HR | Processing And Data Deliverables And Reporting For Drone Surveying<br>Note: 2 hour minimum | 180.03 | |
| 01 71 23 16-0109 | HR | Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying<br>Note: 3 hour minimum | 360.06 | |

### 01 71 23 16-0110 Travel, Waivers, And Editing For Drone Surveying *(01 71 23 16-0062)*

| | | | | |
|---|---|---|---|---|
| 01 71 23 16-0111 | MI | Travel Over 100 Miles For Drone Surveying<br>Note: For additional miles over 100 | 1.04 | |
| 01 71 23 16-0112 | EA | Overnight Stay Per Person For Drone Surveying | 225.04 | |
| 01 71 23 16-0113 | EA | Waiver Utilization B, C, D, And E For Drone Surveying<br>Note: Restricted airspace | 90.02 | |
| 01 71 23 16-0114 | EA | Night Waiver For Drone Surveying | 117.02 | |
| 01 71 23 16-0115 | EA | Flying Over People Waiver For Drone Surveying | 180.03 | |
| 01 71 23 16-0116 | EA | Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying | 900.15 | |
| 01 71 23 16-0117 | HR | Editing Video For Drone Surveying<br>Note: 2 hour minimum | 180.03 | |
| 01 71 23 16-0118 | HR | Editing Pictures For Drone Surveying<br>Note: 2 hour minimum | 90.02 | |
| 01 71 23 16-0119 | HR | Custom Post Processing For Drone Surveying<br>Note: 3 hour minimum | 270.04 | |

## 01 71 36 Non-Destructive Concrete Examination *(01 71)*

### 01 71 36 00-0001 Electromagnetic Survey *(01 71 36)*

Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).

### 01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey *(01 71 36 00-0001)*

| | | | |
|---|---|---|---|
| 01 71 36 00-0003 | EA | Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt | 1,161.90 |
| 01 71 36 00-0004 | EA | >1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt | 1,742.85 |
| 01 71 36 00-0005 | EA | >4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt | 3,485.70 |

### 01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys *(01 71 36 00-0001)*

| | | | |
|---|---|---|---|
| 01 71 36 00-0007 | EA | Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt<br>Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos. | 387.30 |
| 01 71 36 00-0008 | EA | GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt<br>Note: Includes GPS coordinates of located items and reference items. | 774.60 |
| 01 71 36 00-0009 | EA | CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt<br>Note: Includes additions to the owner provided CAD drawing. | 1,742.85 |

# 01 74 Cleaning and Waste Management *(01 70)*

## 01 74 13 Progress Cleaning *(01 74)*

Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

### 01 74 13 00-0001 General *(01 74 13)*

| | | | |
|---|---|---|---|
| 01 74 13 00-0002 | CSF | Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent | 24.93 |
| 01 74 13 00-0003 | CY | Collect Existing Debris And Load Into Truck Or Dumpster<br>Note: Per CY of debris removed. | 29.18 |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 01 74 16 Site Maintenance *(01 74)*

### 01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance *(01 74 16)*

Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.

### 01 74 16 00-0002 Parking Lot, Road, And Street Sweeping *(01 74 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 01 74 16 00-0003 | MSF | Sweep Parking Lot, With Street Sweeper | 24.50 | |
| 01 74 16 00-0004 | MSF | Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads | 29.40 | |

### 01 74 16 00-0005 Runway Sweeping *(01 74 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 01 74 16 00-0006 | MSF | Sweep Runway, With Street Sweep | 36.75 | |

## 01 74 19 Construction Waste Management and Disposal *(01 74)*

Note: Tasks in this section shall be used as directed by owner.

### 01 74 19 00-0001 Debris Chutes *(01 74 19)*

Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

### 01 74 19 00-0002 Steel Temporary Debris Chutes *(01 74 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 01 74 19 00-0003 | LF | 18" Diameter, Steel Temporary Debris Chute | 39.77 | |
| 01 74 19 00-0004 | LF | 30" Diameter, Steel Temporary Debris Chute | 60.97 | |

### 01 74 19 00-0005 Plastic Temporary Debris Chutes *(01 74 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 01 74 19 00-0006 | LF | 24" Diameter, Plastic Temporary Debris Chute | 15.76 | |
| | | *For Steel Liner, Add* | | *3.17* |
| 01 74 19 00-0007 | LF | 30" Diameter, Plastic Temporary Debris Chute | 18.08 | |
| | | *For Steel Liner, Add* | | *3.64* |
| 01 74 19 00-0008 | LF | 36" Diameter, Plastic Temporary Debris Chute | 20.38 | |
| | | *For Steel Liner, Add* | | *4.10* |

### 01 74 19 00-0009 Wood Temporary Debris Chutes *(01 74 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 01 74 19 00-0010 | LF | 4' x 4', Wood Temporary Debris Chute<br>Note: Includes fabrication and installation. | 31.94 | |

### 01 74 19 00-0011 Construction Dumpsters Rental *(01 74 19)*

Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.

| | | | | |
|---|---|---|---|---|
| 01 74 19 00-0012 | EA | 6 CY Dumpster "Construction Debris"<br>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. | 477.94 | |
| 01 74 19 00-0013 | EA | 10 CY Dumpster "Construction Debris"<br>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. | 564.84 | |
| 01 74 19 00-0014 | EA | 15 CY Dumpster "Construction Debris"<br>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. | 600.35 | |
| 01 74 19 00-0015 | EA | 20 CY Dumpster "Construction Debris"<br>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. | 664.60 | |
| 01 74 19 00-0016 | EA | 30 CY Dumpster "Construction Debris"<br>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. | 744.32 | |
| 01 74 19 00-0017 | EA | 40 CY Dumpster "Construction Debris"<br>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. | 860.09 | |
| 01 74 19 00-0018 | EA | 10 CY Low-Boy Dumpster<br>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. | 754.42 | |

### 01 74 19 00-0019 Construction Washout Container *(01 74 19)*

| | | | | |
|---|---|---|---|---|
| 01 74 19 00-0020 | EA | 30" x 30" x 14" High, Corrugated Cardboard With 6mm Liner, 50 Gallon, Construction Washout Bin<br>Note: Up to 10 uses, requires additonal 6mm plastic for multiple uses See CSI section 01 56 16 00-0011 for 6mm plastic for additional loads. | 56.59 | |
| 01 74 19 00-0021 | EA | 48" x 48" x 14" High, Corrugated Cardboard With 6mm Liner, 140 Gallon, Construction Washout Bin<br>Note: Up to 10 uses, requires additonal 6mm plastic for multiple uses See CSI section 01 56 16 00-0011 for 6mm plastic for additional loads. | 81.31 | |
| 01 74 19 00-0022 | EA | 72" x 72" x 12" High, Corrugated Cardboard With 6mm Liner, 260 Gallon, Construction Washout Bin<br>Note: Up to 10 uses, requires additonal 6mm plastic for multiple uses See CSI section 01 56 16 00-0011 for 6mm plastic for additional loads. | 140.01 | |

### 01 74 19 00-0023 Concrete Washout Service *(01 74 19)*

| | | | | |
|---|---|---|---|---|
| 01 74 19 00-0024 | MO | Rampless Concrete Washout Bin<br>Note: Includes delivery. | 571.94 | |
| 01 74 19 00-0025 | MO | Ramped Concrete Washout Bin<br>Note: Includes delivery. | 686.33 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 01 74 19 00-0026 | EA | Interim Vacuum Service, Concrete Washout Bin<br>Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material. | 640.17 | |
| 01 74 19 00-0027 | EA | Vacuum, Pickup, Swap And Dump, Concrete Washout Bin<br>Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed. | 1,387.04 | |
| 01 74 19 00-0028 | | Debris Processing Fee *(01 74 19)* | | |
| 01 74 19 00-0029 | | Material Recycling Fees *(01 74 19 00-0028)*<br>Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling. | | |
| 01 74 19 00-0030 | CY | Drop-Off Asphalt At Recycling Center | 22.54 | |
| 01 74 19 00-0031 | CY | Drop-Off Non-Reinforced Concrete At Recycling Center | 30.20 | |
| 01 74 19 00-0032 | CY | Drop-Off Reinforced Concrete At Recycling Center | 45.29 | |
| 01 74 19 00-0033 | CY | Drop-Off Brick Or Block At Recycling Center | 39.25 | |
| 01 74 19 00-0034 | CY | Drop-Off Dirt At Recycling Center | 43.78 | |
| 01 74 19 00-0035 | CY | Drop-Off Dimensional Lumber At Recycling Center | 21.14 | |
| 01 74 19 00-0036 | | Landfill Dump Fees *(01 74 19 00-0028)*<br>Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. | | |
| 01 74 19 00-0037 | CY | Traditional Building Construction Materials Landfill Dump Fee | 20.09 | |
| 01 74 19 00-0038 | TON | Traditional Building Construction Materials, Landfill Dump Fee | 87.57 | |
| 01 74 19 00-0039 | CY | Trees, Stumps And Brush, Landfill Dump Fee | 24.19 | |
| 01 74 19 00-0040 | CY | Hazardous Materials And Rubbish Landfill Dump Fee<br>Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc. | 57.68 | |
| 01 74 19 00-0041 | | Hauling *(01 74 19)*<br>Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM. | | |
| 01 74 19 00-0042 | CYM | Hauling Up To 15 Miles | 1.32 | |
| 01 74 19 00-0043 | CYM | Hauling, Miles Over Initial 15 Miles | 0.99 | |

### 01 74 23 Final Cleaning *(01 74)*

| | | | | |
|---|---|---|---|---|
| 01 74 23 00-0001 | | Cleaning Of Glass *(01 74 23)* | | |
| 01 74 23 00-0002 | CSF | Cleaning Of Existing Glass Surfaces | 33.74 | |

## 01 90 Life Cycle Activities *(01)*

## 01 91 Commissioning *(01 90)*

### 01 91 13 General Commissioning Requirements *(01 91)*

| | | | | |
|---|---|---|---|---|
| 01 91 13 00-0001 | | Commissioning Of Systems *(01 91 13)*<br>Note: For use with commissioning of mechanical and electrical systems. | | |
| 01 91 13 00-0002 | HR | Commissioning - Fire Protection Sprinkler Systems | 229.89 | |
| 01 91 13 00-0003 | HR | Commissioning - Plumbing Systems | 231.33 | |
| 01 91 13 00-0004 | HR | Commissioning - HVAC/Mechanical Systems | 260.24 | |
| 01 91 13 00-0005 | HR | Commissioning - Electrical/Fire Alarms/Security Systems | 250.60 | |

**END OF SECTION 01**

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 02 Existing Conditions

## 02 30 Subsurface Investigation *(02)*

### 02 32 Geotechnical Investigations *(02 30)*

#### 02 32 13 Subsurface Drilling and Sampling *(02 32)*

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew *(02 32 13)*

| | | | |
|---|---|---|---|
| 02 32 13 00-0002 | EA | Mobilization Of Drilling Crew | 1,292.77 |

02 32 13 00-0003 Auger Borings *(02 32 13)*

| | | | |
|---|---|---|---|
| 02 32 13 00-0004 | LF | Standard Auger Hole With Split Spoon Sample At 5' Intervals | 38.94 |

02 32 13 00-0005 Cased Borings In Earth, With Samples *(02 32 13)*

Note: All types of soils.

| | | | |
|---|---|---|---|
| 02 32 13 00-0006 | LF | 2-1/2" Diameter Cased Borings In Earth, With Samples | 99.35 |
| 02 32 13 00-0007 | LF | 4" Diameter Cased Borings In Earth, With Samples | 169.90 |

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") *(02 32 13)*

| | | | |
|---|---|---|---|
| 02 32 13 00-0009 | LF | Drill In Rock, BW Core, With Casing<br>Note: Includes sampling. | 105.14 |
| 02 32 13 00-0010 | EA | Drill In Rock, With BW Core Boxes | 9.91 |

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") *(02 32 13)*

| | | | |
|---|---|---|---|
| 02 32 13 00-0012 | LF | Drill In Rock, NW Core, With Casing<br>Note: Includes sampling. | 135.94 |
| 02 32 13 00-0013 | EA | Drill In Rock, With NW Core Boxes | 11.40 |

02 32 13 00-0014 Test Pits For Boring Activities *(02 32 13)*

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits *(02 32 13 00-0014)*

| | | | |
|---|---|---|---|
| 02 32 13 00-0016 | CY | Excavation For Test Pit, Light Material, Backhoe Excavation | 74.29 |
| 02 32 13 00-0017 | CY | Excavation For Test Pits, Medium Material, Backhoe Excavation | 86.67 |
| 02 32 13 00-0018 | CY | Excavation For Test Pit, Heavy Material, Backhoe Excavation | 115.56 |

02 32 13 00-0019 Hand-Dug Test Pits *(02 32 13 00-0014)*

| | | | |
|---|---|---|---|
| 02 32 13 00-0020 | CY | Excavation For Test Pit, Light Soil, Hand Excavation | 221.32 |
| 02 32 13 00-0021 | CY | Excavation For Test Pit, Heavy Soil, Hand Excavation | 398.38 |

02 32 13 00-0022 Shelby Tube Sampling *(02 32 13)*

| | | | |
|---|---|---|---|
| 02 32 13 00-0023 | EA | Shelby Tube Sampling | 55.95 |
| 02 32 13 00-0024 | EA | Penetration Test | 45.59 |

02 32 13 00-0025 Grouting *(02 32 13)*

| | | | |
|---|---|---|---|
| 02 32 13 00-0026 | VLF | Boreholes | 10.61 |

#### 02 32 19 Exploratory Excavations *(02 32)*

02 32 19 00-0001 Hydro Excavation *(02 32 19)*

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1455 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0036 for off-site disposal fee of material, 01 74 19 00-0041 for hauling excavated soil from site.

| | | | |
|---|---|---|---|
| 02 32 19 00-0002 | EA | Hydro Excavation, Minimum Charge<br>Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 1,423.07 |
| 02 32 19 00-0003 | EA | 600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day<br>Note: Includes initial water. | 711.54 |
| 02 32 19 00-0004 | EA | 1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day<br>Note: Includes initial water | 830.13 |
| 02 32 19 00-0005 | EA | Move And Reset Up At Different Access/Location, Hydro Excavation | 118.59 |
| 02 32 19 00-0006 | CY | Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck)<br>Note: Normal soil conditions consist of silt, sand and gravel. | 98.91 |
| 02 32 19 00-0007 | CY | Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck)<br>Note: Adverse soil conditions consist of clay, glacial till and rocks. | 158.20 |


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| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 02 40 Demolition and Structure Moving (02)

## 02 41 Demolition (02 40)

### 02 41 13 Selective Site Demolition (02 41)

#### 02 41 13 13 Paving Removal (02 41 13)

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0059 for saw cutting.

| | | | | |
|---|---|---|---|---|
| 02 41 13 13-0002 | SY | Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving | 7.66 | |
| | | *For >500 To 1,000, Deduct* | *-0.77* | |
| | | *For >1,000 To 2,500, Deduct* | *-1.38* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.99* | |
| | | *For >5,000 To 10,000, Deduct* | *-2.60* | |
| | | *For >10,000, Deduct* | *-3.22* | |
| 02 41 13 13-0003 | SY | >3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving | 11.49 | |
| | | *For >500 To 1,000, Deduct* | *-1.15* | |
| | | *For >1,000 To 2,500, Deduct* | *-2.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-2.99* | |
| | | *For >5,000 To 10,000, Deduct* | *-3.91* | |
| | | *For >10,000, Deduct* | *-4.83* | |
| 02 41 13 13-0004 | SY | >6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving | 15.33 | |
| | | *For >500 To 1,000, Deduct* | *-1.53* | |
| | | *For >1,000 To 2,500, Deduct* | *-2.76* | |
| | | *For >2,500 To 5,000, Deduct* | *-3.99* | |
| | | *For >5,000 To 10,000, Deduct* | *-5.21* | |
| | | *For >10,000, Deduct* | *-6.44* | |
| 02 41 13 13-0005 | SY | Up To 3" By Machine, Break-up And Leave In Place Concrete Paving | 14.84 | |
| | | *For >500 To 1,000, Deduct* | *-1.48* | |
| | | *For >1,000 To 2,500, Deduct* | *-2.67* | |
| | | *For >2,500 To 5,000, Deduct* | *-3.86* | |
| | | *For >5,000 To 10,000, Deduct* | *-5.05* | |
| | | *For >10,000, Deduct* | *-6.23* | |
| 02 41 13 13-0006 | SY | >3" To 6" By Machine, Break-up And Leave In Place Concrete Paving | 20.96 | |
| | | *For >500 To 1,000, Deduct* | *-2.10* | |
| | | *For >1,000 To 2,500, Deduct* | *-3.77* | |
| | | *For >2,500 To 5,000, Deduct* | *-5.45* | |
| | | *For >5,000 To 10,000, Deduct* | *-7.13* | |
| | | *For >10,000, Deduct* | *-8.80* | |
| 02 41 13 13-0007 | SY | >6" To 9" By Machine, Break-up And Leave In Place Concrete Paving | 29.69 | |
| | | *For >500 To 1,000, Deduct* | *-2.97* | |
| | | *For >1,000 To 2,500, Deduct* | *-5.34* | |
| | | *For >2,500 To 5,000, Deduct* | *-7.72* | |
| | | *For >5,000 To 10,000, Deduct* | *-10.09* | |
| | | *For >10,000, Deduct* | *-12.47* | |
| 02 41 13 13-0008 | SY | >9" To 14" By Machine, Break-up And Leave In Place Concrete Paving | 41.91 | |
| | | *For >500 To 1,000, Deduct* | *-4.19* | |
| | | *For >1,000 To 2,500, Deduct* | *-7.54* | |
| | | *For >2,500 To 5,000, Deduct* | *-10.90* | |
| | | *For >5,000 To 10,000, Deduct* | *-14.25* | |
| | | *For >10,000, Deduct* | *-17.60* | |
| 02 41 13 13-0009 | SY | >14" To 19" By Machine, Break-up And Leave In Place Concrete Paving | 54.81 | |
| | | *For >500 To 1,000, Deduct* | *-5.48* | |
| | | *For >1,000 To 2,500, Deduct* | *-9.87* | |
| | | *For >2,500 To 5,000, Deduct* | *-14.25* | |
| | | *For >5,000 To 10,000, Deduct* | *-18.64* | |
| | | *For >10,000, Deduct* | *-23.02* | |
| 02 41 13 13-0010 | SY | >19" To 24" By Machine, Break-up And Leave In Place Concrete Paving | 71.25 | |
| | | *For >500 To 1,000, Deduct* | *-7.13* | |
| | | *For >1,000 To 2,500, Deduct* | *-12.83* | |
| | | *For >2,500 To 5,000, Deduct* | *-18.53* | |
| | | *For >5,000 To 10,000, Deduct* | *-24.23* | |
| | | *For >10,000, Deduct* | *-29.93* | |

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0038 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0059 for saw cutting.

| | | | |
|---|---|---|---|
| 02 41 13 13-0012 | SF | Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving | 1.97 |
| 02 41 13 13-0013 | SF | >3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving | 2.50 |
| 02 41 13 13-0014 | SF | >6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving | 3.31 |
| 02 41 13 13-0015 | SF | Up To 3" By Hand, Break-up And Leave In Place Concrete Paving | 2.47 |
| 02 41 13 13-0016 | SF | >3" To 6" By Hand, Break-up And Leave In Place Concrete Paving | 3.15 |
| 02 41 13 13-0017 | SF | >6" To 9" By Hand, Break-up And Leave In Place Concrete Paving | 4.14 |

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 02 41 13 13-0018 | | By Machine, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)* | | | |
| | | Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0059 for saw cutting. | | | |
| 02 41 13 13-0019 | SY | Up To 3" By Machine, Break-up And Remove Bituminous Paving | | 16.57 | |
| | | *For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add* | | *4.97* | |
| | | *For Elevated Slab, Add* | | *8.29* | |
| | | *For >500 To 1,000, Deduct* | | *-1.66* | |
| | | *For >1,000 To 2,500, Deduct* | | *-2.98* | |
| | | *For >2,500 To 5,000, Deduct* | | *-4.31* | |
| | | *For >5,000 To 10,000, Deduct* | | *-5.63* | |
| | | *For >10,000, Deduct* | | *-6.96* | |
| 02 41 13 13-0020 | SY | >3" To 6" By Machine, Break-up And Remove Bituminous Paving | | 22.62 | |
| | | *For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add* | | *6.79* | |
| | | *For Elevated Slab, Add* | | *11.31* | |
| | | *For >500 To 1,000, Deduct* | | *-2.26* | |
| | | *For >1,000 To 2,500, Deduct* | | *-4.07* | |
| | | *For >2,500 To 5,000, Deduct* | | *-5.88* | |
| | | *For >5,000 To 10,000, Deduct* | | *-7.69* | |
| | | *For >10,000, Deduct* | | *-9.50* | |
| 02 41 13 13-0021 | SY | >6" To 9" By Machine, Break-up And Remove Bituminous Paving | | 31.39 | |
| | | *For Elevated Slab, Add* | | *15.70* | |
| | | *For >500 To 1,000, Deduct* | | *-3.14* | |
| | | *For >1,000 To 2,500, Deduct* | | *-5.65* | |
| | | *For >2,500 To 5,000, Deduct* | | *-8.16* | |
| | | *For >5,000 To 10,000, Deduct* | | *-10.67* | |
| | | *For >10,000, Deduct* | | *-13.18* | |
| 02 41 13 13-0022 | SY | >9" To 12" By Machine, Break-up And Remove Bituminous Paving | | 40.95 | |
| | | *For Elevated Slab, Add* | | *20.48* | |
| | | *For >500 To 1,000, Deduct* | | *-4.10* | |
| | | *For >1,000 To 2,500, Deduct* | | *-7.37* | |
| | | *For >2,500 To 5,000, Deduct* | | *-10.65* | |
| | | *For >5,000 To 10,000, Deduct* | | *-13.92* | |
| | | *For >10,000, Deduct* | | *-17.20* | |
| 02 41 13 13-0023 | SY | >12" To 15" By Machine, Break-up And Remove Bituminous Paving | | 57.00 | |
| | | *For Elevated Slab, Add* | | *28.50* | |
| | | *For >500 To 1,000, Deduct* | | *-5.70* | |
| | | *For >1,000 To 2,500, Deduct* | | *-10.26* | |
| | | *For >2,500 To 5,000, Deduct* | | *-14.82* | |
| | | *For >5,000 To 10,000, Deduct* | | *-19.38* | |
| | | *For >10,000, Deduct* | | *-23.94* | |
| 02 41 13 13-0024 | SY | >15" To 18" By Machine, Break-up And Remove Bituminous Paving | | 78.37 | |
| | | *For Elevated Slab, Add* | | *39.19* | |
| | | *For >500 To 1,000, Deduct* | | *-7.84* | |
| | | *For >1,000 To 2,500, Deduct* | | *-14.11* | |
| | | *For >2,500 To 5,000, Deduct* | | *-20.38* | |
| | | *For >5,000 To 10,000, Deduct* | | *-26.65* | |
| | | *For >10,000, Deduct* | | *-32.92* | |
| 02 41 13 13-0025 | SY | Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving | | 19.05 | |
| | | *For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add* | | *5.72* | |
| | | *For Elevated Slab, Add* | | *9.53* | |
| | | *For >500 To 1,000, Deduct* | | *-1.91* | |
| | | *For >1,000 To 2,500, Deduct* | | *-3.43* | |
| | | *For >2,500 To 5,000, Deduct* | | *-4.95* | |
| | | *For >5,000 To 10,000, Deduct* | | *-6.48* | |
| | | *For >10,000, Deduct* | | *-8.00* | |
| 02 41 13 13-0026 | SY | >3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving | | 24.94 | |
| | | *For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add* | | *7.48* | |
| | | *For Elevated Slab, Add* | | *12.47* | |
| | | *For >500 To 1,000, Deduct* | | *-2.49* | |
| | | *For >1,000 To 2,500, Deduct* | | *-4.49* | |
| | | *For >2,500 To 5,000, Deduct* | | *-6.48* | |
| | | *For >5,000 To 10,000, Deduct* | | *-8.48* | |
| | | *For >10,000, Deduct* | | *-10.47* | |
| 02 41 13 13-0027 | SY | >6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving | | 44.53 | |
| | | *For Elevated Slab, Add* | | *22.27* | |
| | | *For >500 To 1,000, Deduct* | | *-4.45* | |
| | | *For >1,000 To 2,500, Deduct* | | *-8.02* | |
| | | *For >2,500 To 5,000, Deduct* | | *-11.58* | |
| | | *For >5,000 To 10,000, Deduct* | | *-15.14* | |
| | | *For >10,000, Deduct* | | *-18.70* | |
| 02 41 13 13-0028 | SY | >9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving | | 58.18 | |
| | | *For Elevated Slab, Add* | | *29.09* | |
| | | *For >500 To 1,000, Deduct* | | *-5.82* | |
| | | *For >1,000 To 2,500, Deduct* | | *-10.47* | |
| | | *For >2,500 To 5,000, Deduct* | | *-15.13* | |
| | | *For >5,000 To 10,000, Deduct* | | *-19.78* | |
| | | *For >10,000, Deduct* | | *-24.44* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 13 13-0029 | SY | Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving | | 25.29 |
| | | *For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add* | | *7.59* |
| | | *Note: (Around Existing Structures And Obstructions), Add* | | |
| | | *For Elevated Slab, Add* | | *12.65* |
| | | *For >500 To 1,000, Deduct* | | *-2.53* |
| | | *For >1,000 To 2,500, Deduct* | | *-4.55* |
| | | *For >2,500 To 5,000, Deduct* | | *-6.58* |
| | | *For >5,000 To 10,000, Deduct* | | *-8.60* |
| | | *For >10,000, Deduct* | | *-10.62* |
| 02 41 13 13-0030 | SY | >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving | | 32.78 |
| | | *For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add* | | *9.83* |
| | | *Note: (Around Existing Structures And Obstructions), Add* | | |
| | | *For Elevated Slab, Add* | | *16.39* |
| | | *For >500 To 1,000, Deduct* | | *-3.28* |
| | | *For >1,000 To 2,500, Deduct* | | *-5.90* |
| | | *For >2,500 To 5,000, Deduct* | | *-8.52* |
| | | *For >5,000 To 10,000, Deduct* | | *-11.15* |
| | | *For >10,000, Deduct* | | *-13.77* |
| 02 41 13 13-0031 | SY | >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving | | 54.33 |
| | | *For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add* | | *16.30* |
| | | *Note: (Around Existing Structures And Obstructions), Add* | | |
| | | *For Elevated Slab, Add* | | *27.17* |
| | | *For >500 To 1,000, Deduct* | | *-5.43* |
| | | *For >1,000 To 2,500, Deduct* | | *-9.78* |
| | | *For >2,500 To 5,000, Deduct* | | *-14.13* |
| | | *For >5,000 To 10,000, Deduct* | | *-18.47* |
| | | *For >10,000, Deduct* | | *-22.82* |
| 02 41 13 13-0032 | SY | Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving | | 27.43 |
| | | *For Elevated Slab, Add* | | *13.72* |
| | | *For >500 To 1,000, Deduct* | | *-2.74* |
| | | *For >1,000 To 2,500, Deduct* | | *-4.94* |
| | | *For >2,500 To 5,000, Deduct* | | *-7.13* |
| | | *For >5,000 To 10,000, Deduct* | | *-9.33* |
| | | *For >10,000, Deduct* | | *-11.52* |
| 02 41 13 13-0033 | SY | >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving | | 35.27 |
| | | *For Elevated Slab, Add* | | *17.64* |
| | | *For >500 To 1,000, Deduct* | | *-3.53* |
| | | *For >1,000 To 2,500, Deduct* | | *-6.35* |
| | | *For >2,500 To 5,000, Deduct* | | *-9.17* |
| | | *For >5,000 To 10,000, Deduct* | | *-11.99* |
| | | *For >10,000, Deduct* | | *-14.81* |
| 02 41 13 13-0034 | SY | >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving | | 63.06 |
| | | *For Elevated Slab, Add* | | *31.53* |
| | | *For >500 To 1,000, Deduct* | | *-6.31* |
| | | *For >1,000 To 2,500, Deduct* | | *-11.35* |
| | | *For >2,500 To 5,000, Deduct* | | *-16.40* |
| | | *For >5,000 To 10,000, Deduct* | | *-21.44* |
| | | *For >10,000, Deduct* | | *-26.49* |
| 02 41 13 13-0035 | SY | >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving | | 82.29 |
| | | *For Elevated Slab, Add* | | *41.15* |
| | | *For >500 To 1,000, Deduct* | | *-8.23* |
| | | *For >1,000 To 2,500, Deduct* | | *-14.81* |
| | | *For >2,500 To 5,000, Deduct* | | *-21.40* |
| | | *For >5,000 To 10,000, Deduct* | | *-27.98* |
| | | *For >10,000, Deduct* | | *-34.56* |
| 02 41 13 13-0036 | SY | >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving | | 107.58 |
| | | *For Elevated Slab, Add* | | *53.79* |
| | | *For >500 To 1,000, Deduct* | | *-10.76* |
| | | *For >1,000 To 2,500, Deduct* | | *-19.36* |
| | | *For >2,500 To 5,000, Deduct* | | *-27.97* |
| | | *For >5,000 To 10,000, Deduct* | | *-36.58* |
| | | *For >10,000, Deduct* | | *-45.18* |
| 02 41 13 13-0037 | SY | >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving | | 130.57 |
| | | *For Elevated Slab, Add* | | *65.29* |
| | | *For >500 To 1,000, Deduct* | | *-13.06* |
| | | *For >1,000 To 2,500, Deduct* | | *-23.50* |
| | | *For >2,500 To 5,000, Deduct* | | *-33.95* |
| | | *For >5,000 To 10,000, Deduct* | | *-44.39* |
| | | *For >10,000, Deduct* | | *-54.84* |

### 02 41 13 13-0038 By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0059 for saw cutting.

| | | | |
|---|---|---|---|
| 02 41 13 13-0039 | SF | Up To 3" By Hand, Break-up And Remove Bituminous Paving | 4.41 |
| 02 41 13 13-0040 | SF | >3" To 6" By Hand, Break-up And Remove Bituminous Paving | 5.80 |
| 02 41 13 13-0041 | SF | >6" To 9" By Hand, Break-up And Remove Bituminous Paving | 7.54 |
| 02 41 13 13-0042 | SF | Up To 3" By Hand, Break-up And Remove Concrete Paving | 5.51 |
| 02 41 13 13-0043 | SF | >3" To 6" By Hand, Break-up And Remove Concrete Paving | 7.61 |
| 02 41 13 13-0044 | SF | >6" To 9" By Hand, Break-up And Remove Concrete Paving | 9.75 |
| 02 41 13 13-0045 | SF | Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving | 7.72 |
| 02 41 13 13-0046 | SF | >3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving | 10.65 |
| 02 41 13 13-0047 | SF | >6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving | 13.64 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

02 41 13 13-0048 Grind Concrete *(02 41 13 13)*

02 41 13 13-0049 EA Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard) 218.79
Note: For each location up to 5' wide, feather up to 12" each direction.

*For >1/2" To 1" Depth Of Grinding, Add* *32.82*
*For >1" To 1-1/2" Depth Of Grinding, Add* *54.70*
*For Up To 5, Add* *43.76*
*For >5 To 10, Add* *21.88*
*For >25 To 50, Deduct* *-21.88*
*For >50 To 250, Deduct* *-32.82*
*For >250, Deduct* *-43.76*
*For Sidewalks >5', Add* *21.88*
*For Up To 12" Additional Feathering Per Side, Add* *21.88*

## 02 41 13 15 Hydro Demolition *(02 41 13)*

02 41 13 15-0001 Hydro Demolition Of Concrete Pavement *(02 41 13 15)*
Note: Includes removal but excludes disposal of concrete.

02 41 13 15-0002 SF Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 8.42
02 41 13 15-0003 SF >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 10.54
02 41 13 15-0004 SF >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 14.10
02 41 13 15-0005 SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 28.05

## 02 41 13 43 Selective Site Demolition *(02 41 13)*

02 41 13 43-0001 Antenna Tower Removal *(02 41 13 43)*

02 41 13 43-0002 EA Demolition And Removal Of 100' Guy Tower And Related Guy Lines (Per quotation #104856-2) 24,850.00
Note: Includes take down of tower, disassemble/cut to fit onto trucks, haul away and disposal.

02 41 13 43-0003 EA Preparation For Demolition And Removal Of 100' Guy Tower (Per quotation #104856-1) 9,740.00
Note: Includes notify neighbors and post signage of work prior to start, stageing dumpsters, rigging safety lines on tower, un-torque corroded or frozen bolts, release tension from 8 of the 16 lower guy cables and turnbuckles.

## 02 41 16 Structure Demolition *(02 41)*

## 02 41 16 13 Building Demolition *(02 41 16)*

02 41 16 13-0001 Building Interior Demolition *(02 41 16 13)*
Note: Gutted and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.

02 41 16 13-0002 GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 8.47
02 41 16 13-0003 GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 12.81
02 41 16 13-0004 GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 10.48
02 41 16 13-0005 GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 9.31

02 41 16 13-0006 Commercial And Residential Structures Demolition *(02 41 16 13)*
Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.

02 41 16 13-0007 Steel Framed Building Demolition *(02 41 16 13-0006)*
Note: Includes masonry partitions and concrete decks.

02 41 16 13-0008 CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition 78.22

*For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct* *-5.87*
*For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct* *-11.73*
*For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct* *-17.60*
*For Up To 500, Add* *23.47*
*For >500 To 1,000, Add* *15.64*
*For >1,000 To 2,000, Add* *7.82*
*For Volume Of Area Within 15' To An Adjacent Building, Add* *25.81*
*For No Interior Partitions, Deduct* *-19.56*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 16 13-0009 | CCF | By Machine, Steel Framed Building Demolition | | 48.78 |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct* | | *-3.66* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct* | | *-7.32* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct* | | *-10.98* |
| | | *For Up To 500, Add* | | *14.63* |
| | | *For >500 To 1,000, Add* | | *9.76* |
| | | *For >1,000 To 2,000, Add* | | *4.88* |
| | | *For Work >3 Stories To 6 Stories (Exclude Volume Below), Add* | | *7.32* |
| | | *For Work >6 Stories To 10 Stories (Exclude Volume Below), Add* | | *12.20* |
| | | *For Work >10 Stories To 15 Stories (Exclude Volume Below), Add* | | *17.07* |
| | | *For Volume Of Area Within 15' To An Adjacent Building, Add* | | *16.10* |
| | | *For No Interior Partitions, Deduct* | | *-12.20* |

## 02 41 16 13-0010 Reinforced Concrete Building Demolition *(02 41 16 13-0006)*

| | | | | |
|---|---|---|---|---|
| 02 41 16 13-0011 | CCF | By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition | | 98.16 |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct* | | *-7.36* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct* | | *-14.72* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct* | | *-22.09* |
| | | *For Up To 500, Add* | | *29.45* |
| | | *For >500 To 1,000, Add* | | *19.63* |
| | | *For >1,000 To 2,000, Add* | | *9.82* |
| | | *For Volume Of Area Within 15' To An Adjacent Building, Add* | | *32.39* |
| | | *For No Interior Partitions, Deduct* | | *-24.54* |
| 02 41 16 13-0012 | CCF | By Machine, Reinforced Concrete Building Demolition | | 64.41 |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct* | | *-4.83* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct* | | *-9.66* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct* | | *-14.49* |
| | | *For Up To 500, Add* | | *19.32* |
| | | *For >500 To 1,000, Add* | | *12.88* |
| | | *For >1,000 To 2,000, Add* | | *6.44* |
| | | *For Work >3 Stories To 6 Stories (Exclude Volume Below), Add* | | *9.66* |
| | | *For Work >6 Stories To 10 Stories (Exclude Volume Below), Add* | | *16.10* |
| | | *For Work >10 Stories To 15 Stories (Exclude Volume Below), Add* | | *22.54* |
| | | *For Volume Of Area Within 15' To An Adjacent Building, Add* | | *21.26* |
| | | *For No Interior Partitions, Deduct* | | *-16.10* |

## 02 41 16 13-0013 Reinforced Block Masonry Building Demolition *(02 41 16 13-0006)*

| | | | | |
|---|---|---|---|---|
| 02 41 16 13-0014 | CCF | By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition | | 83.56 |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct* | | *-6.27* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct* | | *-12.53* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct* | | *-18.80* |
| | | *For Up To 500, Add* | | *25.07* |
| | | *For >500 To 1,000, Add* | | *16.71* |
| | | *For >1,000 To 2,000, Add* | | *8.36* |
| | | *For Volume Of Area Within 15' To An Adjacent Building, Add* | | *27.57* |
| | | *For No Interior Partitions, Deduct* | | *-20.89* |
| 02 41 16 13-0015 | CCF | By Machine, Reinforced Block Masonry Building Demolition | | 54.08 |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct* | | *-4.06* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct* | | *-8.11* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct* | | *-12.17* |
| | | *For Up To 500, Add* | | *16.22* |
| | | *For >500 To 1,000, Add* | | *10.82* |
| | | *For >1,000 To 2,000, Add* | | *5.41* |
| | | *For Work >3 Stories To 6 Stories (Exclude Volume Below), Add* | | *8.11* |
| | | *For Work >6 Stories To 10 Stories (Exclude Volume Below), Add* | | *13.52* |
| | | *For Work >10 Stories To 15 Stories (Exclude Volume Below), Add* | | *18.93* |
| | | *For Volume Of Area Within 15' To An Adjacent Building, Add* | | *17.85* |
| | | *For No Interior Partitions, Deduct* | | *-13.52* |

## 02 41 16 13-0016 Masonry Construction Building Demolition *(02 41 16 13-0006)*

| | | | | |
|---|---|---|---|---|
| 02 41 16 13-0017 | CCF | By Pneumatic Tools/Hand, Masonry Construction Building Demolition | | 68.98 |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct* | | *-5.17* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct* | | *-10.35* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct* | | *-15.52* |
| | | *For Up To 500, Add* | | *20.69* |
| | | *For >500 To 1,000, Add* | | *13.80* |
| | | *For >1,000 To 2,000, Add* | | *6.90* |
| | | *For Volume Of Area Within 15' To An Adjacent Building, Add* | | *22.76* |
| | | *For No Interior Partitions, Deduct* | | *-17.25* |
| 02 41 16 13-0018 | CCF | By Machine, Masonry Construction Building Demolition | | 43.77 |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct* | | *-3.28* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct* | | *-6.57* |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct* | | *-9.85* |
| | | *For Up To 500, Add* | | *13.13* |
| | | *For >500 To 1,000, Add* | | *8.75* |
| | | *For >1,000 To 2,000, Add* | | *4.38* |
| | | *For Work >3 Stories To 6 Stories (Exclude Volume Below), Add* | | *6.57* |
| | | *For Work >6 Stories To 10 Stories (Exclude Volume Below), Add* | | *10.94* |
| | | *For Work >10 Stories To 15 Stories (Exclude Volume Below), Add* | | *15.32* |
| | | *For Volume Of Area Within 15' To An Adjacent Building, Add* | | *14.44* |
| | | *For No Interior Partitions, Deduct* | | *-10.94* |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 16 13-0019 | | Wood Frame Construction Building Demolition *(02 41 16 13-0006)* | | |
| 02 41 16 13-0020 | CCF | By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition | 59.95 | |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct* | *-4.50* | |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct* | *-8.99* | |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct* | *-13.49* | |
| | | *For Up To 500, Add* | *17.99* | |
| | | *For >500 To 1,000, Add* | *11.99* | |
| | | *For >1,000 To 2,000, Add* | *6.00* | |
| | | *For Volume Of Area Within 15' To An Adjacent Building, Add* | *19.78* | |
| | | *For No Interior Partitions, Deduct* | *-14.99* | |
| 02 41 16 13-0021 | CCF | By Machine, Wood Frame Construction Building Demolition | 37.45 | |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct* | *-2.81* | |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct* | *-5.62* | |
| | | *For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct* | *-8.43* | |
| | | *For Up To 500, Add* | *11.24* | |
| | | *For >500 To 1,000, Add* | *7.49* | |
| | | *For >1,000 To 2,000, Add* | *3.75* | |
| | | *For Work >3 Stories To 6 Stories (Exclude Volume Below), Add* | *5.62* | |
| | | *For Volume Of Area Within 15' To An Adjacent Building, Add* | *12.36* | |
| | | *For No Interior Partitions, Deduct* | *-9.36* | |
| 02 41 16 13-0022 | | Sorting Of Material Debris For Recycling Prior To Hauling Off *(02 41 16 13-0006)* | | |
| | | Note: Per building volume. | | |
| 02 41 16 13-0023 | CCF | Sorting Of Material Debris For Recycling Prior To Hauling Off | 10.94 | |
| | | *For Up To 500, Add* | *3.28* | |
| | | *For >500 To 1,000, Add* | *2.19* | |
| | | *For >1,000 To 2,000, Add* | *1.09* | |
| 02 41 16 13-0024 | | Foundation Demolition *(02 41 16 13)* | | |
| | | Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork. | | |
| 02 41 16 13-0025 | | Concrete Foundation Demolition *(02 41 16 13-0024)* | | |
| 02 41 16 13-0026 | CF | Non-Reinforced Concrete Foundation Demolition | 16.43 | |
| | | *For >135 To 405, Deduct* | *-1.44* | |
| | | *For >405 To 810, Deduct* | *-2.88* | |
| | | *For >810 To 2025, Deduct* | *-4.11* | |
| | | *For >2025, Deduct* | *-6.57* | |
| 02 41 16 13-0027 | CF | Reinforced Concrete Foundation Demolition | 19.72 | |
| | | *For >135 To 405, Deduct* | *-1.73* | |
| | | *For >405 To 810, Deduct* | *-3.45* | |
| | | *For >810 To 2025, Deduct* | *-4.93* | |
| | | *For >2025, Deduct* | *-7.89* | |
| 02 41 16 13-0028 | | Concrete Foundation Wall Demolition *(02 41 16 13-0024)* | | |
| 02 41 16 13-0029 | SF | 4" Thick Non-Reinforced Concrete Foundation Wall Demolition | 7.04 | |
| | | *For >500 To 2,000, Deduct* | *-0.53* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.41* | |
| | | *For >6,000 To 8,000, Deduct* | *-2.46* | |
| | | *For >8,000, Deduct* | *-3.87* | |
| 02 41 16 13-0030 | SF | 6" Thick Non-Reinforced Concrete Foundation Wall Demolition | 9.39 | |
| | | *For >500 To 2,000, Deduct* | *-0.70* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.88* | |
| | | *For >6,000 To 8,000, Deduct* | *-3.29* | |
| | | *For >8,000, Deduct* | *-5.16* | |
| 02 41 16 13-0031 | SF | 8" Thick Non-Reinforced Concrete Foundation Wall Demolition | 11.74 | |
| | | *For >500 To 2,000, Deduct* | *-0.88* | |
| | | *For >2,000 To 6,000, Deduct* | *-2.35* | |
| | | *For >6,000 To 8,000, Deduct* | *-4.11* | |
| | | *For >8,000, Deduct* | *-6.46* | |
| 02 41 16 13-0032 | SF | 10" Thick Non-Reinforced Concrete Foundation Wall Demolition | 14.09 | |
| | | *For >500 To 2,000, Deduct* | *-1.06* | |
| | | *For >2,000 To 6,000, Deduct* | *-2.82* | |
| | | *For >6,000 To 8,000, Deduct* | *-4.93* | |
| | | *For >8,000, Deduct* | *-7.75* | |
| 02 41 16 13-0033 | SF | 12" Thick Non-Reinforced Concrete Foundation Wall Demolition | 16.43 | |
| | | *For >500 To 2,000, Deduct* | *-1.23* | |
| | | *For >2,000 To 6,000, Deduct* | *-3.29* | |
| | | *For >6,000 To 8,000, Deduct* | *-5.75* | |
| | | *For >8,000, Deduct* | *-9.04* | |
| 02 41 16 13-0034 | SF | 16" Thick Non-Reinforced Concrete Foundation Wall Demolition | 18.78 | |
| | | *For >500 To 2,000, Deduct* | *-1.41* | |
| | | *For >2,000 To 6,000, Deduct* | *-3.76* | |
| | | *For >6,000 To 8,000, Deduct* | *-6.57* | |
| | | *For >8,000, Deduct* | *-10.33* | |
| 02 41 16 13-0035 | SF | 4" Thick Reinforced Concrete Foundation Wall Demolition | 8.45 | |
| | | *For >500 To 2,000, Deduct* | *-0.63* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.69* | |
| | | *For >6,000 To 8,000, Deduct* | *-2.96* | |
| | | *For >8,000, Deduct* | *-4.65* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 16 13-0036 | SF | 6" Thick Reinforced Concrete Foundation Wall Demolition | 11.26 | |
| | | *For >500 To 2,000, Deduct* | *-0.84* | |
| | | *For >2,000 To 6,000, Deduct* | *-2.25* | |
| | | *For >6,000 To 8,000, Deduct* | *-3.94* | |
| | | *For >8,000, Deduct* | *-6.19* | |
| 02 41 16 13-0037 | SF | 8" Thick Reinforced Concrete Foundation Wall Demolition | 14.09 | |
| | | *For >500 To 2,000, Deduct* | *-1.06* | |
| | | *For >2,000 To 6,000, Deduct* | *-2.82* | |
| | | *For >6,000 To 8,000, Deduct* | *-4.93* | |
| | | *For >8,000, Deduct* | *-7.75* | |
| 02 41 16 13-0038 | SF | 10" Thick Reinforced Concrete Foundation Wall Demolition | 16.67 | |
| | | *For >500 To 2,000, Deduct* | *-1.25* | |
| | | *For >2,000 To 6,000, Deduct* | *-3.33* | |
| | | *For >6,000 To 8,000, Deduct* | *-5.83* | |
| | | *For >8,000, Deduct* | *-9.17* | |
| 02 41 16 13-0039 | SF | 12" Thick Reinforced Concrete Foundation Wall Demolition | 19.72 | |
| | | *For >500 To 2,000, Deduct* | *-1.48* | |
| | | *For >2,000 To 6,000, Deduct* | *-3.94* | |
| | | *For >6,000 To 8,000, Deduct* | *-6.90* | |
| | | *For >8,000, Deduct* | *-10.85* | |
| 02 41 16 13-0040 | SF | 16" Thick Reinforced Concrete Foundation Wall Demolition | 22.54 | |
| | | *For >500 To 2,000, Deduct* | *-1.69* | |
| | | *For >2,000 To 6,000, Deduct* | *-4.51* | |
| | | *For >6,000 To 8,000, Deduct* | *-7.89* | |
| | | *For >8,000, Deduct* | *-12.40* | |

## 02 41 16 13-0041 Concrete Block Foundation Wall Demolition *(02 41 16 13-0024)*

| | | | | |
|---|---|---|---|---|
| 02 41 16 13-0042 | SF | 4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition | 5.17 | |
| | | *For >500 To 2,000, Deduct* | *-0.39* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.03* | |
| | | *For >6,000 To 8,000, Deduct* | *-1.81* | |
| | | *For >8,000, Deduct* | *-2.84* | |
| 02 41 16 13-0043 | SF | 6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition | 5.52 | |
| | | *For >500 To 2,000, Deduct* | *-0.41* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.10* | |
| | | *For >6,000 To 8,000, Deduct* | *-1.93* | |
| | | *For >8,000, Deduct* | *-3.04* | |
| 02 41 16 13-0044 | SF | 8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition | 6.23 | |
| | | *For >500 To 2,000, Deduct* | *-0.47* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.25* | |
| | | *For >6,000 To 8,000, Deduct* | *-2.18* | |
| | | *For >8,000, Deduct* | *-3.43* | |
| 02 41 16 13-0045 | SF | 10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition | 7.16 | |
| | | *For >500 To 2,000, Deduct* | *-0.54* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.43* | |
| | | *For >6,000 To 8,000, Deduct* | *-2.51* | |
| | | *For >8,000, Deduct* | *-3.94* | |
| 02 41 16 13-0046 | SF | 12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition | 7.99 | |
| | | *For >500 To 2,000, Deduct* | *-0.60* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.60* | |
| | | *For >6,000 To 8,000, Deduct* | *-2.80* | |
| | | *For >8,000, Deduct* | *-4.39* | |
| 02 41 16 13-0047 | SF | 16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition | 9.98 | |
| | | *For >500 To 2,000, Deduct* | *-0.75* | |
| | | *For >2,000 To 6,000, Deduct* | *-2.00* | |
| | | *For >6,000 To 8,000, Deduct* | *-3.49* | |
| | | *For >8,000, Deduct* | *-5.49* | |
| 02 41 16 13-0048 | SF | 4" Thick Reinforced Concrete Block Foundation Wall Demolition | 6.19 | |
| | | *For >500 To 2,000, Deduct* | *-0.46* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.24* | |
| | | *For >6,000 To 8,000, Deduct* | *-2.17* | |
| | | *For >8,000, Deduct* | *-3.40* | |
| 02 41 16 13-0049 | SF | 6" Thick Reinforced Concrete Block Foundation Wall Demolition | 6.62 | |
| | | *For >500 To 2,000, Deduct* | *-0.50* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.32* | |
| | | *For >6,000 To 8,000, Deduct* | *-2.32* | |
| | | *For >8,000, Deduct* | *-3.64* | |
| 02 41 16 13-0050 | SF | 8" Thick Reinforced Concrete Block Foundation Wall Demolition | 7.47 | |
| | | *For >500 To 2,000, Deduct* | *-0.56* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.49* | |
| | | *For >6,000 To 8,000, Deduct* | *-2.61* | |
| | | *For >8,000, Deduct* | *-4.11* | |
| 02 41 16 13-0051 | SF | 10" Thick Reinforced Concrete Block Foundation Wall Demolition | 8.59 | |
| | | *For >500 To 2,000, Deduct* | *-0.64* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.72* | |
| | | *For >6,000 To 8,000, Deduct* | *-3.01* | |
| | | *For >8,000, Deduct* | *-4.72* | |
| 02 41 16 13-0052 | SF | 12" Thick Reinforced Concrete Block Foundation Wall Demolition | 9.58 | |
| | | *For >500 To 2,000, Deduct* | *-0.72* | |
| | | *For >2,000 To 6,000, Deduct* | *-1.92* | |
| | | *For >6,000 To 8,000, Deduct* | *-3.35* | |
| | | *For >8,000, Deduct* | *-5.27* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 16 13-0053 | SF | 16" Thick Reinforced Concrete Block Foundation Wall Demolition | | 11.97 |
| | | *For >500 To 2,000, Deduct* | | *-0.90* |
| | | *For >2,000 To 6,000, Deduct* | | *-2.39* |
| | | *For >6,000 To 8,000, Deduct* | | *-4.19* |
| | | *For >8,000, Deduct* | | *-6.58* |

### 02 41 16 13-0054 Brick Foundation Wall Demolition *(02 41 16 13-0024)*

| | | | | |
|---|---|---|---|---|
| 02 41 16 13-0055 | SF | 4" Thick Brick Foundation Wall Demolition | | 5.17 |
| | | *For >500 To 2,000, Deduct* | | *-0.39* |
| | | *For >2,000 To 6,000, Deduct* | | *-1.03* |
| | | *For >6,000 To 8,000, Deduct* | | *-1.81* |
| | | *For >8,000, Deduct* | | *-2.84* |
| 02 41 16 13-0056 | SF | 6" Thick Brick Foundation Wall Demolition | | 5.52 |
| | | *For >500 To 2,000, Deduct* | | *-0.41* |
| | | *For >2,000 To 6,000, Deduct* | | *-1.10* |
| | | *For >6,000 To 8,000, Deduct* | | *-1.93* |
| | | *For >8,000, Deduct* | | *-3.04* |
| 02 41 16 13-0057 | SF | 8" Thick Brick Foundation Wall Demolition | | 6.23 |
| | | *For >500 To 2,000, Deduct* | | *-0.47* |
| | | *For >2,000 To 6,000, Deduct* | | *-1.25* |
| | | *For >6,000 To 8,000, Deduct* | | *-2.18* |
| | | *For >8,000, Deduct* | | *-3.43* |
| 02 41 16 13-0058 | SF | 10" Thick Brick Foundation Wall Demolition | | 7.16 |
| | | *For >500 To 2,000, Deduct* | | *-0.54* |
| | | *For >2,000 To 6,000, Deduct* | | *-1.43* |
| | | *For >6,000 To 8,000, Deduct* | | *-2.51* |
| | | *For >8,000, Deduct* | | *-3.94* |
| 02 41 16 13-0059 | SF | 12" Thick Brick Foundation Wall Demolition | | 7.99 |
| | | *For >500 To 2,000, Deduct* | | *-0.60* |
| | | *For >2,000 To 6,000, Deduct* | | *-1.60* |
| | | *For >6,000 To 8,000, Deduct* | | *-2.80* |
| | | *For >8,000, Deduct* | | *-4.39* |
| 02 41 16 13-0060 | SF | 16" Thick Brick Foundation Wall Demolition | | 9.98 |
| | | *For >500 To 2,000, Deduct* | | *-0.75* |
| | | *For >2,000 To 6,000, Deduct* | | *-2.00* |
| | | *For >6,000 To 8,000, Deduct* | | *-3.49* |
| | | *For >8,000, Deduct* | | *-5.49* |

### 02 41 16 13-0061 Stone Foundation Demolition *(02 41 16 13-0024)*

| | | | | |
|---|---|---|---|---|
| 02 41 16 13-0062 | CF | Stone Footing Or Foundation Wall Demolition | | 16.43 |
| | | *For >135 To 405, Deduct* | | *-1.44* |
| | | *For >405 To 810, Deduct* | | *-2.88* |
| | | *For >810 To 2025, Deduct* | | *-4.11* |
| | | *For >2025, Deduct* | | *-6.57* |

### 02 41 16 13-0063 Other Foundation Demolition *(02 41 16 13-0024)*

| | | | | |
|---|---|---|---|---|
| 02 41 16 13-0064 | CF | Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition<br>Note: Includes excavation. | | 16.94 |
| | | *For >135 To 405, Deduct* | | *-1.48* |
| | | *For >405 To 810, Deduct* | | *-2.96* |
| | | *For >810 To 2025, Deduct* | | *-4.24* |
| | | *For >2025, Deduct* | | *-6.78* |

## 02 41 19 Selective Demolition *(02 41)*

### 02 41 19 13 Selective Building Demolition *(02 41 19)*

### 02 41 19 13-0001 Exterior Masonry Removal *(02 41 19 13)*

### 02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) *(02 41 19 13-0001)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0003 | VLF | 8" x 8" Masonry Column Removal | | 16.71 |
| 02 41 19 13-0004 | VLF | 10" x 10" Masonry Column Removal | | 26.11 |
| 02 41 19 13-0005 | VLF | 12" x 12" Masonry Column Removal | | 33.44 |
| 02 41 19 13-0006 | VLF | 14" x 14" Masonry Column Removal | | 41.85 |
| 02 41 19 13-0007 | VLF | 16" x 16" Masonry Column Removal | | 51.42 |
| 02 41 19 13-0008 | CF | Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square | | 28.87 |

### 02 41 19 13-0009 Masonry Chimney Removal *(02 41 19 13-0001)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0010 | CF | Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed | | 33.87 |
| 02 41 19 13-0011 | CF | >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed | | 25.43 |
| 02 41 19 13-0012 | CF | >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed | | 19.46 |
| 02 41 19 13-0013 | CF | >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed | | 13.48 |

### 02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping *(02 41 19 13-0001)*

Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0015 | LF | Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping | | 20.72 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 19 13-0016 | LF | >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping | 30.96 | |
| 02 41 19 13-0017 | LF | >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping | 59.09 | |

## 02 41 19 13-0018 Facade Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0019 | SF | Stone Or Brick Veneer Facade Removal | 6.36 | |
| | | *For Cleaning and Storage For Reuse, Add* | | *9.54* |

## 02 41 19 13-0020 Exterior Masonry Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0021 | SF | Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall | 5.59 | |
| 02 41 19 13-0022 | SF | Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall | 6.31 | |
| 02 41 19 13-0023 | SF | Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall | 7.63 | |
| 02 41 19 13-0024 | SF | Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall | 8.34 | |
| 02 41 19 13-0025 | SF | Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall | 9.16 | |
| 02 41 19 13-0026 | SF | Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall | 11.45 | |
| 02 41 19 13-0027 | SF | Demolish 4" Thick Reinforced Concrete Block Exterior Wall | 6.61 | |
| 02 41 19 13-0028 | SF | Demolish 6" Thick Reinforced Concrete Block Exterior Wall | 7.57 | |
| 02 41 19 13-0029 | SF | Demolish 8" Thick Reinforced Concrete Block Exterior Wall | 9.16 | |
| 02 41 19 13-0030 | SF | Demolish 10" Thick Reinforced Concrete Block Exterior Wall | 10.01 | |
| 02 41 19 13-0031 | SF | Demolish 12" Thick Reinforced Concrete Block Exterior Wall | 10.98 | |
| 02 41 19 13-0032 | SF | Demolish 16" Thick Reinforced Concrete Block Exterior Wall | 13.75 | |
| 02 41 19 13-0033 | SF | Demolish 4" Thick Brick Exterior Wall | 5.59 | |
| | | *For Cleaning and Storage For Reuse, Add* | | *8.39* |
| 02 41 19 13-0034 | SF | Demolish 6" Thick Brick Exterior Wall | 6.31 | |
| | | *For Cleaning and Storage For Reuse, Add* | | *9.47* |
| 02 41 19 13-0035 | SF | Demolish 8" Thick Brick Exterior Wall | 7.63 | |
| | | *For Cleaning and Storage For Reuse, Add* | | *11.45* |
| 02 41 19 13-0036 | SF | Demolish 10" Thick Brick Exterior Wall | 8.34 | |
| | | *For Cleaning and Storage For Reuse, Add* | | *12.51* |
| 02 41 19 13-0037 | SF | Demolish 12" Thick Brick Exterior Wall | 9.16 | |
| | | *For Cleaning and Storage For Reuse, Add* | | *13.74* |
| 02 41 19 13-0038 | SF | Demolish 16" Thick Brick Exterior Wall | 11.45 | |
| | | *For Cleaning and Storage For Reuse, Add* | | *17.18* |
| 02 41 19 13-0039 | CF | Exterior Brick, Concrete Block Or Composite Removal | 16.28 | |
| | | *For Cleaning and Storage For Reuse, Add* | | *24.42* |

## 02 41 19 13-0040 Lintel Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0041 | LF | Demolish Steel Lintel | 12.86 | |
| 02 41 19 13-0042 | LF | Demolish Concrete Or Stone Lintel | 17.15 | |
| 02 41 19 13-0043 | LF | Demolish Steel Shelf Angle | 13.57 | |

## 02 41 19 13-0044 Reinstall Lintel *(02 41 19 13-0001)*

Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0045 | LF | Clean, Prime And Paint Steel Shelf Angle Or Lintel | 7.39 | |
| 02 41 19 13-0046 | LF | Reinstall Existing Concrete Or Stone Lintel | 17.15 | |
| 02 41 19 13-0047 | LF | Reinstall Existing Steel Shelf Angle<br>Note: Includes fasteners. | 48.39 | |
| 02 41 19 13-0048 | LF | Reinstall Existing Steel Lintel | 19.05 | |
| 02 41 19 13-0049 | LF | Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls | 82.48 | |
| 02 41 19 13-0050 | LF | Removal And Replacement Of Steel Lintel Over Window Openings | 151.44 | |

## 02 41 19 13-0051 Exterior Concrete Wall Removal *(02 41 19 13)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0052 | SF | Demolish 4" Thick Reinforced Concrete Exterior Wall | 7.31 | |
| 02 41 19 13-0053 | SF | Demolish 6" Thick Reinforced Concrete Exterior Wall | 13.27 | |
| 02 41 19 13-0054 | SF | Demolish 8" Thick Reinforced Concrete Exterior Wall | 16.67 | |
| 02 41 19 13-0055 | SF | Demolish 10" Thick Reinforced Concrete Exterior Wall | 19.66 | |
| 02 41 19 13-0056 | SF | Demolish 12" Thick Reinforced Concrete Exterior Wall | 23.24 | |

## 02 41 19 13-0057 Elevated Concrete Removal *(02 41 19 13)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0058 | CF | Elevated Concrete Beam/Slab/Steps Removal, Reinforced | 14.23 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 19 13-0059 | | **Saw Cutting** *(02 41 19 13)*<br>Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section. | | |
| 02 41 19 13-0060 | EA | Saw Cut Minimum Charge<br>Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 1,168.69 | |
| 02 41 19 13-0061 | LF | Bituminous Paving Up To 4" Depth, Saw Cut | 2.59 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *0.99* | |
| | | *For >250, Deduct* | *-0.24* | |
| 02 41 19 13-0062 | LF | Brick Masonry Up To 4" Depth, Saw Cut | 9.56 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *3.77* | |
| | | *For >250, Deduct* | *-0.94* | |
| 02 41 19 13-0063 | LF | Concrete Block Up To 4" Depth, Saw Cut | 8.65 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *3.40* | |
| | | *For >250, Deduct* | *-0.85* | |
| 02 41 19 13-0064 | LF | Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut | 3.00 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *1.14* | |
| | | *For >250, Deduct* | *-0.28* | |
| 02 41 19 13-0065 | LF | Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut | 3.94 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *1.50* | |
| | | *For >250, Deduct* | *-0.37* | |
| 02 41 19 13-0066 | LF | Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut | 6.44 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *2.50* | |
| | | *For >250, Deduct* | *-0.62* | |
| 02 41 19 13-0067 | LF | Plain Concrete Walls Up To 4" Depth, Saw Cut | 12.21 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *4.82* | |
| | | *For >250, Deduct* | *-1.20* | |
| 02 41 19 13-0068 | LF | Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth | 16.38 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *6.47* | |
| | | *For >250, Deduct* | *-1.61* | |
| 02 41 19 13-0069 | LF | Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets | 3.27 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *1.18* | |
| | | *For >250, Deduct* | *-0.29* | |
| 02 41 19 13-0070 | LF | Igneous Stone Pavements Up To 4" Depth, Saw Cut | 8.69 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *3.41* | |
| | | *For >250, Deduct* | *-0.85* | |
| 02 41 19 13-0071 | LF | Sedimentary Stone Pavements Up To 4" Depth, Saw Cut | 8.69 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *3.41* | |
| | | *For >250, Deduct* | *-0.85* | |
| 02 41 19 13-0072 | LF | Metamorphic Stone Pavements Up To 4" Depth, Saw Cut | 8.69 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *3.41* | |
| | | *For >250, Deduct* | *-0.85* | |
| 02 41 19 13-0073 | LF | Terrazzo Stone Pavements Up To 4" Depth, Saw Cut | 8.69 | |
| | | *For Each Additional Pass (Depth To 3"), Add* | *3.41* | |
| | | *For >250, Deduct* | *-0.85* | |
| 02 41 19 13-0074 | | **Torch Cutting** *(02 41 19 13)*<br>Note: Includes grinding edge | | |
| 02 41 19 13-0075 | LF | Up To 1/2", Torch Cut Steel Plate | 3.14 | |
| 02 41 19 13-0076 | LF | >1/2" To 1" Thick, Torch Cut Steel Plate | 6.29 | |
| 02 41 19 13-0077 | LF | >1" To 1-1/2" Thick, Torch Cut Steel Plate | 9.43 | |
| 02 41 19 13-0078 | LF | >1-1/2" To 2" Thick, Torch Cut Steel Plate | 12.58 | |
| 02 41 19 13-0079 | LF | >2" To 2-1/2" Thick, Torch Cut Steel Plate | 15.73 | |
| 02 41 19 13-0080 | LF | >2-1/2" To 3" Thick, Torch Cut Steel Plate | 18.87 | |
| 02 41 19 13-0081 | EA | Torch Cutting Minimum Charge<br>Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 1,035.75 | |
| 02 41 19 13-0082 | | **Drilling In Existing Materials** *(02 41 19 13)*<br>Note: Includes drill bit wear, water, layout, set-up and clean-up. | | |
| 02 41 19 13-0083 | | **Concrete Core Drilling** *(02 41 19 13-0082)* | | |
| 02 41 19 13-0084 | | **Up To 4" Thick Concrete Core Drilling** *(02 41 19 13-0083)* | | |
| 02 41 19 13-0085 | EA | Drill 1" Diameter Core In Up To 4" Concrete | 46.21 | |
| | | *For Horizontal Cores, Add* | *9.14* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *18.28* | |
| 02 41 19 13-0086 | EA | Drill 1-1/2" Diameter Core In Up To 4" Concrete | 51.28 | |
| | | *For Horizontal Cores, Add* | *10.15* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *20.31* | |
| 02 41 19 13-0087 | EA | Drill 2" Diameter Core In Up To 4" Concrete | 56.93 | |
| | | *For Horizontal Cores, Add* | *11.28* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *22.57* | |
| 02 41 19 13-0088 | EA | Drill 3" Diameter Core In Up To 4" Concrete | 81.29 | |
| | | *For Horizontal Cores, Add* | *16.12* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *32.24* | |
| 02 41 19 13-0089 | EA | Drill 4" Diameter Core In Up To 4" Concrete | 108.93 | |
| | | *For Horizontal Cores, Add* | *21.60* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *43.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 19 13-0090 | EA | Drill 6" Diameter Core In Up To 4" Concrete | 122.07 | |
| | | *For Horizontal Cores, Add* | *24.18* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *48.36* | |
| 02 41 19 13-0091 | EA | Drill 8" Diameter Core In Up To 4" Concrete | 195.05 | |
| | | *For Horizontal Cores, Add* | *38.69* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *77.38* | |
| 02 41 19 13-0092 | EA | Drill 10" Diameter Core In Up To 4" Concrete | 243.98 | |
| | | *For Horizontal Cores, Add* | *48.36* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *96.72* | |
| 02 41 19 13-0093 | EA | Drill 12" Diameter Core In Up To 4" Concrete | 284.73 | |
| | | *For Horizontal Cores, Add* | *56.42* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *112.84* | |
| 02 41 19 13-0094 | EA | Drill 14" Diameter Core In Up To 4" Concrete | 325.49 | |
| | | *For Horizontal Cores, Add* | *64.47* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *128.95* | |
| 02 41 19 13-0095 | EA | Drill 18" Diameter Core In Up To 4" Concrete | 366.66 | |
| | | *For Horizontal Cores, Add* | *72.53* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *145.06* | |

## 02 41 19 13-0096 >4" To 6" Thick Concrete Core Drilling *(02 41 19 13-0083)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0097 | EA | Drill 1" Diameter Core In >4" To 6" Concrete | 66.06 | |
| | | *For Horizontal Cores, Add* | *13.05* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *26.11* | |
| 02 41 19 13-0098 | EA | Drill 1-1/2" Diameter Core In >4" To 6" Concrete | 73.32 | |
| | | *For Horizontal Cores, Add* | *14.51* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *29.01* | |
| 02 41 19 13-0099 | EA | Drill 2" Diameter Core In >4" To 6" Concrete | 81.37 | |
| | | *For Horizontal Cores, Add* | *16.12* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *32.23* | |
| 02 41 19 13-0100 | EA | Drill 3" Diameter Core In >4" To 6" Concrete | 97.80 | |
| | | *For Horizontal Cores, Add* | *19.34* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *38.69* | |
| 02 41 19 13-0101 | EA | Drill 4" Diameter Core In >4" To 6" Concrete | 122.33 | |
| | | *For Horizontal Cores, Add* | *24.18* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *48.36* | |
| 02 41 19 13-0102 | EA | Drill 6" Diameter Core In >4" To 6" Concrete | 162.98 | |
| | | *For Horizontal Cores, Add* | *32.24* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *64.48* | |
| 02 41 19 13-0103 | EA | Drill 8" Diameter Core In >4" To 6" Concrete | 244.22 | |
| | | *For Horizontal Cores, Add* | *48.36* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *96.72* | |
| 02 41 19 13-0104 | EA | Drill 10" Diameter Core In >4" To 6" Concrete | 285.38 | |
| | | *For Horizontal Cores, Add* | *56.42* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *112.84* | |
| 02 41 19 13-0105 | EA | Drill 12" Diameter Core In >4" To 6" Concrete | 326.29 | |
| | | *For Horizontal Cores, Add* | *64.47* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *128.95* | |
| 02 41 19 13-0106 | EA | Drill 14" Diameter Core In >4" To 6" Concrete | 367.41 | |
| | | *For Horizontal Cores, Add* | *72.53* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *145.06* | |
| 02 41 19 13-0107 | EA | Drill 18" Diameter Core In >4" To 6" Concrete | 409.15 | |
| | | *For Horizontal Cores, Add* | *80.60* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *161.19* | |

## 02 41 19 13-0108 >6" To 8" Thick Concrete Core Drilling *(02 41 19 13-0083)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0109 | EA | Drill 1" Diameter Core In >6" To 8" Concrete | 72.88 | |
| | | *For Horizontal Cores, Add* | *14.36* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *28.72* | |
| 02 41 19 13-0110 | EA | Drill 1-1/2" Diameter Core In >6" To 8" Concrete | 80.86 | |
| | | *For Horizontal Cores, Add* | *15.96* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *31.92* | |
| 02 41 19 13-0111 | EA | Drill 2" Diameter Core In >6" To 8" Concrete | 89.72 | |
| | | *For Horizontal Cores, Add* | *17.73* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *35.46* | |
| 02 41 19 13-0112 | EA | Drill 3" Diameter Core In >6" To 8" Concrete | 106.25 | |
| | | *For Horizontal Cores, Add* | *20.96* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *41.91* | |
| 02 41 19 13-0113 | EA | Drill 4" Diameter Core In >6" To 8" Concrete | 138.93 | |
| | | *For Horizontal Cores, Add* | *27.40* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *54.80* | |
| 02 41 19 13-0114 | EA | Drill 6" Diameter Core In >6" To 8" Concrete | 195.83 | |
| | | *For Horizontal Cores, Add* | *38.69* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *77.38* | |
| 02 41 19 13-0115 | EA | Drill 8" Diameter Core In >6" To 8" Concrete | 325.62 | |
| | | *For Horizontal Cores, Add* | *64.47* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *128.95* | |
| 02 41 19 13-0116 | EA | Drill 10" Diameter Core In >6" To 8" Concrete | 367.00 | |
| | | *For Horizontal Cores, Add* | *72.53* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *145.06* | |
| 02 41 19 13-0117 | EA | Drill 12" Diameter Core In >6" To 8" Concrete | 408.20 | |
| | | *For Horizontal Cores, Add* | *80.60* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *161.19* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 19 13-0118 | EA | Drill 14" Diameter Core In >6" To 8" Concrete | 449.61 | |
| | | *For Horizontal Cores, Add* | *88.64* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *177.28* | |
| 02 41 19 13-0119 | EA | Drill 18" Diameter Core In >6" To 8" Concrete | 491.94 | |
| | | *For Horizontal Cores, Add* | *96.72* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *193.44* | |

## 02 41 19 13-0120 >8" To 10" Thick Concrete Core Drilling *(02 41 19 13-0083)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0121 | EA | Drill 1" Diameter Core In >8" To 10" Concrete | 86.22 | |
| | | *For Horizontal Cores, Add* | *16.97* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *33.95* | |
| 02 41 19 13-0122 | EA | Drill 1-1/2" Diameter Core In >8" To 10" Concrete | 95.65 | |
| | | *For Horizontal Cores, Add* | *18.86* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *37.72* | |
| 02 41 19 13-0123 | EA | Drill 2" Diameter Core In >8" To 10" Concrete | 106.12 | |
| | | *For Horizontal Cores, Add* | *20.95* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *41.91* | |
| 02 41 19 13-0124 | EA | Drill 3" Diameter Core In >8" To 10" Concrete | 122.76 | |
| | | *For Horizontal Cores, Add* | *24.18* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *48.36* | |
| 02 41 19 13-0125 | EA | Drill 4" Diameter Core In >8" To 10" Concrete | 139.43 | |
| | | *For Horizontal Cores, Add* | *27.40* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *54.80* | |
| 02 41 19 13-0126 | EA | Drill 6" Diameter Core In >8" To 10" Concrete | 196.44 | |
| | | *For Horizontal Cores, Add* | *38.69* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *77.38* | |
| 02 41 19 13-0127 | EA | Drill 8" Diameter Core In >8" To 10" Concrete | 326.44 | |
| | | *For Horizontal Cores, Add* | *64.47* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *128.95* | |
| 02 41 19 13-0128 | EA | Drill 10" Diameter Core In >8" To 10" Concrete | 368.09 | |
| | | *For Horizontal Cores, Add* | *72.53* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *145.06* | |
| 02 41 19 13-0129 | EA | Drill 12" Diameter Core In >8" To 10" Concrete | 409.42 | |
| | | *For Horizontal Cores, Add* | *80.58* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *161.16* | |
| 02 41 19 13-0130 | EA | Drill 14" Diameter Core In >8" To 10" Concrete | 451.26 | |
| | | *For Horizontal Cores, Add* | *88.64* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *177.28* | |
| 02 41 19 13-0131 | EA | Drill 18" Diameter Core In >8" To 10" Concrete | 493.98 | |
| | | *For Horizontal Cores, Add* | *96.70* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *193.39* | |

## 02 41 19 13-0132 >10" To 12" Thick Concrete Core Drilling *(02 41 19 13-0083)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0133 | EA | Drill 1" Diameter Core In >10" To 12" Concrete | 93.03 | |
| | | *For Horizontal Cores, Add* | *18.28* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *36.56* | |
| 02 41 19 13-0134 | EA | Drill 1-1/2" Diameter Core In >10" To 12" Concrete | 103.19 | |
| | | *For Horizontal Cores, Add* | *20.31* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *40.62* | |
| 02 41 19 13-0135 | EA | Drill 2" Diameter Core In >10" To 12" Concrete | 114.47 | |
| | | *For Horizontal Cores, Add* | *22.57* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *45.14* | |
| 02 41 19 13-0136 | EA | Drill 3" Diameter Core In >10" To 12" Concrete | 123.15 | |
| | | *For Horizontal Cores, Add* | *24.18* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *48.36* | |
| 02 41 19 13-0137 | EA | Drill 4" Diameter Core In >10" To 12" Concrete | 164.12 | |
| | | *For Horizontal Cores, Add* | *32.24* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *64.48* | |
| 02 41 19 13-0138 | EA | Drill 6" Diameter Core In >10" To 12" Concrete | 213.16 | |
| | | *For Horizontal Cores, Add* | *41.91* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *83.83* | |
| 02 41 19 13-0139 | EA | Drill 8" Diameter Core In >10" To 12" Concrete | 343.40 | |
| | | *For Horizontal Cores, Add* | *67.70* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *135.40* | |
| 02 41 19 13-0140 | EA | Drill 10" Diameter Core In >10" To 12" Concrete | 369.17 | |
| | | *For Horizontal Cores, Add* | *72.53* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *145.06* | |
| 02 41 19 13-0141 | EA | Drill 12" Diameter Core In >10" To 12" Concrete | 426.97 | |
| | | *For Horizontal Cores, Add* | *83.83* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *167.66* | |

## 02 41 19 13-0142 >12" Thick Concrete Core Drilling *(02 41 19 13-0083)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0143 | IN | Drill 1" Diameter Core In >12" Concrete | 11.32 | |
| | | *For Horizontal Cores, Add* | *2.24* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *4.47* | |
| 02 41 19 13-0144 | IN | Drill 1-1/2" Diameter Core In >12" Concrete | 12.56 | |
| | | *For Horizontal Cores, Add* | *2.48* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *4.97* | |
| 02 41 19 13-0145 | IN | Drill 2" Diameter Core In >12" Concrete | 13.93 | |
| | | *For Horizontal Cores, Add* | *2.76* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *5.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 19 13-0146 | IN | Drill 3" Diameter Core In >12" Concrete | 15.29 | |
| | | *For Horizontal Cores, Add* | *3.02* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *6.04* | |
| 02 41 19 13-0147 | IN | Drill 4" Diameter Core In >12" Concrete | 20.38 | |
| | | *For Horizontal Cores, Add* | *4.03* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *8.06* | |
| 02 41 19 13-0148 | IN | Drill 6" Diameter Core In >12" Concrete | 26.51 | |
| | | *For Horizontal Cores, Add* | *5.24* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *10.48* | |
| 02 41 19 13-0149 | IN | Drill 8" Diameter Core In >12" Concrete | 42.76 | |
| | | *For Horizontal Cores, Add* | *8.47* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *16.94* | |
| 02 41 19 13-0150 | IN | Drill 10" Diameter Core In >12" Concrete | 46.06 | |
| | | *For Horizontal Cores, Add* | *9.10* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *18.21* | |
| 02 41 19 13-0151 | IN | Drill 12" Diameter Core In >12" Concrete | 53.08 | |
| | | *For Horizontal Cores, Add* | *10.49* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *20.97* | |

## 02 41 19 13-0152 Brick/Concrete Block Core Drilling *(02 41 19 13-0082)*

## 02 41 19 13-0153 Up To 4" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0154 | EA | Drill 1" Diameter Core In Up To 4" Brick/Concrete Block | 37.07 | |
| | | *For Horizontal Cores, Add* | *7.31* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *14.62* | |
| 02 41 19 13-0155 | EA | Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block | 41.13 | |
| | | *For Horizontal Cores, Add* | *8.12* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *16.25* | |
| 02 41 19 13-0156 | EA | Drill 2" Diameter Core In Up To 4" Brick/Concrete Block | 45.65 | |
| | | *For Horizontal Cores, Add* | *9.03* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *18.06* | |
| 02 41 19 13-0157 | EA | Drill 3" Diameter Core In Up To 4" Brick/Concrete Block | 65.16 | |
| | | *For Horizontal Cores, Add* | *12.89* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *25.79* | |
| 02 41 19 13-0158 | EA | Drill 4" Diameter Core In Up To 4" Brick/Concrete Block | 87.33 | |
| | | *For Horizontal Cores, Add* | *17.28* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *34.56* | |
| 02 41 19 13-0159 | EA | Drill 6" Diameter Core In Up To 4" Brick/Concrete Block | 97.89 | |
| | | *For Horizontal Cores, Add* | *19.34* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *38.69* | |
| 02 41 19 13-0160 | EA | Drill 8" Diameter Core In Up To 4" Brick/Concrete Block | 156.36 | |
| | | *For Horizontal Cores, Add* | *30.95* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *61.90* | |
| 02 41 19 13-0161 | EA | Drill 10" Diameter Core In Up To 4" Brick/Concrete Block | 195.62 | |
| | | *For Horizontal Cores, Add* | *38.69* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *77.37* | |
| 02 41 19 13-0162 | EA | Drill 12" Diameter Core In Up To 4" Brick/Concrete Block | 228.31 | |
| | | *For Horizontal Cores, Add* | *45.14* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *90.28* | |
| 02 41 19 13-0163 | EA | Drill 14" Diameter Core In Up To 4" Brick/Concrete Block | 261.02 | |
| | | *For Horizontal Cores, Add* | *51.58* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *103.16* | |
| 02 41 19 13-0164 | EA | Drill 18" Diameter Core In Up To 4" Brick/Concrete Block | 294.14 | |
| | | *For Horizontal Cores, Add* | *58.03* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *116.05* | |

## 02 41 19 13-0165 >4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0166 | EA | Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block | 53.01 | |
| | | *For Horizontal Cores, Add* | *10.44* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *20.89* | |
| 02 41 19 13-0167 | EA | Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block | 58.81 | |
| | | *For Horizontal Cores, Add* | *11.60* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *23.21* | |
| 02 41 19 13-0168 | EA | Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block | 65.25 | |
| | | *For Horizontal Cores, Add* | *12.89* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *25.78* | |
| 02 41 19 13-0169 | EA | Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block | 78.46 | |
| | | *For Horizontal Cores, Add* | *15.48* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *30.95* | |
| 02 41 19 13-0170 | EA | Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block | 98.15 | |
| | | *For Horizontal Cores, Add* | *19.34* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *38.69* | |
| 02 41 19 13-0171 | EA | Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block | 130.74 | |
| | | *For Horizontal Cores, Add* | *25.79* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *51.58* | |
| 02 41 19 13-0172 | EA | Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block | 195.86 | |
| | | *For Horizontal Cores, Add* | *38.69* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *77.37* | |
| 02 41 19 13-0173 | EA | Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block | 228.96 | |
| | | *For Horizontal Cores, Add* | *45.14* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *90.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 19 13-0174 | EA | Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block | 261.82 | |
| | | *For Horizontal Cores, Add* | *51.58* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *103.16* | |
| 02 41 19 13-0175 | EA | Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block | 294.89 | |
| | | *For Horizontal Cores, Add* | *58.03* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *116.05* | |
| 02 41 19 13-0176 | EA | Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block | 328.55 | |
| | | *For Horizontal Cores, Add* | *64.48* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *128.95* | |

## 02 41 19 13-0177 >6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0178 | EA | Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block | 58.52 | |
| | | *For Horizontal Cores, Add* | *11.49* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *22.98* | |
| 02 41 19 13-0179 | EA | Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block | 64.90 | |
| | | *For Horizontal Cores, Add* | *12.77* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *25.53* | |
| 02 41 19 13-0180 | EA | Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block | 72.00 | |
| | | *For Horizontal Cores, Add* | *14.19* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *28.37* | |
| 02 41 19 13-0181 | EA | Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block | 85.29 | |
| | | *For Horizontal Cores, Add* | *16.76* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *33.53* | |
| 02 41 19 13-0182 | EA | Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block | 111.53 | |
| | | *For Horizontal Cores, Add* | *21.92* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *43.84* | |
| 02 41 19 13-0183 | EA | Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block | 157.14 | |
| | | *For Horizontal Cores, Add* | *30.95* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *61.90* | |
| 02 41 19 13-0184 | EA | Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block | 261.15 | |
| | | *For Horizontal Cores, Add* | *51.58* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *103.16* | |
| 02 41 19 13-0185 | EA | Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block | 294.48 | |
| | | *For Horizontal Cores, Add* | *58.03* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *116.05* | |
| 02 41 19 13-0186 | EA | Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block | 327.60 | |
| | | *For Horizontal Cores, Add* | *64.48* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *128.95* | |
| 02 41 19 13-0187 | EA | Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block | 360.97 | |
| | | *For Horizontal Cores, Add* | *70.91* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *141.82* | |
| 02 41 19 13-0188 | EA | Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block | 395.22 | |
| | | *For Horizontal Cores, Add* | *77.38* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *154.75* | |

## 02 41 19 13-0189 >8" To 10" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0190 | EA | Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block | 69.25 | |
| | | *For Horizontal Cores, Add* | *13.58* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *27.16* | |
| 02 41 19 13-0191 | EA | Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block | 76.79 | |
| | | *For Horizontal Cores, Add* | *15.09* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *30.18* | |
| 02 41 19 13-0192 | EA | Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block | 85.17 | |
| | | *For Horizontal Cores, Add* | *16.76* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *33.53* | |
| 02 41 19 13-0193 | EA | Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block | 98.58 | |
| | | *For Horizontal Cores, Add* | *19.34* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *38.69* | |
| 02 41 19 13-0194 | EA | Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block | 112.03 | |
| | | *For Horizontal Cores, Add* | *21.92* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *43.84* | |
| 02 41 19 13-0195 | EA | Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block | 157.75 | |
| | | *For Horizontal Cores, Add* | *30.95* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *61.90* | |
| 02 41 19 13-0196 | EA | Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block | 261.97 | |
| | | *For Horizontal Cores, Add* | *51.58* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *103.16* | |
| 02 41 19 13-0197 | EA | Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block | 295.57 | |
| | | *For Horizontal Cores, Add* | *58.03* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *116.05* | |
| 02 41 19 13-0198 | EA | Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block | 328.84 | |
| | | *For Horizontal Cores, Add* | *64.46* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *128.93* | |
| 02 41 19 13-0199 | EA | Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block | 362.62 | |
| | | *For Horizontal Cores, Add* | *70.91* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *141.82* | |
| 02 41 19 13-0200 | EA | Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block | 397.28 | |
| | | *For Horizontal Cores, Add* | *77.36* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *154.71* | |

## 02 41 19 13-0201 >10" To 12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 19 13-0202 | EA | Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block | 74.75 | |
| | | *For Horizontal Cores, Add* | *14.62* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *29.25* | |
| 02 41 19 13-0203 | EA | Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block | 82.88 | |
| | | *For Horizontal Cores, Add* | *16.25* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *32.50* | |
| 02 41 19 13-0204 | EA | Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block | 91.91 | |
| | | *For Horizontal Cores, Add* | *18.06* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *36.11* | |
| 02 41 19 13-0205 | EA | Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block | 98.97 | |
| | | *For Horizontal Cores, Add* | *19.34* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *38.69* | |
| 02 41 19 13-0206 | EA | Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block | 131.88 | |
| | | *For Horizontal Cores, Add* | *25.79* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *51.58* | |
| 02 41 19 13-0207 | EA | Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block | 171.25 | |
| | | *For Horizontal Cores, Add* | *33.53* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *67.06* | |
| 02 41 19 13-0208 | EA | Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block | 275.69 | |
| | | *For Horizontal Cores, Add* | *54.16* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *108.32* | |
| 02 41 19 13-0209 | EA | Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block | 296.65 | |
| | | *For Horizontal Cores, Add* | *58.03* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *116.05* | |
| 02 41 19 13-0210 | EA | Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block | 343.13 | |
| | | *For Horizontal Cores, Add* | *67.06* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *134.12* | |

## 02 41 19 13-0211 >12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

| | | | | |
|---|---|---|---|---|
| 02 41 19 13-0212 | IN | Drill 1" Diameter Core In >12" Brick/Concrete Block | 9.08 | |
| | | *For Horizontal Cores, Add* | *1.79* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *3.58* | |
| 02 41 19 13-0213 | IN | Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block | 10.08 | |
| | | *For Horizontal Cores, Add* | *1.99* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *3.98* | |
| 02 41 19 13-0214 | IN | Drill 2" Diameter Core In >12" Brick/Concrete Block | 11.17 | |
| | | *For Horizontal Cores, Add* | *2.21* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *4.41* | |
| 02 41 19 13-0215 | IN | Drill 3" Diameter Core In >12" Brick/Concrete Block | 12.27 | |
| | | *For Horizontal Cores, Add* | *2.42* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *4.83* | |
| 02 41 19 13-0216 | IN | Drill 4" Diameter Core In >12" Brick/Concrete Block | 16.36 | |
| | | *For Horizontal Cores, Add* | *3.22* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *6.45* | |
| 02 41 19 13-0217 | IN | Drill 6" Diameter Core In >12" Brick/Concrete Block | 21.27 | |
| | | *For Horizontal Cores, Add* | *4.19* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *8.39* | |
| 02 41 19 13-0218 | IN | Drill 8" Diameter Core In >12" Brick/Concrete Block | 34.29 | |
| | | *For Horizontal Cores, Add* | *6.78* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *13.55* | |
| 02 41 19 13-0219 | IN | Drill 10" Diameter Core In >12" Brick/Concrete Block | 36.96 | |
| | | *For Horizontal Cores, Add* | *7.28* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *14.57* | |
| 02 41 19 13-0220 | IN | Drill 12" Diameter Core In >12" Brick/Concrete Block | 42.59 | |
| | | *For Horizontal Cores, Add* | *8.39* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *16.78* | |

## 02 41 19 13-0221 Asphalt Core Drilling *(02 41 19 13-0082)*

## 02 41 19 13-0222 Up To 2" Thick Asphalt Core Drilling *(02 41 19 13-0221)*

| | | | |
|---|---|---|---|
| 02 41 19 13-0223 | EA | Drill 1" Diameter Core In Up To 2" Asphalt | 22.17 |
| 02 41 19 13-0224 | EA | Drill 1-1/2" Diameter Core In Up To 2" Asphalt | 27.72 |
| 02 41 19 13-0225 | EA | Drill 2" Diameter Core In Up To 2" Asphalt | 34.65 |
| 02 41 19 13-0226 | EA | Drill 3" Diameter Core In Up To 2" Asphalt | 42.98 |
| 02 41 19 13-0227 | EA | Drill 4" Diameter Core In Up To 2" Asphalt | 54.08 |
| 02 41 19 13-0228 | EA | Drill 6" Diameter Core In Up To 2" Asphalt | 67.96 |
| 02 41 19 13-0229 | EA | Drill 8" Diameter Core In Up To 2" Asphalt | 84.65 |
| 02 41 19 13-0230 | EA | Drill 10" Diameter Core In Up To 2" Asphalt | 105.40 |
| 02 41 19 13-0231 | EA | Drill 12" Diameter Core In Up To 2" Asphalt | 131.73 |

## 02 41 19 13-0232 >2" To 3" Thick Asphalt Core Drilling *(02 41 19 13-0221)*

| | | | |
|---|---|---|---|
| 02 41 19 13-0233 | EA | Drill 1" Diameter Core In >2" To 3" Asphalt | 27.71 |
| 02 41 19 13-0234 | EA | Drill 1-1/2" Diameter Core In >2" To 3" Asphalt | 36.02 |
| 02 41 19 13-0235 | EA | Drill 2" Diameter Core In >2" To 3" Asphalt | 44.33 |
| 02 41 19 13-0236 | EA | Drill 3" Diameter Core In >2" To 3" Asphalt | 55.43 |
| 02 41 19 13-0237 | EA | Drill 4" Diameter Core In >2" To 3" Asphalt | 69.29 |
| 02 41 19 13-0238 | EA | Drill 6" Diameter Core In >2" To 3" Asphalt | 87.32 |
| 02 41 19 13-0239 | EA | Drill 8" Diameter Core In >2" To 3" Asphalt | 108.17 |
| 02 41 19 13-0240 | EA | Drill 10" Diameter Core In >2" To 3" Asphalt | 135.85 |
| 02 41 19 13-0241 | EA | Drill 12" Diameter Core In >2" To 3" Asphalt | 169.08 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **02 41 19 13-0242** | | **>3" To 4" Thick Asphalt Core Drilling** *(02 41 19 13-0221)* | | |
| 02 41 19 13-0243 | EA | Drill 1" Diameter Core In >3" To 4" Asphalt | 36.03 | |
| 02 41 19 13-0244 | EA | Drill 1-1/2" Diameter Core In >3" To 4" Asphalt | 45.74 | |
| 02 41 19 13-0245 | EA | Drill 2" Diameter Core In >3" To 4" Asphalt | 56.82 | |
| 02 41 19 13-0246 | EA | Drill 3" Diameter Core In >3" To 4" Asphalt | 70.71 | |
| 02 41 19 13-0247 | EA | Drill 4" Diameter Core In >3" To 4" Asphalt | 88.76 | |
| 02 41 19 13-0248 | EA | Drill 6" Diameter Core In >3" To 4" Asphalt | 110.94 | |
| 02 41 19 13-0249 | EA | Drill 8" Diameter Core In >3" To 4" Asphalt | 138.75 | |
| 02 41 19 13-0250 | EA | Drill 10" Diameter Core In >3" To 4" Asphalt | 173.37 | |
| 02 41 19 13-0251 | EA | Drill 12 Diameter Core In >3" To 4" Asphalt | 216.31 | |
| **02 41 19 13-0252** | | **>4" To 6" Thick Asphalt Core Drilling** *(02 41 19 13-0221)* | | |
| 02 41 19 13-0253 | EA | Drill 1" Diameter Core In >4" To 6" Asphalt | 47.15 | |
| 02 41 19 13-0254 | EA | Drill 1-1/2" Diameter Core In >4" To 6" Asphalt | 58.26 | |
| 02 41 19 13-0255 | EA | Drill 2" Diameter Core In >4" To 6" Asphalt | 72.13 | |
| 02 41 19 13-0256 | EA | Drill 3" Diameter Core In >4" To 6" Asphalt | 91.59 | |
| 02 41 19 13-0257 | EA | Drill 4" Diameter Core In >4" To 6" Asphalt | 113.83 | |
| 02 41 19 13-0258 | EA | Drill 6" Diameter Core In >4" To 6" Asphalt | 141.60 | |
| 02 41 19 13-0259 | EA | Drill 8" Diameter Core In >4" To 6" Asphalt | 177.79 | |
| 02 41 19 13-0260 | EA | Drill 10" Diameter Core In >4" To 6" Asphalt | 222.13 | |
| 02 41 19 13-0261 | EA | Drill 12" Diameter Core In >4" To 6" Asphalt | 277.59 | |
| **02 41 19 13-0262** | | **Manhole Core Drilling** *(02 41 19 13-0082)* | | |
| 02 41 19 13-0263 | EA | Drill 4" Diameter Core In 6" Brick Manhole | 242.75 | |
| 02 41 19 13-0264 | EA | Drill 5" Diameter Core In 6" Brick Manhole | 277.43 | |
| 02 41 19 13-0265 | EA | Drill 6" Diameter Core In 6" Brick Manhole | 323.56 | |
| 02 41 19 13-0266 | EA | Drill 8" Diameter Core In 6" Brick Manhole | 485.22 | |
| 02 41 19 13-0267 | EA | Drill 2" Diameter Core In 8" Concrete Manhole | 325.26 | |
| 02 41 19 13-0268 | EA | Drill 3" Diameter Core In 8" Concrete Manhole | 346.35 | |
| 02 41 19 13-0269 | EA | Drill 4" Diameter Core In 8" Concrete Manhole | 381.30 | |
| 02 41 19 13-0270 | EA | Drill 5" Diameter Core In 8" Concrete Manhole | 409.12 | |
| 02 41 19 13-0271 | EA | Drill 6" Diameter Core In 8" Concrete Manhole | 485.21 | |
| 02 41 19 13-0272 | EA | Drill 8" Diameter Core In 8" Concrete Manhole | 693.02 | |
| 02 41 19 13-0273 | EA | Drill 2" Diameter Core In Fiberglass Manhole | 32.27 | |
| 02 41 19 13-0274 | EA | Drill 3" Diameter Core In Fiberglass Manhole | 37.24 | |
| 02 41 19 13-0275 | EA | Drill 4" Diameter Core In Fiberglass Manhole | 40.35 | |
| 02 41 19 13-0276 | EA | Drill 5" Diameter Core In Fiberglass Manhole | 44.03 | |
| 02 41 19 13-0277 | EA | Drill 6" Diameter Core In Fiberglass Manhole | 48.42 | |
| 02 41 19 13-0278 | EA | Drill 8" Diameter Core In Fiberglass Manhole | 53.82 | |
| **02 41 19 13-0279** | | **Drilling In Concrete Per Inch Of Depth** *(02 41 19 13-0082)*<br>Note: Includes layout. | | |
| 02 41 19 13-0280 | IN | 1/4" Diameter Drilling In Concrete Per Inch Of Depth | 2.40 | |
| 02 41 19 13-0281 | IN | 5/16" Diameter Drilling In Concrete Per Inch Of Depth | 2.54 | |
| 02 41 19 13-0282 | IN | 3/8" Diameter Drilling In Concrete Per Inch Of Depth | 2.68 | |
| 02 41 19 13-0283 | IN | 1/2" Diameter Drilling In Concrete Per Inch Of Depth | 2.88 | |
| 02 41 19 13-0284 | IN | 5/8" Diameter Drilling In Concrete Per Inch Of Depth | 3.06 | |
| 02 41 19 13-0285 | IN | 3/4" Diameter Drilling In Concrete Per Inch Of Depth | 3.37 | |
| 02 41 19 13-0286 | IN | 7/8" Diameter Drilling In Concrete Per Inch Of Depth | 3.64 | |
| 02 41 19 13-0287 | IN | 1" Diameter Drilling In Concrete Per Inch Of Depth | 3.82 | |
| 02 41 19 13-0288 | IN | 1-1/8" Diameter Drilling In Concrete Per Inch Of Depth | 4.51 | |
| 02 41 19 13-0289 | IN | 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth | 4.23 | |
| 02 41 19 13-0290 | IN | 1-3/8" Diameter Drilling In Concrete Per Inch Of Depth | 4.51 | |
| 02 41 19 13-0291 | IN | 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth | 4.79 | |
| 02 41 19 13-0292 | IN | 1-3/4" Diameter Drilling In Concrete Per Inch Of Depth | 5.31 | |
| 02 41 19 13-0293 | IN | 2" Diameter Drilling In Concrete Per Inch Of Depth | 6.19 | |
| **02 41 19 13-0294** | | **Drilling In Brick/Concrete Block Per Inch Of Depth** *(02 41 19 13-0082)*<br>Note: Includes layout. | | |
| 02 41 19 13-0295 | IN | 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 2.00 | |
| 02 41 19 13-0296 | IN | 5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 2.12 | |
| 02 41 19 13-0297 | IN | 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 2.24 | |
| 02 41 19 13-0298 | IN | 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 2.40 | |
| 02 41 19 13-0299 | IN | 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 2.55 | |
| 02 41 19 13-0300 | IN | 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 2.81 | |
| 02 41 19 13-0301 | IN | 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 3.03 | |
| 02 41 19 13-0302 | IN | 1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 3.19 | |
| 02 41 19 13-0303 | IN | 1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 3.36 | |
| 02 41 19 13-0304 | IN | 1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 3.52 | |
| 02 41 19 13-0305 | IN | 1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 3.76 | |
| 02 41 19 13-0306 | IN | 1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 4.00 | |
| 02 41 19 13-0307 | IN | 1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 4.46 | |
| 02 41 19 13-0308 | IN | 2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth | 5.15 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 19 13-0309 | | Drilling In Wood Or Plastic Per Inch Of Depth *(02 41 19 13-0082)* Note: Includes layout. | | |
| 02 41 19 13-0310 | IN | 1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 0.99 | |
| 02 41 19 13-0311 | IN | 5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 1.06 | |
| 02 41 19 13-0312 | IN | 3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 1.12 | |
| 02 41 19 13-0313 | IN | 1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 1.20 | |
| 02 41 19 13-0314 | IN | 5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 1.27 | |
| 02 41 19 13-0315 | IN | 3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 1.40 | |
| 02 41 19 13-0316 | IN | 7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 1.52 | |
| 02 41 19 13-0317 | IN | 1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 1.59 | |
| 02 41 19 13-0318 | IN | 1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 1.67 | |
| 02 41 19 13-0319 | IN | 1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 1.75 | |
| 02 41 19 13-0320 | IN | 1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 1.87 | |
| 02 41 19 13-0321 | IN | 1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 1.99 | |
| 02 41 19 13-0322 | IN | 1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 2.22 | |
| 02 41 19 13-0323 | IN | 2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth | 2.57 | |
| 02 41 19 13-0324 | | Limestone Core Drilling *(02 41 19 13-0082)* | | |
| 02 41 19 13-0325 | | 10" To 14" Thick Limestone Core Drilling *(02 41 19 13-0324)* | | |
| 02 41 19 13-0326 | EA | Drill 1" Diameter Core In 10" To 14" Limestone | 69.64 | |
| 02 41 19 13-0327 | EA | Drill 1-1/2" Diameter Core In 10" To 14" Limestone | 83.65 | |
| 02 41 19 13-0328 | EA | Drill 2" Diameter Core In 10" To 14" Limestone | 90.74 | |
| 02 41 19 13-0329 | EA | Drill 3" Diameter Core In 10" To 14" Limestone | 104.96 | |
| 02 41 19 13-0330 | EA | Drill 4" Diameter Core In 10" To 14" Limestone | 119.19 | |
| 02 41 19 13-0331 | EA | Drill 6" Diameter Core In 10" To 14" Limestone | 167.93 | |
| 02 41 19 13-0332 | EA | Drill 8" Diameter Core In 10" To 14" Limestone | 279.17 | |
| 02 41 19 13-0333 | | 15" To 18" Thick Limestone Core Drilling *(02 41 19 13-0324)* | | |
| 02 41 19 13-0334 | EA | Drill 1" Diameter Core In 15" To 18" Limestone | 76.69 | |
| 02 41 19 13-0335 | EA | Drill 1-1/2" Diameter Core In 15" To 18" Limestone | 90.72 | |
| 02 41 19 13-0336 | EA | Drill 2" Diameter Core In 15" To 18" Limestone | 97.86 | |
| 02 41 19 13-0337 | EA | Drill 3" Diameter Core In 15" To 18" Limestone | 105.27 | |
| 02 41 19 13-0338 | EA | Drill 4" Diameter Core In 15" To 18" Limestone | 140.29 | |
| 02 41 19 13-0339 | EA | Drill 6" Diameter Core In 15" To 18" Limestone | 182.19 | |
| 02 41 19 13-0340 | EA | Drill 8" Diameter Core In 15" To 18" Limestone | 293.74 | |
| 02 41 19 13-0341 | | 19" To 24" Thick Limestone Core Drilling *(02 41 19 13-0324)* | | |
| 02 41 19 13-0342 | EA | Drill 1" Diameter Core In 19" To 24" Limestone | 83.70 | |
| 02 41 19 13-0343 | EA | Drill 1-1/2" Diameter Core In 19" To 24" Limestone | 97.78 | |
| 02 41 19 13-0344 | EA | Drill 2" Diameter Core In 19" To 24" Limestone | 104.97 | |
| 02 41 19 13-0345 | EA | Drill 3" Diameter Core In 19" To 24" Limestone | 119.32 | |
| 02 41 19 13-0346 | EA | Drill 4" Diameter Core In 19" To 24" Limestone | 168.23 | |
| 02 41 19 13-0347 | EA | Drill 6" Diameter Core In 19" To 24" Limestone | 210.24 | |
| 02 41 19 13-0348 | EA | Drill 8" Diameter Core In 19" To 24" Limestone | 315.20 | |
| 02 41 19 13-0349 | | Minimum Charge For Core Drilling *(02 41 19 13-0082)* | | |
| 02 41 19 13-0350 | EA | Core Drill Minimum Charge Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth". | 940.90 | |
| 02 41 19 13-0351 | | Cutouts *(02 41 19 13)* Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF. | | |
| 02 41 19 13-0352 | | Reinforced Concrete Slab On Grade Cutouts *(02 41 19 13-0351)* | | |
| 02 41 19 13-0353 | SF | 4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF | 56.05 | |
| 02 41 19 13-0354 | SF | 6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF | 59.44 | |
| 02 41 19 13-0355 | SF | 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF | 62.84 | |
| 02 41 19 13-0356 | SF | 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF | 66.24 | |
| 02 41 19 13-0357 | SF | 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF | 67.94 | |
| 02 41 19 13-0358 | | Reinforced Concrete Elevated Slab Cutouts *(02 41 19 13-0351)* Note: Includes cutting and removing steel decking. | | |
| 02 41 19 13-0359 | SF | 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF | 68.30 | |
| 02 41 19 13-0360 | SF | 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF | 72.45 | |
| 02 41 19 13-0361 | SF | 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF | 76.59 | |
| 02 41 19 13-0362 | SF | 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF | 80.72 | |
| 02 41 19 13-0363 | SF | 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF | 82.80 | |
| 02 41 19 13-0364 | | Reinforced Concrete Wall Cutouts *(02 41 19 13-0351)* | | |
| 02 41 19 13-0365 | SF | 4" Thick Reinforced Concrete Wall Cutouts, <24 SF | 70.05 | |
| 02 41 19 13-0366 | SF | 6" Thick Reinforced Concrete Wall Cutouts, <24 SF | 74.30 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 41 19 13-0367 | SF | 8" Thick Reinforced Concrete Wall Cutouts, <24 SF | 78.55 | |
| 02 41 19 13-0368 | SF | 10" Thick Reinforced Concrete Wall Cutouts, <24 SF | 82.80 | |
| 02 41 19 13-0369 | SF | 12" Thick Reinforced Concrete Wall Cutouts, <24 SF | 84.91 | |
| 02 41 19 13-0370 | | Brick Wall Cutouts *(02 41 19 13-0351)* | | |
| | | Note: Excludes toothing. | | |
| 02 41 19 13-0371 | SF | 4" Thick Brick Wall Cutouts, <24 SF | 21.23 | |
| 02 41 19 13-0372 | SF | 6" Thick Brick Wall Cutouts, <24 SF | 35.03 | |
| 02 41 19 13-0373 | SF | 8" Thick Brick Wall Cutouts, <24 SF | 48.78 | |
| 02 41 19 13-0374 | SF | 10" Thick Brick Wall Cutouts, <24 SF | 59.44 | |
| 02 41 19 13-0375 | SF | 12" Thick Brick Wall Cutouts, <24 SF | 71.12 | |
| 02 41 19 13-0376 | SF | 16" Thick Brick Wall Cutouts, <24 SF | 83.86 | |
| 02 41 19 13-0377 | | Concrete Block Wall Cutouts *(02 41 19 13-0351)* | | |
| | | Note: Excludes toothing. | | |
| 02 41 19 13-0378 | SF | 4" Thick Concrete Block Wall Cutouts, <24 SF | 35.12 | |
| 02 41 19 13-0379 | SF | 6" Thick Concrete Block Wall Cutouts, <24 SF | 37.19 | |
| 02 41 19 13-0380 | SF | 8" Thick Concrete Block Wall Cutouts, <24 SF | 39.28 | |
| 02 41 19 13-0381 | SF | 10" Thick Concrete Block Wall Cutouts, <24 SF | 41.39 | |
| 02 41 19 13-0382 | SF | 12" Thick Concrete Block Wall Cutouts, <24 SF | 42.46 | |
| 02 41 19 13-0383 | SF | 16" Thick Concrete Block Wall Cutouts, <24 SF | 44.58 | |
| 02 41 19 13-0384 | | Limestone Cutouts *(02 41 19 13-0351)* | | |
| 02 41 19 13-0385 | SF | 2" Thick Limestone Cutouts, <24 SF | 59.44 | |
| 02 41 19 13-0386 | SF | 4" Thick Limestone Cutouts, <24 SF | 72.18 | |
| 02 41 19 13-0387 | SF | 6" Thick Limestone Cutouts, <24 SF | 76.43 | |
| 02 41 19 13-0388 | SF | 8" Thick Limestone Cutouts, <24 SF | 80.67 | |
| 02 41 19 13-0389 | SF | 10" Thick Limestone Cutouts, <24 SF | 84.91 | |
| 02 41 19 13-0390 | SF | 12" Thick Limestone Cutouts, <24 SF | 89.17 | |
| 02 41 19 13-0391 | | Toothing Masonry Cutouts *(02 41 19 13-0351)* | | |
| | | Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting. | | |
| 02 41 19 13-0392 | VLF | Brick, Soft Old Mortar, Toothing Masonry Cutouts | 21.23 | |
| 02 41 19 13-0393 | VLF | Brick, Hard Mortar, Toothing Masonry Cutouts | 28.66 | |
| 02 41 19 13-0394 | VLF | Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts | 12.74 | |
| 02 41 19 13-0395 | VLF | Concrete Block, Hard Mortar, Toothing Masonry Cutouts | 16.99 | |
| 02 41 19 13-0396 | | Minimum Charge For Cutouts *(02 41 19 13-0351)* | | |
| | | Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | | |
| 02 41 19 13-0397 | EA | Cutouts Minimum Charge | 424.59 | |
| **02 41 19 16** | | **Selective Interior Demolition** *(02 41 19)* | | |
| | | Note: Includes HEPA vacuum for dust control, break-up of material, loading into truck or dumpster and clean-up. Excludes temporary plastic barrier See CSI section 01 56 16 00-0000 for temporary dust barrier. | | |
| 02 41 19 16-0001 | | Floor Removal *(02 41 19 16)* | | |
| 02 41 19 16-0002 | | Scarify Concrete *(02 41 19 16-0001)* | | |
| | | Note: Up to 1/4" removal per pass. | | |
| 02 41 19 16-0003 | SF | Scarify Concrete Floor | 0.29 | |
| 02 41 19 16-0004 | SF | Scarify Concrete Tread And Riser | 2.47 | |
| 02 41 19 16-0005 | SF | Scarify Concrete Wall | 2.24 | |
| 02 41 19 16-0006 | | Fireproofing Removal *(02 41 19 16)* | | |
| 02 41 19 16-0007 | SF | Removal Of Fireproofing From Concrete Or Steel | 1.42 | |
| 02 41 19 16-0008 | | Demolish Ceiling *(02 41 19 16)* | | |
| 02 41 19 16-0009 | SF | Demolish Drywall Ceiling | 1.09 | |
| 02 41 19 16-0010 | SF | Demolish Furred Plastered Ceiling | 2.55 | |
| 02 41 19 16-0011 | SF | Demolish Suspended Plastered Ceiling And Suspension System | 1.95 | |
| 02 41 19 16-0012 | | Demolish Concrete Stair *(02 41 19 16)* | | |
| 02 41 19 16-0013 | CF | Demolish Interior Reinforced Concrete Stairs | 9.16 | |
| 02 41 19 16-0014 | CF | Demolish Exterior Reinforced Concrete Stairs | 7.63 | |
| 02 41 19 16-0015 | | Demolish Interior Partition/Wall *(02 41 19 16)* | | |
| | | Note: Price includes knock down, loading, clean-up. | | |
| 02 41 19 16-0016 | | Demolish Masonry And Concrete Interior Partition/Walls *(02 41 19 16-0015)* | | |
| | | Note: Includes saw cutting, knock down, loading and clean-up. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **02 41 19 16-0017** | | **Demolish Concrete Block Interior Partition/Walls** *(02 41 19 16-0016)* | | |
| 02 41 19 16-0018 | SF | Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall | | 5.93 |
| 02 41 19 16-0019 | SF | Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall | | 6.33 |
| 02 41 19 16-0020 | SF | Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall | | 7.14 |
| 02 41 19 16-0021 | SF | Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall | | 9.17 |
| 02 41 19 16-0022 | SF | Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall | | 11.45 |
| 02 41 19 16-0023 | SF | Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall | | 7.12 |
| 02 41 19 16-0024 | SF | Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall | | 7.60 |
| 02 41 19 16-0025 | SF | Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall | | 8.58 |
| 02 41 19 16-0026 | SF | Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall | | 11.00 |
| 02 41 19 16-0027 | SF | Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall | | 13.75 |
| **02 41 19 16-0028** | | **Demolish Brick Interior Partition/Walls** *(02 41 19 16-0016)* | | |
| 02 41 19 16-0029 | SF | Demolish 4" Thick Brick Interior Partition/Wall | | 5.93 |
| 02 41 19 16-0030 | SF | Demolish 8" Thick Brick Interior Partition/Wall | | 7.14 |
| 02 41 19 16-0031 | SF | Demolish 12" Thick Brick Interior Partition/Wall | | 9.16 |
| 02 41 19 16-0032 | SF | Demolish 16" Thick Brick Interior Partition/Wall | | 11.45 |
| **02 41 19 16-0033** | | **Demolish Glass Block Interior Partition/Walls** *(02 41 19 16-0016)* | | |
| 02 41 19 16-0034 | SF | Demolish Glass Block Interior Partition/Walls | | 5.08 |
| **02 41 19 16-0035** | | **Demolish Concrete Interior Partition/Walls** *(02 41 19 16-0016)* | | |
| | | See CSI section 02 41 16 13-0024 for concrete foundation demolition. | | |
| 02 41 19 16-0036 | SF | Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall | | 10.78 |
| 02 41 19 16-0037 | SF | Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall | | 13.48 |
| 02 41 19 16-0038 | SF | Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall | | 18.87 |
| 02 41 19 16-0039 | SF | Demolish 6" Thick Reinforced Concrete Interior Partition/Wall | | 12.94 |
| 02 41 19 16-0040 | SF | Demolish 8" Thick Reinforced Concrete Interior Partition/Wall | | 16.28 |
| 02 41 19 16-0041 | SF | Demolish 12" Thick Reinforced Concrete Interior Partition/Wall | | 22.64 |
| **02 41 19 16-0042** | | **Demolish Terra-Cotta Block Interior Partition/Walls** *(02 41 19 16-0016)* | | |
| 02 41 19 16-0043 | SF | Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster | | 2.04 |
| **02 41 19 16-0044** | | **Demolish Stud Framed Interior Partition/Walls** *(02 41 19 16-0015)* | | |
| | | Note: Includes knock down, loading and clean-up. Includes demo of insulation if required. | | |
| 02 41 19 16-0045 | SF | Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side | | 3.60 |
| | | *For Heights >14' To 20', Add* | *0.54* | |
| | | *For Heights >20', Add* | *0.72* | |
| 02 41 19 16-0046 | SF | Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides | | 4.20 |
| | | *For Heights >14' To 20', Add* | *0.63* | |
| | | *For Heights >20', Add* | *0.84* | |
| 02 41 19 16-0047 | SF | Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side | | 4.60 |
| | | *For Heights >14' To 20', Add* | *0.69* | |
| | | *For Heights >20', Add* | *0.92* | |
| 02 41 19 16-0048 | SF | Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides | | 6.40 |
| | | *For Heights >14' To 20', Add* | *0.96* | |
| | | *For Heights >20', Add* | *1.28* | |
| 02 41 19 16-0049 | SF | Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall | | 1.90 |
| | | *For Heights >14' To 20', Add* | *0.29* | |
| | | *For Heights >20', Add* | *0.38* | |
| 02 41 19 16-0050 | SF | Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall | | 2.26 |
| | | *For Heights >14' To 20', Add* | *0.34* | |
| | | *For Heights >20', Add* | *0.45* | |

# 02 42 Removal and Salvage of Construction Materials *(02 40)*

## 02 42 21 Salvage of Construction Materials *(02 42)*

Note: Includes placement on pallets and storage on site.

### 02 42 21 35 Roofing Salvage *(02 42 21)*

| | | | | |
|---|---|---|---|---|
| **02 42 21 35-0001** | | **Clay Tile Roofing Remove And Salvage For Re-use** *(02 42 21 35)* | | |
| | | Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site. | | |
| 02 42 21 35-0002 | SQ | Removal Of Clay Roof Tile, Salvage For Re-use | | 331.69 |

### 02 42 21 47 Flooring Salvage *(02 42 21)*

| | | | | |
|---|---|---|---|---|
| **02 42 21 47-0001** | | **Flooring Remove And Salvage For Re-Use** *(02 42 21 47)* | | |
| | | Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site. | | |
| 02 42 21 47-0002 | SF | Removal Of Brick Flooring And Salvage | | 3.02 |
| 02 42 21 47-0003 | SF | Removal Of Ceramic/Quarry Tile Floor And Salvage | | 3.02 |
| 02 42 21 47-0004 | SF | Removal Of Terrazzo Flooring And Salvage | | 4.17 |
| 02 42 21 47-0005 | SF | Removal Of Wood Strip Flooring And Salvage | | 2.44 |
| 02 42 21 47-0006 | SF | Removal Of Wood Parquet Flooring And Salvage | | 1.29 |
| 02 42 21 47-0007 | SF | Removal Of Resilient/Linoleum Flooring And Salvage | | 0.93 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 02 43 Structure Moving *(02 40)*

### 02 43 13 Structure Relocation *(02 43)*

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

#### 02 43 13 13 Building Relocation *(02 43 13)*

02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete *(02 43 13 13)*

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

| | | | | |
|---|---|---|---|---|
| 02 43 13 13-0002 | SF | Up To 800 SF, Move Relocatable Metal Frame Building | 39.50 | |
| 02 43 13 13-0003 | SF | >800 To 920 SF, Move Relocatable Metal Frame Building | 37.34 | |
| 02 43 13 13-0004 | SF | >920 SF, Move Relocatable Metal Frame Building | 34.94 | |
| 02 43 13 13-0005 | SF | Up To 800 SF, Move Relocatable Wood Frame Building | 31.69 | |
| 02 43 13 13-0006 | SF | >800 To 920 SF, Move Relocatable Wood Frame Building | 29.62 | |
| 02 43 13 13-0007 | SF | >920 SF, Move Relocatable Wood Frame Building | 26.20 | |
| 02 43 13 13-0008 | SF | Up To 800 SF, Move Relocatable Wood/Metal Frame Building | 38.38 | |
| 02 43 13 13-0009 | SF | >800 To 920 SF, Move Relocatable Wood/Metal Frame Building | 34.94 | |
| 02 43 13 13-0010 | SF | >920 SF, Move Relocatable Wood/Metal Frame Building | 29.62 | |

## 02 50 Site Remediation *(02)*

### 02 58 Snow Control *(02 50)*

#### 02 58 13 Snow Fencing *(02 58)*

02 58 13 00-0001 Snow/Sand Fence On Steel Posts *(02 58 13)*

| | | | | |
|---|---|---|---|---|
| 02 58 13 00-0002 | LF | Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence | 8.45 | 2.40 |

## 02 60 Contaminated Site Material Removal *(02)*

### 02 61 Removal and Disposal of Contaminated Soils *(02 60)*

#### 02 61 13 Excavation and Handling of Contaminated Material *(02 61)*

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Excavate Petroleum Contaminated Soil *(02 61 13)*

| | | | |
|---|---|---|---|
| 02 61 13 00-0002 | CY | Excavate Petroleum Contaminated Soil<br>Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination. | 14.55 |
| 02 61 13 00-0003 | CY | Load Excavated Petroleum Contaminated Soil | 8.29 |
| 02 61 13 00-0004 | CY | Disposal Fees Of Petroleum Contaminated Soil | 92.41 |

02 61 13 00-0005 Accessories For Contaminated Soil Stockpile *(02 61 13)*

See CSI section 31 25 14 23-0001 for sand bags.

| | | | |
|---|---|---|---|
| 02 61 13 00-0006 | SF | 30 Mil Liner For Contaminated Soil Storage<br>Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil. | 1.63 |
| 02 61 13 00-0007 | SF | 10 Mil Liner For Contaminated Soil Storage<br>Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil. | 0.97 |

#### 02 61 26 Removal and Disposal of Asbestos Contaminated Soils *(02 61)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0001 Removal and Disposal of Asbestos Contaminated Soils *(02 61 26)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

| | | | |
|---|---|---|---|
| 02 61 26 00-0002 | EA | Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal | 1,328.87 |
| | | *For Work In Restricted Working Space, Add* | *398.66* |
| 02 61 26 00-0003 | CF | >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal | 88.09 |
| | | *For Work In Restricted Working Space, Add* | *26.43* |
| 02 61 26 00-0004 | CF | >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal | 58.72 |
| | | *For Work In Restricted Working Space, Add* | *17.62* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 61 26 00-0005 | CF | >250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal | 44.11 | |
| | | *For Work In Restricted Working Space, Add* | *13.23* | |
| 02 61 26 00-0006 | CF | >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal | 35.24 | |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| 02 61 26 00-0007 | CF | >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal | 29.95 | |
| | | *For Work In Restricted Working Space, Add* | *8.99* | |
| 02 61 26 00-0008 | CF | >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal | 26.95 | |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |

## 02 65 Underground Storage Tank Removal *(02 60)*

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0041 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

### 02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis *(02 65)*

### 02 65 00 00-0002 Field Samples For Testing Underground Storage Tank *(02 65 00 00-0001)*

| | | | |
|---|---|---|---|
| 02 65 00 00-0003 | EA | Collection Of Sludge Sample For Underground Storage Tank | 26.15 |
| 02 65 00 00-0004 | EA | Collection Of Pumpable Liquids Sample For Underground Storage Tank | 26.15 |
| 02 65 00 00-0005 | EA | Collection Of Contaminated Soil Sample | 26.15 |

### 02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal *(02 65 00 00-0001)*

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

| | | | |
|---|---|---|---|
| 02 65 00 00-0007 | EA | Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test<br>Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846. | 208.77 |
| 02 65 00 00-0008 | EA | Flashpoint, Lab Test<br>Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846. | 81.19 |
| 02 65 00 00-0009 | EA | TOX 9020, Lab Test<br>Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846. | 195.30 |
| 02 65 00 00-0010 | EA | TPH 8015 Modified, Lab Test<br>Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846. | 208.77 |
| 02 65 00 00-0011 | EA | TRPH 418.1, Lab Test<br>Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846. | 162.38 |
| 02 65 00 00-0012 | EA | VOC, Lab Test<br>Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846. | 440.74 |
| 02 65 00 00-0013 | EA | Semi-Volatile Organic, Lab Test<br>Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846. | 811.90 |
| 02 65 00 00-0014 | EA | Oil And Grease 413.1, Lab Test<br>Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846. | 97.65 |
| 02 65 00 00-0015 | EA | TCLP (Extraction) - Metals, Lab Test<br>Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846. | 173.98 |
| 02 65 00 00-0016 | EA | TCLP (Extraction) - Semi-Volatile Organic, Lab Test<br>Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846. | 231.97 |
| 02 65 00 00-0017 | EA | Metals 6010 RCRA, Lab Test<br>Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846. | 259.81 |
| 02 65 00 00-0018 | EA | Metals (Arsenic) 7060, Lab Test<br>Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846. | 34.80 |
| 02 65 00 00-0019 | EA | Metals (Selenium) 7740, Lab Test<br>Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846. | 34.80 |
| 02 65 00 00-0020 | EA | Metals (Lead) 7421, Lab Test<br>Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846. | 34.80 |
| 02 65 00 00-0021 | EA | Metals (Mercury) 7470, Lab Test<br>Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846. | 64.95 |
| 02 65 00 00-0022 | EA | PNA/PAH 8100, Lab Test<br>Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846. | 371.15 |
| 02 65 00 00-0023 | EA | Fuel Id ASTM D3328-78, Lab Test<br>Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78. | 134.27 |
| 02 65 00 00-0024 | EA | pH, Lab Test | 27.84 |
| 02 65 00 00-0025 | EA | Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater | 347.96 |
| 02 65 00 00-0026 | EA | Methyl Tertiary Butyl Ether (MTBE), Lab Test | 208.77 |

### 02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank *(02 65 00 00-0001)*

| | | | |
|---|---|---|---|
| 02 65 00 00-0028 | EA | Site Survey For AST/UST Location By Certified Tank Installer<br>Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found. | 1,195.58 |
| 02 65 00 00-0029 | EA | Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems<br>Note: By Certified Technician. Write report of findings for action if needed | 207.57 |
| 02 65 00 00-0030 | EA | Check And Report On Monitor Probes<br>Note: By Certified Technician | 48.02 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 65 00 00-0031 | EA | Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report<br>Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc. | 337.54 | |
| 02 65 00 00-0032 | EA | Removal And Replacement Of Anode On Impressed System | 175.29 | |
| 02 65 00 00-0033 | EA | Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank | 251.73 | |
| 02 65 00 00-0034 | EA | Removal And Replacement Of Monitor Probes On Underground Storage Tank | 348.27 | |
| 02 65 00 00-0035 | EA | Ultrasonic Test On Underground Storage Tank | 214.34 | |
| 02 65 00 00-0036 | | **Tests And Sampling Labor Hours** *(02 65 00 00-0001)* | | |
| 02 65 00 00-0037 | HR | Certified Tank Installer For Underground Storage Tank | 115.28 | |
| 02 65 00 00-0038 | HR | Certified Geologist/Environmentalist | 130.08 | |
| 02 65 00 00-0039 | HR | Hourly Office Work For Reports Required For EPA On Underground Storage Tank<br>Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed. | 139.38 | |
| 02 65 00 00-0040 | | **Remove Tank Contents** *(02 65)* | | |
| 02 65 00 00-0041 | | **Transfer Liquid** *(02 65 00 00-0040)*<br>Note: For use to transfer liquids from one tank to another. | | |
| 02 65 00 00-0042 | GAL | Transfer Reusable Liquid To Different Tank<br>Note: Per gallon of material transferred. | 0.62 | |
| 02 65 00 00-0043 | | **Remove And Dispose Of Liquid From Tank** *(02 65 00 00-0040)* | | |
| 02 65 00 00-0044 | GAL | Removal and Disposal Of Hazardous Liquids From Tank | 2.05 | |
| 02 65 00 00-0045 | GAL | Removal and Disposal Of Non-Hazardous Liquid From Tank | 0.92 | |
| 02 65 00 00-0046 | | **Remove And Dispose Of Solids Or Sludge** *(02 65 00 00-0040)*<br>Note: Includes scraping and solidifying agent. | | |
| 02 65 00 00-0047 | GAL | Removal and Disposal Of Hazardous Solids Or Sludge From Tank | 7.31 | |
| 02 65 00 00-0048 | GAL | Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank | 1.69 | |
| 02 65 00 00-0049 | | **Purge Vapors, Open And Clean Tank** *(02 65)* | | |
| 02 65 00 00-0050 | | **Purge Vapors** *(02 65 00 00-0049)* | | |
| 02 65 00 00-0051 | LB | Purge Tank Using Dry Ice<br>Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume. | 5.08 | |
| 02 65 00 00-0052 | | **High Pressure Water Wash And Rinse Of Tank Interior** *(02 65 00 00-0049)*<br>Note: Includes removal and disposal of rinse water. | | |
| 02 65 00 00-0053 | EA | Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 351.64 | |
| 02 65 00 00-0054 | EA | >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 463.30 | |
| 02 65 00 00-0055 | EA | >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 604.17 | |
| 02 65 00 00-0056 | EA | >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 824.39 | |
| 02 65 00 00-0057 | EA | >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 1,609.85 | |
| 02 65 00 00-0058 | EA | >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 1,935.66 | |
| 02 65 00 00-0059 | EA | >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 2,232.15 | |
| 02 65 00 00-0060 | EA | >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 2,701.40 | |
| 02 65 00 00-0061 | EA | >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 3,504.99 | |
| 02 65 00 00-0062 | EA | >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 4,213.66 | |
| 02 65 00 00-0063 | EA | >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 5,352.66 | |
| 02 65 00 00-0064 | EA | >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 6,577.20 | |
| 02 65 00 00-0065 | EA | >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior | 8,020.83 | |
| 02 65 00 00-0066 | | **Scrape Clean Tank Exterior** *(02 65 00 00-0049)* | | |
| 02 65 00 00-0067 | EA | Up To 275 Gallon Tank, Scrape Clean Tank Exterior | 261.22 | |
| 02 65 00 00-0068 | EA | >275 To 550 Gallon Tank, Scrape Clean Tank Exterior | 347.85 | |
| 02 65 00 00-0069 | EA | >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior | 455.80 | |
| 02 65 00 00-0070 | EA | >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior | 631.20 | |
| 02 65 00 00-0071 | EA | >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior | 1,397.81 | |
| 02 65 00 00-0072 | EA | >5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior | 1,769.91 | |
| 02 65 00 00-0073 | EA | >6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior | 2,071.12 | |
| 02 65 00 00-0074 | EA | >8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior | 2,603.69 | |
| 02 65 00 00-0075 | EA | >10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior | 3,384.16 | |
| 02 65 00 00-0076 | EA | >15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior | 4,247.80 | |
| 02 65 00 00-0077 | EA | >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior | 5,530.99 | |
| 02 65 00 00-0078 | EA | >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior | 6,637.19 | |
| 02 65 00 00-0079 | EA | >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior | 8,296.48 | |
| 02 65 00 00-0080 | | **Tank And Piping Removal** *(02 65)*<br>Note: Excludes excavation. | | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **02 65 00 00-0081** | | **Removal And Disposal Of Piping** *(02 65 00 00-0080)*<br>Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees. | | |
| 02 65 00 00-0082 | LF | Up To 4", Removal And Disposal Of Piping | 20.61 | |
| 02 65 00 00-0083 | LF | >4" To 8", Removal And Disposal Of Piping | 27.48 | |
| **02 65 00 00-0084** | | **Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement** *(02 65 00 00-0080)*<br>Note: Excludes excavation or backfill. | | |
| 02 65 00 00-0085 | EA | Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 747.99 | |
| 02 65 00 00-0086 | EA | >275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 908.27 | |
| 02 65 00 00-0087 | EA | >550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 1,068.56 | |
| 02 65 00 00-0088 | EA | >1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 1,335.70 | |
| 02 65 00 00-0089 | EA | >2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 1,869.97 | |
| 02 65 00 00-0090 | EA | >5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 2,350.83 | |
| 02 65 00 00-0091 | EA | >6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 2,671.39 | |
| 02 65 00 00-0092 | EA | >8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 3,205.68 | |
| 02 65 00 00-0093 | EA | >10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 4,274.23 | |
| 02 65 00 00-0094 | EA | >15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 5,123.85 | |
| 02 65 00 00-0095 | EA | >20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 6,004.10 | |
| 02 65 00 00-0096 | EA | >30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 7,024.29 | |
| 02 65 00 00-0097 | EA | >40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement | 8,780.35 | |
| **02 65 00 00-0098** | | **Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary** *(02 65 00 00-0080)*<br>Note: Includes 1 lengthwise at every 4' on-center height wise. | | |
| 02 65 00 00-0099 | EA | >1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of | 873.66 | |
| 02 65 00 00-0100 | EA | >2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of | 1,629.25 | |
| 02 65 00 00-0101 | EA | >5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of | 1,959.82 | |
| 02 65 00 00-0102 | EA | >6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of | 2,184.14 | |
| 02 65 00 00-0103 | EA | >8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of | 2,620.96 | |
| 02 65 00 00-0104 | EA | >10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of | 3,258.49 | |
| 02 65 00 00-0105 | EA | >15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of | 3,919.64 | |
| 02 65 00 00-0106 | EA | >20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of | 4,899.54 | |
| 02 65 00 00-0107 | EA | >30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of | 6,124.43 | |
| 02 65 00 00-0108 | EA | >40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of | 7,655.54 | |
| **02 65 00 00-0109** | | **Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station** *(02 65 00 00-0080)*<br>Note: Includes disposal fee. | | |
| 02 65 00 00-0110 | EA | Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 347.45 | |
| | | *For Each Additional Mile >15 Miles, Add* | *4.97* | |
| 02 65 00 00-0111 | EA | >275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 474.12 | |
| | | *For Each Additional Mile >15 Miles, Add* | *6.27* | |
| 02 65 00 00-0112 | EA | >550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 748.40 | |
| | | *For Each Additional Mile >15 Miles, Add* | *9.41* | |
| 02 65 00 00-0113 | EA | >1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 1,183.23 | |
| | | *For Each Additional Mile >15 Miles, Add* | *10.98* | |
| 02 65 00 00-0114 | EA | >2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 2,088.29 | |
| | | *For Each Additional Mile >15 Miles, Add* | *19.34* | |
| 02 65 00 00-0115 | EA | >5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 2,151.00 | |
| | | *For Each Additional Mile >15 Miles, Add* | *20.91* | |
| 02 65 00 00-0116 | EA | >6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 2,255.53 | |
| | | *For Each Additional Mile >15 Miles, Add* | *23.52* | |
| 02 65 00 00-0117 | EA | >8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 3,288.52 | |
| | | *For Each Additional Mile >15 Miles, Add* | *31.36* | |
| 02 65 00 00-0118 | EA | >10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 4,486.27 | |
| | | *For Each Additional Mile >15 Miles, Add* | *47.04* | |
| 02 65 00 00-0119 | EA | >15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 5,265.88 | |
| | | *For Each Additional Mile >15 Miles, Add* | *52.26* | |
| 02 65 00 00-0120 | EA | >20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 6,527.43 | |
| | | *For Each Additional Mile >15 Miles, Add* | *62.72* | |
| 02 65 00 00-0121 | EA | >30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 9,212.20 | |
| | | *For Each Additional Mile >15 Miles, Add* | *75.26* | |
| 02 65 00 00-0122 | EA | >40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station | 11,152.18 | |
| | | *For Each Additional Mile >15 Miles, Add* | *86.55* | |
| **02 65 00 00-0123** | | **Other Storage Tank Removals** *(02 65 00 00-0080)*<br>Note: Based on tank gallon size | | |
| 02 65 00 00-0124 | GAL | Removal Of Cement Lining | 0.66 | |
| 02 65 00 00-0125 | GAL | Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams | 0.24 | |
| 02 65 00 00-0126 | GAL | Install Epoxy For Interior Corrosion Protection | 1.21 | |
| **02 65 00 00-0127** | | **Tank Closure Report** *(02 65 00 00-0080)*<br>Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests. | | |
| 02 65 00 00-0128 | EA | Prepare Tank Closure Report | 3,496.58 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

02 65 00 00-0129 Temporary Tanks *(02 65)*

02 65 00 00-0130 Temporary Holding Tanks *(02 65 00 00-0129)*

02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental *(02 65 00 00-0130)*

| | | | | |
|---|---|---|---|---|
| 02 65 00 00-0132 | MO | 550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental | 965.25 | |
| 02 65 00 00-0133 | MO | 630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental | 965.25 | |
| 02 65 00 00-0134 | MO | 630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental | 1,930.49 | |
| 02 65 00 00-0135 | MO | 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental | 1,447.87 | |
| 02 65 00 00-0136 | MO | 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental | 3,378.36 | |
| 02 65 00 00-0137 | MO | 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental | 2,413.12 | |
| 02 65 00 00-0138 | MO | 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental | 5,869.37 | |
| 02 65 00 00-0139 | MO | 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental | 7,033.93 | |
| 02 65 00 00-0140 | MO | 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental | 11,878.49 | |

02 65 00 00-0141 Secondary Containment Berm *(02 65 00 00-0129)*

| | | | | |
|---|---|---|---|---|
| 02 65 00 00-0142 | MO | Secondary Containment Berm Monthly Rental | 2,091.37 | |

# 02 80 Facility Remediation *(02)*

## 02 81 Transportation and Disposal of Hazardous Materials *(02 80)*

02 81 00 00-0001 Equipment Oil Drain And Disposal *(02 81)*

| | | | | |
|---|---|---|---|---|
| 02 81 00 00-0002 | TRIP | Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site<br>Note: Excludes Disposal Cost. | 677.78 | |
| 02 81 00 00-0003 | DRM | Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum<br>Note: Excludes draining, placing in approved container, and transporting to disposal site. | 106.51 | |
| 02 81 00 00-0004 | DRM | Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum<br>Note: Excludes draining, placing in approved container, and transporting to disposal site. | 484.12 | |
| 02 81 00 00-0005 | DRM | Disposal of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum<br>Note: Excludes draining, placing in approved container, and transporting to disposal site. | 871.42 | |
| 02 81 00 00-0006 | CF | Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site<br>Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal. | 116.24 | |

## 02 82 Asbestos Remediation *(02 80)*

See CSI section 01 56 16 00-0042 for temporary stud walls, 01 74 19 00-0041 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

### 02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)*

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

| | | | | |
|---|---|---|---|---|
| 02 82 13 00-0002 | HR | Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring | 107.40 | |
| 02 82 13 00-0003 | EA | 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing | 63.06 | |
| 02 82 13 00-0004 | EA | Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing | 73.93 | |
| 02 82 13 00-0005 | EA | Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing | 117.42 | |
| 02 82 13 00-0006 | EA | 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing | 202.22 | |
| 02 82 13 00-0007 | EA | Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing | 245.71 | |
| 02 82 13 00-0008 | EA | 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing | 50.01 | |
| 02 82 13 00-0009 | EA | Next Day Turnaround, (Air) PCM Test, Asbestos Testing | 60.88 | |
| 02 82 13 00-0010 | EA | Same Day Turnaround, (Air) PCM Test, Asbestos Testing | 82.63 | |
| 02 82 13 00-0011 | EA | 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test | 63.06 | |
| 02 82 13 00-0012 | EA | Next Day Turnaround, (Air Point Counting) PLM Test | 73.93 | |
| 02 82 13 00-0013 | EA | Same Day Turnaround, (Air Point Counting) PLM Test | 117.42 | |
| 02 82 13 00-0014 | EA | 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing | 202.22 | |
| 02 82 13 00-0015 | EA | Next Day Turnaround, (Air) TEM Test, Asbestos Testing | 232.66 | |
| 02 82 13 00-0016 | EA | Same Day Turnaround, (Air) TEM Test, Asbestos Testing | 323.99 | |

### 02 82 16 Engineering Control of Asbestos Containing Materials *(02 82)*

02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) *(02 82 16)*

| | | | | |
|---|---|---|---|---|
| 02 82 16 00-0002 | SF | Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat | 1.78 | |
| 02 82 16 00-0003 | SF | Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound) | 2.43 | |
| 02 82 16 00-0004 | SF | Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®) | 2.61 | |
| 02 82 16 00-0005 | SF | Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®) | 2.86 | |
| 02 82 16 00-0006 | SF | Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®) | 8.74 | |
| 02 82 16 00-0007 | SF | Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®) | 9.88 | |

### 02 82 33 Removal and Disposal of Asbestos Containing Materials *(02 82)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.),


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. The SET task includes portion for set-up and mobilization. For those tasks the contractor will be paid the first task of SET with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

### 02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal *(02 82 33)*

### 02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0001)*

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

### 02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0004 | SET | Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 1,350.23 | |
| | | *For Work In Restricted Working Space, Add* | *398.66* | |
| 02 82 33 00-0005 | LF | >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 46.37 | |
| | | *For Work In Restricted Working Space, Add* | *13.59* | |
| 02 82 33 00-0006 | LF | >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 35.04 | |
| | | *For Work In Restricted Working Space, Add* | *10.19* | |
| 02 82 33 00-0007 | LF | >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 26.55 | |
| | | *For Work In Restricted Working Space, Add* | *7.64* | |
| 02 82 33 00-0008 | LF | >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 20.18 | |
| | | *For Work In Restricted Working Space, Add* | *5.73* | |
| 02 82 33 00-0009 | LF | >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 17.69 | |
| | | *For Work In Restricted Working Space, Add* | *4.99* | |

### 02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0011 | SET | Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 1,371.59 | |
| | | *For Work In Restricted Working Space, Add* | *398.66* | |
| 02 82 33 00-0012 | LF | >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 54.24 | |
| | | *For Work In Restricted Working Space, Add* | *15.63* | |
| 02 82 33 00-0013 | LF | >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 41.21 | |
| | | *For Work In Restricted Working Space, Add* | *11.72* | |
| 02 82 33 00-0014 | LF | >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 31.44 | |
| | | *For Work In Restricted Working Space, Add* | *8.79* | |
| 02 82 33 00-0015 | LF | >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 24.11 | |
| | | *For Work In Restricted Working Space, Add* | *6.59* | |
| 02 82 33 00-0016 | LF | >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 21.25 | |
| | | *For Work In Restricted Working Space, Add* | *5.73* | |

### 02 82 33 00-0017 >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0018 | SET | Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 1,392.95 | |
| | | *For Work In Restricted Working Space, Add* | *398.66* | |
| 02 82 33 00-0019 | LF | >20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 72.32 | |
| | | *For Work In Restricted Working Space, Add* | *20.84* | |
| 02 82 33 00-0020 | LF | >250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 54.94 | |
| | | *For Work In Restricted Working Space, Add* | *15.63* | |
| 02 82 33 00-0021 | LF | >500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 41.92 | |
| | | *For Work In Restricted Working Space, Add* | *11.72* | |
| 02 82 33 00-0022 | LF | >2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 32.14 | |
| | | *For Work In Restricted Working Space, Add* | *8.79* | |
| 02 82 33 00-0023 | LF | >10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 28.33 | |
| | | *For Work In Restricted Working Space, Add* | *7.64* | |

### 02 82 33 00-0024 >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0025 | SET | Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 1,414.32 | |
| | | *For Work In Restricted Working Space, Add* | *398.66* | |
| 02 82 33 00-0026 | LF | >20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 99.44 | |
| | | *For Work In Restricted Working Space, Add* | *28.66* | |
| 02 82 33 00-0027 | LF | >250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 75.55 | |
| | | *For Work In Restricted Working Space, Add* | *21.49* | |
| 02 82 33 00-0028 | LF | >500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 57.64 | |
| | | *For Work In Restricted Working Space, Add* | *16.12* | |
| 02 82 33 00-0029 | LF | >2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 44.19 | |
| | | *For Work In Restricted Working Space, Add* | *12.08* | |
| 02 82 33 00-0030 | LF | >10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal | 38.96 | |
| | | *For Work In Restricted Working Space, Add* | *10.51* | |

### 02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 82 33 00-0032 | SET | Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal | 865.69 | |
| | | *For Work In Restricted Working Space, Add* | *257.78* | |
| 02 82 33 00-0033 | LF | >3 To 20 LF Additional Glove Bag Work for Pipe Insulation | 145.35 | |
| | | *For Work In Restricted Working Space, Add* | *42.96* | |
| 02 82 33 00-0034 | LF | >20 To 250 LF Additional Glove Bag Work for Pipe Insulation | 57.74 | |
| | | *For Work In Restricted Working Space, Add* | *16.68* | |
| 02 82 33 00-0035 | LF | >250 To 500 LF Additional Glove Bag Work for Pipe Insulation | 43.82 | |
| | | *For Work In Restricted Working Space, Add* | *12.50* | |
| 02 82 33 00-0036 | LF | >500 LF Additional Glove Bag Work for Pipe Insulation | 33.40 | |
| | | *For Work In Restricted Working Space, Add* | *9.38* | |

## 02 82 33 00-0037 Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*

## 02 82 33 00-0038 Calcium Block Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0039 | SET | Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal | 1,339.55 | |
| 02 82 33 00-0040 | SF | >10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal | 55.22 | |
| 02 82 33 00-0041 | SF | >500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal | 45.60 | |
| 02 82 33 00-0042 | SF | >2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal | 36.66 | |
| 02 82 33 00-0043 | SF | >10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal | 29.97 | |

## 02 82 33 00-0044 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0045 | SET | Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal | 1,334.21 | |
| 02 82 33 00-0046 | SF | >10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal | 48.49 | |
| 02 82 33 00-0047 | SF | >500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal | 38.87 | |
| 02 82 33 00-0048 | SF | >2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal | 29.94 | |
| 02 82 33 00-0049 | SF | >10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal | 23.25 | |

## 02 82 33 00-0050 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0051 | SET | Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal | 1,332.43 | |
| 02 82 33 00-0052 | SF | >10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal | 43.00 | |
| 02 82 33 00-0053 | SF | >500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal | 33.39 | |
| 02 82 33 00-0054 | SF | >2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal | 24.45 | |
| 02 82 33 00-0055 | SF | >10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal | 17.76 | |

## 02 82 33 00-0056 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

Note: e.g., duct, boiler, tank, etc.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0057 | SET | Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal | 1,342.22 | |
| 02 82 33 00-0058 | SF | >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal | 45.83 | |
| 02 82 33 00-0059 | SF | >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal | 36.21 | |
| 02 82 33 00-0060 | SF | >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal | 27.29 | |
| 02 82 33 00-0061 | SF | >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal | 20.60 | |

## 02 82 33 00-0062 Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*

## 02 82 33 00-0063 Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: Exposed surface area, includes associated overspray. See CSI section 02 82 33 00-0102 for asbestos abatement for up to 1 sf sections to expose area for attachments.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0064 | SET | Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal | 1,342.22 | |
| 02 82 33 00-0065 | SF | >25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal | 54.88 | |
| 02 82 33 00-0066 | SF | >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal | 41.28 | |
| 02 82 33 00-0067 | SF | >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal | 31.10 | |
| 02 82 33 00-0068 | SF | >10,000 SF, Fireproofing, Asbestos Abatement And Disposal | 23.45 | |

## 02 82 33 00-0069 Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0070 | SET | Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal | 1,337.77 | |
| 02 82 33 00-0071 | SF | >25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal | 23.07 | |
| 02 82 33 00-0072 | SF | >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal | 17.52 | |
| 02 82 33 00-0073 | SF | >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal | 13.10 | |
| 02 82 33 00-0074 | SF | >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal | 9.78 | |

## 02 82 33 00-0075 Gypsum Wall Board, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0076 | SET | Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal | 1,346.67 | |
| | | *For Additional Layer, Add* | *365.44* | |
| 02 82 33 00-0077 | SF | >50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal | 17.80 | |
| | | *For Additional Layer, Add* | *4.80* | |
| 02 82 33 00-0078 | SF | >500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal | 13.10 | |
| | | *For Additional Layer, Add* | *3.50* | |
| 02 82 33 00-0079 | SF | >2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal | 10.33 | |
| | | *For Additional Layer, Add* | *2.74* | |
| 02 82 33 00-0080 | SF | >10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal | 8.12 | |
| | | *For Additional Layer, Add* | *2.13* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 82 33 00-0081 | SF | >50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal | 6.45 | |
| | | *For Additional Layer, Add* | *1.67* | |
| 02 82 33 00-0082 | SF | >100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal | 5.23 | |
| | | *For Additional Layer, Add* | *1.34* | |

## 02 82 33 00-0083 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0084 | SET | Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal | 1,337.77 | |
| 02 82 33 00-0085 | SF | >25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal | 33.47 | |
| 02 82 33 00-0086 | SF | >500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal | 24.61 | |
| 02 82 33 00-0087 | SF | >2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal | 19.30 | |
| 02 82 33 00-0088 | SF | >10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal | 15.09 | |
| 02 82 33 00-0089 | SF | >50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal | 10.88 | |

## 02 82 33 00-0090 Stucco, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0091 | SET | Up To 50 SF, Stucco, Asbestos Abatement And Disposal | 1,346.67 | |
| 02 82 33 00-0092 | SF | >50 To 500 SF, Stucco, Asbestos Abatement And Disposal | 29.25 | |
| 02 82 33 00-0093 | SF | >500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal | 22.00 | |
| 02 82 33 00-0094 | SF | >2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal | 16.62 | |
| 02 82 33 00-0095 | SF | >10,000 SF, Stucco, Asbestos Abatement And Disposal | 12.54 | |

## 02 82 33 00-0096 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0097 | SET | Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal | 1,346.67 | |
| 02 82 33 00-0098 | SF | >50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal | 15.13 | |
| 02 82 33 00-0099 | SF | >500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal | 11.79 | |
| 02 82 33 00-0100 | SF | >2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal | 8.67 | |
| 02 82 33 00-0101 | SF | >10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal | 6.57 | |

## 02 82 33 00-0102 Fireproofing For Small Areas, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0063 for areas > 1 SF.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0103 | EA | Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal<br>Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments. | 222.01 | |

## 02 82 33 00-0104 Plywood, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0105 | SET | Up To 40 SF, Plywood, Asbestos Abatement And Disposal | 1,343.11 | |
| 02 82 33 00-0106 | SF | >50 To 500 SF, Plywood, Asbestos Abatement And Disposal | 19.18 | |
| 02 82 33 00-0107 | SF | >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal | 9.42 | |
| 02 82 33 00-0108 | SF | >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal | 6.48 | |
| 02 82 33 00-0109 | SF | >10,000 SF, Plywood, Asbestos Abatement And Disposal | 5.56 | |

## 02 82 33 00-0110 Flooring Material, Asbestos Abatement And Disposal *(02 82 33)*

## 02 82 33 00-0111 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

## 02 82 33 00-0112 Floor Tile, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Single layer or first of multiple layers. Excludes mastic.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0113 | SET | Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal | 1,332.43 | |
| | | *For Each Additional Layer, Add* | *199.86* | |
| 02 82 33 00-0114 | SF | >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal | 9.42 | |
| | | *For Each Additional Layer, Add* | *1.41* | |
| 02 82 33 00-0115 | SF | >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal | 7.72 | |
| | | *For Each Additional Layer, Add* | *1.16* | |
| 02 82 33 00-0116 | SF | >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal | 6.17 | |
| | | *For Each Additional Layer, Add* | *0.93* | |
| 02 82 33 00-0117 | SF | >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal | 4.29 | |
| | | *For Each Additional Layer, Add* | *0.64* | |

## 02 82 33 00-0118 Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Single layer or first of multiple layers. Excludes mastic.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0119 | SET | Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal | 1,332.43 | |
| | | *For Each Additional Layer, Add* | *199.86* | |
| 02 82 33 00-0120 | SF | >100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal | 9.42 | |
| | | *For Each Additional Layer, Add* | *1.41* | |
| 02 82 33 00-0121 | SF | >500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal | 7.75 | |
| | | *For Each Additional Layer, Add* | *1.16* | |
| 02 82 33 00-0122 | SF | >2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal | 7.04 | |
| | | *For Each Additional Layer, Add* | *1.06* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 82 33 00-0123 | SF | >10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal | 5.70 | |
| | | *For Each Additional Layer, Add* | *0.86* | |

## 02 82 33 00-0124 Carpet, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0125 | SET | Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal | 1,332.43 | |
| 02 82 33 00-0126 | SF | >100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal | 7.40 | |
| 02 82 33 00-0127 | SF | >500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal | 6.01 | |
| 02 82 33 00-0128 | SF | >2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal | 4.41 | |
| 02 82 33 00-0129 | SF | >10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal | 3.37 | |

## 02 82 33 00-0130 Wall Or Cove Base, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Up to 12".

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0131 | SET | Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal | 447.41 | |
| 02 82 33 00-0132 | LF | >25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal | 6.09 | |
| 02 82 33 00-0133 | LF | >100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal | 3.72 | |
| 02 82 33 00-0134 | LF | >500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal | 2.39 | |
| 02 82 33 00-0135 | LF | >2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal | 1.73 | |

## 02 82 33 00-0136 Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0137 | SET | Up To 100 SF, Mastic, Asbestos Abatement And Disposal<br>Note: Applies to bottom layer only if multiple layers. | 1,337.78 | |
| 02 82 33 00-0138 | SF | >100 To 500 SF, Mastic, Asbestos Abatement And Disposal<br>Note: Applies to bottom layer only if multiple layers. | 3.40 | |
| 02 82 33 00-0139 | SF | >500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal<br>Note: Applies to bottom layer only if multiple layers. | 2.52 | |
| 02 82 33 00-0140 | SF | >2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal<br>Note: Applies to bottom layer only if multiple layers. | 1.96 | |
| 02 82 33 00-0141 | SF | >10,000 SF, Mastic, Asbestos Abatement And Disposal<br>Note: Applies to bottom layer only if multiple layers. | 1.59 | |

## 02 82 33 00-0142 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0143 | SET | Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal | 1,364.48 | |
| 02 82 33 00-0144 | SF | >100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal | 10.83 | |
| 02 82 33 00-0145 | SF | >500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal | 8.00 | |
| 02 82 33 00-0146 | SF | >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal | 6.34 | |
| 02 82 33 00-0147 | SF | >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal | 5.01 | |

## 02 82 33 00-0148 Mastic Contaminated Wood Sub-Flooring, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

Note: Includes removal of all anchors.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0149 | SF | Mastic-Contaminated Wood Sub-Flooring, Asbestos Abatement And Disposal<br>Note: Includes removal of all anchors. | 4.88 | |

## 02 82 33 00-0150 Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0151 | SET | Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal | 1,346.66 | |
| 02 82 33 00-0152 | SF | >100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal | 12.03 | |
| 02 82 33 00-0153 | SF | >500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal<br>Note: Includes detachment of mounted objects before removal. | 7.94 | |
| 02 82 33 00-0154 | SF | >2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal | 6.27 | |
| 02 82 33 00-0155 | SF | >10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal | 5.16 | |

## 02 82 33 00-0156 Roofing, Asbestos Abatement And Disposal *(02 82 33)*

## 02 82 33 00-0157 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0156)*

Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.

## 02 82 33 00-0158 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0157)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0159 | SET | Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 1,373.38 | |
| 02 82 33 00-0160 | SF | >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 8.85 | |
| 02 82 33 00-0161 | SF | >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 7.16 | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 82 33 00-0162 | SF | >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 5.80 | |
| 02 82 33 00-0163 | SF | >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 4.44 | |
| 02 82 33 00-0164 | SF | >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 3.41 | |
| 02 82 33 00-0165 | | >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0157)* | | |
| 02 82 33 00-0166 | SET | Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 1,407.20 | |
| 02 82 33 00-0167 | SF | >110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 10.39 | |
| 02 82 33 00-0168 | SF | >1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 8.41 | |
| 02 82 33 00-0169 | SF | >5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 6.92 | |
| 02 82 33 00-0170 | SF | >10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 5.36 | |
| 02 82 33 00-0171 | SF | >20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 4.19 | |
| 02 82 33 00-0172 | | >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0157)* | | |
| 02 82 33 00-0173 | SET | Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 1,446.36 | |
| 02 82 33 00-0174 | SF | >110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 11.82 | |
| 02 82 33 00-0175 | SF | >1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 9.63 | |
| 02 82 33 00-0176 | SF | >5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 7.96 | |
| 02 82 33 00-0177 | SF | >10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 6.24 | |
| 02 82 33 00-0178 | SF | >20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal | 4.93 | |
| 02 82 33 00-0179 | | Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0156)* | | |
| 02 82 33 00-0180 | | Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0179)* | | |
| 02 82 33 00-0181 | SET | Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal<br>Note: Single or first of multiple layers. | 1,340.00 | |
| 02 82 33 00-0182 | SF | >125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal<br>Note: Single or first of multiple layers. | 8.58 | |
| | | *For Each Additional Layer, Add* | *1.72* | |
| 02 82 33 00-0183 | SF | >1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal<br>Note: Single or first of multiple layers. | 6.89 | |
| | | *For Each Additional Layer, Add* | *1.38* | |
| 02 82 33 00-0184 | SF | >5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal<br>Note: Single or first of multiple layers. | 5.53 | |
| | | *For Each Additional Layer, Add* | *1.11* | |
| 02 82 33 00-0185 | SF | >10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal<br>Note: Single or first of multiple layers. | 4.17 | |
| | | *For Each Additional Layer, Add* | *0.83* | |
| 02 82 33 00-0186 | SF | >20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal<br>Note: Single or first of multiple layers. | 3.14 | |
| | | *For Each Additional Layer, Add* | *0.63* | |
| 02 82 33 00-0187 | | Roof Penetration Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0156)* | | |
| 02 82 33 00-0188 | SET | Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal | 443.85 | |
| 02 82 33 00-0189 | SF | >10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal | 3.41 | |
| 02 82 33 00-0190 | SF | >50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal | 2.81 | |
| 02 82 33 00-0191 | SF | >100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal | 2.28 | |
| 02 82 33 00-0192 | SF | >250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal | 1.69 | |
| 02 82 33 00-0193 | | Roof Curb Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0156)* | | |
| 02 82 33 00-0194 | SET | Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal | 443.85 | |
| 02 82 33 00-0195 | LF | >10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal | 10.06 | |
| 02 82 33 00-0196 | LF | >20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal | 8.06 | |
| 02 82 33 00-0197 | LF | >50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal | 6.73 | |
| 02 82 33 00-0198 | LF | >150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal | 4.88 | |
| 02 82 33 00-0199 | | Asbestos-Cement Products, Asbestos Abatement And Disposal *(02 82 33)* | | |
| 02 82 33 00-0200 | | Interior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0199)*<br>Note: Includes detachment of mounted objects before removal. | | |
| 02 82 33 00-0201 | SET | Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal<br>Note: Includes detachment of mounted objects before removal. | 1,346.66 | |
| 02 82 33 00-0202 | SF | >100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal<br>Note: Includes detachment of mounted objects before removal. | 9.24 | |
| 02 82 33 00-0203 | SF | >500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal<br>Note: Includes detachment of mounted objects before removal. | 4.71 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 82 33 00-0204 | SF | >2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal<br>Note: Includes detachment of mounted objects before removal. | 3.80 | |
| 02 82 33 00-0205 | SF | >10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal<br>Note: Includes detachment of mounted objects before removal. | 3.33 | |
| 02 82 33 00-0206 | | Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0199)* | | |
| 02 82 33 00-0207 | SET | Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal | 1,346.66 | |
| 02 82 33 00-0208 | SF | >100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal | 8.04 | |
| 02 82 33 00-0209 | SF | >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal | 4.21 | |
| 02 82 33 00-0210 | SF | >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal | 3.40 | |
| 02 82 33 00-0211 | SF | >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal | 2.98 | |
| 02 82 33 00-0212 | | Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal *(02 82 33 00-0199)* | | |
| 02 82 33 00-0213 | SET | Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal | 1,128.76 | |
| 02 82 33 00-0214 | LF | >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal | 47.44 | |
| 02 82 33 00-0215 | LF | >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal | 36.11 | |
| 02 82 33 00-0216 | LF | >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal | 27.62 | |
| 02 82 33 00-0217 | LF | >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal | 21.25 | |
| 02 82 33 00-0218 | LF | >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal | 16.47 | |
| 02 82 33 00-0219 | LF | >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal | 16.14 | |
| 02 82 33 00-0220 | | Exterior Transite Siding, Asbestos Abatement And Disposal *(02 82 33 00-0199)* | | |
| 02 82 33 00-0221 | SET | Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal<br>Note: Single or first of multiple layers. | 1,359.04 | |
| 02 82 33 00-0222 | SF | >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal<br>Note: Single or first of multiple layers. | 7.26 | |
| 02 82 33 00-0223 | SF | >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal<br>Note: Single or first of multiple layers. | 5.84 | |
| 02 82 33 00-0224 | SF | >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal<br>Note: Single or first of multiple layers. | 4.71 | |
| 02 82 33 00-0225 | SF | >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal<br>Note: Single or first of multiple layers. | 3.57 | |
| 02 82 33 00-0226 | SF | >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal<br>Note: Single or first of multiple layers. | 2.73 | |
| 02 82 33 00-0227 | | Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33)* | | |
| 02 82 33 00-0228 | | Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal *(02 82 33 00-0227)*<br>Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture. | | |
| 02 82 33 00-0229 | SET | Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal | 666.22 | |
| 02 82 33 00-0230 | SF | >10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal | 1.27 | |
| 02 82 33 00-0231 | SF | >100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal | 0.84 | |
| 02 82 33 00-0232 | SF | >500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal | 0.70 | |
| 02 82 33 00-0233 | SF | >1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal | 0.61 | |
| 02 82 33 00-0234 | | Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal *(02 82 33 00-0227)* | | |
| 02 82 33 00-0235 | SET | Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 893.04 | |
| 02 82 33 00-0236 | SF | >10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 22.86 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0237 | SF | >100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 15.66 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0238 | SF | >250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 11.79 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0239 | SF | >500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 9.57 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 82 33 00-0240 | SF | >2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 8.47 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0241 | SF | >10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 7.35 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0242 | SET | Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 1,119.86 | |
| 02 82 33 00-0243 | SF | >10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 45.27 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0244 | SF | >100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 30.62 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0245 | SF | >250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 23.31 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0246 | SF | >500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 18.87 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0247 | SF | >2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 16.23 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0248 | SF | >10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 14.73 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0249 | SET | Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 1,350.23 | |
| 02 82 33 00-0250 | SF | >10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 90.23 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0251 | SF | >100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 60.86 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0252 | SF | >250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 46.25 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0253 | SF | >500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 37.38 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0254 | SF | >2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 32.09 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0255 | SF | >10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal | 29.09 | |
| | | *For Batt Insulation Removal, Add* | *2.00* | |
| | | *For Encapsulated Soil, Add* | *1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 02 82 33 00-0256 | | Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33 00-0227)* | | |
| 02 82 33 00-0257 | SET | Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal | 907.28 | |
| | | *For Work In Restricted Working Space, Add* | *265.78* | |
| 02 82 33 00-0258 | CF | >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal | 90.23 | |
| | | *For Work In Restricted Working Space, Add* | *26.43* | |
| 02 82 33 00-0259 | CF | >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal | 60.86 | |
| | | *For Work In Restricted Working Space, Add* | *17.62* | |
| 02 82 33 00-0260 | CF | >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal | 46.25 | |
| | | *For Work In Restricted Working Space, Add* | *13.23* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 82 33 00-0261 | CF | >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal | 37.38 | |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| 02 82 33 00-0262 | CF | >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal | 32.09 | |
| | | *For Work In Restricted Working Space, Add* | *8.99* | |
| 02 82 33 00-0263 | CF | >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal | 29.09 | |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |

### 02 82 33 00-0264 Other Asbestos Containing Materials, Asbestos Abatement And Disposal *(02 82 33)*

### 02 82 33 00-0265 30" To 36" Fire Door, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0266 | SET | Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal | 452.57 | |
| 02 82 33 00-0267 | EA | >1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal | 169.07 | |
| 02 82 33 00-0268 | EA | >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal | 153.13 | |

### 02 82 33 00-0269 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal *(02 82 33 00-0264)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0270 | SET | Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal | 443.40 | |
| 02 82 33 00-0271 | LF | >10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal | 9.10 | |
| 02 82 33 00-0272 | LF | >50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal | 6.84 | |
| 02 82 33 00-0273 | LF | >100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal | 5.88 | |
| 02 82 33 00-0274 | LF | >250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal | 5.07 | |
| 02 82 33 00-0275 | LF | >1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal | 4.34 | |
| 02 82 33 00-0276 | LF | >2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal | 3.75 | |

### 02 82 33 00-0277 Grout, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

Note: e.g. flue grout.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0278 | SET | Up To 10 LF, Grout, Asbestos Abatement And Disposal | 443.25 | |
| 02 82 33 00-0279 | LF | >10 To 50 LF, Grout, Asbestos Abatement And Disposal | 17.47 | |
| 02 82 33 00-0280 | LF | >50 To 100 LF, Grout, Asbestos Abatement And Disposal | 12.03 | |
| 02 82 33 00-0281 | LF | >100 To 250 LF, Grout, Asbestos Abatement And Disposal | 10.32 | |
| 02 82 33 00-0282 | LF | >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal | 8.86 | |
| 02 82 33 00-0283 | LF | >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal | 7.64 | |
| 02 82 33 00-0284 | LF | >2,500 LF, Grout, Asbestos Abatement And Disposal | 6.55 | |

### 02 82 33 00-0285 Gaskets, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

Note: e.g. rope, web cloth, flat.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0286 | SET | Up To 10 LF, Gaskets, Asbestos Abatement And Disposal | 443.40 | |
| 02 82 33 00-0287 | LF | >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal | 23.53 | |
| 02 82 33 00-0288 | LF | >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal | 17.66 | |
| 02 82 33 00-0289 | LF | >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal | 15.05 | |
| 02 82 33 00-0290 | LF | >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal | 13.54 | |
| 02 82 33 00-0291 | LF | >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal | 12.18 | |
| 02 82 33 00-0292 | LF | >2,500 LF, Gaskets, Asbestos Abatement And Disposal | 11.58 | |

### 02 82 33 00-0293 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

Note: e.g. grid, spline, or glued on.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0294 | SET | Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal<br>Note: Including Glue Removal | 894.82 | |
| 02 82 33 00-0295 | SF | >50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal<br>Note: Including Glue Removal | 19.00 | |
| 02 82 33 00-0296 | SF | >1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal<br>Note: Including Glue Removal | 9.24 | |
| 02 82 33 00-0297 | SF | >2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal<br>Note: Including Glue Removal | 6.30 | |
| 02 82 33 00-0298 | SF | >10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal<br>Note: Including Glue Removal | 5.38 | |

### 02 82 33 00-0299 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

Note: Includes ceiling tile, asbestos barrier paper, and furring strips.

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0300 | SET | Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal | 890.72 | |
| 02 82 33 00-0301 | SF | >50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal | 19.00 | |
| 02 82 33 00-0302 | SF | >1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal | 9.24 | |
| 02 82 33 00-0303 | SF | >2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal | 6.30 | |
| 02 82 33 00-0304 | SF | >10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal | 5.38 | |

### 02 82 33 00-0305 Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

### 02 82 33 00-0306 Non-Friable Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0305)*


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 82 33 00-0307 | SET | Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal | 443.25 | |
| 02 82 33 00-0308 | LF | >10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal | 13.10 | |
| 02 82 33 00-0309 | LF | >50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal | 9.24 | |
| 02 82 33 00-0310 | LF | >100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal | 6.88 | |
| 02 82 33 00-0311 | LF | >250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal | 5.18 | |
| 02 82 33 00-0312 | LF | >1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal | 4.11 | |
| 02 82 33 00-0313 | LF | >2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal | 3.56 | |
| **02 82 33 00-0314** | | **Wood Wall Joint Compound, Asbestos Abatement And Disposal** *(02 82 33 00-0264)* | | |
| 02 82 33 00-0315 | SET | Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal | 886.81 | |
| 02 82 33 00-0316 | SF | >10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal | 17.53 | |
| 02 82 33 00-0317 | SF | >500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal | 12.83 | |
| 02 82 33 00-0318 | SF | >2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal | 10.06 | |
| 02 82 33 00-0319 | SF | >10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal | 7.85 | |
| **02 82 33 00-0320** | | **Chalk Board Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0264)* | | |
| 02 82 33 00-0321 | SET | Up To 100 SF, Chalk Board Mastic, Asbestos Abatement And Disposal | 451.87 | |
| 02 82 33 00-0322 | SF | >100 To 1,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal | 18.91 | |
| 02 82 33 00-0323 | SF | >1,000 To 2,500 SF, Chalk Board Mastic, Asbestos Abatement And Disposal | 9.15 | |
| 02 82 33 00-0324 | SF | >2,500 To 10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal | 6.21 | |
| 02 82 33 00-0325 | SF | >10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal | 5.29 | |
| **02 82 33 00-0326** | | **Tack Board Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0264)* | | |
| 02 82 33 00-0327 | SET | Up To 100 SF, Tack Board Mastic, Asbestos Abatement And Disposal | 451.87 | |
| 02 82 33 00-0328 | SF | >100 To 1,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal | 18.91 | |
| 02 82 33 00-0329 | SF | >1,000 To 2,500 SF, Tack Board Mastic, Asbestos Abatement And Disposal | 9.15 | |
| 02 82 33 00-0330 | SF | >2,500 To 10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal | 6.21 | |
| 02 82 33 00-0331 | SF | >10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal | 5.29 | |
| **02 82 33 00-0332** | | **Dash Coat Over Wood Walls, Asbestos Abatement And Disposal** *(02 82 33 00-0264)* | | |
| 02 82 33 00-0333 | SET | Up To 10 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal | 886.81 | |
| 02 82 33 00-0334 | SF | >10 To 500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal | 19.47 | |
| 02 82 33 00-0335 | SF | >500 To 2,500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal | 14.53 | |
| 02 82 33 00-0336 | SF | >2,500 To 10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal | 10.92 | |
| 02 82 33 00-0337 | SF | >10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal | 8.22 | |
| **02 82 33 00-0338** | | **HEPA Vacuum, Asbestos Abatement And Disposal** *(02 82 33 00-0264)* | | |
| | | Note: For adjacent areas. | | |
| 02 82 33 00-0339 | SF | High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area | 0.84 | |
| **02 82 33 00-0340** | | **Asbestos Contaminated Paint, Asbestos Abatement And Disposal** *(02 82 33 00-0264)* | | |
| | | Note: Exposed surface area, includes associated overspray. | | |
| 02 82 33 00-0341 | SET | Up To 10 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal | 554.59 | |
| 02 82 33 00-0342 | SF | >10 To 500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal | 54.44 | |
| 02 82 33 00-0343 | SF | >500 To 2,500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal | 40.84 | |
| 02 82 33 00-0344 | SF | >2,500 To 10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal | 30.66 | |
| 02 82 33 00-0345 | SF | >10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal | 23.01 | |
| **02 82 33 00-0346** | | **Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0264)* | | |
| 02 82 33 00-0347 | SF | Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal | 5.71 | |
| 02 82 33 00-0348 | SF | Mastic On Walls, Asbestos Abatement And Disposal | 22.24 | |
| **02 82 33 00-0349** | | **Other Material, Asbestos Abatement And Disposal** *(02 82 33 00-0264)* | | |
| 02 82 33 00-0350 | LF | Chemical Countertops, Asbestos Abatement And Disposal | 30.24 | |
| 02 82 33 00-0351 | EA | Chemical Fume Hood, Asbestos Abatement And Disposal | 1,712.35 | |
| **02 82 33 00-0352** | | **Wire Insulation, Asbestos Abatement And Disposal** *(02 82 33 00-0264)* | | |
| **02 82 33 00-0353** | | **Wire Insulation, Asbestos Abatement And Disposal** *(02 82 33 00-0352)* | | |
| 02 82 33 00-0354 | SET | Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal | 443.25 | |
| 02 82 33 00-0355 | LF | >10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal | 4.94 | |
| 02 82 33 00-0356 | LF | >50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal | 3.49 | |
| 02 82 33 00-0357 | LF | >100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal | 2.59 | |
| 02 82 33 00-0358 | LF | >250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal | 1.96 | |
| 02 82 33 00-0359 | LF | >1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal | 1.56 | |
| 02 82 33 00-0360 | LF | >2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal | 1.36 | |
| **02 82 33 00-0361** | | **Window Putty, Asbestos Abatement And Disposal** *(02 82 33 00-0264)* | | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 82 33 00-0362 | SET | Up To 10 LF, Window Putty, Asbestos Abatement And Disposal | 443.25 | |
| 02 82 33 00-0363 | LF | >10 To 50 LF, Window Putty, Asbestos Abatement And Disposal | 17.47 | |
| 02 82 33 00-0364 | LF | >50 To 100 LF, Window Putty, Asbestos Abatement And Disposal | 12.03 | |
| 02 82 33 00-0365 | LF | >100 To 250 LF, Window Putty, Asbestos Abatement And Disposal | 10.32 | |
| 02 82 33 00-0366 | LF | >250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal | 8.86 | |
| 02 82 33 00-0367 | LF | >1,000 LF, Window Putty, Asbestos Abatement And Disposal | 7.64 | |

### 02 82 33 00-0368 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

| | | | | |
|---|---|---|---|---|
| 02 82 33 00-0369 | SET | Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal | 926.93 | |
| 02 82 33 00-0370 | EA | >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal | 89.53 | |
| 02 82 33 00-0371 | EA | >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal | 63.11 | |
| 02 82 33 00-0372 | EA | >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal | 49.95 | |
| 02 82 33 00-0373 | EA | >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal | 41.97 | |
| 02 82 33 00-0374 | EA | >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal | 37.20 | |
| 02 82 33 00-0375 | EA | >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal | 34.50 | |

## 02 83 Lead Remediation *(02 80)*

See CSI section 01 56 16 00-0042 for temporary stud walls, 01 74 19 00-0041 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

### 02 83 19 Lead-Based Paint Remediation *(02 83)*

### 02 83 19 13 Lead-Based Paint Abatement *(02 83 19)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0042 for temporary stud walls, 01 74 19 00-0041 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.

### 02 83 19 13-0001 Minimum Charge For Lead-Based Paint Remediation *(02 83 19 13)*

| | | | |
|---|---|---|---|
| 02 83 19 13-0002 | EA | Lead-Based Paint Remediation Minimum Show Up Charge<br>Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring. | 1,322.50 |

### 02 83 19 13-0003 Lead Sampling And Testing *(02 83 19 13)*

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.

| | | | |
|---|---|---|---|
| 02 83 19 13-0004 | HR | Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring | 100.03 |
| 02 83 19 13-0005 | EA | X-Ray Fluorescence (XRF) Lead Testing<br>Note: Including Technician, 3 Readings Per Surface And Lab Fee | 74.96 |
| 02 83 19 13-0006 | EA | 5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee | 71.76 |
| 02 83 19 13-0007 | EA | 48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee | 108.72 |
| 02 83 19 13-0008 | EA | 24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee | 152.21 |
| 02 83 19 13-0009 | EA | 5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee | 28.27 |
| 02 83 19 13-0010 | EA | 24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee | 43.49 |
| 02 83 19 13-0011 | EA | 8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee | 54.36 |
| 02 83 19 13-0012 | EA | 5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee | 71.76 |
| 02 83 19 13-0013 | EA | 3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee | 108.72 |
| 02 83 19 13-0014 | EA | 5 Day Turnaround Lead Wipe Samples And Lab Fee | 11.96 |
| 02 83 19 13-0015 | EA | 24 Hour Turnaround Lead Wipe Samples And Lab Fee | 16.31 |
| 02 83 19 13-0016 | EA | 8 Hour Turnaround Lead Wipe Samples And Lab Fee | 23.92 |
| 02 83 19 13-0017 | EA | 5 Day Turnaround Lead Bulk Samples And Lab Fee | 11.96 |
| 02 83 19 13-0018 | EA | 24 Hour Turnaround Lead Bulk Samples And Lab Fee | 16.31 |
| 02 83 19 13-0019 | EA | 8 Hour Turnaround Lead Bulk Samples And Lab Fee | 23.92 |
| 02 83 19 13-0020 | EA | 5 Day Turnaround Lead Air Samples And Lab Fee | 11.96 |
| 02 83 19 13-0021 | EA | 24 Hour Turnaround Lead Air Samples And Lab Fee | 16.31 |
| 02 83 19 13-0022 | EA | 8 Hour Turnaround Lead Air Samples And Lab Fee | 23.92 |
| 02 83 19 13-0023 | EA | 5 Day Turnaround Lead Water Test and Lab Fee | 43.49 |
| 02 83 19 13-0024 | EA | 24 Hour Turnaround Lead Water Test and Lab Fee | 65.23 |
| 02 83 19 13-0025 | EA | 8 Hour Turnaround Lead Water Test and Lab Fee | 86.98 |
| 02 83 19 13-0026 | EA | 5 Day Turnaround Lead Paint Chip Test and Lab Fee | 44.97 |
| 02 83 19 13-0027 | EA | 5 Day Turnaround Lead Soil Test and Lab Fee | 89.95 |

### 02 83 19 13-0028 Scrape And Sand Lead Paint *(02 83 19 13)*

| | | | |
|---|---|---|---|
| 02 83 19 13-0029 | SF | Hand Scrape Lead Paint From Concrete Or Masonry Surfaces | 1.45 |
| 02 83 19 13-0030 | SF | Scrape Lead Paint, Repair And Sand Severely Damaged Drywall Surfaces | 1.50 |
| 02 83 19 13-0031 | SF | Hand Scrape Lead Paint From Wood Surfaces | 1.99 |
| 02 83 19 13-0032 | SF | Hand Scraping And Sanding Lead Paint From Metal Surfaces | 2.04 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 02 83 19 13-0033 Chemical Stripping Of Lead Contaminated Material *(02 83 19 13)*

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

| | | | | |
|---|---|---|---|---|
| 02 83 19 13-0034 | SF | Balustrades, Chemical Stripping Of Lead Contaminated Material | 38.30 | |
| | | *For 0.025" (25 mil) Application, Add* | *2.17* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.40* | |
| 02 83 19 13-0035 | SF | Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material | 56.82 | |
| | | *For 0.025" (25 mil) Application, Add* | *3.09* | |
| | | *For 0.03" (30 mil) Application, Add* | *4.79* | |
| 02 83 19 13-0036 | LF | Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material | 16.44 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.97* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.55* | |
| | | *For 0.125" (125 mil) Application, Add* | *8.61* | |
| 02 83 19 13-0037 | LF | >6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material | 33.60 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.83* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.84* | |
| | | *For 0.125" (125 mil) Application, Add* | *12.90* | |
| 02 83 19 13-0038 | SF | Cornice, Chemical Stripping Of Lead Contaminated Material | 17.86 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.14* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.87* | |
| 02 83 19 13-0039 | SF | Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material | 50.64 | |
| | | *For 0.025" (25 mil) Application, Add* | *2.78* | |
| | | *For 0.03" (30 mil) Application, Add* | *4.33* | |
| 02 83 19 13-0040 | SF | Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material | 11.00 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.75* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.25* | |
| | | *For 0.125" (125 mil) Application, Add* | *8.75* | |
| 02 83 19 13-0041 | SF | Cabinets, Chemical Stripping Of Lead Contaminated Material | 32.02 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.80* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.83* | |
| 02 83 19 13-0042 | SF | Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material | 40.81 | |
| | | *For 0.025" (25 mil) Application, Add* | *2.24* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.49* | |
| 02 83 19 13-0043 | SF | Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material | 15.18 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.96* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.56* | |
| 02 83 19 13-0044 | SF | Columns, Chemical Stripping Of Lead Contaminated Material | 14.58 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.98* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.62* | |
| | | *For 0.125" (125 mil) Application, Add* | *11.15* | |
| 02 83 19 13-0045 | SF | Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material | 12.85 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.84* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.39* | |
| 02 83 19 13-0046 | SF | Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material | 15.80 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.99* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.61* | |
| 02 83 19 13-0047 | SF | Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated | 23.29 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.41* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.28* | |
| 02 83 19 13-0048 | EA | Electrical Devices, Chemical Stripping Of Lead Contaminated Material | 66.64 | |
| | | *For 0.025" (25 mil) Application, Add* | *3.73* | |
| | | *For 0.03" (30 mil) Application, Add* | *5.85* | |
| 02 83 19 13-0049 | LF | Door Frames, Chemical Stripping Of Lead Contaminated Material | 16.51 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.03* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.66* | |
| 02 83 19 13-0050 | SF | Wood Floors, Chemical Stripping Of Lead Contaminated Material | 9.06 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.65* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.10* | |
| 02 83 19 13-0051 | SF | HVAC Grilles, Chemical Stripping Of Lead Contaminated Material | 34.22 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.91* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.99* | |
| 02 83 19 13-0052 | SF | HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material | 40.81 | |
| | | *For 0.025" (25 mil) Application, Add* | *2.24* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.49* | |
| 02 83 19 13-0053 | EA | Hinges, Chemical Stripping Of Lead Contaminated Material | 21.41 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.37* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.24* | |
| 02 83 19 13-0054 | EA | Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material | 26.38 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.62* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.62* | |
| | | *For 0.125" (125 mil) Application, Add* | *15.60* | |
| 02 83 19 13-0055 | LF | Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material | 7.35 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.52* | |
| | | *For 0.03" (30 mil) Application, Add* | *0.87* | |
| | | *For 0.125" (125 mil) Application, Add* | *6.34* | |
| 02 83 19 13-0056 | LF | >2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material | 11.81 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.74* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.20* | |
| | | *For 0.125" (125 mil) Application, Add* | *7.45* | |
| 02 83 19 13-0057 | LF | >4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material | 21.16 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.31* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.12* | |
| | | *For 0.125" (125 mil) Application, Add* | *12.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 83 19 13-0058 | LF | >8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material | 29.00 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.75* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.81* | |
| | | *For 0.125" (125 mil) Application, Add* | *16.25* | |
| 02 83 19 13-0059 | LF | >12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material | 52.01 | |
| | | *For 0.025" (25 mil) Application, Add* | *3.05* | |
| | | *For 0.03" (30 mil) Application, Add* | *4.86* | |
| | | *For 0.125" (125 mil) Application, Add* | *26.50* | |
| 02 83 19 13-0060 | SF | >16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area | 15.54 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.89* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.40* | |
| | | *For 0.125" (125 mil) Application, Add* | *7.13* | |
| 02 83 19 13-0061 | EA | Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material | 309.22 | |
| | | *For 0.025" (25 mil) Application, Add* | *16.91* | |
| | | *For 0.03" (30 mil) Application, Add* | *26.28* | |
| 02 83 19 13-0062 | SF | Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material | 21.58 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.64* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.82* | |
| 02 83 19 13-0063 | SF | Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material | 23.62 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.75* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.97* | |
| 02 83 19 13-0064 | SF | Siding, Chemical Stripping Of Lead Contaminated Material | 12.31 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.87* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.45* | |
| | | *For 0.125" (125 mil) Application, Add* | *10.58* | |
| 02 83 19 13-0065 | SF | Soffit, Chemical Stripping Of Lead Contaminated Material | 25.89 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.49* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.37* | |
| | | *For 0.125" (125 mil) Application, Add* | *12.47* | |
| 02 83 19 13-0066 | SF | Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material | 11.89 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.79* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.32* | |
| | | *For 0.125" (125 mil) Application, Add* | *8.97* | |
| 02 83 19 13-0067 | SF | Corrugated Steel, Chemical Stripping Of Lead Contaminated Material | 13.50 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.88* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.44* | |
| | | *For 0.125" (125 mil) Application, Add* | *9.38* | |
| 02 83 19 13-0068 | SF | Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material | 13.46 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.87* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.43* | |
| | | *For 0.125" (125 mil) Application, Add* | *9.37* | |
| 02 83 19 13-0069 | SF | Steel Trusses, Chemical Stripping Of Lead Contaminated Material | 19.09 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.15* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.86* | |
| | | *For 0.125" (125 mil) Application, Add* | *10.77* | |
| 02 83 19 13-0070 | SF | Wood Surfaces, Chemical Stripping Of Lead Contaminated Material | 13.46 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.87* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.43* | |
| | | *For 0.125" (125 mil) Application, Add* | *9.37* | |
| 02 83 19 13-0071 | SF | Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material | 31.07 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.75* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.76* | |
| 02 83 19 13-0072 | SF | Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material | 34.01 | |
| | | *For 0.025" (25 mil) Application, Add* | *1.90* | |
| | | *For 0.03" (30 mil) Application, Add* | *2.98* | |
| 02 83 19 13-0073 | SF | Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material | 36.00 | |
| | | *For 0.025" (25 mil) Application, Add* | *2.00* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.13* | |
| 02 83 19 13-0074 | SF | Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material | 38.00 | |
| | | *For 0.025" (25 mil) Application, Add* | *2.10* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.28* | |
| 02 83 19 13-0075 | SF | Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material | 39.98 | |
| | | *For 0.025" (25 mil) Application, Add* | *2.20* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.42* | |
| 02 83 19 13-0076 | SF | Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material | 42.05 | |
| | | *For 0.025" (25 mil) Application, Add* | *2.30* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.58* | |
| 02 83 19 13-0077 | SF | Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material | 43.98 | |
| | | *For 0.025" (25 mil) Application, Add* | *2.40* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.72* | |
| 02 83 19 13-0078 | SF | Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material | 44.98 | |
| | | *For 0.025" (25 mil) Application, Add* | *2.45* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.80* | |
| 02 83 19 13-0079 | SF | Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material | 46.00 | |
| | | *For 0.025" (25 mil) Application, Add* | *2.50* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 83 19 13-0080 | SF | Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material | 46.96 | |
| | | *For 0.025" (25 mil) Application, Add* | *2.55* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.95* | |
| 02 83 19 13-0081 | SF | Metal Stairs, Chemical Stripping Of Lead Contaminated Material | 62.03 | |
| | | *For 0.025" (25 mil) Application, Add* | *3.50* | |
| | | *For 0.03" (30 mil) Application, Add* | *5.50* | |
| | | *For 0.125" (125 mil) Application, Add* | *27.51* | |
| 02 83 19 13-0082 | LF | Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material | 10.75 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.69* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.13* | |
| | | *For 0.125" (125 mil) Application, Add* | *7.19* | |
| 02 83 19 13-0083 | SF | Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material | 31.52 | |
| | | Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing. | | |
| | | *For 0.025" (25 mil) Application, Add* | *1.88* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.00* | |
| | | *For 0.125" (125 mil) Application, Add* | *16.88* | |
| 02 83 19 13-0084 | SF | Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material | 34.47 | |
| | | Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing. | | |
| | | *For 0.025" (25 mil) Application, Add* | *1.97* | |
| | | *For 0.03" (30 mil) Application, Add* | *3.12* | |
| | | *For 0.125" (125 mil) Application, Add* | *16.12* | |
| 02 83 19 13-0085 | LF | 2" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material | 3.17 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.19* | |
| | | *For 0.03" (30 mil) Application, Add* | *0.31* | |
| 02 83 19 13-0086 | LF | 3" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material | 4.75 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.29* | |
| | | *For 0.03" (30 mil) Application, Add* | *0.46* | |
| 02 83 19 13-0087 | LF | 4" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material | 5.50 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.33* | |
| | | *For 0.03" (30 mil) Application, Add* | *0.52* | |
| 02 83 19 13-0088 | LF | 6" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material | 6.33 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.38* | |
| | | *For 0.03" (30 mil) Application, Add* | *0.62* | |
| 02 83 19 13-0089 | SF | Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material | 11.00 | |
| | | *For 0.025" (25 mil) Application, Add* | *0.75* | |
| | | *For 0.03" (30 mil) Application, Add* | *1.25* | |

## 02 83 19 13-0090 Demolish Lead Contaminated Material *(02 83 19 13)*

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

| | | | | |
|---|---|---|---|---|
| 02 83 19 13-0091 | SF | Demolish Ceiling Suspension System, Lead Contaminated Material | | 2.73 |
| 02 83 19 13-0092 | SF | Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material | | 8.01 |
| 02 83 19 13-0093 | SF | Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material | | 5.75 |
| 02 83 19 13-0094 | SF | Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material | | 4.50 |
| 02 83 19 13-0095 | SF | Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material | | 3.50 |
| 02 83 19 13-0096 | SF | Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material | | 25.01 |
| | | Note: Includes lath on plaster and backing insulation on stucco. | | |
| 02 83 19 13-0097 | SF | Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material | | 17.78 |
| | | Note: Includes lath on plaster and backing insulation on stucco. | | |
| 02 83 19 13-0098 | SF | Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material | | 13.33 |
| | | Note: Includes lath on plaster and backing insulation on stucco. | | |
| 02 83 19 13-0099 | SF | Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material | | 10.00 |
| | | Note: Includes lath on plaster and backing insulation on stucco. | | |
| 02 83 19 13-0100 | SF | Demolish Suspended Ceiling System And Tile, Lead Contaminated Material | | 1.59 |
| 02 83 19 13-0101 | SF | Demolish Acoustical Ceiling Tile, Lead Contaminated Material | | 1.01 |
| 02 83 19 13-0102 | SF | Demolish Metal Pan Grid System, Lead Contaminated Material | | 1.58 |
| 02 83 19 13-0103 | EA | Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material | | 76.17 |
| 02 83 19 13-0104 | EA | Demolish >2' x 4' Light Fixtures, Lead Contaminated Material | | 101.04 |
| 02 83 19 13-0105 | SF | Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material | | 11.28 |
| 02 83 19 13-0106 | SF | Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material | | 6.31 |
| 02 83 19 13-0107 | SF | Demolish Brick, Lead Contaminated Material | | 4.76 |
| 02 83 19 13-0108 | SF | Demolish Concrete Block, Lead Contaminated Material | | 6.13 |
| 02 83 19 13-0109 | SF | Demolish Tile, Lead Contaminated Material | | 4.61 |
| 02 83 19 13-0110 | SF | Demolish Up To 6" Concrete, Lead Contaminated Material | | 6.93 |
| 02 83 19 13-0111 | IN | Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth | | 5.40 |
| 02 83 19 13-0112 | IN | Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth | | 7.18 |
| 02 83 19 13-0113 | LF | Demolish Wood Balustrades And Railings, Lead Contaminated Material | | 7.90 |
| 02 83 19 13-0114 | LF | Demolish Up To 6" Wide Baseboard, Lead Contaminated Material | | 2.06 |
| 02 83 19 13-0115 | LF | Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material | | 2.57 |
| 02 83 19 13-0116 | LF | Demolish Base Shoe Molding, Lead Contaminated Material | | 1.67 |
| 02 83 19 13-0117 | SF | Demolish Concrete, Lead Contaminated Material | | 15.71 |
| 02 83 19 13-0118 | LF | Demolish Cabinets, Lead Contaminated Material | | 36.60 |
| 02 83 19 13-0119 | SF | Demolish Ceilings, Gypsum Board, Lead Contaminated Material | | 2.07 |
| 02 83 19 13-0120 | SF | Demolish Up To 12" Diameter Columns, Lead Contaminated Material | | 20.28 |
| 02 83 19 13-0121 | SF | Demolish Cornice, Lead Contaminated Material | | 2.70 |
| 02 83 19 13-0122 | EA | Demolish Doors, Lead Contaminated Material | | 79.39 |
| 02 83 19 13-0123 | LF | Demolish Door And Window Wood Trim Or Wood Frames, Lead Contaminated Material | | 2.42 |
| 02 83 19 13-0124 | EA | Demolish Electrical Devices, Lead Contaminated Material | | 24.36 |
| 02 83 19 13-0125 | LF | Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material | | 3.13 |
| 02 83 19 13-0126 | LF | Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material | | 5.20 |
| 02 83 19 13-0127 | SF | Demolish Wood Floors, Lead Contaminated Material | | 3.75 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 83 19 13-0128 | SF | Demolish Grilles, Lead Contaminated Material | 4.41 | |
| 02 83 19 13-0129 | EA | Demolish Hinges, Lead Contaminated Material | 8.86 | |
| 02 83 19 13-0130 | EA | Demolish Up To 6" Diameter Hangers, Lead Contaminated Material | 19.03 | |
| 02 83 19 13-0131 | LF | Demolish Up To 2" Diameter Pipes, Lead Contaminated Material | 7.80 | |
| 02 83 19 13-0132 | LF | Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material | 11.38 | |
| 02 83 19 13-0133 | LF | Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material | 17.20 | |
| 02 83 19 13-0134 | LF | Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material | 31.72 | |
| 02 83 19 13-0135 | EA | Demolish Radiators, Lead Contaminated Material | 137.02 | |
| 02 83 19 13-0136 | EA | Demolish Shutters, Lead Contaminated Material | 53.40 | |
| 02 83 19 13-0137 | SF | Demolish Siding, Lead Contaminated Material | 2.12 | |
| 02 83 19 13-0138 | SF | Demolish Soffit, Lead Contaminated Material | 1.81 | |
| 02 83 19 13-0139 | SF | Demolish Flat Steel Surfaces, Lead Contaminated Material | 4.94 | |
| 02 83 19 13-0140 | SF | Demolish Steel Beams, Lead Contaminated Material | 5.81 | |
| 02 83 19 13-0141 | SF | Demolish Trusses, Lead Contaminated Material | 7.63 | |
| 02 83 19 13-0142 | SF | Demolish Walls, Wood, Lead Contaminated Material | 5.64 | |
| 02 83 19 13-0143 | SF | Demolish Windows, Lead Contaminated Material | 18.96 | |
| 02 83 19 13-0144 | SF | Demolish Metal Stair, Lead Contaminated Material | 9.08 | |
| 02 83 19 13-0145 | LF | Demolish Single Metal Hand Rail, Lead Contaminated Material | 6.67 | |
| 02 83 19 13-0146 | LF | Demolish Metal Railing And Posts, Lead Contaminated Material | 10.89 | |
| 02 83 19 13-0147 | SF | Demolish Metal Picket Fence, Lead Contaminated Material | 2.99 | |
| 02 83 19 13-0148 | SF | Demolish Plywood, Lead Contaminated Material | 8.20 | |
| 02 83 19 13-0149 | SF | Demolish Planks (Various Sizes), Lead Contaminated Material | 4.00 | |
| 02 83 19 13-0150 | EA | Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material | 25.01 | |
| 02 83 19 13-0151 | SF | Demolish Ceramic Tile Block, Lead Contaminated Material | 5.45 | |
| 02 83 19 13-0152 | LF | Demolish Metal Guard Rails, Lead Contaminated Material | 15.00 | |
| 02 83 19 13-0153 | LF | Demolish Roof Metal Trim, Lead Contaminated Material | 3.20 | |
| 02 83 19 13-0154 | LF | Demolish Rain Gutters, Lead Contaminated Material | 5.51 | |
| 02 83 19 13-0155 | LF | Demolish Downspouts, Lead Contaminated Material | 4.50 | |
| 02 83 19 13-0156 | SF | Demolish Corrugated Metal Roofing, Lead Contaminated Material | 5.55 | |
| 02 83 19 13-0157 | LF | Demolish Roof Metal Flashing, Lead Contaminated Material | 3.20 | |
| 02 83 19 13-0158 | LF | Demolish Fascia Board Up To 12", Lead Contaminated Material | 8.01 | |
| **02 83 19 13-0159** | | **Wet Sanding/Light Scraping Of Lead Contaminated Material** *(02 83 19 13)*<br>Note: Remove loose, flaking lead-based paint to prepare for painting. | | |
| 02 83 19 13-0160 | SF | Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting | 3.81 | |
| **02 83 19 13-0161** | | **Mechanical Stripping Of Lead Contaminated Material** *(02 83 19 13)*<br>Note: Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. | | |
| 02 83 19 13-0162 | SF | Grind Flat Steel Surfaces, Mechanical Stripping Of Lead Contaminated Material | 21.01 | |
| **02 83 19 13-0163** | | **Lead Abatement Encapsulation** *(02 83 19 13)*<br>Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise. | | |
| 02 83 19 13-0164 | SF | Balustrades, Lead Abatement Encapsulation | 6.90 | |
| 02 83 19 13-0165 | LF | Up To 6" Wide, Baseboard, Lead Abatement Encapsulation | 6.84 | |
| 02 83 19 13-0166 | LF | >6" To 12" Wide, Baseboard, Lead Abatement Encapsulation | 9.28 | |
| 02 83 19 13-0167 | SF | Brick, Concrete Block, Concrete, Lead Abatement Encapsulation | 4.43 | |
| 02 83 19 13-0168 | SF | Ornate Cabinets, Lead Abatement Encapsulation | 9.98 | |
| 02 83 19 13-0169 | SF | Simple Design Cabinets, Lead Abatement Encapsulation | 8.13 | |
| 02 83 19 13-0170 | SF | Drywall Ceilings, Lead Abatement Encapsulation | 2.77 | |
| 02 83 19 13-0171 | SF | Wood Ceilings, Lead Abatement Encapsulation | 3.37 | |
| 02 83 19 13-0172 | SF | Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation | 3.12 | |
| 02 83 19 13-0173 | SF | Columns, Lead Abatement Encapsulation | 5.35 | |
| 02 83 19 13-0174 | SF | Doors, Lead Abatement Encapsulation | 10.22 | |
| 02 83 19 13-0175 | LF | Up To 2" Electrical Conduit, Lead Abatement Encapsulation | 4.51 | |
| 02 83 19 13-0176 | SF | Picket Fence (Brush), Lead Abatement Encapsulation | 3.19 | |
| 02 83 19 13-0177 | SF | Wood Floors (Roller), Lead Abatement Encapsulation | 2.66 | |
| 02 83 19 13-0178 | SF | Grilles, Vents, Lead Abatement Encapsulation | 7.43 | |
| 02 83 19 13-0179 | LF | Gutters And Downspouts, Lead Abatement Encapsulation | 6.90 | |
| 02 83 19 13-0180 | EA | Hangers, Lead Abatement Encapsulation | 58.82 | |
| 02 83 19 13-0181 | LF | Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation | 4.19 | |
| 02 83 19 13-0182 | LF | >4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation | 6.02 | |
| 02 83 19 13-0183 | LF | >8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation | 9.32 | |
| 02 83 19 13-0184 | LF | >12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation | 13.76 | |
| 02 83 19 13-0185 | EA | Radiators, Lead Abatement Encapsulation | 151.58 | |
| 02 83 19 13-0186 | EA | Up To 6' Shutters, Lead Abatement Encapsulation | 217.29 | |
| 02 83 19 13-0187 | SF | Siding, Lead Abatement Encapsulation | 3.81 | |
| 02 83 19 13-0188 | SF | Up To 12" Soffit, Lead Abatement Encapsulation | 5.35 | |
| 02 83 19 13-0189 | SF | Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation | 4.43 | |
| 02 83 19 13-0190 | SF | Steel Beams And Metal Decks, Lead Abatement Encapsulation | 5.79 | |
| 02 83 19 13-0191 | SF | Trusses, Lead Abatement Encapsulation | 5.79 | |
| 02 83 19 13-0192 | SF | Drywall Walls, Lead Abatement Encapsulation | 2.47 | |
| 02 83 19 13-0193 | SF | Wood Walls, Lead Abatement Encapsulation | 3.03 | |
| 02 83 19 13-0194 | EA | Window Without Grille, Lead Abatement Encapsulation | 128.28 | |
| 02 83 19 13-0195 | EA | Window With Grille, Lead Abatement Encapsulation | 164.99 | |
| 02 83 19 13-0196 | LF | Wood Door Frames And Trim, Lead Abatement Encapsulation | 3.95 | |
| 02 83 19 13-0197 | LF | Steel Lintels, Lead Abatement Encapsulation | 4.53 | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 83 19 13-0198 | LF | Wood Fascia Boards, Lead Abatement Encapsulation | 12.04 | |
| 02 83 19 13-0199 | SF | Wood Eaves, Lead Abatement Encapsulation | 12.04 | |
| 02 83 19 13-0200 | LF | Wood Window Sill, Lead Abatement Encapsulation | 3.61 | |
| 02 83 19 13-0201 | LF | Wood Window Sash, Lead Abatement Encapsulation | 4.64 | |
| 02 83 19 13-0202 | LF | Wood Window Jamb And Trim, Lead Abatement Encapsulation | 6.49 | |
| 02 83 19 13-0203 | LF | Wood Doorway Threshold, Lead Abatement Encapsulation | 4.34 | |
| 02 83 19 13-0204 | LF | Up To 6" Wide, Crown Molding (Simple), Lead Abatement Encapsulation | 6.84 | |
| 02 83 19 13-0205 | LF | >6" To 12" Wide, Crown Molding (Simple), Lead Abatement Encapsulation | 9.28 | |
| 02 83 19 13-0206 | LF | Up To 6" Wide, Crown Molding (Ornate), Lead Abatement Encapsulation | 8.49 | |
| 02 83 19 13-0207 | LF | >6" To 12" Wide, Crown Molding (Ornate), Lead Abatement Encapsulation | 11.48 | |
| 02 83 19 13-0208 | | Removal By Heat Gun Of Lead Contaminated Material *(02 83 19 13)* | | |
| | | Note: Remove of multi-layers of paint down to substrate | | |
| 02 83 19 13-0209 | SF | Scrape And Removal Per Layer Of Multi-layers Of Paint With Heat Gun | 7.41 | |

### 02 83 33 Removal and Disposal of Material Containing Lead *(02 83)*

#### 02 83 33 13 Lead-Based Paint Removal and Disposal *(02 83 33)*

| | | | | |
|---|---|---|---|---|
| 02 83 33 13-0001 | | Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)* | | |
| 02 83 33 13-0002 | SF | High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent | 0.33 | |
| 02 83 33 13-0003 | SF | High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate | 0.31 | |
| 02 83 33 13-0004 | SF | High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting | 1.58 | |

## 02 84 Polychlorinated Biphenyl Remediation *(02 80)*

### 02 84 16 Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury *(02 84)*

| | | | | |
|---|---|---|---|---|
| 02 84 16 00-0001 | | Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)* | | |
| | | Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling. | | |
| 02 84 16 00-0002 | EA | Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling | 10.10 | |
| 02 84 16 00-0003 | | Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)* | | |
| | | Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal. | | |
| 02 84 16 00-0004 | EA | Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures | 3.31 | |
| 02 84 16 00-0005 | EA | Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures | 4.21 | |
| 02 84 16 00-0006 | EA | Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures | 9.96 | |
| 02 84 16 00-0007 | EA | Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures | 20.84 | |
| 02 84 16 00-0008 | | Disposal Of Leaking PCB And Non-PCB Ballasts *(02 84 16)* | | |
| | | Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal. | | |
| 02 84 16 00-0009 | EA | Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures | 6.03 | |
| 02 84 16 00-0010 | EA | Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures | 8.30 | |
| 02 84 16 00-0011 | EA | Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures | 25.59 | |
| 02 84 16 00-0012 | EA | Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures | 49.70 | |

### 02 84 33 Removal and Disposal of Polychlorinated Biphenyls *(02 84)*

| | | | | |
|---|---|---|---|---|
| 02 84 33 00-0001 | | Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers *(02 84 33)* | | |
| | | Note: Includes disposal in approved container, rigging, manifesting, hauling, etc. | | |
| 02 84 33 00-0002 | EA | Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB) | 4,584.80 | |
| | | Note: Includes disposal costs. | | |
| 02 84 33 00-0003 | EA | Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB) | 7,220.46 | |
| | | Note: Includes disposal costs. | | |
| 02 84 33 00-0004 | EA | Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB) | 1,940.28 | |
| 02 84 33 00-0005 | EA | Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB) | 8,737.62 | |
| | | Note: Includes disposal costs. | | |
| 02 84 33 00-0006 | EA | Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB) | 3,468.63 | |
| 02 84 33 00-0007 | EA | Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB) | 13,807.31 | |
| | | Note: Includes disposal costs. | | |

## 02 86 Hazardous Waste Drum Handling *(02 80)*

| | | | | |
|---|---|---|---|---|
| 02 86 00 00-0001 | | Hazardous Waste Packaging *(02 86)* | | |
| 02 86 00 00-0002 | | Overpacks *(02 86 00 00-0001)* | | |
| 02 86 00 00-0003 | | Steel Salvage Drums, 16 Gauge *(02 86 00 00-0002)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 86 00 00-0004 | EA | 110 Gallon, 30" Diameter X 41" High | 575.29 | |
| 02 86 00 00-0005 | EA | 85 Gallon, 26" Diameter X 38" High | 327.47 | |
| 02 86 00 00-0006 | EA | 83 Gallon, 26" Diameter X 36" High | 316.06 | |
| 02 86 00 00-0007 | EA | 55 Gallon, DOT 17C, 18" Diameter X 34" High | 197.74 | |
| 02 86 00 00-0008 | EA | 30 Gallon, DOT 17C, 18" Diameter X 28" High | 155.77 | |
| 02 86 00 00-0009 | EA | 22 Gallon, 16" Diameter X 25" High | 104.95 | |
| 02 86 00 00-0010 | EA | 15 Gallon, DOT 17C, 14" Diameter X 24" High | 94.89 | |
| 02 86 00 00-0011 | EA | 10 Gallon, 13.8" Diameter X 15" High | 83.62 | |
| 02 86 00 00-0012 | | **Polyethylene Overpacks** *(02 86 00 00-0002)* | | |
| 02 86 00 00-0013 | EA | 95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High | 649.82 | |
| 02 86 00 00-0014 | EA | 20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High | 120.09 | |
| 02 86 00 00-0015 | EA | 85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High | 588.01 | |
| 02 86 00 00-0016 | | **Composite Overpacks** *(02 86 00 00-0002)* | | |
| 02 86 00 00-0017 | EA | 55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums | 319.09 | |
| 02 86 00 00-0018 | EA | 55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums | 437.87 | |
| 02 86 00 00-0019 | EA | 85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums | 593.92 | |
| 02 86 00 00-0020 | | **DOT E-9168 Exempt Packaging** *(02 86 00 00-0002)* | | |
| 02 86 00 00-0021 | EA | 32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168 | 49.65 | |
| 02 86 00 00-0022 | EA | 950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168 | 52.38 | |
| 02 86 00 00-0023 | EA | 500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168 | 51.21 | |
| 02 86 00 00-0024 | EA | 250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168 | 25.36 | |
| 02 86 00 00-0025 | EA | Can, Carton, Insert, Tape - Corrosive And Flammable - UPS | 17.10 | |
| 02 86 00 00-0026 | EA | 16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS | 9.43 | |
| 02 86 00 00-0027 | EA | 32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS | 12.26 | |
| 02 86 00 00-0028 | | **Steel Drums** *(02 86 00 00-0001)* | | |
| 02 86 00 00-0029 | | **UN Rated Steel Drums** *(02 86 00 00-0028)* | | |
| 02 86 00 00-0030 | EA | UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum | 157.80 | |
| 02 86 00 00-0031 | EA | 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24) | 1,113.58 | |
| 02 86 00 00-0032 | EA | 55 Gallon Reconditioned Steel 17h Drum (50+) | 104.81 | |
| 02 86 00 00-0033 | EA | 8 Gallon, 17C, Open, Steel Drum | 107.14 | |
| 02 86 00 00-0034 | EA | 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49) | 1,380.00 | |
| 02 86 00 00-0035 | EA | 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+) | 1,308.15 | |
| 02 86 00 00-0036 | EA | 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24) | 1,598.52 | |
| 02 86 00 00-0037 | EA | 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49) | 1,092.62 | |
| 02 86 00 00-0038 | EA | UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum | 149.14 | |
| 02 86 00 00-0039 | EA | UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum | 120.93 | |
| 02 86 00 00-0040 | EA | 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+) | 984.86 | |
| 02 86 00 00-0041 | EA | 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49) | 1,568.59 | |
| 02 86 00 00-0042 | EA | 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9) | 1,445.85 | |
| 02 86 00 00-0043 | EA | 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+) | 1,412.93 | |
| 02 86 00 00-0044 | EA | 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24) | 1,418.91 | |
| 02 86 00 00-0045 | EA | UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum | 95.30 | |
| 02 86 00 00-0046 | EA | 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9) | 927.98 | |
| 02 86 00 00-0047 | EA | UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum | 110.48 | |
| 02 86 00 00-0048 | EA | 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9) | 1,508.72 | |
| 02 86 00 00-0049 | EA | 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24) | 892.06 | |
| 02 86 00 00-0050 | EA | 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49) | 1,278.22 | |
| 02 86 00 00-0051 | EA | 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49) | 853.14 | |
| 02 86 00 00-0052 | EA | 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24) | 1,472.80 | |
| 02 86 00 00-0053 | EA | UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum | 93.90 | |
| 02 86 00 00-0054 | EA | 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+) | 1,212.36 | |
| 02 86 00 00-0055 | EA | 55 Gallon Reconditioned Steel 17h Drum (1-9) | 153.72 | |
| 02 86 00 00-0056 | EA | 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+) | 823.21 | |
| 02 86 00 00-0057 | EA | 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49) | 1,445.85 | |
| 02 86 00 00-0058 | EA | 30 Gallon, 17E, Open, Steel Drum | 68.13 | |
| 02 86 00 00-0059 | EA | 55 Gallon Reconditioned Steel 17h Drum (10-24) | 136.25 | |
| 02 86 00 00-0060 | EA | 20 Gallon, 17C, Open, Steel Drum | 95.75 | |
| 02 86 00 00-0061 | EA | 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+) | 1,302.17 | |
| 02 86 00 00-0062 | EA | 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9) | 1,559.61 | |
| 02 86 00 00-0063 | EA | 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9) | 1,140.52 | |
| 02 86 00 00-0064 | EA | 55 Gallon Reconditioned Steel 17h Drum (25-49) | 118.78 | |
| 02 86 00 00-0065 | EA | 20 Gallon, 17E, Open, Steel Drum | 64.44 | |
| 02 86 00 00-0066 | EA | 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24) | 1,529.67 | |
| 02 86 00 00-0067 | | **Plastic Drums** *(02 86 00 00-0001)* | | |
| 02 86 00 00-0068 | | **Polyethylene Closed Head Drums** *(02 86 00 00-0067)* | | |
| | | Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids. | | |
| 02 86 00 00-0069 | EA | 55 Gallon Polyethylene Closed Head Drums | 99.06 | |
| 02 86 00 00-0070 | EA | 35 Gallon Polyethylene Closed Head Drums | 76.04 | |
| 02 86 00 00-0071 | EA | 30 Gallon Polyethylene Closed Head Drums | 69.05 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 86 00 00-0072 | EA | 20 Gallon Polyethylene Closed Head Drums | 48.24 | |
| 02 86 00 00-0073 | EA | 15 Gallon Polyethylene Closed Head Drums | 47.32 | |
| 02 86 00 00-0074 | | Polyethylene Open Head Drums *(02 86 00 00-0067)* | | |
| | | Note: Open head drums are primarily used for solids and sludge. | | |
| 02 86 00 00-0075 | EA | 55 Gallon Polyethylene Open Head Drums | 125.21 | |
| 02 86 00 00-0076 | EA | 35 Gallon Polyethylene Open Head Drums | 92.06 | |
| 02 86 00 00-0077 | EA | 30 Gallon Polyethylene Open Head Drums | 87.46 | |
| 02 86 00 00-0078 | EA | 20 Gallon Polyethylene Open Head Drums | 64.44 | |
| 02 86 00 00-0079 | EA | 15 Gallon Polyethylene Open Head Drums | 55.24 | |
| 02 86 00 00-0080 | | Fiber Drums *(02 86 00 00-0001)* | | |
| 02 86 00 00-0081 | | Steel Top/Fiber Bottom Drums, Hazardous *(02 86 00 00-0080)* | | |
| | | Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams. | | |
| 02 86 00 00-0082 | EA | 30 Gallon Fiber Drum DOT-21C (1-9) | 75.86 | |
| 02 86 00 00-0083 | EA | 30 Gallon Fiber Drum DOT-21C (10-24) | 71.07 | |
| 02 86 00 00-0084 | EA | 30 Gallon Fiber Drum DOT-21C (25-49) | 64.81 | |
| 02 86 00 00-0085 | EA | 30 Gallon Fiber Drum DOT-21C (50+) | 64.08 | |
| 02 86 00 00-0086 | EA | 55 Gallon Fiber Drum DOT-21C (1-9) | 78.07 | |
| 02 86 00 00-0087 | EA | 55 Gallon Fiber Drum DOT-21C (10-24) | 73.65 | |
| 02 86 00 00-0088 | EA | 55 Gallon Fiber Drum DOT-21C (25-49) | 68.13 | |
| 02 86 00 00-0089 | EA | 55 Gallon Fiber Drum DOT-21C (50-99) | 65.92 | |
| 02 86 00 00-0090 | EA | 55 Gallon Fiber Drum DOT-21C (100+) | 57.08 | |
| 02 86 00 00-0091 | EA | 10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined | 48.61 | |
| 02 86 00 00-0092 | EA | 20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined | 53.03 | |
| 02 86 00 00-0093 | EA | 20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined | 61.87 | |
| 02 86 00 00-0094 | | Loading Hazardous Waste For Shipment *(02 86 00 00-0001)* | | |
| 02 86 00 00-0095 | EA | Load Drums On Disposal Truck | 12.11 | |
| 02 86 00 00-0096 | EA | Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck | 1,272.01 | |
| 02 86 00 00-0097 | | Transport Drums To Landfill *(02 86 00 00-0001)* | | |
| | | Note: Includes transportation for up to 25 miles. | | |
| 02 86 00 00-0098 | EA | Transport Drum To Landfill | 102.29 | |
| | | Note: Includes transportation for up to 25 miles. | | |

## 02 87 Bio-Hazard Material Remediation *(02 80)*

### 02 87 13 Mold Remediation *(02 87)*

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0042 for temporary stud walls, 01 74 19 00-0041 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

### 02 87 13 33 Removal and Disposal of Materials with Mold *(02 87 13)*

| | | | | |
|---|---|---|---|---|
| 02 87 13 33-0001 | | Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)* | | |
| | | Note: Treat fittings as additional lf of insulation. | | |
| 02 87 13 33-0002 | | Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0001)* | | |
| | | Note: Diameter is outer size of insulation. | | |
| 02 87 13 33-0003 | | Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)* | | |
| | | Note: Excludes encased fittings. | | |
| 02 87 13 33-0004 | SET | Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal | 896.60 | |
| 02 87 13 33-0005 | LF | >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal | 34.79 | |
| 02 87 13 33-0006 | LF | >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal | 26.22 | |
| 02 87 13 33-0007 | LF | >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal | 19.80 | |
| 02 87 13 33-0008 | LF | >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal | 14.98 | |
| 02 87 13 33-0009 | LF | >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal | 13.10 | |
| 02 87 13 33-0010 | | >6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)* | | |
| 02 87 13 33-0011 | SET | Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal | 928.64 | |
| 02 87 13 33-0012 | LF | >20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal | 41.53 | |
| 02 87 13 33-0013 | LF | >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal | 31.69 | |
| 02 87 13 33-0014 | LF | >500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal | 24.30 | |
| 02 87 13 33-0015 | LF | >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal | 18.76 | |
| 02 87 13 33-0016 | LF | >10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal | 16.59 | |
| 02 87 13 33-0017 | | Thermal Insulation, Mold Abatement And Disposal *(02 87 13 33)* | | |

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| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 87 13 33-0018 | | Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal *(02 87 13 33-0017)* | | |
| 02 87 13 33-0019 | SET | Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal | 912.62 | |
| 02 87 13 33-0020 | SF | >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal | 20.21 | |
| 02 87 13 33-0021 | SF | >500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal | 15.30 | |
| 02 87 13 33-0022 | SF | >2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal | 11.61 | |
| 02 87 13 33-0023 | SF | >10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal | 9.02 | |
| 02 87 13 33-0024 | | Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)* | | |
| | | Note: e.g. fireproofing, acoustical plaster, etc. | | |
| 02 87 13 33-0025 | | Stucco, Mold Abatement And Disposal *(02 87 13 33-0024)* | | |
| | | Note: Remove surface coat from brown coat or remove entire assembly, including lath. | | |
| 02 87 13 33-0026 | SET | Up To 50 SF, Stucco, Mold Abatement And Disposal | 903.72 | |
| 02 87 13 33-0027 | SF | >50 To 500 SF, Stucco, Mold Abatement And Disposal | 20.04 | |
| 02 87 13 33-0028 | SF | >500 To 2,500 SF, Stucco, Mold Abatement And Disposal | 15.13 | |
| 02 87 13 33-0029 | SF | >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal | 11.44 | |
| 02 87 13 33-0030 | SF | >10,000 SF, Stucco, Mold Abatement And Disposal | 8.69 | |
| 02 87 13 33-0031 | | Acoustical Plaster, Mold Abatement And Disposal *(02 87 13 33-0024)* | | |
| | | Note: Remove surface coat from brown coat or remove entire assembly, including lath. | | |
| 02 87 13 33-0032 | SET | Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal | 903.72 | |
| 02 87 13 33-0033 | SF | >50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal | 20.04 | |
| 02 87 13 33-0034 | SF | >500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal | 15.13 | |
| 02 87 13 33-0035 | SF | >2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal | 11.44 | |
| 02 87 13 33-0036 | SF | >10,000 SF, Acoustical Plaster, Mold Abatement And Disposal | 8.69 | |
| 02 87 13 33-0037 | | Gypsum Board, Mold Abatement And Disposal *(02 87 13 33-0024)* | | |
| 02 87 13 33-0038 | SET | Up To 100 SF, Gypsum Board, Mold Abatement And Disposal | 921.53 | |
| 02 87 13 33-0039 | SF | >100 To 500 SF, Gypsum Board, Mold Abatement And Disposal | 6.72 | |
| 02 87 13 33-0040 | SF | >500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal | 5.34 | |
| 02 87 13 33-0041 | SF | >2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal | 4.23 | |
| 02 87 13 33-0042 | SF | >10,000 SF, Gypsum Board, Mold Abatement And Disposal | 3.13 | |
| 02 87 13 33-0043 | | Fireproofing, Mold Abatement And Disposal *(02 87 13 33-0024)* | | |
| | | Note: Exposed surface area, includes associated overspray. | | |
| 02 87 13 33-0044 | SET | Up To 50 SF, Fireproofing, Mold Abatement And Disposal | 912.62 | |
| 02 87 13 33-0045 | SF | >50 To 500 SF, Fireproofing, Mold Abatement And Disposal | 27.66 | |
| 02 87 13 33-0046 | SF | >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal | 20.91 | |
| 02 87 13 33-0047 | SF | >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal | 15.81 | |
| 02 87 13 33-0048 | SF | >10,000 SF, Fireproofing, Mold Abatement And Disposal | 11.99 | |
| 02 87 13 33-0049 | | Flooring, Mold Abatement And Disposal *(02 87 13 33)* | | |
| | | Note: Includes cove base. | | |
| 02 87 13 33-0050 | | Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0049)* | | |
| 02 87 13 33-0051 | | Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0050)* | | |
| | | Note: Single layer or first of multiple layers. | | |
| 02 87 13 33-0052 | SET | Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal | 921.53 | |
| 02 87 13 33-0053 | SF | >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal | 6.69 | |
| | | *For Each Additional Layer, Add* | *1.67* | |
| 02 87 13 33-0054 | SF | >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal | 3.76 | |
| | | *For Each Additional Layer, Add* | *0.94* | |
| 02 87 13 33-0055 | SF | >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal | 2.20 | |
| | | *For Each Additional Layer, Add* | *0.55* | |
| 02 87 13 33-0056 | SF | >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal | 1.72 | |
| | | *For Each Additional Layer, Add* | *0.43* | |
| 02 87 13 33-0057 | | Carpet, Mold Abatement And Disposal *(02 87 13 33-0049)* | | |
| 02 87 13 33-0058 | | Carpet, Glue Down, Mold Abatement And Disposal *(02 87 13 33-0057)* | | |
| 02 87 13 33-0059 | SET | Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal | 921.53 | |
| 02 87 13 33-0060 | SF | >100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal | 5.57 | |
| 02 87 13 33-0061 | SF | >500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal | 3.52 | |
| 02 87 13 33-0062 | SF | >2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal | 2.37 | |
| 02 87 13 33-0063 | SF | >10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal | 1.84 | |
| 02 87 13 33-0064 | | Carpet, Padded With Tack Strips, Mold Abatement And Disposal *(02 87 13 33-0057)* | | |
| 02 87 13 33-0065 | SET | Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal | 921.53 | |
| | | Note: Includes tack strips. | | |
| 02 87 13 33-0066 | SF | >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal | 6.27 | |
| | | Note: Includes tack strips. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 87 13 33-0067 | SF | >500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal<br>Note: Includes tack strips. | 4.57 | |
| 02 87 13 33-0068 | SF | >2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal<br>Note: Includes tack strips. | 3.64 | |
| 02 87 13 33-0069 | SF | >10,000 SF, Carpet And Pad, Mold Abatement And Disposal<br>Note: Includes tack strips. | 2.82 | |
| **02 87 13 33-0070** | | **Subflooring, Mold Abatement And Disposal** *(02 87 13 33-0049)* | | |
| 02 87 13 33-0071 | SET | Up To 75 SF, Subflooring, Mold Abatement And Disposal | 912.62 | |
| 02 87 13 33-0072 | SF | >75 To 500 SF, Subflooring, Mold Abatement And Disposal | 7.69 | |
| 02 87 13 33-0073 | SF | >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal | 4.94 | |
| 02 87 13 33-0074 | SF | >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal | 3.01 | |
| 02 87 13 33-0075 | SF | >10,000 SF, Subflooring, Mold Abatement And Disposal | 1.95 | |
| **02 87 13 33-0076** | | **Siding, Mold Abatement And Disposal** *(02 87 13 33)* | | |
| **02 87 13 33-0077** | | **Interior Paneling, Mold Abatement And Disposal** *(02 87 13 33-0076)*<br>Note: Includes detachment of mounted objects before removal. | | |
| 02 87 13 33-0078 | SET | Up To 100 SF, Interior Paneling, Mold Abatement And Disposal<br>Note: Includes detachment of mounted objects before removal. | 921.53 | |
| 02 87 13 33-0079 | SF | >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal<br>Note: Includes detachment of mounted objects before removal. | 6.67 | |
| 02 87 13 33-0080 | SF | >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal<br>Note: Includes detachment of mounted objects before removal. | 4.70 | |
| 02 87 13 33-0081 | SF | >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal<br>Note: Includes detachment of mounted objects before removal. | 2.76 | |
| 02 87 13 33-0082 | SF | >10,000 SF, Interior Paneling, Mold Abatement And Disposal<br>Note: Includes detachment of mounted objects before removal. | 2.14 | |
| **02 87 13 33-0083** | | **Exterior Siding, Mold Abatement And Disposal** *(02 87 13 33-0076)* | | |
| 02 87 13 33-0084 | SET | Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal | 921.53 | |
| 02 87 13 33-0085 | SF | >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal | 8.27 | |
| 02 87 13 33-0086 | SF | >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal | 5.76 | |
| 02 87 13 33-0087 | SF | >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal | 3.90 | |
| 02 87 13 33-0088 | SF | >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal | 3.52 | |
| **02 87 13 33-0089** | | **Contaminated Debris, Mold Abatement And Disposal** *(02 87 13 33)* | | |
| **02 87 13 33-0090** | | **Contaminated Debris, Mold Abatement And Disposal** *(02 87 13 33-0089)* | | |
| 02 87 13 33-0091 | SET | Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal | 928.64 | |
| 02 87 13 33-0092 | CF | >20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal | 32.78 | |
| 02 87 13 33-0093 | CF | >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal | 22.57 | |
| 02 87 13 33-0094 | CF | >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal | 17.46 | |
| 02 87 13 33-0095 | CF | >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal | 14.40 | |
| 02 87 13 33-0096 | CF | >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal | 8.83 | |
| 02 87 13 33-0097 | CF | >10,000 CF, Contaminated Debris, Mold Abatement And Disposal | 8.15 | |
| **02 87 13 33-0098** | | **Other Mold Containing Materials, Mold Abatement And Disposal** *(02 87 13 33)* | | |
| **02 87 13 33-0099** | | **Wood Studs, Mold Abatement And Disposal** *(02 87 13 33-0098)*<br>Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material. | | |
| 02 87 13 33-0100 | SET | Up To 100 LF, Wood Studs, Mold Abatement And Disposal | 460.75 | |
| 02 87 13 33-0101 | LF | >100 To 500 LF, Wood Studs, Mold Abatement And Disposal | 3.74 | |
| 02 87 13 33-0102 | LF | >500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal | 2.80 | |
| 02 87 13 33-0103 | LF | >2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal | 2.18 | |
| 02 87 13 33-0104 | LF | >10,000 LF, Wood Studs, Mold Abatement And Disposal | 1.66 | |
| **02 87 13 33-0105** | | **Ceiling Tile, Mold Abatement And Disposal** *(02 87 13 33-0098)*<br>Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'. | | |
| 02 87 13 33-0106 | SET | Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal | 921.53 | |
| 02 87 13 33-0107 | SF | >100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal | 11.44 | |
| 02 87 13 33-0108 | SF | >1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal | 5.40 | |
| 02 87 13 33-0109 | SF | >2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal | 3.90 | |
| 02 87 13 33-0110 | SF | >10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal | 3.85 | |
| 02 87 13 33-0111 | SF | >25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal | 3.76 | |
| 02 87 13 33-0112 | SF | >50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal | 3.32 | |
| 02 87 13 33-0113 | SF | >100,000 SF, Ceiling Tile, Mold Abatement And Disposal | 2.89 | |
| **02 87 13 33-0114** | | **Caulking, Mold Abatement And Disposal** *(02 87 13 33-0098)* | | |
| 02 87 13 33-0115 | SET | Up To 20 LF, Caulking, Mold Abatement And Disposal | 222.07 | |
| 02 87 13 33-0116 | LF | >20 To 50 LF, Caulking, Mold Abatement And Disposal | 4.46 | |
| 02 87 13 33-0117 | LF | >50 To 100 LF, Caulking, Mold Abatement And Disposal | 3.19 | |
| 02 87 13 33-0118 | LF | >100 To 250 LF, Caulking, Mold Abatement And Disposal | 2.42 | |
| 02 87 13 33-0119 | LF | >250 To 1,000 LF, Caulking, Mold Abatement And Disposal | 1.81 | |
| 02 87 13 33-0120 | LF | >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal | 1.46 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 87 13 33-0121 | LF | >2,500 LF, Caulking, Mold Abatement And Disposal | 1.26 | |

### 02 87 13 33-0122 Wipe Down Walls, Ceilings And Floors *(02 87 13 33-0098)*

| | | | | |
|---|---|---|---|---|
| 02 87 13 33-0123 | CSF | Wipe Down Floors With Mild Bleach Solution | 24.62 | |
| | | *For >25 To 50, Deduct* | *-2.46* | |
| | | *For >50 To 200, Deduct* | *-6.15* | |
| | | *For >200, Deduct* | *-9.84* | |
| 02 87 13 33-0124 | CSF | Wipe Down Walls With Mild Bleach Solution | 28.96 | |
| | | *For >25 To 50, Deduct* | *-2.90* | |
| | | *For >50 To 200, Deduct* | *-7.24* | |
| | | *For >200, Deduct* | *-11.58* | |
| 02 87 13 33-0125 | CSF | Wipe Down Ceilings With Mild Bleach Solution | 32.94 | |
| | | *For >25 To 50, Deduct* | *-3.29* | |
| | | *For >50 To 200, Deduct* | *-8.23* | |
| | | *For >200, Deduct* | *-13.17* | |
| 02 87 13 33-0126 | CSF | Wipe Down Countertops With Mild Bleach Solution | 26.85 | |
| | | *For >25 To 50, Deduct* | *-2.68* | |
| 02 87 13 33-0127 | CSF | Wipe Down Other Surfaces With Mild Bleach Solution | 34.08 | |
| | | *For >25 To 50, Deduct* | *-3.41* | |
| | | *For >50 To 200, Deduct* | *-8.52* | |
| | | *For >200, Deduct* | *-13.63* | |

### 02 87 13 33-0128 Cabinets *(02 87 13 33-0098)*

| | | | | |
|---|---|---|---|---|
| 02 87 13 33-0129 | SET | Up To 10 LF, Base Cabinet, Mold Abatement And Disposal | 987.45 | |
| 02 87 13 33-0130 | LF | >10 To 20 LF, Base Cabinet, Mold Abatement And Disposal | 104.11 | |
| 02 87 13 33-0131 | LF | >20 LF, Base Cabinet, Mold Abatement And Disposal | 77.26 | |
| 02 87 13 33-0132 | SET | Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal | 923.36 | |
| 02 87 13 33-0133 | LF | >10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal | 86.96 | |
| 02 87 13 33-0134 | LF | >20 LF, Wall Cabinet, Mold Abatement And Disposal | 60.11 | |

## 02 87 16 Excrement Removal *(02 87)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

### 02 87 16 13 Bird Excrement Removal *(02 87 16)*

#### 02 87 16 13-0001 Bird Waste Removal *(02 87 16 13)*

Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.

| | | | | |
|---|---|---|---|---|
| 02 87 16 13-0002 | EA | Up To 10 SF Bird Waste Removal, Up To 3" Thickness | 885.92 | |
| | | *For Work In Restricted Working Space, Add* | *265.78* | |
| 02 87 16 13-0003 | SF | >10 To 500 SF Bird Waste Removal, Up To 3" Thickness | 14.77 | |
| | | *For Work In Restricted Working Space, Add* | *4.43* | |
| 02 87 16 13-0004 | SF | >500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness | 13.43 | |
| | | *For Work In Restricted Working Space, Add* | *4.03* | |
| 02 87 16 13-0005 | SF | >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness | 12.20 | |
| | | *For Work In Restricted Working Space, Add* | *3.66* | |
| 02 87 16 13-0006 | SF | >10,000 SF Bird Waste Removal, Up To 3" Thickness | 11.10 | |
| | | *For Work In Restricted Working Space, Add* | *3.33* | |

## 02 87 19 Bio-Hazard and Infectious Disease Control Remediation *(02 87)*

#### 02 87 19 00-0001 Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19)*

#### 02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

| | | | | |
|---|---|---|---|---|
| 02 87 19 00-0003 | EA | 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000) | 690.37 | |
| 02 87 19 00-0004 | EA | 3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001) | 655.70 | |
| 02 87 19 00-0005 | EA | 2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002) | 517.04 | |
| 02 87 19 00-0006 | EA | 2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1) | 597.93 | |
| 02 87 19 00-0007 | EA | 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)<br>Note: Includes a hydraulic closer and a lever style lockset standard. | 1,169.90 | |
| 02 87 19 00-0008 | EA | 7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004) | 236.44 | |
| 02 87 19 00-0009 | EA | 6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005) | 316.30 | |
| 02 87 19 00-0010 | EA | 12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006) | 339.41 | |
| 02 87 19 00-0011 | EA | 7'-8" To 10' High, Outside Corner Post (Edge Guard 4007) | 195.99 | |
| 02 87 19 00-0012 | EA | 4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)<br>Note: Includes a hydraulic closer and a lever style lockset standard. | 1,401.00 | |
| 02 87 19 00-0013 | EA | 7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009) | 195.99 | |
| 02 87 19 00-0014 | EA | 3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010)<br>Note: Includes a hydraulic closer and a lever style lockset standard. | 1,054.35 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 87 19 00-0015 | EA | Closure Strips (Edge Guard 3003) | 14.23 | |
| | | Note: To seal panels to existing walls | | |
| 02 87 19 00-0016 | EA | Digital Differential Pressure Gauge Kit (Edge Guard 3005) | 323.43 | |
| **02 87 19 00-0017** | | **Temporary Sheeting For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)* | | |
| | | Note: Includes removal and disposal in approved landfill after use. | | |
| 02 87 19 00-0018 | SF | 6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control | 0.57 | |
| 02 87 19 00-0019 | SF | 6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control | 0.75 | |
| 02 87 19 00-0020 | SF | 6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control | 1.00 | |
| 02 87 19 00-0021 | SF | 6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control | 0.68 | |
| 02 87 19 00-0022 | SF | 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control | 0.86 | |
| 02 87 19 00-0023 | SF | 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control | 1.11 | |
| **02 87 19 00-0024** | | **Temporary Floor Protection For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)* | | |
| | | Note: Includes removal after use. | | |
| 02 87 19 00-0025 | SF | 1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control | 1.81 | |
| 02 87 19 00-0026 | SF | 1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control | 1.83 | |
| 02 87 19 00-0027 | SF | 3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control | 2.18 | |
| **02 87 19 00-0028** | | **Temporary Stud Wall For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)* | | |
| | | Note: Includes removal after use. | | |
| 02 87 19 00-0029 | SF | 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control | 6.23 | |
| 02 87 19 00-0030 | SF | 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control | 8.71 | |
| 02 87 19 00-0031 | SF | 5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control | 6.42 | |
| 02 87 19 00-0032 | SF | 5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control | 9.09 | |
| 02 87 19 00-0033 | SF | 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control | 3.57 | |
| **02 87 19 00-0034** | | **Isolation Barriers For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)* | | |
| 02 87 19 00-0035 | GSF | Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control | 23.80 | |
| | | Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock. | | |
| 02 87 19 00-0036 | GSF | Relocate Tent Construction To Different Area | 2.84 | |
| **02 87 19 00-0037** | | **Plexiglass Barriers For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)* | | |
| 02 87 19 00-0038 | SF | 3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control | 20.64 | |
| 02 87 19 00-0039 | SF | 1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control | 24.33 | |
| 02 87 19 00-0040 | SF | 3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control | 34.18 | |
| 02 87 19 00-0041 | PR | Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control | 1,514.16 | |
| | | Note: Excludes gloves. | | |
| 02 87 19 00-0042 | PR | Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control | 543.06 | |
| | | Note: For installation in glove iris port. | | |
| 02 87 19 00-0043 | PR | Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control | 868.52 | |
| | | Note: For installation in glove iris port. | | |
| 02 87 19 00-0044 | EA | 5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease | 153.63 | |
| | | Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm). | | |
| **02 87 19 00-0045** | | **Temporary Portable And Mobile Trailers** *(02 87 19)* | | |
| **02 87 19 00-0046** | | **Trailer Delivery** *(02 87 19 00-0045)* | | |
| 02 87 19 00-0047 | EA | Deliver Trailer Within 25 Miles | 1,260.33 | |
| **02 87 19 00-0048** | | **Portable And Mobile Trailers, Purchase** *(02 87 19 00-0045)* | | |
| | | Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities. | | |
| 02 87 19 00-0049 | EA | 8' x 24' Mobile Trailer With Toilet, Purchase | 13,402.74 | |
| | | *For Tie-Downs, Add* | *133.31* | |
| 02 87 19 00-0050 | EA | 8' x 32' Mobile Trailer With Toilet, Purchase | 18,934.56 | |
| | | *For Tie-Downs, Add* | *133.31* | |
| 02 87 19 00-0051 | EA | 10' x 36' Mobile Trailer With Toilet, Purchase | 27,017.49 | |
| | | *For Tie-Downs, Add* | *133.31* | |
| 02 87 19 00-0052 | EA | 10' x 44' Mobile Trailer With Toilet, Purchase | 33,762.05 | |
| | | *For Tie-Downs, Add* | *133.31* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 87 19 00-0053 | EA | 10' x 50' Mobile Trailer With Toilet, Purchase | 38,384.53 | |
| | | *For Tie-Downs, Add* | *133.31* | |
| 02 87 19 00-0054 | EA | 12' x 50' Mobile Trailer With Toilet, Purchase | 40,352.18 | |
| | | *For Tie-Downs, Add* | *133.31* | |
| 02 87 19 00-0055 | EA | 12' x 60' Mobile Trailer With Toilet, Purchase | 44,899.82 | |
| | | *For Tie-Downs, Add* | *133.31* | |
| 02 87 19 00-0056 | | **Accessories For Portable And Mobile Trailers** *(02 87 19 00-0045)* | | |
| 02 87 19 00-0057 | | **Skirting** *(02 87 19 00-0056)* | | |
| | | Note: Includes 2" x 4" wood framing 16" on center. | | |
| 02 87 19 00-0058 | SF | 1'-8" High Vinyl Covered Skirt | 5.32 | 1.89 |
| 02 87 19 00-0059 | SF | 3' High Vinyl Covered Skirt | 7.74 | 3.11 |
| 02 87 19 00-0060 | | **Aluminum Modular Access Ramp** *(02 87 19 00-0056)* | | |
| | | Note: Includes picketed guardrails, inside grab rails, legs and hardware. | | |
| 02 87 19 00-0061 | EA | Up To 35" High, Aluminum Modular Access Ramp | 3,907.76 | 36.15 |
| 02 87 19 00-0062 | | **Aluminum Modular Stairs** *(02 87 19 00-0056)* | | |
| | | Note: Excludes earthwork | | |
| 02 87 19 00-0063 | EA | Aluminum Steps For Mobile Trailers | 1,078.77 | |
| 02 87 19 00-0064 | | **Decontamination Chambers For Bio-Hazard And Infectious Disease Control** *(02 87 19)* | | |
| | | Note: Includes removal after use. | | |
| 02 87 19 00-0065 | EA | Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control | 1,013.01 | |
| | | Note: Includes connection to negative air system. | | |
| 02 87 19 00-0066 | EA | Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control | 1,193.29 | |
| | | Note: Includes connection to negative air system. | | |
| 02 87 19 00-0067 | EA | Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control | 612.79 | |
| | | Note: Includes connection to negative air system. | | |
| 02 87 19 00-0068 | | **Bio-Hazard And Infectious Disease Control Cleaning, Level 2** *(02 87 19)* | | |
| | | Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill. | | |
| 02 87 19 00-0069 | | **Bio-Hazard And Infectious Disease Control Cleaning Mobilization** *(02 87 19 00-0068)* | | |
| 02 87 19 00-0070 | EA | Bio-Hazard And Infectious Disease Control Mobilization And Set-Up | 372.12 | |
| | | Note: Mobilization and set-up minimum for each site location, for levels 1, 2 or 3. | | |
| 02 87 19 00-0071 | | **Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces** *(02 87 19 00-0068)* | | |
| | | Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces | | |
| 02 87 19 00-0072 | CSF | Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution | 27.58 | |
| | | *For >25 To 50, Deduct* | *-2.76* | |
| | | *For >50 To 200, Deduct* | *-5.51* | |
| | | *For >200, Deduct* | *-8.27* | |
| | | *For Cleaning Surfaces With Goldshield® GS5, Add* | *14.99* | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-5.51* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *9.09* | |
| 02 87 19 00-0073 | CSF | Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution | 32.45 | |
| | | *For >25 To 50, Deduct* | *-3.24* | |
| | | *For >50 To 200, Deduct* | *-6.49* | |
| | | *For >200, Deduct* | *-9.73* | |
| | | *For Cleaning Surfaces With Goldshield® GS5, Add* | *14.99* | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-6.49* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *10.70* | |
| 02 87 19 00-0074 | CSF | Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution | 36.91 | |
| | | *For >25 To 50, Deduct* | *-3.69* | |
| | | *For >50 To 200, Deduct* | *-7.38* | |
| | | *For >200, Deduct* | *-11.07* | |
| | | *For Cleaning Surfaces With Goldshield® GS5, Add* | *14.99* | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-7.38* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *12.17* | |
| 02 87 19 00-0075 | CSF | Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution | 30.09 | |
| | | *For Cleaning Surfaces With Goldshield® GS5, Add* | *14.99* | |
| | | *For >5 To 10, Deduct* | *-1.50* | |
| | | *For >10 To 50, Deduct* | *-3.01* | |
| | | *For >50, Deduct* | *-6.01* | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-6.01* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *9.92* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 87 19 00-0076 | CSF | Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution | 38.18 | |
| | | *For >25 To 50, Deduct* | *-3.82* | |
| | | *For >50 To 200, Deduct* | *-7.63* | |
| | | *For >200, Deduct* | *-11.45* | |
| | | *For Cleaning Surfaces With Goldshield® GS5, Add* | *14.99* | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-7.63* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *12.59* | |

## 02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials *(02 87 19 00-0068)*

Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect

| | | | | |
|---|---|---|---|---|
| 02 87 19 00-0078 | EA | Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution | 71.31 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-14.26* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *23.53* | |
| | | *For Cleaning Surfaces With Goldshield® GS5, Add* | *7.50* | |
| 02 87 19 00-0079 | EA | Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution | 32.72 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-6.54* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *10.79* | |
| | | *For Cleaning Surfaces With Goldshield® GS5, Add* | *5.00* | |
| 02 87 19 00-0080 | EA | Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution | 114.85 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-22.97* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *37.89* | |
| | | *For Cleaning Surfaces With Goldshield® GS5, Add* | *7.50* | |
| 02 87 19 00-0081 | EA | Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution | 7.08 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-1.41* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *2.33* | |
| | | *For Cleaning Surfaces With Goldshield® GS5, Add* | *1.50* | |
| 02 87 19 00-0082 | EA | Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up | 105.88 | |
| | | Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers | | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-21.17* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *34.93* | |
| | | *For Cleaning Surfaces With Goldshield® GS5, Add* | *7.50* | |
| 02 87 19 00-0083 | EA | Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up | 11.30 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-2.26* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *3.72* | |
| | | *For Cleaning Surfaces With Goldshield® GS5, Add* | *1.50* | |

## 02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork *(02 87 19 00-0068)*

| | | | | |
|---|---|---|---|---|
| 02 87 19 00-0085 | LF | Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning | 4.17 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-0.83* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *1.37* | |
| 02 87 19 00-0086 | LF | >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning | 5.23 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-1.03* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *1.71* | |
| 02 87 19 00-0087 | LF | >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning | 7.02 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-1.38* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *2.28* | |
| 02 87 19 00-0088 | LF | >8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning | 9.94 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-1.94* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *3.20* | |
| 02 87 19 00-0089 | EA | Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning | 186.09 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-37.21* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *61.40* | |
| 02 87 19 00-0090 | SF | Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning | 12.94 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-2.58* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *4.26* | |
| 02 87 19 00-0091 | EA | Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning | 124.06 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-24.81* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *40.93* | |
| 02 87 19 00-0092 | EA | Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning | 372.14 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-74.42* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *122.80* | |
| 02 87 19 00-0093 | EA | Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning | 31.03 | |
| | | Note: Includes removal and reinstallation. | | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-6.20* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *10.23* | |
| 02 87 19 00-0094 | SF | Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning | 0.57 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-0.10* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *0.17* | |
| 02 87 19 00-0095 | SF | Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning | 0.65 | |
| | | *For Level 1 Biohazard Cleaning, Deduct* | *-0.10* | |
| | | *For Level 3 Biohazard Cleaning, Add* | *0.17* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 87 19 00-0096 | | **Bio-Hazard And Infectious Disease Control Equipment Rental** *(02 87 19)*<br>Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. | | |
| 02 87 19 00-0097 | DAY | Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up | 108.38 | |
| 02 87 19 00-0098 | WK | Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up | 461.61 | |
| 02 87 19 00-0099 | MO | Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up | 1,292.51 | |
| 02 87 19 00-0100 | DAY | Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up | 160.68 | |
| 02 87 19 00-0101 | WK | Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up | 441.86 | |
| 02 87 19 00-0102 | MO | Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up | 1,205.08 | |
| 02 87 19 00-0103 | DAY | Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up | 34.77 | |
| 02 87 19 00-0104 | WK | Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up | 95.61 | |
| 02 87 19 00-0105 | MO | Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up | 260.76 | |
| 02 87 19 00-0106 | DAY | Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up | 121.26 | |
| 02 87 19 00-0107 | WK | Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up | 498.04 | |
| 02 87 19 00-0108 | MO | Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up | 1,504.95 | |
| 02 87 19 00-0109 | EA | High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up<br>Note: Required if over 800 hours operation. | 132.46 | |
| 02 87 19 00-0110 | DAY | 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 342.34 | |
| 02 87 19 00-0111 | WK | 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 684.68 | |
| 02 87 19 00-0112 | MO | 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 1,369.37 | |
| 02 87 19 00-0113 | DAY | 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 456.46 | |
| 02 87 19 00-0114 | WK | 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 912.91 | |
| 02 87 19 00-0115 | MO | 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 1,825.82 | |
| 02 87 19 00-0116 | DAY | 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 1,008.89 | |
| 02 87 19 00-0117 | WK | 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 2,017.78 | |
| 02 87 19 00-0118 | MO | 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 4,035.55 | |
| 02 87 19 00-0119 | DAY | 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 1,345.18 | |
| 02 87 19 00-0120 | WK | 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 2,690.37 | |
| 02 87 19 00-0121 | MO | 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 5,380.74 | |
| 02 87 19 00-0122 | DAY | 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 1,681.48 | |
| 02 87 19 00-0123 | WK | 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 3,362.96 | |
| 02 87 19 00-0124 | MO | 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up | 6,725.92 | |
| 02 87 19 00-0125 | EA | Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up<br>Note: Includes staking down tent. | 113.38 | |
| 02 87 19 00-0126 | EA | Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up<br>Note: Includes staking down tent. | 226.76 | |
| 02 87 19 00-0127 | EA | Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up<br>Note: Includes staking down tent. | 680.29 | |
| 02 87 19 00-0128 | EA | Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up<br>Note: Includes staking down tent. | 1,360.58 | |
| 02 87 19 00-0129 | EA | Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up<br>Note: Includes staking down tent. | 2,267.63 | |
| 02 87 19 00-0130 | DAY | Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up | 74.86 | |
| 02 87 19 00-0131 | WK | Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up | 205.86 | |
| 02 87 19 00-0132 | MO | Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up | 561.44 | |
| 02 87 19 00-0133 | | **Bio-Hazard And Infectious Disease Control Hauling By Truck** *(02 87 19)*<br>Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck. | | |
| 02 87 19 00-0134 | EA | Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up<br>Note: Each first 15 miles per trip | 109.55 | |
| | | *For Each Additional Mile Over First 15 Miles, Add Per Mile* | *1.37* | |
| 02 87 19 00-0135 | EA | Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up<br>Note: Each first 15 miles per trip | 160.18 | |
| | | *For Each Additional Mile Over First 15 Miles, Add Per Mile* | *2.00* | |
| 02 87 19 00-0136 | EA | Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up<br>Note: Each first 15 miles per trip | 165.78 | |
| | | *For Each Additional Mile Over First 15 Miles, Add Per Mile* | *2.07* | |
| 02 87 19 00-0137 | EA | Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up<br>Note: Each first 15 miles per trip | 176.74 | |
| | | *For Each Additional Mile Over First 15 Miles, Add Per Mile* | *2.21* | |
| 02 87 19 00-0138 | | **Bio-Hazard And Infectious Disease Control Disposal** *(02 87 19)*<br>Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. | | |
| 02 87 19 00-0139 | CY | Bio-Hazard And Infectious Disease Control Landfill Dump Fee | 57.68 | |
| 02 87 19 00-0140 | | **BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters** *(02 87 19)*<br>Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 87 19 00-0141 | EA | 20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P) | 46,383.35 | |
| 02 87 19 00-0142 | EA | 7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST) | 4,458.99 | |
| 02 87 19 00-0143 | EA | Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04) | 7,377.83 | |
| 02 87 19 00-0144 | SF | Sub Flooring For Medical Shelter (AKS-AB846) | 6.86 | |
| 02 87 19 00-0145 | EA | Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5) | 2,025.06 | |
| 02 87 19 00-0146 | EA | Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5) | 33,167.93 | |
| 02 87 19 00-0147 | EA | 3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915) | 1,156.09 | |
| 02 87 19 00-0148 | EA | Negative Pressure Isolation (NPI) System (AK-NPIS-5)<br>Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case | 52,205.77 | |
| 02 87 19 00-0149 | EA | 6' Step Ladder (AKS-AC595) | 313.22 | |
| 02 87 19 00-0150 | EA | 10 Lb. Sledgehammer (AKS-AA268) | 95.96 | |

### 02 87 19 00-0151 Bio-Hazard And Infectious Disease Time And Material Tasks *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

### 02 87 19 00-0152 Bio-Hazard And Infectious Disease Control Labor *(02 87 19 00-0151)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

| | | | | |
|---|---|---|---|---|
| 02 87 19 00-0153 | HR | General Laborer For Bio-Hazard And Infectious Disease Control Clean Up | 118.79 | |
| 02 87 19 00-0154 | HR | Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up | 130.93 | |
| 02 87 19 00-0155 | HR | Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up | 103.65 | |
| 02 87 19 00-0156 | HR | Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up | 124.63 | |
| 02 87 19 00-0157 | HR | Project Manager For Bio-Hazard And Infectious Disease Control Clean Up | 137.06 | |

### 02 87 19 00-0158 Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment *(02 87 19 00-0151)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

| | | | | |
|---|---|---|---|---|
| 02 87 19 00-0159 | EA | Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment | 11.51 | |
| 02 87 19 00-0160 | EA | Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment | 18.61 | |
| 02 87 19 00-0161 | PR | Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment | 12.06 | |
| 02 87 19 00-0162 | EA | Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment | 129.50 | |
| 02 87 19 00-0163 | EA | Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment | 40.21 | |
| 02 87 19 00-0164 | EA | Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment<br>Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension | 395.08 | |
| 02 87 19 00-0165 | EA | 14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment<br>Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010 | 54.01 | |
| 02 87 19 00-0166 | EA | 19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment<br>Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat. | 98.12 | |
| 02 87 19 00-0167 | BOX | Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment | 20.86 | |
| 02 87 19 00-0168 | EA | Gloves - Rubber (Heavy-Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment | 17.81 | |
| 02 87 19 00-0169 | EA | Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment<br>Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75-Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly | 2,640.77 | |

### 02 87 19 00-0170 Bio-Hazard And Infectious Disease Control Expendables *(02 87 19 00-0151)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0010 for temporary sheeting, 01 56 16 00-0042 for temporary walls.

| | | | | |
|---|---|---|---|---|
| 02 87 19 00-0171 | GAL | Bleach For Bio-Hazard And Infectious Disease Control Clean-up | 8.97 | |
| 02 87 19 00-0172 | EA | N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up | 4.34 | |
| 02 87 19 00-0173 | GAL | Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Clean Up | 87.93 | |
| 02 87 19 00-0174 | GAL | Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up<br>Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days | 359.84 | |
| 02 87 19 00-0175 | QT | Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up | 9.21 | |
| 02 87 19 00-0176 | EA | Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up | 5.76 | |
| 02 87 19 00-0177 | ROL | Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up | 11.44 | |
| 02 87 19 00-0178 | EA | UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up | 78.62 | |
| 02 87 19 00-0179 | ROL | Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up | 46.12 | |
| 02 87 19 00-0180 | LB | Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up | 6.72 | |
| 02 87 19 00-0181 | EA | Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up | 18.00 | |
| 02 87 19 00-0182 | ROL | 6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up | 141.99 | |

## 02 89 Hazmat Ancillary Tasks and Support *(02 80)*

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| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 89 00 00-0001 | | **Barriers And Protection** *(02 89)*<br>Note: Includes removal and disposal after use. | | |
| 02 89 00 00-0002 | | **Isolation Barriers** *(02 89 00 00-0001)*<br>See CSI section 01 56 16 00-0042 for temporary stud walls. | | |
| 02 89 00 00-0003 | | **Hazmat Containment Construction Plastic Sheeting** *(02 89 00 00-0001)* | | |
| 02 89 00 00-0004 | SF | 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction | 0.54 | |
| 02 89 00 00-0005 | SF | 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction | 0.71 | |
| 02 89 00 00-0006 | SF | 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction | 0.95 | |
| 02 89 00 00-0007 | SF | 6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction | 0.67 | |
| 02 89 00 00-0008 | SF | 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction | 0.84 | |
| 02 89 00 00-0009 | SF | 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction | 1.09 | |
| 02 89 00 00-0010 | EA | Up To 36 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction | 140.32 | |
| 02 89 00 00-0011 | EA | >36 To 72 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction | 272.76 | |
| 02 89 00 00-0012 | EA | >72 To 144 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction | 534.57 | |
| 02 89 00 00-0013 | LF | Caulk Seams With Latex, Hazmat Containment Construction | 4.88 | |
| 02 89 00 00-0014 | SF | 2 Layers 6 Mil Poly, Protect Carpeted Area, Hazmat Containment Construction | 2.08 | |
| 02 89 00 00-0015 | | **Decontamination Chambers** *(02 89)*<br>Note: Includes removal after use. | | |
| 02 89 00 00-0016 | EA | 3 Stage Portable Personnel Decontamination Wash Facility<br>Note: Includes connection to negative air system. | 1,003.48 | |
| 02 89 00 00-0017 | EA | 5 Stage Portable Personnel Decontamination Wash Facility<br>Note: Includes connection to negative air system. | 1,181.83 | |
| 02 89 00 00-0018 | EA | Portable Waste Decontamination Unit<br>Note: Includes connection to negative air system. | 605.18 | |
| | | *For Dismantling And Relocation To A Different Area, Add* | *374.64* | |

# 02 90 Disaster Recovery *(02)*

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

## 02 90 50 Cleaning and Disaster Clean-up *(02 90)*

| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 90 50 00-0001 | | **Non-Mold Contaminated Wet Material Removal** *(02 90 50)*<br>Note: For materials not requiring mold abatement. | | |
| 02 90 50 00-0002 | SY | Wet Broadloom Carpet Removal For Disaster Clean-up | 29.30 | |
| 02 90 50 00-0003 | SY | Wet Carpet Tile Removal For Disaster Clean-up | 7.13 | |
| 02 90 50 00-0004 | SF | Wet Batt Insulation Removal For Disaster Clean-up | 0.59 | |
| 02 90 50 00-0005 | SF | Wet Ceiling Tile Removal For Disaster Clean-up | 0.71 | |
| 02 90 50 00-0006 | SF | Single Layer, Wet Gypsum Board Removal For Disaster Clean-up | 0.69 | |
| 02 90 50 00-0007 | SF | Double Layer, Wet Gypsum Board Removal For Disaster Clean-up | 1.09 | |
| 02 90 50 00-0008 | | **Cleaning** *(02 90 50)*<br>Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required | | |
| 02 90 50 00-0009 | | **Clean Furnishings** *(02 90 50 00-0008)* | | |
| 02 90 50 00-0010 | EA | Office Equipment, Exterior Wipe For Disaster Clean-up | 28.40 | |
| | | *For Medium Clean, Add* | *11.93* | |
| | | *For Heavy Clean, Add* | *36.92* | |
| 02 90 50 00-0011 | SF | Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up | 1.58 | |
| | | *For Medium Clean, Add* | *0.66* | |
| | | *For Heavy Clean, Add* | *2.05* | |
| 02 90 50 00-0012 | LF | Shelving, Light Clean For Disaster Clean-up | 2.84 | |
| | | *For Medium Clean, Add* | *1.19* | |
| | | *For Heavy Clean, Add* | *3.69* | |
| 02 90 50 00-0013 | EA | Plastic Or Metal Chair, Light Clean For Disaster Clean-up | 8.20 | |
| | | *For Medium Clean, Add* | *3.44* | |
| | | *For Heavy Clean, Add* | *10.66* | |
| 02 90 50 00-0014 | EA | Upholstered Chair, Light Clean For Disaster Clean-up | 26.51 | |
| | | *For Medium Clean, Add* | *11.13* | |
| | | *For Heavy Clean, Add* | *34.46* | |
| 02 90 50 00-0015 | EA | Upholstered Sofa, Light Clean For Disaster Clean-up | 163.47 | |
| | | *For Medium Clean, Add* | *68.66* | |
| | | *For Heavy Clean, Add* | *212.51* | |
| 02 90 50 00-0016 | EA | Desk, Light Clean For Disaster Clean-up | 33.45 | |
| | | *For Medium Clean, Add* | *14.05* | |
| | | *For Heavy Clean, Add* | *43.49* | |
| 02 90 50 00-0017 | EA | Table, Light Clean For Disaster Clean-up | 31.56 | |
| | | *For Medium Clean, Add* | *13.26* | |
| | | *For Heavy Clean, Add* | *41.03* | |
| 02 90 50 00-0018 | EA | Two Drawer File Cabinet, Light Clean For Disaster Clean-up | 6.92 | |
| | | *For Medium Clean, Add* | *2.91* | |
| | | *For Heavy Clean, Add* | *9.00* | |
| 02 90 50 00-0019 | EA | Four Drawer File Cabinet, Light Clean For Disaster Clean-up | 8.85 | |
| | | *For Medium Clean, Add* | *3.72* | |
| | | *For Heavy Clean, Add* | *11.51* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 90 50 00-0020 | LF | Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up | 7.26 | |
| | | *For Medium Clean, Add* | *3.05* | |
| | | *For Heavy Clean, Add* | *9.44* | |
| 02 90 50 00-0021 | LF | Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up | 14.20 | |
| | | *For Medium Clean, Add* | *5.96* | |
| | | *For Heavy Clean, Add* | *18.46* | |
| 02 90 50 00-0022 | LF | Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up | 7.26 | |
| | | *For Medium Clean, Add* | *3.05* | |
| | | *For Heavy Clean, Add* | *9.44* | |
| 02 90 50 00-0023 | LF | Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up | 12.62 | |
| | | *For Medium Clean, Add* | *5.30* | |
| | | *For Heavy Clean, Add* | *16.41* | |
| 02 90 50 00-0024 | EA | Picture Frame, Glass And Back, Light Clean For Disaster Clean-up | 3.03 | |
| | | *For Medium Clean, Add* | *1.27* | |
| | | *For Heavy Clean, Add* | *3.94* | |

## 02 90 50 00-0025 Clean Hard Surfaces *(02 90 50 00-0008)*

| | | | | |
|---|---|---|---|---|
| 02 90 50 00-0026 | LF | Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up | 0.41 | |
| | | *For Medium Clean, Add* | *0.17* | |
| | | *For Heavy Clean, Add* | *0.53* | |
| 02 90 50 00-0027 | EA | Door And Hardware (Per Side), Light Clean For Disaster Clean-up | 5.37 | |
| | | *For Medium Clean, Add* | *2.26* | |
| | | *For Heavy Clean, Add* | *6.98* | |
| 02 90 50 00-0028 | EA | Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up | 6.08 | |
| | | *For Medium Clean, Add* | *2.55* | |
| | | *For Heavy Clean, Add* | *7.90* | |
| 02 90 50 00-0029 | SF | Overhead Door, Light Clean For Disaster Clean-up | 0.43 | |
| | | *For Medium Clean, Add* | *0.18* | |
| | | *For Heavy Clean, Add* | *0.56* | |
| 02 90 50 00-0030 | SF | Mirror, Light Clean For Disaster Clean-up | 0.32 | |
| | | *For Medium Clean, Add* | *0.13* | |
| | | *For Heavy Clean, Add* | *0.42* | |
| 02 90 50 00-0031 | SF | Window, Light Clean For Disaster Clean-up | 0.93 | |
| | | *For Medium Clean, Add* | *0.39* | |
| | | *For Heavy Clean, Add* | *1.21* | |
| 02 90 50 00-0032 | LF | Handrail, Light Clean For Disaster Clean-up | 0.83 | |
| | | *For Medium Clean, Add* | *0.35* | |
| | | *For Heavy Clean, Add* | *1.08* | |
| 02 90 50 00-0033 | LF | Bumper Rail, Light Clean For Disaster Clean-up | 0.45 | |
| | | *For Medium Clean, Add* | *0.19* | |
| | | *For Heavy Clean, Add* | *0.59* | |
| 02 90 50 00-0034 | SF | Hard Floor, Light Clean For Disaster Clean-up | 0.37 | |
| | | *For Medium Clean, Add* | *0.16* | |
| | | *For Heavy Clean, Add* | *0.48* | |
| 02 90 50 00-0035 | SF | Carpet, Light Clean For Disaster Clean-up | 0.38 | |
| | | *For Medium Clean, Add* | *0.16* | |
| | | *For Heavy Clean, Add* | *0.49* | |
| 02 90 50 00-0036 | SF | Hard Ceiling, Light Clean For Disaster Clean-up | 0.29 | |
| | | *For Medium Clean, Add* | *0.12* | |
| | | *For Heavy Clean, Add* | *0.38* | |
| 02 90 50 00-0037 | SF | Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up | 0.32 | |
| | | *For Medium Clean, Add* | *0.13* | |
| | | *For Heavy Clean, Add* | *0.42* | |
| 02 90 50 00-0038 | SF | Ceramic Tile Wall, Light Clean For Disaster Clean-up | 0.26 | |
| | | *For Medium Clean, Add* | *0.11* | |
| | | *For Heavy Clean, Add* | *0.34* | |
| 02 90 50 00-0039 | SF | Wall, Light Clean For Disaster Clean-up | 0.19 | |
| | | *For Medium Clean, Add* | *0.08* | |
| | | *For Heavy Clean, Add* | *0.25* | |
| 02 90 50 00-0040 | SF | Masonry Wall, Light Clean For Disaster Clean-up | 0.26 | |
| | | *For Medium Clean, Add* | *0.11* | |
| | | *For Heavy Clean, Add* | *0.34* | |
| 02 90 50 00-0041 | EA | Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up<br>Note: Includes removal from site, cleaning, and return. | 66.57 | |
| | | *For Medium Clean, Add* | *27.96* | |
| | | *For Heavy Clean, Add* | *86.54* | |
| 02 90 50 00-0042 | EA | >24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up<br>Note: Includes removal from site, cleaning, and return. | 83.20 | |
| | | *For Medium Clean, Add* | *34.94* | |
| | | *For Heavy Clean, Add* | *108.16* | |
| 02 90 50 00-0043 | EA | >96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up<br>Note: Includes removal from site, cleaning, and return. | 99.84 | |
| | | *For Medium Clean, Add* | *41.93* | |
| | | *For Heavy Clean, Add* | *129.79* | |
| 02 90 50 00-0044 | EA | >140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up<br>Note: Includes removal from site, cleaning, and return. | 116.48 | |
| | | *For Medium Clean, Add* | *48.92* | |
| | | *For Heavy Clean, Add* | *151.42* | |

## 02 90 50 00-0045 Clean Window Treatments *(02 90 50 00-0008)*

| | | | | |
|---|---|---|---|---|
| 02 90 50 00-0046 | SF | Window Blind, Light Clean For Disaster Clean-up | 0.73 | |
| | | *For Medium Clean, Add* | *0.31* | |
| | | *For Heavy Clean, Add* | *0.95* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 90 50 00-0047 | EA | Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up | 1.48 | |
| | | *For Medium Clean, Add* | *0.62* | |
| | | *For Heavy Clean, Add* | *1.92* | |
| 02 90 50 00-0048 | EA | Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up | 1.71 | |
| | | *For Medium Clean, Add* | *0.72* | |
| | | *For Heavy Clean, Add* | *2.22* | |
| 02 90 50 00-0049 | EA | >6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up | 1.55 | |
| | | *For Medium Clean, Add* | *0.65* | |
| | | *For Heavy Clean, Add* | *2.02* | |
| 02 90 50 00-0050 | EA | >6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up | 1.78 | |
| | | *For Medium Clean, Add* | *0.75* | |
| | | *For Heavy Clean, Add* | *2.31* | |
| 02 90 50 00-0051 | EA | >8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up | 1.90 | |
| | | *For Medium Clean, Add* | *0.80* | |
| | | *For Heavy Clean, Add* | *2.47* | |
| 02 90 50 00-0052 | EA | >8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up | 2.19 | |
| | | *For Medium Clean, Add* | *0.92* | |
| | | *For Heavy Clean, Add* | *2.85* | |

## 02 90 50 00-0053 Clean Appliances *(02 90 50 00-0008)*

| | | | | |
|---|---|---|---|---|
| 02 90 50 00-0054 | EA | Microwave Oven, Outside, Light Clean For Disaster Clean-up | 13.08 | |
| | | *For Medium Clean, Add* | *5.49* | |
| | | *For Heavy Clean, Add* | *17.00* | |
| 02 90 50 00-0055 | EA | Refrigerator, Outside, Light Clean For Disaster Clean-up | 30.81 | |
| | | *For Medium Clean, Add* | *12.94* | |
| | | *For Heavy Clean, Add* | *40.05* | |
| 02 90 50 00-0056 | EA | Range, Outside, Light Clean For Disaster Clean-up | 26.63 | |
| | | *For Medium Clean, Add* | *11.18* | |
| | | *For Heavy Clean, Add* | *34.62* | |

## 02 90 50 00-0057 Clean Plumbing *(02 90 50 00-0008)*

| | | | | |
|---|---|---|---|---|
| 02 90 50 00-0058 | EA | Water Heater, Light Clean For Disaster Clean-up | 18.94 | |
| | | *For Medium Clean, Add* | *7.95* | |
| | | *For Heavy Clean, Add* | *24.62* | |
| 02 90 50 00-0059 | EA | Plumbing Fixture, Light Clean For Disaster Clean-up | 19.12 | |
| | | *For Medium Clean, Add* | *8.03* | |
| | | *For Heavy Clean, Add* | *24.86* | |
| 02 90 50 00-0060 | EA | Restroom Accessory, Light Clean For Disaster Clean-up | 8.78 | |
| | | *For Medium Clean, Add* | *3.69* | |
| | | *For Heavy Clean, Add* | *11.41* | |

## 02 90 50 00-0061 Clean HVAC *(02 90 50 00-0008)*

| | | | | |
|---|---|---|---|---|
| 02 90 50 00-0062 | LF | Baseboard Heater, Light Clean For Disaster Clean-up | 5.66 | |
| | | *For Medium Clean, Add* | *2.38* | |
| | | *For Heavy Clean, Add* | *7.36* | |
| 02 90 50 00-0063 | LF | Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up | 15.78 | |
| | | *For Medium Clean, Add* | *6.63* | |
| | | *For Heavy Clean, Add* | *20.51* | |
| 02 90 50 00-0064 | EA | Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up | 60.59 | |
| | | *For Medium Clean, Add* | *25.45* | |
| | | *For Heavy Clean, Add* | *78.77* | |
| 02 90 50 00-0065 | EA | Grille/Register, Light Clean For Disaster Clean-up | 5.68 | |
| | | *For Medium Clean, Add* | *2.39* | |
| | | *For Heavy Clean, Add* | *7.38* | |
| 02 90 50 00-0066 | EA | Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up | 39.34 | |
| | | *For Medium Clean, Add* | *16.52* | |
| | | *For Heavy Clean, Add* | *51.14* | |
| 02 90 50 00-0067 | EA | Furnace, Exterior Wipe, Light Clean For Disaster Clean-up | 35.03 | |
| | | *For Medium Clean, Add* | *14.71* | |
| | | *For Heavy Clean, Add* | *45.54* | |

## 02 90 50 00-0068 Clean Electrical *(02 90 50 00-0008)*

| | | | | |
|---|---|---|---|---|
| 02 90 50 00-0069 | EA | Electric Fan, Light Clean For Disaster Clean-up | 23.36 | |
| | | *For Medium Clean, Add* | *9.81* | |
| | | *For Heavy Clean, Add* | *30.37* | |
| 02 90 50 00-0070 | EA | Ceiling Fan, Light Clean For Disaster Clean-up | 25.25 | |
| | | *For Medium Clean, Add* | *10.61* | |
| | | *For Heavy Clean, Add* | *32.83* | |
| 02 90 50 00-0071 | EA | Ceiling Fan And Light, Light Clean For Disaster Clean-up | 32.82 | |
| | | *For Medium Clean, Add* | *13.78* | |
| | | *For Heavy Clean, Add* | *42.67* | |
| 02 90 50 00-0072 | EA | Ceiling Exhaust Fan, Light Clean For Disaster Clean-up | 23.04 | |
| | | *For Medium Clean, Add* | *9.68* | |
| | | *For Heavy Clean, Add* | *29.95* | |
| 02 90 50 00-0073 | EA | 2' x 4' Light Fixture, Light Clean For Disaster Clean-up | 15.15 | |
| | | *For Medium Clean, Add* | *6.36* | |
| | | *For Heavy Clean, Add* | *19.70* | |
| 02 90 50 00-0074 | EA | Light Fixture, Light Clean For Disaster Clean-up | 6.94 | |
| | | *For Medium Clean, Add* | *2.91* | |
| | | *For Heavy Clean, Add* | *9.02* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 90 50 00-0075 | EA | Smoke Detector, Light Clean For Disaster Clean-up | 5.37 | |
| | | *For Medium Clean, Add* | *2.26* | |
| | | *For Heavy Clean, Add* | *6.98* | |
| 02 90 50 00-0076 | EA | Thermostat, Light Clean For Disaster Clean-up | 1.89 | |
| | | *For Medium Clean, Add* | *0.79* | |
| | | *For Heavy Clean, Add* | *2.46* | |
| 02 90 50 00-0077 | | **Thermal Fog** *(02 90 50 00-0008)* | | |
| 02 90 50 00-0078 | CF | Clean And Deodorize Building With Thermal Fog For Disaster Clean-up | 0.02 | |
| 02 90 50 00-0079 | | **Contents Manipulation** *(02 90 50)* | | |
| 02 90 50 00-0080 | SF | Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up | 0.25 | |
| 02 90 50 00-0081 | SF | Floor Protection, Adhesive Film For Disaster Clean-up | 0.30 | |
| 02 90 50 00-0082 | SF | Move Contents Out And Later Reset For Disaster Clean-up | 0.50 | |
| 02 90 50 00-0083 | MO | 20' Long Job Site Storage Trailer For Disaster Clean-up | 151.93 | |
| 02 90 50 00-0084 | MO | 40' Long Job Site Storage Trailer For Disaster Clean-up | 201.49 | |
| 02 90 50 00-0085 | EA | Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up | 146.80 | |
| 02 90 50 00-0086 | | **Water Disaster Clean-up** *(02 90 50)* | | |
| 02 90 50 00-0087 | LF | Detach Baseboard For Disaster Clean-up | 0.69 | |
| 02 90 50 00-0088 | LF | Detach And Later Reset Baseboard For Disaster Clean-up | 1.23 | |
| 02 90 50 00-0089 | EA | Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up | 4.53 | |
| 02 90 50 00-0090 | SF | Water Extraction From Floor For Disaster Clean-up | 0.47 | |
| 02 90 50 00-0091 | SF | Gray Water Extraction From Floor For Disaster Clean-up | 0.76 | |
| 02 90 50 00-0092 | SF | Black Water Extraction From Floor For Disaster Clean-up | 1.20 | |
| 02 90 50 00-0093 | SF | Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up | 0.38 | |
| 02 90 50 00-0094 | SF | Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up | 0.44 | |
| 02 90 50 00-0095 | SF | Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up | 0.67 | |
| 02 90 50 00-0096 | SF | Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up | 0.98 | |
| 02 90 50 00-0097 | SF | Tear Out Vinyl Flooring For Disaster Clean-up | 0.93 | |
| 02 90 50 00-0098 | SF | Tear Out Vinyl Flooring, Black Water For Disaster Clean-up | 1.36 | |
| 02 90 50 00-0099 | SF | Tear Out Wood Flooring, Black Water For Disaster Clean-up | 3.51 | |
| 02 90 50 00-0100 | SF | Tear Out Laminated Wood Flooring For Disaster Clean-up | 1.72 | |
| 02 90 50 00-0101 | SF | Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up | 2.53 | |
| 02 90 50 00-0102 | SF | Tear Out Wet Ceiling Tile For Disaster Clean-up | 0.29 | |
| 02 90 50 00-0103 | SF | Tear Out Batt Insulation For Disaster Clean-up | 0.29 | |
| 02 90 50 00-0104 | SF | Tear Out Wet Gypsum Board For Disaster Clean-up | 0.49 | |
| 02 90 50 00-0105 | SF | Apply Anti-microbial Agent For Disaster Clean-up | 0.29 | |
| 02 90 50 00-0106 | SF | High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up | 0.37 | |
| 02 90 50 00-0107 | | **Board Up And Tarp Up** *(02 90 50)* | | |
| 02 90 50 00-0108 | SF | Polyethylene Tarp On Roof For Disaster Clean-up | 0.24 | |
| 02 90 50 00-0109 | SF | 1/2" Temporary Plywood On Roof For Disaster Clean-up | 1.49 | |
| 02 90 50 00-0110 | SF | 5/8" Temporary Plywood On Roof For Disaster Clean-up | 1.81 | |
| 02 90 50 00-0111 | SF | 3/4" Temporary Plywood On Roof For Disaster Clean-up | 1.98 | |
| 02 90 50 00-0112 | SF | 1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up | 1.87 | |
| 02 90 50 00-0113 | SF | 5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up | 2.19 | |
| 02 90 50 00-0114 | SF | 3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up | 2.36 | |
| 02 90 50 00-0115 | | **Minimum Charges** *(02 90 50)* | | |
| 02 90 50 00-0116 | EA | Disaster Cleaning Minimum Charge | 1,447.55 | |
| 02 90 50 00-0117 | EA | Disaster Water Extraction Minimum Charge | 279.05 | |
| 02 90 50 00-0118 | EA | Disaster Carpet Cleaning Minimum Charge | 195.62 | |
| 02 90 50 00-0119 | | **Document Restoration** *(02 90 50)* | | |
| 02 90 50 00-0120 | EA | Book Rebinding, Each For Document Restoration | 101.02 | |
| 02 90 50 00-0121 | EA | Book Recasing, Each For Document Restoration | 50.50 | |
| 02 90 50 00-0122 | EA | Boxes-MCS, 1.2 CF For Document Restoration | 9.41 | |
| 02 90 50 00-0123 | EA | Boxes-MCS, 2.0 CF For Document Restoration | 10.38 | |
| 02 90 50 00-0124 | EA | Boxes Bankers For Document Restoration | 16.14 | |
| 02 90 50 00-0125 | EA | Boxes Standard Packout For Document Restoration | 6.02 | |
| 02 90 50 00-0126 | EA | Boxes X Ray For Document Restoration | 10.11 | |
| 02 90 50 00-0127 | EA | CD Scanning and Diagnostics, Each For Document Restoration | 10.11 | |
| 02 90 50 00-0128 | EA | Cleaning Antique Books, Each For Document Restoration | 303.05 | |
| 02 90 50 00-0129 | EA | Cleaning Catheter Roll, Per Roll For Document Restoration | 40.40 | |
| 02 90 50 00-0130 | EA | Cleaning CD And DVD, Per Disc For Document Restoration | 4.06 | |
| 02 90 50 00-0131 | EA | Cleaning Level 1 - Blue Prints, Each For Document Restoration | 4.21 | |
| 02 90 50 00-0132 | CF | Cleaning Level 1 - Document Per CF For Document Restoration | 130.36 | |
| 02 90 50 00-0133 | EA | Cleaning Level 1 - Linen, Each For Document Restoration | 4.21 | |
| 02 90 50 00-0134 | EA | Cleaning Level 1 - Mylar, Each For Document Restoration | 4.21 | |
| 02 90 50 00-0135 | EA | Cleaning Level 2 - Blue Print, Each For Document Restoration | 5.23 | |
| 02 90 50 00-0136 | CF | Cleaning Level 2 - Document Per CF For Document Restoration | 195.37 | |
| 02 90 50 00-0137 | EA | Cleaning Level 2 - Linen, Each For Document Restoration | 5.23 | |
| 02 90 50 00-0138 | EA | Cleaning Level 2 - Mylar, Each For Document Restoration | 5.23 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 90 50 00-0139 | EA | Cleaning Level 3 - Blue Prints, Each For Document Restoration | 7.41 | |
| 02 90 50 00-0140 | CF | Cleaning Level 3 - Document Per CF For Document Restoration | 260.68 | |
| 02 90 50 00-0141 | EA | Cleaning Level 3 - Linen, Each For Document Restoration | 7.41 | |
| 02 90 50 00-0142 | EA | Cleaning Level 3 - Mylar, Each For Document Restoration | 7.41 | |
| 02 90 50 00-0143 | EA | Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration | 10.39 | |
| 02 90 50 00-0144 | EA | Cleaning Level 4 - All Fire-Linen, Each For Document Restoration | 10.39 | |
| 02 90 50 00-0145 | EA | Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration | 10.39 | |
| 02 90 50 00-0146 | CF | Cleaning Level 4 - Light Fire-Document Per CF For Document Restoration | 325.79 | |
| 02 90 50 00-0147 | EA | Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration | 11.52 | |
| 02 90 50 00-0148 | CF | Cleaning Level 5 - Severe Fire-Document Per CF For Document Restoration | 488.83 | |
| 02 90 50 00-0149 | EA | Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration | 11.52 | |
| 02 90 50 00-0150 | EA | Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration | 11.52 | |
| 02 90 50 00-0151 | EA | Cleaning Microfiche Sheets, Each For Document Restoration | 4.09 | |
| 02 90 50 00-0152 | EA | Cleaning Microfiche Strips, Each For Document Restoration | 0.95 | |
| 02 90 50 00-0153 | EA | Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration | 101.02 | |
| 02 90 50 00-0154 | EA | Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration | 141.44 | |
| 02 90 50 00-0155 | EA | Cleaning Photographs Negatives, Per Negative For Document Restoration | 4.09 | |
| 02 90 50 00-0156 | EA | Cleaning Photographs, Each For Document Restoration | 0.95 | |
| 02 90 50 00-0157 | EA | Cleaning Record Albums, Each For Document Restoration | 4.06 | |
| 02 90 50 00-0158 | EA | Cleaning VHS And Beta Tapes-In House, Each For Document Restoration | 10.11 | |
| 02 90 50 00-0159 | EA | Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration | 40.40 | |
| 02 90 50 00-0160 | EA | Cleaning X Ray 1-1000, Per Film For Document Restoration | 5.58 | |
| 02 90 50 00-0161 | EA | Cleaning X Ray 1K-5K, Per Film For Document Restoration | 4.76 | |
| 02 90 50 00-0162 | EA | Cleaning X Ray 5K-Up, Per Film For Document Restoration | 3.74 | |
| 02 90 50 00-0163 | EA | Copying Clean Water, Per Page For Document Restoration | 0.54 | |
| 02 90 50 00-0164 | EA | Copying Greywater Fire, Per Page For Document Restoration | 1.09 | |
| 02 90 50 00-0165 | CF | Deodorization, Vapor Tech For Document Restoration | 7.03 | |
| 02 90 50 00-0166 | CF | Disinfectant-Fogging For Document Restoration | 14.17 | |
| 02 90 50 00-0167 | EA | Document Disposal In House No Shredding For Document Restoration | 54.65 | |
| 02 90 50 00-0168 | EA | Document Disposal In House With Shredding For Document Restoration | 14.91 | |
| 02 90 50 00-0169 | CF | Up To 150 CF, Drying-MCS Center For Document Restoration | 181.83 | |
| 02 90 50 00-0170 | CF | >150 To 500 CF, Drying-MCS Center For Document Restoration | 141.44 | |
| 02 90 50 00-0171 | CF | >500 CF, Drying-MCS Center For Document Restoration | 121.22 | |
| 02 90 50 00-0172 | CF | >50 To 150 CF, Drying-MCS Center For Document Restoration | 161.63 | |
| 02 90 50 00-0173 | CF | Up To 500 CF, Drying-Onsite For Document Restoration | 303.05 | |
| 02 90 50 00-0174 | CF | >500 CF, Drying-Onsite For Document Restoration | 185.91 | |
| 02 90 50 00-0175 | EA | Drying Antique Books, Each For Document Restoration | 40.40 | |
| 02 90 50 00-0176 | EA | Drying Blue Prints, Each For Document Restoration | 5.05 | |
| 02 90 50 00-0177 | EA | DVD Scanning And Diagnostics, Each For Document Restoration | 10.11 | |
| 02 90 50 00-0178 | EA | Freeze Drying (In House) For Document Restoration | 135.56 | |
| 02 90 50 00-0179 | EA | Freeze Drying (Outside) For Document Restoration | 116.19 | |
| 02 90 50 00-0180 | EA | Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration | 3,195.22 | |
| 02 90 50 00-0181 | CF | >48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration | 29.05 | |
| 02 90 50 00-0182 | EA | Minimal Drying Jobs For Document Restoration | 1,345.87 | |
| 02 90 50 00-0183 | EA | Monthly Storage For Document Restoration | 225.04 | |
| 02 90 50 00-0184 | EA | Mylar Prints For Document Restoration | 10.11 | |
| 02 90 50 00-0185 | CF | Ozoning For Document Restoration | 6.32 | |
| 02 90 50 00-0186 | CF | Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration | 11.70 | |
| 02 90 50 00-0187 | MO | Stabilization Freezer Storage, Per Page-Per Month For Document Restoration | 0.10 | |
| 02 90 50 00-0188 | EA | Wood Pallets, Each For Document Restoration | 32.51 | |

## 02 90 55 Emergency Clean-up *(02 90)*

02 90 55 00-0001 Emergency Clean-up *(02 90 55)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0002 Emergency Clean-up Labor *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

| | | | | |
|---|---|---|---|---|
| 02 90 55 00-0003 | HR | Skilled Tradesman For Emergency Clean Up | 62.16 | |
| 02 90 55 00-0004 | HR | Restoration / Document Laborer For Emergency Clean Up | 43.51 | |
| 02 90 55 00-0005 | HR | Restoration / Document Supervisor For Emergency Clean Up | 59.83 | |
| 02 90 55 00-0006 | HR | Restoration / Document Project Manager For Emergency Clean Up | 97.90 | |
| 02 90 55 00-0007 | HR | Assistant Project Manager For Emergency Clean Up | 81.58 | |
| 02 90 55 00-0008 | HR | Senior Project Manager For Emergency Clean Up | 114.22 | |
| 02 90 55 00-0009 | HR | Project Director / Document Consultant / Account Manager For Emergency Clean Up | 163.17 | |
| 02 90 55 00-0010 | HR | Equipment Technician For Emergency Clean Up | 119.66 | |
| 02 90 55 00-0011 | HR | Mold Remediation Laborer For Emergency Clean Up | 59.57 | |
| 02 90 55 00-0012 | HR | Mold Remediation Supervisor For Emergency Clean Up | 81.58 | |
| 02 90 55 00-0013 | HR | Administrative Personnel For Emergency Clean Up | 38.07 | |
| 02 90 55 00-0014 | HR | Project Accountant For Emergency Clean Up | 62.16 | |
| 02 90 55 00-0015 | HR | Biohazard Technician For Emergency Clean Up | 86.38 | |
| 02 90 55 00-0016 | HR | Biohazard Supervisor For Emergency Clean Up | 103.86 | |
| 02 90 55 00-0017 | HR | Health And Safety Officer For Emergency Clean Up | 93.24 | |
| 02 90 55 00-0018 | HR | Resource And Logistics Coordinator For Emergency Clean Up | 67.34 | |
| 02 90 55 00-0019 | HR | Loss Control Specialist For Emergency Clean Up | 65.27 | |
| 02 90 55 00-0020 | HR | Moisture Control Specialist For Emergency Clean Up | 53.87 | |
| 02 90 55 00-0021 | HR | Mobilzation Support For Emergency Clean Up | 33.15 | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 90 55 00-0022 | | **Emergency Clean-up Equipment** *(02 90 55 00-0001)*<br>Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections. | | |
| 02 90 55 00-0023 | | **General Emergency Clean-up Equipment** *(02 90 55 00-0022)* | | |
| 02 90 55 00-0024 | DAY | 265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up | 108.38 | |
| 02 90 55 00-0025 | WK | 265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up | 413.44 | |
| 02 90 55 00-0026 | MO | 265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up | 1,131.95 | |
| 02 90 55 00-0027 | DAY | 13" Floor Buffer Rental For Emergency Clean-up | 36.26 | |
| 02 90 55 00-0028 | WK | 13" Floor Buffer Rental For Emergency Clean-up | 81.74 | |
| 02 90 55 00-0029 | MO | 13" Floor Buffer Rental For Emergency Clean-up | 225.64 | |
| 02 90 55 00-0030 | DAY | 17" Floor Buffer Rental For Emergency Clean-up | 56.41 | |
| 02 90 55 00-0031 | WK | 17" Floor Buffer Rental For Emergency Clean-up | 143.90 | |
| 02 90 55 00-0032 | MO | 17" Floor Buffer Rental For Emergency Clean-up | 339.60 | |
| 02 90 55 00-0033 | DAY | Walk Behind Floor Scrubber Rental For Emergency Clean-up | 310.82 | |
| 02 90 55 00-0034 | WK | Walk Behind Floor Scrubber Rental For Emergency Clean-up | 834.62 | |
| 02 90 55 00-0035 | MO | Walk Behind Floor Scrubber Rental For Emergency Clean-up | 2,325.42 | |
| 02 90 55 00-0036 | DAY | Ride-On Floor Scrubber Rental For Emergency Clean-up | 702.23 | |
| 02 90 55 00-0037 | WK | Ride-On Floor Scrubber Rental For Emergency Clean-up | 1,853.43 | |
| 02 90 55 00-0038 | MO | Ride-On Floor Scrubber Rental For Emergency Clean-up | 4,996.21 | |
| 02 90 55 00-0039 | DAY | 4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up | 71.73 | |
| 02 90 55 00-0040 | WK | 4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up | 203.78 | |
| 02 90 55 00-0041 | MO | 4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up | 700.99 | |
| 02 90 55 00-0042 | DAY | 8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up | 66.84 | |
| 02 90 55 00-0043 | WK | 8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up | 179.32 | |
| 02 90 55 00-0044 | MO | 8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up | 464.61 | |
| 02 90 55 00-0045 | DAY | 17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up | 106.94 | |
| 02 90 55 00-0046 | WK | 17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up | 305.17 | |
| 02 90 55 00-0047 | MO | 17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up | 852.92 | |
| 02 90 55 00-0048 | DAY | Truck Mounted Extractor Rental For Emergency Clean-up | 994.41 | |
| 02 90 55 00-0049 | WK | Truck Mounted Extractor Rental For Emergency Clean-up | 2,983.22 | |
| 02 90 55 00-0050 | MO | Truck Mounted Extractor Rental For Emergency Clean-up | 8,949.65 | |
| 02 90 55 00-0051 | DAY | 16" Chain Saw Rental For Emergency Clean-up | 78.25 | |
| 02 90 55 00-0052 | WK | 16" Chain Saw Rental For Emergency Clean-up | 176.06 | |
| 02 90 55 00-0053 | MO | 16" Chain Saw Rental For Emergency Clean-up | 469.50 | |
| 02 90 55 00-0054 | DAY | 20" Chain Saw Rental For Emergency Clean-up | 97.81 | |
| 02 90 55 00-0055 | WK | 20" Chain Saw Rental For Emergency Clean-up | 220.08 | |
| 02 90 55 00-0056 | MO | 20" Chain Saw Rental For Emergency Clean-up | 586.87 | |
| 02 90 55 00-0057 | EA | Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up | 73.36 | |
| 02 90 55 00-0058 | DAY | 14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up | 104.33 | |
| 02 90 55 00-0059 | WK | 14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up | 285.28 | |
| 02 90 55 00-0060 | MO | 14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up | 798.80 | |
| 02 90 55 00-0061 | DAY | 12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up | 127.16 | |
| 02 90 55 00-0062 | WK | 12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up | 432.00 | |
| 02 90 55 00-0063 | MO | 12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up | 823.25 | |
| 02 90 55 00-0064 | DAY | Wet Or Dry Portable Cleaning Unit For Emergency Clean-up | 118.21 | |
| 02 90 55 00-0065 | WK | Wet Or Dry Portable Cleaning Unit For Emergency Clean-up | 325.08 | |
| 02 90 55 00-0066 | MO | Wet Or Dry Portable Cleaning Unit For Emergency Clean-up | 886.59 | |
| 02 90 55 00-0067 | DAY | Extension Cords - 220 Volt For Emergency Clean-up | 40.76 | |
| 02 90 55 00-0068 | DAY | Extension Cords - 220 Volt Converter Box For Emergency Clean-up | 24.45 | |
| 02 90 55 00-0069 | DAY | Demolition Cart, 1 Yard For Emergency Clean-up | 65.21 | |
| 02 90 55 00-0070 | WK | Demolition Cart, 1 Yard For Emergency Clean-up | 179.32 | |
| 02 90 55 00-0071 | MO | Demolition Cart, 1 Yard For Emergency Clean-up | 489.06 | |
| 02 90 55 00-0072 | DAY | Demolition Cart, 1-1/2 Yard For Emergency Clean-up | 81.51 | |
| 02 90 55 00-0073 | WK | Demolition Cart, 1-1/2 Yard For Emergency Clean-up | 224.15 | |
| 02 90 55 00-0074 | MO | Demolition Cart, 1-1/2 Yard For Emergency Clean-up | 611.32 | |
| 02 90 55 00-0075 | EA | Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up | 122.26 | |
| 02 90 55 00-0076 | DAY | Dry-Ice Blasting System For Emergency Clean-up | 1,752.59 | |
| 02 90 55 00-0077 | DAY | Fogger - Mist For Emergency Clean-up | 34.77 | |
| 02 90 55 00-0078 | WK | Fogger - Mist For Emergency Clean-up | 95.61 | |
| 02 90 55 00-0079 | MO | Fogger - Mist For Emergency Clean-up | 260.76 | |
| 02 90 55 00-0080 | DAY | Fogger - Electric Thermal For Emergency Clean-up | 50.07 | |
| 02 90 55 00-0081 | WK | Fogger - Electric Thermal For Emergency Clean-up | 137.68 | |
| 02 90 55 00-0082 | MO | Fogger - Electric Thermal For Emergency Clean-up | 375.50 | |
| 02 90 55 00-0083 | DAY | Fogger - Gas Power Thermal For Emergency Clean-up | 196.82 | |
| 02 90 55 00-0084 | WK | Fogger - Gas Power Thermal For Emergency Clean-up | 541.27 | |
| 02 90 55 00-0085 | MO | Fogger - Gas Power Thermal For Emergency Clean-up | 1,476.18 | |
| 02 90 55 00-0086 | EA | Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up | 165.56 | |
| 02 90 55 00-0087 | WK | Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up | 455.30 | |
| 02 90 55 00-0088 | MO | Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up | 1,241.72 | |
| 02 90 55 00-0089 | DAY | Hand Trucks/Dollies For Emergency Clean-up | 19.56 | |
| 02 90 55 00-0090 | WK | Hand Trucks/Dollies For Emergency Clean-up | 53.80 | |
| 02 90 55 00-0091 | MO | Hand Trucks/Dollies For Emergency Clean-up | 146.72 | |
| 02 90 55 00-0092 | DAY | Heat Gun - Shrink Wrap For Emergency Clean-up | 135.02 | |
| 02 90 55 00-0093 | WK | Heat Gun - Shrinkwrap For Emergency Clean-up | 371.31 | |
| 02 90 55 00-0094 | MO | Heat Gun - Shrinkwrap For Emergency Clean-up | 1,012.67 | |
| 02 90 55 00-0095 | DAY | High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up<br>Note: Includes all filters. | 145.70 | |
| 02 90 55 00-0096 | DAY | Ladder For Emergency Clean-up | 27.71 | |
| 02 90 55 00-0097 | DAY | Lights - Demo, Drop, Stand, String For Emergency Clean-up | 25.03 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 90 55 00-0098 | DAY | Lights - Wobble For Emergency Clean-up | 30.60 | |
| 02 90 55 00-0099 | DAY | Moisture Meter For Emergency Clean-up | 41.72 | |
| 02 90 55 00-0100 | WK | Moisture Meter For Emergency Clean-up | 114.73 | |
| 02 90 55 00-0101 | MO | Moisture Meter For Emergency Clean-up | 312.91 | |
| 02 90 55 00-0102 | DAY | Nail Gun For Emergency Clean-up | 73.36 | |
| 02 90 55 00-0103 | WK | Nail Gun For Emergency Clean-up | 201.74 | |
| 02 90 55 00-0104 | MO | Nail Gun For Emergency Clean-up | 550.19 | |
| 02 90 55 00-0105 | DAY | Ozone Generator For Emergency Clean-up | 173.84 | |
| 02 90 55 00-0106 | DAY | PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up | 97.81 | |
| 02 90 55 00-0107 | DAY | Portable Generator, Up To 7,500 Watt For Emergency Clean-up | 139.07 | |
| 02 90 55 00-0108 | DAY | Pressure Washer, Hot For Emergency Clean-up | 208.61 | |
| 02 90 55 00-0109 | DAY | Pressure Washer, Cold For Emergency Clean-up | 139.07 | |
| 02 90 55 00-0110 | DAY | Scaffolding - Per Section For Emergency Clean-up | 105.96 | |
| 02 90 55 00-0111 | DAY | Small Tools - Tool Box For Emergency Clean-up | 40.76 | |
| 02 90 55 00-0112 | DAY | Soda Blasting Equipment For Emergency Clean-up | 1,739.09 | |
| 02 90 55 00-0113 | DAY | Sprayer - Hudson For Emergency Clean-up | 13.04 | |
| 02 90 55 00-0114 | WK | Sprayer - Hudson For Emergency Clean-up | 35.86 | |
| 02 90 55 00-0115 | MO | Sprayer - Hudson For Emergency Clean-up | 97.81 | |
| 02 90 55 00-0116 | DAY | 0.47 GPM, Airless Paint Sprayer For Emergency Clean-up | 88.10 | |
| 02 90 55 00-0117 | WK | 0.47 GPM, Airless Paint Sprayer For Emergency Clean-up | 259.20 | |
| 02 90 55 00-0118 | MO | 0.47 GPM, Airless Paint Sprayer For Emergency Clean-up | 887.19 | |
| 02 90 55 00-0119 | DAY | 0.60 GPM, Airless Paint Sprayer For Emergency Clean-up | 173.71 | |
| 02 90 55 00-0120 | WK | 0.60 GPM, Airless Paint Sprayer For Emergency Clean-up | 409.47 | |
| 02 90 55 00-0121 | MO | 0.60 GPM, Airless Paint Sprayer For Emergency Clean-up | 1,141.56 | |
| 02 90 55 00-0122 | DAY | 0.80 GPM, Airless Paint Sprayer For Emergency Clean-up | 186.12 | |
| 02 90 55 00-0123 | WK | 0.80 GPM, Airless Paint Sprayer For Emergency Clean-up | 465.31 | |
| 02 90 55 00-0124 | MO | 0.80 GPM, Airless Paint Sprayer For Emergency Clean-up | 1,253.23 | |
| 02 90 55 00-0125 | DAY | Storage Space (Per SF Per Day) For Emergency Clean-up | 4.69 | |
| 02 90 55 00-0126 | DAY | Submersible Pump For Emergency Clean-up | 34.77 | |
| 02 90 55 00-0127 | DAY | Trash Pump - 2" Gas Powered For Emergency Clean-up | 250.24 | |
| 02 90 55 00-0128 | DAY | Vehicle, Pick-up, SUV, Car For Emergency Clean-up | 124.22 | |
| 02 90 55 00-0129 | DAY | Vehicle, Van For Emergency Clean-up | 202.53 | |
| 02 90 55 00-0130 | DAY | 16' Or 24' Box Truck Vehicle For Emergency Clean-up<br>Note: Includes Mileage | 273.37 | |
| 02 90 55 00-0131 | DAY | Trailer - Refrigerated 40' Storage For Emergency Clean-up | 269.14 | |
| 02 90 55 00-0132 | DAY | Utility Trailer For Emergency Clean-up<br>Note: Includes Mileage | 224.14 | |
| 02 90 55 00-0133 | DAY | Truck Mount, Per Wand Extraction For Emergency Clean-up | 1,010.87 | |
| 02 90 55 00-0134 | DAY | High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up | 34.77 | |
| 02 90 55 00-0135 | WK | High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up | 95.61 | |
| 02 90 55 00-0136 | MO | High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up | 260.76 | |
| 02 90 55 00-0137 | DAY | 12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up | 118.21 | |
| 02 90 55 00-0138 | WK | 12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up | 325.08 | |
| 02 90 55 00-0139 | MO | 12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up | 886.59 | |
| 02 90 55 00-0140 | DAY | Vacuum - Upright For Emergency Clean-up | 29.70 | |
| 02 90 55 00-0141 | WK | Vacuum - Upright For Emergency Clean-up | 81.69 | |
| 02 90 55 00-0142 | MO | Vacuum - Upright For Emergency Clean-up | 222.79 | |
| 02 90 55 00-0143 | DAY | 12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up | 50.54 | |
| 02 90 55 00-0144 | WK | 12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up | 125.53 | |
| 02 90 55 00-0145 | MO | 12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up | 301.59 | |
| 02 90 55 00-0146 | DAY | 55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up | 50.54 | |
| 02 90 55 00-0147 | WK | 55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up | 125.53 | |
| 02 90 55 00-0148 | MO | 55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up | 317.89 | |
| 02 90 55 00-0149 | DAY | 17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up | 115.74 | |
| 02 90 55 00-0150 | WK | 17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up | 309.74 | |
| 02 90 55 00-0151 | MO | 17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up | 864.01 | |
| 02 90 55 00-0152 | DAY | Zip Wall Poles (Per 2 Poles) For Emergency Clean-up | 34.77 | |
| 02 90 55 00-0153 | WK | Zip Wall Poles (Per 2 Poles) For Emergency Clean-up | 95.61 | |
| 02 90 55 00-0154 | MO | Zip Wall Poles (Per 2 Poles) For Emergency Clean-up | 260.76 | |
| 02 90 55 00-0155 | DAY | 10' x 10' Canopy For Emergency Clean-up | 102.70 | |
| 02 90 55 00-0156 | WK | 10' x 10' Canopy For Emergency Clean-up | 205.41 | |
| 02 90 55 00-0157 | MO | 10' x 10' Canopy For Emergency Clean-up | 410.81 | |
| 02 90 55 00-0158 | DAY | 10' x 20' Canopy For Emergency Clean-up | 205.41 | |
| 02 90 55 00-0159 | WK | 10' x 20' Canopy For Emergency Clean-up | 410.81 | |
| 02 90 55 00-0160 | MO | 10' x 20' Canopy For Emergency Clean-up | 821.62 | |
| 02 90 55 00-0161 | DAY | 16' x 16' Canopy For Emergency Clean-up | 257.57 | |
| 02 90 55 00-0162 | WK | 16' x 16' Canopy For Emergency Clean-up | 515.14 | |
| 02 90 55 00-0163 | MO | 16' x 16' Canopy For Emergency Clean-up | 1,030.29 | |
| 02 90 55 00-0164 | DAY | 20' x 20' Canopy For Emergency Clean-up | 342.34 | |
| 02 90 55 00-0165 | WK | 20' x 20' Canopy For Emergency Clean-up | 684.68 | |
| 02 90 55 00-0166 | MO | 20' x 20' Canopy For Emergency Clean-up | 1,369.37 | |
| 02 90 55 00-0167 | DAY | 20' x 30' Canopy For Emergency Clean-up | 391.25 | |
| 02 90 55 00-0168 | WK | 20' x 30' Canopy For Emergency Clean-up | 782.50 | |
| 02 90 55 00-0169 | MO | 20' x 30' Canopy For Emergency Clean-up | 1,564.99 | |
| 02 90 55 00-0170 | DAY | 20' x 40' Canopy For Emergency Clean-up | 456.46 | |
| 02 90 55 00-0171 | WK | 20' x 40' Canopy For Emergency Clean-up | 912.91 | |
| 02 90 55 00-0172 | MO | 20' x 40' Canopy For Emergency Clean-up | 1,825.82 | |
| 02 90 55 00-0173 | DAY | First Aid Station For Emergency Clean-up | 246.49 | |
| 02 90 55 00-0174 | WK | First Aid Station For Emergency Clean-up | 677.84 | |
| 02 90 55 00-0175 | MO | First Aid Station For Emergency Clean-up | 1,848.65 | |
| 02 90 55 00-0176 | DAY | Portable Eyewash Station For Emergency Clean-up | 74.86 | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 90 55 00-0177 | WK | Portable Eyewash Station For Emergency Clean-up | 205.86 | |
| 02 90 55 00-0178 | MO | Portable Eyewash Station For Emergency Clean-up | 561.44 | |
| 02 90 55 00-0179 | DAY | 2 Way Radio For Emergency Clean-up | 40.67 | |

## 02 90 55 00-0180 Technical/Electronics Restoration Equipment *(02 90 55 00-0022)*

| | | | | |
|---|---|---|---|---|
| 02 90 55 00-0181 | DAY | Computer - Diagnostic For Emergency Clean-up | 40.76 | |
| 02 90 55 00-0182 | WK | Computer - Diagnostic For Emergency Clean-up | 112.08 | |
| 02 90 55 00-0183 | MO | Computer - Diagnostic For Emergency Clean-up | 305.66 | |
| 02 90 55 00-0184 | DAY | Convection Oven - Large For Emergency Clean-up | 785.83 | |
| 02 90 55 00-0185 | WK | Convection Oven - Large For Emergency Clean-up | 2,161.04 | |
| 02 90 55 00-0186 | MO | Convection Oven - Large For Emergency Clean-up | 5,893.73 | |
| 02 90 55 00-0187 | DAY | Convection Oven - Small For Emergency Clean-up | 146.72 | |
| 02 90 55 00-0188 | WK | Convection Oven - Small For Emergency Clean-up | 403.47 | |
| 02 90 55 00-0189 | MO | Convection Oven - Small For Emergency Clean-up | 1,100.38 | |
| 02 90 55 00-0190 | DAY | Convection Oven - Vacuum For Emergency Clean-up | 1,121.59 | |
| 02 90 55 00-0191 | WK | Convection Oven - Vacuum For Emergency Clean-up | 3,084.36 | |
| 02 90 55 00-0192 | MO | Convection Oven - Vacuum For Emergency Clean-up | 8,411.90 | |
| 02 90 55 00-0193 | DAY | Decontamination Booth For Emergency Clean-up | 927.15 | |
| 02 90 55 00-0194 | WK | Decontamination Booth For Emergency Clean-up | 2,549.67 | |
| 02 90 55 00-0195 | MO | Decontamination Booth For Emergency Clean-up | 6,953.66 | |
| 02 90 55 00-0196 | DAY | DI Water System For Emergency Clean-up | 72.01 | |
| 02 90 55 00-0197 | WK | DI Water System For Emergency Clean-up | 198.03 | |
| 02 90 55 00-0198 | MO | DI Water System For Emergency Clean-up | 540.09 | |
| 02 90 55 00-0199 | DAY | ESD Bench Workstation For Emergency Clean-up | 44.11 | |
| 02 90 55 00-0200 | WK | ESD Bench Workstation For Emergency Clean-up | 121.30 | |
| 02 90 55 00-0201 | MO | ESD Bench Workstation For Emergency Clean-up | 330.81 | |
| 02 90 55 00-0202 | DAY | Heater/Enclosure Control System For Emergency Clean-up | 24.45 | |
| 02 90 55 00-0203 | WK | Heater/Enclosure Control System For Emergency Clean-up | 67.25 | |
| 02 90 55 00-0204 | MO | Heater/Enclosure Control System For Emergency Clean-up | 183.40 | |
| 02 90 55 00-0205 | DAY | Hi-Tech Mobile Cart/Workstation For Emergency Clean-up | 113.42 | |
| 02 90 55 00-0206 | WK | Hi-Tech Mobile Cart/Workstation For Emergency Clean-up | 311.90 | |
| 02 90 55 00-0207 | MO | Hi-Tech Mobile Cart/Workstation For Emergency Clean-up | 850.64 | |
| 02 90 55 00-0208 | DAY | Micro-Blaster/Dust Collector For Emergency Clean-up | 366.80 | |
| 02 90 55 00-0209 | WK | Micro-Blaster/Dust Collector For Emergency Clean-up | 1,008.69 | |
| 02 90 55 00-0210 | MO | Micro-Blaster/Dust Collector For Emergency Clean-up | 2,750.96 | |
| 02 90 55 00-0211 | DAY | Mobile Laboratory For Emergency Clean-up | 1,018.88 | |
| 02 90 55 00-0212 | WK | Mobile Laboratory For Emergency Clean-up | 2,801.91 | |
| 02 90 55 00-0213 | MO | Mobile Laboratory For Emergency Clean-up | 7,641.56 | |
| 02 90 55 00-0214 | DAY | Nitrogen Enclosure Cabinet For Emergency Clean-up | 19.56 | |
| 02 90 55 00-0215 | WK | Nitrogen Enclosure Cabinet For Emergency Clean-up | 53.80 | |
| 02 90 55 00-0216 | MO | Nitrogen Enclosure Cabinet For Emergency Clean-up | 146.72 | |
| 02 90 55 00-0217 | DAY | Odell Cleaning Station For Emergency Clean-up | 570.57 | |
| 02 90 55 00-0218 | WK | Odell Cleaning Station For Emergency Clean-up | 1,569.07 | |
| 02 90 55 00-0219 | MO | Odell Cleaning Station For Emergency Clean-up | 4,279.28 | |
| 02 90 55 00-0220 | DAY | Parts Washer For Emergency Clean-up | 40.76 | |
| 02 90 55 00-0221 | WK | Parts Washer For Emergency Clean-up | 112.08 | |
| 02 90 55 00-0222 | MO | Parts Washer For Emergency Clean-up | 305.66 | |
| 02 90 55 00-0223 | DAY | Ultrasonic Cleaning System For Emergency Clean-up | 337.56 | |
| 02 90 55 00-0224 | WK | Ultrasonic Cleaning System For Emergency Clean-up | 928.28 | |
| 02 90 55 00-0225 | MO | Ultrasonic Cleaning System For Emergency Clean-up | 2,531.67 | |
| 02 90 55 00-0226 | DAY | Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up | 160.68 | |
| 02 90 55 00-0227 | WK | Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up | 441.86 | |
| 02 90 55 00-0228 | MO | Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up | 1,205.08 | |

## 02 90 55 00-0229 Drying/Dehumidification Equipment *(02 90 55 00-0022)*

| | | | | |
|---|---|---|---|---|
| 02 90 55 00-0230 | DAY | 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up<br>Note: Includes 25' high-pressure solution hose and 25' Vacuum hose. | 173.84 | |
| 02 90 55 00-0231 | WK | 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up<br>Note: Includes 25' high-pressure solution hose and 25' Vacuum hose. | 478.06 | |
| 02 90 55 00-0232 | MO | 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up<br>Note: Includes 25' high-pressure solution hose and 25' Vacuum hose. | 1,303.80 | |
| 02 90 55 00-0233 | DAY | 2,200 CFM Centrifugal Air Mover For Emergency Clean-up | 59.36 | |
| 02 90 55 00-0234 | WK | 2,200 CFM Centrifugal Air Mover For Emergency Clean-up | 163.24 | |
| 02 90 55 00-0235 | MO | 2,200 CFM Centrifugal Air Mover For Emergency Clean-up | 445.20 | |
| 02 90 55 00-0236 | DAY | 3,000 CFM Axial Air Mover For Emergency Clean-up | 98.93 | |
| 02 90 55 00-0237 | WK | 3,000 CFM Axial Air Mover For Emergency Clean-up | 272.07 | |
| 02 90 55 00-0238 | MO | 3,000 CFM Axial Air Mover For Emergency Clean-up | 742.00 | |
| 02 90 55 00-0239 | DAY | Injectidry System For Emergency Clean-up | 215.56 | |
| 02 90 55 00-0240 | WK | Injectidry System For Emergency Clean-up | 592.80 | |
| 02 90 55 00-0241 | MO | Injectidry System For Emergency Clean-up | 1,616.72 | |
| 02 90 55 00-0242 | DAY | Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up | 139.07 | |
| 02 90 55 00-0243 | WK | Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up | 382.45 | |
| 02 90 55 00-0244 | MO | Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up | 1,043.04 | |
| 02 90 55 00-0245 | DAY | >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up | 165.56 | |
| 02 90 55 00-0246 | WK | >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up | 455.30 | |
| 02 90 55 00-0247 | MO | >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up | 1,241.72 | |
| 02 90 55 00-0248 | DAY | >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up | 192.05 | |
| 02 90 55 00-0249 | WK | >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up | 528.14 | |
| 02 90 55 00-0250 | MO | >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up | 1,440.39 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 90 55 00-0251 | DAY | Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up | 205.30 | |
| 02 90 55 00-0252 | WK | Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up | 564.57 | |
| 02 90 55 00-0253 | MO | Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up | 1,539.73 | |
| 02 90 55 00-0254 | DAY | Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up | 205.30 | |
| 02 90 55 00-0255 | WK | Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up | 564.57 | |
| 02 90 55 00-0256 | MO | Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up | 1,539.73 | |
| 02 90 55 00-0257 | DAY | D-500 Desiccant Dehumidifier For Emergency Clean-up | 231.79 | |
| 02 90 55 00-0258 | WK | D-500 Desiccant Dehumidifier For Emergency Clean-up | 637.42 | |
| 02 90 55 00-0259 | MO | D-500 Desiccant Dehumidifier For Emergency Clean-up | 1,738.41 | |
| 02 90 55 00-0260 | DAY | D-750 Desiccant Dehumidifier For Emergency Clean-up | 486.75 | |
| 02 90 55 00-0261 | WK | D-750 Desiccant Dehumidifier For Emergency Clean-up | 1,338.57 | |
| 02 90 55 00-0262 | MO | D-750 Desiccant Dehumidifier For Emergency Clean-up | 3,650.65 | |
| 02 90 55 00-0263 | DAY | D-1000 Desiccant Dehumidifier For Emergency Clean-up | 834.44 | |
| 02 90 55 00-0264 | WK | D-1000 Desiccant Dehumidifier For Emergency Clean-up | 2,294.70 | |
| 02 90 55 00-0265 | MO | D-1000 Desiccant Dehumidifier For Emergency Clean-up | 6,258.26 | |
| 02 90 55 00-0266 | DAY | D-1500 Desiccant Dehumidifier For Emergency Clean-up | 1,284.76 | |
| 02 90 55 00-0267 | WK | D-1500 Desiccant Dehumidifier For Emergency Clean-up | 3,533.10 | |
| 02 90 55 00-0268 | MO | D-1500 Desiccant Dehumidifier For Emergency Clean-up | 9,635.74 | |
| 02 90 55 00-0269 | DAY | D-2000 Desiccant Dehumidifier For Emergency Clean-up | 1,284.76 | |
| 02 90 55 00-0270 | WK | D-2000 Desiccant Dehumidifier For Emergency Clean-up | 3,533.10 | |
| 02 90 55 00-0271 | MO | D-2000 Desiccant Dehumidifier For Emergency Clean-up | 9,635.74 | |
| 02 90 55 00-0272 | DAY | D-2250 Desiccant Dehumidifier For Emergency Clean-up | 1,341.72 | |
| 02 90 55 00-0273 | WK | D-2250 Desiccant Dehumidifier For Emergency Clean-up | 3,689.73 | |
| 02 90 55 00-0274 | MO | D-2250 Desiccant Dehumidifier For Emergency Clean-up | 10,062.89 | |
| 02 90 55 00-0275 | DAY | D-3000 Desiccant Dehumidifier For Emergency Clean-up | 1,668.87 | |
| 02 90 55 00-0276 | WK | D-3000 Desiccant Dehumidifier For Emergency Clean-up | 4,589.39 | |
| 02 90 55 00-0277 | MO | D-3000 Desiccant Dehumidifier For Emergency Clean-up | 12,516.52 | |
| 02 90 55 00-0278 | DAY | D-4500 Desiccant Dehumidifier For Emergency Clean-up | 1,877.48 | |
| 02 90 55 00-0279 | WK | D-4500 Desiccant Dehumidifier For Emergency Clean-up | 5,163.07 | |
| 02 90 55 00-0280 | MO | D-4500 Desiccant Dehumidifier For Emergency Clean-up | 14,081.09 | |
| 02 90 55 00-0281 | DAY | D-5000 Desiccant Dehumidifier For Emergency Clean-up | 2,016.55 | |
| 02 90 55 00-0282 | WK | D-5000 Desiccant Dehumidifier For Emergency Clean-up | 5,545.52 | |
| 02 90 55 00-0283 | MO | D-5000 Desiccant Dehumidifier For Emergency Clean-up | 15,124.13 | |
| 02 90 55 00-0284 | DAY | D-9000 Desiccant Dehumidifier For Emergency Clean-up | 2,649.00 | |
| 02 90 55 00-0285 | WK | D-9000 Desiccant Dehumidifier For Emergency Clean-up | 7,284.75 | |
| 02 90 55 00-0286 | MO | D-9000 Desiccant Dehumidifier For Emergency Clean-up | 19,867.50 | |
| 02 90 55 00-0287 | DAY | D-10500 Desiccant Dehumidifier For Emergency Clean-up | 2,781.45 | |
| 02 90 55 00-0288 | WK | D-10500 Desiccant Dehumidifier For Emergency Clean-up | 7,648.99 | |
| 02 90 55 00-0289 | MO | D-10500 Desiccant Dehumidifier For Emergency Clean-up | 20,860.88 | |
| 02 90 55 00-0290 | DAY | 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 660.83 | |
| 02 90 55 00-0291 | WK | 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 1,817.28 | |
| 02 90 55 00-0292 | MO | 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 4,956.23 | |
| 02 90 55 00-0293 | DAY | 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 915.00 | |
| 02 90 55 00-0294 | WK | 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 2,516.24 | |
| 02 90 55 00-0295 | MO | 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 6,862.47 | |
| 02 90 55 00-0296 | DAY | 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 834.44 | |
| 02 90 55 00-0297 | WK | 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 2,294.70 | |
| 02 90 55 00-0298 | MO | 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 6,258.26 | |
| 02 90 55 00-0299 | DAY | 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 1,112.58 | |
| 02 90 55 00-0300 | WK | 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 3,059.60 | |
| 02 90 55 00-0301 | MO | 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 8,344.35 | |
| 02 90 55 00-0302 | DAY | 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 1,877.48 | |
| 02 90 55 00-0303 | WK | 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 5,163.07 | |
| 02 90 55 00-0304 | MO | 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 14,081.09 | |
| 02 90 55 00-0305 | DAY | 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 2,086.09 | |
| 02 90 55 00-0306 | WK | 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 5,736.74 | |
| 02 90 55 00-0307 | MO | 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up | 15,645.66 | |
| 02 90 55 00-0308 | DAY | 25' Flex Duct For Emergency Clean-up | 27.81 | |
| 02 90 55 00-0309 | WK | 25' Flex Duct For Emergency Clean-up | 76.49 | |
| 02 90 55 00-0310 | MO | 25' Flex Duct For Emergency Clean-up | 208.61 | |
| 02 90 55 00-0311 | DAY | Hygrothermograph For Emergency Clean-up | 40.76 | |
| 02 90 55 00-0312 | WK | Hygrothermograph For Emergency Clean-up | 112.08 | |
| 02 90 55 00-0313 | MO | Hygrothermograph For Emergency Clean-up | 305.66 | |
| 02 90 55 00-0314 | DAY | Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up<br>Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution. | 9,567.86 | |
| 02 90 55 00-0315 | WK | Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up<br>Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution. | 26,311.62 | |
| 02 90 55 00-0316 | MO | Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up<br>Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution. | 71,758.97 | |

## 02 90 55 00-0317 Power Equipment *(02 90 55 00-0022)*

| | | | | |
|---|---|---|---|---|
| 02 90 55 00-0318 | WK | Up to 65 KVA Generator For Emergency Clean-up | 1,258.72 | |
| 02 90 55 00-0319 | WK | >65 to 125 KVA Generator For Emergency Clean-up | 2,130.15 | |
| 02 90 55 00-0320 | WK | >125 to 250 KVA Generator For Emergency Clean-up | 2,077.59 | |
| 02 90 55 00-0321 | WK | >250 to 375 KVA Generator For Emergency Clean-up | 3,582.52 | |
| 02 90 55 00-0322 | WK | >375 Up to 440 KVA Generator For Emergency Clean-up | 4,841.25 | |
| 02 90 55 00-0323 | WK | >440 to 625 KVA Generator For Emergency Clean-up | 7,289.80 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 90 55 00-0324 | WK | >625 to 800 KVA Generator For Emergency Clean-up | 7,455.52 | |
| 02 90 55 00-0325 | WK | >800 to 1,000 KVA Generator For Emergency Clean-up | 9,972.98 | |
| 02 90 55 00-0326 | WK | >1,000 to 1,500 KVA Generator For Emergency Clean-up | 15,007.88 | |
| 02 90 55 00-0327 | EA | Generator Cable/Pigtails (Per Section) For Emergency Clean-up | 32.53 | |
| 02 90 55 00-0328 | EA | Sub-Distribution Panel (Spider Box) For Emergency Clean-up | 155.89 | |
| 02 90 55 00-0329 | EA | Electrical Distribution Panel For Emergency Clean-up | 337.56 | |
| 02 90 55 00-0330 | EA | Quad Box Strings (25' Sections) For Emergency Clean-up | 58.58 | |
| 02 90 55 00-0331 | EA | 50' Power Cord For Spider Box For Emergency Clean-up | 54.22 | |
| 02 90 55 00-0332 | EA | Pig Tails (Per Each) For Emergency Clean-up | 4.08 | |
| **02 90 55 00-0333** | | **Freight Charges** *(02 90 55 00-0022)* | | |
| 02 90 55 00-0334 | MI | Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment | 2.04 | |
| 02 90 55 00-0335 | MI | Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment | 3.67 | |
| 02 90 55 00-0336 | MI | Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment | 3.67 | |
| 02 90 55 00-0337 | MI | Freight Tractor Trailer For Emergency Clean-up Equipment | 5.30 | |
| **02 90 55 00-0338** | | **Emergency Clean-up Personal Protection Equipment** *(02 90 55 00-0001)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections. | | |
| 02 90 55 00-0339 | EA | Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment | 11.51 | |
| 02 90 55 00-0340 | EA | Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment | 14.08 | |
| 02 90 55 00-0341 | EA | Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment | 14.76 | |
| 02 90 55 00-0342 | EA | Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment | 18.61 | |
| 02 90 55 00-0343 | EA | Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment | 129.50 | |
| 02 90 55 00-0344 | EA | N95 Respirator For Emergency Clean-up Personal Protection Equipment | 5.04 | |
| 02 90 55 00-0345 | EA | N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment | 5.89 | |
| 02 90 55 00-0346 | PR | 3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment | 39.54 | |
| 02 90 55 00-0347 | EA | Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment | 31.64 | |
| 02 90 55 00-0348 | PR | P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment | 39.54 | |
| 02 90 55 00-0349 | EA | Respirator Cartridge For Emergency Clean-up Personal Protection Equipment | 40.21 | |
| 02 90 55 00-0350 | BOX | Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment | 44.83 | |
| 02 90 55 00-0351 | PR | Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment | 4.05 | |
| 02 90 55 00-0352 | BOX | 5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment | 20.86 | |
| 02 90 55 00-0353 | PR | 4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment | 0.44 | |
| 02 90 55 00-0354 | PR | 5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment | 0.37 | |
| 02 90 55 00-0355 | PR | 17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment | 1.76 | |
| 02 90 55 00-0356 | PR | 15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment | 4.19 | |
| 02 90 55 00-0357 | PR | Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment | 5.74 | |
| 02 90 55 00-0358 | PR | 30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment | 6.43 | |
| 02 90 55 00-0359 | PR | Leather Gloves For Emergency Clean-up Personal Protection Equipment | 10.44 | |
| 02 90 55 00-0360 | EA | Heavy-Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment | 17.81 | |
| 02 90 55 00-0361 | PR | Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment | 12.06 | |
| 02 90 55 00-0362 | PR | Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment | 19.89 | |
| 02 90 55 00-0363 | PR | Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment | 5.28 | |
| 02 90 55 00-0364 | EA | Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment | 6.95 | |
| **02 90 55 00-0365** | | **Emergency Clean-up Expendables** *(02 90 55 00-0001)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections. | | |
| **02 90 55 00-0366** | | **General Materials** *(02 90 55 00-0365)* | | |
| 02 90 55 00-0367 | GAL | Adhesive Remover For Emergency Clean-up | 83.44 | |
| 02 90 55 00-0368 | GAL | Bioside-HS Cleaning Solution For Emergency Clean-up | 27.79 | |
| 02 90 55 00-0369 | GAL | Biocide Mold Cleaning Solution For Emergency Clean-up | 35.46 | |
| 02 90 55 00-0370 | EA | 10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up | 4.40 | |
| 02 90 55 00-0371 | EA | 10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up | 6.68 | |
| 02 90 55 00-0372 | EA | 10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up | 6.68 | |
| 02 90 55 00-0373 | GAL | Bleach For Emergency Clean-up | 8.97 | |
| 02 90 55 00-0374 | EA | Small Stainless Brush For Emergency Clean-up | 7.20 | |
| 02 90 55 00-0375 | EA | 2-1/2 Gallon Buckets For Emergency Clean-up | 6.89 | |
| 02 90 55 00-0376 | EA | 5 Gallon Bucket For Emergency Clean-up | 10.43 | |
| 02 90 55 00-0377 | GAL | Carpet Defoamer For Emergency Clean-up | 26.84 | |
| 02 90 55 00-0378 | GAL | Carpet Pre-treat For Emergency Clean-up | 26.64 | |
| 02 90 55 00-0379 | GAL | Carpet Spotter For Emergency Clean-up | 44.65 | |
| 02 90 55 00-0380 | GAL | Carpet/Upholstery Cleaner For Emergency Clean-up | 36.01 | |
| 02 90 55 00-0381 | ROL | Carpet Masking/Shield For Emergency Clean-up | 111.47 | |
| 02 90 55 00-0382 | EA | Chemical Sponge For Emergency Clean-up | 3.28 | |
| 02 90 55 00-0383 | GAL | Clear Seal For Emergency Clean-up | 112.19 | |
| 02 90 55 00-0384 | GAL | Coil Cleaner For Emergency Clean-up | 76.74 | |
| 02 90 55 00-0385 | EA | Decontamination Chamber For Emergency Clean-up | 333.47 | |
| 02 90 55 00-0386 | GAL | All Purpose Degreaser For Emergency Clean-up | 36.72 | |
| 02 90 55 00-0387 | GAL | Heavy-Duty Degreaser For Emergency Clean-up | 43.69 | |
| 02 90 55 00-0388 | GAL | De-Foamer Liquid For Emergency Clean-up | 48.25 | |
| 02 90 55 00-0389 | EA | Deodorization Membrane For Emergency Clean-up | 93.46 | |
| 02 90 55 00-0390 | GAL | 9-D-9 Smoke Deodorizer For Emergency Clean-up | 144.24 | |
| 02 90 55 00-0391 | LB | Deodorizing Gel For Emergency Clean-up | 33.89 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 90 55 00-0392 | GAL | Deodorizing Liquid For Emergency Clean-up | 49.56 | |
| 02 90 55 00-0393 | PAIL | Deodorizing Block For Emergency Clean-up | 8.52 | |
| 02 90 55 00-0394 | GAL | Disinfectant/Anti-microbial For Emergency Clean-up | 87.93 | |
| 02 90 55 00-0395 | GAL | BruClean Disinfectant For Emergency Clean-up | 39.04 | |
| 02 90 55 00-0396 | GAL | Dryclean For Emergency Clean-up | 38.94 | |
| 02 90 55 00-0397 | GAL | Duct Sealant Spray For Emergency Clean-up | 58.69 | |
| 02 90 55 00-0398 | GAL | Antifungal Duct Sealant For Emergency Clean-up | 84.77 | |
| 02 90 55 00-0399 | GAL | Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up | 130.08 | |
| 02 90 55 00-0400 | PR | Ear Plugs For Emergency Clean-up Personal Protection Equipment | 0.53 | |
| 02 90 55 00-0401 | GAL | Encapsulant For Emergency Clean-up | 118.10 | |
| 02 90 55 00-0402 | GAL | Aftershock Fiberlocke For Emergency Clean-up | 103.70 | |
| 02 90 55 00-0403 | GAL | IAQ 2500 Fiberlocke For Emergency Clean-up | 100.66 | |
| 02 90 55 00-0404 | GAL | IAS 6000 Fiberlocke For Emergency Clean-up | 103.52 | |
| 02 90 55 00-0405 | ROL | Filter Material For Emergency Clean-up | 299.07 | |
| 02 90 55 00-0406 | EA | Blue Paper Collection Bag Filter For Emergency Clean-up | 8.06 | |
| 02 90 55 00-0407 | EA | CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up | 639.66 | |
| 02 90 55 00-0408 | EA | Pre-Filter For Negative Air Machine For Emergency Clean-up | 3.07 | |
| 02 90 55 00-0409 | EA | Pleated Filter For Negative Air Machine For Emergency Clean-up | 13.66 | |
| 02 90 55 00-0410 | EA | Charcoal Filter For Negative Air Machine For Emergency Clean-up | 48.64 | |
| 02 90 55 00-0411 | EA | High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up | 462.65 | |
| 02 90 55 00-0412 | EA | Pleated Dehumidifier Filter For Emergency Clean-up | 12.21 | |
| 02 90 55 00-0413 | GAL | Floor Stripper For Emergency Clean-up | 18.26 | |
| 02 90 55 00-0414 | GAL | Floor Wax For Emergency Clean-up | 26.08 | |
| 02 90 55 00-0415 | GAL | Fogger (Thermal) For Emergency Clean-up | 152.98 | |
| 02 90 55 00-0416 | BOX | Furniture Blocks For Emergency Clean-up | 123.22 | |
| 02 90 55 00-0417 | EA | Furniture Polish, Per 10 Oz Can For Emergency Clean-up | 16.60 | |
| 02 90 55 00-0418 | GAL | Glass Cleaner For Emergency Clean-up | 11.07 | |
| 02 90 55 00-0419 | EA | Goof Off Spray, 12 Oz For Emergency Clean-up | 19.36 | |
| 02 90 55 00-0420 | EA | Halogen Light Bulbs For Emergency Clean-up | 18.62 | |
| 02 90 55 00-0421 | QT | Hand Sanitizer For Emergency Clean-up | 9.21 | |
| 02 90 55 00-0422 | EA | Hard Hats For Emergency Clean-up Personal Protection Equipment | 7.58 | |
| 02 90 55 00-0423 | BOX | Hog Rings, Box Of 2,500 For Emergency Clean-up | 23.59 | |
| 02 90 55 00-0424 | GAL | HVAC Coal Cleaner For Emergency Clean-up | 68.77 | |
| 02 90 55 00-0425 | BOX | Inventory Tag, Box Of 1,000 For Emergency Clean-up | 165.97 | |
| 02 90 55 00-0426 | EA | Utility Knives For Emergency Clean-up | 14.35 | |
| 02 90 55 00-0427 | ROL | 13" Lay Flat Tubing (250' Roll) For Emergency Clean-up | 142.37 | |
| 02 90 55 00-0428 | ROL | 20" Lay Flat Tubing (250' Roll) For Emergency Clean-up | 150.30 | |
| 02 90 55 00-0429 | ROL | 29" Lay Flat Tubing (250' Roll) For Emergency Clean-up | 299.26 | |
| 02 90 55 00-0430 | ROL | 39" Lay Flat Tubing (250' Roll) For Emergency Clean-up | 432.55 | |
| 02 90 55 00-0431 | GAL | Lemon Oil For Emergency Clean-up | 44.50 | |
| 02 90 55 00-0432 | GAL | LPS 1/Mecca Lube For Emergency Clean-up | 47.39 | |
| 02 90 55 00-0433 | GAL | LPS 2 For Emergency Clean-up | 50.16 | |
| 02 90 55 00-0434 | GAL | LPS Contact Cleaner For Emergency Clean-up | 49.92 | |
| 02 90 55 00-0435 | GAL | Light Lubricant Preserve For Emergency Clean-up | 173.25 | |
| 02 90 55 00-0436 | GAL | Heavy Lubricant Preserver For Emergency Clean-up | 26.08 | |
| 02 90 55 00-0437 | GAL | Machinery Cleaning Solvent For Emergency Clean-up | 213.06 | |
| 02 90 55 00-0438 | GAL | Metal Polishing Paste For Emergency Clean-up | 32.07 | |
| 02 90 55 00-0439 | GAL | MediClean® Disinfectant For Emergency Clean-up | 52.71 | |
| 02 90 55 00-0440 | GAL | Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up | 64.70 | |
| 02 90 55 00-0441 | EA | Mop Heads For Emergency Clean-up | 7.90 | |
| 02 90 55 00-0442 | EA | Nylon Scouring Pads For Emergency Clean-up | 1.43 | |
| 02 90 55 00-0443 | GAL | Odor Neutralizer For Emergency Clean-up | 44.65 | |
| 02 90 55 00-0444 | EA | Packing Paper, 25 Lb. Bundle For Emergency Clean-up | 86.31 | |
| 02 90 55 00-0445 | EA | Paint Brushes For Emergency Clean-up | 6.52 | |
| 02 90 55 00-0446 | ROL | Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up | 201.27 | |
| 02 90 55 00-0447 | EA | Putty Knives For Emergency Clean-up | 5.91 | |
| 02 90 55 00-0448 | ROL | Red Resin Paper, 200' Roll For Emergency Clean-up | 43.92 | |
| 02 90 55 00-0449 | GAL | Reodorant For Emergency Clean-up | 110.85 | |
| 02 90 55 00-0450 | GAL | Restoracide For Emergency Clean-up | 52.00 | |
| 02 90 55 00-0451 | GAL | Rust Remover For Emergency Clean-up | 77.88 | |
| 02 90 55 00-0452 | EA | Saltesmo Test Samples For Emergency Clean-up | 7.24 | |
| 02 90 55 00-0453 | EA | Sand Bag For Emergency Clean-up<br>Note: Excludes sand material | 1.90 | |
| 02 90 55 00-0454 | EA | Scotch-Brite 7447, Per Box 50 For Emergency Clean-up | 34.56 | |
| 02 90 55 00-0455 | EA | Small Scrub Brushes For Emergency Clean-up | 16.56 | |
| 02 90 55 00-0456 | GAL | Clear Soot Sealant For Emergency Clean-up | 90.32 | |
| 02 90 55 00-0457 | GAL | Pigmented Soot Sealant For Emergency Clean-up | 243.58 | |
| 02 90 55 00-0458 | ROL | Shrinkwrap Plastic For Emergency Clean-up | 56.07 | |
| 02 90 55 00-0459 | EA | Dry Sponges For Emergency Clean-up | 5.76 | |
| 02 90 55 00-0460 | EA | Spray Adhesive, Per Can For Emergency Clean-up | 5.85 | |
| 02 90 55 00-0461 | EA | Spray Bot./Trigger For Emergency Clean-up | 5.03 | |
| 02 90 55 00-0462 | GAL | Stain Remover For Emergency Clean-up | 40.33 | |
| 02 90 55 00-0463 | GAL | Stainless Steel Cleaner For Emergency Clean-up | 11.02 | |
| 02 90 55 00-0464 | EA | Stainless Steel Polish, Per Can For Emergency Clean-up | 14.46 | |
| 02 90 55 00-0465 | LB | Sweeping Compound For Emergency Clean-up | 0.71 | |
| 02 90 55 00-0466 | ROL | Duct Tape, 2" x 50 YD For Emergency Clean-up | 11.44 | |
| 02 90 55 00-0467 | ROL | Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up | 10.77 | |
| 02 90 55 00-0468 | ROL | HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up | 28.69 | |
| 02 90 55 00-0469 | ROL | Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up | 15.32 | |
| 02 90 55 00-0470 | ROL | Poly Box Tape, 2" x 110 YD For Emergency Clean-up | 4.73 | |
| 02 90 55 00-0471 | LB | Terry Towels For Emergency Clean-up | 6.72 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 02 90 55 00-0472 | GAL | Thermal Fog For Emergency Clean-up | 90.74 | |
| 02 90 55 00-0473 | ROL | 1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up | 35.60 | |
| 02 90 55 00-0474 | ROL | 3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up | 86.40 | |
| 02 90 55 00-0475 | ROL | 4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up | 110.85 | |
| 02 90 55 00-0476 | ROL | 6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up | 141.99 | |
| 02 90 55 00-0477 | EA | Trisodium Phosphate, 20 Lb. Pail For Emergency Clean-up | 47.59 | |
| 02 90 55 00-0478 | EA | Backpack Vacuum Bags For Emergency Clean-up | 1.60 | |
| 02 90 55 00-0479 | EA | Upright Vacuum Bags For Emergency Clean-up | 2.14 | |
| 02 90 55 00-0480 | GAL | Vinyl And Leather Cleaner For Emergency Clean-up | 36.01 | |
| 02 90 55 00-0481 | ROL | 1 Mil Visqueen, 12' x 400', For Emergency Clean-up | 46.12 | |
| 02 90 55 00-0482 | ROL | 4 Mil Visqueen, 32' x 100', For Emergency Clean-up | 125.24 | |
| 02 90 55 00-0483 | ROL | 6 Mil Visqueen, 32' x 400', For Emergency Clean-up | 170.89 | |
| 02 90 55 00-0484 | LB | Wipes, Cotton Cloth For Emergency Clean-up | 4.84 | |
| 02 90 55 00-0485 | ROL | 12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up | 140.66 | |
| 02 90 55 00-0486 | EA | Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up | 18.00 | |
| 02 90 55 00-0487 | EA | Zip Wall Zippers For Emergency Clean-up | 21.35 | |
| 02 90 55 00-0488 | EA | Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll<br>Note: 3.3 gallon volume absorption capacity per roll | 34.77 | |
| 02 90 55 00-0489 | EA | Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100<br>Note: 26 OZ volume absorption capacity per pad | 52.17 | |
| 02 90 55 00-0490 | EA | Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100<br>Note: 33 OZ volume absorption capacity per pad | 54.96 | |
| 02 90 55 00-0491 | EA | Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100<br>Note: 45 OZ volume absorption capacity per pad | 89.74 | |

## 02 90 55 00-0492 Technical/Electronics Restoration Materials *(02 90 55 00-0365)*

| | | | | |
|---|---|---|---|---|
| 02 90 55 00-0493 | EA | Brush - Brass For Emergency Clean-up | 4.89 | |
| 02 90 55 00-0494 | EA | 1" Brush, Natural Bristle For Emergency Clean-up | 1.56 | |
| 02 90 55 00-0495 | EA | 1/2" Brush, Natural Bristle For Emergency Clean-up | 1.30 | |
| 02 90 55 00-0496 | EA | 1/4" Brush, Natural Bristle For Emergency Clean-up | 1.11 | |
| 02 90 55 00-0497 | EA | Brush - Parts For Emergency Clean-up | 6.78 | |
| 02 90 55 00-0498 | EA | Brush - Plastic For Emergency Clean-up | 3.52 | |
| 02 90 55 00-0499 | EA | Brush - Wire Grout For Emergency Clean-up | 9.45 | |
| 02 90 55 00-0500 | EA | Brushing Tool For Emergency Clean-up | 18.23 | |
| 02 90 55 00-0501 | EA | Cleaning Swabs, Cotton For Emergency Clean-up | 0.33 | |
| 02 90 55 00-0502 | EA | Cleaning Swabs, Foam Tip For Emergency Clean-up | 0.39 | |
| 02 90 55 00-0503 | EA | Contact Restorer, Per Can For Emergency Clean-up | 29.65 | |
| 02 90 55 00-0504 | EA | Contact Spray, Per Can For Emergency Clean-up | 20.17 | |
| 02 90 55 00-0505 | UNT | Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up | 3.13 | |
| 02 90 55 00-0506 | UNT | Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up | 8.97 | |
| 02 90 55 00-0507 | UNT | Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up | 11.62 | |
| 02 90 55 00-0508 | LB | Cotton Cleaning Cloths For Emergency Clean-up | 18.34 | |
| 02 90 55 00-0509 | EA | 12" x 17" Dust Cloths For Emergency Clean-up | 0.29 | |
| 02 90 55 00-0510 | EA | 24" x 24" Dust Cloths For Emergency Clean-up | 0.80 | |
| 02 90 55 00-0511 | EA | Deoxidizing Agent, Per Can For Emergency Clean-up | 14.37 | |
| 02 90 55 00-0512 | GAL | Electronic Grade Detergent For Emergency Clean-up | 40.51 | |
| 02 90 55 00-0513 | SHT | Inventory Labels For Emergency Clean-up | 0.22 | |
| 02 90 55 00-0514 | GAL | Isopropyl Alcohol For Emergency Clean-up | 107.34 | |
| 02 90 55 00-0515 | GAL | Lubrication/Penetrating Oil, Per Can For Emergency Clean-up | 174.69 | |
| 02 90 55 00-0516 | GAL | PC Board Detergent For Emergency Clean-up | 83.75 | |
| 02 90 55 00-0517 | GAL | Rust Inhibitor, Regular Duty For Emergency Clean-up | 137.68 | |
| 02 90 55 00-0518 | GAL | Rust Inhibitor, Moderate Duty For Emergency Clean-up | 138.71 | |
| 02 90 55 00-0519 | GAL | Rust Inhibitor, Severe Duty For Emergency Clean-up | 148.27 | |
| 02 90 55 00-0520 | LB | Wipes, Lint Free Cloths For Emergency Clean-up | 7.61 | |
| 02 90 55 00-0521 | EA | Wire Marker Card For Emergency Clean-up | 2.28 | |
| 02 90 55 00-0522 | EA | Steel Wool, 16 Pad Sleeve For Emergency Clean-up | 1.53 | |

**END OF SECTION 02**

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

# 03 Concrete

## 03 01 Maintenance of Concrete *(03)*

### 03 01 20 Maintenance of Concrete Reinforcing *(03 01)*

03 01 20 00-0001 Rebar Coating *(03 01 20)*

| | | | | | |
|---|---|---|---|---|---|
| 03 01 20 00-0002 | SF | 20 Mil Thick, Cementitious Epoxy Resin Compensated 3-Component, Solvent-Free, Coating Material With Corrosion Inhibitor, And Reinforcement Corrosion Protection - Per Coat (Sika® Armatec®-110 EpoCem) | | 2.57 | |

### 03 01 30 Maintenance of Cast-In-Place Concrete *(03 01)*

#### 03 01 30 51 Cleaning of Cast-In-Place Concrete *(03 01 30)*

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*

Note: Includes containment and clean-up of all material. Includes steel ball media.

| | | | | | |
|---|---|---|---|---|---|
| 03 01 30 51-0002 | SF | Concrete Floors, Abrasive Shot (Bead) Blasting | | 3.93 | |
| | | *For Up To 100, Add* | | *3.28* | |
| | | *For >100 To 250, Add* | | *0.82* | |
| | | *For >250 To 500, Add* | | *0.41* | |
| | | *For >5,000 To 10,000, Deduct* | | *-0.08* | |
| | | *For >10,000, Deduct* | | *-0.16* | |
| 03 01 30 51-0003 | SF | Concrete Walls, Abrasive Shot (Bead) Blasting | | 5.57 | |
| | | *For Up To 100, Add* | | *6.56* | |
| | | *For >100 To 250, Add* | | *1.64* | |
| | | *For >250 To 500, Add* | | *0.82* | |
| | | *For >5,000 To 10,000, Deduct* | | *-0.16* | |
| | | *For >10,000, Deduct* | | *-0.33* | |

#### 03 01 30 71 Rehabilitation of Cast-In-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*

03 01 30 71-0002 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0003 Decks Or Floors *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

| | | | | | |
|---|---|---|---|---|---|
| 03 01 30 71-0004 | SF | Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar | | 6.86 | |
| 03 01 30 71-0005 | SF | Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar | | 22.27 | |
| 03 01 30 71-0006 | SF | Patch Decks Or Floors With White Aluminum Oxide Grit (Non-Slip Aggregate) | | 0.62 | |

03 01 30 71-0007 Verticals Or Overheads *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

| | | | | | |
|---|---|---|---|---|---|
| 03 01 30 71-0008 | SF | Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar | | 10.25 | |
| 03 01 30 71-0009 | SF | Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar | | 30.11 | |
| 03 01 30 71-0010 | SF | Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar | | 34.00 | |
| 03 01 30 71-0011 | SF | Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound | | 9.20 | |
| 03 01 30 71-0012 | SF | Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound<br>Note: Rapid Set - WunderFixx | | 16.33 | |

03 01 30 71-0013 Circular Piers *(03 01 30 71-0002)*

| | | | | | |
|---|---|---|---|---|---|
| 03 01 30 71-0014 | SF | Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound | | 12.74 | |
| 03 01 30 71-0015 | SF | Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound<br>Note: Rapid Set - WunderFixx | | 21.99 | |

03 01 30 71-0016 Soffit Repair *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

| | | | | | |
|---|---|---|---|---|---|
| 03 01 30 71-0017 | LF | Up To 16" Wide Concrete Soffit Repair | | 21.15 | |
| 03 01 30 71-0018 | LF | >16" To 20" Wide Concrete Soffit Repair | | 22.14 | |
| 03 01 30 71-0019 | LF | >20" To 24" Wide Concrete Soffit Repair | | 24.24 | |
| 03 01 30 71-0020 | LF | >24" To 30" Wide Concrete Soffit Repair | | 26.43 | |
| 03 01 30 71-0021 | LF | >30" To 36" Wide Concrete Soffit Repair | | 28.12 | |

03 01 30 71-0022 Edge Repair *(03 01 30 71-0002)*

Note: Includes mesh. Excludes saw cutting, sand blasting and forming.

| | | | | | |
|---|---|---|---|---|---|
| 03 01 30 71-0023 | LF | 2" Spall Concrete Edge Repair | | 21.64 | |
| 03 01 30 71-0024 | LF | 3" Spall Concrete Edge Repair | | 22.68 | |
| 03 01 30 71-0025 | LF | 4" Spall Concrete Edge Repair | | 23.36 | |
| 03 01 30 71-0026 | LF | 6" Spall Concrete Edge Repair | | 24.13 | |
| 03 01 30 71-0027 | LF | 8" Spall Concrete Edge Repair | | 25.47 | |
| 03 01 30 71-0028 | LF | 9" Spall Concrete Edge Repair | | 28.58 | |
| 03 01 30 71-0029 | CF | Patch Edge, Portland Cement Based Repair Material | | 179.28 | |
| 03 01 30 71-0030 | CF | Patch Edge, Rapid Setting Concrete Repair Material | | 246.32 | |
| 03 01 30 71-0031 | CF | Patch Edge, Rapid Setting Polymer Concrete Methyl Methacrylate | | 252.81 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 01 30 71-0032 | CF | Patch Edge, SSI Flex Patch (Other Than Specified) | 503.21 | |
| **03 01 30 71-0033** | | **Concrete Materials** *(03 01 30 71-0002)* | | |
| | | Note: Excludes saw cutting, sand blasting and forming. | | |
| 03 01 30 71-0034 | SF | Sika Ferroguard® 903 | 1.74 | |
| 03 01 30 71-0035 | SF | Sika-Guard 701W | 1.99 | |
| 03 01 30 71-0036 | SF | Sika 550W Pearl Ash | 1.12 | |
| 03 01 30 71-0037 | SF | Sika Top 144 Gray | 2.90 | |
| **03 01 30 71-0038** | | **Bridge Deck Treatment** *(03 01 30 71-0002)* | | |
| 03 01 30 71-0039 | SF | Sweep Bridge Deck | 0.02 | |
| 03 01 30 71-0040 | SF | Clean Bridge Deck | 0.02 | |
| 03 01 30 71-0041 | SF | Treat Bridge Deck With Methacrylate Resin Sealant | 2.30 | |
| **03 01 30 71-0042** | | **Concrete Finishes** *(03 01 30 71-0001)* | | |
| **03 01 30 71-0043** | | **Concrete Patching** *(03 01 30 71-0042)* | | |
| **03 01 30 71-0044** | | **Walls** *(03 01 30 71-0043)* | | |
| 03 01 30 71-0045 | BAG | Sika Top 111 Plus | 178.80 | |
| | | Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 Lb. of 3/8" pea gravel). | | |
| | | *For Up To 10, Add* | *65.81* | |
| | | *For >10 To 25, Add* | *39.49* | |
| | | *For >25 To 50, Add* | *26.32* | |
| | | *For >50 To 75, Add* | *13.16* | |
| 03 01 30 71-0046 | BAG | Sika Grout 212, 50 Lb. Bag | 122.65 | |
| | | Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow. | | |
| | | *For Up To 10, Add* | *41.67* | |
| | | *For >10 To 25, Add* | *25.00* | |
| | | *For >25 To 50, Add* | *16.67* | |
| | | *For >50 To 75, Add* | *8.33* | |
| 03 01 30 71-0047 | EA | Sika Flex 1A, 10.3 Ounce Tube | 41.20 | |
| | | Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint. | | |
| 03 01 30 71-0048 | BAG | Pea Gravel | 31.37 | |
| 03 01 30 71-0049 | BAG | Sika Top 123, 44 Lb. Bag | 182.16 | |
| 03 01 30 71-0050 | BAG | Sika Top 121 Plus Kit | 174.43 | |
| | | Note: SikaTop 121 PLUS is a two component, polymer-modified, leveling and pore sealing mortar. Yield: 0.4 cu. ft./unit. | | |
| 03 01 30 71-0051 | BAG | Sika Top 122 Plus Kit | 193.44 | |
| | | Note: SikaTop 122 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, trowel-grade mortar. Yield: 0.51 cu. ft./ unit mortar; 0.75 cu. ft./unit concrete; (SikaTop 122 + 42 Lb. 3/8" pea gravel). | | |
| 03 01 30 71-0052 | BAG | Sika Top 123 Plus Kit | 190.02 | |
| | | Note: SikaTop 123 PLUS is a two-component, polymer-modified, portland cement, fast-setting, non-sag mortar. Yield: 0.39 cu. ft./unit. | | |
| **03 01 30 71-0053** | | **Crack Repair For Concrete** *(03 01 30 71-0001)* | | |
| **03 01 30 71-0054** | | **Non-Structural Crack Repair For Concrete** *(03 01 30 71-0053)* | | |
| **03 01 30 71-0055** | | **Surface Applied, Non-Structural Crack Repair For Concrete** *(03 01 30 71-0054)* | | |
| | | Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding. | | |
| 03 01 30 71-0056 | LF | Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal) | 7.18 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.74* | |
| 03 01 30 71-0057 | LF | >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal) | 9.39 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.61* | |
| 03 01 30 71-0058 | LF | Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair) | 7.32 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.74* | |
| 03 01 30 71-0059 | LF | >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair) | 9.68 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.61* | |
| 03 01 30 71-0060 | LF | Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant) | 7.85 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.74* | |
| 03 01 30 71-0061 | LF | >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant) | 10.72 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.61* | |
| 03 01 30 71-0062 | LF | Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix) | 8.23 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.74* | |
| 03 01 30 71-0063 | LF | >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix) | 11.48 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 01 30 71-0064 | LF | Up To 1/4" Wide x 1/2" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21) | 6.22 | |
| | | *For V-Grooving Crack With Grinder, Add* | *4.92* | |
| 03 01 30 71-0065 | LF | Up To 1/4" Wide x 1" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21) | 7.45 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.74* | |
| 03 01 30 71-0066 | LF | >1/4" To 1/2" Wide x 1/2" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21) | 7.45 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.74* | |
| 03 01 30 71-0067 | LF | >1/4" To 1/2" Wide x 1" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21) | 9.94 | |
| | | *For V-Grooving Crack With Grinder, Add* | *7.39* | |
| 03 01 30 71-0068 | | **Pressure Injected, Non-Structural Crack Repair For Concrete** *(03 01 30 71-0054)* | | |
| | | Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal. | | |
| 03 01 30 71-0069 | LF | Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570) | 31.68 | |
| | | *For Cracks Accessible From Both Sides, Add* | *6.45* | |
| 03 01 30 71-0070 | | **Structural Crack Repair For Concrete** *(03 01 30 71-0053)* | | |
| 03 01 30 71-0071 | | **Surface Applied, Structural Crack Repair For Concrete** *(03 01 30 71-0070)* | | |
| | | Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal. | | |
| 03 01 30 71-0072 | LF | Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35) | 8.32 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.74* | |
| 03 01 30 71-0073 | LF | >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35) | 11.68 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.61* | |
| 03 01 30 71-0074 | LF | Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52) | 8.12 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.74* | |
| 03 01 30 71-0075 | LF | >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52) | 11.27 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.61* | |
| 03 01 30 71-0076 | LF | Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix) | 9.82 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.74* | |
| 03 01 30 71-0077 | LF | >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix) | 14.67 | |
| | | *For V-Grooving Crack With Grinder, Add* | *5.61* | |
| 03 01 30 71-0078 | | **Pressure Injected, Structural Crack Repair For Concrete** *(03 01 30 71-0070)* | | |
| | | Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal. | | |
| 03 01 30 71-0079 | LF | Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35) | 27.60 | |
| | | *For Cracks Accessible From Both Sides, Add* | *6.45* | |
| 03 01 30 71-0080 | LF | Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52) | 27.39 | |
| | | *For Cracks Accessible From Both Sides, Add* | *6.45* | |
| 03 01 30 71-0081 | | **Surface Applied Epoxy Resin Crack Healer/Penetrating Sealer For Concrete** *(03 01 30 71-0053)* | | |
| | | Note: Excludes preparing substrate by pressure washing or sand blasting, filling cracks with sand, or presure injection of cracks. | | |
| 03 01 30 71-0082 | SF | 2-Component, 100 % Solids, Moisture-Tolerant, Epoxy Crack Healer / Penetrating Sealer (Sika Sikadur®-55 SLV) | 2.65 | |
| 03 01 30 71-0083 | | **Surface Applied Polyurethane Elastomeric Sealant (Sikaflex®-2c NS EZ Mix)** *(03 01 30 71-0053)* | | |
| | | Note: Includes removing all debris and contaminants accessible within the crack using hand tools, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, etc. | | |
| 03 01 30 71-0084 | LF | 1/4" x 1/4" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix) | 2.88 | |
| 03 01 30 71-0085 | LF | 3/8" x 1/4" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix) | 3.04 | |
| 03 01 30 71-0086 | LF | 1/2" x 1/4" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix) | 3.26 | |
| 03 01 30 71-0087 | LF | 3/8" x 3/8" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix) | 3.32 | |
| 03 01 30 71-0088 | LF | 1/2" x 3/8" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix) | 3.60 | |
| 03 01 30 71-0089 | LF | 3/4" x 3/8" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix) | 4.88 | |
| 03 01 30 71-0090 | LF | 1/2" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix) | 4.03 | |
| 03 01 30 71-0091 | LF | 3/4" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix) | 4.60 | |
| 03 01 30 71-0092 | LF | 1" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix) | 5.17 | |
| 03 01 30 71-0093 | LF | 1-1/4" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix) | 5.74 | |
| 03 01 30 71-0094 | LF | 1-1/2" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix) | 6.40 | |
| 03 01 30 71-0095 | | **Carbon Fiber Strengthening System** *(03 01 30 71-0001)* | | |
| | | Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 01 30 71-0096 | SF | Carbon Fiber Strengthening System For Concrete Beams, Per Layer<br>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish. | 81.32 | |
| 03 01 30 71-0097 | SF | Carbon Fiber Strengthening System For Concrete Columns, Per Layer<br>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish. | 72.42 | |
| 03 01 30 71-0098 | SF | Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer<br>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish. | 67.42 | |
| 03 01 30 71-0099 | SF | Carbon Fiber Strengthening System For Concrete Walls, Per Layer<br>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish. | 64.64 | |
| 03 01 30 71-0100 | SF | Carbon Fiber Strengthening System For Concrete Slab, Per Layer<br>Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish. | 60.75 | |
| 03 01 30 71-0101 | | Carbon Fiber Strengthening Fabric (SikaWrap) *(03 01 30 71-0001)* | | |
| 03 01 30 71-0102 | SF | 18 Oz/SY, Uni-Directional, ICC Listed, Carbon Fiber Fabric For Columns (SikaWrap® Hex-103 C) | 61.56 | |
| 03 01 30 71-0103 | SF | 18 Oz/SY, Uni-Directional, ICC Listed, Carbon Fiber Fabric For Ceiling Slabs (SikaWrap® Hex-103 C) | 57.31 | |
| 03 01 30 71-0104 | SF | 18 Oz/SY, Uni-Directional, ICC Listed, Carbon Fiber Fabric For Walls (SikaWrap® Hex-103 C) | 54.94 | |
| 03 01 30 71-0105 | SF | 5 Mil Thick, Water Dispersed, Acrylic, Protective, Anti-Carbonation Coating (Sikagard®-670 W)<br>Note: Adhesive for Carbon fiber warp application | 1.49 | |
| 03 01 30 71-0106 | | High Modulus Carbon Fiber Fabric (V-Wrap™ C200HM) *(03 01 30 71-0001)*<br>Note: V-Wrap C200HM is a unidirectional carbon fiber fabric with fiber oriented in the 0° direction. V-Wrap C200HM system is field laminated using two-part 100% solids and high strength structural adhesives. | | |
| 03 01 30 71-0107 | SF | 17.7 Oz/SY, Uni-Directional, High Modulus Carbon Fiber Fabric For Columns | 71.17 | |
| 03 01 30 71-0108 | SF | 17.7 Oz/SY, Uni-Directional, High Modulus Carbon Fiber Fabric For Ceiling Slabs | 66.92 | |
| 03 01 30 71-0109 | SF | 17.7 Oz/SY, Uni-Directional, High Modulus Carbon Fiber Fabric For Walls | 64.55 | |
| 03 01 30 71-0110 | | Concrete Rehabilitation *(03 01 30 71)* | | |
| 03 01 30 71-0111 | | Corrosive Inhibitor *(03 01 30 71-0110)* | | |
| 03 01 30 71-0112 | SF | Corrosive Inhibitor | 6.20 | |
| 03 01 30 71-0113 | | Remove Cracked Or Damaged Concrete Surfacing Material *(03 01 30 71)* | | |
| 03 01 30 71-0114 | SF | Removal Of Concrete <3/4" Deep On Vertical Wall Surfaces<br>Note: Excludes patching materials | 19.50 | |
| 03 01 30 71-0115 | SF | Removal Of Concrete 3/4" To 1-1/2" Deep On Vertical Wall Surfaces<br>Note: Excludes patching materials. | 25.84 | |
| 03 01 30 71-0116 | SF | Removal Of Concrete >1-1/2" To 3" Deep On Vertical Wall Surfaces<br>Note: Excludes patching materials. | 32.18 | |
| 03 01 30 71-0117 | SF | Removal Of Concrete >3" To 4" Deep On Vertical Wall Surfaces<br>Note: Excludes patching materials. | 42.90 | |
| 03 01 30 71-0118 | SF | Removal Of Concrete <3/4" Deep On Overhead Surfaces<br>Note: Excludes patching materials | 39.01 | |
| 03 01 30 71-0119 | SF | Removal Of Concrete 3/4" To 1-1/2" Deep On Overhead Surfaces<br>Note: Excludes patching materials. | 51.69 | |
| 03 01 30 71-0120 | SF | Removal Of Concrete >1-1/2" To 3" Deep On Overhead Surfaces<br>Note: Excludes patching materials. | 64.36 | |
| 03 01 30 71-0121 | SF | Removal Of Concrete >3" To 4" Deep On Overhead Surfaces.<br>Note: Excludes patching materials. | 85.81 | |
| **03 01 30 72** | | **Strengthening Of Cast-in-Place Concrete** *(03 01 30)* | | |
| 03 01 30 72-0001 | | Concrete Surface Repairs *(03 01 30 72)* | | |
| 03 01 30 72-0002 | SF | Sound The Concrete Surface To Locate Delaminated Areas | 0.38 | |

# 03 05 Common Work Results For Concrete *(03)*

## 03 05 13 Concrete Admixtures *(03 05)*

| | | | | |
|---|---|---|---|---|
| 03 05 13 00-0001 | | Concrete Admixtures *(03 05 13)* | | |
| 03 05 13 00-0002 | CY | Low Range Water Reducing (LRWR), Type A Concrete Admixture | 8.13 | |
| 03 05 13 00-0003 | CY | Set Retarding, Type B Concrete Admixture | 5.63 | |
| 03 05 13 00-0004 | CY | 1% Calcium Chloride Accelerating, Type C Concrete Admixture | 8.76 | |
| 03 05 13 00-0005 | CY | 2% Calcium Chloride Accelerating, Type C Concrete Admixture | 17.52 | |
| 03 05 13 00-0006 | CY | 1% Non-Chloride Accelerating, Type C Concrete Admixture | 15.64 | |
| 03 05 13 00-0007 | CY | 2% Non-Chloride Accelerating, Type C Concrete Admixture | 31.29 | |
| 03 05 13 00-0008 | CY | 1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture | 6.76 | |
| 03 05 13 00-0009 | CY | 2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture | 13.18 | |
| 03 05 13 00-0010 | CY | 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture | 9.39 | |
| 03 05 13 00-0011 | CY | 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture | 18.77 | |
| 03 05 13 00-0012 | CY | Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture | 6.26 | |
| 03 05 13 00-0013 | CY | High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture | 15.02 | |
| 03 05 13 00-0014 | CY | 1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture | 13.35 | |
| 03 05 13 00-0015 | CY | 1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture | 20.02 | |
| 03 05 13 00-0016 | CY | 25 Lb./CY Steel Fibers, Concrete Admixture | 44.88 | |
| 03 05 13 00-0017 | CY | 10% Microsilica (Silica Fume), Concrete Admixture | 100.12 | |
| 03 05 13 00-0018 | CY | Corrosion Inhibiting Concrete Admixture | 37.54 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 05 13 00-0019 | CY | Winter Service Or Heat, Concrete Add | 20.02 | |
| 03 05 13 00-0020 | CY | Chilled Water, Concrete Add | 20.02 | |
| 03 05 13 00-0021 | CY | Subtle Color (See Davis Colors Color Card), Concrete Admixture | 39.57 | |
| 03 05 13 00-0022 | CY | Standard Color (See Davis Colors Color Card), Concrete Admixture | 65.94 | |
| 03 05 13 00-0023 | CY | Premium Color (See Davis Colors Color Card), Concrete Admixture | 126.61 | |
| 03 05 13 00-0024 | CY | Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture | 175.85 | |

# 03 10 Concrete Forming and Accessories *(03)*

## 03 11 Concrete Forming *(03 10)*

### 03 11 13 Structural Cast-In-Place Concrete Forming *(03 11)*

Note: Per square foot of formwork.

#### 03 11 13 00-0001 Wood Formwork *(03 11 13)*

Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

#### 03 11 13 00-0002 Foundation Wood Formwork *(03 11 13 00-0001)*

Note: For foundation work below or at grade.

| | | | |
|---|---|---|---|
| 03 11 13 00-0003 | SF | Continuous Footings Foundation Wood Formwork | 8.21 |
| | | *For <1,000, Add* | *1.54* |
| | | *For Foundations >8' Below Grade, Add* | *1.48* |
| | | *For Curved Formwork, Add* | *2.97* |
| 03 11 13 00-0004 | SF | Pile Cap, Pier Or Spread Footings Foundation Wood Formwork | 9.79 |
| | | *For <1,000, Add* | *1.85* |
| | | *For Foundations >8' Below Grade, Add* | *1.79* |
| | | *For Curved Formwork, Add* | *3.58* |
| 03 11 13 00-0005 | SF | Mat Foundation Wood Formwork | 11.38 |
| | | *For <1,000, Add* | *2.17* |
| | | *For Foundations >8' Below Grade, Add* | *2.11* |
| | | *For Curved Formwork, Add* | *4.23* |
| 03 11 13 00-0006 | SF | Grade Beams Or Duct Bank Foundation Wood Formwork | 9.44 |
| | | *For <1,000, Add* | *1.78* |
| | | *For Foundations >8' Below Grade, Add* | *1.73* |
| | | *For Curved Formwork, Add* | *3.45* |
| 03 11 13 00-0007 | SF | Below Grade Walls Foundation Wood Formwork<br>Note: Excludes footing | 13.36 |
| | | *For <1,000, Add* | *2.52* |
| | | *For Foundations >8' Below Grade, Add* | *2.44* |
| | | *For Curved Formwork, Add* | *4.88* |

#### 03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork *(03 11 13 00-0001)*

| | | | |
|---|---|---|---|
| 03 11 13 00-0009 | LF | Up To 6" High Slab Edge and Block-Out Wood Formwork | 6.35 |
| | | *For Foundations >8' Below Grade, Add* | *1.19* |
| | | *For Curved Formwork, Add* | *2.37* |
| | | *For Up To 250, Add* | *1.21* |
| 03 11 13 00-0010 | LF | >6" To 12" High Slab Edge and Block-Out Wood Formwork | 9.09 |
| | | *For Foundations >8' Below Grade, Add* | *1.65* |
| | | *For Curved Formwork, Add* | *3.30* |
| | | *For Up To 250, Add* | *1.71* |
| 03 11 13 00-0011 | SF | >12" High Slab Edge and Block-Out Wood Formwork | 11.73 |
| | | *For Foundations >8' Below Grade, Add* | *2.14* |
| | | *For Curved Formwork, Add* | *4.28* |
| | | *For <1,000, Add* | *2.21* |

#### 03 11 13 00-0012 Column Wood Formwork *(03 11 13 00-0001)*

| | | | |
|---|---|---|---|
| 03 11 13 00-0013 | LF | Up To 8" Square Column Wood Formwork | 49.04 |
| 03 11 13 00-0014 | LF | >8" To 12" Square Column Wood Formwork | 71.59 |
| 03 11 13 00-0015 | LF | >12" To 18" Square Column Wood Formwork | 90.04 |
| 03 11 13 00-0016 | LF | >18" To 24" Square Column Wood Formwork | 129.13 |
| 03 11 13 00-0017 | LF | >24" To 36" Square Column Wood Formwork | 185.35 |
| 03 11 13 00-0018 | LF | >36" To 48" Square Column Wood Formwork | 244.93 |

#### 03 11 13 00-0019 Above Grade Wall Wood Formwork *(03 11 13 00-0001)*

| | | | |
|---|---|---|---|
| 03 11 13 00-0020 | SF | Up To 8' High Above Grade Wall Wood Formwork | 14.93 |
| | | *For Curved Formwork, Add* | *5.50* |
| | | *For <1,000, Add* | *2.83* |
| 03 11 13 00-0021 | SF | >8' High Above Grade Wall Wood Formwork | 17.67 |
| | | *For Curved Formwork, Add* | *6.53* |
| | | *For <1,000, Add* | *3.36* |

#### 03 11 13 00-0022 Elevated Beam Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

| | | | |
|---|---|---|---|
| 03 11 13 00-0023 | SF | Bottom of Elevated Beam Wood Formwork | 19.68 |
| | | *For Curved Formwork, Add* | *7.19* |
| | | *For <1,000, Add* | *3.71* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 11 13 00-0024 | SF | Vertical Sides of Elevated Beam Wood Formwork | 12.40 | |
| | | *For Curved Formwork, Add* | *4.59* | |
| | | *For <1,000, Add* | *2.36* | |

## 03 11 13 00-0025 Elevated Slab Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

| | | | | |
|---|---|---|---|---|
| 03 11 13 00-0026 | SF | Elevated Slab Wood Formwork | 11.69 | |
| | | *For <1,000, Add* | *2.13* | |

## 03 11 13 00-0027 Metal Framed Formwork *(03 11 13)*

Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

## 03 11 13 00-0028 Foundation Metal Framed Formwork *(03 11 13 00-0027)*

Note: For foundation work below or at grade.

| | | | | |
|---|---|---|---|---|
| 03 11 13 00-0029 | SF | Continuous Footings Foundation Metal Framed Formwork | 8.20 | |
| | | *For <1,000, Add* | *1.46* | |
| | | *For Foundations >8' Below Grade, Add* | *1.36* | |
| | | *For Curved Formwork, Add* | *2.73* | |
| 03 11 13 00-0030 | SF | Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork | 9.04 | |
| | | *For <1,000, Add* | *1.62* | |
| | | *For Foundations >8' Below Grade, Add* | *1.52* | |
| | | *For Curved Formwork, Add* | *3.05* | |
| 03 11 13 00-0031 | SF | Mat Foundation Metal Framed Formwork | 10.21 | |
| | | *For <1,000, Add* | *1.81* | |
| | | *For Foundations >8' Below Grade, Add* | *1.69* | |
| | | *For Curved Formwork, Add* | *3.37* | |
| 03 11 13 00-0032 | SF | Grade Beams Or Duct Bank Foundation Metal Framed Formwork | 8.62 | |
| | | *For <1,000, Add* | *1.52* | |
| | | *For Foundations >8' Below Grade, Add* | *1.42* | |
| | | *For Curved Formwork, Add* | *2.84* | |
| 03 11 13 00-0033 | SF | Below Grade Walls Foundation Metal Framed Formwork<br>Note: Excludes footing. | 12.95 | |
| | | *For <1,000, Add* | *2.34* | |
| | | *For Foundations >8' Below Grade, Add* | *2.21* | |
| | | *For Curved Formwork, Add* | *4.42* | |

## 03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork *(03 11 13 00-0027)*

| | | | | |
|---|---|---|---|---|
| 03 11 13 00-0035 | LF | Up To 6" High Slab Edge and Block-Out Metal Framed Formwork | 5.59 | |
| | | *For Foundations >8' Below Grade, Add* | *1.08* | |
| | | *For Curved Formwork, Add* | *2.16* | |
| | | *For <250, Add* | *1.09* | |
| 03 11 13 00-0036 | LF | >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork | 7.02 | |
| | | *For Foundations >8' Below Grade, Add* | *1.34* | |
| | | *For Curved Formwork, Add* | *2.68* | |
| | | *For <250, Add* | *1.36* | |
| 03 11 13 00-0037 | SF | >12" High Slab Edge and Block-Out Metal Framed Formwork | 7.79 | |
| | | *For Foundations >8' Below Grade, Add* | *1.48* | |
| | | *For Curved Formwork, Add* | *2.97* | |
| | | *For <1,000, Add* | *1.51* | |

## 03 11 13 00-0038 Column Metal Framed Formwork *(03 11 13 00-0027)*

## 03 11 13 00-0039 Square Columns *(03 11 13 00-0038)*

| | | | |
|---|---|---|---|
| 03 11 13 00-0040 | LF | Up To 12" Square Column Metal Framed Formwork | 51.53 |
| 03 11 13 00-0041 | LF | >12" To 16" Square Column Metal Framed Formwork | 62.53 |
| 03 11 13 00-0042 | LF | >16" To 20" Square Column Metal Framed Formwork | 73.57 |
| 03 11 13 00-0043 | LF | >20" To 24" Square Column Metal Framed Formwork | 87.76 |
| 03 11 13 00-0044 | LF | >24" To 30" Square Column Metal Framed Formwork | 105.88 |
| 03 11 13 00-0045 | LF | >30" To 36" Square Column Metal Framed Formwork | 127.38 |
| 03 11 13 00-0046 | LF | >36" To 48" Square Column Metal Framed Formwork | 163.61 |
| 03 11 13 00-0047 | LF | >48" To 60" Square Column Metal Framed Formwork | 202.16 |

## 03 11 13 00-0048 Round Columns *(03 11 13 00-0038)*

| | | | |
|---|---|---|---|
| 03 11 13 00-0049 | LF | Up To 12" Diameter Column Metal Formwork | 58.05 |
| 03 11 13 00-0050 | LF | >12" To 16" Diameter Column Metal Formwork | 63.97 |
| 03 11 13 00-0051 | LF | >16" To 20" Diameter Column Metal Formwork | 72.80 |
| 03 11 13 00-0052 | LF | >20" To 24" Diameter Column Metal Formwork | 83.73 |
| 03 11 13 00-0053 | LF | >24" To 30" Diameter Column Metal Formwork | 98.11 |
| 03 11 13 00-0054 | LF | >30" To 36" Diameter Column Metal Formwork | 111.81 |
| 03 11 13 00-0055 | LF | >36" To 48" Diameter Column Metal Formwork | 147.75 |
| 03 11 13 00-0056 | LF | >48" To 60" Diameter Column Metal Formwork | 199.72 |

## 03 11 13 00-0057 Above Grade Wall Metal Framed Formwork *(03 11 13 00-0027)*

| | | | | |
|---|---|---|---|---|
| 03 11 13 00-0058 | SF | Up to 8' High Above Grade Wall Metal Framed Formwork | 8.29 | |
| | | *For Curved Formwork, Add* | *2.55* | |
| | | *For <1,000, Add* | *1.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 11 13 00-0059 | SF | >8' High Above Grade Wall Metal Framed Formwork | 10.19 | |
| | | *For Curved Formwork, Add* | *3.09* | |
| | | *For <1,000, Add* | *1.71* | |

## 03 11 13 00-0060 Elevated Beam Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

| | | | | |
|---|---|---|---|---|
| 03 11 13 00-0061 | SF | Bottom of Elevated Beam Metal Framed Formwork | 8.23 | |
| | | *For Curved Formwork, Add* | *2.39* | |
| | | *For <1,000, Add* | *1.35* | |
| 03 11 13 00-0062 | SF | Vertical Sides of Elevated Beam Metal Framed Formwork | 6.23 | |
| | | *For Curved Formwork, Add* | *1.88* | |
| | | *For <1,000, Add* | *1.04* | |

## 03 11 13 00-0063 Elevated Slab Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

| | | | | |
|---|---|---|---|---|
| 03 11 13 00-0064 | SF | Elevated Slab Metal Framed Formwork | 11.30 | |
| | | *For <1,000, Add* | *1.65* | |

## 03 11 13 00-0065 Fiber Tube Formwork *(03 11 13)*

Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.

## 03 11 13 00-0066 Round Column Fiber Tube Formwork *(03 11 13 00-0065)*

| | | | | |
|---|---|---|---|---|
| 03 11 13 00-0067 | LF | 6" Diameter Round Fiber Tube Formwork | 19.84 | |
| | | *For Plastic Lined, Add* | *0.83* | |
| | | *For Columns >12' In Length, Add* | *1.98* | |
| 03 11 13 00-0068 | LF | 8" Diameter Round Fiber Tube Formwork | 20.99 | |
| | | *For Plastic Lined, Add* | *0.99* | |
| | | *For Columns >12' In Length, Add* | *2.10* | |
| 03 11 13 00-0069 | LF | 10" Diameter Round Fiber Tube Formwork | 23.37 | |
| | | *For Plastic Lined, Add* | *1.19* | |
| | | *For Columns >12' In Length, Add* | *2.34* | |
| 03 11 13 00-0070 | LF | 12" Diameter Round Fiber Tube Formwork | 29.10 | |
| | | *For Plastic Lined, Add* | *2.11* | |
| | | *For Columns >12' In Length, Add* | *2.91* | |
| 03 11 13 00-0071 | LF | 14" Diameter Round Fiber Tube Formwork | 32.79 | |
| | | *For Plastic Lined, Add* | *2.67* | |
| | | *For Columns >12' In Length, Add* | *3.28* | |
| 03 11 13 00-0072 | LF | 16" Diameter Round Fiber Tube Formwork | 35.84 | |
| | | *For Plastic Lined, Add* | *3.33* | |
| | | *For Columns >12' In Length, Add* | *3.58* | |
| 03 11 13 00-0073 | LF | 18" Diameter Round Fiber Tube Formwork | 38.67 | |
| | | *For Plastic Lined, Add* | *3.89* | |
| | | *For Columns >12' In Length, Add* | *3.87* | |
| 03 11 13 00-0074 | LF | 20" Diameter Round Fiber Tube Formwork | 44.30 | |
| | | *For Plastic Lined, Add* | *5.29* | |
| | | *For Columns >12' In Length, Add* | *4.43* | |
| 03 11 13 00-0075 | LF | 22" Diameter Round Fiber Tube Formwork | 46.35 | |
| | | *For Plastic Lined, Add* | *5.51* | |
| | | *For Columns >12' In Length, Add* | *4.64* | |
| 03 11 13 00-0076 | LF | 24" Diameter Round Fiber Tube Formwork | 48.70 | |
| | | *For Plastic Lined, Add* | *5.81* | |
| | | *For Columns >12' In Length, Add* | *4.87* | |
| 03 11 13 00-0077 | LF | 26" Diameter Round Fiber Tube Formwork | 50.76 | |
| | | *For Plastic Lined, Add* | *6.27* | |
| | | *For Columns >12' In Length, Add* | *5.08* | |
| 03 11 13 00-0078 | LF | 28" Diameter Round Fiber Tube Formwork | 52.82 | |
| | | *For Plastic Lined, Add* | *6.73* | |
| | | *For Columns >12' In Length, Add* | *5.28* | |
| 03 11 13 00-0079 | LF | 30" Diameter Round Fiber Tube Formwork | 54.88 | |
| | | *For Plastic Lined, Add* | *7.19* | |
| | | *For Columns >12' In Length, Add* | *5.49* | |
| 03 11 13 00-0080 | LF | 36" Diameter Round Fiber Tube Formwork | 63.68 | |
| | | *For Plastic Lined, Add* | *9.25* | |
| | | *For Columns >12' In Length, Add* | *6.37* | |
| 03 11 13 00-0081 | LF | 42" Diameter Round Fiber Tube Formwork | 101.83 | |
| | | *For Plastic Lined, Add* | *20.28* | |
| | | *For Columns >12' In Length, Add* | *10.18* | |
| 03 11 13 00-0082 | LF | 48" Diameter Round Fiber Tube Formwork | 124.58 | |
| | | *For Plastic Lined, Add* | *26.69* | |
| | | *For Columns >12' In Length, Add* | *12.46* | |
| 03 11 13 00-0083 | LF | 54" Diameter Round Fiber Tube Formwork | 226.99 | |
| | | *For Plastic Lined, Add* | *56.74* | |
| | | *For Columns >12' In Length, Add* | *22.70* | |
| 03 11 13 00-0084 | LF | 60" Diameter Round Fiber Tube Formwork | 253.02 | |
| | | *For Plastic Lined, Add* | *64.04* | |
| | | *For Columns >12' In Length, Add* | *25.30* | |

## 03 11 13 00-0085 Accessories For Formwork *(03 11 13)*

## 03 11 13 00-0086 Keyway Forms, All Materials *(03 11 13 00-0085)*

| | | | | |
|---|---|---|---|---|
| 03 11 13 00-0087 | LF | 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials | 2.21 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 03 11 13 00-0088 Chamfer Strips, All Materials *(03 11 13 00-0085)*

| | | | | |
|---|---|---|---|---|
| 03 11 13 00-0089 | LF | 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials | 2.33 | |
| 03 11 13 00-0090 | LF | 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials | 2.70 | |
| 03 11 13 00-0091 | LF | 1" Wide Chamfer Strips for Concrete Formwork, All Materials | 3.12 | |

### 03 11 13 00-0092 Strip Out Reglets For Concrete Formwork *(03 11 13 00-0085)*

| | | | | |
|---|---|---|---|---|
| 03 11 13 00-0093 | LF | 24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork | 12.06 | |

### 03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal *(03 11 13 00-0085)*

| | | | | |
|---|---|---|---|---|
| 03 11 13 00-0095 | EA | 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal | 14.06 | |
| 03 11 13 00-0096 | EA | 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal | 17.40 | |
| 03 11 13 00-0097 | EA | 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal | 21.08 | |
| 03 11 13 00-0098 | EA | 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal | 24.64 | |
| 03 11 13 00-0099 | EA | 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal | 31.96 | |
| 03 11 13 00-0100 | EA | 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal | 75.71 | |

## 03 11 16 Architectural Cast-In-Place Concrete Forming *(03 11)*

### 03 11 16 13 Concrete Form Liners *(03 11 16)*

### 03 11 16 13-0001 Concrete Form Liners *(03 11 16 13)*

| | | | | |
|---|---|---|---|---|
| 03 11 16 13-0002 | SF | Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork | 5.79 | |
| 03 11 16 13-0003 | SF | Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork | 7.53 | |
| 03 11 16 13-0004 | SF | Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork | 9.89 | |

## 03 11 23 Permanent Stair Forming *(03 11)*

### 03 11 23 00-0001 Stairway Wood Formwork *(03 11 23)*

| | | | | |
|---|---|---|---|---|
| 03 11 23 00-0002 | SF | Cast On Grade Stairway Wood Formwork | 19.00 | |
| | | *For Curved Formwork, Add* | | *7.32* |
| | | *For <1,000, Add* | | *3.71* |
| 03 11 23 00-0003 | SF | Elevated Stairway Wood Formwork | 37.66 | |
| | | Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair. | | |
| | | *For Curved Formwork, Add* | | *14.23* |
| | | *For <1,000, Add* | | *7.25* |

### 03 11 23 00-0004 Stairway Metal Framed Formwork *(03 11 23)*

| | | | | |
|---|---|---|---|---|
| 03 11 23 00-0005 | SF | Cast On Grade Stairway Metal Framed Formwork | 16.36 | |
| | | *For Curved Formwork, Add* | | *6.03* |
| | | *For <1,000, Add* | | *3.10* |
| 03 11 23 00-0006 | SF | Elevated Stairway Metal Framed Formwork | 30.02 | |
| | | Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair. | | |
| | | *For Curved Formwork, Add* | | *11.15* |
| | | *For <1,000, Add* | | *5.72* |

# 03 15 Concrete Accessories *(03 10)*

## 03 15 13 Waterstops *(03 15)*

### 03 15 13 13 Non-Expanding Waterstops *(03 15 13)*

### 03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*

| | | | |
|---|---|---|---|
| 03 15 13 13-0002 | LF | 3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop | 9.09 |
| 03 15 13 13-0003 | LF | 3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop | 10.32 |
| 03 15 13 13-0004 | LF | 3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb | 12.66 |
| 03 15 13 13-0005 | LF | 3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb | 14.02 |
| 03 15 13 13-0006 | LF | 1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop | 22.06 |
| 03 15 13 13-0007 | LF | 3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop | 10.56 |
| 03 15 13 13-0008 | LF | 3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop | 13.04 |
| 03 15 13 13-0009 | LF | 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop | 24.28 |
| 03 15 13 13-0010 | LF | 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb | 18.75 |

### 03 15 13 13-0011 Rubber Waterstops *(03 15 13 13)*

| | | | |
|---|---|---|---|
| 03 15 13 13-0012 | LF | 3/8" Thick x 6" Wide Rubber Dumbbell Waterstop | 9.68 |
| 03 15 13 13-0013 | LF | 3/8" Thick x 9" Wide Rubber Dumbbell Waterstop | 11.09 |
| 03 15 13 13-0014 | LF | 1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb | 10.09 |
| 03 15 13 13-0015 | LF | 1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb | 13.79 |
| 03 15 13 13-0016 | LF | 3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb | 11.48 |
| 03 15 13 13-0017 | LF | 3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb | 14.65 |

### 03 15 13 16 Expanding Waterstops *(03 15 13)*

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 03 15 13 16-0001 | | | **Bentonite Waterstops** *(03 15 13 16)* | | |
| 03 15 13 16-0002 | | LF | 3/4" x 3/8" Bentonite Waterstop | 8.25 | |
| 03 15 13 16-0003 | | LF | 1-1/4" x 1/2" Bentonite Waterstop | 12.95 | |
| 03 15 13 16-0004 | | LF | 1" x 3/4" Bentonite Waterstop | 14.63 | |
| 03 15 13 16-0005 | | LF | 1" x 1" Bentonite Waterstop | 16.73 | |
| **03 15 16** | | | **Concrete Construction Joints** *(03 15)* | | |
| 03 15 16 00-0001 | | | **Poured Expansion Joint** *(03 15 16)* | | |
| 03 15 16 00-0002 | | LF | 1/2" x 1" Plain Asphalt Expansion Joint, Poured | 3.55 | 0.99 |
| | | | *For Installation In Walls, Add* | *1.67* | |
| 03 15 16 00-0003 | | LF | 1" x 2" Plain Asphalt Expansion Joint, Poured | 7.87 | 0.99 |
| | | | *For Installation In Walls, Add* | *1.87* | |
| 03 15 16 00-0004 | | LF | 1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied | 3.79 | 0.99 |
| | | | *For Installation In Walls, Add* | *1.67* | |
| 03 15 16 00-0005 | | LF | 1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied | 8.81 | 0.99 |
| | | | *For Installation In Walls, Add* | *1.87* | |
| 03 15 16 00-0006 | | LF | 1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts | 5.41 | 0.99 |
| | | | *For Installation In Walls, Add* | *1.87* | |
| 03 15 16 00-0007 | | LF | 1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts | 9.85 | 0.99 |
| | | | *For Installation In Walls, Add* | *3.03* | |
| 03 15 16 00-0008 | | LF | 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied | 3.94 | 0.99 |
| | | | *For Installation In Walls, Add* | *1.67* | |
| 03 15 16 00-0009 | | LF | 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant | 4.83 | 0.99 |
| | | | *For Installation In Walls, Add* | *1.67* | |
| 03 15 16 00-0010 | | LF | 1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant | 12.47 | 0.99 |
| | | | *For Installation In Walls, Add* | *1.87* | |
| 03 15 16 00-0011 | | | **Premolded Expansion Joints** *(03 15 16)* | | |
| 03 15 16 00-0012 | | | **Asphalt Saturated Fiber, Premolded Expansion Joints** *(03 15 16 00-0011)* | | |
| 03 15 16 00-0013 | | LF | 1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint | 2.42 | 1.11 |
| 03 15 16 00-0014 | | LF | 1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint | 2.82 | 1.16 |
| 03 15 16 00-0015 | | LF | 1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint | 3.06 | 1.22 |
| 03 15 16 00-0016 | | LF | 1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint | 3.31 | 1.27 |
| 03 15 16 00-0017 | | LF | 3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint | 2.68 | 1.11 |
| 03 15 16 00-0018 | | LF | 3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint | 3.03 | 1.16 |
| 03 15 16 00-0019 | | LF | 3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint | 3.44 | 1.22 |
| 03 15 16 00-0020 | | LF | 3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint | 4.03 | 1.27 |
| 03 15 16 00-0021 | | LF | 1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint | 2.41 | 1.05 |
| 03 15 16 00-0022 | | LF | 1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint | 2.64 | 1.11 |
| 03 15 16 00-0023 | | LF | 1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint | 2.93 | 1.16 |
| 03 15 16 00-0024 | | LF | 1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint | 3.16 | 1.22 |
| 03 15 16 00-0025 | | LF | 1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint | 3.45 | 1.27 |
| 03 15 16 00-0026 | | LF | 1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint | 3.86 | 1.33 |
| 03 15 16 00-0027 | | LF | 1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint | 4.17 | 1.38 |
| 03 15 16 00-0028 | | LF | 1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint | 4.73 | 1.43 |
| 03 15 16 00-0029 | | LF | 3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint | 2.95 | 1.16 |
| 03 15 16 00-0030 | | LF | 3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint | 3.42 | 1.22 |
| 03 15 16 00-0031 | | LF | 3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint | 4.25 | 1.33 |
| 03 15 16 00-0032 | | SF | 1" Asphalt Saturated Fiber, Premolded Expansion Joint | 7.54 | 1.82 |
| 03 15 16 00-0033 | | | **Cork, Premolded Expansion Joints** *(03 15 16 00-0011)* | | |
| 03 15 16 00-0034 | | LF | 1/2" x 4" Cork, Premolded Expansion Joint | 4.42 | 1.16 |
| 03 15 16 00-0035 | | LF | 1/2" x 6" Cork, Premolded Expansion Joint | 4.98 | 1.27 |
| 03 15 16 00-0036 | | LF | 1/2" x 8" Cork, Premolded Expansion Joint | 5.43 | 1.33 |
| 03 15 16 00-0037 | | LF | 1/2" x 10" Cork, Premolded Expansion Joint | 7.80 | 1.38 |
| 03 15 16 00-0038 | | LF | 1/2" x 12" Cork, Premolded Expansion Joint | 8.32 | 1.43 |
| 03 15 16 00-0039 | | SF | 1/2" Cork, Premolded Expansion Joint | 9.09 | 1.82 |
| 03 15 16 00-0040 | | SF | 3/4" Cork, Premolded Expansion Joint | 10.65 | 1.82 |
| 03 15 16 00-0041 | | SF | 1" Cork, Premolded Expansion Joint | 11.37 | 1.82 |
| 03 15 16 00-0042 | | | **Flexible Polyethylene Foam, Premolded Expansion Joints** *(03 15 16 00-0011)* | | |
| 03 15 16 00-0043 | | LF | 1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint | 2.65 | 1.16 |
| 03 15 16 00-0044 | | LF | 1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint | 2.76 | 1.22 |
| 03 15 16 00-0045 | | LF | 1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint | 2.92 | 1.27 |
| 03 15 16 00-0046 | | LF | 1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint | 3.45 | 1.33 |
| 03 15 16 00-0047 | | LF | 1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint | 2.74 | 1.16 |
| 03 15 16 00-0048 | | LF | 1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint | 2.86 | 1.22 |
| 03 15 16 00-0049 | | LF | 1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint | 2.98 | 1.27 |
| 03 15 16 00-0050 | | LF | 1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint | 3.30 | 1.33 |
| 03 15 16 00-0051 | | | **Zip Strip, Premolded Expansion Joints** *(03 15 16 00-0011)* | | |
| 03 15 16 00-0052 | | LF | 1" Zip Strip, Premolded Expansion Joint | 2.68 | 1.16 |
| 03 15 16 00-0053 | | LF | 1-1/2" Zip Strip, Premolded Expansion Joint | 2.95 | 1.22 |
| 03 15 16 00-0054 | | LF | 2" Zip Strip, Premolded Expansion Joint | 3.29 | 1.33 |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **03 15 16 00-0055** | | **Sponge Rubber, Premolded Expansion Joints** *(03 15 16 00-0011)* | | |
| 03 15 16 00-0056 | LF | 1/2" x 4" Sponge Rubber, Premolded Expansion Joint | 4.45 | 1.11 |
| 03 15 16 00-0057 | LF | 1/2" x 6" Sponge Rubber, Premolded Expansion Joint | 5.33 | 1.11 |
| **03 15 16 00-0058** | | **Asphalt Felt Control Joints Or Bond Breaker** *(03 15 16)* | | |
| 03 15 16 00-0059 | SF | Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker | 1.28 | 0.83 |
| | | *>1,250, Deduct* | *-0.06* | |
| 03 15 16 00-0060 | SF | Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker | 1.19 | 0.83 |
| | | *>1,250, Deduct* | *-0.06* | |
| **03 15 16 00-0061** | | **Keyed Cold Expansion And Control Joints** *(03 15 16)* | | |
| **03 15 16 00-0062** | | **24 Gauge Galvanized Steel With Stakes** *(03 15 16 00-0061)* | | |
| 03 15 16 00-0063 | LF | 24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint | 6.35 | |
| 03 15 16 00-0064 | LF | 24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint | 6.47 | |
| 03 15 16 00-0065 | LF | 24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint | 6.71 | |
| 03 15 16 00-0066 | LF | 24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint | 7.12 | |
| 03 15 16 00-0067 | LF | 24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint | 8.96 | |
| **03 15 16 00-0068** | | **Expansion Control Systems** *(03 15 16)* | | |
| **03 15 16 00-0069** | | **Wabo Jeene "FW" Traffic Series Expansion Control System** *(03 15 16 00-0068)* | | |
| | | Note: Jeene® is a patented structural sealing joint system comprised of a neoprene profile, which is air-pressurized and bonded in place with a specially formulated epoxy adhesive. Complete adhesion of the epoxy to the profile and joint wall is achieved due to the air inflation during installation. | | |
| 03 15 16 00-0070 | LF | 1" x 1-1/4" Jeene "FW" Expansion Joint System | 94.40 | 6.67 |
| | | Note: Jeene 25FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation. | | |
| 03 15 16 00-0071 | LF | 1-5/8" x 2" Jeene "FW" Expansion Joint System | 116.79 | 7.57 |
| | | Note: Jeene 40FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation. | | |
| 03 15 16 00-0072 | LF | 2" x 2-1/2" Jeene "FW" Expansion Joint System | 135.50 | 8.34 |
| | | Note: Jeene 50FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation. | | |
| 03 15 16 00-0073 | LF | 2-1/2" x 3-1/4" Jeene "FW" Expansion Joint System | 161.71 | 9.23 |
| | | Note: Jeene 65FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation. | | |
| 03 15 16 00-0074 | LF | 3" x 3-3/4" Jeene "FW" Expansion Joint System | 203.62 | 10.12 |
| | | Note: Jeene 75FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation. | | |
| 03 15 16 00-0075 | LF | 3-7/8" x 5" Jeene "FW" Expansion Joint System | 241.04 | 10.90 |
| | | Note: Jeene 100FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation. | | |
| 03 15 16 00-0076 | LF | 5" x 6-1/8" Jeene "FW" Expansion Joint System | 395.21 | 11.80 |
| | | Note: Jeene 125FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation. | | |
| **03 15 16 00-0077** | | **Wabo ElastoFlex "EFJ" High Impact Load Expansion Joint System** *(03 15 16 00-0068)* | | |
| | | Note: Wabo®ElastoFlex is a watertight continuous membrane system for joints with movements up to four inches in parking decks, loading docks, elevated roadways and other vehicle and forklift traffic. It uses mechanically fastened ethylene propylene diene monomer (EPDM) anchor blocks with molded-in steel inserts to support heavy-duty and high impact loads. The winged flap of the durable elastomeric seal is locked between the anchor block and concrete slab. An epoxy paste bedding adhesive is applied between the winged flap and concrete slab to enhance the product's watertightness. The exposed surfaces are non-metallic and skid resistant while resisting UV deterioration and most chemicals. | | |
| 03 15 16 00-0078 | LF | 1-1/2" ElastoFlex "EFJ" Expansion Joint System | 179.47 | 8.83 |
| | | Note: ElastoFlex EFJ-225 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation. | | |
| 03 15 16 00-0079 | LF | 2-1/2" ElastoFlex "EFJ" Expansion Joint System | 223.05 | 11.04 |
| | | Note: ElastoFlex EFJ-400 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation. | | |
| 03 15 16 00-0080 | LF | 3-3/4" ElastoFlex "EFJ" Expansion Joint System | 280.20 | 13.24 |
| | | Note: ElastoFlex EFJ-600 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation. | | |
| 03 15 16 00-0081 | LF | 1-1/2" ElastoFlex "EFJ-C" Expansion Joint System | 136.64 | 8.83 |
| | | Note: ElastoFlex EFJ-225C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation. | | |
| 03 15 16 00-0082 | LF | 2-1/2" ElastoFlex "EFJ-C" Expansion Joint System | 177.72 | 11.04 |
| | | Note: ElastoFlex EFJ-400C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation. | | |
| 03 15 16 00-0083 | LF | 3-3/4" ElastoFlex "EFJ-C" Expansion Joint System | 237.37 | 13.24 |
| | | Note: ElastoFlex EFJ-600C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 15 16 00-0084 | | **Emseal Seismic Colorseal Expansion Joint System** *(03 15 16 00-0068)*<br>Note: For high-movement and seismic structural expansion joints, panel joints, window perimeter joints, joints around other penetrations of the building envelope such as store-fronts, curtain walls, EIFS panel joints etc, seal shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system. Seal shall combine factory-applied, 15 Shore-A hardness, low-modulus silicone, and a backing of acrylic-impregnated expanding foam into a unified binary sealant system. | | |
| 03 15 16 00-0085 | LF | 1" Seismic Colorseal Expansion Joint System<br>Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation. | 59.35 | 4.45 |
| 03 15 16 00-0086 | LF | 1-1/2" Seismic Colorseal Expansion Joint System<br>Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation. | 88.16 | 5.12 |
| 03 15 16 00-0087 | LF | 2" Seismic Colorseal Expansion Joint System<br>Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation. | 122.09 | 5.79 |
| 03 15 16 00-0088 | LF | 2-1/2" Seismic Colorseal Expansion Joint System<br>Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation. | 151.42 | 6.35 |
| 03 15 16 00-0089 | LF | 3" Seismic Colorseal Expansion Joint System<br>Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation. | 186.64 | 7.01 |
| 03 15 16 00-0090 | LF | 3-1/2" Seismic Colorseal Expansion Joint System<br>Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation. | 230.16 | 7.68 |
| 03 15 16 00-0091 | LF | 4" Seismic Colorseal Expansion Joint System<br>Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation. | 276.23 | 8.34 |
| 03 15 16 00-0092 | LF | 4-1/2" Seismic Colorseal Expansion Joint System<br>Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation. | 317.73 | 8.90 |
| 03 15 16 00-0093 | LF | 5" Seismic Colorseal Expansion Joint System<br>Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation. | 361.26 | 9.57 |
| 03 15 16 00-0094 | | **Emseal Thermaflex Watertight Expansion Joint System** *(03 15 16 00-0068)*<br>Note: Thermaflex consists of extruded thermo-plastic Santoprene rubber sealing glands with punched flanges embedded in a high-strength, flexible, impact-absorbing elastomeric concrete nosing. The thermo-plastic Santoprene sealing glands are heat-weldable making transitions through changes in direction and plane not only practical but watertight. The elastomeric concrete is two-part polyurethane reinforced with silica sand and fiberglass. | | |
| 03 15 16 00-0095 | LF | 1-1/2" Thermaflex TM Expansion Joint System<br>Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation. | 100.91 | 6.63 |
| 03 15 16 00-0096 | LF | 2-1/2" Thermaflex TM Expansion Joint System<br>Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation. | 107.71 | 7.72 |
| 03 15 16 00-0097 | EA | Thermaflex TM Fittings Expansion Joint System<br>Note: For direction changes, tees and crosses. Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation. | 518.46 | 22.07 |

## 03 15 19 Cast-In Concrete Anchors *(03 15)*

| | | | | |
|---|---|---|---|---|
| 03 15 19 00-0001 | | **Cast In Place Anchors** *(03 15 19)*<br>Note: For cast in place installations. Includes nut and washer. | | |
| 03 15 19 00-0002 | | **J-Type Anchor Bolts** *(03 15 19 00-0001)*<br>See CSI section 03 11 13 00-0002 for template. | | |
| 03 15 19 00-0003 | | **1/2" And 5/8" Diameter** *(03 15 19 00-0002)* | | |
| 03 15 19 00-0004 | EA | 1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 13.00 | |
| | | *For Galvanized, Add* | *3.37* | |
| | | *For Stainless Steel, Add* | *23.56* | |
| | | *For >10 To 50, Deduct* | *-0.31* | |
| | | *For >50 To 100, Deduct* | *-0.80* | |
| | | *For >100, Deduct* | *-1.59* | |
| 03 15 19 00-0005 | EA | 1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 15.34 | |
| | | *For Galvanized, Add* | *4.29* | |
| | | *For Stainless Steel, Add* | *30.03* | |
| | | *For >10 To 50, Deduct* | *-0.34* | |
| | | *For >50 To 100, Deduct* | *-0.89* | |
| | | *For >100, Deduct* | *-1.78* | |
| 03 15 19 00-0006 | EA | 1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 19.14 | |
| | | *For Galvanized, Add* | *5.91* | |
| | | *For Stainless Steel, Add* | *41.37* | |
| | | *For >10 To 50, Deduct* | *-0.37* | |
| | | *For >50 To 100, Deduct* | *-1.03* | |
| | | *For >100, Deduct* | *-2.06* | |
| 03 15 19 00-0007 | EA | 5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 22.76 | |
| | | *For Galvanized, Add* | *7.72* | |
| | | *For Stainless Steel, Add* | *54.04* | |
| | | *For >10 To 50, Deduct* | *-0.37* | |
| | | *For >50 To 100, Deduct* | *-1.12* | |
| | | *For >100, Deduct* | *-2.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 15 19 00-0008 | EA | 5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 28.60 | |
| | | *For Galvanized, Add* | *10.31* | |
| | | *For Stainless Steel, Add* | *72.14* | |
| | | *For >10 To 50, Deduct* | *-0.40* | |
| | | *For >50 To 100, Deduct* | *-1.31* | |
| | | *For >100, Deduct* | *-2.63* | |
| 03 15 19 00-0009 | EA | 5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 32.33 | |
| | | *For Galvanized, Add* | *11.78* | |
| | | *For Stainless Steel, Add* | *82.43* | |
| | | *For >10 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.47* | |
| | | *For >100, Deduct* | *-2.93* | |
| 03 15 19 00-0010 | | 3/4" And 7/8" Diameter *(03 15 19 00-0002)* | | |
| 03 15 19 00-0011 | EA | 3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 32.17 | |
| | | *For Galvanized, Add* | *11.70* | |
| | | *For Stainless Steel, Add* | *81.87* | |
| | | *For >10 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.46* | |
| | | *For >100, Deduct* | *-2.93* | |
| 03 15 19 00-0012 | EA | 3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 37.02 | |
| | | *For Galvanized, Add* | *13.63* | |
| | | *For Stainless Steel, Add* | *95.41* | |
| | | *For >10 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-1.66* | |
| | | *For >100, Deduct* | *-3.32* | |
| 03 15 19 00-0013 | EA | 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 45.89 | |
| | | *For Galvanized, Add* | *17.46* | |
| | | *For Stainless Steel, Add* | *122.19* | |
| | | *For >10 To 50, Deduct* | *-0.55* | |
| | | *For >50 To 100, Deduct* | *-1.97* | |
| | | *For >100, Deduct* | *-3.94* | |
| 03 15 19 00-0014 | EA | 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 56.30 | |
| | | *For Galvanized, Add* | *22.00* | |
| | | *For Stainless Steel, Add* | *154.00* | |
| | | *For >10 To 50, Deduct* | *-0.62* | |
| | | *For >50 To 100, Deduct* | *-2.33* | |
| | | *For >100, Deduct* | *-4.66* | |
| 03 15 19 00-0015 | EA | 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 42.95 | |
| | | *For Galvanized, Add* | *15.99* | |
| | | *For Stainless Steel, Add* | *111.90* | |
| | | *For >10 To 50, Deduct* | *-0.55* | |
| | | *For >50 To 100, Deduct* | *-1.90* | |
| | | *For >100, Deduct* | *-3.79* | |
| 03 15 19 00-0016 | EA | 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 50.83 | |
| | | *For Galvanized, Add* | *19.14* | |
| | | *For Stainless Steel, Add* | *133.98* | |
| | | *For >10 To 50, Deduct* | *-0.63* | |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100, Deduct* | *-4.42* | |
| 03 15 19 00-0017 | EA | 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 65.65 | |
| | | *For Galvanized, Add* | *25.51* | |
| | | *For Stainless Steel, Add* | *178.57* | |
| | | *For >10 To 50, Deduct* | *-0.73* | |
| | | *For >50 To 100, Deduct* | *-2.74* | |
| | | *For >100, Deduct* | *-5.48* | |
| 03 15 19 00-0018 | | 1" And 1-1/8" Diameter *(03 15 19 00-0002)* | | |
| 03 15 19 00-0019 | EA | 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 53.90 | |
| | | *For Galvanized, Add* | *20.68* | |
| | | *For Stainless Steel, Add* | *144.73* | |
| | | *For >10 To 50, Deduct* | *-0.63* | |
| | | *For >50 To 100, Deduct* | *-2.29* | |
| | | *For >100, Deduct* | *-4.58* | |
| 03 15 19 00-0020 | EA | 1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 64.39 | |
| | | *For Galvanized, Add* | *24.88* | |
| | | *For Stainless Steel, Add* | *174.16* | |
| | | *For >10 To 50, Deduct* | *-0.73* | |
| | | *For >50 To 100, Deduct* | *-2.71* | |
| | | *For >100, Deduct* | *-5.41* | |
| 03 15 19 00-0021 | EA | 1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 79.94 | |
| | | *For Galvanized, Add* | *31.19* | |
| | | *For Stainless Steel, Add* | *218.33* | |
| | | *For >10 To 50, Deduct* | *-0.88* | |
| | | *For >50 To 100, Deduct* | *-3.32* | |
| | | *For >100, Deduct* | *-6.63* | |
| 03 15 19 00-0022 | EA | 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 98.16 | |
| | | *For Galvanized, Add* | *38.11* | |
| | | *For Stainless Steel, Add* | *266.74* | |
| | | *For >10 To 50, Deduct* | *-1.10* | |
| | | *For >50 To 100, Deduct* | *-4.10* | |
| | | *For >100, Deduct* | *-8.20* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 15 19 00-0023 | EA | 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 65.46 | |
| | | *For Galvanized, Add* | *25.85* | |
| | | *For Stainless Steel, Add* | *180.92* | |
| | | *For >10 To 50, Deduct* | *-0.69* | |
| | | *For >50 To 100, Deduct* | *-2.67* | |
| | | *For >100, Deduct* | *-5.34* | |
| 03 15 19 00-0024 | EA | 1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 78.27 | |
| | | *For Galvanized, Add* | *31.11* | |
| | | *For Stainless Steel, Add* | *217.74* | |
| | | *For >10 To 50, Deduct* | *-0.80* | |
| | | *For >50 To 100, Deduct* | *-3.16* | |
| | | *For >100, Deduct* | *-6.32* | |
| 03 15 19 00-0025 | EA | 1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 97.26 | |
| | | *For Galvanized, Add* | *38.99* | |
| | | *For Stainless Steel, Add* | *272.93* | |
| | | *For >10 To 50, Deduct* | *-0.96* | |
| | | *For >50 To 100, Deduct* | *-3.88* | |
| | | *For >100, Deduct* | *-7.76* | |
| 03 15 19 00-0026 | EA | 1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 119.37 | |
| | | *For Galvanized, Add* | *47.64* | |
| | | *For Stainless Steel, Add* | *333.45* | |
| | | *For >10 To 50, Deduct* | *-1.21* | |
| | | *For >50 To 100, Deduct* | *-4.79* | |
| | | *For >100, Deduct* | *-9.58* | |

## 03 15 19 00-0027 1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 03 15 19 00-0028 | EA | 1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 79.87 | |
| | | *For Galvanized, Add* | *32.31* | |
| | | *For Stainless Steel, Add* | *226.14* | |
| | | *For >10 To 50, Deduct* | *-0.76* | |
| | | *For >50 To 100, Deduct* | *-3.14* | |
| | | *For >100, Deduct* | *-6.28* | |
| 03 15 19 00-0029 | EA | 1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 95.56 | |
| | | *For Galvanized, Add* | *38.89* | |
| | | *For Stainless Steel, Add* | *272.20* | |
| | | *For >10 To 50, Deduct* | *-0.89* | |
| | | *For >50 To 100, Deduct* | *-3.72* | |
| | | *For >100, Deduct* | *-7.45* | |
| 03 15 19 00-0030 | EA | 1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 118.86 | |
| | | *For Galvanized, Add* | *48.75* | |
| | | *For Stainless Steel, Add* | *341.25* | |
| | | *For >10 To 50, Deduct* | *-1.07* | |
| | | *For >50 To 100, Deduct* | *-4.57* | |
| | | *For >100, Deduct* | *-9.15* | |
| 03 15 19 00-0031 | EA | 1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 145.76 | |
| | | *For Galvanized, Add* | *59.54* | |
| | | *For Stainless Steel, Add* | *416.75* | |
| | | *For >10 To 50, Deduct* | *-1.33* | |
| | | *For >50 To 100, Deduct* | *-5.65* | |
| | | *For >100, Deduct* | *-11.29* | |
| 03 15 19 00-0032 | EA | 1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 97.87 | |
| | | *For Galvanized, Add* | *40.38* | |
| | | *For Stainless Steel, Add* | *282.66* | |
| | | *For >10 To 50, Deduct* | *-0.86* | |
| | | *For >50 To 100, Deduct* | *-3.73* | |
| | | *For >100, Deduct* | *-7.46* | |
| 03 15 19 00-0033 | EA | 1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 117.16 | |
| | | *For Galvanized, Add* | *48.60* | |
| | | *For Stainless Steel, Add* | *340.20* | |
| | | *For >10 To 50, Deduct* | *-1.00* | |
| | | *For >50 To 100, Deduct* | *-4.43* | |
| | | *For >100, Deduct* | *-8.85* | |
| 03 15 19 00-0034 | EA | 1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 145.85 | |
| | | *For Galvanized, Add* | *60.95* | |
| | | *For Stainless Steel, Add* | *426.62* | |
| | | *For >10 To 50, Deduct* | *-1.20* | |
| | | *For >50 To 100, Deduct* | *-5.44* | |
| | | *For >100, Deduct* | *-10.89* | |
| 03 15 19 00-0035 | EA | 1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt | 178.78 | |
| | | *For Galvanized, Add* | *74.43* | |
| | | *For Stainless Steel, Add* | *520.98* | |
| | | *For >10 To 50, Deduct* | *-1.50* | |
| | | *For >50 To 100, Deduct* | *-6.71* | |
| | | *For >100, Deduct* | *-13.43* | |

## 03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

## 03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 15 19 00-0038 | EA | 3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 27.64 | |
| | | *For Galvanized, Add* | *8.94* | |
| | | *For Stainless Steel, Add* | *62.58* | |
| | | *For >10 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-1.42* | |
| | | *For >100, Deduct* | *-2.85* | |
| 03 15 19 00-0039 | EA | 3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 33.06 | |
| | | *For Galvanized, Add* | *11.04* | |
| | | *For Stainless Steel, Add* | *77.28* | |
| | | *For >10 To 50, Deduct* | *-0.55* | |
| | | *For >50 To 100, Deduct* | *-1.65* | |
| | | *For >100, Deduct* | *-3.30* | |
| 03 15 19 00-0040 | EA | 3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 37.87 | |
| | | *For Galvanized, Add* | *12.66* | |
| | | *For Stainless Steel, Add* | *88.62* | |
| | | *For >10 To 50, Deduct* | *-0.63* | |
| | | *For >50 To 100, Deduct* | *-1.89* | |
| | | *For >100, Deduct* | *-3.78* | |
| 03 15 19 00-0041 | EA | 3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 40.92 | |
| | | *For Galvanized, Add* | *13.15* | |
| | | *For Stainless Steel, Add* | *92.02* | |
| | | *For >10 To 50, Deduct* | *-0.73* | |
| | | *For >50 To 100, Deduct* | *-2.12* | |
| | | *For >100, Deduct* | *-4.24* | |
| 03 15 19 00-0042 | EA | 3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 45.15 | |
| | | *For Galvanized, Add* | *13.80* | |
| | | *For Stainless Steel, Add* | *96.57* | |
| | | *For >10 To 50, Deduct* | *-0.88* | |
| | | *For >50 To 100, Deduct* | *-2.45* | |
| | | *For >100, Deduct* | *-4.89* | |
| 03 15 19 00-0043 | EA | 7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 33.15 | |
| | | *For Galvanized, Add* | *11.09* | |
| | | *For Stainless Steel, Add* | *77.60* | |
| | | *For >10 To 50, Deduct* | *-0.55* | |
| | | *For >50 To 100, Deduct* | *-1.65* | |
| | | *For >100, Deduct* | *-3.30* | |
| 03 15 19 00-0044 | EA | 7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 38.38 | |
| | | *For Galvanized, Add* | *12.92* | |
| | | *For Stainless Steel, Add* | *90.41* | |
| | | *For >10 To 50, Deduct* | *-0.63* | |
| | | *For >50 To 100, Deduct* | *-1.90* | |
| | | *For >100, Deduct* | *-3.80* | |
| 03 15 19 00-0045 | EA | 7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 44.24 | |
| | | *For Galvanized, Add* | *14.81* | |
| | | *For Stainless Steel, Add* | *103.64* | |
| | | *For >10 To 50, Deduct* | *-0.73* | |
| | | *For >50 To 100, Deduct* | *-2.20* | |
| | | *For >100, Deduct* | *-4.41* | |
| 03 15 19 00-0046 | EA | 7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 48.31 | |
| | | *For Galvanized, Add* | *15.38* | |
| | | *For Stainless Steel, Add* | *107.63* | |
| | | *For >10 To 50, Deduct* | *-0.88* | |
| | | *For >50 To 100, Deduct* | *-2.52* | |
| | | *For >100, Deduct* | *-5.05* | |
| 03 15 19 00-0047 | EA | 7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 54.25 | |
| | | *For Galvanized, Add* | *16.15* | |
| | | *For Stainless Steel, Add* | *113.05* | |
| | | *For >10 To 50, Deduct* | *-1.10* | |
| | | *For >50 To 100, Deduct* | *-3.00* | |
| | | *For >100, Deduct* | *-6.01* | |

## 03 15 19 00-0048 1" And 1-1/8" Diameter *(03 15 19 00-0036)*

| | | | | |
|---|---|---|---|---|
| 03 15 19 00-0049 | EA | 1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 40.98 | |
| | | *For Galvanized, Add* | *14.22* | |
| | | *For Stainless Steel, Add* | *99.51* | |
| | | *For >10 To 50, Deduct* | *-0.63* | |
| | | *For >50 To 100, Deduct* | *-1.97* | |
| | | *For >100, Deduct* | *-3.93* | |
| 03 15 19 00-0050 | EA | 1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 46.60 | |
| | | *For Galvanized, Add* | *15.99* | |
| | | *For Stainless Steel, Add* | *111.90* | |
| | | *For >10 To 50, Deduct* | *-0.73* | |
| | | *For >50 To 100, Deduct* | *-2.26* | |
| | | *For >100, Deduct* | *-4.52* | |
| 03 15 19 00-0051 | EA | 1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 53.31 | |
| | | *For Galvanized, Add* | *17.88* | |
| | | *For Stainless Steel, Add* | *125.13* | |
| | | *For >10 To 50, Deduct* | *-0.88* | |
| | | *For >50 To 100, Deduct* | *-2.65* | |
| | | *For >100, Deduct* | *-5.30* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 15 19 00-0052 | EA | 1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 56.52 | |
| | | *For Galvanized, Add* | *18.72* | |
| | | *For Stainless Steel, Add* | *131.01* | |
| | | *For >10 To 50, Deduct* | *-0.95* | |
| | | *For >50 To 100, Deduct* | *-2.84* | |
| | | *For >100, Deduct* | *-5.69* | |
| 03 15 19 00-0053 | EA | 1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 61.15 | |
| | | *For Galvanized, Add* | *19.60* | |
| | | *For Stainless Steel, Add* | *137.20* | |
| | | *For >10 To 50, Deduct* | *-1.10* | |
| | | *For >50 To 100, Deduct* | *-3.18* | |
| | | *For >100, Deduct* | *-6.35* | |
| 03 15 19 00-0054 | EA | 1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 69.82 | |
| | | *For Galvanized, Add* | *22.72* | |
| | | *For Stainless Steel, Add* | *159.01* | |
| | | *For >10 To 50, Deduct* | *-1.22* | |
| | | *For >50 To 100, Deduct* | *-3.57* | |
| | | *For >100, Deduct* | *-7.15* | |
| 03 15 19 00-0055 | EA | 1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 82.44 | |
| | | *For Galvanized, Add* | *26.59* | |
| | | *For Stainless Steel, Add* | *186.10* | |
| | | *For >10 To 50, Deduct* | *-1.46* | |
| | | *For >50 To 100, Deduct* | *-4.26* | |
| | | *For >100, Deduct* | *-8.51* | |
| 03 15 19 00-0056 | EA | 1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 52.02 | |
| | | *For Galvanized, Add* | *18.70* | |
| | | *For Stainless Steel, Add* | *130.87* | |
| | | *For >10 To 50, Deduct* | *-0.73* | |
| | | *For >50 To 100, Deduct* | *-2.40* | |
| | | *For >100, Deduct* | *-4.80* | |
| 03 15 19 00-0057 | EA | 1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 59.41 | |
| | | *For Galvanized, Add* | *20.93* | |
| | | *For Stainless Steel, Add* | *146.48* | |
| | | *For >10 To 50, Deduct* | *-0.88* | |
| | | *For >50 To 100, Deduct* | *-2.80* | |
| | | *For >100, Deduct* | *-5.60* | |
| 03 15 19 00-0058 | EA | 1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 62.88 | |
| | | *For Galvanized, Add* | *21.90* | |
| | | *For Stainless Steel, Add* | *153.27* | |
| | | *For >10 To 50, Deduct* | *-0.95* | |
| | | *For >50 To 100, Deduct* | *-3.00* | |
| | | *For >100, Deduct* | *-6.01* | |

## 03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

| | | | | |
|---|---|---|---|---|
| 03 15 19 00-0060 | EA | 1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 62.78 | |
| | | *For Galvanized, Add* | *22.61* | |
| | | *For Stainless Steel, Add* | *158.27* | |
| | | *For >10 To 50, Deduct* | *-0.88* | |
| | | *For >50 To 100, Deduct* | *-2.89* | |
| | | *For >100, Deduct* | *-5.77* | |
| 03 15 19 00-0061 | EA | 1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 74.86 | |
| | | *For Galvanized, Add* | *26.46* | |
| | | *For Stainless Steel, Add* | *185.19* | |
| | | *For >10 To 50, Deduct* | *-1.10* | |
| | | *For >50 To 100, Deduct* | *-3.52* | |
| | | *For >100, Deduct* | *-7.04* | |
| 03 15 19 00-0062 | EA | 1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 83.05 | |
| | | *For Galvanized, Add* | *29.97* | |
| | | *For Stainless Steel, Add* | *209.79* | |
| | | *For >10 To 50, Deduct* | *-1.16* | |
| | | *For >50 To 100, Deduct* | *-3.81* | |
| | | *For >100, Deduct* | *-7.62* | |
| 03 15 19 00-0063 | EA | 1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 92.07 | |
| | | *For Galvanized, Add* | *33.84* | |
| | | *For Stainless Steel, Add* | *236.88* | |
| | | *For >10 To 50, Deduct* | *-1.22* | |
| | | *For >50 To 100, Deduct* | *-4.13* | |
| | | *For >100, Deduct* | *-8.26* | |
| 03 15 19 00-0064 | EA | 1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 101.05 | |
| | | *For Galvanized, Add* | *36.81* | |
| | | *For Stainless Steel, Add* | *257.64* | |
| | | *For >10 To 50, Deduct* | *-1.37* | |
| | | *For >50 To 100, Deduct* | *-4.58* | |
| | | *For >100, Deduct* | *-9.17* | |
| 03 15 19 00-0065 | EA | 1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 110.18 | |
| | | *For Galvanized, Add* | *39.41* | |
| | | *For Stainless Steel, Add* | *275.87* | |
| | | *For >10 To 50, Deduct* | *-1.57* | |
| | | *For >50 To 100, Deduct* | *-5.11* | |
| | | *For >100, Deduct* | *-10.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 15 19 00-0066 | EA | 1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 120.95 | |
| | | *For Galvanized, Add* | *42.19* | |
| | | *For Stainless Steel, Add* | *295.30* | |
| | | *For >10 To 50, Deduct* | *-1.83* | |
| | | *For >50 To 100, Deduct* | *-5.77* | |
| | | *For >100, Deduct* | *-11.53* | |
| 03 15 19 00-0067 | EA | 1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 137.20 | |
| | | *For Galvanized, Add* | *46.65* | |
| | | *For Stainless Steel, Add* | *326.52* | |
| | | *For >10 To 50, Deduct* | *-2.20* | |
| | | *For >50 To 100, Deduct* | *-6.72* | |
| | | *For >100, Deduct* | *-13.45* | |
| 03 15 19 00-0068 | EA | 1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 74.09 | |
| | | *For Galvanized, Add* | *28.27* | |
| | | *For Stainless Steel, Add* | *197.86* | |
| | | *For >10 To 50, Deduct* | *-0.88* | |
| | | *For >50 To 100, Deduct* | *-3.17* | |
| | | *For >100, Deduct* | *-6.34* | |
| 03 15 19 00-0069 | EA | 1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 88.11 | |
| | | *For Galvanized, Add* | *33.08* | |
| | | *For Stainless Steel, Add* | *231.56* | |
| | | *For >10 To 50, Deduct* | *-1.10* | |
| | | *For >50 To 100, Deduct* | *-3.85* | |
| | | *For >100, Deduct* | *-7.70* | |
| 03 15 19 00-0070 | EA | 1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 98.02 | |
| | | *For Galvanized, Add* | *37.46* | |
| | | *For Stainless Steel, Add* | *262.19* | |
| | | *For >10 To 50, Deduct* | *-1.16* | |
| | | *For >50 To 100, Deduct* | *-4.18* | |
| | | *For >100, Deduct* | *-8.37* | |
| 03 15 19 00-0071 | EA | 1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 108.97 | |
| | | *For Galvanized, Add* | *42.29* | |
| | | *For Stainless Steel, Add* | *296.03* | |
| | | *For >10 To 50, Deduct* | *-1.22* | |
| | | *For >50 To 100, Deduct* | *-4.55* | |
| | | *For >100, Deduct* | *-9.11* | |
| 03 15 19 00-0072 | EA | 1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 119.47 | |
| | | *For Galvanized, Add* | *46.02* | |
| | | *For Stainless Steel, Add* | *322.11* | |
| | | *For >10 To 50, Deduct* | *-1.37* | |
| | | *For >50 To 100, Deduct* | *-5.04* | |
| | | *For >100, Deduct* | *-10.09* | |
| 03 15 19 00-0073 | EA | 1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 129.91 | |
| | | *For Galvanized, Add* | *49.28* | |
| | | *For Stainless Steel, Add* | *344.93* | |
| | | *For >10 To 50, Deduct* | *-1.57* | |
| | | *For >50 To 100, Deduct* | *-5.60* | |
| | | *For >100, Deduct* | *-11.20* | |
| 03 15 19 00-0074 | EA | 1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 142.91 | |
| | | *For Galvanized, Add* | *53.17* | |
| | | *For Stainless Steel, Add* | *372.16* | |
| | | *For >10 To 50, Deduct* | *-1.83* | |
| | | *For >50 To 100, Deduct* | *-6.32* | |
| | | *For >100, Deduct* | *-12.63* | |
| 03 15 19 00-0075 | EA | 1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 160.55 | |
| | | *For Galvanized, Add* | *58.32* | |
| | | *For Stainless Steel, Add* | *408.24* | |
| | | *For >10 To 50, Deduct* | *-2.20* | |
| | | *For >50 To 100, Deduct* | *-7.31* | |
| | | *For >100, Deduct* | *-14.61* | |

### 03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*

| | | | | |
|---|---|---|---|---|
| 03 15 19 00-0077 | EA | 1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 98.32 | |
| | | *For Galvanized, Add* | *39.18* | |
| | | *For Stainless Steel, Add* | *274.26* | |
| | | *For >10 To 50, Deduct* | *-1.00* | |
| | | *For >50 To 100, Deduct* | *-3.96* | |
| | | *For >100, Deduct* | *-7.91* | |
| 03 15 19 00-0078 | EA | 1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 105.30 | |
| | | *For Galvanized, Add* | *41.10* | |
| | | *For Stainless Steel, Add* | *287.67* | |
| | | *For >10 To 50, Deduct* | *-1.16* | |
| | | *For >50 To 100, Deduct* | *-4.37* | |
| | | *For >100, Deduct* | *-8.73* | |
| 03 15 19 00-0079 | EA | 1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 116.26 | |
| | | *For Galvanized, Add* | *45.22* | |
| | | *For Stainless Steel, Add* | *316.51* | |
| | | *For >10 To 50, Deduct* | *-1.29* | |
| | | *For >50 To 100, Deduct* | *-4.84* | |
| | | *For >100, Deduct* | *-9.69* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 15 19 00-0080 | EA | 1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 126.24 | |
| | | *For Galvanized, Add* | *49.40* | |
| | | *For Stainless Steel, Add* | *345.80* | |
| | | *For >10 To 50, Deduct* | *-1.37* | |
| | | *For >50 To 100, Deduct* | *-5.21* | |
| | | *For >100, Deduct* | *-10.43* | |
| 03 15 19 00-0081 | EA | 1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 136.44 | |
| | | *For Galvanized, Add* | *53.59* | |
| | | *For Stainless Steel, Add* | *375.10* | |
| | | *For >10 To 50, Deduct* | *-1.46* | |
| | | *For >50 To 100, Deduct* | *-5.61* | |
| | | *For >100, Deduct* | *-11.21* | |
| 03 15 19 00-0082 | EA | 1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 149.03 | |
| | | *For Galvanized, Add* | *57.63* | |
| | | *For Stainless Steel, Add* | *403.38* | |
| | | *For >10 To 50, Deduct* | *-1.69* | |
| | | *For >50 To 100, Deduct* | *-6.26* | |
| | | *For >100, Deduct* | *-12.52* | |
| 03 15 19 00-0083 | EA | 1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 164.59 | |
| | | *For Galvanized, Add* | *62.34* | |
| | | *For Stainless Steel, Add* | *436.35* | |
| | | *For >10 To 50, Deduct* | *-2.00* | |
| | | *For >50 To 100, Deduct* | *-7.11* | |
| | | *For >100, Deduct* | *-14.22* | |
| 03 15 19 00-0084 | EA | 1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 187.03 | |
| | | *For Galvanized, Add* | *69.13* | |
| | | *For Stainless Steel, Add* | *483.88* | |
| | | *For >10 To 50, Deduct* | *-2.44* | |
| | | *For >50 To 100, Deduct* | *-8.33* | |
| | | *For >100, Deduct* | *-16.67* | |
| 03 15 19 00-0085 | EA | 1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 139.85 | |
| | | *For Galvanized, Add* | *58.95* | |
| | | *For Stainless Steel, Add* | *412.65* | |
| | | *For >10 To 50, Deduct* | *-1.10* | |
| | | *For >50 To 100, Deduct* | *-5.14* | |
| | | *For >100, Deduct* | *-10.29* | |
| 03 15 19 00-0086 | EA | 1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 144.85 | |
| | | *For Galvanized, Add* | *60.23* | |
| | | *For Stainless Steel, Add* | *421.61* | |
| | | *For >10 To 50, Deduct* | *-1.22* | |
| | | *For >50 To 100, Deduct* | *-5.45* | |
| | | *For >100, Deduct* | *-10.90* | |
| 03 15 19 00-0087 | EA | 1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 148.23 | |
| | | *For Galvanized, Add* | *61.20* | |
| | | *For Stainless Steel, Add* | *428.40* | |
| | | *For >10 To 50, Deduct* | *-1.29* | |
| | | *For >50 To 100, Deduct* | *-5.64* | |
| | | *For >100, Deduct* | *-11.29* | |
| 03 15 19 00-0088 | EA | 1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 168.81 | |
| | | *For Galvanized, Add* | *70.69* | |
| | | *For Stainless Steel, Add* | *494.80* | |
| | | *For >10 To 50, Deduct* | *-1.37* | |
| | | *For >50 To 100, Deduct* | *-6.28* | |
| | | *For >100, Deduct* | *-12.56* | |
| 03 15 19 00-0089 | EA | 1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 194.56 | |
| | | *For Galvanized, Add* | *81.60* | |
| | | *For Stainless Steel, Add* | *571.20* | |
| | | *For >10 To 50, Deduct* | *-1.57* | |
| | | *For >50 To 100, Deduct* | *-7.22* | |
| | | *For >100, Deduct* | *-14.43* | |
| 03 15 19 00-0090 | EA | 1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 201.92 | |
| | | *For Galvanized, Add* | *82.67* | |
| | | *For Stainless Steel, Add* | *578.69* | |
| | | *For >10 To 50, Deduct* | *-1.83* | |
| | | *For >50 To 100, Deduct* | *-7.79* | |
| | | *For >100, Deduct* | *-15.58* | |
| 03 15 19 00-0091 | EA | 1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 222.46 | |
| | | *For Galvanized, Add* | *89.28* | |
| | | *For Stainless Steel, Add* | *624.93* | |
| | | *For >10 To 50, Deduct* | *-2.20* | |
| | | *For >50 To 100, Deduct* | *-8.85* | |
| | | *For >100, Deduct* | *-17.71* | |
| 03 15 19 00-0092 | EA | 1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 247.18 | |
| | | *For Galvanized, Add* | *96.15* | |
| | | *For Stainless Steel, Add* | *673.05* | |
| | | *For >10 To 50, Deduct* | *-2.74* | |
| | | *For >50 To 100, Deduct* | *-10.30* | |
| | | *For >100, Deduct* | *-20.59* | |
| 03 15 19 00-0093 | EA | 2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 205.30 | |
| | | *For Galvanized, Add* | *89.74* | |
| | | *For Stainless Steel, Add* | *628.15* | |
| | | *For >10 To 50, Deduct* | *-1.29* | |
| | | *For >50 To 100, Deduct* | *-7.07* | |
| | | *For >100, Deduct* | *-14.14* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 15 19 00-0094 | EA | 2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 223.30 | |
| | | *For Galvanized, Add* | *97.02* | |
| | | *For Stainless Steel, Add* | *679.11* | |
| | | *For >10 To 50, Deduct* | *-1.46* | |
| | | *For >50 To 100, Deduct* | *-7.78* | |
| | | *For >100, Deduct* | *-15.56* | |
| 03 15 19 00-0095 | EA | 2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 245.26 | |
| | | *For Galvanized, Add* | *105.74* | |
| | | *For Stainless Steel, Add* | *740.18* | |
| | | *For >10 To 50, Deduct* | *-1.69* | |
| | | *For >50 To 100, Deduct* | *-8.67* | |
| | | *For >100, Deduct* | *-17.33* | |
| 03 15 19 00-0096 | EA | 2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 263.89 | |
| | | *For Galvanized, Add* | *111.99* | |
| | | *For Stainless Steel, Add* | *783.90* | |
| | | *For >10 To 50, Deduct* | *-2.00* | |
| | | *For >50 To 100, Deduct* | *-9.59* | |
| | | *For >100, Deduct* | *-19.18* | |
| 03 15 19 00-0097 | EA | 2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 284.58 | |
| | | *For Galvanized, Add* | *120.34* | |
| | | *For Stainless Steel, Add* | *842.35* | |
| | | *For >10 To 50, Deduct* | *-2.20* | |
| | | *For >50 To 100, Deduct* | *-10.41* | |
| | | *For >100, Deduct* | *-20.82* | |
| 03 15 19 00-0098 | EA | 2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 305.77 | |
| | | *For Galvanized, Add* | *128.50* | |
| | | *For Stainless Steel, Add* | *899.47* | |
| | | *For >10 To 50, Deduct* | *-2.44* | |
| | | *For >50 To 100, Deduct* | *-11.30* | |
| | | *For >100, Deduct* | *-22.61* | |
| 03 15 19 00-0099 | EA | 2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 338.73 | |
| | | *For Galvanized, Add* | *138.00* | |
| | | *For Stainless Steel, Add* | *966.00* | |
| | | *For >10 To 50, Deduct* | *-3.14* | |
| | | *For >50 To 100, Deduct* | *-13.17* | |
| | | *For >100, Deduct* | *-26.35* | |
| 03 15 19 00-0100 | EA | 2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 366.16 | |
| | | *For Galvanized, Add* | *151.72* | |
| | | *For Stainless Steel, Add* | *1,062.01* | |
| | | *For >10 To 50, Deduct* | *-3.14* | |
| | | *For >50 To 100, Deduct* | *-13.86* | |
| | | *For >100, Deduct* | *-27.72* | |
| 03 15 19 00-0101 | EA | 2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 410.47 | |
| | | *For Galvanized, Add* | *168.65* | |
| | | *For Stainless Steel, Add* | *1,180.52* | |
| | | *For >10 To 50, Deduct* | *-3.66* | |
| | | *For >50 To 100, Deduct* | *-15.75* | |
| | | *For >100, Deduct* | *-31.50* | |

## 03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

| | | | | |
|---|---|---|---|---|
| 03 15 19 00-0103 | EA | 2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 424.57 | |
| | | *For Galvanized, Add* | *199.37* | |
| | | *For Stainless Steel, Add* | *1,395.59* | |
| | | *For >10 To 50, Deduct* | *-1.29* | |
| | | *For >50 To 100, Deduct* | *-12.55* | |
| | | *For >100, Deduct* | *-25.10* | |
| 03 15 19 00-0104 | EA | 2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 446.05 | |
| | | *For Galvanized, Add* | *208.39* | |
| | | *For Stainless Steel, Add* | *1,458.73* | |
| | | *For >10 To 50, Deduct* | *-1.46* | |
| | | *For >50 To 100, Deduct* | *-13.35* | |
| | | *For >100, Deduct* | *-26.69* | |
| 03 15 19 00-0105 | EA | 2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 485.77 | |
| | | *For Galvanized, Add* | *226.00* | |
| | | *For Stainless Steel, Add* | *1,581.97* | |
| | | *For >10 To 50, Deduct* | *-1.69* | |
| | | *For >50 To 100, Deduct* | *-14.68* | |
| | | *For >100, Deduct* | *-29.36* | |
| 03 15 19 00-0106 | EA | 2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 516.26 | |
| | | *For Galvanized, Add* | *238.17* | |
| | | *For Stainless Steel, Add* | *1,667.19* | |
| | | *For >10 To 50, Deduct* | *-2.00* | |
| | | *For >50 To 100, Deduct* | *-15.90* | |
| | | *For >100, Deduct* | *-31.80* | |
| 03 15 19 00-0107 | EA | 2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 545.78 | |
| | | *For Galvanized, Add* | *250.94* | |
| | | *For Stainless Steel, Add* | *1,756.55* | |
| | | *For >10 To 50, Deduct* | *-2.20* | |
| | | *For >50 To 100, Deduct* | *-16.94* | |
| | | *For >100, Deduct* | *-33.88* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 15 19 00-0108 | EA | 2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 579.25 | |
| | | *For Galvanized, Add* | *265.24* | |
| | | *For Stainless Steel, Add* | *1,856.65* | |
| | | *For >10 To 50, Deduct* | *-2.44* | |
| | | *For >50 To 100, Deduct* | *-18.14* | |
| | | *For >100, Deduct* | *-36.28* | |
| 03 15 19 00-0109 | EA | 2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 622.48 | |
| | | *For Galvanized, Add* | *279.88* | |
| | | *For Stainless Steel, Add* | *1,959.13* | |
| | | *For >10 To 50, Deduct* | *-3.14* | |
| | | *For >50 To 100, Deduct* | *-20.27* | |
| | | *For >100, Deduct* | *-40.53* | |
| 03 15 19 00-0110 | EA | 2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 478.84 | |
| | | *For Galvanized, Add* | *225.70* | |
| | | *For Stainless Steel, Add* | *1,579.90* | |
| | | *For >10 To 50, Deduct* | *-1.37* | |
| | | *For >50 To 100, Deduct* | *-14.03* | |
| | | *For >100, Deduct* | *-28.06* | |
| 03 15 19 00-0111 | EA | 2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 514.22 | |
| | | *For Galvanized, Add* | *241.43* | |
| | | *For Stainless Steel, Add* | *1,690.01* | |
| | | *For >10 To 50, Deduct* | *-1.57* | |
| | | *For >50 To 100, Deduct* | *-15.21* | |
| | | *For >100, Deduct* | *-30.42* | |
| 03 15 19 00-0112 | EA | 2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 551.20 | |
| | | *For Galvanized, Add* | *257.31* | |
| | | *For Stainless Steel, Add* | *1,801.17* | |
| | | *For >10 To 50, Deduct* | *-1.83* | |
| | | *For >50 To 100, Deduct* | *-16.52* | |
| | | *For >100, Deduct* | *-33.05* | |
| 03 15 19 00-0113 | EA | 2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 587.13 | |
| | | *For Galvanized, Add* | *271.61* | |
| | | *For Stainless Steel, Add* | *1,901.27* | |
| | | *For >10 To 50, Deduct* | *-2.20* | |
| | | *For >50 To 100, Deduct* | *-17.97* | |
| | | *For >100, Deduct* | *-35.94* | |
| 03 15 19 00-0114 | EA | 2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 623.25 | |
| | | *For Galvanized, Add* | *287.24* | |
| | | *For Stainless Steel, Add* | *2,010.65* | |
| | | *For >10 To 50, Deduct* | *-2.44* | |
| | | *For >50 To 100, Deduct* | *-19.24* | |
| | | *For >100, Deduct* | *-38.48* | |
| 03 15 19 00-0115 | EA | 2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 673.72 | |
| | | *For Galvanized, Add* | *309.42* | |
| | | *For Stainless Steel, Add* | *2,165.94* | |
| | | *For >10 To 50, Deduct* | *-2.74* | |
| | | *For >50 To 100, Deduct* | *-20.96* | |
| | | *For >100, Deduct* | *-41.92* | |
| 03 15 19 00-0116 | EA | 2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt | 726.05 | |
| | | *For Galvanized, Add* | *326.44* | |
| | | *For Stainless Steel, Add* | *2,285.05* | |
| | | *For >10 To 50, Deduct* | *-3.66* | |
| | | *For >50 To 100, Deduct* | *-23.64* | |
| | | *For >100, Deduct* | *-47.28* | |

# 03 20 Concrete Reinforcing *(03)*

Note: Includes cutting or torching to size, bending where necessary and tie wires.

## 03 21 Reinforcement Bars *(03 20)*

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lb./LF, #3 - 0.376 Ls./LF, #4 - 0.668 Lb./LF, #5 - 1.043 Lb./LF, #6 - 1.502 Lb./LF, #7 - 2.044 Lb./LF, #8 - 2.670 Lb./LF, #9 - 3.400 Lb./LF, #10 - 4.303 Lb./LF, #11 - 5.313 Lb./LF, #14 - 7.650 Lb./LF, #18 - 13.600 Lb./LF.

### 03 21 11 Plain Steel Reinforcement Bars *(03 21)*

#### 03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0002 | LF | #3, Grade 40, Beams And Girders, Steel Reinforcement Bar | 0.81 | |
| | | *For Up To 100, Add* | *0.56* | |
| | | *For >100 To 200, Add* | *0.30* | |
| | | *For >200 To 500, Add* | *0.12* | |
| 03 21 11 00-0003 | LF | #4, Grade 40, Beams And Girders, Steel Reinforcement Bar | 1.37 | |
| | | *For Up To 100, Add* | *0.96* | |
| | | *For >100 To 200, Add* | *0.52* | |
| | | *For >200 To 500, Add* | *0.21* | |
| 03 21 11 00-0004 | LF | #5, Grade 40, Beams And Girders, Steel Reinforcement Bar | 2.06 | |
| | | *For Up To 100, Add* | *1.47* | |
| | | *For >100 To 200, Add* | *0.78* | |
| | | *For >200 To 500, Add* | *0.31* | |
| 03 21 11 00-0005 | LF | #6, Grade 40, Beams And Girders, Steel Reinforcement Bar | 2.85 | |
| | | *For Up To 100, Add* | *2.06* | |
| | | *For >100 To 200, Add* | *1.10* | |
| | | *For >200 To 500, Add* | *0.44* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 11 00-0006 | LF | #3, Grade 50, Beams And Girders, Steel Reinforcement Bar | 0.82 | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 200, Add* | *0.31* | |
| | | *For >200 To 500, Add* | *0.12* | |
| 03 21 11 00-0007 | LF | #4, Grade 50, Beams And Girders, Steel Reinforcement Bar | 1.40 | |
| | | *For Up To 100, Add* | *0.99* | |
| | | *For >100 To 200, Add* | *0.53* | |
| | | *For >200 To 500, Add* | *0.21* | |
| 03 21 11 00-0008 | LF | #5, Grade 50, Beams And Girders, Steel Reinforcement Bar | 2.11 | |
| | | *For Up To 100, Add* | *1.52* | |
| | | *For >100 To 200, Add* | *0.81* | |
| | | *For >200 To 500, Add* | *0.32* | |
| 03 21 11 00-0009 | LF | #6, Grade 50, Beams And Girders, Steel Reinforcement Bar | 2.93 | |
| | | *For Up To 100, Add* | *2.14* | |
| | | *For >100 To 200, Add* | *1.14* | |
| | | *For >200 To 500, Add* | *0.46* | |
| 03 21 11 00-0010 | LF | #3, Grade 60, Beams And Girders, Steel Reinforcement Bar | 0.85 | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 200, Add* | *0.32* | |
| | | *For >200 To 500, Add* | *0.13* | |
| 03 21 11 00-0011 | LF | #4, Grade 60, Beams And Girders, Steel Reinforcement Bar | 1.45 | |
| | | *For Up To 100, Add* | *1.04* | |
| | | *For >100 To 200, Add* | *0.56* | |
| | | *For >200 To 500, Add* | *0.22* | |
| 03 21 11 00-0012 | LF | #5, Grade 60, Beams And Girders, Steel Reinforcement Bar | 2.19 | |
| | | *For Up To 100, Add* | *1.60* | |
| | | *For >100 To 200, Add* | *0.85* | |
| | | *For >200 To 500, Add* | *0.34* | |
| 03 21 11 00-0013 | LF | #6, Grade 60, Beams And Girders, Steel Reinforcement Bar | 3.04 | |
| | | *For Up To 100, Add* | *2.25* | |
| | | *For >100 To 200, Add* | *1.19* | |
| | | *For >200 To 500, Add* | *0.48* | |
| 03 21 11 00-0014 | LF | #7, Grade 60, Beams And Girders, Steel Reinforcement Bar | 3.98 | |
| | | *For Up To 100, Add* | *2.34* | |
| | | *For >100 To 200, Add* | *1.35* | |
| | | *For >200 To 400, Add* | *0.63* | |
| 03 21 11 00-0015 | LF | #8, Grade 60, Beams And Girders, Steel Reinforcement Bar | 4.98 | |
| | | *For Up To 100, Add* | *2.98* | |
| | | *For >100 To 200, Add* | *1.71* | |
| | | *For >200 To 400, Add* | *0.81* | |
| 03 21 11 00-0016 | LF | #9, Grade 60, Beams And Girders, Steel Reinforcement Bar | 6.15 | |
| | | *For Up To 100, Add* | *3.72* | |
| | | *For >100 To 200, Add* | *2.13* | |
| | | *For >200 To 400, Add* | *1.01* | |
| 03 21 11 00-0017 | LF | #10, Grade 60, Beams And Girders, Steel Reinforcement Bar | 7.55 | |
| | | *For Up To 100, Add* | *3.76* | |
| | | *For >100 To 200, Add* | *2.01* | |
| | | *For >200 To 300, Add* | *1.00* | |
| 03 21 11 00-0018 | LF | #11, Grade 60, Beams And Girders, Steel Reinforcement Bar | 9.04 | |
| | | *For Up To 100, Add* | *4.55* | |
| | | *For >100 To 200, Add* | *2.42* | |
| | | *For >200 To 300, Add* | *1.21* | |
| 03 21 11 00-0019 | LF | #14, Grade 60, Beams And Girders, Steel Reinforcement Bar | 12.59 | |
| | | *For Up To 100, Add* | *6.43* | |
| | | *For >100 To 200, Add* | *3.40* | |
| | | *For >200 To 300, Add* | *1.70* | |
| 03 21 11 00-0020 | LF | #18, Grade 60, Beams And Girders, Steel Reinforcement Bar | 21.64 | |
| | | *For Up To 100, Add* | *11.20* | |
| | | *For >100 To 200, Add* | *5.90* | |
| | | *For >200 To 300, Add* | *2.95* | |
| 03 21 11 00-0021 | LF | #6, Grade 75, Beams And Girders, Steel Reinforcement Bar | 3.16 | |
| | | *For Up To 100, Add* | *2.37* | |
| | | *For >100 To 200, Add* | *1.25* | |
| | | *For >200 To 500, Add* | *0.50* | |
| 03 21 11 00-0022 | LF | #7, Grade 75, Beams And Girders, Steel Reinforcement Bar | 4.14 | |
| | | *For Up To 100, Add* | *2.46* | |
| | | *For >100 To 200, Add* | *1.41* | |
| | | *For >200 To 400, Add* | *0.67* | |
| 03 21 11 00-0023 | LF | #8, Grade 75, Beams And Girders, Steel Reinforcement Bar | 5.19 | |
| | | *For Up To 100, Add* | *3.13* | |
| | | *For >100 To 200, Add* | *1.79* | |
| | | *For >200 To 400, Add* | *0.85* | |
| 03 21 11 00-0024 | LF | #9, Grade 75, Beams And Girders, Steel Reinforcement Bar | 6.41 | |
| | | *For Up To 100, Add* | *3.92* | |
| | | *For >100 To 200, Add* | *2.23* | |
| | | *For >200 To 400, Add* | *1.06* | |
| 03 21 11 00-0025 | LF | #10, Grade 75, Beams And Girders, Steel Reinforcement Bar | 7.88 | |
| | | *For Up To 100, Add* | *3.95* | |
| | | *For >100 To 200, Add* | *2.11* | |
| | | *For >200 To 300, Add* | *1.05* | |
| 03 21 11 00-0026 | LF | #11, Grade 75, Beams And Girders, Steel Reinforcement Bar | 9.44 | |
| | | *For Up To 100, Add* | *4.79* | |
| | | *For >100 To 200, Add* | *2.54* | |
| | | *For >200 To 300, Add* | *1.27* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 11 00-0027 | LF | #14, Grade 75, Beams And Girders, Steel Reinforcement Bar | 13.18 | |
| | | *For Up To 100, Add* | *6.78* | |
| | | *For >100 To 200, Add* | *3.58* | |
| | | *For >200 To 300, Add* | *1.79* | |
| 03 21 11 00-0028 | LF | #18, Grade 75, Beams And Girders, Steel Reinforcement Bar | 22.69 | |
| | | *For Up To 100, Add* | *11.83* | |
| | | *For >100 To 200, Add* | *6.21* | |
| | | *For >200 To 300, Add* | *3.11* | |
| 03 21 11 00-0029 | LF | #3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar | 0.88 | |
| | | *For Up To 100, Add* | *0.63* | |
| | | *For >100 To 200, Add* | *0.34* | |
| | | *For >200 To 500, Add* | *0.13* | |
| 03 21 11 00-0030 | LF | #4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar | 1.49 | |
| | | *For Up To 100, Add* | *1.08* | |
| | | *For >100 To 200, Add* | *0.58* | |
| | | *For >200 To 500, Add* | *0.23* | |
| 03 21 11 00-0031 | LF | #5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar | 2.25 | |
| | | *For Up To 100, Add* | *1.66* | |
| | | *For >100 To 200, Add* | *0.88* | |
| | | *For >200 To 500, Add* | *0.35* | |
| 03 21 11 00-0032 | LF | #6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar | 3.13 | |
| | | *For Up To 100, Add* | *2.34* | |
| | | *For >100 To 200, Add* | *1.24* | |
| | | *For >200 To 500, Add* | *0.50* | |
| 03 21 11 00-0033 | LF | #7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar | 4.10 | |
| | | *For Up To 100, Add* | *2.43* | |
| | | *For >100 To 200, Add* | *1.40* | |
| | | *For >200 To 400, Add* | *0.66* | |
| 03 21 11 00-0034 | LF | #8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar | 5.14 | |
| | | *For Up To 100, Add* | *3.10* | |
| | | *For >100 To 200, Add* | *1.77* | |
| | | *For >200 To 400, Add* | *0.84* | |
| 03 21 11 00-0035 | LF | #9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar | 6.34 | |
| | | *For Up To 100, Add* | *3.87* | |
| | | *For >100 To 200, Add* | *2.20* | |
| | | *For >200 To 400, Add* | *1.05* | |
| 03 21 11 00-0036 | LF | #10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar | 7.80 | |
| | | *For Up To 100, Add* | *3.91* | |
| | | *For >100 To 200, Add* | *2.08* | |
| | | *For >200 To 300, Add* | *1.04* | |
| 03 21 11 00-0037 | LF | #11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar | 9.34 | |
| | | *For Up To 100, Add* | *4.73* | |
| | | *For >100 To 200, Add* | *2.51* | |
| | | *For >200 To 300, Add* | *1.26* | |
| 03 21 11 00-0038 | LF | #14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar | 13.03 | |
| | | *For Up To 100, Add* | *6.69* | |
| | | *For >100 To 200, Add* | *3.53* | |
| | | *For >200 To 300, Add* | *1.77* | |
| 03 21 11 00-0039 | LF | #18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar | 22.43 | |
| | | *For Up To 100, Add* | *11.68* | |
| | | *For >100 To 200, Add* | *6.14* | |
| | | *For >200 To 300, Add* | *3.07* | |

## 03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0041 | LF | #3, Grade 40, Columns, Steel Reinforcement Bar | 0.85 | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 200, Add* | *0.31* | |
| | | *For >200 To 500, Add* | *0.12* | |
| 03 21 11 00-0042 | LF | #4, Grade 40, Columns, Steel Reinforcement Bar | 1.45 | |
| | | *For Up To 100, Add* | *0.99* | |
| | | *For >100 To 200, Add* | *0.54* | |
| | | *For >200 To 500, Add* | *0.21* | |
| 03 21 11 00-0043 | LF | #5, Grade 40, Columns, Steel Reinforcement Bar | 2.16 | |
| | | *For Up To 100, Add* | *1.51* | |
| | | *For >100 To 200, Add* | *0.81* | |
| | | *For >200 To 500, Add* | *0.32* | |
| 03 21 11 00-0044 | LF | #6, Grade 40, Columns, Steel Reinforcement Bar | 2.98 | |
| | | *For Up To 100, Add* | *2.12* | |
| | | *For >100 To 200, Add* | *1.13* | |
| | | *For >200 To 500, Add* | *0.45* | |
| 03 21 11 00-0045 | LF | #3, Grade 50, Columns, Steel Reinforcement Bar | 0.87 | |
| | | *For Up To 100, Add* | *0.59* | |
| | | *For >100 To 200, Add* | *0.32* | |
| | | *For >200 To 500, Add* | *0.13* | |
| 03 21 11 00-0046 | LF | #4, Grade 50, Columns, Steel Reinforcement Bar | 1.48 | |
| | | *For Up To 100, Add* | *1.02* | |
| | | *For >100 To 200, Add* | *0.55* | |
| | | *For >200 To 500, Add* | *0.22* | |
| 03 21 11 00-0047 | LF | #5, Grade 50, Columns, Steel Reinforcement Bar | 2.21 | |
| | | *For Up To 100, Add* | *1.56* | |
| | | *For >100 To 200, Add* | *0.83* | |
| | | *For >200 To 500, Add* | *0.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 11 00-0048 | LF | #6, Grade 50, Columns, Steel Reinforcement Bar | 3.06 | |
| | | *For Up To 100, Add* | *2.20* | |
| | | *For >100 To 200, Add* | *1.17* | |
| | | *For >200 To 500, Add* | *0.47* | |
| 03 21 11 00-0049 | LF | #3, Grade 60, Columns, Steel Reinforcement Bar | 0.89 | |
| | | *For Up To 100, Add* | *0.61* | |
| | | *For >100 To 200, Add* | *0.33* | |
| | | *For >200 To 500, Add* | *0.13* | |
| 03 21 11 00-0050 | LF | #4, Grade 60, Columns, Steel Reinforcement Bar | 1.53 | |
| | | *For Up To 100, Add* | *1.07* | |
| | | *For >100 To 200, Add* | *0.58* | |
| | | *For >200 To 500, Add* | *0.23* | |
| 03 21 11 00-0051 | LF | #5, Grade 60, Columns, Steel Reinforcement Bar | 2.29 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 200, Add* | *0.87* | |
| | | *For >200 To 500, Add* | *0.35* | |
| 03 21 11 00-0052 | LF | #6, Grade 60, Columns, Steel Reinforcement Bar | 3.17 | |
| | | *For Up To 100, Add* | *2.31* | |
| | | *For >100 To 200, Add* | *1.23* | |
| | | *For >200 To 500, Add* | *0.49* | |
| 03 21 11 00-0053 | LF | #7, Grade 60, Columns, Steel Reinforcement Bar | 4.14 | |
| | | *For Up To 100, Add* | *2.39* | |
| | | *For >100 To 200, Add* | *1.39* | |
| | | *For >200 To 400, Add* | *0.65* | |
| 03 21 11 00-0054 | LF | #8, Grade 60, Columns, Steel Reinforcement Bar | 5.16 | |
| | | *For Up To 100, Add* | *3.04* | |
| | | *For >100 To 200, Add* | *1.75* | |
| | | *For >200 To 400, Add* | *0.82* | |
| 03 21 11 00-0055 | LF | #9, Grade 60, Columns, Steel Reinforcement Bar | 6.37 | |
| | | *For Up To 100, Add* | *3.80* | |
| | | *For >100 To 200, Add* | *2.18* | |
| | | *For >200 To 400, Add* | *1.03* | |
| 03 21 11 00-0056 | LF | #10, Grade 60, Columns, Steel Reinforcement Bar | 7.80 | |
| | | *For Up To 100, Add* | *3.83* | |
| | | *For >100 To 200, Add* | *2.06* | |
| | | *For >200 To 300, Add* | *1.03* | |
| 03 21 11 00-0057 | LF | #11, Grade 60, Columns, Steel Reinforcement Bar | 9.32 | |
| | | *For Up To 100, Add* | *4.64* | |
| | | *For >100 To 200, Add* | *2.48* | |
| | | *For >200 To 300, Add* | *1.24* | |
| 03 21 11 00-0058 | LF | #14, Grade 60, Columns, Steel Reinforcement Bar | 12.97 | |
| | | *For Up To 100, Add* | *6.54* | |
| | | *For >100 To 200, Add* | *3.48* | |
| | | *For >200 To 300, Add* | *1.74* | |
| 03 21 11 00-0059 | LF | #18, Grade 60, Columns, Steel Reinforcement Bar | 22.22 | |
| | | *For Up To 100, Add* | *11.38* | |
| | | *For >100 To 200, Add* | *6.01* | |
| | | *For >200 To 300, Add* | *3.01* | |
| 03 21 11 00-0060 | LF | #6, Grade 75, Columns, Steel Reinforcement Bar | 3.29 | |
| | | *For Up To 100, Add* | *2.43* | |
| | | *For >100 To 200, Add* | *1.29* | |
| | | *For >200 To 500, Add* | *0.51* | |
| 03 21 11 00-0061 | LF | #7, Grade 75, Columns, Steel Reinforcement Bar | 4.30 | |
| | | *For Up To 100, Add* | *2.51* | |
| | | *For >100 To 200, Add* | *1.45* | |
| | | *For >200 To 400, Add* | *0.68* | |
| 03 21 11 00-0062 | LF | #8, Grade 75, Columns, Steel Reinforcement Bar | 5.37 | |
| | | *For Up To 100, Add* | *3.20* | |
| | | *For >100 To 200, Add* | *1.84* | |
| | | *For >200 To 400, Add* | *0.87* | |
| 03 21 11 00-0063 | LF | #9, Grade 75, Columns, Steel Reinforcement Bar | 6.63 | |
| | | *For Up To 100, Add* | *4.00* | |
| | | *For >100 To 200, Add* | *2.29* | |
| | | *For >200 To 400, Add* | *1.08* | |
| 03 21 11 00-0064 | LF | #10, Grade 75, Columns, Steel Reinforcement Bar | 8.13 | |
| | | *For Up To 100, Add* | *4.03* | |
| | | *For >100 To 200, Add* | *2.16* | |
| | | *For >200 To 300, Add* | *1.08* | |
| 03 21 11 00-0065 | LF | #11, Grade 75, Columns, Steel Reinforcement Bar | 9.72 | |
| | | *For Up To 100, Add* | *4.88* | |
| | | *For >100 To 200, Add* | *2.60* | |
| | | *For >200 To 300, Add* | *1.30* | |
| 03 21 11 00-0066 | LF | #14, Grade 75, Columns, Steel Reinforcement Bar | 13.56 | |
| | | *For Up To 100, Add* | *6.89* | |
| | | *For >100 To 200, Add* | *3.65* | |
| | | *For >200 To 300, Add* | *1.83* | |
| 03 21 11 00-0067 | LF | #18, Grade 75, Columns, Steel Reinforcement Bar | 23.27 | |
| | | *For Up To 100, Add* | *12.01* | |
| | | *For >100 To 200, Add* | *6.33* | |
| | | *For >200 To 300, Add* | *3.16* | |
| 03 21 11 00-0068 | LF | #3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar | 0.92 | |
| | | *For Up To 100, Add* | *0.64* | |
| | | *For >100 To 200, Add* | *0.35* | |
| | | *For >200 To 500, Add* | *0.14* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 11 00-0069 | LF | #4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar | 1.57 | |
| | | *For Up To 100, Add* | *1.11* | |
| | | *For >100 To 200, Add* | *0.60* | |
| | | *For >200 To 500, Add* | *0.24* | |
| 03 21 11 00-0070 | LF | #5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar | 2.35 | |
| | | *For Up To 100, Add* | *1.70* | |
| | | *For >100 To 200, Add* | *0.90* | |
| | | *For >200 To 500, Add* | *0.36* | |
| 03 21 11 00-0071 | LF | #6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar | 3.26 | |
| | | *For Up To 100, Add* | *2.40* | |
| | | *For >100 To 200, Add* | *1.27* | |
| | | *For >200 To 500, Add* | *0.51* | |
| 03 21 11 00-0072 | LF | #7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar | 4.26 | |
| | | *For Up To 100, Add* | *2.48* | |
| | | *For >100 To 200, Add* | *1.44* | |
| | | *For >200 To 400, Add* | *0.67* | |
| 03 21 11 00-0073 | LF | #8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar | 5.32 | |
| | | *For Up To 100, Add* | *3.16* | |
| | | *For >100 To 200, Add* | *1.82* | |
| | | *For >200 To 400, Add* | *0.86* | |
| 03 21 11 00-0074 | LF | #9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar | 6.56 | |
| | | *For Up To 100, Add* | *3.94* | |
| | | *For >100 To 200, Add* | *2.26* | |
| | | *For >200 To 400, Add* | *1.07* | |
| 03 21 11 00-0075 | LF | #10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar | 8.05 | |
| | | *For Up To 100, Add* | *3.98* | |
| | | *For >100 To 200, Add* | *2.13* | |
| | | *For >200 To 300, Add* | *1.07* | |
| 03 21 11 00-0076 | LF | #11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar | 9.62 | |
| | | *For Up To 100, Add* | *4.82* | |
| | | *For >100 To 200, Add* | *2.57* | |
| | | *For >200 To 300, Add* | *1.28* | |
| 03 21 11 00-0077 | LF | #14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar | 13.41 | |
| | | *For Up To 100, Add* | *6.80* | |
| | | *For >100 To 200, Add* | *3.61* | |
| | | *For >200 To 300, Add* | *1.80* | |
| 03 21 11 00-0078 | LF | #18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar | 23.01 | |
| | | *For Up To 100, Add* | *11.85* | |
| | | *For >100 To 200, Add* | *6.25* | |
| | | *For >200 To 300, Add* | *3.13* | |

## 03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0080 | LF | #3, Grade 40, Footings, Steel Reinforcement Bar | 0.75 | |
| | | *For Up To 100, Add* | *0.53* | |
| | | *For >100 To 200, Add* | *0.29* | |
| | | *For >200 To 500, Add* | *0.11* | |
| 03 21 11 00-0081 | LF | #4, Grade 40, Footings, Steel Reinforcement Bar | 1.28 | |
| | | *For Up To 100, Add* | *0.93* | |
| | | *For >100 To 200, Add* | *0.49* | |
| | | *For >200 To 500, Add* | *0.20* | |
| 03 21 11 00-0082 | LF | #5, Grade 40, Footings, Steel Reinforcement Bar | 1.92 | |
| | | *For Up To 100, Add* | *1.41* | |
| | | *For >100 To 200, Add* | *0.75* | |
| | | *For >200 To 500, Add* | *0.30* | |
| 03 21 11 00-0083 | LF | #6, Grade 40, Footings, Steel Reinforcement Bar | 2.66 | |
| | | *For Up To 100, Add* | *1.99* | |
| | | *For >100 To 200, Add* | *1.05* | |
| | | *For >200 To 500, Add* | *0.42* | |
| 03 21 11 00-0084 | LF | #3, Grade 50, Footings, Steel Reinforcement Bar | 0.77 | |
| | | *For Up To 100, Add* | *0.55* | |
| | | *For >100 To 200, Add* | *0.30* | |
| | | *For >200 To 500, Add* | *0.12* | |
| 03 21 11 00-0085 | LF | #4, Grade 50, Footings, Steel Reinforcement Bar | 1.31 | |
| | | *For Up To 100, Add* | *0.96* | |
| | | *For >100 To 200, Add* | *0.51* | |
| | | *For >200 To 500, Add* | *0.20* | |
| 03 21 11 00-0086 | LF | #5, Grade 50, Footings, Steel Reinforcement Bar | 1.97 | |
| | | *For Up To 100, Add* | *1.46* | |
| | | *For >100 To 200, Add* | *0.77* | |
| | | *For >200 To 500, Add* | *0.31* | |
| 03 21 11 00-0087 | LF | #6, Grade 50, Footings, Steel Reinforcement Bar | 2.74 | |
| | | *For Up To 100, Add* | *2.07* | |
| | | *For >100 To 200, Add* | *1.09* | |
| | | *For >200 To 500, Add* | *0.44* | |
| 03 21 11 00-0088 | LF | #3, Grade 60, Footings, Steel Reinforcement Bar | 0.79 | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 200, Add* | *0.31* | |
| | | *For >200 To 500, Add* | *0.12* | |
| 03 21 11 00-0089 | LF | #4, Grade 60, Footings, Steel Reinforcement Bar | 1.36 | |
| | | *For Up To 100, Add* | *1.01* | |
| | | *For >100 To 200, Add* | *0.53* | |
| | | *For >200 To 500, Add* | *0.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 11 00-0090 | LF | #5, Grade 60, Footings, Steel Reinforcement Bar | 2.05 | |
| | | *For Up To 100, Add* | *1.54* | |
| | | *For >100 To 200, Add* | *0.81* | |
| | | *For >200 To 500, Add* | *0.33* | |
| 03 21 11 00-0091 | LF | #6, Grade 60, Footings, Steel Reinforcement Bar | 2.85 | |
| | | *For Up To 100, Add* | *2.18* | |
| | | *For >100 To 200, Add* | *1.15* | |
| | | *For >200 To 500, Add* | *0.46* | |
| 03 21 11 00-0092 | LF | #7, Grade 60, Footings, Steel Reinforcement Bar | 3.74 | |
| | | *For Up To 100, Add* | *2.25* | |
| | | *For >100 To 200, Add* | *1.29* | |
| | | *For >200 To 400, Add* | *0.61* | |
| 03 21 11 00-0093 | LF | #8, Grade 60, Footings, Steel Reinforcement Bar | 4.70 | |
| | | *For Up To 100, Add* | *2.88* | |
| | | *For >100 To 200, Add* | *1.64* | |
| | | *For >200 To 400, Add* | *0.78* | |
| 03 21 11 00-0094 | LF | #9, Grade 60, Footings, Steel Reinforcement Bar | 5.82 | |
| | | *For Up To 100, Add* | *3.61* | |
| | | *For >100 To 200, Add* | *2.04* | |
| | | *For >200 To 400, Add* | *0.98* | |
| 03 21 11 00-0095 | LF | #10, Grade 60, Footings, Steel Reinforcement Bar | 7.16 | |
| | | *For Up To 100, Add* | *4.49* | |
| | | *For >100 To 200, Add* | *2.54* | |
| | | *For >200 To 400, Add* | *1.21* | |
| | | *For Up To 100, Add* | *3.64* | |
| | | *For >100 To 200, Add* | *1.93* | |
| | | *For >200 To 300, Add* | *0.96* | |
| 03 21 11 00-0096 | LF | #11, Grade 60, Footings, Steel Reinforcement Bar | 8.60 | |
| | | *For Up To 100, Add* | *5.47* | |
| | | *For >100 To 200, Add* | *3.07* | |
| | | *For >200 To 400, Add* | *1.47* | |
| | | *For Up To 100, Add* | *4.42* | |
| | | *For >100 To 200, Add* | *2.33* | |
| | | *For >200 To 300, Add* | *1.17* | |
| 03 21 11 00-0097 | LF | #14, Grade 60, Footings, Steel Reinforcement Bar | 12.02 | |
| | | *For Up To 100, Add* | *7.74* | |
| | | *For >100 To 200, Add* | *4.33* | |
| | | *For >200 To 400, Add* | *2.09* | |
| | | *For Up To 100, Add* | *6.26* | |
| | | *For >100 To 200, Add* | *3.29* | |
| | | *For >200 To 300, Add* | *1.64* | |
| 03 21 11 00-0098 | LF | #18, Grade 60, Footings, Steel Reinforcement Bar | 20.74 | |
| | | *For Up To 100, Add* | *13.54* | |
| | | *For >100 To 200, Add* | *7.54* | |
| | | *For >200 To 400, Add* | *3.64* | |
| | | *For Up To 100, Add* | *10.93* | |
| | | *For >100 To 200, Add* | *5.72* | |
| | | *For >200 To 300, Add* | *2.86* | |
| 03 21 11 00-0099 | LF | #6, Grade 75, Footings, Steel Reinforcement Bar | 2.97 | |
| | | *For Up To 100, Add* | *2.30* | |
| | | *For >100 To 200, Add* | *1.21* | |
| | | *For >200 To 500, Add* | *0.48* | |
| | | *For Up To 100, Add* | *1.78* | |
| | | *For >100 To 200, Add* | *1.02* | |
| | | *For >200 To 400, Add* | *0.48* | |
| 03 21 11 00-0100 | LF | #7, Grade 75, Footings, Steel Reinforcement Bar | 3.90 | |
| | | *For Up To 100, Add* | *2.37* | |
| | | *For >100 To 200, Add* | *1.35* | |
| | | *For >200 To 400, Add* | *0.64* | |
| 03 21 11 00-0101 | LF | #8, Grade 75, Footings, Steel Reinforcement Bar | 4.91 | |
| | | *For Up To 100, Add* | *3.03* | |
| | | *For >100 To 200, Add* | *1.72* | |
| | | *For >200 To 400, Add* | *0.82* | |
| 03 21 11 00-0102 | LF | #9, Grade 75, Footings, Steel Reinforcement Bar | 6.08 | |
| | | *For Up To 100, Add* | *3.80* | |
| | | *For >100 To 200, Add* | *2.15* | |
| | | *For >200 To 400, Add* | *1.03* | |
| 03 21 11 00-0103 | LF | #10, Grade 75, Footings, Steel Reinforcement Bar | 7.49 | |
| | | *For Up To 100, Add* | *3.84* | |
| | | *For >100 To 200, Add* | *2.03* | |
| | | *For >200 To 300, Add* | *1.01* | |
| 03 21 11 00-0104 | LF | #11, Grade 75, Footings, Steel Reinforcement Bar | 9.00 | |
| | | *For Up To 100, Add* | *4.66* | |
| | | *For >100 To 200, Add* | *2.45* | |
| | | *For >200 To 300, Add* | *1.23* | |
| 03 21 11 00-0105 | LF | #14, Grade 75, Footings, Steel Reinforcement Bar | 12.61 | |
| | | *For Up To 100, Add* | *6.61* | |
| | | *For >100 To 200, Add* | *3.46* | |
| | | *For >200 To 300, Add* | *1.73* | |
| 03 21 11 00-0106 | LF | #18, Grade 75, Footings, Steel Reinforcement Bar | 21.79 | |
| | | *For Up To 100, Add* | *11.56* | |
| | | *For >100 To 200, Add* | *6.03* | |
| | | *For >200 To 300, Add* | *3.02* | |
| 03 21 11 00-0107 | LF | #3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar | 0.82 | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 200, Add* | *0.32* | |
| | | *For >200 To 500, Add* | *0.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 11 00-0108 | LF | #4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar | 1.40 | |
| | | *For Up To 100, Add* | *1.05* | |
| | | *For >100 To 200, Add* | *0.55* | |
| | | *For >200 To 500, Add* | *0.22* | |
| 03 21 11 00-0109 | LF | #5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar | 2.11 | |
| | | *For Up To 100, Add* | *1.60* | |
| | | *For >100 To 200, Add* | *0.84* | |
| | | *For >200 To 500, Add* | *0.34* | |
| 03 21 11 00-0110 | LF | #6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar | 2.94 | |
| | | *For Up To 100, Add* | *2.27* | |
| | | *For >100 To 200, Add* | *1.19* | |
| | | *For >200 To 500, Add* | *0.48* | |
| 03 21 11 00-0111 | LF | #7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar | 3.86 | |
| | | *For Up To 100, Add* | *2.34* | |
| | | *For >100 To 200, Add* | *1.34* | |
| | | *For >200 To 400, Add* | *0.63* | |
| 03 21 11 00-0112 | LF | #8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar | 4.86 | |
| | | *For Up To 100, Add* | *3.00* | |
| | | *For >100 To 200, Add* | *1.70* | |
| | | *For >200 To 400, Add* | *0.81* | |
| 03 21 11 00-0113 | LF | #9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar | 6.01 | |
| | | *For Up To 100, Add* | *3.75* | |
| | | *For >100 To 200, Add* | *2.12* | |
| | | *For >200 To 400, Add* | *1.01* | |
| 03 21 11 00-0114 | LF | #10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar | 7.41 | |
| | | *For Up To 100, Add* | *3.79* | |
| | | *For >100 To 200, Add* | *2.00* | |
| | | *For >200 To 300, Add* | *1.00* | |
| 03 21 11 00-0115 | LF | #11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar | 8.90 | |
| | | *For Up To 100, Add* | *4.60* | |
| | | *For >100 To 200, Add* | *2.42* | |
| | | *For >200 To 300, Add* | *1.21* | |
| 03 21 11 00-0116 | LF | #14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar | 12.46 | |
| | | *For Up To 100, Add* | *6.52* | |
| | | *For >100 To 200, Add* | *3.42* | |
| | | *For >200 To 300, Add* | *1.71* | |
| 03 21 11 00-0117 | LF | #18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar | 21.53 | |
| | | *For Up To 100, Add* | *11.41* | |
| | | *For >100 To 200, Add* | *5.96* | |
| | | *For >200 To 300, Add* | *2.98* | |

## 03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0119 | LF | #3, Grade 40, Slab On Grade, Steel Reinforcement Bar | 0.73 | |
| | | *For Up To 100, Add* | *0.53* | |
| | | *For >100 To 200, Add* | *0.28* | |
| | | *For >200 To 500, Add* | *0.11* | |
| 03 21 11 00-0120 | LF | #4, Grade 40, Slab On Grade, Steel Reinforcement Bar | 1.24 | |
| | | *For Up To 100, Add* | *0.91* | |
| | | *For >100 To 200, Add* | *0.48* | |
| | | *For >200 To 500, Add* | *0.19* | |
| 03 21 11 00-0121 | LF | #5, Grade 40, Slab On Grade, Steel Reinforcement Bar | 1.86 | |
| | | *For Up To 100, Add* | *1.39* | |
| | | *For >100 To 200, Add* | *0.73* | |
| | | *For >200 To 500, Add* | *0.29* | |
| 03 21 11 00-0122 | LF | #6, Grade 40, Slab On Grade, Steel Reinforcement Bar | 2.58 | |
| | | *For Up To 100, Add* | *1.96* | |
| | | *For >100 To 200, Add* | *1.03* | |
| | | *For >200 To 500, Add* | *0.41* | |
| 03 21 11 00-0123 | LF | #3, Grade 50, Slab On Grade, Steel Reinforcement Bar | 0.75 | |
| | | *For Up To 100, Add* | *0.55* | |
| | | *For >100 To 200, Add* | *0.29* | |
| | | *For >200 To 500, Add* | *0.12* | |
| 03 21 11 00-0124 | LF | #4, Grade 50, Slab On Grade, Steel Reinforcement Bar | 1.27 | |
| | | *For Up To 100, Add* | *0.94* | |
| | | *For >100 To 200, Add* | *0.50* | |
| | | *For >200 To 500, Add* | *0.20* | |
| 03 21 11 00-0125 | LF | #5, Grade 50, Slab On Grade, Steel Reinforcement Bar | 1.91 | |
| | | *For Up To 100, Add* | *1.44* | |
| | | *For >100 To 200, Add* | *0.76* | |
| | | *For >200 To 500, Add* | *0.30* | |
| 03 21 11 00-0126 | LF | #6, Grade 50, Slab On Grade, Steel Reinforcement Bar | 2.66 | |
| | | *For Up To 100, Add* | *2.04* | |
| | | *For >100 To 200, Add* | *1.07* | |
| | | *For >200 To 500, Add* | *0.43* | |
| 03 21 11 00-0127 | LF | #3, Grade 60, Slab On Grade, Steel Reinforcement Bar | 0.77 | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 200, Add* | *0.30* | |
| | | *For >200 To 500, Add* | *0.12* | |
| 03 21 11 00-0128 | LF | #4, Grade 60, Slab On Grade, Steel Reinforcement Bar | 1.32 | |
| | | *For Up To 100, Add* | *0.99* | |
| | | *For >100 To 200, Add* | *0.52* | |
| | | *For >200 To 500, Add* | *0.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 11 00-0129 | LF | #5, Grade 60, Slab On Grade, Steel Reinforcement Bar | 1.99 | |
| | | *For Up To 100, Add* | *1.52* | |
| | | *For >100 To 200, Add* | *0.80* | |
| | | *For >200 To 500, Add* | *0.32* | |
| 03 21 11 00-0130 | LF | #6, Grade 60, Slab On Grade, Steel Reinforcement Bar | 2.77 | |
| | | *For Up To 100, Add* | *2.15* | |
| | | *For >100 To 200, Add* | *1.13* | |
| | | *For >200 To 500, Add* | *0.45* | |
| 03 21 11 00-0131 | LF | #7, Grade 60, Slab On Grade, Steel Reinforcement Bar | 3.66 | |
| | | *For Up To 100, Add* | *2.23* | |
| | | *For >100 To 200, Add* | *1.27* | |
| | | *For >200 To 400, Add* | *0.60* | |
| 03 21 11 00-0132 | LF | #8, Grade 60, Slab On Grade, Steel Reinforcement Bar | 4.60 | |
| | | *For Up To 100, Add* | *2.84* | |
| | | *For >100 To 200, Add* | *1.61* | |
| | | *For >200 To 400, Add* | *0.77* | |
| 03 21 11 00-0133 | LF | #9, Grade 60, Slab On Grade, Steel Reinforcement Bar | 5.71 | |
| | | *For Up To 100, Add* | *3.57* | |
| | | *For >100 To 200, Add* | *2.02* | |
| | | *For >200 To 400, Add* | *0.96* | |
| 03 21 11 00-0134 | LF | #10, Grade 60, Slab On Grade, Steel Reinforcement Bar | 7.03 | |
| | | *For Up To 100, Add* | *3.60* | |
| | | *For >100 To 200, Add* | *1.90* | |
| | | *For >200 To 300, Add* | *0.95* | |
| 03 21 11 00-0135 | LF | #11, Grade 60, Slab On Grade, Steel Reinforcement Bar | 8.46 | |
| | | *For Up To 100, Add* | *4.38* | |
| | | *For >100 To 200, Add* | *2.31* | |
| | | *For >200 To 300, Add* | *1.15* | |
| 03 21 11 00-0136 | LF | #14, Grade 60, Slab On Grade, Steel Reinforcement Bar | 11.83 | |
| | | *For Up To 100, Add* | *6.20* | |
| | | *For >100 To 200, Add* | *3.25* | |
| | | *For >200 To 300, Add* | *1.62* | |
| 03 21 11 00-0137 | LF | #18, Grade 60, Slab On Grade, Steel Reinforcement Bar | 20.44 | |
| | | *For Up To 100, Add* | *10.84* | |
| | | *For >100 To 200, Add* | *5.66* | |
| | | *For >200 To 300, Add* | *2.83* | |
| 03 21 11 00-0138 | LF | #6, Grade 75, Slab On Grade, Steel Reinforcement Bar | 2.89 | |
| | | *For Up To 100, Add* | *2.27* | |
| | | *For >100 To 200, Add* | *1.19* | |
| | | *For >200 To 500, Add* | *0.47* | |
| 03 21 11 00-0139 | LF | #7, Grade 75, Slab On Grade, Steel Reinforcement Bar | 3.82 | |
| | | *For Up To 100, Add* | *2.35* | |
| | | *For >100 To 200, Add* | *1.33* | |
| | | *For >200 To 400, Add* | *0.63* | |
| 03 21 11 00-0140 | LF | #8, Grade 75, Slab On Grade, Steel Reinforcement Bar | 4.81 | |
| | | *For Up To 100, Add* | *3.00* | |
| | | *For >100 To 200, Add* | *1.70* | |
| | | *For >200 To 400, Add* | *0.81* | |
| 03 21 11 00-0141 | LF | #9, Grade 75, Slab On Grade, Steel Reinforcement Bar | 5.97 | |
| | | *For Up To 100, Add* | *3.77* | |
| | | *For >100 To 200, Add* | *2.12* | |
| | | *For >200 To 400, Add* | *1.02* | |
| 03 21 11 00-0142 | LF | #10, Grade 75, Slab On Grade, Steel Reinforcement Bar | 7.36 | |
| | | *For Up To 100, Add* | *3.80* | |
| | | *For >100 To 200, Add* | *2.00* | |
| | | *For >200 To 300, Add* | *1.00* | |
| 03 21 11 00-0143 | LF | #11, Grade 75, Slab On Grade, Steel Reinforcement Bar | 8.86 | |
| | | *For Up To 100, Add* | *4.62* | |
| | | *For >100 To 200, Add* | *2.43* | |
| | | *For >200 To 300, Add* | *1.21* | |
| 03 21 11 00-0144 | LF | #14, Grade 75, Slab On Grade, Steel Reinforcement Bar | 12.42 | |
| | | *For Up To 100, Add* | *6.55* | |
| | | *For >100 To 200, Add* | *3.43* | |
| | | *For >200 To 300, Add* | *1.71* | |
| 03 21 11 00-0145 | LF | #18, Grade 75, Slab On Grade, Steel Reinforcement Bar | 21.49 | |
| | | *For Up To 100, Add* | *11.47* | |
| | | *For >100 To 200, Add* | *5.97* | |
| | | *For >200 To 300, Add* | *2.99* | |
| 03 21 11 00-0146 | LF | #3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar | 0.80 | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 200, Add* | *0.32* | |
| | | *For >200 To 500, Add* | *0.13* | |
| 03 21 11 00-0147 | LF | #4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar | 1.36 | |
| | | *For Up To 100, Add* | *1.03* | |
| | | *For >100 To 200, Add* | *0.54* | |
| | | *For >200 To 500, Add* | *0.22* | |
| 03 21 11 00-0148 | LF | #5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar | 2.05 | |
| | | *For Up To 100, Add* | *1.58* | |
| | | *For >100 To 200, Add* | *0.83* | |
| | | *For >200 To 500, Add* | *0.33* | |
| 03 21 11 00-0149 | LF | #6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar | 2.86 | |
| | | *For Up To 100, Add* | *2.24* | |
| | | *For >100 To 200, Add* | *1.17* | |
| | | *For >200 To 500, Add* | *0.47* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 11 00-0150 | LF | #7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar | 3.78 | |
| | | *For Up To 100, Add* | *2.32* | |
| | | *For >100 To 200, Add* | *1.32* | |
| | | *For >200 To 400, Add* | *0.63* | |
| 03 21 11 00-0151 | LF | #8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar | 4.76 | |
| | | *For Up To 100, Add* | *2.96* | |
| | | *For >100 To 200, Add* | *1.68* | |
| | | *For >200 To 400, Add* | *0.80* | |
| 03 21 11 00-0152 | LF | #9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar | 5.90 | |
| | | *For Up To 100, Add* | *3.71* | |
| | | *For >100 To 200, Add* | *2.09* | |
| | | *For >200 To 400, Add* | *1.00* | |
| 03 21 11 00-0153 | LF | #10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar | 7.28 | |
| | | *For Up To 100, Add* | *3.75* | |
| | | *For >100 To 200, Add* | *1.98* | |
| | | *For >200 To 300, Add* | *0.99* | |
| 03 21 11 00-0154 | LF | #11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar | 8.76 | |
| | | *For Up To 100, Add* | *4.56* | |
| | | *For >100 To 200, Add* | *2.40* | |
| | | *For >200 To 300, Add* | *1.20* | |
| 03 21 11 00-0155 | LF | #14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar | 12.27 | |
| | | *For Up To 100, Add* | *6.46* | |
| | | *For >100 To 200, Add* | *3.38* | |
| | | *For >200 To 300, Add* | *1.69* | |
| 03 21 11 00-0156 | LF | #18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar | 21.23 | |
| | | *For Up To 100, Add* | *11.32* | |
| | | *For >100 To 200, Add* | *5.90* | |
| | | *For >200 To 300, Add* | *2.95* | |

## 03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0158 | LF | #3, Grade 40, Elevated Slabs, Steel Reinforcement Bar | 0.68 | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 200, Add* | *0.27* | |
| | | *For >200 To 500, Add* | *0.11* | |
| 03 21 11 00-0159 | LF | #4, Grade 40, Elevated Slabs, Steel Reinforcement Bar | 1.17 | |
| | | *For Up To 100, Add* | *0.88* | |
| | | *For >100 To 200, Add* | *0.47* | |
| | | *For >200 To 500, Add* | *0.19* | |
| 03 21 11 00-0160 | LF | #5, Grade 40, Elevated Slabs, Steel Reinforcement Bar | 1.76 | |
| | | *For Up To 100, Add* | *1.35* | |
| | | *For >100 To 200, Add* | *0.71* | |
| | | *For >200 To 500, Add* | *0.28* | |
| 03 21 11 00-0161 | LF | #6, Grade 40, Elevated Slabs, Steel Reinforcement Bar | 2.45 | |
| | | *For Up To 100, Add* | *1.90* | |
| | | *For >100 To 200, Add* | *1.00* | |
| | | *For >200 To 500, Add* | *0.40* | |
| 03 21 11 00-0162 | LF | #3, Grade 50, Elevated Slabs, Steel Reinforcement Bar | 0.70 | |
| | | *For Up To 100, Add* | *0.53* | |
| | | *For >100 To 200, Add* | *0.28* | |
| | | *For >200 To 500, Add* | *0.11* | |
| 03 21 11 00-0163 | LF | #4, Grade 50, Elevated Slabs, Steel Reinforcement Bar | 1.20 | |
| | | *For Up To 100, Add* | *0.91* | |
| | | *For >100 To 200, Add* | *0.48* | |
| | | *For >200 To 500, Add* | *0.19* | |
| 03 21 11 00-0164 | LF | #5, Grade 50, Elevated Slabs, Steel Reinforcement Bar | 1.81 | |
| | | *For Up To 100, Add* | *1.40* | |
| | | *For >100 To 200, Add* | *0.73* | |
| | | *For >200 To 500, Add* | *0.29* | |
| 03 21 11 00-0165 | LF | #6, Grade 50, Elevated Slabs, Steel Reinforcement Bar | 2.53 | |
| | | *For Up To 100, Add* | *1.98* | |
| | | *For >100 To 200, Add* | *1.04* | |
| | | *For >200 To 500, Add* | *0.42* | |
| 03 21 11 00-0166 | LF | #3, Grade 60, Elevated Slabs, Steel Reinforcement Bar | 0.72 | |
| | | *For Up To 100, Add* | *0.55* | |
| | | *For >100 To 200, Add* | *0.29* | |
| | | *For >200 To 500, Add* | *0.12* | |
| 03 21 11 00-0167 | LF | #4, Grade 60, Elevated Slabs, Steel Reinforcement Bar | 1.25 | |
| | | *For Up To 100, Add* | *0.96* | |
| | | *For >100 To 200, Add* | *0.51* | |
| | | *For >200 To 500, Add* | *0.20* | |
| 03 21 11 00-0168 | LF | #5, Grade 60, Elevated Slabs, Steel Reinforcement Bar | 1.89 | |
| | | *For Up To 100, Add* | *1.48* | |
| | | *For >100 To 200, Add* | *0.77* | |
| | | *For >200 To 500, Add* | *0.31* | |
| 03 21 11 00-0169 | LF | #6, Grade 60, Elevated Slabs, Steel Reinforcement Bar | 2.64 | |
| | | *For Up To 100, Add* | *2.09* | |
| | | *For >100 To 200, Add* | *1.09* | |
| | | *For >200 To 500, Add* | *0.44* | |
| 03 21 11 00-0170 | LF | #7, Grade 60, Elevated Slabs, Steel Reinforcement Bar | 3.50 | |
| | | *For Up To 100, Add* | *2.17* | |
| | | *For >100 To 200, Add* | *1.23* | |
| | | *For >200 To 400, Add* | *0.59* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 11 00-0171 | LF | #8, Grade 60, Elevated Slabs, Steel Reinforcement Bar | 4.40 | |
| | | *For Up To 100, Add* | *2.77* | |
| | | *For >100 To 200, Add* | *1.56* | |
| | | *For >200 To 400, Add* | *0.75* | |
| 03 21 11 00-0172 | LF | #9, Grade 60, Elevated Slabs, Steel Reinforcement Bar | 5.49 | |
| | | *For Up To 100, Add* | *3.49* | |
| | | *For >100 To 200, Add* | *1.96* | |
| | | *For >200 To 400, Add* | *0.94* | |
| 03 21 11 00-0173 | LF | #10, Grade 60, Elevated Slabs, Steel Reinforcement Bar | 6.78 | |
| | | *For Up To 100, Add* | *3.53* | |
| | | *For >100 To 200, Add* | *1.85* | |
| | | *For >200 To 300, Add* | *0.93* | |
| 03 21 11 00-0174 | LF | #11, Grade 60, Elevated Slabs, Steel Reinforcement Bar | 8.17 | |
| | | *For Up To 100, Add* | *4.29* | |
| | | *For >100 To 200, Add* | *2.25* | |
| | | *For >200 To 300, Add* | *1.12* | |
| 03 21 11 00-0175 | LF | #14, Grade 60, Elevated Slabs, Steel Reinforcement Bar | 11.46 | |
| | | *For Up To 100, Add* | *6.09* | |
| | | *For >100 To 200, Add* | *3.18* | |
| | | *For >200 To 300, Add* | *1.59* | |
| 03 21 11 00-0176 | LF | #18, Grade 60, Elevated Slabs, Steel Reinforcement Bar | 19.86 | |
| | | *For Up To 100, Add* | *10.67* | |
| | | *For >100 To 200, Add* | *5.54* | |
| | | *For >200 To 300, Add* | *2.77* | |
| 03 21 11 00-0177 | LF | #6, Grade 75, Elevated Slabs, Steel Reinforcement Bar | 2.76 | |
| | | *For Up To 100, Add* | *2.21* | |
| | | *For >100 To 200, Add* | *1.15* | |
| | | *For >200 To 500, Add* | *0.46* | |
| 03 21 11 00-0178 | LF | #7, Grade 75, Elevated Slabs, Steel Reinforcement Bar | 3.66 | |
| | | *For Up To 100, Add* | *2.29* | |
| | | *For >100 To 200, Add* | *1.29* | |
| | | *For >200 To 400, Add* | *0.62* | |
| 03 21 11 00-0179 | LF | #8, Grade 75, Elevated Slabs, Steel Reinforcement Bar | 4.61 | |
| | | *For Up To 100, Add* | *2.93* | |
| | | *For >100 To 200, Add* | *1.65* | |
| | | *For >200 To 400, Add* | *0.79* | |
| 03 21 11 00-0180 | LF | #9, Grade 75, Elevated Slabs, Steel Reinforcement Bar | 5.75 | |
| | | *For Up To 100, Add* | *3.69* | |
| | | *For >100 To 200, Add* | *2.07* | |
| | | *For >200 To 400, Add* | *0.99* | |
| 03 21 11 00-0181 | LF | #10, Grade 75, Elevated Slabs, Steel Reinforcement Bar | 7.11 | |
| | | *For Up To 100, Add* | *3.72* | |
| | | *For >100 To 200, Add* | *1.95* | |
| | | *For >200 To 300, Add* | *0.98* | |
| 03 21 11 00-0182 | LF | #11, Grade 75, Elevated Slabs, Steel Reinforcement Bar | 8.57 | |
| | | *For Up To 100, Add* | *4.53* | |
| | | *For >100 To 200, Add* | *2.37* | |
| | | *For >200 To 300, Add* | *1.18* | |
| 03 21 11 00-0183 | LF | #14, Grade 75, Elevated Slabs, Steel Reinforcement Bar | 12.05 | |
| | | *For Up To 100, Add* | *6.44* | |
| | | *For >100 To 200, Add* | *3.35* | |
| | | *For >200 To 300, Add* | *1.68* | |
| 03 21 11 00-0184 | LF | #18, Grade 75, Elevated Slabs, Steel Reinforcement Bar | 20.91 | |
| | | *For Up To 100, Add* | *11.30* | |
| | | *For >100 To 200, Add* | *5.86* | |
| | | *For >200 To 300, Add* | *2.93* | |
| 03 21 11 00-0185 | LF | #3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar | 0.75 | |
| | | *For Up To 100, Add* | *0.58* | |
| | | *For >100 To 200, Add* | *0.30* | |
| | | *For >200 To 500, Add* | *0.12* | |
| 03 21 11 00-0186 | LF | #4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar | 1.29 | |
| | | *For Up To 100, Add* | *1.00* | |
| | | *For >100 To 200, Add* | *0.53* | |
| | | *For >200 To 500, Add* | *0.21* | |
| 03 21 11 00-0187 | LF | #5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar | 1.95 | |
| | | *For Up To 100, Add* | *1.54* | |
| | | *For >100 To 200, Add* | *0.80* | |
| | | *For >200 To 500, Add* | *0.32* | |
| 03 21 11 00-0188 | LF | #6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar | 2.73 | |
| | | *For Up To 100, Add* | *2.18* | |
| | | *For >100 To 200, Add* | *1.14* | |
| | | *For >200 To 500, Add* | *0.46* | |
| 03 21 11 00-0189 | LF | #7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar | 3.62 | |
| | | *For Up To 100, Add* | *2.26* | |
| | | *For >100 To 200, Add* | *1.28* | |
| | | *For >200 To 400, Add* | *0.61* | |
| 03 21 11 00-0190 | LF | #8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar | 4.56 | |
| | | *For Up To 100, Add* | *2.89* | |
| | | *For >100 To 200, Add* | *1.63* | |
| | | *For >200 To 400, Add* | *0.78* | |
| 03 21 11 00-0191 | LF | #9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar | 5.68 | |
| | | *For Up To 100, Add* | *3.64* | |
| | | *For >100 To 200, Add* | *2.04* | |
| | | *For >200 To 400, Add* | *0.98* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 11 00-0192 | LF | #10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar | 7.03 | |
| | | *For Up To 100, Add* | *3.68* | |
| | | *For >100 To 200, Add* | *1.93* | |
| | | *For >200 To 300, Add* | *0.96* | |
| 03 21 11 00-0193 | LF | #11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar | 8.47 | |
| | | *For Up To 100, Add* | *4.47* | |
| | | *For >100 To 200, Add* | *2.34* | |
| | | *For >200 To 300, Add* | *1.17* | |
| 03 21 11 00-0194 | LF | #14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar | 11.90 | |
| | | *For Up To 100, Add* | *6.35* | |
| | | *For >100 To 200, Add* | *3.31* | |
| | | *For >200 To 300, Add* | *1.65* | |
| 03 21 11 00-0195 | LF | #18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar | 20.65 | |
| | | *For Up To 100, Add* | *11.14* | |
| | | *For >100 To 200, Add* | *5.78* | |
| | | *For >200 To 300, Add* | *2.89* | |

## 03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0197 | LF | #3, Grade 40, Walls, Steel Reinforcement Bar | 0.66 | |
| | | *For Up To 100, Add* | *0.50* | |
| | | *For >100 To 200, Add* | *0.26* | |
| | | *For >200 To 500, Add* | *0.11* | |
| 03 21 11 00-0198 | LF | #4, Grade 40, Walls, Steel Reinforcement Bar | 1.14 | |
| | | *For Up To 100, Add* | *0.87* | |
| | | *For >100 To 200, Add* | *0.46* | |
| | | *For >200 To 500, Add* | *0.18* | |
| 03 21 11 00-0199 | LF | #5, Grade 40, Walls, Steel Reinforcement Bar | 1.71 | |
| | | *For Up To 100, Add* | *1.33* | |
| | | *For >100 To 200, Add* | *0.70* | |
| | | *For >200 To 500, Add* | *0.28* | |
| 03 21 11 00-0200 | LF | #6, Grade 40, Walls, Steel Reinforcement Bar | 2.39 | |
| | | *For Up To 100, Add* | *1.88* | |
| | | *For >100 To 200, Add* | *0.98* | |
| | | *For >200 To 500, Add* | *0.39* | |
| 03 21 11 00-0201 | LF | #3, Grade 50, Walls, Steel Reinforcement Bar | 0.68 | |
| | | *For Up To 100, Add* | *0.52* | |
| | | *For >100 To 200, Add* | *0.27* | |
| | | *For >200 To 500, Add* | *0.11* | |
| 03 21 11 00-0202 | LF | #4, Grade 50, Walls, Steel Reinforcement Bar | 1.17 | |
| | | *For Up To 100, Add* | *0.90* | |
| | | *For >100 To 200, Add* | *0.47* | |
| | | *For >200 To 500, Add* | *0.19* | |
| 03 21 11 00-0203 | LF | #5, Grade 50, Walls, Steel Reinforcement Bar | 1.76 | |
| | | *For Up To 100, Add* | *1.38* | |
| | | *For >100 To 200, Add* | *0.72* | |
| | | *For >200 To 500, Add* | *0.29* | |
| 03 21 11 00-0204 | LF | #6, Grade 50, Walls, Steel Reinforcement Bar | 2.47 | |
| | | *For Up To 100, Add* | *1.96* | |
| | | *For >100 To 200, Add* | *1.02* | |
| | | *For >200 To 500, Add* | *0.41* | |
| 03 21 11 00-0205 | LF | #3, Grade 60, Walls, Steel Reinforcement Bar | 0.70 | |
| | | *For Up To 100, Add* | *0.54* | |
| | | *For >100 To 200, Add* | *0.28* | |
| | | *For >200 To 500, Add* | *0.11* | |
| 03 21 11 00-0206 | LF | #4, Grade 60, Walls, Steel Reinforcement Bar | 1.22 | |
| | | *For Up To 100, Add* | *0.95* | |
| | | *For >100 To 200, Add* | *0.50* | |
| | | *For >200 To 500, Add* | *0.20* | |
| 03 21 11 00-0207 | LF | #5, Grade 60, Walls, Steel Reinforcement Bar | 1.84 | |
| | | *For Up To 100, Add* | *1.46* | |
| | | *For >100 To 200, Add* | *0.76* | |
| | | *For >200 To 500, Add* | *0.30* | |
| 03 21 11 00-0208 | LF | #6, Grade 60, Walls, Steel Reinforcement Bar | 2.58 | |
| | | *For Up To 100, Add* | *2.07* | |
| | | *For >100 To 200, Add* | *1.08* | |
| | | *For >200 To 500, Add* | *0.43* | |
| 03 21 11 00-0209 | LF | #7, Grade 60, Walls, Steel Reinforcement Bar | 3.40 | |
| | | *For Up To 100, Add* | *2.13* | |
| | | *For >100 To 200, Add* | *1.20* | |
| | | *For >200 To 400, Add* | *0.58* | |
| 03 21 11 00-0210 | LF | #8, Grade 60, Walls, Steel Reinforcement Bar | 4.32 | |
| | | *For Up To 100, Add* | *2.74* | |
| | | *For >100 To 200, Add* | *1.54* | |
| | | *For >200 To 400, Add* | *0.74* | |
| 03 21 11 00-0211 | LF | #9, Grade 60, Walls, Steel Reinforcement Bar | 5.38 | |
| | | *For Up To 100, Add* | *3.46* | |
| | | *For >100 To 200, Add* | *1.93* | |
| | | *For >200 To 400, Add* | *0.93* | |
| 03 21 11 00-0212 | LF | #10, Grade 60, Walls, Steel Reinforcement Bar | 6.65 | |
| | | *For Up To 100, Add* | *3.49* | |
| | | *For >100 To 200, Add* | *1.83* | |
| | | *For >200 To 300, Add* | *0.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 11 00-0213 | LF | #11, Grade 60, Walls, Steel Reinforcement Bar | 8.03 | |
| | | *For Up To 100, Add* | *4.25* | |
| | | *For >100 To 200, Add* | *2.22* | |
| | | *For >200 To 300, Add* | *1.11* | |
| 03 21 11 00-0214 | LF | #14, Grade 60, Walls, Steel Reinforcement Bar | 11.27 | |
| | | *For Up To 100, Add* | *6.03* | |
| | | *For >100 To 200, Add* | *3.14* | |
| | | *For >200 To 300, Add* | *1.57* | |
| 03 21 11 00-0215 | LF | #18, Grade 60, Walls, Steel Reinforcement Bar | 19.56 | |
| | | *For Up To 100, Add* | *10.58* | |
| | | *For >100 To 200, Add* | *5.48* | |
| | | *For >200 To 300, Add* | *2.74* | |
| 03 21 11 00-0216 | LF | #6, Grade 75, Walls, Steel Reinforcement Bar | 2.70 | |
| | | *For Up To 100, Add* | *2.19* | |
| | | *For >100 To 200, Add* | *1.14* | |
| | | *For >200 To 500, Add* | *0.46* | |
| 03 21 11 00-0217 | LF | #7, Grade 75, Walls, Steel Reinforcement Bar | 3.56 | |
| | | *For Up To 100, Add* | *2.25* | |
| | | *For >100 To 200, Add* | *1.27* | |
| | | *For >200 To 400, Add* | *0.61* | |
| 03 21 11 00-0218 | LF | #8, Grade 75, Walls, Steel Reinforcement Bar | 4.53 | |
| | | *For Up To 100, Add* | *2.90* | |
| | | *For >100 To 200, Add* | *1.63* | |
| | | *For >200 To 400, Add* | *0.78* | |
| 03 21 11 00-0219 | LF | #9, Grade 75, Walls, Steel Reinforcement Bar | 5.64 | |
| | | *For Up To 100, Add* | *3.65* | |
| | | *For >100 To 200, Add* | *2.04* | |
| | | *For >200 To 400, Add* | *0.98* | |
| 03 21 11 00-0220 | LF | #10, Grade 75, Walls, Steel Reinforcement Bar | 6.98 | |
| | | *For Up To 100, Add* | *3.68* | |
| | | *For >100 To 200, Add* | *1.93* | |
| | | *For >200 To 300, Add* | *0.96* | |
| 03 21 11 00-0221 | LF | #11, Grade 75, Walls, Steel Reinforcement Bar | 8.43 | |
| | | *For Up To 100, Add* | *4.49* | |
| | | *For >100 To 200, Add* | *2.34* | |
| | | *For >200 To 300, Add* | *1.17* | |
| 03 21 11 00-0222 | LF | #14, Grade 75, Walls, Steel Reinforcement Bar | 11.86 | |
| | | *For Up To 100, Add* | *6.38* | |
| | | *For >100 To 200, Add* | *3.31* | |
| | | *For >200 To 300, Add* | *1.66* | |
| 03 21 11 00-0223 | LF | #18, Grade 75, Walls, Steel Reinforcement Bar | 20.61 | |
| | | *For Up To 100, Add* | *11.21* | |
| | | *For >100 To 200, Add* | *5.80* | |
| | | *For >200 To 300, Add* | *2.90* | |
| 03 21 11 00-0224 | LF | #3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar | 0.73 | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 200, Add* | *0.30* | |
| | | *For >200 To 500, Add* | *0.12* | |
| 03 21 11 00-0225 | LF | #4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar | 1.26 | |
| | | *For Up To 100, Add* | *0.99* | |
| | | *For >100 To 200, Add* | *0.52* | |
| | | *For >200 To 500, Add* | *0.21* | |
| 03 21 11 00-0226 | LF | #5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar | 1.90 | |
| | | *For Up To 100, Add* | *1.52* | |
| | | *For >100 To 200, Add* | *0.79* | |
| | | *For >200 To 500, Add* | *0.32* | |
| 03 21 11 00-0227 | LF | #6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar | 2.67 | |
| | | *For Up To 100, Add* | *2.16* | |
| | | *For >100 To 200, Add* | *1.12* | |
| | | *For >200 To 500, Add* | *0.45* | |
| 03 21 11 00-0228 | LF | #7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar | 3.52 | |
| | | *For Up To 100, Add* | *2.22* | |
| | | *For >100 To 200, Add* | *1.25* | |
| | | *For >200 To 400, Add* | *0.60* | |
| 03 21 11 00-0229 | LF | #8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar | 4.48 | |
| | | *For Up To 100, Add* | *2.86* | |
| | | *For >100 To 200, Add* | *1.61* | |
| | | *For >200 To 400, Add* | *0.77* | |
| 03 21 11 00-0230 | LF | #9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar | 5.57 | |
| | | *For Up To 100, Add* | *3.60* | |
| | | *For >100 To 200, Add* | *2.01* | |
| | | *For >200 To 400, Add* | *0.97* | |
| 03 21 11 00-0231 | LF | #10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar | 6.90 | |
| | | *For Up To 100, Add* | *3.64* | |
| | | *For >100 To 200, Add* | *1.90* | |
| | | *For >200 To 300, Add* | *0.95* | |
| 03 21 11 00-0232 | LF | #11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar | 8.33 | |
| | | *For Up To 100, Add* | *4.43* | |
| | | *For >100 To 200, Add* | *2.31* | |
| | | *For >200 To 300, Add* | *1.16* | |
| 03 21 11 00-0233 | LF | #14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar | 11.71 | |
| | | *For Up To 100, Add* | *6.29* | |
| | | *For >100 To 200, Add* | *3.27* | |
| | | *For >200 To 300, Add* | *1.63* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 11 00-0234 | LF | #18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar | 20.35 | |
| | | *For Up To 100, Add* | *11.05* | |
| | | *For >100 To 200, Add* | *5.72* | |
| | | *For >200 To 300, Add* | *2.86* | |

## 03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

## 03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0237 | EA | Thermal Type Mechanical Joint Connection, Add Per Splice | 285.29 | |

## 03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0239 | EA | Screwed Type Mechanical Joint Connection, Add Per Splice | 154.50 | |

## 03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

Note: Excludes drilling. See CSI section 02 41 19 13-0279 for drilling in concrete.

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0241 | EA | 3/8" Diameter x 24" Long, Deformed Straight Dowel | 3.16 | |
| | | *For Up To 12" Length, Deduct* | *-0.49* | |
| | | *For >12" To <24" Length, Deduct* | *-0.25* | |
| 03 21 11 00-0242 | EA | 1/2" Diameter x 24" Long, Deformed Straight Dowel | 3.83 | |
| | | *For Up To 12" Length, Deduct* | *-0.65* | |
| | | *For >12" To <24" Length, Deduct* | *-0.32* | |
| 03 21 11 00-0243 | EA | 5/8" Diameter x 24" Long, Deformed Straight Dowel | 4.89 | |
| | | *For Up To 12" Length, Deduct* | *-1.02* | |
| | | *For >12" To <24" Length, Deduct* | *-0.51* | |
| 03 21 11 00-0244 | EA | 3/4" Diameter x 24" Long, Deformed Straight Dowel | 6.15 | |
| | | *For Up To 12" Length, Deduct* | *-1.48* | |
| | | *For >12" To <24" Length, Deduct* | *-0.74* | |
| 03 21 11 00-0245 | EA | 7/8" Diameter x 24" Long, Deformed Straight Dowel | 7.53 | |
| | | *For Up To 12" Length, Deduct* | *-2.06* | |
| | | *For >12" To <24" Length, Deduct* | *-1.03* | |
| 03 21 11 00-0246 | EA | 1" Diameter x 24" Long, Deformed Straight Dowel | 9.53 | |
| | | *For Up To 12" Length, Deduct* | *-2.64* | |
| | | *For >12" To <24" Length, Deduct* | *-1.32* | |
| 03 21 11 00-0247 | EA | 1-1/8" Diameter x 24" Long, Deformed Straight Dowel | 11.35 | |
| | | *For Up To 12" Length, Deduct* | *-3.25* | |
| | | *For >12" To <24" Length, Deduct* | *-1.62* | |
| 03 21 11 00-0248 | EA | 1-1/4" Diameter x 24" Long, Deformed Straight Dowel | 14.15 | |
| | | *For Up To 12" Length, Deduct* | *-4.25* | |
| | | *For >12" To <24" Length, Deduct* | *-2.12* | |
| 03 21 11 00-0249 | EA | 1-3/8" Diameter x 24" Long, Deformed Straight Dowel | 16.97 | |
| | | *For Up To 12" Length, Deduct* | *-5.24* | |
| | | *For >12" To <24" Length, Deduct* | *-2.62* | |

## 03 21 11 00-0250 Spirals, Reinforcing Steel *(03 21 11)*

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0251 | TON | Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel | 3,612.82 | |
| | | *For Grade 75, Add* | *136.86* | |
| 03 21 11 00-0252 | TON | >15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel | 3,569.90 | |
| | | *For Grade 75, Add* | *136.86* | |
| 03 21 11 00-0253 | TON | >24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel | 3,537.18 | |
| | | *For Grade 75, Add* | *136.86* | |
| 03 21 11 00-0254 | TON | >36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel | 3,483.64 | |
| | | *For Grade 75, Add* | *136.86* | |
| 03 21 11 00-0255 | TON | >48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel | 3,411.25 | |
| | | *For Grade 75, Add* | *136.86* | |
| 03 21 11 00-0256 | TON | >64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel | 3,384.54 | |
| | | *For Grade 75, Add* | *140.23* | |
| 03 21 11 00-0257 | TON | >84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel | 3,323.94 | |
| | | *For Grade 75, Add* | *140.23* | |

## 03 21 11 00-0258 Dowel Or Hairpin, Drilled And Epoxy Into Concrete *(03 21 11)*

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0259 | EA | Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment | 26.91 | |
| 03 21 11 00-0260 | EA | Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment | 28.18 | |

## 03 21 11 00-0261 Accessories For Reinforcing Steel *(03 21 11)*

## 03 21 11 00-0262 Reinforcing Steel Lap-Weld Splice *(03 21 11 00-0261)*

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0263 | EA | Up To #6 Reinforcing Steel Lap-Weld Splice | 70.40 | |
| 03 21 11 00-0264 | EA | >#6 Reinforcing Steel Lap-Weld Splice | 113.84 | |

## 03 21 11 00-0265 Reinforcing Steel Sleeve And Wedge Splice Joint *(03 21 11 00-0261)*

| | | | | |
|---|---|---|---|---|
| 03 21 11 00-0266 | EA | Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint | 37.80 | |
| 03 21 11 00-0267 | EA | #5 Reinforcing Steel, Sleeve And Wedge Splice Joint | 60.33 | |
| 03 21 11 00-0268 | EA | #6 Reinforcing Steel, Sleeve And Wedge Splice Joint | 92.80 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 03 21 13 Galvanized Reinforcement Steel Bars *(03 21)*

### 03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 13 00-0002 | LF | #3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar | 1.00 | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 200, Add* | *0.40* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 13 00-0003 | LF | #4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar | 1.72 | |
| | | *For Up To 100, Add* | *1.31* | |
| | | *For >100 To 200, Add* | *0.69* | |
| | | *For >200 To 500, Add* | *0.28* | |
| 03 21 13 00-0004 | LF | #5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar | 2.61 | |
| | | *For Up To 100, Add* | *2.02* | |
| | | *For >100 To 200, Add* | *1.06* | |
| | | *For >200 To 500, Add* | *0.42* | |
| 03 21 13 00-0005 | LF | #6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar | 3.64 | |
| | | *For Up To 100, Add* | *2.85* | |
| | | *For >100 To 200, Add* | *1.49* | |
| | | *For >200 To 500, Add* | *0.60* | |
| 03 21 13 00-0006 | LF | #3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar | 1.02 | |
| | | *For Up To 100, Add* | *0.77* | |
| | | *For >100 To 200, Add* | *0.41* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 13 00-0007 | LF | #4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar | 1.75 | |
| | | *For Up To 100, Add* | *1.34* | |
| | | *For >100 To 200, Add* | *0.71* | |
| | | *For >200 To 500, Add* | *0.28* | |
| 03 21 13 00-0008 | LF | #5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar | 2.66 | |
| | | *For Up To 100, Add* | *2.07* | |
| | | *For >100 To 200, Add* | *1.08* | |
| | | *For >200 To 500, Add* | *0.43* | |
| 03 21 13 00-0009 | LF | #6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar | 3.72 | |
| | | *For Up To 100, Add* | *2.93* | |
| | | *For >100 To 200, Add* | *1.53* | |
| | | *For >200 To 500, Add* | *0.61* | |
| 03 21 13 00-0010 | LF | #3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar | 1.05 | |
| | | *For Up To 100, Add* | *0.80* | |
| | | *For >100 To 200, Add* | *0.42* | |
| | | *For >200 To 500, Add* | *0.17* | |
| 03 21 13 00-0011 | LF | #4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar | 1.80 | |
| | | *For Up To 100, Add* | *1.39* | |
| | | *For >100 To 200, Add* | *0.73* | |
| | | *For >200 To 500, Add* | *0.29* | |
| 03 21 13 00-0012 | LF | #5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar | 2.74 | |
| | | *For Up To 100, Add* | *2.15* | |
| | | *For >100 To 200, Add* | *1.12* | |
| | | *For >200 To 500, Add* | *0.45* | |
| 03 21 13 00-0013 | LF | #6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar | 3.83 | |
| | | *For Up To 100, Add* | *3.04* | |
| | | *For >100 To 200, Add* | *1.59* | |
| | | *For >200 To 500, Add* | *0.64* | |
| 03 21 13 00-0014 | LF | #7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar | 5.05 | |
| | | *For Up To 100, Add* | *3.14* | |
| | | *For >100 To 200, Add* | *1.78* | |
| | | *For >200 To 400, Add* | *0.85* | |
| 03 21 13 00-0015 | LF | #8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar | 6.39 | |
| | | *For Up To 100, Add* | *4.03* | |
| | | *For >100 To 200, Add* | *2.27* | |
| | | *For >200 To 400, Add* | *1.09* | |
| 03 21 13 00-0016 | LF | #9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar | 7.93 | |
| | | *For Up To 100, Add* | *5.06* | |
| | | *For >100 To 200, Add* | *2.84* | |
| | | *For >200 To 400, Add* | *1.36* | |
| 03 21 13 00-0017 | LF | #10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar | 9.81 | |
| | | *For Up To 100, Add* | *5.11* | |
| | | *For >100 To 200, Add* | *2.69* | |
| | | *For >200 To 300, Add* | *1.34* | |
| 03 21 13 00-0018 | LF | #11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar | 11.83 | |
| | | *For Up To 100, Add* | *6.23* | |
| | | *For >100 To 200, Add* | *3.26* | |
| | | *For >200 To 300, Add* | *1.63* | |
| 03 21 13 00-0019 | LF | #14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar | 16.61 | |
| | | *For Up To 100, Add* | *8.84* | |
| | | *For >100 To 200, Add* | *4.61* | |
| | | *For >200 To 300, Add* | *2.30* | |
| 03 21 13 00-0020 | LF | #18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar | 28.79 | |
| | | *For Up To 100, Add* | *15.49* | |
| | | *For >100 To 200, Add* | *8.04* | |
| | | *For >200 To 300, Add* | *4.02* | |
| 03 21 13 00-0021 | LF | #6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar | 3.95 | |
| | | *For Up To 100, Add* | *3.16* | |
| | | *For >100 To 200, Add* | *1.65* | |
| | | *For >200 To 500, Add* | *0.66* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 13 00-0022 | LF | #7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar | 5.21 | |
| | | *For Up To 100, Add* | *3.26* | |
| | | *For >100 To 200, Add* | *1.84* | |
| | | *For >200 To 400, Add* | *0.88* | |
| 03 21 13 00-0023 | LF | #8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar | 6.59 | |
| | | *For Up To 100, Add* | *4.18* | |
| | | *For >100 To 200, Add* | *2.35* | |
| | | *For >200 To 400, Add* | *1.13* | |
| 03 21 13 00-0024 | LF | #9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar | 8.19 | |
| | | *For Up To 100, Add* | *5.25* | |
| | | *For >100 To 200, Add* | *2.94* | |
| | | *For >200 To 400, Add* | *1.42* | |
| 03 21 13 00-0025 | LF | #10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar | 10.14 | |
| | | *For Up To 100, Add* | *5.31* | |
| | | *For >100 To 200, Add* | *2.78* | |
| | | *For >200 To 300, Add* | *1.39* | |
| 03 21 13 00-0026 | LF | #11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar | 12.23 | |
| | | *For Up To 100, Add* | *6.47* | |
| | | *For >100 To 200, Add* | *3.38* | |
| | | *For >200 To 300, Add* | *1.69* | |
| 03 21 13 00-0027 | LF | #14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar | 17.20 | |
| | | *For Up To 100, Add* | *9.19* | |
| | | *For >100 To 200, Add* | *4.78* | |
| | | *For >200 To 300, Add* | *2.39* | |
| 03 21 13 00-0028 | LF | #18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar | 29.83 | |
| | | *For Up To 100, Add* | *16.12* | |
| | | *For >100 To 200, Add* | *8.36* | |
| | | *For >200 To 300, Add* | *4.18* | |

## 03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 13 00-0030 | LF | #3, Grade 40, Columns, Galvanized Steel Reinforcement Bar | 1.04 | |
| | | *For Up To 100, Add* | *0.76* | |
| | | *For >100 To 200, Add* | *0.41* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 13 00-0031 | LF | #4, Grade 40, Columns, Galvanized Steel Reinforcement Bar | 1.80 | |
| | | *For Up To 100, Add* | *1.34* | |
| | | *For >100 To 200, Add* | *0.71* | |
| | | *For >200 To 500, Add* | *0.28* | |
| 03 21 13 00-0032 | LF | #5, Grade 40, Columns, Galvanized Steel Reinforcement Bar | 2.71 | |
| | | *For Up To 100, Add* | *2.06* | |
| | | *For >100 To 200, Add* | *1.08* | |
| | | *For >200 To 500, Add* | *0.43* | |
| 03 21 13 00-0033 | LF | #6, Grade 40, Columns, Galvanized Steel Reinforcement Bar | 3.77 | |
| | | *For Up To 100, Add* | *2.91* | |
| | | *For >100 To 200, Add* | *1.53* | |
| | | *For >200 To 500, Add* | *0.61* | |
| 03 21 13 00-0034 | LF | #3, Grade 50, Columns, Galvanized Steel Reinforcement Bar | 1.06 | |
| | | *For Up To 100, Add* | *0.78* | |
| | | *For >100 To 200, Add* | *0.42* | |
| | | *For >200 To 500, Add* | *0.17* | |
| 03 21 13 00-0035 | LF | #4, Grade 50, Columns, Galvanized Steel Reinforcement Bar | 1.83 | |
| | | *For Up To 100, Add* | *1.37* | |
| | | *For >100 To 200, Add* | *0.73* | |
| | | *For >200 To 500, Add* | *0.29* | |
| 03 21 13 00-0036 | LF | #5, Grade 50, Columns, Galvanized Steel Reinforcement Bar | 2.76 | |
| | | *For Up To 100, Add* | *2.11* | |
| | | *For >100 To 200, Add* | *1.11* | |
| | | *For >200 To 500, Add* | *0.44* | |
| 03 21 13 00-0037 | LF | #6, Grade 50, Columns, Galvanized Steel Reinforcement Bar | 3.85 | |
| | | *For Up To 100, Add* | *2.99* | |
| | | *For >100 To 200, Add* | *1.57* | |
| | | *For >200 To 500, Add* | *0.63* | |
| 03 21 13 00-0038 | LF | #3, Grade 60, Columns, Galvanized Steel Reinforcement Bar | 1.09 | |
| | | *For Up To 100, Add* | *0.81* | |
| | | *For >100 To 200, Add* | *0.43* | |
| | | *For >200 To 500, Add* | *0.17* | |
| 03 21 13 00-0039 | LF | #4, Grade 60, Columns, Galvanized Steel Reinforcement Bar | 1.88 | |
| | | *For Up To 100, Add* | *1.42* | |
| | | *For >100 To 200, Add* | *0.75* | |
| | | *For >200 To 500, Add* | *0.30* | |
| 03 21 13 00-0040 | LF | #5, Grade 60, Columns, Galvanized Steel Reinforcement Bar | 2.84 | |
| | | *For Up To 100, Add* | *2.19* | |
| | | *For >100 To 200, Add* | *1.15* | |
| | | *For >200 To 500, Add* | *0.46* | |
| 03 21 13 00-0041 | LF | #6, Grade 60, Columns, Galvanized Steel Reinforcement Bar | 3.96 | |
| | | *For Up To 100, Add* | *3.10* | |
| | | *For >100 To 200, Add* | *1.62* | |
| | | *For >200 To 500, Add* | *0.65* | |
| 03 21 13 00-0042 | LF | #7, Grade 60, Columns, Galvanized Steel Reinforcement Bar | 5.21 | |
| | | *For Up To 100, Add* | *3.20* | |
| | | *For >100 To 200, Add* | *1.82* | |
| | | *For >200 To 400, Add* | *0.86* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 13 00-0043 | LF | #8, Grade 60, Columns, Galvanized Steel Reinforcement Bar | 6.57 | |
| | | *For Up To 100, Add* | *4.10* | |
| | | *For >100 To 200, Add* | *2.32* | |
| | | *For >200 To 400, Add* | *1.11* | |
| 03 21 13 00-0044 | LF | #9, Grade 60, Columns, Galvanized Steel Reinforcement Bar | 8.15 | |
| | | *For Up To 100, Add* | *5.14* | |
| | | *For >100 To 200, Add* | *2.89* | |
| | | *For >200 To 400, Add* | *1.39* | |
| 03 21 13 00-0045 | LF | #10, Grade 60, Columns, Galvanized Steel Reinforcement Bar | 10.06 | |
| | | *For Up To 100, Add* | *5.19* | |
| | | *For >100 To 200, Add* | *2.74* | |
| | | *For >200 To 300, Add* | *1.37* | |
| 03 21 13 00-0046 | LF | #11, Grade 60, Columns, Galvanized Steel Reinforcement Bar | 12.11 | |
| | | *For Up To 100, Add* | *6.31* | |
| | | *For >100 To 200, Add* | *3.32* | |
| | | *For >200 To 300, Add* | *1.66* | |
| 03 21 13 00-0047 | LF | #14, Grade 60, Columns, Galvanized Steel Reinforcement Bar | 16.99 | |
| | | *For Up To 100, Add* | *8.95* | |
| | | *For >100 To 200, Add* | *4.68* | |
| | | *For >200 To 300, Add* | *2.34* | |
| 03 21 13 00-0048 | LF | #18, Grade 60, Columns, Galvanized Steel Reinforcement Bar | 29.37 | |
| | | *For Up To 100, Add* | *15.67* | |
| | | *For >100 To 200, Add* | *8.16* | |
| | | *For >200 To 300, Add* | *4.08* | |
| 03 21 13 00-0049 | LF | #6, Grade 75, Columns, Galvanized Steel Reinforcement Bar | 4.08 | |
| | | *For Up To 100, Add* | *3.22* | |
| | | *For >100 To 200, Add* | *1.68* | |
| | | *For >200 To 500, Add* | *0.67* | |
| 03 21 13 00-0050 | LF | #7, Grade 75, Columns, Galvanized Steel Reinforcement Bar | 5.37 | |
| | | *For Up To 100, Add* | *3.32* | |
| | | *For >100 To 200, Add* | *1.88* | |
| | | *For >200 To 400, Add* | *0.90* | |
| 03 21 13 00-0051 | LF | #8, Grade 75, Columns, Galvanized Steel Reinforcement Bar | 6.77 | |
| | | *For Up To 100, Add* | *4.25* | |
| | | *For >100 To 200, Add* | *2.40* | |
| | | *For >200 To 400, Add* | *1.15* | |
| 03 21 13 00-0052 | LF | #9, Grade 75, Columns, Galvanized Steel Reinforcement Bar | 8.41 | |
| | | *For Up To 100, Add* | *5.33* | |
| | | *For >100 To 200, Add* | *3.00* | |
| | | *For >200 To 400, Add* | *1.44* | |
| 03 21 13 00-0053 | LF | #10, Grade 75, Columns, Galvanized Steel Reinforcement Bar | 10.39 | |
| | | *For Up To 100, Add* | *5.39* | |
| | | *For >100 To 200, Add* | *2.83* | |
| | | *For >200 To 300, Add* | *1.42* | |
| 03 21 13 00-0054 | LF | #11, Grade 75, Columns, Galvanized Steel Reinforcement Bar | 12.51 | |
| | | *For Up To 100, Add* | *6.55* | |
| | | *For >100 To 200, Add* | *3.44* | |
| | | *For >200 To 300, Add* | *1.72* | |
| 03 21 13 00-0055 | LF | #14, Grade 75, Columns, Galvanized Steel Reinforcement Bar | 17.58 | |
| | | *For Up To 100, Add* | *9.31* | |
| | | *For >100 To 200, Add* | *4.86* | |
| | | *For >200 To 300, Add* | *2.43* | |
| 03 21 13 00-0056 | LF | #18, Grade 75, Columns, Galvanized Steel Reinforcement Bar | 30.41 | |
| | | *For Up To 100, Add* | *16.29* | |
| | | *For >100 To 200, Add* | *8.47* | |
| | | *For >200 To 300, Add* | *4.24* | |

## 03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 13 00-0058 | LF | #3, Grade 40, Footings, Galvanized Steel Reinforcement Bar | 0.94 | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 200, Add* | *0.38* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 13 00-0059 | LF | #4, Grade 40, Footings, Galvanized Steel Reinforcement Bar | 1.63 | |
| | | *For Up To 100, Add* | *1.28* | |
| | | *For >100 To 200, Add* | *0.67* | |
| | | *For >200 To 500, Add* | *0.27* | |
| 03 21 13 00-0060 | LF | #5, Grade 40, Footings, Galvanized Steel Reinforcement Bar | 2.47 | |
| | | *For Up To 100, Add* | *1.96* | |
| | | *For >100 To 200, Add* | *1.02* | |
| | | *For >200 To 500, Add* | *0.41* | |
| 03 21 13 00-0061 | LF | #6, Grade 40, Footings, Galvanized Steel Reinforcement Bar | 3.45 | |
| | | *For Up To 100, Add* | *2.78* | |
| | | *For >100 To 200, Add* | *1.45* | |
| | | *For >200 To 500, Add* | *0.58* | |
| 03 21 13 00-0062 | LF | #3, Grade 50, Footings, Galvanized Steel Reinforcement Bar | 0.96 | |
| | | *For Up To 100, Add* | *0.74* | |
| | | *For >100 To 200, Add* | *0.39* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 13 00-0063 | LF | #4, Grade 50, Footings, Galvanized Steel Reinforcement Bar | 1.66 | |
| | | *For Up To 100, Add* | *1.31* | |
| | | *For >100 To 200, Add* | *0.68* | |
| | | *For >200 To 500, Add* | *0.27* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 13 00-0064 | LF | #5, Grade 50, Footings, Galvanized Steel Reinforcement Bar | 2.52 | |
| | | *For Up To 100, Add* | *2.01* | |
| | | *For >100 To 200, Add* | *1.05* | |
| | | *For >200 To 500, Add* | *0.42* | |
| 03 21 13 00-0065 | LF | #6, Grade 50, Footings, Galvanized Steel Reinforcement Bar | 3.53 | |
| | | *For Up To 100, Add* | *2.86* | |
| | | *For >100 To 200, Add* | *1.49* | |
| | | *For >200 To 500, Add* | *0.59* | |
| 03 21 13 00-0066 | LF | #3, Grade 60, Footings, Galvanized Steel Reinforcement Bar | 0.99 | |
| | | *For Up To 100, Add* | *0.77* | |
| | | *For >100 To 200, Add* | *0.41* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 13 00-0067 | LF | #4, Grade 60, Footings, Galvanized Steel Reinforcement Bar | 1.71 | |
| | | *For Up To 100, Add* | *1.36* | |
| | | *For >100 To 200, Add* | *0.71* | |
| | | *For >200 To 500, Add* | *0.28* | |
| 03 21 13 00-0068 | LF | #5, Grade 60, Footings, Galvanized Steel Reinforcement Bar | 2.60 | |
| | | *For Up To 100, Add* | *2.09* | |
| | | *For >100 To 200, Add* | *1.09* | |
| | | *For >200 To 500, Add* | *0.44* | |
| 03 21 13 00-0069 | LF | #6, Grade 60, Footings, Galvanized Steel Reinforcement Bar | 3.64 | |
| | | *For Up To 100, Add* | *2.97* | |
| | | *For >100 To 200, Add* | *1.54* | |
| | | *For >200 To 500, Add* | *0.62* | |
| 03 21 13 00-0070 | LF | #7, Grade 60, Footings, Galvanized Steel Reinforcement Bar | 4.81 | |
| | | *For Up To 100, Add* | *3.06* | |
| | | *For >100 To 200, Add* | *1.72* | |
| | | *For >200 To 400, Add* | *0.82* | |
| 03 21 13 00-0071 | LF | #8, Grade 60, Footings, Galvanized Steel Reinforcement Bar | 6.11 | |
| | | *For Up To 100, Add* | *3.93* | |
| | | *For >100 To 200, Add* | *2.20* | |
| | | *For >200 To 400, Add* | *1.06* | |
| 03 21 13 00-0072 | LF | #9, Grade 60, Footings, Galvanized Steel Reinforcement Bar | 7.60 | |
| | | *For Up To 100, Add* | *4.94* | |
| | | *For >100 To 200, Add* | *2.76* | |
| | | *For >200 To 400, Add* | *1.33* | |
| 03 21 13 00-0073 | LF | #10, Grade 60, Footings, Galvanized Steel Reinforcement Bar | 9.42 | |
| | | *For Up To 100, Add* | *5.00* | |
| | | *For >100 To 200, Add* | *2.61* | |
| | | *For >200 To 300, Add* | *1.30* | |
| 03 21 13 00-0074 | LF | #11, Grade 60, Footings, Galvanized Steel Reinforcement Bar | 11.39 | |
| | | *For Up To 100, Add* | *6.10* | |
| | | *For >100 To 200, Add* | *3.17* | |
| | | *For >200 To 300, Add* | *1.59* | |
| 03 21 13 00-0075 | LF | #14, Grade 60, Footings, Galvanized Steel Reinforcement Bar | 16.04 | |
| | | *For Up To 100, Add* | *8.67* | |
| | | *For >100 To 200, Add* | *4.49* | |
| | | *For >200 To 300, Add* | *2.25* | |
| 03 21 13 00-0076 | LF | #18, Grade 60, Footings, Galvanized Steel Reinforcement Bar | 27.89 | |
| | | *For Up To 100, Add* | *15.22* | |
| | | *For >100 To 200, Add* | *7.86* | |
| | | *For >200 To 300, Add* | *3.93* | |
| 03 21 13 00-0077 | LF | #6, Grade 75, Footings, Galvanized Steel Reinforcement Bar | 3.76 | |
| | | *For Up To 100, Add* | *3.09* | |
| | | *For >100 To 200, Add* | *1.60* | |
| | | *For >200 To 500, Add* | *0.64* | |
| 03 21 13 00-0078 | LF | #7, Grade 75, Footings, Galvanized Steel Reinforcement Bar | 4.97 | |
| | | *For Up To 100, Add* | *3.18* | |
| | | *For >100 To 200, Add* | *1.78* | |
| | | *For >200 To 400, Add* | *0.86* | |
| 03 21 13 00-0079 | LF | #8, Grade 75, Footings, Galvanized Steel Reinforcement Bar | 6.31 | |
| | | *For Up To 100, Add* | *4.08* | |
| | | *For >100 To 200, Add* | *2.28* | |
| | | *For >200 To 400, Add* | *1.10* | |
| 03 21 13 00-0080 | LF | #9, Grade 75, Footings, Galvanized Steel Reinforcement Bar | 7.86 | |
| | | *For Up To 100, Add* | *5.14* | |
| | | *For >100 To 200, Add* | *2.86* | |
| | | *For >200 To 400, Add* | *1.38* | |
| 03 21 13 00-0081 | LF | #10, Grade 75, Footings, Galvanized Steel Reinforcement Bar | 9.75 | |
| | | *For Up To 100, Add* | *5.19* | |
| | | *For >100 To 200, Add* | *2.71* | |
| | | *For >200 To 300, Add* | *1.35* | |
| 03 21 13 00-0082 | LF | #11, Grade 75, Footings, Galvanized Steel Reinforcement Bar | 11.79 | |
| | | *For Up To 100, Add* | *6.34* | |
| | | *For >100 To 200, Add* | *3.29* | |
| | | *For >200 To 300, Add* | *1.65* | |
| 03 21 13 00-0083 | LF | #14, Grade 75, Footings, Galvanized Steel Reinforcement Bar | 16.63 | |
| | | *For Up To 100, Add* | *9.02* | |
| | | *For >100 To 200, Add* | *4.67* | |
| | | *For >200 To 300, Add* | *2.34* | |
| 03 21 13 00-0084 | LF | #18, Grade 75, Footings, Galvanized Steel Reinforcement Bar | 28.93 | |
| | | *For Up To 100, Add* | *15.85* | |
| | | *For >100 To 200, Add* | *8.18* | |
| | | *For >200 To 300, Add* | *4.09* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 13 00-0086 | LF | #3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar | 0.92 | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 200, Add* | *0.38* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 13 00-0087 | LF | #4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar | 1.59 | |
| | | *For Up To 100, Add* | *1.26* | |
| | | *For >100 To 200, Add* | *0.66* | |
| | | *For >200 To 500, Add* | *0.26* | |
| 03 21 13 00-0088 | LF | #5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar | 2.41 | |
| | | *For Up To 100, Add* | *1.94* | |
| | | *For >100 To 200, Add* | *1.01* | |
| | | *For >200 To 500, Add* | *0.40* | |
| 03 21 13 00-0089 | LF | #6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar | 3.37 | |
| | | *For Up To 100, Add* | *2.75* | |
| | | *For >100 To 200, Add* | *1.43* | |
| | | *For >200 To 500, Add* | *0.57* | |
| 03 21 13 00-0090 | LF | #3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar | 0.94 | |
| | | *For Up To 100, Add* | *0.74* | |
| | | *For >100 To 200, Add* | *0.39* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 13 00-0091 | LF | #4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar | 1.62 | |
| | | *For Up To 100, Add* | *1.29* | |
| | | *For >100 To 200, Add* | *0.67* | |
| | | *For >200 To 500, Add* | *0.27* | |
| 03 21 13 00-0092 | LF | #5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar | 2.46 | |
| | | *For Up To 100, Add* | *1.99* | |
| | | *For >100 To 200, Add* | *1.03* | |
| | | *For >200 To 500, Add* | *0.41* | |
| 03 21 13 00-0093 | LF | #6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar | 3.45 | |
| | | *For Up To 100, Add* | *2.83* | |
| | | *For >100 To 200, Add* | *1.47* | |
| | | *For >200 To 500, Add* | *0.59* | |
| 03 21 13 00-0094 | LF | #3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar | 0.97 | |
| | | *For Up To 100, Add* | *0.77* | |
| | | *For >100 To 200, Add* | *0.40* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 13 00-0095 | LF | #4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar | 1.67 | |
| | | *For Up To 100, Add* | *1.34* | |
| | | *For >100 To 200, Add* | *0.70* | |
| | | *For >200 To 500, Add* | *0.28* | |
| 03 21 13 00-0096 | LF | #5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar | 2.54 | |
| | | *For Up To 100, Add* | *2.07* | |
| | | *For >100 To 200, Add* | *1.07* | |
| | | *For >200 To 500, Add* | *0.43* | |
| 03 21 13 00-0097 | LF | #6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar | 3.56 | |
| | | *For Up To 100, Add* | *2.94* | |
| | | *For >100 To 200, Add* | *1.52* | |
| | | *For >200 To 500, Add* | *0.61* | |
| 03 21 13 00-0098 | LF | #7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar | 4.73 | |
| | | *For Up To 100, Add* | *3.03* | |
| | | *For >100 To 200, Add* | *1.70* | |
| | | *For >200 To 400, Add* | *0.82* | |
| 03 21 13 00-0099 | LF | #8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar | 6.01 | |
| | | *For Up To 100, Add* | *3.90* | |
| | | *For >100 To 200, Add* | *2.18* | |
| | | *For >200 To 400, Add* | *1.05* | |
| 03 21 13 00-0100 | LF | #9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar | 7.49 | |
| | | *For Up To 100, Add* | *4.91* | |
| | | *For >100 To 200, Add* | *2.73* | |
| | | *For >200 To 400, Add* | *1.32* | |
| 03 21 13 00-0101 | LF | #10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar | 9.29 | |
| | | *For Up To 100, Add* | *4.96* | |
| | | *For >100 To 200, Add* | *2.58* | |
| | | *For >200 To 300, Add* | *1.29* | |
| 03 21 13 00-0102 | LF | #11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar | 11.25 | |
| | | *For Up To 100, Add* | *6.05* | |
| | | *For >100 To 200, Add* | *3.14* | |
| | | *For >200 To 300, Add* | *1.57* | |
| 03 21 13 00-0103 | LF | #14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar | 15.85 | |
| | | *For Up To 100, Add* | *8.61* | |
| | | *For >100 To 200, Add* | *4.46* | |
| | | *For >200 To 300, Add* | *2.23* | |
| 03 21 13 00-0104 | LF | #18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar | 27.59 | |
| | | *For Up To 100, Add* | *15.13* | |
| | | *For >100 To 200, Add* | *7.80* | |
| | | *For >200 To 300, Add* | *3.90* | |
| 03 21 13 00-0105 | LF | #6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar | 3.68 | |
| | | *For Up To 100, Add* | *3.06* | |
| | | *For >100 To 200, Add* | *1.58* | |
| | | *For >200 To 500, Add* | *0.63* | |
| 03 21 13 00-0106 | LF | #7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar | 4.89 | |
| | | *For Up To 100, Add* | *3.15* | |
| | | *For >100 To 200, Add* | *1.76* | |
| | | *For >200 To 400, Add* | *0.85* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 13 00-0107 | LF | #8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar | 6.21 | |
| | | *For Up To 100, Add* | *4.05* | |
| | | *For >100 To 200, Add* | *2.26* | |
| | | *For >200 To 400, Add* | *1.09* | |
| 03 21 13 00-0108 | LF | #9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar | 7.75 | |
| | | *For Up To 100, Add* | *5.10* | |
| | | *For >100 To 200, Add* | *2.83* | |
| | | *For >200 To 400, Add* | *1.37* | |
| 03 21 13 00-0109 | LF | #10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar | 9.62 | |
| | | *For Up To 100, Add* | *5.15* | |
| | | *For >100 To 200, Add* | *2.68* | |
| | | *For >200 To 300, Add* | *1.34* | |
| 03 21 13 00-0110 | LF | #11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar | 11.65 | |
| | | *For Up To 100, Add* | *6.29* | |
| | | *For >100 To 200, Add* | *3.26* | |
| | | *For >200 To 300, Add* | *1.63* | |
| 03 21 13 00-0111 | LF | #14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar | 16.44 | |
| | | *For Up To 100, Add* | *8.96* | |
| | | *For >100 To 200, Add* | *4.63* | |
| | | *For >200 To 300, Add* | *2.32* | |
| 03 21 13 00-0112 | LF | #18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar | 28.63 | |
| | | *For Up To 100, Add* | *15.76* | |
| | | *For >100 To 200, Add* | *8.12* | |
| | | *For >200 To 300, Add* | *4.06* | |

## 03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 13 00-0114 | LF | #3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar | 0.87 | |
| | | *For Up To 100, Add* | *0.70* | |
| | | *For >100 To 200, Add* | *0.36* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 13 00-0115 | LF | #4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar | 1.52 | |
| | | *For Up To 100, Add* | *1.23* | |
| | | *For >100 To 200, Add* | *0.64* | |
| | | *For >200 To 500, Add* | *0.26* | |
| 03 21 13 00-0116 | LF | #5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar | 2.31 | |
| | | *For Up To 100, Add* | *1.90* | |
| | | *For >100 To 200, Add* | *0.98* | |
| | | *For >200 To 500, Add* | *0.39* | |
| 03 21 13 00-0117 | LF | #6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar | 3.24 | |
| | | *For Up To 100, Add* | *2.69* | |
| | | *For >100 To 200, Add* | *1.39* | |
| | | *For >200 To 500, Add* | *0.56* | |
| 03 21 13 00-0118 | LF | #3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar | 0.89 | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 200, Add* | *0.37* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 13 00-0119 | LF | #4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar | 1.55 | |
| | | *For Up To 100, Add* | *1.26* | |
| | | *For >100 To 200, Add* | *0.66* | |
| | | *For >200 To 500, Add* | *0.26* | |
| 03 21 13 00-0120 | LF | #5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar | 2.36 | |
| | | *For Up To 100, Add* | *1.95* | |
| | | *For >100 To 200, Add* | *1.01* | |
| | | *For >200 To 500, Add* | *0.40* | |
| 03 21 13 00-0121 | LF | #6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar | 3.32 | |
| | | *For Up To 100, Add* | *2.77* | |
| | | *For >100 To 200, Add* | *1.43* | |
| | | *For >200 To 500, Add* | *0.57* | |
| 03 21 13 00-0122 | LF | #3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar | 0.92 | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 200, Add* | *0.39* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 13 00-0123 | LF | #4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar | 1.60 | |
| | | *For Up To 100, Add* | *1.31* | |
| | | *For >100 To 200, Add* | *0.68* | |
| | | *For >200 To 500, Add* | *0.27* | |
| 03 21 13 00-0124 | LF | #5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar | 2.44 | |
| | | *For Up To 100, Add* | *2.03* | |
| | | *For >100 To 200, Add* | *1.05* | |
| | | *For >200 To 500, Add* | *0.42* | |
| 03 21 13 00-0125 | LF | #6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar | 3.43 | |
| | | *For Up To 100, Add* | *2.88* | |
| | | *For >100 To 200, Add* | *1.49* | |
| | | *For >200 To 500, Add* | *0.60* | |
| 03 21 13 00-0126 | LF | #7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar | 4.57 | |
| | | *For Up To 100, Add* | *2.97* | |
| | | *For >100 To 200, Add* | *1.66* | |
| | | *For >200 To 400, Add* | *0.80* | |
| 03 21 13 00-0127 | LF | #8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar | 5.81 | |
| | | *For Up To 100, Add* | *3.83* | |
| | | *For >100 To 200, Add* | *2.13* | |
| | | *For >200 To 400, Add* | *1.03* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 13 00-0128 | LF | #9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar | 7.27 | |
| | | *For Up To 100, Add* | *4.83* | |
| | | *For >100 To 200, Add* | *2.67* | |
| | | *For >200 To 400, Add* | *1.30* | |
| 03 21 13 00-0129 | LF | #10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar | 9.04 | |
| | | *For Up To 100, Add* | *4.88* | |
| | | *For >100 To 200, Add* | *2.53* | |
| | | *For >200 To 300, Add* | *1.27* | |
| 03 21 13 00-0130 | LF | #11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar | 10.96 | |
| | | *For Up To 100, Add* | *5.97* | |
| | | *For >100 To 200, Add* | *3.09* | |
| | | *For >200 To 300, Add* | *1.54* | |
| 03 21 13 00-0131 | LF | #14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar | 15.48 | |
| | | *For Up To 100, Add* | *8.50* | |
| | | *For >100 To 200, Add* | *4.38* | |
| | | *For >200 To 300, Add* | *2.19* | |
| 03 21 13 00-0132 | LF | #18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar | 27.01 | |
| | | *For Up To 100, Add* | *14.96* | |
| | | *For >100 To 200, Add* | *7.69* | |
| | | *For >200 To 300, Add* | *3.84* | |
| 03 21 13 00-0133 | LF | #6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar | 3.55 | |
| | | *For Up To 100, Add* | *3.00* | |
| | | *For >100 To 200, Add* | *1.55* | |
| | | *For >200 To 500, Add* | *0.62* | |
| 03 21 13 00-0134 | LF | #7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar | 4.73 | |
| | | *For Up To 100, Add* | *3.09* | |
| | | *For >100 To 200, Add* | *1.72* | |
| | | *For >200 To 400, Add* | *0.83* | |
| 03 21 13 00-0135 | LF | #8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar | 6.01 | |
| | | *For Up To 100, Add* | *3.98* | |
| | | *For >100 To 200, Add* | *2.21* | |
| | | *For >200 To 400, Add* | *1.07* | |
| 03 21 13 00-0136 | LF | #9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar | 7.53 | |
| | | *For Up To 100, Add* | *5.02* | |
| | | *For >100 To 200, Add* | *2.78* | |
| | | *For >200 To 400, Add* | *1.35* | |
| 03 21 13 00-0137 | LF | #10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar | 9.37 | |
| | | *For Up To 100, Add* | *5.08* | |
| | | *For >100 To 200, Add* | *2.63* | |
| | | *For >200 To 300, Add* | *1.32* | |
| 03 21 13 00-0138 | LF | #11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar | 11.36 | |
| | | *For Up To 100, Add* | *6.21* | |
| | | *For >100 To 200, Add* | *3.21* | |
| | | *For >200 To 300, Add* | *1.60* | |
| 03 21 13 00-0139 | LF | #14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar | 16.07 | |
| | | *For Up To 100, Add* | *8.85* | |
| | | *For >100 To 200, Add* | *4.56* | |
| | | *For >200 To 300, Add* | *2.28* | |
| 03 21 13 00-0140 | LF | #18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar | 28.05 | |
| | | *For Up To 100, Add* | *15.58* | |
| | | *For >100 To 200, Add* | *8.00* | |
| | | *For >200 To 300, Add* | *4.00* | |

## 03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 13 00-0142 | LF | #3, Grade 40, Walls, Galvanized Steel Reinforcement Bar | 0.85 | |
| | | *For Up To 100, Add* | *0.69* | |
| | | *For >100 To 200, Add* | *0.36* | |
| | | *For >200 To 500, Add* | *0.14* | |
| 03 21 13 00-0143 | LF | #4, Grade 40, Walls, Galvanized Steel Reinforcement Bar | 1.49 | |
| | | *For Up To 100, Add* | *1.22* | |
| | | *For >100 To 200, Add* | *0.63* | |
| | | *For >200 To 500, Add* | *0.25* | |
| 03 21 13 00-0144 | LF | #5, Grade 40, Walls, Galvanized Steel Reinforcement Bar | 2.26 | |
| | | *For Up To 100, Add* | *1.88* | |
| | | *For >100 To 200, Add* | *0.97* | |
| | | *For >200 To 500, Add* | *0.39* | |
| 03 21 13 00-0145 | LF | #6, Grade 40, Walls, Galvanized Steel Reinforcement Bar | 3.18 | |
| | | *For Up To 100, Add* | *2.67* | |
| | | *For >100 To 200, Add* | *1.38* | |
| | | *For >200 To 500, Add* | *0.55* | |
| 03 21 13 00-0146 | LF | #3, Grade 50, Walls, Galvanized Steel Reinforcement Bar | 0.87 | |
| | | *For Up To 100, Add* | *0.71* | |
| | | *For >100 To 200, Add* | *0.37* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 13 00-0147 | LF | #4, Grade 50, Walls, Galvanized Steel Reinforcement Bar | 1.52 | |
| | | *For Up To 100, Add* | *1.25* | |
| | | *For >100 To 200, Add* | *0.65* | |
| | | *For >200 To 500, Add* | *0.26* | |
| 03 21 13 00-0148 | LF | #5, Grade 50, Walls, Galvanized Steel Reinforcement Bar | 2.31 | |
| | | *For Up To 100, Add* | *1.93* | |
| | | *For >100 To 200, Add* | *1.00* | |
| | | *For >200 To 500, Add* | *0.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 13 00-0149 | LF | #6, Grade 50, Walls, Galvanized Steel Reinforcement Bar | 3.26 | |
| | | *For Up To 100, Add* | *2.75* | |
| | | *For >100 To 200, Add* | *1.42* | |
| | | *For >200 To 500, Add* | *0.57* | |
| 03 21 13 00-0150 | LF | #3, Grade 60, Walls, Galvanized Steel Reinforcement Bar | 0.90 | |
| | | *For Up To 100, Add* | *0.74* | |
| | | *For >100 To 200, Add* | *0.38* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 13 00-0151 | LF | #4, Grade 60, Walls, Galvanized Steel Reinforcement Bar | 1.57 | |
| | | *For Up To 100, Add* | *1.30* | |
| | | *For >100 To 200, Add* | *0.67* | |
| | | *For >200 To 500, Add* | *0.27* | |
| 03 21 13 00-0152 | LF | #5, Grade 60, Walls, Galvanized Steel Reinforcement Bar | 2.39 | |
| | | *For Up To 100, Add* | *2.01* | |
| | | *For >100 To 200, Add* | *1.04* | |
| | | *For >200 To 500, Add* | *0.41* | |
| 03 21 13 00-0153 | LF | #6, Grade 60, Walls, Galvanized Steel Reinforcement Bar | 3.37 | |
| | | *For Up To 100, Add* | *2.86* | |
| | | *For >100 To 200, Add* | *1.47* | |
| | | *For >200 To 500, Add* | *0.59* | |
| 03 21 13 00-0154 | LF | #7, Grade 60, Walls, Galvanized Steel Reinforcement Bar | 4.47 | |
| | | *For Up To 100, Add* | *2.94* | |
| | | *For >100 To 200, Add* | *1.63* | |
| | | *For >200 To 400, Add* | *0.79* | |
| 03 21 13 00-0155 | LF | #8, Grade 60, Walls, Galvanized Steel Reinforcement Bar | 5.73 | |
| | | *For Up To 100, Add* | *3.80* | |
| | | *For >100 To 200, Add* | *2.11* | |
| | | *For >200 To 400, Add* | *1.02* | |
| 03 21 13 00-0156 | LF | #9, Grade 60, Walls, Galvanized Steel Reinforcement Bar | 7.16 | |
| | | *For Up To 100, Add* | *4.79* | |
| | | *For >100 To 200, Add* | *2.65* | |
| | | *For >200 To 400, Add* | *1.29* | |
| 03 21 13 00-0157 | LF | #10, Grade 60, Walls, Galvanized Steel Reinforcement Bar | 8.91 | |
| | | *For Up To 100, Add* | *4.84* | |
| | | *For >100 To 200, Add* | *2.51* | |
| | | *For >200 To 300, Add* | *1.25* | |
| 03 21 13 00-0158 | LF | #11, Grade 60, Walls, Galvanized Steel Reinforcement Bar | 10.82 | |
| | | *For Up To 100, Add* | *5.93* | |
| | | *For >100 To 200, Add* | *3.06* | |
| | | *For >200 To 300, Add* | *1.53* | |
| 03 21 13 00-0159 | LF | #14, Grade 60, Walls, Galvanized Steel Reinforcement Bar | 15.29 | |
| | | *For Up To 100, Add* | *8.44* | |
| | | *For >100 To 200, Add* | *4.34* | |
| | | *For >200 To 300, Add* | *2.17* | |
| 03 21 13 00-0160 | LF | #18, Grade 60, Walls, Galvanized Steel Reinforcement Bar | 26.71 | |
| | | *For Up To 100, Add* | *14.87* | |
| | | *For >100 To 200, Add* | *7.63* | |
| | | *For >200 To 300, Add* | *3.81* | |
| 03 21 13 00-0161 | LF | #6, Grade 75, Walls, Galvanized Steel Reinforcement Bar | 3.49 | |
| | | *For Up To 100, Add* | *2.98* | |
| | | *For >100 To 200, Add* | *1.53* | |
| | | *For >200 To 500, Add* | *0.61* | |
| 03 21 13 00-0162 | LF | #7, Grade 75, Walls, Galvanized Steel Reinforcement Bar | 4.63 | |
| | | *For Up To 100, Add* | *3.06* | |
| | | *For >100 To 200, Add* | *1.70* | |
| | | *For >200 To 400, Add* | *0.82* | |
| 03 21 13 00-0163 | LF | #8, Grade 75, Walls, Galvanized Steel Reinforcement Bar | 5.93 | |
| | | *For Up To 100, Add* | *3.95* | |
| | | *For >100 To 200, Add* | *2.19* | |
| | | *For >200 To 400, Add* | *1.06* | |
| 03 21 13 00-0164 | LF | #9, Grade 75, Walls, Galvanized Steel Reinforcement Bar | 7.42 | |
| | | *For Up To 100, Add* | *4.99* | |
| | | *For >100 To 200, Add* | *2.75* | |
| | | *For >200 To 400, Add* | *1.34* | |
| 03 21 13 00-0165 | LF | #10, Grade 75, Walls, Galvanized Steel Reinforcement Bar | 9.24 | |
| | | *For Up To 100, Add* | *5.04* | |
| | | *For >100 To 200, Add* | *2.60* | |
| | | *For >200 To 300, Add* | *1.30* | |
| 03 21 13 00-0166 | LF | #11, Grade 75, Walls, Galvanized Steel Reinforcement Bar | 11.22 | |
| | | *For Up To 100, Add* | *6.17* | |
| | | *For >100 To 200, Add* | *3.18* | |
| | | *For >200 To 300, Add* | *1.59* | |
| 03 21 13 00-0167 | LF | #14, Grade 75, Walls, Galvanized Steel Reinforcement Bar | 15.88 | |
| | | *For Up To 100, Add* | *8.80* | |
| | | *For >100 To 200, Add* | *4.52* | |
| | | *For >200 To 300, Add* | *2.26* | |
| 03 21 13 00-0168 | LF | #18, Grade 75, Walls, Galvanized Steel Reinforcement Bar | 27.75 | |
| | | *For Up To 100, Add* | *15.49* | |
| | | *For >100 To 200, Add* | *7.94* | |
| | | *For >200 To 300, Add* | *3.97* | |

## 03 21 16 Epoxy-Coated Reinforcement Steel Bars *(03 21)*

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 16 00-0002 | LF | #3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 0.98 | |
| | | *For Up To 100, Add* | *0.73* | |
| | | *For >100 To 200, Add* | *0.39* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 16 00-0003 | LF | #4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 1.68 | |
| | | *For Up To 100, Add* | *1.27* | |
| | | *For >100 To 200, Add* | *0.67* | |
| | | *For >200 To 500, Add* | *0.27* | |
| 03 21 16 00-0004 | LF | #5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 2.55 | |
| | | *For Up To 100, Add* | *1.96* | |
| | | *For >100 To 200, Add* | *1.03* | |
| | | *For >200 To 500, Add* | *0.41* | |
| 03 21 16 00-0005 | LF | #6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 3.55 | |
| | | *For Up To 100, Add* | *2.76* | |
| | | *For >100 To 200, Add* | *1.45* | |
| | | *For >200 To 500, Add* | *0.58* | |
| 03 21 16 00-0006 | LF | #3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 1.00 | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 200, Add* | *0.40* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 16 00-0007 | LF | #4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 1.71 | |
| | | *For Up To 100, Add* | *1.30* | |
| | | *For >100 To 200, Add* | *0.69* | |
| | | *For >200 To 500, Add* | *0.27* | |
| 03 21 16 00-0008 | LF | #5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 2.60 | |
| | | *For Up To 100, Add* | *2.01* | |
| | | *For >100 To 200, Add* | *1.05* | |
| | | *For >200 To 500, Add* | *0.42* | |
| 03 21 16 00-0009 | LF | #6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 3.63 | |
| | | *For Up To 100, Add* | *2.84* | |
| | | *For >100 To 200, Add* | *1.49* | |
| | | *For >200 To 500, Add* | *0.60* | |
| 03 21 16 00-0010 | LF | #3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 1.03 | |
| | | *For Up To 100, Add* | *0.78* | |
| | | *For >100 To 200, Add* | *0.41* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 16 00-0011 | LF | #4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 1.76 | |
| | | *For Up To 100, Add* | *1.35* | |
| | | *For >100 To 200, Add* | *0.71* | |
| | | *For >200 To 500, Add* | *0.28* | |
| 03 21 16 00-0012 | LF | #5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 2.68 | |
| | | *For Up To 100, Add* | *2.09* | |
| | | *For >100 To 200, Add* | *1.09* | |
| | | *For >200 To 500, Add* | *0.44* | |
| 03 21 16 00-0013 | LF | #6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 3.75 | |
| | | *For Up To 100, Add* | *2.96* | |
| | | *For >100 To 200, Add* | *1.55* | |
| | | *For >200 To 500, Add* | *0.62* | |
| 03 21 16 00-0014 | LF | #7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 4.94 | |
| | | *For Up To 100, Add* | *3.06* | |
| | | *For >100 To 200, Add* | *1.73* | |
| | | *For >200 To 400, Add* | *0.83* | |
| 03 21 16 00-0015 | LF | #8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 6.23 | |
| | | *For Up To 100, Add* | *3.91* | |
| | | *For >100 To 200, Add* | *2.21* | |
| | | *For >200 To 400, Add* | *1.06* | |
| 03 21 16 00-0016 | LF | #9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 7.74 | |
| | | *For Up To 100, Add* | *4.92* | |
| | | *For >100 To 200, Add* | *2.76* | |
| | | *For >200 To 400, Add* | *1.33* | |
| 03 21 16 00-0017 | LF | #10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 9.56 | |
| | | *For Up To 100, Add* | *4.96* | |
| | | *For >100 To 200, Add* | *2.61* | |
| | | *For >200 To 300, Add* | *1.31* | |
| 03 21 16 00-0018 | LF | #11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 11.52 | |
| | | *For Up To 100, Add* | *6.04* | |
| | | *For >100 To 200, Add* | *3.17* | |
| | | *For >200 To 300, Add* | *1.58* | |
| 03 21 16 00-0019 | LF | #14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 16.17 | |
| | | *For Up To 100, Add* | *8.57* | |
| | | *For >100 To 200, Add* | *4.48* | |
| | | *For >200 To 300, Add* | *2.24* | |
| 03 21 16 00-0020 | LF | #18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 28.01 | |
| | | *For Up To 100, Add* | *15.02* | |
| | | *For >100 To 200, Add* | *7.81* | |
| | | *For >200 To 300, Add* | *3.90* | |
| 03 21 16 00-0021 | LF | #6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 3.86 | |
| | | *For Up To 100, Add* | *3.07* | |
| | | *For >100 To 200, Add* | *1.60* | |
| | | *For >200 To 500, Add* | *0.64* | |
| 03 21 16 00-0022 | LF | #7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 5.09 | |
| | | *For Up To 100, Add* | *3.17* | |
| | | *For >100 To 200, Add* | *1.79* | |
| | | *For >200 To 400, Add* | *0.86* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 16 00-0023 | LF | #8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 6.44 | |
| | | *For Up To 100, Add* | *4.07* | |
| | | *For >100 To 200, Add* | *2.29* | |
| | | *For >200 To 400, Add* | *1.10* | |
| 03 21 16 00-0024 | LF | #9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 8.00 | |
| | | *For Up To 100, Add* | *5.11* | |
| | | *For >100 To 200, Add* | *2.87* | |
| | | *For >200 To 400, Add* | *1.38* | |
| 03 21 16 00-0025 | LF | #10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 9.89 | |
| | | *For Up To 100, Add* | *5.16* | |
| | | *For >100 To 200, Add* | *2.71* | |
| | | *For >200 To 300, Add* | *1.35* | |
| 03 21 16 00-0026 | LF | #11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 11.93 | |
| | | *For Up To 100, Add* | *6.29* | |
| | | *For >100 To 200, Add* | *3.29* | |
| | | *For >200 To 300, Add* | *1.64* | |
| 03 21 16 00-0027 | LF | #14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 16.76 | |
| | | *For Up To 100, Add* | *8.93* | |
| | | *For >100 To 200, Add* | *4.65* | |
| | | *For >200 To 300, Add* | *2.33* | |
| 03 21 16 00-0028 | LF | #18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar | 29.05 | |
| | | *For Up To 100, Add* | *15.65* | |
| | | *For >100 To 200, Add* | *8.12* | |
| | | *For >200 To 300, Add* | *4.06* | |

## 03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 16 00-0030 | LF | #3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar | 1.02 | |
| | | *For Up To 100, Add* | *0.74* | |
| | | *For >100 To 200, Add* | *0.40* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 16 00-0031 | LF | #4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar | 1.76 | |
| | | *For Up To 100, Add* | *1.30* | |
| | | *For >100 To 200, Add* | *0.69* | |
| | | *For >200 To 500, Add* | *0.28* | |
| 03 21 16 00-0032 | LF | #5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar | 2.65 | |
| | | *For Up To 100, Add* | *2.00* | |
| | | *For >100 To 200, Add* | *1.05* | |
| | | *For >200 To 500, Add* | *0.42* | |
| 03 21 16 00-0033 | LF | #6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar | 3.68 | |
| | | *For Up To 100, Add* | *2.82* | |
| | | *For >100 To 200, Add* | *1.48* | |
| | | *For >200 To 500, Add* | *0.59* | |
| 03 21 16 00-0034 | LF | #3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar | 1.04 | |
| | | *For Up To 100, Add* | *0.76* | |
| | | *For >100 To 200, Add* | *0.41* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 16 00-0035 | LF | #4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar | 1.79 | |
| | | *For Up To 100, Add* | *1.33* | |
| | | *For >100 To 200, Add* | *0.71* | |
| | | *For >200 To 500, Add* | *0.28* | |
| 03 21 16 00-0036 | LF | #5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar | 2.70 | |
| | | *For Up To 100, Add* | *2.05* | |
| | | *For >100 To 200, Add* | *1.08* | |
| | | *For >200 To 500, Add* | *0.43* | |
| 03 21 16 00-0037 | LF | #6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar | 3.76 | |
| | | *For Up To 100, Add* | *2.90* | |
| | | *For >100 To 200, Add* | *1.52* | |
| | | *For >200 To 500, Add* | *0.61* | |
| 03 21 16 00-0038 | LF | #3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar | 1.07 | |
| | | *For Up To 100, Add* | *0.79* | |
| | | *For >100 To 200, Add* | *0.42* | |
| | | *For >200 To 500, Add* | *0.17* | |
| 03 21 16 00-0039 | LF | #4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar | 1.84 | |
| | | *For Up To 100, Add* | *1.38* | |
| | | *For >100 To 200, Add* | *0.73* | |
| | | *For >200 To 500, Add* | *0.29* | |
| 03 21 16 00-0040 | LF | #5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar | 2.78 | |
| | | *For Up To 100, Add* | *2.13* | |
| | | *For >100 To 200, Add* | *1.12* | |
| | | *For >200 To 500, Add* | *0.45* | |
| 03 21 16 00-0041 | LF | #6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar | 3.88 | |
| | | *For Up To 100, Add* | *3.02* | |
| | | *For >100 To 200, Add* | *1.58* | |
| | | *For >200 To 500, Add* | *0.63* | |
| 03 21 16 00-0042 | LF | #7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar | 5.10 | |
| | | *For Up To 100, Add* | *3.11* | |
| | | *For >100 To 200, Add* | *1.77* | |
| | | *For >200 To 400, Add* | *0.84* | |
| 03 21 16 00-0043 | LF | #8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar | 6.41 | |
| | | *For Up To 100, Add* | *3.98* | |
| | | *For >100 To 200, Add* | *2.25* | |
| | | *For >200 To 400, Add* | *1.07* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 16 00-0044 | LF | #9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar | 7.96 | |
| | | *For Up To 100, Add* | *4.99* | |
| | | *For >100 To 200, Add* | *2.82* | |
| | | *For >200 To 400, Add* | *1.35* | |
| 03 21 16 00-0045 | LF | #10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar | 9.81 | |
| | | *For Up To 100, Add* | *5.04* | |
| | | *For >100 To 200, Add* | *2.66* | |
| | | *For >200 To 300, Add* | *1.33* | |
| 03 21 16 00-0046 | LF | #11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar | 11.80 | |
| | | *For Up To 100, Add* | *6.13* | |
| | | *For >100 To 200, Add* | *3.22* | |
| | | *For >200 To 300, Add* | *1.61* | |
| 03 21 16 00-0047 | LF | #14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar | 16.55 | |
| | | *For Up To 100, Add* | *8.69* | |
| | | *For >100 To 200, Add* | *4.55* | |
| | | *For >200 To 300, Add* | *2.28* | |
| 03 21 16 00-0048 | LF | #18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar | 28.59 | |
| | | *For Up To 100, Add* | *15.20* | |
| | | *For >100 To 200, Add* | *7.93* | |
| | | *For >200 To 300, Add* | *3.96* | |
| 03 21 16 00-0049 | LF | #6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar | 3.99 | |
| | | *For Up To 100, Add* | *3.13* | |
| | | *For >100 To 200, Add* | *1.64* | |
| | | *For >200 To 500, Add* | *0.65* | |
| 03 21 16 00-0050 | LF | #7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar | 5.25 | |
| | | *For Up To 100, Add* | *3.23* | |
| | | *For >100 To 200, Add* | *1.83* | |
| | | *For >200 To 400, Add* | *0.87* | |
| 03 21 16 00-0051 | LF | #8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar | 6.62 | |
| | | *For Up To 100, Add* | *4.13* | |
| | | *For >100 To 200, Add* | *2.34* | |
| | | *For >200 To 400, Add* | *1.12* | |
| 03 21 16 00-0052 | LF | #9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar | 8.22 | |
| | | *For Up To 100, Add* | *5.19* | |
| | | *For >100 To 200, Add* | *2.92* | |
| | | *For >200 To 400, Add* | *1.40* | |
| 03 21 16 00-0053 | LF | #10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar | 10.14 | |
| | | *For Up To 100, Add* | *5.24* | |
| | | *For >100 To 200, Add* | *2.76* | |
| | | *For >200 To 300, Add* | *1.38* | |
| 03 21 16 00-0054 | LF | #11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar | 12.21 | |
| | | *For Up To 100, Add* | *6.37* | |
| | | *For >100 To 200, Add* | *3.35* | |
| | | *For >200 To 300, Add* | *1.67* | |
| 03 21 16 00-0055 | LF | #14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar | 17.14 | |
| | | *For Up To 100, Add* | *9.04* | |
| | | *For >100 To 200, Add* | *4.73* | |
| | | *For >200 To 300, Add* | *2.36* | |
| 03 21 16 00-0056 | LF | #18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar | 29.63 | |
| | | *For Up To 100, Add* | *15.82* | |
| | | *For >100 To 200, Add* | *8.24* | |
| | | *For >200 To 300, Add* | *4.12* | |

## 03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 16 00-0058 | LF | #3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar | 0.92 | |
| | | *For Up To 100, Add* | *0.70* | |
| | | *For >100 To 200, Add* | *0.37* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 16 00-0059 | LF | #4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar | 1.59 | |
| | | *For Up To 100, Add* | *1.24* | |
| | | *For >100 To 200, Add* | *0.65* | |
| | | *For >200 To 500, Add* | *0.26* | |
| 03 21 16 00-0060 | LF | #5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar | 2.41 | |
| | | *For Up To 100, Add* | *1.90* | |
| | | *For >100 To 200, Add* | *0.99* | |
| | | *For >200 To 500, Add* | *0.40* | |
| 03 21 16 00-0061 | LF | #6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar | 3.36 | |
| | | *For Up To 100, Add* | *2.69* | |
| | | *For >100 To 200, Add* | *1.40* | |
| | | *For >200 To 500, Add* | *0.56* | |
| 03 21 16 00-0062 | LF | #3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar | 0.94 | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 200, Add* | *0.38* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 16 00-0063 | LF | #4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar | 1.62 | |
| 03 21 16 00-0064 | LF | #5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar | 2.46 | |
| | | *For Up To 100, Add* | *1.95* | |
| | | *For >100 To 200, Add* | *1.02* | |
| | | *For >200 To 500, Add* | *0.41* | |
| 03 21 16 00-0065 | LF | #6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar | 3.44 | |
| | | *For Up To 100, Add* | *2.77* | |
| | | *For >100 To 200, Add* | *1.44* | |
| | | *For >200 To 500, Add* | *0.58* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 16 00-0066 | LF | #3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar | 0.97 | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 200, Add* | *0.40* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 16 00-0067 | LF | #4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar | 1.67 | |
| | | *For Up To 100, Add* | *1.32* | |
| | | *For >100 To 200, Add* | *0.69* | |
| | | *For >200 To 500, Add* | *0.28* | |
| 03 21 16 00-0068 | LF | #5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar | 2.54 | |
| | | *For Up To 100, Add* | *2.03* | |
| | | *For >100 To 200, Add* | *1.06* | |
| | | *For >200 To 500, Add* | *0.42* | |
| 03 21 16 00-0069 | LF | #6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar | 3.56 | |
| | | *For Up To 100, Add* | *2.89* | |
| | | *For >100 To 200, Add* | *1.50* | |
| | | *For >200 To 500, Add* | *0.60* | |
| 03 21 16 00-0070 | LF | #7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar | 4.70 | |
| | | *For Up To 100, Add* | *2.97* | |
| | | *For >100 To 200, Add* | *1.67* | |
| | | *For >200 To 400, Add* | *0.80* | |
| 03 21 16 00-0071 | LF | #8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar | 5.95 | |
| | | *For Up To 100, Add* | *3.81* | |
| | | *For >100 To 200, Add* | *2.14* | |
| | | *For >200 To 400, Add* | *1.03* | |
| 03 21 16 00-0072 | LF | #9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar | 7.41 | |
| | | *For Up To 100, Add* | *4.80* | |
| | | *For >100 To 200, Add* | *2.68* | |
| | | *For >200 To 400, Add* | *1.29* | |
| 03 21 16 00-0073 | LF | #10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar | 9.17 | |
| | | *For Up To 100, Add* | *4.85* | |
| | | *For >100 To 200, Add* | *2.53* | |
| | | *For >200 To 300, Add* | *1.27* | |
| 03 21 16 00-0074 | LF | #11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar | 11.08 | |
| | | *For Up To 100, Add* | *5.91* | |
| | | *For >100 To 200, Add* | *3.08* | |
| | | *For >200 To 300, Add* | *1.54* | |
| 03 21 16 00-0075 | LF | #14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar | 15.60 | |
| | | *For Up To 100, Add* | *8.40* | |
| | | *For >100 To 200, Add* | *4.36* | |
| | | *For >200 To 300, Add* | *2.18* | |
| 03 21 16 00-0076 | LF | #18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar | 27.11 | |
| | | *For Up To 100, Add* | *14.75* | |
| | | *For >100 To 200, Add* | *7.63* | |
| | | *For >200 To 300, Add* | *3.81* | |
| 03 21 16 00-0077 | LF | #6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar | 3.67 | |
| | | *For Up To 100, Add* | *3.00* | |
| | | *For >100 To 200, Add* | *1.56* | |
| | | *For >200 To 500, Add* | *0.62* | |
| 03 21 16 00-0078 | LF | #7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar | 4.85 | |
| | | *For Up To 100, Add* | *3.09* | |
| | | *For >100 To 200, Add* | *1.73* | |
| | | *For >200 To 400, Add* | *0.83* | |
| 03 21 16 00-0079 | LF | #8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar | 6.16 | |
| | | *For Up To 100, Add* | *3.97* | |
| | | *For >100 To 200, Add* | *2.22* | |
| | | *For >200 To 400, Add* | *1.07* | |
| 03 21 16 00-0080 | LF | #9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar | 7.67 | |
| | | *For Up To 100, Add* | *5.00* | |
| | | *For >100 To 200, Add* | *2.78* | |
| | | *For >200 To 400, Add* | *1.35* | |
| 03 21 16 00-0081 | LF | #10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar | 9.50 | |
| | | *For Up To 100, Add* | *5.04* | |
| | | *For >100 To 200, Add* | *2.63* | |
| | | *For >200 To 300, Add* | *1.32* | |
| 03 21 16 00-0082 | LF | #11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar | 11.49 | |
| | | *For Up To 100, Add* | *6.16* | |
| | | *For >100 To 200, Add* | *3.20* | |
| | | *For >200 To 300, Add* | *1.60* | |
| 03 21 16 00-0083 | LF | #14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar | 16.19 | |
| | | *For Up To 100, Add* | *8.76* | |
| | | *For >100 To 200, Add* | *4.54* | |
| | | *For >200 To 300, Add* | *2.27* | |
| 03 21 16 00-0084 | LF | #18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar | 28.15 | |
| | | *For Up To 100, Add* | *15.38* | |
| | | *For >100 To 200, Add* | *7.94* | |
| | | *For >200 To 300, Add* | *3.97* | |

## 03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 16 00-0086 | LF | #3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 0.90 | |
| | | *For Up To 100, Add* | *0.70* | |
| | | *For >100 To 200, Add* | *0.37* | |
| | | *For >200 To 500, Add* | *0.15* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 16 00-0087 | LF | #4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 1.55 | |
| | | *For Up To 100, Add* | *1.22* | |
| | | *For >100 To 200, Add* | *0.64* | |
| | | *For >200 To 500, Add* | *0.26* | |
| 03 21 16 00-0088 | LF | #5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 2.35 | |
| | | *For Up To 100, Add* | *1.88* | |
| | | *For >100 To 200, Add* | *0.98* | |
| | | *For >200 To 500, Add* | *0.39* | |
| 03 21 16 00-0089 | LF | #6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 3.28 | |
| | | *For Up To 100, Add* | *2.66* | |
| | | *For >100 To 200, Add* | *1.38* | |
| | | *For >200 To 500, Add* | *0.55* | |
| 03 21 16 00-0090 | LF | #3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 0.92 | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 200, Add* | *0.38* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 16 00-0091 | LF | #4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 1.58 | |
| | | *For Up To 100, Add* | *1.25* | |
| | | *For >100 To 200, Add* | *0.65* | |
| | | *For >200 To 500, Add* | *0.26* | |
| 03 21 16 00-0092 | LF | #5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 2.40 | |
| | | *For Up To 100, Add* | *1.93* | |
| | | *For >100 To 200, Add* | *1.00* | |
| | | *For >200 To 500, Add* | *0.40* | |
| 03 21 16 00-0093 | LF | #6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 3.36 | |
| | | *For Up To 100, Add* | *2.74* | |
| | | *For >100 To 200, Add* | *1.42* | |
| | | *For >200 To 500, Add* | *0.57* | |
| 03 21 16 00-0094 | LF | #3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 0.95 | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 200, Add* | *0.39* | |
| | | *For >200 To 500, Add* | *0.16* | |
| 03 21 16 00-0095 | LF | #4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 1.63 | |
| | | *For Up To 100, Add* | *1.30* | |
| | | *For >100 To 200, Add* | *0.68* | |
| | | *For >200 To 500, Add* | *0.27* | |
| 03 21 16 00-0096 | LF | #5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 2.48 | |
| | | *For Up To 100, Add* | *2.01* | |
| | | *For >100 To 200, Add* | *1.04* | |
| | | *For >200 To 500, Add* | *0.42* | |
| 03 21 16 00-0097 | LF | #6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 3.48 | |
| | | *For Up To 100, Add* | *2.86* | |
| | | *For >100 To 200, Add* | *1.48* | |
| | | *For >200 To 500, Add* | *0.59* | |
| 03 21 16 00-0098 | LF | #7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 4.62 | |
| | | *For Up To 100, Add* | *2.95* | |
| | | *For >100 To 200, Add* | *1.65* | |
| | | *For >200 To 400, Add* | *0.79* | |
| 03 21 16 00-0099 | LF | #8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 5.85 | |
| | | *For Up To 100, Add* | *3.78* | |
| | | *For >100 To 200, Add* | *2.11* | |
| | | *For >200 To 400, Add* | *1.02* | |
| 03 21 16 00-0100 | LF | #9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 7.30 | |
| | | *For Up To 100, Add* | *4.76* | |
| | | *For >100 To 200, Add* | *2.65* | |
| | | *For >200 To 400, Add* | *1.28* | |
| 03 21 16 00-0101 | LF | #10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 9.04 | |
| | | *For Up To 100, Add* | *4.81* | |
| | | *For >100 To 200, Add* | *2.51* | |
| | | *For >200 To 300, Add* | *1.25* | |
| 03 21 16 00-0102 | LF | #11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 10.94 | |
| | | *For Up To 100, Add* | *5.87* | |
| | | *For >100 To 200, Add* | *3.05* | |
| | | *For >200 To 300, Add* | *1.53* | |
| 03 21 16 00-0103 | LF | #14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 15.41 | |
| | | *For Up To 100, Add* | *8.35* | |
| | | *For >100 To 200, Add* | *4.32* | |
| | | *For >200 To 300, Add* | *2.16* | |
| 03 21 16 00-0104 | LF | #18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 26.81 | |
| | | *For Up To 100, Add* | *14.66* | |
| | | *For >100 To 200, Add* | *7.57* | |
| | | *For >200 To 300, Add* | *3.78* | |
| 03 21 16 00-0105 | LF | #6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 3.59 | |
| | | *For Up To 100, Add* | *2.97* | |
| | | *For >100 To 200, Add* | *1.54* | |
| | | *For >200 To 500, Add* | *0.61* | |
| 03 21 16 00-0106 | LF | #7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 4.77 | |
| | | *For Up To 100, Add* | *3.06* | |
| | | *For >100 To 200, Add* | *1.71* | |
| | | *For >200 To 400, Add* | *0.82* | |
| 03 21 16 00-0107 | LF | #8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 6.06 | |
| | | *For Up To 100, Add* | *3.94* | |
| | | *For >100 To 200, Add* | *2.20* | |
| | | *For >200 To 400, Add* | *1.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 16 00-0108 | LF | #9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 7.56 | |
| | | *For Up To 100, Add* | *4.96* | |
| | | *For >100 To 200, Add* | *2.76* | |
| | | *For >200 To 400, Add* | *1.33* | |
| 03 21 16 00-0109 | LF | #10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 9.37 | |
| | | *For Up To 100, Add* | *5.00* | |
| | | *For >100 To 200, Add* | *2.61* | |
| | | *For >200 To 300, Add* | *1.30* | |
| 03 21 16 00-0110 | LF | #11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 11.35 | |
| | | *For Up To 100, Add* | *6.11* | |
| | | *For >100 To 200, Add* | *3.17* | |
| | | *For >200 To 300, Add* | *1.59* | |
| 03 21 16 00-0111 | LF | #14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 16.00 | |
| | | *For Up To 100, Add* | *8.70* | |
| | | *For >100 To 200, Add* | *4.50* | |
| | | *For >200 To 300, Add* | *2.25* | |
| 03 21 16 00-0112 | LF | #18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar | 27.85 | |
| | | *For Up To 100, Add* | *15.29* | |
| | | *For >100 To 200, Add* | *7.88* | |
| | | *For >200 To 300, Add* | *3.94* | |

## 03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 16 00-0114 | LF | #3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 0.85 | |
| | | *For Up To 100, Add* | *0.68* | |
| | | *For >100 To 200, Add* | *0.35* | |
| | | *For >200 To 500, Add* | *0.14* | |
| 03 21 16 00-0115 | LF | #4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 1.48 | |
| | | *For Up To 100, Add* | *1.19* | |
| | | *For >100 To 200, Add* | *0.62* | |
| | | *For >200 To 500, Add* | *0.25* | |
| 03 21 16 00-0116 | LF | #5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 2.25 | |
| | | *For Up To 100, Add* | *1.84* | |
| | | *For >100 To 200, Add* | *0.95* | |
| | | *For >200 To 500, Add* | *0.38* | |
| 03 21 16 00-0117 | LF | #6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 3.15 | |
| | | *For Up To 100, Add* | *2.60* | |
| | | *For >100 To 200, Add* | *1.35* | |
| | | *For >200 To 500, Add* | *0.54* | |
| 03 21 16 00-0118 | LF | #3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 0.87 | |
| | | *For Up To 100, Add* | *0.70* | |
| | | *For >100 To 200, Add* | *0.36* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 16 00-0119 | LF | #4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 1.51 | |
| | | *For Up To 100, Add* | *1.22* | |
| | | *For >100 To 200, Add* | *0.64* | |
| | | *For >200 To 500, Add* | *0.25* | |
| 03 21 16 00-0120 | LF | #5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 2.30 | |
| | | *For Up To 100, Add* | *1.89* | |
| | | *For >100 To 200, Add* | *0.98* | |
| | | *For >200 To 500, Add* | *0.39* | |
| 03 21 16 00-0121 | LF | #6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 3.23 | |
| | | *For Up To 100, Add* | *2.68* | |
| | | *For >100 To 200, Add* | *1.39* | |
| | | *For >200 To 500, Add* | *0.56* | |
| 03 21 16 00-0122 | LF | #3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 0.90 | |
| | | *For Up To 100, Add* | *0.73* | |
| | | *For >100 To 200, Add* | *0.38* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 16 00-0123 | LF | #4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 1.56 | |
| | | *For Up To 100, Add* | *1.27* | |
| | | *For >100 To 200, Add* | *0.66* | |
| | | *For >200 To 500, Add* | *0.26* | |
| 03 21 16 00-0124 | LF | #5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 2.38 | |
| | | *For Up To 100, Add* | *1.97* | |
| | | *For >100 To 200, Add* | *1.02* | |
| | | *For >200 To 500, Add* | *0.41* | |
| 03 21 16 00-0125 | LF | #6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 3.35 | |
| | | *For Up To 100, Add* | *2.80* | |
| | | *For >100 To 200, Add* | *1.45* | |
| | | *For >200 To 500, Add* | *0.58* | |
| 03 21 16 00-0126 | LF | #7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 4.46 | |
| | | *For Up To 100, Add* | *2.89* | |
| | | *For >100 To 200, Add* | *1.61* | |
| | | *For >200 To 400, Add* | *0.78* | |
| 03 21 16 00-0127 | LF | #8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 5.65 | |
| | | *For Up To 100, Add* | *3.71* | |
| | | *For >100 To 200, Add* | *2.06* | |
| | | *For >200 To 400, Add* | *1.00* | |
| 03 21 16 00-0128 | LF | #9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 7.08 | |
| | | *For Up To 100, Add* | *4.69* | |
| | | *For >100 To 200, Add* | *2.60* | |
| | | *For >200 To 400, Add* | *1.26* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 16 00-0129 | LF | #10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 8.79 | |
| | | *For Up To 100, Add* | *4.73* | |
| | | *For >100 To 200, Add* | *2.46* | |
| | | *For >200 To 300, Add* | *1.23* | |
| 03 21 16 00-0130 | LF | #11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 10.65 | |
| | | *For Up To 100, Add* | *5.78* | |
| | | *For >100 To 200, Add* | *2.99* | |
| | | *For >200 To 300, Add* | *1.50* | |
| 03 21 16 00-0131 | LF | #14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 15.04 | |
| | | *For Up To 100, Add* | *8.24* | |
| | | *For >100 To 200, Add* | *4.25* | |
| | | *For >200 To 300, Add* | *2.12* | |
| 03 21 16 00-0132 | LF | #18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 26.23 | |
| | | *For Up To 100, Add* | *14.49* | |
| | | *For >100 To 200, Add* | *7.45* | |
| | | *For >200 To 300, Add* | *3.73* | |
| 03 21 16 00-0133 | LF | #6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 3.46 | |
| | | *For Up To 100, Add* | *2.91* | |
| | | *For >100 To 200, Add* | *1.50* | |
| | | *For >200 To 500, Add* | *0.60* | |
| 03 21 16 00-0134 | LF | #7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 4.61 | |
| | | *For Up To 100, Add* | *3.00* | |
| | | *For >100 To 200, Add* | *1.67* | |
| | | *For >200 To 400, Add* | *0.81* | |
| 03 21 16 00-0135 | LF | #8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 5.86 | |
| | | *For Up To 100, Add* | *3.87* | |
| | | *For >100 To 200, Add* | *2.15* | |
| | | *For >200 To 400, Add* | *1.04* | |
| 03 21 16 00-0136 | LF | #9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 7.34 | |
| | | *For Up To 100, Add* | *4.88* | |
| | | *For >100 To 200, Add* | *2.70* | |
| | | *For >200 To 400, Add* | *1.31* | |
| 03 21 16 00-0137 | LF | #10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 9.12 | |
| | | *For Up To 100, Add* | *4.93* | |
| | | *For >100 To 200, Add* | *2.56* | |
| | | *For >200 To 300, Add* | *1.28* | |
| 03 21 16 00-0138 | LF | #11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 11.06 | |
| | | *For Up To 100, Add* | *6.03* | |
| | | *For >100 To 200, Add* | *3.12* | |
| | | *For >200 To 300, Add* | *1.56* | |
| 03 21 16 00-0139 | LF | #14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 15.63 | |
| | | *For Up To 100, Add* | *8.59* | |
| | | *For >100 To 200, Add* | *4.43* | |
| | | *For >200 To 300, Add* | *2.21* | |
| 03 21 16 00-0140 | LF | #18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar | 27.27 | |
| | | *For Up To 100, Add* | *15.11* | |
| | | *For >100 To 200, Add* | *7.77* | |
| | | *For >200 To 300, Add* | *3.88* | |

## 03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

| | | | | |
|---|---|---|---|---|
| 03 21 16 00-0142 | LF | #3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar | 0.83 | |
| | | *For Up To 100, Add* | *0.67* | |
| | | *For >100 To 200, Add* | *0.35* | |
| | | *For >200 To 500, Add* | *0.14* | |
| 03 21 16 00-0143 | LF | #4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar | 1.45 | |
| | | *For Up To 100, Add* | *1.18* | |
| | | *For >100 To 200, Add* | *0.61* | |
| | | *For >200 To 500, Add* | *0.25* | |
| 03 21 16 00-0144 | LF | #5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar | 2.20 | |
| | | *For Up To 100, Add* | *1.82* | |
| | | *For >100 To 200, Add* | *0.94* | |
| | | *For >200 To 500, Add* | *0.38* | |
| 03 21 16 00-0145 | LF | #6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar | 3.09 | |
| | | *For Up To 100, Add* | *2.58* | |
| | | *For >100 To 200, Add* | *1.33* | |
| | | *For >200 To 500, Add* | *0.53* | |
| 03 21 16 00-0146 | LF | #3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar | 0.85 | |
| | | *For Up To 100, Add* | *0.69* | |
| | | *For >100 To 200, Add* | *0.36* | |
| | | *For >200 To 500, Add* | *0.14* | |
| 03 21 16 00-0147 | LF | #4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar | 1.48 | |
| | | *For Up To 100, Add* | *1.21* | |
| | | *For >100 To 200, Add* | *0.63* | |
| | | *For >200 To 500, Add* | *0.25* | |
| 03 21 16 00-0148 | LF | #5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar | 2.25 | |
| | | *For Up To 100, Add* | *1.87* | |
| | | *For >100 To 200, Add* | *0.97* | |
| | | *For >200 To 500, Add* | *0.39* | |
| 03 21 16 00-0149 | LF | #6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar | 3.17 | |
| | | *For Up To 100, Add* | *2.66* | |
| | | *For >100 To 200, Add* | *1.37* | |
| | | *For >200 To 500, Add* | *0.55* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 16 00-0150 | LF | #3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar | 0.88 | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 200, Add* | *0.37* | |
| | | *For >200 To 500, Add* | *0.15* | |
| 03 21 16 00-0151 | LF | #4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar | 1.53 | |
| | | *For Up To 100, Add* | *1.26* | |
| | | *For >100 To 200, Add* | *0.65* | |
| | | *For >200 To 500, Add* | *0.26* | |
| 03 21 16 00-0152 | LF | #5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar | 2.33 | |
| | | *For Up To 100, Add* | *1.95* | |
| | | *For >100 To 200, Add* | *1.01* | |
| | | *For >200 To 500, Add* | *0.40* | |
| 03 21 16 00-0153 | LF | #6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar | 3.29 | |
| | | *For Up To 100, Add* | *2.78* | |
| | | *For >100 To 200, Add* | *1.43* | |
| | | *For >200 To 500, Add* | *0.57* | |
| 03 21 16 00-0154 | LF | #7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar | 4.36 | |
| | | *For Up To 100, Add* | *2.85* | |
| | | *For >100 To 200, Add* | *1.59* | |
| | | *For >200 To 400, Add* | *0.77* | |
| 03 21 16 00-0155 | LF | #8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar | 5.57 | |
| | | *For Up To 100, Add* | *3.68* | |
| | | *For >100 To 200, Add* | *2.04* | |
| | | *For >200 To 400, Add* | *0.99* | |
| 03 21 16 00-0156 | LF | #9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar | 6.97 | |
| | | *For Up To 100, Add* | *4.65* | |
| | | *For >100 To 200, Add* | *2.57* | |
| | | *For >200 To 400, Add* | *1.25* | |
| 03 21 16 00-0157 | LF | #10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar | 8.66 | |
| | | *For Up To 100, Add* | *4.69* | |
| | | *For >100 To 200, Add* | *2.43* | |
| | | *For >200 To 300, Add* | *1.22* | |
| 03 21 16 00-0158 | LF | #11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar | 10.51 | |
| | | *For Up To 100, Add* | *5.74* | |
| | | *For >100 To 200, Add* | *2.96* | |
| | | *For >200 To 300, Add* | *1.48* | |
| 03 21 16 00-0159 | LF | #14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar | 14.85 | |
| | | *For Up To 100, Add* | *8.18* | |
| | | *For >100 To 200, Add* | *4.21* | |
| | | *For >200 To 300, Add* | *2.11* | |
| 03 21 16 00-0160 | LF | #18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar | 25.93 | |
| | | *For Up To 100, Add* | *14.40* | |
| | | *For >100 To 200, Add* | *7.39* | |
| | | *For >200 To 300, Add* | *3.70* | |
| 03 21 16 00-0161 | LF | #6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar | 3.40 | |
| | | *For Up To 100, Add* | *2.89* | |
| | | *For >100 To 200, Add* | *1.49* | |
| | | *For >200 To 500, Add* | *0.60* | |
| 03 21 16 00-0162 | LF | #7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar | 4.51 | |
| | | *For Up To 100, Add* | *2.97* | |
| | | *For >100 To 200, Add* | *1.65* | |
| | | *For >200 To 400, Add* | *0.80* | |
| 03 21 16 00-0163 | LF | #8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar | 5.78 | |
| | | *For Up To 100, Add* | *3.84* | |
| | | *For >100 To 200, Add* | *2.13* | |
| | | *For >200 To 400, Add* | *1.03* | |
| 03 21 16 00-0164 | LF | #9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar | 7.23 | |
| | | *For Up To 100, Add* | *4.84* | |
| | | *For >100 To 200, Add* | *2.67* | |
| | | *For >200 To 400, Add* | *1.30* | |
| 03 21 16 00-0165 | LF | #10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar | 8.99 | |
| | | *For Up To 100, Add* | *4.89* | |
| | | *For >100 To 200, Add* | *2.53* | |
| | | *For >200 To 300, Add* | *1.26* | |
| 03 21 16 00-0166 | LF | #11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar | 10.92 | |
| | | *For Up To 100, Add* | *5.99* | |
| | | *For >100 To 200, Add* | *3.09* | |
| | | *For >200 To 300, Add* | *1.54* | |
| 03 21 16 00-0167 | LF | #14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar | 15.44 | |
| | | *For Up To 100, Add* | *8.53* | |
| | | *For >100 To 200, Add* | *4.39* | |
| | | *For >200 To 300, Add* | *2.19* | |
| 03 21 16 00-0168 | LF | #18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar | 26.97 | |
| | | *For Up To 100, Add* | *15.02* | |
| | | *For >100 To 200, Add* | *7.71* | |
| | | *For >200 To 300, Add* | *3.85* | |

## 03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0279 for drilling in concrete.

| | | | | |
|---|---|---|---|---|
| 03 21 16 00-0170 | EA | 3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel | 5.14 | |
| | | *For Up To 12" Length, Deduct* | *-0.69* | |
| | | *For >12" To <24" Length, Deduct* | *-0.34* | |
| 03 21 16 00-0171 | EA | 1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel | 6.26 | |
| | | *For Up To 12" Length, Deduct* | *-1.04* | |
| | | *For >12" To <24" Length, Deduct* | *-0.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 21 16 00-0172 | EA | 5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel | 7.97 | |
| | | *For Up To 12" Length, Deduct* | *-1.55* | |
| | | *For >12" To <24" Length, Deduct* | *-0.78* | |
| 03 21 16 00-0173 | EA | 3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel | 10.01 | |
| | | *For Up To 12" Length, Deduct* | *-2.06* | |
| | | *For >12" To <24" Length, Deduct* | *-1.03* | |
| 03 21 16 00-0174 | EA | 7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel | 12.33 | |
| | | *For Up To 12" Length, Deduct* | *-2.81* | |
| | | *For >12" To <24" Length, Deduct* | *-1.41* | |
| 03 21 16 00-0175 | EA | 1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel | 14.50 | |
| | | *For Up To 12" Length, Deduct* | *-3.46* | |
| | | *For >12" To <24" Length, Deduct* | *-1.73* | |
| 03 21 16 00-0176 | EA | 1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel | 17.21 | |
| | | *For Up To 12" Length, Deduct* | *-4.19* | |
| | | *For >12" To <24" Length, Deduct* | *-2.09* | |
| 03 21 16 00-0177 | EA | 1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel | 20.74 | |
| | | *For Up To 12" Length, Deduct* | *-5.07* | |
| | | *For >12" To <24" Length, Deduct* | *-2.54* | |

## 03 22 Fabric and Grid Reinforcing *(03 20)*

### 03 22 11 Plain Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

| | | | | |
|---|---|---|---|---|
| 03 22 11 00-0002 | SF | 6" x 6" x #10, 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) | 0.85 | |
| | | *For >5 Ton, Deduct* | *-0.13* | |
| 03 22 11 00-0003 | SF | 6" x 6" x #8, 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) | 0.97 | |
| | | *For >5 Ton, Deduct* | *-0.15* | |
| 03 22 11 00-0004 | SF | 6" x 6" x #6, 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) | 1.11 | |
| | | *For >5 Ton, Deduct* | *-0.16* | |
| 03 22 11 00-0005 | SF | 6" x 6" x #4, 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) | 1.30 | |
| | | *For >5 Ton, Deduct* | *-0.19* | |
| 03 22 11 00-0006 | SF | 4" x 4" x #10, 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) | 1.02 | |
| | | *For >5 Ton, Deduct* | *-0.15* | |
| 03 22 11 00-0007 | SF | 4" x 4" x #8, 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) | 1.15 | |
| | | *For >5 Ton, Deduct* | *-0.17* | |
| 03 22 11 00-0008 | SF | 4" x 4" x #6, 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) | 1.43 | |
| | | *For >5 Ton, Deduct* | *-0.20* | |
| 03 22 11 00-0009 | SF | 4" x 4" x #4, 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) | 1.67 | |
| | | *For >5 Ton, Deduct* | *-0.23* | |
| 03 22 11 00-0010 | SF | 2" x 2" x #12, 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9) | 1.55 | |
| | | *For >5 Ton, Deduct* | *-0.20* | |
| 03 22 11 00-0011 | SF | 2" x 2" x #10, 60 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) | 2.13 | |
| | | *For >5 Ton, Deduct* | *-0.27* | |
| 03 22 11 00-0012 | SF | 2" x 2" x #8, 88 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) | 2.87 | |
| | | *For >5 Ton, Deduct* | *-0.35* | |
| 03 22 11 00-0013 | SF | 6" x 12" (AWG #0 x AWG #3) Plain Welded Wire Fabric Reinforcing In Slabs, (W 7.4 x 4.7) | 1.43 | |
| | | *For >5 Ton, Deduct* | *-0.20* | |

### 03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

| | | | | |
|---|---|---|---|---|
| 03 22 13 00-0002 | SF | 6" x 6" x #10, 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) | 0.94 | |
| | | *For >5 Ton, Deduct* | *-0.14* | |
| 03 22 13 00-0003 | SF | 6" x 6" x #8, 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) | 1.08 | |
| | | *For >5 Ton, Deduct* | *-0.16* | |
| 03 22 13 00-0004 | SF | 6" x 6" x #6, 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) | 1.25 | |
| | | *For >5 Ton, Deduct* | *-0.18* | |
| 03 22 13 00-0005 | SF | 6" x 6" x #4, 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) | 1.50 | |
| | | *For >5 Ton, Deduct* | *-0.21* | |
| 03 22 13 00-0006 | SF | 4" x 4" x #10, 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) | 1.15 | |
| | | *For >5 Ton, Deduct* | *-0.16* | |
| 03 22 13 00-0007 | SF | 4" x 4" x #8, 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) | 1.31 | |
| | | *For >5 Ton, Deduct* | *-0.18* | |
| 03 22 13 00-0008 | SF | 4" x 4" x #6, 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) | 1.69 | |
| | | *For >5 Ton, Deduct* | *-0.22* | |
| 03 22 13 00-0009 | SF | 4" x 4" x #4, 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) | 1.99 | |
| | | *For >5 Ton, Deduct* | *-0.26* | |

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

| | | | | |
|---|---|---|---|---|
| 03 22 13 00-0011 | SF | 2" x 2" x #14, 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5) | 3.34 | |
| | | *For >5 Ton, Deduct* | *-0.52* | |

### 03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing *(03 22)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 22 16 00-0001 | | Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 16)* | | |
| | | Note: Includes bar chairs. Under 5 tons. | | |
| 03 22 16 00-0002 | SF | 6" x 6" x #10, 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) | 0.93 | |
| | | *For >5 Ton, Deduct* | *-0.14* | |
| 03 22 16 00-0003 | SF | 6" x 6" x #8, 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) | 1.07 | |
| | | *For >5 Ton, Deduct* | *-0.16* | |
| 03 22 16 00-0004 | SF | 6" x 6" x #6, 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) | 1.23 | |
| | | *For >5 Ton, Deduct* | *-0.18* | |
| 03 22 16 00-0005 | SF | 6" x 6" x #4, 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) | 1.48 | |
| | | *For >5 Ton, Deduct* | *-0.20* | |
| 03 22 16 00-0006 | SF | 4" x 4" x #10, 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) | 1.13 | |
| | | *For >5 Ton, Deduct* | *-0.16* | |
| 03 22 16 00-0007 | SF | 4" x 4" x #8, 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) | 1.29 | |
| | | *For >5 Ton, Deduct* | *-0.18* | |
| 03 22 16 00-0008 | SF | 4" x 4" x #6, 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) | 1.66 | |
| | | *For >5 Ton, Deduct* | *-0.22* | |
| 03 22 16 00-0009 | SF | 4" x 4" x #4, 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) | 1.95 | |
| | | *For >5 Ton, Deduct* | *-0.26* | |

### 03 22 23 Stainless Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

| | | | | |
|---|---|---|---|---|
| 03 22 23 00-0001 | | Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 23)* | | |
| 03 22 23 00-0002 | SF | 6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs | 1.54 | |
| 03 22 23 00-0003 | SF | 4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs | 1.97 | |

## 03 30 Cast-In-Place Concrete *(03)*

See CSI section 01 74 19 00-0041 for hauling over 15 miles.

### 03 30 53 Miscellaneous Cast-in-Place Concrete *(03 30)*

| | | | | |
|---|---|---|---|---|
| 03 30 53 00-0001 | | Place Concrete Duct Bank *(03 30 53)* | | |
| 03 30 53 00-0002 | CY | Direct Chute, Place 3,000 PSI Concrete Duct Bank | 217.78 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *15.03* | |
| | | *For >20 To 50, Add* | *5.64* | |
| | | *For >100 To 200, Deduct* | *-4.36* | |
| | | *For >200 To 400, Deduct* | *-8.71* | |
| | | *For >400, Deduct* | *-13.07* | |

| | | | | |
|---|---|---|---|---|
| 03 30 53 00-0003 | | Place Concrete Thrust Blocks And Backfill *(03 30 53)* | | |
| 03 30 53 00-0004 | CY | Direct Chute, Place 3,000 PSI Concrete Thrust Blocks | 265.04 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *33.93* | |
| | | *For >20 To 50, Add* | *12.72* | |
| | | *For >100 To 200, Deduct* | *-5.30* | |
| | | *For >200 To 400, Deduct* | *-10.60* | |
| | | *For >400, Deduct* | *-15.90* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 30 53 00-0005 | CY | Concrete Pump, Place 3,000 PSI Concrete Thrust Blocks<br>Note: Excludes pumping equipment. | 265.08 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |

### 03 30 53 00-0006 Place Concrete Slurry *(03 30 53)*

| | | | | |
|---|---|---|---|---|
| 03 30 53 00-0007 | CY | Direct Chute, Place Two Sack Cement, Concrete Slurry<br>Note: Two 94# sack cement per CY. | 202.59 | |
| 03 30 53 00-0008 | CY | Concrete Pump, Place Two Sack Cement, Concrete Slurry<br>Note: Two 94# sack cement per CY. Excludes pumping equipment. | 195.10 | |
| 03 30 53 00-0009 | CY | Direct Chute, Place One Sack Cement, Concrete Slurry<br>Note: One 94# sack cement per CY. | 178.93 | |
| 03 30 53 00-0010 | CY | Concrete Pump, Place One Sack Cement, Concrete Slurry<br>Note: One 94# sack cement per CY. Excludes pumping equipment. | 171.44 | |

### 03 30 53 00-0011 Hand Mix And Place Concrete *(03 30 53)*

| | | | | |
|---|---|---|---|---|
| 03 30 53 00-0012 | CF | Hand Mix And Place 3,000 PSI Concrete<br>Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water. | 20.52 | |
| | | *For Up To 25 CF, Add* | *2.44* | |
| | | *For 2,000 PSI Concrete, Deduct* | *-0.42* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-0.21* | |
| | | *For 3,500 PSI Concrete, Add* | *0.39* | |
| | | *For 3,750 PSI Concrete, Add* | *0.52* | |
| | | *For 4,000 PSI Concrete, Add* | *0.66* | |
| | | *For 4,500 PSI Concrete, Add* | *0.77* | |
| | | *For 5,000 PSI Concrete, Add* | *0.88* | |
| | | *For 6,000 PSI Concrete, Add* | *2.08* | |
| | | *For White Cement Concrete, Add* | *0.92* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *1.00* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *0.77* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *2.70* | |

## 03 31 Structural Concrete *(03 30)*

### 03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

### 03 31 13 00-0001 Concrete Slab Assemblies *(03 31 13)*

### 03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies *(03 31 13 00-0001)*

Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

| | | | | |
|---|---|---|---|---|
| 03 31 13 00-0003 | SF | 4" 3,000 PSI Slab On Grade Concrete Slab Assembly | 8.66 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-0.24* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-0.12* | |
| | | *For 3,500 PSI Concrete, Add* | *0.08* | |
| | | *For 4,000 PSI Concrete, Add* | *0.28* | |
| | | *For 4,500 PSI Concrete, Add* | *0.35* | |
| | | *For 5,000 PSI Concrete, Add* | *0.40* | |
| | | *For Reinforcing Rods Are At 18" On Center, Deduct* | *-0.58* | |
| | | *For Reinforcing Rods Are At 24" On Center, Deduct* | *-0.86* | |
| | | *For Up To 500, Add* | *3.45* | |
| | | *For >500 To 1,000, Add* | *2.37* | |
| | | *For >1,000 To 2,000, Add* | *1.30* | |
| | | *For >2,000 To 5,000, Add* | *0.65* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.22* | |
| | | *For >20,000 To 35,000, Deduct* | *-0.44* | |
| | | *For >35,000 To 50,000, Deduct* | *-0.65* | |
| | | *For >50,000 To 70,000, Deduct* | *-0.87* | |
| | | *For >70,000, Deduct* | *-1.08* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0004 | SF | 5" 3,000 PSI Slab On Grade Concrete Slab Assembly | 9.46 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-0.27* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-0.13* | |
| | | *For 3,500 PSI Concrete, Add* | *0.09* | |
| | | *For 4,000 PSI Concrete, Add* | *0.31* | |
| | | *For 4,500 PSI Concrete, Add* | *0.39* | |
| | | *For 5,000 PSI Concrete, Add* | *0.45* | |
| | | *For Reinforcing Rods Are At 18" On Center, Deduct* | *-0.58* | |
| | | *For Reinforcing Rods Are At 24" On Center, Deduct* | *-0.86* | |
| | | *For Up To 500, Add* | *3.69* | |
| | | *For >500 To 1,000, Add* | *2.54* | |
| | | *For >1,000 To 2,000, Add* | *1.40* | |
| | | *For >2,000 To 5,000, Add* | *0.70* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.25* | |
| | | *For >20,000 To 35,000, Deduct* | *-0.49* | |
| | | *For >35,000 To 50,000, Deduct* | *-0.72* | |
| | | *For >50,000 To 70,000, Deduct* | *-0.96* | |
| | | *For >70,000, Deduct* | *-1.19* | |
| 03 31 13 00-0005 | SF | 6" 3,000 PSI Slab On Grade Concrete Slab Assembly | 10.60 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-0.31* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-0.16* | |
| | | *For 3,500 PSI Concrete, Add* | *0.11* | |
| | | *For 4,000 PSI Concrete, Add* | *0.37* | |
| | | *For 4,500 PSI Concrete, Add* | *0.46* | |
| | | *For 5,000 PSI Concrete, Add* | *0.53* | |
| | | *For Reinforcing Rods Are At 18" On Center, Deduct* | *-0.58* | |
| | | *For Reinforcing Rods Are At 24" On Center, Deduct* | *-0.86* | |
| | | *For Up To 500, Add* | *4.04* | |
| | | *For >500 To 1,000, Add* | *2.79* | |
| | | *For >1,000 To 2,000, Add* | *1.54* | |
| | | *For >2,000 To 5,000, Add* | *0.77* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000 To 35,000, Deduct* | *-0.56* | |
| | | *For >35,000 To 50,000, Deduct* | *-0.82* | |
| | | *For >50,000 To 70,000, Deduct* | *-1.09* | |
| | | *For >70,000, Deduct* | *-1.35* | |
| 03 31 13 00-0006 | SF | 7" 3,000 PSI Slab On Grade Concrete Slab Assembly | 11.67 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-0.36* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-0.18* | |
| | | *For 3,500 PSI Concrete, Add* | *0.13* | |
| | | *For 4,000 PSI Concrete, Add* | *0.42* | |
| | | *For 4,500 PSI Concrete, Add* | *0.53* | |
| | | *For 5,000 PSI Concrete, Add* | *0.61* | |
| | | *For Reinforcing Rods Are At 18" On Center, Deduct* | *-0.58* | |
| | | *For Reinforcing Rods Are At 24" On Center, Deduct* | *-0.86* | |
| | | *For Up To 500, Add* | *4.33* | |
| | | *For >500 To 1,000, Add* | *3.00* | |
| | | *For >1,000 To 2,000, Add* | *1.67* | |
| | | *For >2,000 To 5,000, Add* | *0.83* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.33* | |
| | | *For >20,000 To 35,000, Deduct* | *-0.63* | |
| | | *For >35,000 To 50,000, Deduct* | *-0.92* | |
| | | *For >50,000 To 70,000, Deduct* | *-1.21* | |
| | | *For >70,000, Deduct* | *-1.50* | |
| 03 31 13 00-0007 | SF | 8" 3,000 PSI Slab On Grade Concrete Slab Assembly | 12.59 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-0.40* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-0.20* | |
| | | *For 3,500 PSI Concrete, Add* | *0.14* | |
| | | *For 4,000 PSI Concrete, Add* | *0.47* | |
| | | *For 4,500 PSI Concrete, Add* | *0.58* | |
| | | *For 5,000 PSI Concrete, Add* | *0.67* | |
| | | *For Reinforcing Rods Are At 18" On Center, Deduct* | *-0.58* | |
| | | *For Reinforcing Rods Are At 24" On Center, Deduct* | *-0.86* | |
| | | *For Up To 500, Add* | *4.59* | |
| | | *For >500 To 1,000, Add* | *3.19* | |
| | | *For >1,000 To 2,000, Add* | *1.78* | |
| | | *For >2,000 To 5,000, Add* | *0.89* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.37* | |
| | | *For >20,000 To 35,000, Deduct* | *-0.68* | |
| | | *For >35,000 To 50,000, Deduct* | *-1.00* | |
| | | *For >50,000 To 70,000, Deduct* | *-1.31* | |
| | | *For >70,000, Deduct* | *-1.63* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0008 | SF | 10" 3,000 PSI Slab On Grade Concrete Slab Assembly | 14.93 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-0.50* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-0.25* | |
| | | *For 3,500 PSI Concrete, Add* | *0.18* | |
| | | *For 4,000 PSI Concrete, Add* | *0.59* | |
| | | *For 4,500 PSI Concrete, Add* | *0.74* | |
| | | *For 5,000 PSI Concrete, Add* | *0.85* | |
| | | *For Reinforcing Rods Are At 18" On Center, Deduct* | *-0.58* | |
| | | *For Reinforcing Rods Are At 24" On Center, Deduct* | *-0.86* | |
| | | *For Up To 500, Add* | *5.22* | |
| | | *For >500 To 1,000, Add* | *3.64* | |
| | | *For >1,000 To 2,000, Add* | *2.05* | |
| | | *For >2,000 To 5,000, Add* | *1.03* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.47* | |
| | | *For >20,000 To 35,000, Deduct* | *-0.84* | |
| | | *For >35,000 To 50,000, Deduct* | *-1.21* | |
| | | *For >50,000 To 70,000, Deduct* | *-1.59* | |
| | | *For >70,000, Deduct* | *-1.96* | |
| 03 31 13 00-0009 | SF | 12" 3,000 PSI Slab On Grade Concrete Slab Assembly | 16.75 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-0.58* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-0.29* | |
| | | *For 3,500 PSI Concrete, Add* | *0.20* | |
| | | *For 4,000 PSI Concrete, Add* | *0.68* | |
| | | *For 4,500 PSI Concrete, Add* | *0.85* | |
| | | *For 5,000 PSI Concrete, Add* | *0.98* | |
| | | *For Reinforcing Rods Are At 18" On Center, Deduct* | *-0.58* | |
| | | *For Reinforcing Rods Are At 24" On Center, Deduct* | *-0.86* | |
| | | *For Up To 500, Add* | *5.74* | |
| | | *For >500 To 1,000, Add* | *4.01* | |
| | | *For >1,000 To 2,000, Add* | *2.27* | |
| | | *For >2,000 To 5,000, Add* | *1.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.54* | |
| | | *For >20,000 To 35,000, Deduct* | *-0.96* | |
| | | *For >35,000 To 50,000, Deduct* | *-1.38* | |
| | | *For >50,000 To 70,000, Deduct* | *-1.79* | |
| | | *For >70,000, Deduct* | *-2.21* | |

### 03 31 13 00-0010 Concrete Delivery And Placement *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.

### 03 31 13 00-0011 Place Concrete By Method Indicated *(03 31 13 00-0010)*

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

### 03 31 13 00-0012 Place Concrete Pile Caps *(03 31 13 00-0011)*

| | | | | |
|---|---|---|---|---|
| 03 31 13 00-0013 | CY | Crane And Bucket, Place 3,000 PSI Concrete Pile Caps | 318.12 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *55.16* | |
| | | *For >20 To 50, Add* | *20.69* | |
| | | *For >100 To 200, Deduct* | *-6.36* | |
| | | *For >200 To 400, Deduct* | *-12.72* | |
| | | *For >400, Deduct* | *-19.09* | |
| 03 31 13 00-0014 | CY | Direct Chute, Place 3,000 PSI Concrete Pile Caps | 242.58 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *24.95* | |
| | | *For >20 To 50, Add* | *9.36* | |
| | | *For >100 To 200, Deduct* | *-4.85* | |
| | | *For >200 To 400, Deduct* | *-9.70* | |
| | | *For >400, Deduct* | *-14.55* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0015 | CY | Concrete Pump, Place 3,000 PSI Concrete Pile Caps | 254.62 | |
| | | Note: Excludes pumping equipment. | | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *23.76* | |
| | | *For >20 To 50, Add* | *8.91* | |
| | | *For >100 To 200, Deduct* | *-5.09* | |
| | | *For >200 To 400, Deduct* | *-10.18* | |
| | | *For >400, Deduct* | *-15.28* | |

## 03 31 13 00-0016 Place Concrete Continuous Footings *(03 31 13 00-0011)*

| | | | | |
|---|---|---|---|---|
| 03 31 13 00-0017 | CY | Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings | 302.79 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *49.03* | |
| | | *For >20 To 50, Add* | *18.39* | |
| | | *For >100 To 200, Deduct* | *-6.06* | |
| | | *For >200 To 400, Deduct* | *-12.11* | |
| | | *For >400, Deduct* | *-18.17* | |
| 03 31 13 00-0018 | CY | Direct Chute, Place 3,000 PSI Concrete Continuous Footings | 235.66 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *22.18* | |
| | | *For >20 To 50, Add* | *8.32* | |
| | | *For >100 To 200, Deduct* | *-4.71* | |
| | | *For >200 To 400, Deduct* | *-9.43* | |
| | | *For >400, Deduct* | *-14.14* | |
| 03 31 13 00-0019 | CY | Concrete Pump, Place 3,000 PSI Concrete Continuous Footings | 248.03 | |
| | | Note: Excludes pumping equipment. | | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *21.12* | |
| | | *For >20 To 50, Add* | *7.92* | |
| | | *For >100 To 200, Deduct* | *-4.96* | |
| | | *For >200 To 400, Deduct* | *-9.92* | |
| | | *For >400, Deduct* | *-14.88* | |

## 03 31 13 00-0020 Place Concrete Spread Footings *(03 31 13 00-0011)*


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0021 | CY | Crane And Bucket, Place 3,000 PSI Concrete Spread Footings | 387.07 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *82.74* | |
| | | *For >20 To 50, Add* | *31.03* | |
| | | *For >100 To 200, Deduct* | *-7.74* | |
| | | *For >200 To 400, Deduct* | *-15.48* | |
| | | *For >400, Deduct* | *-23.22* | |
| 03 31 13 00-0022 | CY | Direct Chute, Place 3,000 PSI Concrete Spread Footings | 273.77 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *37.42* | |
| | | *For >20 To 50, Add* | *14.03* | |
| | | *For >100 To 200, Deduct* | *-5.48* | |
| | | *For >200 To 400, Deduct* | *-10.95* | |
| | | *For >400, Deduct* | *-16.43* | |
| 03 31 13 00-0023 | CY | Concrete Pump, Place 3,000 PSI Concrete Spread Footings<br>Note: Excludes pumping equipment. | 284.33 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *35.64* | |
| | | *For >20 To 50, Add* | *13.37* | |
| | | *For >100 To 200, Deduct* | *-5.69* | |
| | | *For >200 To 400, Deduct* | *-11.37* | |
| | | *For >400, Deduct* | *-17.06* | |

## 03 31 13 00-0024 Place Concrete Mat Foundation *(03 31 13 00-0011)*

| | | | | |
|---|---|---|---|---|
| 03 31 13 00-0025 | CY | Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation | 216.99 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *14.71* | |
| | | *For >20 To 50, Add* | *5.52* | |
| | | *For >100 To 200, Deduct* | *-4.34* | |
| | | *For >200 To 400, Deduct* | *-8.68* | |
| | | *For >400, Deduct* | *-13.02* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0026 | CY | Direct Chute, Place 3,000 PSI Concrete Mat Foundation | 196.84 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *6.65* | |
| | | *For >20 To 50, Add* | *2.49* | |
| | | *For >100 To 200, Deduct* | *-3.94* | |
| | | *For >200 To 400, Deduct* | *-7.87* | |
| | | *For >400, Deduct* | *-11.81* | |
| 03 31 13 00-0027 | CY | Concrete Pump, Place 3,000 PSI Concrete Mat Foundation<br>Note: Excludes pumping equipment. | 209.08 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *5.54* | |
| | | *For >20 To 50, Add* | *2.08* | |
| | | *For >100 To 200, Deduct* | *-4.18* | |
| | | *For >200 To 400, Deduct* | *-8.36* | |
| | | *For >400, Deduct* | *-12.54* | |

## 03 31 13 00-0028 Place Concrete Grade Beams *(03 31 13 00-0011)*

| | | | | |
|---|---|---|---|---|
| 03 31 13 00-0029 | CY | Crane And Bucket, Place 3,000 PSI Concrete Grade Beams | 278.28 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *39.23* | |
| | | *For >20 To 50, Add* | *14.71* | |
| | | *For >100 To 200, Deduct* | *-5.57* | |
| | | *For >200 To 400, Deduct* | *-11.13* | |
| | | *For >400, Deduct* | *-16.70* | |
| 03 31 13 00-0030 | CY | Direct Chute, Place 3,000 PSI Concrete Grade Beams | 224.56 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *17.74* | |
| | | *For >20 To 50, Add* | *6.65* | |
| | | *For >100 To 200, Deduct* | *-4.49* | |
| | | *For >200 To 400, Deduct* | *-8.98* | |
| | | *For >400, Deduct* | *-13.47* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0031 | CY | Concrete Pump, Place 3,000 PSI Concrete Grade Beams<br>Note: Excludes pumping equipment. | 237.46 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *16.90* | |
| | | *For >20 To 50, Add* | *6.34* | |
| | | *For >100 To 200, Deduct* | *-4.75* | |
| | | *For >200 To 400, Deduct* | *-9.50* | |
| | | *For >400, Deduct* | *-14.25* | |

## 03 31 13 00-0032 Place Concrete Slab On Grade *(03 31 13 00-0011)*

| | | | | |
|---|---|---|---|---|
| 03 31 13 00-0033 | CY | Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade | 280.59 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *40.15* | |
| | | *For >20 To 50, Add* | *15.06* | |
| | | *For >100 To 200, Deduct* | *-5.61* | |
| | | *For >200 To 400, Deduct* | *-11.22* | |
| | | *For >400, Deduct* | *-16.84* | |
| 03 31 13 00-0034 | CY | >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade | 256.38 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *30.47* | |
| | | *For >20 To 50, Add* | *11.43* | |
| | | *For >100 To 200, Deduct* | *-5.13* | |
| | | *For >200 To 400, Deduct* | *-10.26* | |
| | | *For >400, Deduct* | *-15.38* | |
| 03 31 13 00-0035 | CY | Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade | 225.61 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *18.16* | |
| | | *For >20 To 50, Add* | *6.81* | |
| | | *For >100 To 200, Deduct* | *-4.51* | |
| | | *For >200 To 400, Deduct* | *-9.02* | |
| | | *For >400, Deduct* | *-13.54* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0036 | CY | >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade | 214.65 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *13.78* | |
| | | *For >20 To 50, Add* | *5.17* | |
| | | *For >100 To 200, Deduct* | *-4.29* | |
| | | *For >200 To 400, Deduct* | *-8.59* | |
| | | *For >400, Deduct* | *-12.88* | |
| 03 31 13 00-0037 | CY | Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade<br>Note: Excludes pumping equipment. | 233.05 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *15.13* | |
| | | *For >20 To 50, Add* | *5.67* | |
| | | *For >100 To 200, Deduct* | *-4.66* | |
| | | *For >200 To 400, Deduct* | *-9.32* | |
| | | *For >400, Deduct* | *-13.98* | |
| 03 31 13 00-0038 | CY | >6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade<br>Note: Excludes pumping equipment. | 223.93 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *11.48* | |
| | | *For >20 To 50, Add* | *4.31* | |
| | | *For >100 To 200, Deduct* | *-4.48* | |
| | | *For >200 To 400, Deduct* | *-8.96* | |
| | | *For >400, Deduct* | *-13.44* | |

## 03 31 13 00-0039 Place Concrete Stairs *(03 31 13 00-0011)*

| | | | | |
|---|---|---|---|---|
| 03 31 13 00-0040 | CY | Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs | 631.82 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *180.64* | |
| | | *For >20 To 50, Add* | *67.74* | |
| | | *For >100 To 200, Deduct* | *-12.64* | |
| | | *For >200 To 400, Deduct* | *-25.27* | |
| | | *For >400, Deduct* | *-37.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0041 | CY | Direct Chute, Place 3,000 PSI On Grade Concrete Stairs | 384.50 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *81.72* | |
| | | *For >20 To 50, Add* | *30.64* | |
| | | *For >100 To 200, Deduct* | *-7.69* | |
| | | *For >200 To 400, Deduct* | *-15.38* | |
| | | *For >400, Deduct* | *-23.07* | |
| 03 31 13 00-0042 | CY | Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs<br>Note: Excludes pumping equipment. | 365.48 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *68.10* | |
| | | *For >20 To 50, Add* | *25.54* | |
| | | *For >100 To 200, Deduct* | *-7.31* | |
| | | *For >200 To 400, Deduct* | *-14.62* | |
| | | *For >400, Deduct* | *-21.93* | |

### 03 31 13 00-0043 Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)*

See CSI section 03 37 16 00-0001 for concrete pump truck.

### 03 31 13 00-0044 Place Elevated Concrete Beams *(03 31 13 00-0043)*

| | | | | |
|---|---|---|---|---|
| 03 31 13 00-0045 | CY | Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams | 425.38 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *98.07* | |
| | | *For >20 To 50, Add* | *36.78* | |
| | | *For >100 To 200, Deduct* | *-8.51* | |
| | | *For >200 To 400, Deduct* | *-17.02* | |
| | | *For >400, Deduct* | *-25.52* | |
| 03 31 13 00-0046 | CY | Concrete Pump, Place 3,000 PSI Elevated Concrete Beams<br>Note: Excludes pumping equipment. | 300.83 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *42.24* | |
| | | *For >20 To 50, Add* | *15.84* | |
| | | *For >100 To 200, Deduct* | *-6.02* | |
| | | *For >200 To 400, Deduct* | *-12.03* | |
| | | *For >400, Deduct* | *-18.05* | |

### 03 31 13 00-0047 Place Elevated Concrete Slab *(03 31 13 00-0043)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0048 | CY | Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab | 295.63 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *46.17* | |
| | | *For >20 To 50, Add* | *17.31* | |
| | | *For >100 To 200, Deduct* | *-5.91* | |
| | | *For >200 To 400, Deduct* | *-11.83* | |
| | | *For >400, Deduct* | *-17.74* | |
| 03 31 13 00-0049 | CY | >6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab | 267.78 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *35.03* | |
| | | *For >20 To 50, Add* | *13.14* | |
| | | *For >100 To 200, Deduct* | *-5.36* | |
| | | *For >200 To 400, Deduct* | *-10.71* | |
| | | *For >400, Deduct* | *-16.07* | |
| 03 31 13 00-0050 | CY | Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab<br>Note: Excludes pumping equipment. | 244.94 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *19.89* | |
| | | *For >20 To 50, Add* | *7.46* | |
| | | *For >100 To 200, Deduct* | *-4.90* | |
| | | *For >200 To 400, Deduct* | *-9.80* | |
| | | *For >400, Deduct* | *-14.70* | |
| 03 31 13 00-0051 | CY | >6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab<br>Note: Excludes pumping equipment. | 232.95 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *15.09* | |
| | | *For >20 To 50, Add* | *5.66* | |
| | | *For >100 To 200, Deduct* | *-4.66* | |
| | | *For >200 To 400, Deduct* | *-9.32* | |
| | | *For >400, Deduct* | *-13.98* | |

03 31 13 00-0052 Place Concrete Columns *(03 31 13 00-0043)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0053 | CY | 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns | 445.00 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *105.92* | |
| | | *For >20 To 50, Add* | *39.72* | |
| | | *For >100 To 200, Deduct* | *-8.90* | |
| | | *For >200 To 400, Deduct* | *-17.80* | |
| | | *For >400, Deduct* | *-26.70* | |
| 03 31 13 00-0054 | CY | 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns | 372.67 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *76.98* | |
| | | *For >20 To 50, Add* | *28.87* | |
| | | *For >100 To 200, Deduct* | *-7.45* | |
| | | *For >200 To 400, Deduct* | *-14.91* | |
| | | *For >400, Deduct* | *-22.36* | |
| 03 31 13 00-0055 | CY | 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns | 320.94 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *56.29* | |
| | | *For >20 To 50, Add* | *21.11* | |
| | | *For >100 To 200, Deduct* | *-6.42* | |
| | | *For >200 To 400, Deduct* | *-12.84* | |
| | | *For >400, Deduct* | *-19.26* | |
| 03 31 13 00-0056 | CY | 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns | 297.89 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *47.07* | |
| | | *For >20 To 50, Add* | *17.65* | |
| | | *For >100 To 200, Deduct* | *-5.96* | |
| | | *For >200 To 400, Deduct* | *-11.92* | |
| | | *For >400, Deduct* | *-17.87* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0057 | CY | 12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns | 309.28 | |
| | | Note: Excludes pumping equipment. | | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *45.62* | |
| | | *For >20 To 50, Add* | *17.11* | |
| | | *For >100 To 200, Deduct* | *-6.19* | |
| | | *For >200 To 400, Deduct* | *-12.37* | |
| | | *For >400, Deduct* | *-18.56* | |
| 03 31 13 00-0058 | CY | 18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns | 278.13 | |
| | | Note: Excludes pumping equipment. | | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *33.16* | |
| | | *For >20 To 50, Add* | *12.44* | |
| | | *For >100 To 200, Deduct* | *-5.56* | |
| | | *For >200 To 400, Deduct* | *-11.13* | |
| | | *For >400, Deduct* | *-16.69* | |
| 03 31 13 00-0059 | CY | 24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns | 255.83 | |
| | | Note: Excludes pumping equipment. | | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *24.24* | |
| | | *For >20 To 50, Add* | *9.09* | |
| | | *For >100 To 200, Deduct* | *-5.12* | |
| | | *For >200 To 400, Deduct* | *-10.23* | |
| | | *For >400, Deduct* | *-15.35* | |
| 03 31 13 00-0060 | CY | 36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns | 245.91 | |
| | | Note: Excludes pumping equipment. | | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *20.28* | |
| | | *For >20 To 50, Add* | *7.60* | |
| | | *For >100 To 200, Deduct* | *-4.92* | |
| | | *For >200 To 400, Deduct* | *-9.84* | |
| | | *For >400, Deduct* | *-14.75* | |

03 31 13 00-0061 Place Concrete Walls *(03 31 13 00-0043)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0062 | CY | Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls | 428.45 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *99.30* | |
| | | *For >20 To 50, Add* | *37.24* | |
| | | *For >100 To 200, Deduct* | *-8.57* | |
| | | *For >200 To 400, Deduct* | *-17.14* | |
| | | *For >400, Deduct* | *-25.71* | |
| 03 31 13 00-0063 | CY | 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls | 407.87 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *91.06* | |
| | | *For >20 To 50, Add* | *34.15* | |
| | | *For >100 To 200, Deduct* | *-8.16* | |
| | | *For >200 To 400, Deduct* | *-16.31* | |
| | | *For >400, Deduct* | *-24.47* | |
| 03 31 13 00-0064 | CY | 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls | 353.98 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *69.51* | |
| | | *For >20 To 50, Add* | *26.07* | |
| | | *For >100 To 200, Deduct* | *-7.08* | |
| | | *For >200 To 400, Deduct* | *-14.16* | |
| | | *For >400, Deduct* | *-21.24* | |
| 03 31 13 00-0065 | CY | Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls | 292.49 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *44.91* | |
| | | *For >20 To 50, Add* | *16.84* | |
| | | *For >100 To 200, Deduct* | *-5.85* | |
| | | *For >200 To 400, Deduct* | *-11.70* | |
| | | *For >400, Deduct* | *-17.55* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0066 | CY | 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls | 270.03 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *35.93* | |
| | | *For >20 To 50, Add* | *13.47* | |
| | | *For >100 To 200, Deduct* | *-5.40* | |
| | | *For >200 To 400, Deduct* | *-10.80* | |
| | | *For >400, Deduct* | *-16.20* | |
| 03 31 13 00-0067 | CY | 15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls | 258.80 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *31.44* | |
| | | *For >20 To 50, Add* | *11.79* | |
| | | *For >100 To 200, Deduct* | *-5.18* | |
| | | *For >200 To 400, Deduct* | *-10.35* | |
| | | *For >400, Deduct* | *-15.53* | |
| 03 31 13 00-0068 | CY | Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls<br>Note: Excludes pumping equipment. | 302.15 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *42.77* | |
| | | *For >20 To 50, Add* | *16.04* | |
| | | *For >100 To 200, Deduct* | *-6.04* | |
| | | *For >200 To 400, Deduct* | *-12.09* | |
| | | *For >400, Deduct* | *-18.13* | |
| 03 31 13 00-0069 | CY | 12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls<br>Note: Excludes pumping equipment. | 280.75 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *34.21* | |
| | | *For >20 To 50, Add* | *12.83* | |
| | | *For >100 To 200, Deduct* | *-5.62* | |
| | | *For >200 To 400, Deduct* | *-11.23* | |
| | | *For >400, Deduct* | *-16.85* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0070 | CY | 15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls<br>Note: Excludes pumping equipment. | 270.07 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *29.94* | |
| | | *For >20 To 50, Add* | *11.23* | |
| | | *For >100 To 200, Deduct* | *-5.40* | |
| | | *For >200 To 400, Deduct* | *-10.80* | |
| | | *For >400, Deduct* | *-16.20* | |
| 03 31 13 00-0071 | | Place Elevated Concrete Stairs *(03 31 13 00-0043)* | | |
| 03 31 13 00-0072 | CY | Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs | 682.06 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *200.74* | |
| | | *For >20 To 50, Add* | *75.28* | |
| | | *For >100 To 200, Deduct* | *-13.64* | |
| | | *For >200 To 400, Deduct* | *-27.28* | |
| | | *For >400, Deduct* | *-40.92* | |
| 03 31 13 00-0073 | CY | Direct Chute, Place 3,000 PSI Elevated Concrete Stairs | 407.19 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *90.79* | |
| | | *For >20 To 50, Add* | *34.05* | |
| | | *For >100 To 200, Deduct* | *-8.14* | |
| | | *For >200 To 400, Deduct* | *-16.29* | |
| | | *For >400, Deduct* | *-24.43* | |
| 03 31 13 00-0074 | CY | Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs<br>Note: Excludes pumping equipment. | 384.37 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *75.66* | |
| | | *For >20 To 50, Add* | *28.37* | |
| | | *For >100 To 200, Deduct* | *-7.69* | |
| | | *For >200 To 400, Deduct* | *-15.37* | |
| | | *For >400, Deduct* | *-23.06* | |
| 03 31 13 00-0075 | | Place Concrete Coping *(03 31 13 00-0043)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0076 | CY | Crane And Bucket, Place 3,000 PSI Concrete Coping | 699.40 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *207.68* | |
| | | *For >20 To 50, Add* | *77.88* | |
| | | *For >100 To 200, Deduct* | *-13.99* | |
| | | *For >200 To 400, Deduct* | *-27.98* | |
| | | *For >400, Deduct* | *-41.96* | |
| 03 31 13 00-0077 | CY | Direct Chute, Place 3,000 PSI Concrete Coping | 405.66 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-9.73* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.87* | |
| | | *For 3,500 PSI Concrete, Add* | *9.01* | |
| | | *For 3,750 PSI Concrete, Add* | *12.25* | |
| | | *For 4,000 PSI Concrete, Add* | *15.50* | |
| | | *For 4,500 PSI Concrete, Add* | *18.02* | |
| | | *For 5,000 PSI Concrete, Add* | *20.54* | |
| | | *For 6,000 PSI Concrete, Add* | *48.66* | |
| | | *For White Cement Concrete, Add* | *21.63* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *23.43* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *18.02* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *63.07* | |
| | | *For Up To 20, Add* | *90.18* | |
| | | *For >20 To 50, Add* | *33.82* | |
| | | *For >100 To 200, Deduct* | *-8.11* | |
| | | *For >200 To 400, Deduct* | *-16.23* | |
| | | *For >400, Deduct* | *-24.34* | |
| 03 31 13 00-0078 | CY | Concrete Pump, Place 3,000 PSI Concrete Coping<br>Note: Excludes pumping equipment. | 536.70 | |
| | | *For 2,000 PSI Concrete, Deduct* | *-10.54* | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Add* | *9.76* | |
| | | *For 3,750 PSI Concrete, Add* | *13.27* | |
| | | *For 4,000 PSI Concrete, Add* | *16.79* | |
| | | *For 4,500 PSI Concrete, Add* | *19.52* | |
| | | *For 5,000 PSI Concrete, Add* | *22.26* | |
| | | *For 6,000 PSI Concrete, Add* | *52.71* | |
| | | *For White Cement Concrete, Add* | *23.43* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *25.38* | |
| | | *For High Early Strength, Type 3 ASTM C150, Add* | *19.52* | |
| | | *For Lightweight Aggregate, ASTM C330, Add* | *68.33* | |
| | | *For Up To 20, Add* | *136.59* | |
| | | *For >20 To 50, Add* | *51.22* | |
| | | *For >100 To 200, Deduct* | *-10.73* | |
| | | *For >200 To 400, Deduct* | *-21.47* | |
| | | *For >400, Deduct* | *-32.20* | |

## 03 31 13 00-0079 Concrete Carts *(03 31 13 00-0010)*

Note: Used to place concrete were necessary.

| | | | |
|---|---|---|---|
| 03 31 13 00-0080 | CY | 50' Haul, Non-Motorized, Concrete Buggy | 27.89 |
| 03 31 13 00-0081 | CY | 150' Haul, Non-Motorized, Concrete Buggy | 37.34 |
| 03 31 13 00-0082 | CY | 250' Haul, Non-Motorized, Concrete Buggy | 49.81 |
| 03 31 13 00-0083 | CY | 50' Haul, Motorized, Concrete Buggy | 12.60 |
| 03 31 13 00-0084 | CY | 150' Haul, Motorized, Concrete Buggy | 16.89 |
| 03 31 13 00-0085 | CY | 250' Haul, Motorized, Concrete Buggy | 22.53 |

## 03 31 13 00-0086 Delivery Fee For Small Concrete Purchases (Short Load) *(03 31 13)*

| | | | |
|---|---|---|---|
| 03 31 13 00-0087 | CY | Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY<br>Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7. | 27.00 |

## 03 31 13 00-0088 Equipment Pads *(03 31 13)*

## 03 31 13 00-0089 Small Concrete Equipment Housekeeping Pad Assemblies *(03 31 13 00-0088)*

Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.

| | | | |
|---|---|---|---|
| 03 31 13 00-0090 | SF | 4" Equipment Pad With Welded Wire Reinforcement Assembly | 19.31 |
| | | *For >5 To 20 Pads, Deduct* | *-2.39* |
| | | *For >20 To 50 Pads, Deduct* | *-4.38* |
| | | *For >50 Pads, Deduct* | *-6.37* |
| 03 31 13 00-0091 | SF | 4" Equipment Pad With Rebar Assembly | 25.12 |
| | | *For >5 To 20 Pads, Deduct* | *-2.76* |
| | | *For >20 To 50 Pads, Deduct* | *-5.05* |
| | | *For >50 Pads, Deduct* | *-7.35* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 31 13 00-0092 | SF | 6" Equipment Pad With Rebar Assembly | 31.35 | |
| | | *For >5 To 20 Pads, Deduct* | *-3.47* | |
| | | *For >20 To 50 Pads, Deduct* | *-6.35* | |
| | | *For >50 Pads, Deduct* | *-9.24* | |
| 03 31 13 00-0093 | SF | 8" Equipment Pad With Rebar Assembly | 39.12 | |
| | | *For >5 To 20 Pads, Deduct* | *-4.40* | |
| | | *For >20 To 50 Pads, Deduct* | *-8.07* | |
| | | *For >50 Pads, Deduct* | *-11.74* | |

### 03 31 16 Lightweight Structural Concrete *(03 31)*

#### 03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill *(03 31 16)*

| | | | | |
|---|---|---|---|---|
| 03 31 16 00-0002 | CY | Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range | 315.85 | |
| | | *For >30 To 50 PCF Density Range, Deduct* | *-35.60* | |
| | | *For >50 To 80 PCF Density Range, Deduct* | *-24.69* | |
| | | *For >80 To 100 PCF Density Range, Deduct* | *-11.78* | |

## 03 35 Concrete Finishing *(03 30)*

### 03 35 13 High-Tolerance Concrete Floor Finishing *(03 35)*

#### 03 35 13 00-0001 Floor Finishes *(03 35 13)*

Note: Task is for final finish type and includes all required prior finishes.

| | | | | |
|---|---|---|---|---|
| 03 35 13 00-0002 | SF | Screed, Concrete Floor Finish | 1.05 | |
| | | *For Up To 100, Add* | *2.10* | |
| | | *For >100 To 250, Add* | *0.53* | |
| | | *For >250 To 500, Add* | *0.26* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.05* | |
| | | *For >10,000, Deduct* | *-0.11* | |
| 03 35 13 00-0003 | SF | Darby, Concrete Floor Finish | 1.25 | |
| | | *For Up To 100, Add* | *2.50* | |
| | | *For >100 To 250, Add* | *0.63* | |
| | | *For >250 To 500, Add* | *0.31* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000, Deduct* | *-0.13* | |
| 03 35 13 00-0004 | SF | Broom, Concrete Floor Finish | 1.38 | |
| | | *For Up To 100, Add* | *2.76* | |
| | | *For >100 To 250, Add* | *0.69* | |
| | | *For >250 To 500, Add* | *0.35* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000, Deduct* | *-0.14* | |
| 03 35 13 00-0005 | SF | Final Float, Concrete Floor Finish | 1.61 | |
| | | *For Up To 100, Add* | *3.22* | |
| | | *For >100 To 250, Add* | *0.81* | |
| | | *For >250 To 500, Add* | *0.40* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000, Deduct* | *-0.16* | |
| 03 35 13 00-0006 | SF | Steel Trowel, Concrete Floor Finish | 1.81 | |
| | | *For Up To 100, Add* | *3.62* | |
| | | *For >100 To 250, Add* | *0.91* | |
| | | *For >250 To 500, Add* | *0.45* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000, Deduct* | *-0.18* | |
| 03 35 13 00-0007 | SF | Concrete Floor Finishes, Machine | 1.61 | |
| | | *For Up To 100, Add* | *3.22* | |
| | | *For >100 To 250, Add* | *0.81* | |
| | | *For >250 To 500, Add* | *0.40* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000, Deduct* | *-0.16* | |

### 03 35 16 Heavy-Duty Concrete Floor Finishing *(03 35)*

#### 03 35 16 00-0001 Shake On Floor Hardeners *(03 35 16)*

| | | | |
|---|---|---|---|
| 03 35 16 00-0002 | SF | 0.3 Lb./SF, Metallic, Shake On Floor Hardener | 1.30 |
| 03 35 16 00-0003 | SF | 0.65 Lb./SF, Metallic, Shake On Floor Hardener | 2.01 |
| 03 35 16 00-0004 | SF | 0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener | 1.23 |
| 03 35 16 00-0005 | SF | 0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener | 1.49 |

### 03 35 19 Colored Concrete Finishing *(03 35)*

#### 03 35 19 00-0001 Concrete Surface Treatments *(03 35 19)*

| | | | |
|---|---|---|---|
| 03 35 19 00-0002 | SF | Acrylic Latex Bonding Agent | 0.61 |
| 03 35 19 00-0003 | SF | Epoxy Resin Bonding Agent | 3.49 |
| 03 35 19 00-0004 | SF | Clear Acrylic Sealer, Hardener And Dustproofer | 0.42 |
| 03 35 19 00-0005 | SF | Colored Acrylic Sealer, Hardener And Dustproofer | 0.44 |

### 03 35 23 Exposed Aggregate Concrete Finishing *(03 35)*

#### 03 35 23 00-0001 Exposed Aggregate, Concrete Finish *(03 35 23)*

| | | | |
|---|---|---|---|
| 03 35 23 00-0002 | SF | Exposed Aggregate, Concrete Floor Finish | 3.94 |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 03 35 26 Grooved Concrete Surface Finishing *(03 35)*

### 03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing *(03 35 26)*

| | | | |
|---|---|---|---|
| 03 35 26 00-0002 | SF | Ramp, Grooved Concrete Surface Finishing | 4.67 |

## 03 35 29 Tooled Concrete Finishing *(03 35)*

### 03 35 29 00-0001 Solid Board Concrete Finish *(03 35 29)*

| | | | |
|---|---|---|---|
| 03 35 29 00-0002 | SF | Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork | 16.43 |

### 03 35 29 00-0003 Marblecrete Finishes *(03 35 29)*

| | | | |
|---|---|---|---|
| 03 35 29 00-0004 | SF | 2" Thick Marblecrete And Finish | 43.41 |
| 03 35 29 00-0005 | SF | 4" Thick Marblecrete And Finish | 58.19 |

## 03 35 33 Stamped Concrete Finishing *(03 35)*

### 03 35 33 00-0001 Stamped Concrete Finishes *(03 35 33)*

| | | | |
|---|---|---|---|
| 03 35 33 00-0002 | SF | Up To 2,500 SF Stamped Concrete Finish | 4.21 |
| 03 35 33 00-0003 | SF | >2,500 To 10,000 SF Stamped Concrete Finish | 3.82 |
| 03 35 33 00-0004 | SF | >10,000 SF Stamped Concrete Finish | 3.65 |

## 03 35 43 Polished Concrete Finishing *(03 35)*

### 03 35 43 00-0001 Concrete Floor Polishing System *(03 35 43)*

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

| | | | |
|---|---|---|---|
| 03 35 43 00-0002 | SF | Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels | 1.98 |
| | | *For Up To 500, Add* | *3.76* |
| | | *For >500 To 1,000, Add* | *3.49* |
| | | *For >1,000 To 2,500, Add* | *2.31* |
| | | *For >2,500 To 4,000, Add* | *1.20* |
| | | *For >8,000 To 15,000, Deduct* | *-0.47* |
| | | *For >15,000 To 25,000, Deduct* | *-0.59* |
| | | *For >25,000, Deduct* | *-0.83* |
| 03 35 43 00-0003 | SF | Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels | 1.59 |
| | | *For Up To 500, Add* | *3.01* |
| | | *For >500 To 1,000, Add* | *2.79* |
| | | *For >1,000 To 2,500, Add* | *1.84* |
| | | *For >2,500 To 4,000, Add* | *0.96* |
| | | *For >8,000 To 15,000, Deduct* | *-0.37* |
| | | *For >15,000 To 25,000, Deduct* | *-0.47* |
| | | *For >25,000, Deduct* | *-0.67* |
| 03 35 43 00-0004 | SF | Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels | 1.33 |
| | | *For Up To 500, Add* | *2.50* |
| | | *For >500 To 1,000, Add* | *2.32* |
| | | *For >1,000 To 2,500, Add* | *1.54* |
| | | *For >2,500 To 4,000, Add* | *0.80* |
| | | *For >8,000 To 15,000, Deduct* | *-0.31* |
| | | *For >15,000 To 25,000, Deduct* | *-0.39* |
| | | *For >25,000, Deduct* | *-0.55* |
| 03 35 43 00-0005 | SF | Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels | 1.24 |
| | | *For Up To 500, Add* | *2.33* |
| | | *For >500 To 1,000, Add* | *2.16* |
| | | *For >1,000 To 2,500, Add* | *1.43* |
| | | *For >2,500 To 4,000, Add* | *0.74* |
| | | *For >8,000 To 15,000, Deduct* | *-0.29* |
| | | *For >15,000 To 25,000, Deduct* | *-0.37* |
| | | *For >25,000, Deduct* | *-0.52* |
| 03 35 43 00-0006 | SF | Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels | 1.14 |
| | | *For Up To 500, Add* | *2.13* |
| | | *For >500 To 1,000, Add* | *1.98* |
| | | *For >1,000 To 2,500, Add* | *1.31* |
| | | *For >2,500 To 4,000, Add* | *0.68* |
| | | *For >8,000 To 15,000, Deduct* | *-0.26* |
| | | *For >15,000 To 25,000, Deduct* | *-0.34* |
| | | *For >25,000, Deduct* | *-0.47* |
| 03 35 43 00-0007 | SF | Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels | 1.14 |
| | | *For Up To 500, Add* | *2.13* |
| | | *For >500 To 1,000, Add* | *1.98* |
| | | *For >1,000 To 2,500, Add* | *1.31* |
| | | *For >2,500 To 4,000, Add* | *0.68* |
| | | *For >8,000 To 15,000, Deduct* | *-0.26* |
| | | *For >15,000 To 25,000, Deduct* | *-0.34* |
| | | *For >25,000, Deduct* | *-0.47* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 35 43 00-0008 | SF | Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels | 1.14 | |
| | | *For Up To 500, Add* | *2.13* | |
| | | *For >500 To 1,000, Add* | *1.98* | |
| | | *For >1,000 To 2,500, Add* | *1.31* | |
| | | *For >2,500 To 4,000, Add* | *0.68* | |
| | | *For >8,000 To 15,000, Deduct* | *-0.26* | |
| | | *For >15,000 To 25,000, Deduct* | *-0.34* | |
| | | *For >25,000, Deduct* | *-0.47* | |
| 03 35 43 00-0009 | SF | Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels | 1.14 | |
| | | *For Up To 500, Add* | *2.13* | |
| | | *For >500 To 1,000, Add* | *1.98* | |
| | | *For >1,000 To 2,500, Add* | *1.31* | |
| | | *For >2,500 To 4,000, Add* | *0.68* | |
| | | *For >8,000 To 15,000, Deduct* | *-0.26* | |
| | | *For >15,000 To 25,000, Deduct* | *-0.34* | |
| | | *For >25,000, Deduct* | *-0.47* | |
| 03 35 43 00-0010 | SF | High Speed Burnish Concrete Floor With Diamond Pads | 0.28 | |
| | | *For Up To 500, Add* | *0.47* | |
| | | *For >500 To 1,000, Add* | *0.43* | |
| | | *For >1,000 To 2,500, Add* | *0.29* | |
| | | *For >2,500 To 4,000, Add* | *0.15* | |
| | | *For >8,000 To 15,000, Deduct* | *-0.06* | |
| | | *For >15,000 To 25,000, Deduct* | *-0.07* | |
| | | *For >25,000, Deduct* | *-0.10* | |
| 03 35 43 00-0011 | SF | Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing | 0.60 | |
| | | *For Up To 500, Add* | *0.58* | |
| | | *For >500 To 1,000, Add* | *0.54* | |
| | | *For >1,000 To 2,500, Add* | *0.36* | |
| | | *For >2,500 To 4,000, Add* | *0.19* | |
| | | *For >8,000 To 15,000, Deduct* | *-0.07* | |
| | | *For >15,000 To 25,000, Deduct* | *-0.09* | |
| | | *For >25,000, Deduct* | *-0.13* | |
| 03 35 43 00-0012 | SF | Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing | 1.05 | |
| | | *For Up To 500, Add* | *0.85* | |
| | | *For >500 To 1,000, Add* | *0.79* | |
| | | *For >1,000 To 2,500, Add* | *0.52* | |
| | | *For >2,500 To 4,000, Add* | *0.27* | |
| | | *For >8,000 To 15,000, Deduct* | *-0.11* | |
| | | *For >15,000 To 25,000, Deduct* | *-0.13* | |
| | | *For >25,000, Deduct* | *-0.19* | |
| 03 35 43 00-0013 | SF | Concrete Floor Polishing Final Clean Up | 0.15 | |
| | | *For Up To 500, Add* | *0.29* | |
| | | *For >500 To 1,000, Add* | *0.27* | |
| | | *For >1,000 To 2,500, Add* | *0.18* | |
| | | *For >2,500 To 4,000, Add* | *0.09* | |
| | | *For >8,000 To 15,000, Deduct* | *-0.04* | |
| | | *For >15,000 To 25,000, Deduct* | *-0.05* | |
| | | *For >25,000, Deduct* | *-0.06* | |

## 03 35 63 Slip-Resistant Floor Finishing *(03 35)*

### 03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

| | | | | |
|---|---|---|---|---|
| 03 35 63 00-0002 | SF | Aluminum Oxide Abrasive Floor Finish, 0.25 Lb./SF | 1.67 | |
| | | *For Up To 100, Add* | *2.00* | |
| | | *For >100 To 250, Add* | *0.50* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.05* | |
| | | *For >10,000, Deduct* | *-0.10* | |
| 03 35 63 00-0003 | SF | Silicone Carbide Abrasive Floor Finish 0.25 Lb./SF | 1.49 | |
| | | *For Up To 100, Add* | *2.00* | |
| | | *For >100 To 250, Add* | *0.50* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.05* | |
| | | *For >10,000, Deduct* | *-0.10* | |

## 03 35 66 Acid Etch Floor Finishing *(03 35)*

### 03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

| | | | | |
|---|---|---|---|---|
| 03 35 66 00-0002 | SF | Concrete Floor Finishes, Etch With Acid And Rinse | 1.05 | |
| | | *For Up To 100, Add* | *0.96* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000, Deduct* | *-0.05* | |

## 03 35 83 Concrete Wall Finishing *(03 35)*

### 03 35 83 00-0001 Wall Finishes *(03 35 83)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 35 83 00-0002 | SF | Burlap Rub With Grout, New Concrete Wall Finishes | 1.85 | |
| | | *For Up To 100, Add* | *3.50* | |
| | | *For >100 To 250, Add* | *0.88* | |
| | | *For >250 To 500, Add* | *0.44* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000, Deduct* | *-0.18* | |
| 03 35 83 00-0003 | SF | 1/16" Float Finish, New Concrete Wall Finishes | 2.78 | |
| | | *For Up To 100, Add* | *5.24* | |
| | | *For >100 To 250, Add* | *1.31* | |
| | | *For >250 To 500, Add* | *0.66* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000, Deduct* | *-0.26* | |
| 03 35 83 00-0004 | SF | Etch With Acid And Rinse, New Concrete Wall Finishes | 1.15 | |
| | | *For Up To 100, Add* | *1.16* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.03* | |
| | | *For >10,000, Deduct* | *-0.06* | |
| 03 35 83 00-0005 | SF | Bush Hammer Green Concrete, New Concrete Wall Finishes | 5.60 | |
| | | *For Up To 100, Add* | *11.10* | |
| | | *For >100 To 250, Add* | *2.78* | |
| | | *For >250 To 500, Add* | *1.39* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.28* | |
| | | *For >10,000, Deduct* | *-0.56* | |
| 03 35 83 00-0006 | SF | Bush Hammer Cured Concrete, New Concrete Wall Finishes | 8.68 | |
| | | *For Up To 100, Add* | *17.16* | |
| | | *For >100 To 250, Add* | *4.29* | |
| | | *For >250 To 500, Add* | *2.15* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.43* | |
| | | *For >10,000, Deduct* | *-0.86* | |
| 03 35 83 00-0007 | SF | Break Ties And Patch, New Concrete Wall Finishes | 1.07 | |
| | | *For Up To 100, Add* | *1.88* | |
| | | *For >100 To 250, Add* | *0.47* | |
| | | *For >250 To 500, Add* | *0.24* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.05* | |
| | | *For >10,000, Deduct* | *-0.09* | |
| 03 35 83 00-0008 | SF | Carborundum Dry Rub, New Concrete Wall Finishes | 3.62 | |
| | | *For Up To 100, Add* | *6.98* | |
| | | *For >100 To 250, Add* | *1.75* | |
| | | *For >250 To 500, Add* | *0.87* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000, Deduct* | *-0.35* | |
| 03 35 83 00-0009 | SF | Carborundum Wet Rub, New Concrete Wall Finishes | 5.53 | |
| | | *For Up To 100, Add* | *10.80* | |
| | | *For >100 To 250, Add* | *2.70* | |
| | | *For >250 To 500, Add* | *1.35* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.27* | |
| | | *For >10,000, Deduct* | *-0.54* | |
| 03 35 83 00-0010 | SF | Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes<br>Note: 4.5 Lb. of sand or abrasive media material per SF | 5.79 | |
| | | *For Up To 100, Add* | *9.28* | |
| | | *For >100 To 250, Add* | *2.32* | |
| | | *For >250 To 500, Add* | *1.16* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.23* | |
| | | *For >10,000, Deduct* | *-0.46* | |
| 03 35 83 00-0011 | SF | >1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes<br>Note: 9 Lb. of sand abrasive media material per SF | 11.59 | |
| | | *For Up To 100, Add* | *18.60* | |
| | | *For >100 To 250, Add* | *4.65* | |
| | | *For >250 To 500, Add* | *2.33* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.47* | |
| | | *For >10,000, Deduct* | *-0.93* | |

## 03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

### 03 37 13 Shotcrete *(03 37)*

#### 03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair *(03 37 13)*

| | | | | |
|---|---|---|---|---|
| 03 37 13 00-0002 | SF | 1" Thick Shotcrete, Fiber Reinforced | 3.68 | |
| | | *For Up To 25, Add* | *0.70* | |
| | | *For >25 To 50, Add* | *0.41* | |
| | | *For >50 To 150, Add* | *0.17* | |
| 03 37 13 00-0003 | SF | 2" Thick Shotcrete, Fiber Reinforced | 6.93 | |
| | | *For Up To 25, Add* | *1.30* | |
| | | *For >25 To 50, Add* | *0.75* | |
| | | *For >50 To 150, Add* | *0.30* | |
| 03 37 13 00-0004 | SF | 3" Thick Shotcrete, Fiber Reinforced | 9.79 | |
| | | *For Up To 25, Add* | *1.79* | |
| | | *For >25 To 50, Add* | *1.03* | |
| | | *For >50 To 150, Add* | *0.41* | |
| 03 37 13 00-0005 | SF | 4" Thick Shotcrete, Fiber Reinforced | 12.32 | |
| | | *For Up To 25, Add* | *2.21* | |
| | | *For >25 To 50, Add* | *1.27* | |
| | | *For >50 To 150, Add* | *0.49* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 37 13 00-0006 | SF | 6" Thick Shotcrete, Fiber Reinforced | 16.63 | |
| | | *For Up To 25, Add* | *2.85* | |
| | | *For >25 To 50, Add* | *1.62* | |
| | | *For >50 To 150, Add* | *0.59* | |

### 03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

| | | | | |
|---|---|---|---|---|
| 03 37 13 00-0008 | SF | 1" Thick Gunite (Dry Mix Shotcrete), Sprayed | 4.07 | |
| | | *For Radius Or Irregular Surface, Add* | *1.23* | |
| | | *For Up To 25, Add* | *0.87* | |
| | | *For >25 To 50, Add* | *0.51* | |
| | | *For >50 To 150, Add* | *0.23* | |
| 03 37 13 00-0009 | SF | 2" Thick Gunite (Dry Mix Shotcrete), Sprayed | 7.51 | |
| | | *For Radius Or Irregular Surface, Add* | *2.21* | |
| | | *For Up To 25, Add* | *1.58* | |
| | | *For >25 To 50, Add* | *0.93* | |
| | | *For >50 To 150, Add* | *0.41* | |
| 03 37 13 00-0010 | SF | 3" Thick Gunite (Dry Mix Shotcrete), Sprayed | 10.44 | |
| | | *For Radius Or Irregular Surface, Add* | *2.99* | |
| | | *For Up To 25, Add* | *2.16* | |
| | | *For >25 To 50, Add* | *1.27* | |
| | | *For >50 To 150, Add* | *0.56* | |
| 03 37 13 00-0011 | SF | 4" Thick Gunite (Dry Mix Shotcrete), Sprayed | 12.91 | |
| | | *For Radius Or Irregular Surface, Add* | *3.58* | |
| | | *For Up To 25, Add* | *2.64* | |
| | | *For >25 To 50, Add* | *1.54* | |
| | | *For >50 To 150, Add* | *0.67* | |
| 03 37 13 00-0012 | SF | 5" Thick Gunite (Dry Mix Shotcrete), Sprayed | 15.02 | |
| | | *For Radius Or Irregular Surface, Add* | *4.03* | |
| | | *For Up To 25, Add* | *3.01* | |
| | | *For >25 To 50, Add* | *1.76* | |
| | | *For >50 To 150, Add* | *0.76* | |
| 03 37 13 00-0013 | SF | 6" Thick Gunite (Dry Mix Shotcrete), Sprayed | 16.81 | |
| | | *For Radius Or Irregular Surface, Add* | *4.35* | |
| | | *For Up To 25, Add* | *3.31* | |
| | | *For >25 To 50, Add* | *1.93* | |
| | | *For >50 To 150, Add* | *0.82* | |
| 03 37 13 00-0014 | SF | 8" Thick Gunite (Dry Mix Shotcrete), Sprayed | 20.97 | |
| | | *For Radius Or Irregular Surface, Add* | *5.22* | |
| | | *For Up To 25, Add* | *4.06* | |
| | | *For >25 To 50, Add* | *2.35* | |
| | | *For >50 To 150, Add* | *0.98* | |
| 03 37 13 00-0015 | SF | 10" Thick Gunite (Dry Mix Shotcrete), Sprayed | 24.58 | |
| | | *For Radius Or Irregular Surface, Add* | *5.88* | |
| | | *For Up To 25, Add* | *4.66* | |
| | | *For >25 To 50, Add* | *2.70* | |
| | | *For >50 To 150, Add* | *1.10* | |
| 03 37 13 00-0016 | SF | 12" Thick Gunite (Dry Mix Shotcrete), Sprayed | 27.72 | |
| | | *For Radius Or Irregular Surface, Add* | *6.34* | |
| | | *For Up To 25, Add* | *5.15* | |
| | | *For >25 To 50, Add* | *2.97* | |
| | | *For >50 To 150, Add* | *1.19* | |

## 03 37 16 Pumped Concrete *(03 37)*

### 03 37 16 00-0001 Concrete Pumping With Boom Truck *(03 37 16)*

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

| | | | | |
|---|---|---|---|---|
| 03 37 16 00-0002 | HR | 55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating) | 224.10 | |
| 03 37 16 00-0003 | HR | 70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating) | 240.34 | |
| 03 37 16 00-0004 | HR | 90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating) | 299.00 | |
| 03 37 16 00-0005 | HR | 105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating) | 335.52 | |
| 03 37 16 00-0006 | HR | 120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating) | 373.20 | |
| 03 37 16 00-0007 | HR | 135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating) | 453.01 | |
| 03 37 16 00-0008 | HR | 148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating) | 500.63 | |
| 03 37 16 00-0009 | HR | 170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating) | 615.96 | |
| 03 37 16 00-0010 | HR | 35 CY/HR, 66 HP Trailer Mounted Concrete Pump<br>Note: Includes hoses | 161.85 | |

# 03 39 Concrete Curing *(03 30)*

## 03 39 13 Water Concrete Curing *(03 39)*

### 03 39 13 00-0001 Water Concrete Curing *(03 39 13)*

| | | | | |
|---|---|---|---|---|
| 03 39 13 00-0002 | SF | Water Based Curing, Sealing, Hardening And Dustproofing Compound<br>Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL. | 0.39 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 03 39 23 Membrane Concrete Curing *(03 39)*

#### 03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001 Warm Weather Concrete Curing Blankets *(03 39 23 23)*

| | | | | |
|---|---|---|---|---|
| 03 39 23 23-0002 | CSF | Warm Weather Concrete Curing Blankets | 36.81 | |

03 39 23 23-0003 Cold Weather Concrete Curing Blankets *(03 39 23 23)*

| | | | | |
|---|---|---|---|---|
| 03 39 23 23-0004 | CSF | Electric, Cold Weather Concrete Curing Blanket | 185.19 | |
| 03 39 23 23-0005 | CSF | Non-Electric, Cold Weather Concrete Curing Blanket | 41.00 | |

## 03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

## 03 41 Precast Structural Concrete *(03 40)*

### 03 41 16 Precast Concrete Slabs *(03 41)*

03 41 16 00-0001 Flat Floor Slab/Floor Plank *(03 41 16)*

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane *(03 41 16 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 16 00-0003 | EA | Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane | 370.94 | 296.78 |
| 03 41 16 00-0004 | EA | Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane | 412.37 | 329.83 |
| 03 41 16 00-0005 | EA | Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane | 437.87 | 350.28 |
| 03 41 16 00-0006 | EA | Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane | 464.19 | 371.38 |
| 03 41 16 00-0007 | EA | Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane | 496.77 | 397.40 |
| 03 41 16 00-0008 | EA | Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane | 530.92 | 424.73 |
| 03 41 16 00-0009 | EA | Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane | 570.11 | 456.06 |
| 03 41 16 00-0010 | EA | Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane | 620.05 | 496.01 |
| 03 41 16 00-0011 | EA | Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane | 674.19 | 539.41 |

03 41 16 00-0012 Material Cost *(03 41 16 00-0001)*

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

| | | | |
|---|---|---|---|
| 03 41 16 00-0013 | SF | 4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect | 33.15 |
| | | *For 3,500 PSI Concrete, Add* | *0.66* |
| | | *For 4,000 PSI Concrete, Add* | *0.99* |
| | | *For 4,500 PSI Concrete, Add* | *1.33* |
| | | *For 5,000 PSI Concrete, Add* | *1.99* |
| 03 41 16 00-0014 | SF | 5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect | 39.78 |
| | | *For 3,500 PSI Concrete, Add* | *0.80* |
| | | *For 4,000 PSI Concrete, Add* | *1.19* |
| | | *For 4,500 PSI Concrete, Add* | *1.59* |
| | | *For 5,000 PSI Concrete, Add* | *2.39* |
| 03 41 16 00-0015 | SF | 6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect | 48.62 |
| | | *For 3,500 PSI Concrete, Add* | *0.97* |
| | | *For 4,000 PSI Concrete, Add* | *1.46* |
| | | *For 4,500 PSI Concrete, Add* | *1.94* |
| | | *For 5,000 PSI Concrete, Add* | *2.92* |
| 03 41 16 00-0016 | SF | 8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect | 64.53 |
| | | *For 3,500 PSI Concrete, Add* | *1.29* |
| | | *For 4,000 PSI Concrete, Add* | *1.94* |
| | | *For 4,500 PSI Concrete, Add* | *2.58* |
| | | *For 5,000 PSI Concrete, Add* | *3.87* |

03 41 16 00-0017 Floor Units, Combination Beam And Slab *(03 41 16)*

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane *(03 41 16 00-0017)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 16 00-0019 | EA | Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane | 456.06 | 364.82 |
| 03 41 16 00-0020 | EA | Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane | 497.07 | 397.71 |
| 03 41 16 00-0021 | EA | Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane | 549.40 | 439.47 |
| 03 41 16 00-0022 | EA | Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane | 610.04 | 488.00 |
| 03 41 16 00-0023 | EA | Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane | 685.75 | 548.55 |

03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane *(03 41 16 00-0017)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 16 00-0025 | EA | Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane | 575.32 | 460.29 |
| 03 41 16 00-0026 | EA | Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane | 627.07 | 501.62 |
| 03 41 16 00-0027 | EA | Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane | 693.08 | 554.51 |
| 03 41 16 00-0028 | EA | Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane | 769.59 | 615.69 |
| 03 41 16 00-0029 | EA | Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane | 865.09 | 692.14 |
| 03 41 16 00-0030 | EA | Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane | 940.60 | 752.43 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 41 16 00-0031 | EA | Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane | 1,039.62 | 831.69 |
| 03 41 16 00-0032 | EA | Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane | 1,150.65 | 920.58 |
| 03 41 16 00-0033 | EA | Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane | 1,302.38 | 1,041.91 |

### 03 41 16 00-0034 Material Cost *(03 41 16 00-0017)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.

### 03 41 16 00-0035 4" Slab *(03 41 16 00-0034)*

| | | | |
|---|---|---|---|
| 03 41 16 00-0036 | CY | Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete | 3,491.56 |
| | | *For 3,500 PSI Concrete, Add* | *69.83* |
| | | *For 4,000 PSI Concrete, Add* | *104.75* |
| | | *For 4,500 PSI Concrete, Add* | *139.66* |
| | | *For 5,000 PSI Concrete, Add* | *209.49* |
| 03 41 16 00-0037 | CY | Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete | 3,535.76 |
| | | *For 3,500 PSI Concrete, Add* | *70.72* |
| | | *For 4,000 PSI Concrete, Add* | *106.07* |
| | | *For 4,500 PSI Concrete, Add* | *141.43* |
| | | *For 5,000 PSI Concrete, Add* | *212.15* |
| 03 41 16 00-0038 | CY | Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete | 3,977.73 |
| | | *For 3,500 PSI Concrete, Add* | *79.55* |
| | | *For 4,000 PSI Concrete, Add* | *119.33* |
| | | *For 4,500 PSI Concrete, Add* | *159.11* |
| | | *For 5,000 PSI Concrete, Add* | *238.66* |

### 03 41 16 00-0039 5" Slab *(03 41 16 00-0034)*

| | | | |
|---|---|---|---|
| 03 41 16 00-0040 | CY | Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete | 3,579.95 |
| | | *For 3,500 PSI Concrete, Add* | *71.60* |
| | | *For 4,000 PSI Concrete, Add* | *107.40* |
| | | *For 4,500 PSI Concrete, Add* | *143.20* |
| | | *For 5,000 PSI Concrete, Add* | *214.80* |
| 03 41 16 00-0041 | CY | Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete | 3,712.54 |
| | | *For 3,500 PSI Concrete, Add* | *74.25* |
| | | *For 4,000 PSI Concrete, Add* | *111.38* |
| | | *For 4,500 PSI Concrete, Add* | *148.50* |
| | | *For 5,000 PSI Concrete, Add* | *222.75* |
| 03 41 16 00-0042 | CY | Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete | 4,729.07 |
| | | *For 3,500 PSI Concrete, Add* | *94.58* |
| | | *For 4,000 PSI Concrete, Add* | *141.87* |
| | | *For 4,500 PSI Concrete, Add* | *189.16* |
| | | *For 5,000 PSI Concrete, Add* | *283.74* |

### 03 41 16 00-0043 6" Slab *(03 41 16 00-0034)*

| | | | |
|---|---|---|---|
| 03 41 16 00-0044 | CY | Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete | 3,712.54 |
| | | *For 3,500 PSI Concrete, Add* | *74.25* |
| | | *For 4,000 PSI Concrete, Add* | *111.38* |
| | | *For 4,500 PSI Concrete, Add* | *148.50* |
| | | *For 5,000 PSI Concrete, Add* | *222.75* |
| 03 41 16 00-0045 | CY | Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete | 4,419.69 |
| | | *For 3,500 PSI Concrete, Add* | *88.39* |
| | | *For 4,000 PSI Concrete, Add* | *132.59* |
| | | *For 4,500 PSI Concrete, Add* | *176.79* |
| | | *For 5,000 PSI Concrete, Add* | *265.18* |
| 03 41 16 00-0046 | CY | Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete | 5,392.03 |
| | | *For 3,500 PSI Concrete, Add* | *107.84* |
| | | *For 4,000 PSI Concrete, Add* | *161.76* |
| | | *For 4,500 PSI Concrete, Add* | *215.68* |
| | | *For 5,000 PSI Concrete, Add* | *323.52* |

## 03 41 19 Precast Concrete Wall Panels *(03 41)*

### 03 41 19 00-0001 Structural Wall Panels *(03 41 19)*

Note: Gray, smooth form or board finish one side.

### 03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

| | | | | |
|---|---|---|---|---|
| 03 41 19 00-0003 | EA | Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane | 365.46 | 292.39 |
| 03 41 19 00-0004 | EA | Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane | 406.27 | 324.95 |
| 03 41 19 00-0005 | EA | Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane | 457.33 | 365.89 |
| 03 41 19 00-0006 | EA | Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane | 489.42 | 391.52 |
| 03 41 19 00-0007 | EA | Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane | 523.06 | 418.45 |
| 03 41 19 00-0008 | EA | Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane | 561.68 | 449.31 |
| 03 41 19 00-0009 | EA | Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane | 610.87 | 488.67 |
| 03 41 19 00-0010 | EA | Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane | 664.21 | 531.43 |

### 03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

| | | | | |
|---|---|---|---|---|
| 03 41 19 00-0012 | EA | Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane | 410.25 | 328.16 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 41 19 00-0013 | EA | Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane | 456.06 | 364.82 |
| 03 41 19 00-0014 | EA | Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane | 513.37 | 410.75 |
| 03 41 19 00-0015 | EA | Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane | 549.40 | 439.47 |
| 03 41 19 00-0016 | EA | Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane | 587.17 | 469.74 |
| 03 41 19 00-0017 | EA | Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane | 630.52 | 504.44 |
| 03 41 19 00-0018 | EA | Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane | 685.75 | 548.55 |
| 03 41 19 00-0019 | EA | Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane | 745.62 | 596.44 |
| 03 41 19 00-0020 | EA | Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane | 824.10 | 659.33 |
| 03 41 19 00-0021 | EA | Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane | 912.11 | 729.66 |
| 03 41 19 00-0022 | EA | Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane | 1,032.39 | 825.95 |
| 03 41 19 00-0023 | EA | Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane | 1,174.34 | 939.47 |
| 03 41 19 00-0024 | EA | Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane | 1,361.55 | 1,089.27 |

## 03 41 19 00-0025 Material Cost *(03 41 19 00-0001)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

| | | | |
|---|---|---|---|
| 03 41 19 00-0026 | SF | 4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect | 44.20 |
| | | *For 3,500 PSI Concrete, Add* | *0.88* |
| | | *For 4,000 PSI Concrete, Add* | *1.33* |
| | | *For 4,500 PSI Concrete, Add* | *1.77* |
| | | *For 5,000 PSI Concrete, Add* | *2.65* |
| | | *For White Facing, Add* | *8.84* |
| | | *For Solid White Through Thickness, Add* | *8.84* |
| | | *For Broken Rib Finish, Add* | *4.42* |
| | | *For Fluted Surface, Add* | *4.42* |
| | | *For Exposed Aggregate, Add* | *8.84* |
| | | *For Sandblasting Of Surface, Add* | *4.42* |
| | | *For 2" Polystyrene Insulation, Add* | *2.19* |
| 03 41 19 00-0027 | SF | 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect | 54.36 |
| | | *For 3,500 PSI Concrete, Add* | *1.09* |
| | | *For 4,000 PSI Concrete, Add* | *1.63* |
| | | *For 4,500 PSI Concrete, Add* | *2.17* |
| | | *For 5,000 PSI Concrete, Add* | *3.26* |
| | | *For White Facing, Add* | *10.87* |
| | | *For Solid White Through Thickness, Add* | *10.87* |
| | | *For Broken Rib Finish, Add* | *5.44* |
| | | *For Fluted Surface, Add* | *5.44* |
| | | *For Exposed Aggregate, Add* | *10.87* |
| | | *For Sandblasting Of Surface, Add* | *5.44* |
| | | *For 2" Polystyrene Insulation, Add* | *2.19* |
| 03 41 19 00-0028 | SF | 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect | 65.41 |
| | | *For 3,500 PSI Concrete, Add* | *1.31* |
| | | *For 4,000 PSI Concrete, Add* | *1.96* |
| | | *For 4,500 PSI Concrete, Add* | *2.62* |
| | | *For 5,000 PSI Concrete, Add* | *3.92* |
| | | *For White Facing, Add* | *13.08* |
| | | *For Solid White Through Thickness, Add* | *13.08* |
| | | *For Broken Rib Finish, Add* | *6.54* |
| | | *For Fluted Surface, Add* | *6.54* |
| | | *For Exposed Aggregate, Add* | *13.08* |
| | | *For Sandblasting Of Surface, Add* | *6.54* |
| | | *For 2" Polystyrene Insulation, Add* | *2.19* |
| 03 41 19 00-0029 | SF | 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect | 86.18 |
| | | *For 3,500 PSI Concrete, Add* | *1.72* |
| | | *For 4,000 PSI Concrete, Add* | *2.59* |
| | | *For 4,500 PSI Concrete, Add* | *3.45* |
| | | *For 5,000 PSI Concrete, Add* | *5.17* |
| | | *For White Facing, Add* | *17.24* |
| | | *For Solid White Through Thickness, Add* | *17.24* |
| | | *For Broken Rib Finish, Add* | *8.62* |
| | | *For Fluted Surface, Add* | *8.62* |
| | | *For Exposed Aggregate, Add* | *17.24* |
| | | *For Sandblasting Of Surface, Add* | *8.62* |
| | | *For 2" Polystyrene Insulation, Add* | *2.19* |

## 03 41 19 00-0030 Partition Panels *(03 41 19)*

## 03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 19 00-0032 | EA | Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane | 291.88 | 233.46 |
| 03 41 19 00-0033 | EA | Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane | 324.46 | 259.60 |
| 03 41 19 00-0034 | EA | Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane | 365.24 | 292.18 |
| 03 41 19 00-0035 | EA | Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane | 417.74 | 334.19 |
| 03 41 19 00-0036 | EA | Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane | 448.58 | 358.90 |
| 03 41 19 00-0037 | EA | Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane | 487.87 | 390.29 |
| 03 41 19 00-0038 | EA | Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane | 530.47 | 424.43 |
| 03 41 19 00-0039 | EA | Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane | 586.31 | 469.06 |

## 03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 41 19 00-0041 | EA | Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane | 365.46 | 292.39 |
| 03 41 19 00-0042 | EA | Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane | 406.27 | 324.95 |
| 03 41 19 00-0043 | EA | Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane | 457.33 | 365.89 |
| 03 41 19 00-0044 | EA | Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane | 523.06 | 418.45 |
| 03 41 19 00-0045 | EA | Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane | 561.68 | 449.31 |
| 03 41 19 00-0046 | EA | Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane | 610.87 | 488.67 |
| 03 41 19 00-0047 | EA | Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane | 664.21 | 531.43 |
| 03 41 19 00-0048 | EA | Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane | 734.13 | 587.27 |
| 03 41 19 00-0049 | EA | Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane | 812.53 | 650.04 |
| 03 41 19 00-0050 | EA | Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane | 919.67 | 735.69 |
| 03 41 19 00-0051 | EA | Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane | 1,046.14 | 836.91 |
| 03 41 19 00-0052 | EA | Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane | 1,212.91 | 970.29 |

## 03 41 19 00-0053 Material Cost *(03 41 19 00-0030)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

| | | | |
|---|---|---|---|
| 03 41 19 00-0054 | SF | 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect | 41.99 |
| | | *For 4,000 PSI Concrete, Add* | *1.26* |
| | | *For 4,500 PSI Concrete, Add* | *1.68* |
| | | *For 5,000 PSI Concrete, Add* | *2.52* |
| | | *For White Facing, Add* | *8.40* |
| | | *For Solid White Through Thickness, Add* | *8.40* |
| | | *For Broken Rib Finish, Add* | *4.20* |
| | | *For Fluted Surface, Add* | *4.20* |
| | | *For Exposed Aggregate, Add* | *8.40* |
| | | *For Sandblasting Of Surface, Add* | *4.20* |
| 03 41 19 00-0055 | SF | 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect | 51.71 |
| | | *For 4,000 PSI Concrete, Add* | *1.55* |
| | | *For 4,500 PSI Concrete, Add* | *2.07* |
| | | *For 5,000 PSI Concrete, Add* | *3.10* |
| | | *For White Facing, Add* | *10.34* |
| | | *For Solid White Through Thickness, Add* | *10.34* |
| | | *For Broken Rib Finish, Add* | *5.17* |
| | | *For Fluted Surface, Add* | *5.17* |
| | | *For Exposed Aggregate, Add* | *10.34* |
| | | *For Sandblasting Of Surface, Add* | *5.17* |
| 03 41 19 00-0056 | SF | 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect | 61.88 |
| | | *For 4,000 PSI Concrete, Add* | *1.86* |
| | | *For 4,500 PSI Concrete, Add* | *2.48* |
| | | *For 5,000 PSI Concrete, Add* | *3.71* |
| | | *For White Facing, Add* | *12.38* |
| | | *For Solid White Through Thickness, Add* | *12.38* |
| | | *For Broken Rib Finish, Add* | *6.19* |
| | | *For Fluted Surface, Add* | *6.19* |
| | | *For Exposed Aggregate, Add* | *12.38* |
| | | *For Sandblasting Of Surface, Add* | *6.19* |
| 03 41 19 00-0057 | SF | 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect | 81.76 |
| | | *For 4,000 PSI Concrete, Add* | *2.45* |
| | | *For 4,500 PSI Concrete, Add* | *3.27* |
| | | *For 5,000 PSI Concrete, Add* | *4.91* |
| | | *For White Facing, Add* | *16.35* |
| | | *For Solid White Through Thickness, Add* | *16.35* |
| | | *For Broken Rib Finish, Add* | *8.18* |
| | | *For Fluted Surface, Add* | *8.18* |
| | | *For Exposed Aggregate, Add* | *16.35* |
| | | *For Sandblasting Of Surface, Add* | *8.18* |

## 03 41 19 00-0058 Cladding Panels *(03 41 19)*

## 03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 19 00-0060 | EA | Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane | 385.67 | 308.48 |
| 03 41 19 00-0061 | EA | Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane | 431.39 | 345.10 |
| 03 41 19 00-0062 | EA | Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane | 489.42 | 391.52 |
| 03 41 19 00-0063 | EA | Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane | 523.06 | 418.45 |
| 03 41 19 00-0064 | EA | Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane | 561.68 | 449.31 |
| 03 41 19 00-0065 | EA | Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane | 610.87 | 488.67 |
| 03 41 19 00-0066 | EA | Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane | 664.21 | 531.43 |
| 03 41 19 00-0067 | EA | Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane | 734.13 | 587.27 |

## 03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 19 00-0069 | EA | Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane | 432.94 | 346.30 |
| 03 41 19 00-0070 | EA | Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane | 484.26 | 387.40 |
| 03 41 19 00-0071 | EA | Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane | 549.40 | 439.47 |
| 03 41 19 00-0072 | EA | Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane | 587.17 | 469.74 |
| 03 41 19 00-0073 | EA | Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane | 630.52 | 504.44 |
| 03 41 19 00-0074 | EA | Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane | 685.75 | 548.55 |
| 03 41 19 00-0075 | EA | Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane | 745.62 | 596.44 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 41 19 00-0076 | EA | Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane | 824.10 | 659.33 |
| 03 41 19 00-0077 | EA | Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane | 912.11 | 729.66 |
| 03 41 19 00-0078 | EA | Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane | 1,032.39 | 825.95 |
| 03 41 19 00-0079 | EA | Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane | 1,174.34 | 939.47 |
| 03 41 19 00-0080 | EA | Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane | 1,361.55 | 1,089.27 |

## 03 41 19 00-0081 Material Cost *(03 41 19 00-0058)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

| | | | |
|---|---|---|---|
| 03 41 19 00-0082 | SF | 4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect | 41.99 |
| | | *For 3,500 PSI Concrete, Add* | *0.84* |
| | | *For 4,000 PSI Concrete, Add* | *1.26* |
| | | *For 4,500 PSI Concrete, Add* | *1.68* |
| | | *For 5,000 PSI Concrete, Add* | *2.52* |
| | | *For White Facing, Add* | *8.40* |
| | | *For Solid White Through Thickness, Add* | *8.40* |
| | | *For Broken Rib Finish, Add* | *4.20* |
| | | *For Fluted Surface, Add* | *4.20* |
| | | *For Exposed Aggregate, Add* | *8.40* |
| | | *For Sandblasting Of Surface, Add* | *4.20* |
| 03 41 19 00-0083 | SF | 5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect | 51.71 |
| | | *For 3,500 PSI Concrete, Add* | *1.03* |
| | | *For 4,000 PSI Concrete, Add* | *1.55* |
| | | *For 4,500 PSI Concrete, Add* | *2.07* |
| | | *For 5,000 PSI Concrete, Add* | *3.10* |
| | | *For White Facing, Add* | *10.34* |
| | | *For Solid White Through Thickness, Add* | *10.34* |
| | | *For Broken Rib Finish, Add* | *5.17* |
| | | *For Fluted Surface, Add* | *5.17* |
| | | *For Exposed Aggregate, Add* | *10.34* |
| | | *For Sandblasting Of Surface, Add* | *5.17* |
| 03 41 19 00-0084 | SF | 6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect | 61.88 |
| | | *For 3,500 PSI Concrete, Add* | *1.24* |
| | | *For 4,000 PSI Concrete, Add* | *1.86* |
| | | *For 4,500 PSI Concrete, Add* | *2.48* |
| | | *For 5,000 PSI Concrete, Add* | *3.71* |
| | | *For White Facing, Add* | *12.38* |
| | | *For Solid White Through Thickness, Add* | *12.38* |
| | | *For Broken Rib Finish, Add* | *6.19* |
| | | *For Fluted Surface, Add* | *6.19* |
| | | *For Exposed Aggregate, Add* | *12.38* |
| | | *For Sandblasting Of Surface, Add* | *6.19* |
| 03 41 19 00-0085 | SF | 8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect | 81.76 |
| | | *For 3,500 PSI Concrete, Add* | *1.64* |
| | | *For 4,000 PSI Concrete, Add* | *2.45* |
| | | *For 4,500 PSI Concrete, Add* | *3.27* |
| | | *For 5,000 PSI Concrete, Add* | *4.91* |
| | | *For White Facing, Add* | *16.35* |
| | | *For Solid White Through Thickness, Add* | *16.35* |
| | | *For Broken Rib Finish, Add* | *8.18* |
| | | *For Fluted Surface, Add* | *8.18* |
| | | *For Exposed Aggregate, Add* | *16.35* |
| | | *For Sandblasting Of Surface, Add* | *8.18* |

## 03 41 19 00-0086 Sandwich Panel *(03 41 19)*

## 03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 19 00-0088 | EA | Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane | 385.67 | 308.48 |
| 03 41 19 00-0089 | EA | Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane | 431.39 | 345.10 |
| 03 41 19 00-0090 | EA | Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane | 489.42 | 391.52 |
| 03 41 19 00-0091 | EA | Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane | 523.06 | 418.45 |
| 03 41 19 00-0092 | EA | Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane | 561.68 | 449.31 |
| 03 41 19 00-0093 | EA | Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane | 610.87 | 488.67 |
| 03 41 19 00-0094 | EA | Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane | 664.21 | 531.43 |
| 03 41 19 00-0095 | EA | Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane | 734.13 | 587.27 |

## 03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 19 00-0097 | EA | Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane | 391.46 | 313.11 |
| 03 41 19 00-0098 | EA | Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane | 437.87 | 350.28 |
| 03 41 19 00-0099 | EA | Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane | 496.77 | 397.40 |
| 03 41 19 00-0100 | EA | Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane | 530.92 | 424.73 |
| 03 41 19 00-0101 | EA | Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane | 570.11 | 456.06 |
| 03 41 19 00-0102 | EA | Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane | 620.05 | 496.01 |
| 03 41 19 00-0103 | EA | Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane | 674.19 | 539.41 |
| 03 41 19 00-0104 | EA | Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane | 745.15 | 596.09 |
| 03 41 19 00-0105 | EA | Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane | 824.72 | 659.80 |
| 03 41 19 00-0106 | EA | Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane | 933.48 | 746.74 |
| 03 41 19 00-0107 | EA | Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane | 1,061.84 | 849.47 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 41 19 00-0108 | EA | Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane | 1,231.12 | 984.86 |

### 03 41 19 00-0109 Material Cost *(03 41 19 00-0086)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

| | | | |
|---|---|---|---|
| 03 41 19 00-0110 | SF | 4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect | 57.46 |
| | | *For 3,500 PSI Concrete, Add* | *1.15* |
| | | *For 4,000 PSI Concrete, Add* | *1.72* |
| | | *For 4,500 PSI Concrete, Add* | *2.30* |
| | | *For 5,000 PSI Concrete, Add* | *3.45* |
| | | *For White Facing, Add* | *11.49* |
| | | *For Solid White Through Thickness, Add* | *11.49* |
| | | *For Broken Rib Finish, Add* | *5.75* |
| | | *For Fluted Surface, Add* | *5.75* |
| | | *For Exposed Aggregate, Add* | *11.49* |
| | | *For Sandblasting Of Surface, Add* | *5.75* |
| 03 41 19 00-0111 | SF | 5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect | 67.62 |
| | | *For 3,500 PSI Concrete, Add* | *1.35* |
| | | *For 4,000 PSI Concrete, Add* | *2.03* |
| | | *For 4,500 PSI Concrete, Add* | *2.70* |
| | | *For 5,000 PSI Concrete, Add* | *4.06* |
| | | *For White Facing, Add* | *13.52* |
| | | *For Solid White Through Thickness, Add* | *13.52* |
| | | *For Broken Rib Finish, Add* | *6.76* |
| | | *For Fluted Surface, Add* | *6.76* |
| | | *For Exposed Aggregate, Add* | *13.52* |
| | | *For Sandblasting Of Surface, Add* | *6.76* |
| 03 41 19 00-0112 | SF | 6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect | 78.67 |
| | | *For 3,500 PSI Concrete, Add* | *1.57* |
| | | *For 4,000 PSI Concrete, Add* | *2.36* |
| | | *For 4,500 PSI Concrete, Add* | *3.15* |
| | | *For 5,000 PSI Concrete, Add* | *4.72* |
| | | *For White Facing, Add* | *15.73* |
| | | *For Solid White Through Thickness, Add* | *15.73* |
| | | *For Broken Rib Finish, Add* | *7.87* |
| | | *For Fluted Surface, Add* | *7.87* |
| | | *For Exposed Aggregate, Add* | *15.73* |
| | | *For Sandblasting Of Surface, Add* | *7.87* |
| 03 41 19 00-0113 | SF | 8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect | 99.44 |
| | | *For 3,500 PSI Concrete, Add* | *1.99* |
| | | *For 4,000 PSI Concrete, Add* | *2.98* |
| | | *For 4,500 PSI Concrete, Add* | *3.98* |
| | | *For 5,000 PSI Concrete, Add* | *5.97* |
| | | *For White Facing, Add* | *19.89* |
| | | *For Solid White Through Thickness, Add* | *19.89* |
| | | *For Broken Rib Finish, Add* | *9.94* |
| | | *For Fluted Surface, Add* | *9.94* |
| | | *For Exposed Aggregate, Add* | *19.89* |
| | | *For Sandblasting Of Surface, Add* | *9.94* |

## 03 41 23 Precast Concrete Stairs *(03 41)*

### 03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 23 00-0002 | EA | Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane | 406.27 | 324.95 |
| 03 41 23 00-0003 | EA | Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane | 431.39 | 345.10 |
| 03 41 23 00-0004 | EA | Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane | 457.33 | 365.89 |
| 03 41 23 00-0005 | EA | Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane | 489.42 | 391.52 |
| 03 41 23 00-0006 | EA | Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane | 523.06 | 418.45 |
| 03 41 23 00-0007 | EA | Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane | 561.68 | 449.31 |
| 03 41 23 00-0008 | EA | Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane | 610.87 | 488.67 |
| 03 41 23 00-0009 | EA | Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane | 664.21 | 531.43 |

### 03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 23 00-0011 | EA | Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane | 406.27 | 324.95 |
| 03 41 23 00-0012 | EA | Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane | 431.39 | 345.10 |
| 03 41 23 00-0013 | EA | Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane | 457.33 | 365.89 |
| 03 41 23 00-0014 | EA | Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane | 489.42 | 391.52 |
| 03 41 23 00-0015 | EA | Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane | 523.06 | 418.45 |
| 03 41 23 00-0016 | EA | Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane | 561.68 | 449.31 |
| 03 41 23 00-0017 | EA | Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane | 610.87 | 488.67 |
| 03 41 23 00-0018 | EA | Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane | 664.21 | 531.43 |

### 03 41 23 00-0019 Material Cost *(03 41 23)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 41 23 00-0020 | EA | 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser | 885.75 | |
| | | *For 3,500 PSI Concrete, Add* | *115.59* | |
| | | *For 4,000 PSI Concrete, Add* | *217.19* | |
| | | *For 4,500 PSI Concrete, Add* | *319.22* | |
| | | *For 5,000 PSI Concrete, Add* | *434.28* | |

## 03 41 26 Precast Concrete Structural Sections *(03 41)*

### 03 41 26 00-0001 Precast Beams, Girder And Joists *(03 41 26)*

### 03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0003 | EA | Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane | 513.37 | 410.75 |
| 03 41 26 00-0004 | EA | Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane | 549.40 | 439.47 |
| 03 41 26 00-0005 | EA | Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane | 587.17 | 469.74 |
| 03 41 26 00-0006 | EA | Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane | 630.52 | 504.44 |

### 03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane *(03 41 26 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0008 | EA | Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane | 647.63 | 518.06 |
| 03 41 26 00-0009 | EA | Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane | 693.08 | 554.51 |
| 03 41 26 00-0010 | EA | Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane | 740.73 | 592.59 |
| 03 41 26 00-0011 | EA | Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane | 795.41 | 636.28 |
| 03 41 26 00-0012 | EA | Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane | 865.09 | 692.14 |
| 03 41 26 00-0013 | EA | Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane | 940.60 | 752.43 |
| 03 41 26 00-0014 | EA | Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane | 1,039.62 | 831.69 |
| 03 41 26 00-0015 | EA | Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane | 1,150.65 | 920.58 |

### 03 41 26 00-0016 Material Cost *(03 41 26 00-0001)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

### 03 41 26 00-0017 1,000 Lb./LF Live Load *(03 41 26 00-0016)*

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0018 | LF | Precast Structural Sections, 1,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI | 177.13 | |
| | | *For 3,500 PSI Concrete, Add* | *4.84* | |
| | | *For 4,000 PSI Concrete, Add* | *7.26* | |
| | | *For 4,500 PSI Concrete, Add* | *9.67* | |
| | | *For 5,000 PSI Concrete, Add* | *14.52* | |
| 03 41 26 00-0019 | LF | Precast Structural Sections, 1,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI | 221.41 | |
| | | *For 3,500 PSI Concrete, Add* | *6.04* | |
| | | *For 4,000 PSI Concrete, Add* | *9.08* | |
| | | *For 4,500 PSI Concrete, Add* | *12.09* | |
| | | *For 5,000 PSI Concrete, Add* | *18.16* | |
| 03 41 26 00-0020 | LF | Precast Structural Sections, 1,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI | 265.69 | |
| | | *For 3,500 PSI Concrete, Add* | *7.25* | |
| | | *For 4,000 PSI Concrete, Add* | *10.89* | |
| | | *For 4,500 PSI Concrete, Add* | *14.51* | |
| | | *For 5,000 PSI Concrete, Add* | *21.79* | |

### 03 41 26 00-0021 3,000 Lb./LF Live Load *(03 41 26 00-0016)*

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0022 | LF | Precast Structural Sections, 3,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI | 221.41 | |
| | | *For 3,500 PSI Concrete, Add* | *6.04* | |
| | | *For 4,000 PSI Concrete, Add* | *9.08* | |
| | | *For 4,500 PSI Concrete, Add* | *12.09* | |
| | | *For 5,000 PSI Concrete, Add* | *18.16* | |
| 03 41 26 00-0023 | LF | Precast Structural Sections, 3,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI | 265.69 | |
| | | *For 3,500 PSI Concrete, Add* | *7.25* | |
| | | *For 4,000 PSI Concrete, Add* | *10.89* | |
| | | *For 4,500 PSI Concrete, Add* | *14.51* | |
| | | *For 5,000 PSI Concrete, Add* | *21.79* | |
| 03 41 26 00-0024 | LF | Precast Structural Sections, 3,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI | 354.25 | |
| | | *For 3,500 PSI Concrete, Add* | *9.67* | |
| | | *For 4,000 PSI Concrete, Add* | *14.52* | |
| | | *For 4,500 PSI Concrete, Add* | *19.34* | |
| | | *For 5,000 PSI Concrete, Add* | *29.05* | |

### 03 41 26 00-0025 5,000 Lb./LF Live Load *(03 41 26 00-0016)*

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0026 | LF | Precast Structural Sections, 5,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI | 309.97 | |
| | | *For 3,500 PSI Concrete, Add* | *8.46* | |
| | | *For 4,000 PSI Concrete, Add* | *12.71* | |
| | | *For 4,500 PSI Concrete, Add* | *16.92* | |
| | | *For 5,000 PSI Concrete, Add* | *25.42* | |
| 03 41 26 00-0027 | LF | Precast Structural Sections, 5,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI | 354.25 | |
| | | *For 3,500 PSI Concrete, Add* | *9.67* | |
| | | *For 4,000 PSI Concrete, Add* | *14.52* | |
| | | *For 4,500 PSI Concrete, Add* | *19.34* | |
| | | *For 5,000 PSI Concrete, Add* | *29.05* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 41 26 00-0028 | LF | Precast Structural Sections, 5,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI | 442.81 | |
| | | *For 3,500 PSI Concrete, Add* | *12.09* | |
| | | *For 4,000 PSI Concrete, Add* | *18.16* | |
| | | *For 4,500 PSI Concrete, Add* | *24.18* | |
| | | *For 5,000 PSI Concrete, Add* | *36.31* | |

### 03 41 26 00-0029 Precast Concrete Columns *(03 41 26)*

### 03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0029)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0031 | EA | Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane | 297.02 | 237.58 |
| 03 41 26 00-0032 | EA | Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane | 315.79 | 252.59 |
| 03 41 26 00-0033 | EA | Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane | 338.43 | 270.77 |
| 03 41 26 00-0034 | EA | Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane | 363.02 | 290.41 |
| 03 41 26 00-0035 | EA | Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane | 391.46 | 313.11 |
| 03 41 26 00-0036 | EA | Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane | 424.73 | 339.79 |
| 03 41 26 00-0037 | EA | Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane | 464.19 | 371.38 |

### 03 41 26 00-0038 Material Cost *(03 41 26 00-0029)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.

### 03 41 26 00-0039 12" x 12" Column, Square, Tied *(03 41 26 00-0038)*

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0040 | CY | 12" x 12" Precast Column, Tied, Average Reinforced 351 Lb./CY | 916.76 | |
| | | *For 3,500 PSI Concrete, Add* | *68.76* | |
| | | *For 4,000 PSI Concrete, Add* | *129.26* | |
| | | *For 4,500 PSI Concrete, Add* | *190.69* | |
| | | *For 5,000 PSI Concrete, Add* | *259.44* | |

### 03 41 26 00-0041 16" x 16" Column, Square, Tied *(03 41 26 00-0038)*

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0042 | CY | 16" x 16" Precast Column, Tied, Average Reinforced 368 Lb./CY | 939.40 | |
| | | *For 3,500 PSI Concrete, Add* | *70.46* | |
| | | *For 4,000 PSI Concrete, Add* | *132.46* | |
| | | *For 4,500 PSI Concrete, Add* | *195.40* | |
| | | *For 5,000 PSI Concrete, Add* | *265.85* | |

### 03 41 26 00-0043 20" x 20" Column, Square, Tied *(03 41 26 00-0038)*

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0044 | CY | 20" x 20" Precast Column, Tied, Average Reinforced 357 Lb./CY | 941.21 | |
| | | *For 3,500 PSI Concrete, Add* | *70.59* | |
| | | *For 4,000 PSI Concrete, Add* | *132.71* | |
| | | *For 4,500 PSI Concrete, Add* | *195.77* | |
| | | *For 5,000 PSI Concrete, Add* | *266.36* | |

### 03 41 26 00-0045 24" x 24" Column, Square, Tied *(03 41 26 00-0038)*

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0046 | CY | 24" x 24" Precast Column, Tied, Average Reinforced 365 Lb./CY | 941.21 | |
| | | *For 3,500 PSI Concrete, Add* | *70.59* | |
| | | *For 4,000 PSI Concrete, Add* | *132.71* | |
| | | *For 4,500 PSI Concrete, Add* | *195.77* | |
| | | *For 5,000 PSI Concrete, Add* | *266.36* | |

### 03 41 26 00-0047 28" x 28" Column, Square, Tied *(03 41 26 00-0038)*

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0048 | CY | 28" x 28" Precast Column, Tied, Average Reinforced 347 Lb./CY | 941.21 | |
| | | *For 3,500 PSI Concrete, Add* | *70.59* | |
| | | *For 4,000 PSI Concrete, Add* | *132.71* | |
| | | *For 4,500 PSI Concrete, Add* | *195.77* | |
| | | *For 5,000 PSI Concrete, Add* | *266.36* | |

### 03 41 26 00-0049 32" x 32" Column, Square, Tied *(03 41 26 00-0038)*

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0050 | CY | 32" x 32" Precast Column, Tied, Average Reinforced 351 Lb./CY | 939.40 | |
| | | *For 3,500 PSI Concrete, Add* | *70.46* | |
| | | *For 4,000 PSI Concrete, Add* | *132.46* | |
| | | *For 4,500 PSI Concrete, Add* | *195.40* | |
| | | *For 5,000 PSI Concrete, Add* | *265.85* | |

### 03 41 26 00-0051 36" x 36" Column, Square, Tied *(03 41 26 00-0038)*

| | | | | |
|---|---|---|---|---|
| 03 41 26 00-0052 | CY | 36" x 36" Precast Column, Tied, Average Reinforced 278 Lb./CY | 941.21 | |
| | | *For 3,500 PSI Concrete, Add* | *70.59* | |
| | | *For 4,000 PSI Concrete, Add* | *132.71* | |
| | | *For 4,500 PSI Concrete, Add* | *195.77* | |
| | | *For 5,000 PSI Concrete, Add* | *266.36* | |

## 03 41 33 Precast Structural Pretensioned Concrete *(03 41)*

### 03 41 33 00-0001 Slabs, Roof And Floor Members *(03 41 33)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 41 33 00-0002 | SF | 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor | 18.71 | 2.41 |
| 03 41 33 00-0003 | SF | 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor | 23.31 | 2.41 |
| 03 41 33 00-0004 | SF | 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor | 27.93 | 2.54 |
| 03 41 33 00-0005 | SF | 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor | 32.57 | 2.66 |
| 03 41 33 00-0006 | | Tee Members *(03 41 33)* | | |
| 03 41 33 00-0007 | | Multiple Tee, Roof And Floor *(03 41 33 00-0006)* | | |
| 03 41 33 00-0008 | SF | Prestressed Multiple Tee, Roof And Floor Members | 42.04 | 3.14 |
| 03 41 33 00-0009 | | Double Tee Wall Member *(03 41 33 00-0006)* | | |
| 03 41 33 00-0010 | SF | Prestressed Double Tee Wall Members Precast Concrete, <40' Span | 59.46 | 8.58 |
| 03 41 33 00-0011 | | Single Tee, Short Span, Roof Members *(03 41 33 00-0006)* | | |
| 03 41 33 00-0012 | SF | Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span | 49.41 | 5.20 |
| 03 41 33 00-0013 | | Single Tee, Long Span, Roof Members *(03 41 33 00-0006)* | | |
| 03 41 33 00-0014 | SF | Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span | 59.30 | 4.48 |
| 03 41 33 00-0015 | | Prestressed Concrete Items *(03 41 33)* | | |
| 03 41 33 00-0016 | | Prestressed Quad Tee *(03 41 33 00-0015)* | | |
| 03 41 33 00-0017 | SF | Tees, Prestressed Quad Tee, Short Spans, Roof | 30.45 | 0.96 |
| 03 41 33 00-0018 | SF | Tees, Prestressed Quad Tee, Short Spans, Floor | 31.78 | 0.96 |
| 03 41 33 00-0019 | | Prestressed Double Tee *(03 41 33 00-0015)* | | |
| 03 41 33 00-0020 | SF | Tees, Double Tee, Floor Members , 60' Span | 50.63 | 0.85 |
| 03 41 33 00-0021 | SF | Tees, Double Tee, Floor Members , 80' Span | 69.74 | 0.85 |
| 03 41 33 00-0022 | SF | Tees, Double Tee, Roof Members, 30' Span | 34.55 | 1.45 |
| 03 41 33 00-0023 | SF | Tees, Double Tee, Roof Members, 50' Span | 53.54 | 0.96 |
| 03 41 33 00-0024 | SF | Tees, Double Tee, Wall Members, Up To 55' High | 37.43 | 1.94 |
| 03 41 33 00-0025 | | Prestressed Single Tee *(03 41 33 00-0015)* | | |
| 03 41 33 00-0026 | SF | Tees, Single Tee Roof Members, 40' Span | 59.91 | 2.18 |
| 03 41 33 00-0027 | SF | Tees, Single Tee Roof Members, 80' Span | 69.41 | 1.33 |
| 03 41 33 00-0028 | SF | Tees, Single Tee Roof Members, 100' Span | 91.84 | 1.21 |
| 03 41 33 00-0029 | SF | Tees, Single Tee Roof Members, 120' Span | 96.71 | 1.21 |
| 03 41 33 00-0030 | | Prestressed Double Tee Floor Members *(03 41 33 00-0015)* | | |
| 03 41 33 00-0031 | EA | Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45' | 15,492.98 | 348.21 |
| 03 41 33 00-0032 | EA | Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50' | 16,869.91 | 386.90 |
| 03 41 33 00-0033 | EA | Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60' | 28,223.54 | 435.26 |
| 03 41 33 00-0034 | EA | Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25' | 6,064.54 | 316.66 |
| 03 41 33 00-0035 | EA | Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25' | 7,964.14 | 348.21 |
| 03 41 33 00-0036 | EA | Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35' | 10,178.51 | 348.21 |
| 03 41 33 00-0037 | EA | Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45' | 11,334.01 | 386.90 |
| 03 41 33 00-0038 | EA | Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50' | 14,494.49 | 435.26 |
| 03 41 33 00-0039 | EA | Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60' | 26,087.19 | 497.65 |
| 03 41 33 00-0040 | | Prestressed Double Tee Roof Members *(03 41 33 00-0015)* | | |
| 03 41 33 00-0041 | EA | Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45' | 12,171.43 | 348.21 |
| 03 41 33 00-0042 | EA | Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50' | 15,984.17 | 386.90 |
| 03 41 33 00-0043 | EA | Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60' | 26,230.62 | 435.26 |
| 03 41 33 00-0044 | EA | Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30' | 8,146.04 | 316.66 |
| 03 41 33 00-0045 | EA | Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30' | 8,584.16 | 348.21 |
| 03 41 33 00-0046 | EA | Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30' | 9,514.20 | 348.21 |
| 03 41 33 00-0047 | EA | Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40' | 9,783.95 | 386.90 |
| 03 41 33 00-0048 | EA | Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50' | 12,944.44 | 435.26 |
| 03 41 33 00-0049 | EA | Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60' | 22,322.77 | 497.65 |
| 03 41 33 00-0050 | | Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab *(03 41 33)* | | |
| 03 41 33 00-0051 | SF | Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete | 32.18 | |
| 03 41 33 00-0052 | SF | Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete | 33.50 | |
| 03 41 33 00-0053 | SF | Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete | 35.06 | |
| 03 41 33 00-0054 | SF | Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete | 36.22 | |
| 03 41 33 00-0055 | SF | Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete | 38.68 | |
| 03 41 33 00-0056 | | Double And Single Tees *(03 41 33)* | | |


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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| **03 41 33 00-0057** | | | **Double And Single Tees With 16" Roof And Floor Loading** *(03 41 33 00-0056)* | | |
| | 03 41 33 00-0058 | SF | Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete | 38.88 | |
| | 03 41 33 00-0059 | SF | Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete | 37.96 | |
| | 03 41 33 00-0060 | SF | Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete | 35.86 | |
| | 03 41 33 00-0061 | SF | Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete | 38.88 | |
| | 03 41 33 00-0062 | SF | Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete | 38.76 | |
| | 03 41 33 00-0063 | SF | Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete | 59.61 | |
| | 03 41 33 00-0064 | SF | Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete | 58.29 | |
| | 03 41 33 00-0065 | SF | Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete | 54.59 | |
| | 03 41 33 00-0066 | SF | Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete | 59.61 | |
| | 03 41 33 00-0067 | SF | Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete | 55.90 | |
| **03 41 33 00-0068** | | | **Double And Single Tees With 24" Roof And Floor Loading** *(03 41 33 00-0056)* | | |
| | 03 41 33 00-0069 | SF | Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete | 40.07 | |
| | 03 41 33 00-0070 | SF | Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete | 39.16 | |
| | 03 41 33 00-0071 | SF | Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete | 37.85 | |
| | 03 41 33 00-0072 | SF | Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete | 40.07 | |
| | 03 41 33 00-0073 | SF | Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete | 38.76 | |
| | 03 41 33 00-0074 | SF | Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete | 61.20 | |
| | 03 41 33 00-0075 | SF | Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete | 59.88 | |
| | 03 41 33 00-0076 | SF | Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete | 57.78 | |
| | 03 41 33 00-0077 | SF | Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete | 61.20 | |
| | 03 41 33 00-0078 | SF | Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete | 59.49 | |
| **03 41 33 00-0079** | | | **Double And Single Tees With 32" Roof And Floor Loading** *(03 41 33 00-0056)* | | |
| | 03 41 33 00-0080 | SF | Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete | 42.25 | |
| | 03 41 33 00-0081 | SF | Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete | 40.91 | |
| | 03 41 33 00-0082 | SF | Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete | 39.60 | |
| | 03 41 33 00-0083 | SF | Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete | 64.97 | |
| | 03 41 33 00-0084 | SF | Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete | 62.83 | |
| | 03 41 33 00-0085 | SF | Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete | 60.32 | |

# 03 48 Precast Concrete Specialties *(03 40)*

## 03 48 16 Precast Concrete Splash Blocks *(03 48)*

| | | | | | |
|---|---|---|---|---|---|
| **03 48 16 00-0001** | | | **Precast Concrete Splash Blocks** *(03 48 16)* | | |
| | 03 48 16 00-0002 | EA | Precast Concrete Splash Blocks, 20" x 12" x 3" | 42.09 | 4.48 |

## 03 48 21 Precast Concrete Handrails *(03 48)*

| | | | | | |
|---|---|---|---|---|---|
| **03 48 21 00-0001** | | | **Installation Cost** *(03 48 21)*<br>Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting. | | |
| | 03 48 21 00-0002 | EA | Install Precast Handrails, 0-2 Ton/Handrail | 166.44 | 74.93 |
| | 03 48 21 00-0003 | EA | Install Precast Handrails, Over 2 Ton/Handrail | 199.62 | 89.80 |
| **03 48 21 00-0004** | | | **Material Cost** *(03 48 21)*<br>Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations. | | |
| | 03 48 21 00-0005 | CY | 4" Thick 3,000 PSI Concrete Precast Concrete Handrail | 3,498.81 | |
| | | | *For 3,500 PSI Concrete, Add* | *228.30* | |
| | | | *For 4,000 PSI Concrete, Add* | *428.95* | |
| | | | *For 4,500 PSI Concrete, Add* | *630.49* | |
| | | | *For 5,000 PSI Concrete, Add* | *857.73* | |
| | 03 48 21 00-0006 | CY | 5" Thick 3,000 PSI Concrete Precast Concrete Handrail | 3,631.67 | |
| | | | *For 3,500 PSI Concrete, Add* | *236.97* | |
| | | | *For 4,000 PSI Concrete, Add* | *445.24* | |
| | | | *For 4,500 PSI Concrete, Add* | *654.43* | |
| | | | *For 5,000 PSI Concrete, Add* | *890.30* | |
| | 03 48 21 00-0007 | CY | 6" Thick 3,000 PSI Concrete Precast Concrete Handrail | 3,764.54 | |
| | | | *For 3,500 PSI Concrete, Add* | *245.64* | |
| | | | *For 4,000 PSI Concrete, Add* | *461.53* | |
| | | | *For 4,500 PSI Concrete, Add* | *678.37* | |
| | | | *For 5,000 PSI Concrete, Add* | *922.88* | |
| | 03 48 21 00-0008 | CY | 8" Thick 3,000 PSI Concrete Precast Concrete Handrail | 3,941.70 | |
| | | | *For 3,500 PSI Concrete, Add* | *257.20* | |
| | | | *For 4,000 PSI Concrete, Add* | *483.25* | |
| | | | *For 4,500 PSI Concrete, Add* | *710.29* | |
| | | | *For 5,000 PSI Concrete, Add* | *966.31* | |

## 03 48 22 Precast Concrete Sun Screen and Trellis *(03 48)*

| | | | | | |
|---|---|---|---|---|---|
| **03 48 22 00-0001** | | | **Sun Screen Blades** *(03 48 22)* | | |
| **03 48 22 00-0002** | | | **Installation Cost** *(03 48 22 00-0001)*<br>Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections. | | |
| | 03 48 22 00-0003 | EA | Install Precast Sun Screen Blade, 0-1 Ton/Each | 83.22 | 37.46 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 48 22 00-0004 | EA | Install Precast Sun Screen Blade, 1-2 Ton/Each | 99.99 | 44.96 |
| 03 48 22 00-0005 | EA | Install Precast Sun Screen Blade, 2-3 Ton/Each | 124.92 | 56.26 |
| 03 48 22 00-0006 | | **Material Cost** *(03 48 22 00-0001)* | | |
| | | Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations. | | |
| 03 48 22 00-0007 | CY | 4" Thick 3,000 PSI Concrete Precast Sun Screen Blades | 3,720.25 | |
| | | *For 3,500 PSI Concrete, Add* | *242.75* | |
| | | *For 4,000 PSI Concrete, Add* | *456.10* | |
| | | *For 4,500 PSI Concrete, Add* | *670.39* | |
| | | *For 5,000 PSI Concrete, Add* | *912.02* | |
| 03 48 22 00-0008 | CY | 5" Thick 3,000 PSI Concrete Precast Sun Screen Blades | 3,853.12 | |
| | | *For 3,500 PSI Concrete, Add* | *251.42* | |
| | | *For 4,000 PSI Concrete, Add* | *472.39* | |
| | | *For 4,500 PSI Concrete, Add* | *694.33* | |
| | | *For 5,000 PSI Concrete, Add* | *944.59* | |
| 03 48 22 00-0009 | CY | 6" Thick 3,000 PSI Concrete Precast Sun Screen Blades | 4,030.27 | |
| | | *For 3,500 PSI Concrete, Add* | *262.98* | |
| | | *For 4,000 PSI Concrete, Add* | *494.11* | |
| | | *For 4,500 PSI Concrete, Add* | *726.25* | |
| | | *For 5,000 PSI Concrete, Add* | *988.02* | |
| 03 48 22 00-0010 | CY | 8" Thick 3,000 PSI Concrete Precast Sun Screen Blades | 4,207.43 | |
| | | *For 3,500 PSI Concrete, Add* | *274.53* | |
| | | *For 4,000 PSI Concrete, Add* | *515.83* | |
| | | *For 4,500 PSI Concrete, Add* | *758.18* | |
| | | *For 5,000 PSI Concrete, Add* | *1,031.45* | |
| 03 48 22 00-0011 | | **Sun Screen/Trellis Units** *(03 48 22)* | | |
| 03 48 22 00-0012 | | **Installation Cost Using A 50 Ton Hydraulic Crane** *(03 48 22 00-0011)* | | |
| | | Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections. | | |
| 03 48 22 00-0013 | EA | Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane | 385.67 | 173.52 |
| 03 48 22 00-0014 | EA | Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane | 431.39 | 194.19 |
| 03 48 22 00-0015 | EA | Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane | 489.42 | 220.21 |
| 03 48 22 00-0016 | EA | Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane | 523.06 | 235.38 |
| 03 48 22 00-0017 | | **Material Cost** *(03 48 22 00-0011)* | | |
| | | Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations. | | |
| 03 48 22 00-0018 | CY | 4" Thick 3,000 PSI Concrete Precast Trellises Blades | 4,296.01 | |
| | | *For 3,500 PSI Concrete, Add* | *280.31* | |
| | | *For 4,000 PSI Concrete, Add* | *526.69* | |
| | | *For 4,500 PSI Concrete, Add* | *774.14* | |
| | | *For 5,000 PSI Concrete, Add* | *1,053.17* | |
| 03 48 22 00-0019 | CY | 5" Thick 3,000 PSI Concrete Precast Trellises Blades | 4,428.87 | |
| | | *For 3,500 PSI Concrete, Add* | *288.98* | |
| | | *For 4,000 PSI Concrete, Add* | *542.98* | |
| | | *For 4,500 PSI Concrete, Add* | *798.08* | |
| | | *For 5,000 PSI Concrete, Add* | *1,085.74* | |
| 03 48 22 00-0020 | CY | 6" Thick 3,000 PSI Concrete Precast Trellises Blades | 4,606.03 | |
| | | *For 3,500 PSI Concrete, Add* | *300.54* | |
| | | *For 4,000 PSI Concrete, Add* | *564.70* | |
| | | *For 4,500 PSI Concrete, Add* | *830.01* | |
| | | *For 5,000 PSI Concrete, Add* | *1,129.17* | |
| 03 48 22 00-0021 | CY | 8" Thick 3,000 PSI Concrete Precast Trellises Blades | 4,827.47 | |
| | | *For 3,500 PSI Concrete, Add* | *314.99* | |
| | | *For 4,000 PSI Concrete, Add* | *591.85* | |
| | | *For 4,500 PSI Concrete, Add* | *869.91* | |
| | | *For 5,000 PSI Concrete, Add* | *1,183.45* | |
| **03 48 24** | | **Precast Minaret Segments** *(03 48)* | | |
| 03 48 24 00-0001 | | **Installation Costs Using A 50 Ton Hydraulic Crane** *(03 48 24)* | | |
| | | Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. | | |
| 03 48 24 00-0002 | | **L - Shaped Segments** *(03 48 24 00-0001)* | | |
| 03 48 24 00-0003 | EA | Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane | 375.29 | 300.24 |
| 03 48 24 00-0004 | EA | Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane | 420.55 | 336.46 |
| 03 48 24 00-0005 | EA | Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane | 475.51 | 380.40 |
| 03 48 24 00-0006 | EA | Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane | 507.22 | 405.76 |
| 03 48 24 00-0007 | | **O - Shaped Segments** *(03 48 24 00-0001)* | | |
| 03 48 24 00-0008 | EA | Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane | 396.64 | 317.37 |
| 03 48 24 00-0009 | EA | Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane | 445.16 | 356.08 |
| 03 48 24 00-0010 | EA | Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane | 504.16 | 403.28 |
| 03 48 24 00-0011 | EA | Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane | 539.94 | 431.92 |
| 03 48 24 00-0012 | | **Platform Segment** *(03 48 24 00-0001)* | | |
| 03 48 24 00-0013 | EA | Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane | 760.82 | 608.71 |
| 03 48 24 00-0014 | EA | Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane | 919.67 | 735.69 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 48 24 00-0015 | EA | Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane | 1,020.61 | 816.50 |
| 03 48 24 00-0016 | EA | Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane | 1,146.44 | 917.20 |
| 03 48 24 00-0017 | | **Cap Segment** *(03 48 24 00-0001)* | | |
| 03 48 24 00-0018 | EA | Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane | 416.37 | 333.06 |
| 03 48 24 00-0019 | EA | Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane | 464.94 | 371.90 |
| 03 48 24 00-0020 | EA | Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane | 529.69 | 423.68 |
| 03 48 24 00-0021 | EA | Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane | 565.47 | 452.32 |
| 03 48 24 00-0022 | | **Installation Costs Using A 90 Ton Crawler Crane** *(03 48 24)*<br>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints. | | |
| 03 48 24 00-0023 | | **L - Shaped Segments** *(03 48 24 00-0022)* | | |
| 03 48 24 00-0024 | EA | Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane | 380.93 | 304.74 |
| 03 48 24 00-0025 | EA | Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane | 426.86 | 341.51 |
| 03 48 24 00-0026 | EA | Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane | 482.65 | 386.11 |
| 03 48 24 00-0027 | EA | Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane | 514.83 | 411.86 |
| 03 48 24 00-0028 | | **O - Shaped Segment** *(03 48 24 00-0022)* | | |
| 03 48 24 00-0029 | EA | Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane | 402.59 | 322.14 |
| 03 48 24 00-0030 | EA | Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane | 451.84 | 361.42 |
| 03 48 24 00-0031 | EA | Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane | 511.73 | 409.33 |
| 03 48 24 00-0032 | EA | Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane | 548.04 | 438.41 |
| 03 48 24 00-0033 | | **Platform Segment** *(03 48 24 00-0022)* | | |
| 03 48 24 00-0034 | EA | Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane | 615.56 | 492.43 |
| 03 48 24 00-0035 | EA | Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane | 745.15 | 596.09 |
| 03 48 24 00-0036 | EA | Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane | 824.72 | 659.80 |
| 03 48 24 00-0037 | EA | Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane | 933.48 | 746.74 |
| 03 48 24 00-0038 | | **Cap Segment** *(03 48 24 00-0022)* | | |
| 03 48 24 00-0039 | EA | Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane | 422.62 | 338.06 |
| 03 48 24 00-0040 | EA | Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane | 471.92 | 377.49 |
| 03 48 24 00-0041 | EA | Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane | 537.64 | 430.05 |
| 03 48 24 00-0042 | EA | Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane | 573.96 | 459.11 |
| 03 48 24 00-0043 | | **Material Costs** *(03 48 24)*<br>Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations. | | |
| 03 48 24 00-0044 | CY | Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete<br>Note: Including Post Tension Cost | 10,628.70 | |
| 03 48 24 00-0045 | CY | Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete<br>Note: Including Post Tension Cost | 10,628.70 | |
| 03 48 24 00-0046 | CY | Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete<br>Note: Including Post Tension Cost | 10,628.70 | |
| 03 48 24 00-0047 | CY | Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete<br>Note: Including Post Tension Cost | 10,628.70 | |

## 03 48 29 Precast Accessories *(03 48)*

Note: Includes installation labor, material and equipment.

| | | | | |
|---|---|---|---|---|
| 03 48 29 00-0001 | | **Bearing Pads For Precast Members** *(03 48 29)* | | |
| 03 48 29 00-0002 | | **Continuous 2" Wide Strips** *(03 48 29 00-0001)* | | |
| 03 48 29 00-0003 | LF | Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips<br>Note: For precast members | 1.59 | |
| 03 48 29 00-0004 | LF | Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips<br>Note: For precast members. | 2.27 | |
| 03 48 29 00-0005 | LF | Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips<br>Note: For precast members | 3.74 | |
| 03 48 29 00-0006 | LF | Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips<br>Note: For precast members | 5.25 | |
| 03 48 29 00-0007 | LF | Bearing Pads, Continuous 2" Wide x 1" Thick Strips<br>Note: For precast members | 6.82 | |
| 03 48 29 00-0008 | LF | Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips<br>Note: For precast members | 9.80 | |
| 03 48 29 00-0009 | | **Bearing Pad Pipe Supports** *(03 48 29)* | | |
| 03 48 29 00-0010 | LF | 8" Diameter Precast Balustrade, Decorative Shapes | 100.37 | |
| 03 48 29 00-0011 | LF | Precast Rail Cap, <1 SF Cross Section | 64.36 | |
| 03 48 29 00-0012 | LF | 4" x 4" Precast Pipe Support | 13.77 | |

## 03 48 46 Precast Skylight Shells *(03 48)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 48 46 00-0001 | | Installation Cost Using A 90 Ton Crawler Crane *(03 48 46)* | | |
| | | Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. | | |
| 03 48 46 00-0002 | EA | Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane | 549.40 | 247.26 |
| 03 48 46 00-0003 | EA | Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane | 610.04 | 274.53 |
| 03 48 46 00-0004 | EA | Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane | 685.75 | 308.59 |
| 03 48 46 00-0005 | | Material Cost *(03 48 46)* | | |
| | | Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations. | | |
| 03 48 46 00-0006 | CY | 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius | 4,446.71 | |
| **03 48 49** | | **Precast Landings** *(03 48)* | | |
| 03 48 49 00-0001 | SF | 3" Thick Precast Landing | 111.29 | |
| 03 48 49 00-0002 | SF | 4" Thick Precast Landing | 129.75 | |
| 03 48 49 00-0003 | SF | 5" Thick Precast Landing | 147.42 | |
| 03 48 49 00-0004 | SF | 6" Thick Precast Landing | 169.96 | |
| **03 48 54** | | **Precast Concrete Blocks** *(03 48)* | | |
| 03 48 54 00-0001 | | Precast Interlocking Concrete Blocks *(03 48 54)* | | |
| | | Note: Includes lifting loop | | |
| 03 48 54 00-0002 | EA | 2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block | 162.95 | 46.96 |
| 03 48 54 00-0003 | EA | 2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block | 194.32 | 52.82 |
| 03 48 54 00-0004 | EA | 2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block | 225.70 | 58.70 |
| 03 48 54 00-0005 | EA | 2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block | 305.15 | 64.56 |
| 03 48 54 00-0006 | EA | 2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block | 366.99 | 70.43 |
| **03 50** | | **Cast Decks and Underlayment** *(03)* | | |
| **03 51** | | **Cast Roof Decks** *(03 50)* | | |
| **03 51 13** | | **Cementitious Wood Fiber Decks** *(03 51)* | | |
| 03 51 13 00-0001 | | Cement Fiber Tongue And Groove Planks *(03 51 13)* | | |
| 03 51 13 00-0002 | SF | 1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System | 3.84 | |
| 03 51 13 00-0003 | SF | 1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System | 4.00 | |
| 03 51 13 00-0004 | SF | 2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System | 4.19 | |
| 03 51 13 00-0005 | SF | 2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System | 4.77 | |
| 03 51 13 00-0006 | SF | 3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System | 5.41 | |
| 03 51 13 00-0007 | SF | 3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System | 6.12 | |
| 03 51 13 00-0008 | SF | 4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System | 7.02 | |
| **03 51 16** | | **Gypsum Concrete Roof Decks** *(03 51)* | | |
| 03 51 16 00-0001 | | Class A Gypsum Fill Concrete Deck *(03 51 16)* | | |
| 03 51 16 00-0002 | SF | 2" Thick Precast Gypsum Fill Concrete Deck, Class A | 12.26 | 0.61 |
| 03 51 16 00-0003 | SF | 2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A | 15.20 | 0.72 |
| 03 51 16 00-0004 | SF | 3" Thick Precast Gypsum Fill Concrete Deck, Class A | 18.15 | 0.82 |
| 03 51 16 00-0005 | SF | 3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A | 21.13 | 0.92 |
| 03 51 16 00-0006 | SF | 4" Thick Precast Gypsum Fill Concrete Deck, Class A | 24.13 | 1.03 |
| 03 51 16 00-0007 | | Form Board For Lightweight Deck *(03 51 16)* | | |
| 03 51 16 00-0008 | SF | Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck | 2.55 | |
| 03 51 16 00-0009 | SF | Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck | 3.45 | |
| 03 51 16 00-0010 | SF | Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck | 7.32 | |
| 03 51 16 00-0011 | SF | Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck | 2.84 | 0.63 |
| 03 51 16 00-0012 | SF | Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck | 3.46 | 0.63 |
| 03 51 16 00-0013 | SF | Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck | 3.89 | 0.63 |
| 03 51 16 00-0014 | SF | Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck | 4.84 | 0.63 |
| 03 51 16 00-0015 | | Gypsum Plank *(03 51 16)* | | |
| 03 51 16 00-0016 | SF | 2" Thick, Insulating Concrete Gypsum Plank, Roof Deck | 4.20 | |
| 03 51 16 00-0017 | SF | 3" Thick, Insulating Concrete Gypsum Plank, Roof Deck | 5.54 | |
| **03 53** | | **Concrete Topping** *(03 50)* | | |
| | | Note: Installed over new or existing concrete. | | |
| **03 53 14** | | **Granolithic Concrete Topping** *(03 53)* | | |
| 03 53 14 00-0001 | | Granolithic Topping Laid After *(03 53 14)* | | |
| | | Note: Using 1:1:1-1/2 mix. | | |
| 03 53 14 00-0002 | SF | 1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix | 4.61 | |
| 03 53 14 00-0003 | SF | 1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix | 4.98 | |
| 03 53 14 00-0004 | SF | 2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix | 6.27 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **03 53 19** | | **Concrete Overlayment** *(03 53)* | | |
| 03 53 19 00-0001 | | Integral Topping Including Hard Trowel Finish *(03 53 19)* | | |
| | | Note: Using 1:1:2 mix. | | |
| 03 53 19 00-0002 | SF | 3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix | 2.73 | |
| 03 53 19 00-0003 | SF | 1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix | 3.08 | |
| 03 53 19 00-0004 | SF | 3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix | 3.59 | |
| 03 53 19 00-0005 | SF | 1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix | 4.26 | |
| 03 53 19 00-0006 | SF | 2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix | 6.05 | |
| 03 53 19 00-0007 | SF | 2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix | 5.17 | |
| 03 53 19 00-0008 | SF | 3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix | 5.80 | |
| **03 54** | | **Cast Underlayment** *(03 50)* | | |
| | | Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary). | | |
| **03 54 16** | | **Hydraulic Cement Underlayment** *(03 54)* | | |
| 03 54 16 00-0001 | | Self Leveling Cementitious Underlayment For Floors *(03 54 16)* | | |
| | | Note: Includes primer. | | |
| 03 54 16 00-0002 | SF | 1/8" Thick Self Leveling Cementitious Underlayment For Floors | 1.80 | |
| | | Note: Including Surface Preparation | | |
| | | *For Up To 100 SF, Add* | *0.15* | |
| | | *For >100 To 250 SF, Add* | *0.07* | |
| 03 54 16 00-0003 | SF | 1/4" Thick Self Leveling Cementitious Underlayment For Floors | 3.07 | |
| | | Note: Including Surface Preparation | | |
| | | *For Up To 100 SF, Add* | *0.15* | |
| | | *For >100 To 250 SF, Add* | *0.07* | |
| 03 54 16 00-0004 | SF | 3/8" Thick Self Leveling Cementitious Underlayment For Floors | 3.93 | |
| | | Note: Including Surface Preparation | | |
| | | *For Up To 100 SF, Add* | *0.15* | |
| | | *For >100 To 250 SF, Add* | *0.07* | |
| 03 54 16 00-0005 | SF | 1/2" Thick Self Leveling Cementitious Underlayment For Floors | 5.63 | |
| | | Note: Including Surface Preparation | | |
| | | *For Up To 100 SF, Add* | *0.15* | |
| | | *For >100 To 250 SF, Add* | *0.07* | |
| 03 54 16 00-0006 | SF | 5/8" Thick Self Leveling Cementitious Underlayment For Floors | 6.65 | |
| | | Note: Including Surface Preparation | | |
| | | *For Up To 100 SF, Add* | *0.15* | |
| | | *For >100 To 250 SF, Add* | *0.07* | |
| 03 54 16 00-0007 | SF | 3/4" Thick Self Leveling Cementitious Underlayment For Floors | 8.24 | |
| | | Note: Including Surface Preparation | | |
| | | *For Up To 100 SF, Add* | *0.17* | |
| | | *For >100 To 250 SF, Add* | *0.09* | |
| 03 54 16 00-0008 | SF | 1" Thick Self Leveling Cementitious Underlayment For Floors | 10.79 | |
| | | Note: Including Surface Preparation | | |
| | | *For Up To 100 SF, Add* | *0.17* | |
| | | *For >100 To 250 SF, Add* | *0.09* | |
| 03 54 16 00-0009 | SF | 1-1/4" Thick Self Leveling Cementitious Underlayment For Floors | 14.24 | |
| | | Note: Including Surface Preparation | | |
| | | *For Up To 100 SF, Add* | *0.20* | |
| | | *For >100 To 250 SF, Add* | *0.10* | |
| 03 54 16 00-0010 | SF | 1-1/2" Thick Self Leveling Cementitious Underlayment For Floors | 15.95 | |
| | | Note: Including Surface Preparation | | |
| | | *For Up To 100 SF, Add* | *0.20* | |
| | | *For >100 To 250 SF, Add* | *0.10* | |
| 03 54 16 00-0011 | SF | 1-3/4" Thick Self Leveling Cementitious Underlayment For Floors | 21.16 | |
| | | Note: Including Surface Preparation | | |
| | | *For Up To 100 SF, Add* | *0.24* | |
| | | *For >100 To 250 SF, Add* | *0.12* | |
| **03 60** | | **Grouting** *(03)* | | |
| **03 61** | | **Cementitious Grouting** *(03 60)* | | |
| | | Note: 1 part cement to 3 parts sand by volume. | | |
| **03 61 16** | | **Cementitious Flowable Grout** *(03 61)* | | |
| 03 61 16 00-0001 | | Cementitious Flowable Grout *(03 61 16)* | | |
| 03 61 16 00-0002 | CY | Cementitious Flowable Grout | 478.17 | |
| **03 62** | | **Non-Shrink Grouting** *(03 60)* | | |
| **03 62 13** | | **Non-Metallic Non-Shrink Grouting** *(03 62)* | | |
| 03 62 13 00-0001 | | Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)* | | |
| 03 62 13 00-0002 | SF | 1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases | 27.39 | |
| 03 62 13 00-0003 | SF | 2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases | 40.61 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 03 62 13 00-0004 | | Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)* | | |
| 03 62 13 00-0005 | SF | 1" Deep, Non-Metallic Non-Shrink Grout For Bases | 41.98 | |
| 03 62 13 00-0006 | SF | 2" Deep, Non-Metallic Non-Shrink Grout For Bases | 67.37 | |
| 03 62 13 00-0007 | | Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)* | | |
| 03 62 13 00-0008 | | 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)* | | |
| 03 62 13 00-0009 | LF | 4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints | 2.30 | |
| 03 62 13 00-0010 | LF | 6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints | 3.00 | |
| 03 62 13 00-0011 | LF | 8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints | 3.98 | |
| 03 62 13 00-0012 | | 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)* | | |
| 03 62 13 00-0013 | LF | 4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints | 3.38 | |
| 03 62 13 00-0014 | LF | 6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints | 4.49 | |
| 03 62 13 00-0015 | LF | 8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints | 5.97 | |
| **03 62 16** | | **Metallic Non-Shrink Grouting** *(03 62)* | | |
| 03 62 16 00-0001 | | Metallic Non-Shrink Grouting For Bases *(03 62 16)* | | |
| 03 62 16 00-0002 | SF | 1" Deep, Metallic Non-Shrink Grout For Bases | 35.47 | |
| 03 62 16 00-0003 | SF | 2" Deep, Metallic Non-Shrink Grout For Bases | 54.76 | |
| 03 62 16 00-0004 | | Metallic Non-Shrink Grouting For Joints *(03 62 16)* | | |
| 03 62 16 00-0005 | | 1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)* | | |
| 03 62 16 00-0006 | LF | 4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints | 1.89 | |
| 03 62 16 00-0007 | LF | 6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints | 2.39 | |
| 03 62 16 00-0008 | LF | 8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints | 3.19 | |
| 03 62 16 00-0009 | | 1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)* | | |
| 03 62 16 00-0010 | LF | 4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints | 2.59 | |
| 03 62 16 00-0011 | LF | 6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints | 3.27 | |
| 03 62 16 00-0012 | LF | 8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints | 4.36 | |
| **03 63** | | **Epoxy Grouting** *(03 60)* | | |
| 03 63 00 00-0001 | | Spray On Concrete Epoxy Grout *(03 63)* | | |
| | | Note: (Sika 224) per thickness per coat. | | |
| 03 63 00 00-0002 | SF | 1/4" Thick Coat Spray On Concrete Epoxy Grout | 4.35 | |
| | | *For Color, Add* | *1.14* | |
| 03 63 00 00-0003 | SF | 3/8" Thick Coat Spray On Concrete Epoxy Grout | 6.01 | |
| | | *For Color, Add* | *1.70* | |
| 03 63 00 00-0004 | SF | 1/2" Thick Coat Spray On Concrete Epoxy Grout | 7.70 | |
| | | *For Color, Add* | *2.27* | |
| 03 63 00 00-0005 | SF | 5/8" Thick Coat Spray On Concrete Epoxy Grout | 9.22 | |
| | | *For Color, Add* | *2.84* | |
| 03 63 00 00-0006 | SF | 3/4" Thick Coat Spray On Concrete Epoxy Grout | 10.75 | |
| | | *For Color, Add* | *3.41* | |
| 03 63 00 00-0007 | SF | 1" Thick Coat Spray On Concrete Epoxy Grout | 13.93 | |
| | | *For Color, Add* | *4.55* | |
| **03 64** | | **Injection Grouting** *(03 60)* | | |
| | | Note: By volume of void filled. Includes injection ports. | | |
| **03 64 23** | | **Epoxy Injection Grouting** *(03 64)* | | |
| 03 64 23 00-0001 | | Pressure Injected Epoxy Grout *(03 64 23)* | | |
| 03 64 23 00-0002 | CF | Pressure Injected Epoxy Grout | 1,378.99 | |
| | | *For >4, Deduct* | *-145.67* | |
| **03 64 26** | | **Cementitious Injection Grouting** *(03 64)* | | |
| 03 64 26 00-0001 | | Pressure Injected Cementitious Grout *(03 64 26)* | | |
| 03 64 26 00-0002 | CF | Pressure Injected Cementitious Grout | 242.88 | |
| | | *For >4, Deduct* | *-62.50* | |
| **03 80** | | **Concrete Cutting and Boring** *(03)* | | |
| **03 81** | | **Concrete Cutting** *(03 80)* | | |
| **03 81 13** | | **Flat Concrete Sawing** *(03 81)* | | |
| | | See CSI section 02 41 19 13-0059 for saw cutting. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

**03 81 16 Track Mounted Concrete Wall Sawing** *(03 81)*
See CSI section 02 41 19 13-0059 for saw cutting.

## 03 82 Concrete Boring *(03 80)*

**03 82 13 Concrete Core Drilling** *(03 82)*
See CSI section 02 41 19 13-0082 for core drilling.

**END OF SECTION 03**

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

# 04 Masonry

## 04 01 Maintenance of Masonry *(04)*

### 04 01 20 Maintenance of Unit Masonry *(04 01)*

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

#### 04 01 20 41 Unit Masonry Stabilization *(04 01 20)*

04 01 20 41-0001 Masonry Repair (Helifix®) *(04 01 20 41)*

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

| | | | | | |
|---|---|---|---|---|---|
| 04 01 20 41-0004 | EA | 8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) | | 20.29 | |
| | | *For Up To 10, Add* | | *9.80* | |
| | | *For >10 To 50, Add* | | *4.90* | |
| 04 01 20 41-0005 | EA | 8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) | | 28.50 | |
| | | *For Up To 10, Add* | | *9.80* | |
| | | *For >10 To 50, Add* | | *4.90* | |
| 04 01 20 41-0006 | EA | 8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) | | 37.42 | |
| | | *For Up To 10, Add* | | *9.80* | |
| | | *For >10 To 50, Add* | | *4.90* | |

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

| | | | | | |
|---|---|---|---|---|---|
| 04 01 20 41-0008 | EA | 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) | | 22.07 | |
| | | *For Up To 10, Add* | | *9.80* | |
| | | *For >10 To 50, Add* | | *4.90* | |
| 04 01 20 41-0009 | EA | 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) | | 31.66 | |
| | | *For Up To 10, Add* | | *9.80* | |
| | | *For >10 To 50, Add* | | *4.90* | |
| 04 01 20 41-0010 | EA | 8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) | | 42.16 | |
| | | *For Up To 10, Add* | | *9.80* | |
| | | *For >10 To 50, Add* | | *4.90* | |

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

| | | | | | |
|---|---|---|---|---|---|
| 04 01 20 41-0013 | EA | 4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 56.46 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0014 | EA | 4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 61.13 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0015 | EA | 4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 169.39 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0016 | EA | 6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 56.46 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0017 | EA | 6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 61.13 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0018 | EA | 6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 66.44 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0019 | EA | 6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 76.41 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0020 | EA | 6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 169.39 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |


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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 04 01 20 41-0021 | | 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)* | | | |
| 04 01 20 41-0022 | EA | 4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 59.01 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0023 | EA | 4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 64.52 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0024 | EA | 4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 190.56 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0025 | EA | 6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 59.01 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0026 | EA | 6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 64.52 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0027 | EA | 6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 70.67 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0028 | EA | 6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 82.34 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0029 | EA | 6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) | | 190.56 | |
| | | *For Up To 10, Add* | | *39.18* | |
| | | *For >10 To 50, Add* | | *19.59* | |
| 04 01 20 41-0030 | | Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0001)* | | | |
| | | Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface. | | | |
| 04 01 20 41-0031 | | 304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)* | | | |
| 04 01 20 41-0032 | EA | 4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | | 10.41 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0033 | EA | 5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | | 11.24 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0034 | EA | 6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | | 12.08 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0035 | EA | 7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | | 12.92 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0036 | EA | 8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | | 13.75 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0037 | EA | 9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | | 14.59 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0038 | EA | 4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | | 10.41 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0039 | EA | 5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | | 11.24 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0040 | EA | 6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | | 12.08 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0041 | EA | 7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | | 12.92 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0042 | EA | 8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | | 13.75 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0043 | EA | 10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | | 15.43 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0044 | EA | 4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) | | 10.41 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0045 | EA | 6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) | | 12.08 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |
| 04 01 20 41-0046 | EA | 8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) | | 13.33 | |
| | | *For Up To 10, Add* | | *5.88* | |
| | | *For >10 To 50, Add* | | *2.94* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 01 20 41-0047 | | 316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)* | | |
| 04 01 20 41-0048 | EA | 4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | 10.41 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0049 | EA | 5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | 11.24 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0050 | EA | 6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | 12.08 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0051 | EA | 7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | 12.92 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0052 | EA | 8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | 13.75 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0053 | EA | 9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | 14.59 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0054 | EA | 4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | 10.41 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0055 | EA | 5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | 11.24 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0056 | EA | 6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | 12.08 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0057 | EA | 7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | 12.92 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0058 | EA | 8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | 13.75 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0059 | EA | 10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) | 15.43 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0060 | EA | 4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) | 10.41 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0061 | EA | 6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) | 12.08 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0062 | EA | 8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) | 13.33 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0063 | | Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0001)* | | |
| | | Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface. | | |
| 04 01 20 41-0064 | | 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)* | | |
| 04 01 20 41-0065 | EA | 8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 8.44 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0066 | EA | 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 8.74 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0067 | EA | 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 8.80 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0068 | EA | 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 8.92 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 01 20 41-0069 | EA | 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.14 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0070 | EA | 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.33 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0071 | EA | 8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.42 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0072 | EA | 8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.54 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0073 | EA | 8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.07 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0074 | EA | 8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.15 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0075 | EA | 8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.79 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0076 | EA | 8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 11.33 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0077 | EA | 8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 11.80 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0078 | EA | 8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 13.44 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0079 | EA | 8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 14.90 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0080 | EA | 8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 16.84 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0081 | EA | 10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 8.54 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0082 | EA | 10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 8.87 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0083 | EA | 10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.16 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0084 | EA | 10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.42 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0085 | EA | 10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.59 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 01 20 41-0086 | EA | 10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.70 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0087 | EA | 10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.90 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0088 | EA | 10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.98 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0089 | EA | 10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.35 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0090 | EA | 10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.90 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0091 | EA | 10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 11.35 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0092 | EA | 10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 11.92 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0093 | EA | 10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 14.99 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0094 | EA | 10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 16.72 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0095 | EA | 10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 19.39 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0096 | EA | 8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 9.25 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0097 | EA | 8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 9.44 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0098 | EA | 8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 9.56 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0099 | EA | 8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 9.66 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0100 | EA | 8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 9.92 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0101 | EA | 8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.35 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0102 | EA | 8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.51 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 01 20 41-0103 | EA | 8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.93 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0104 | EA | 10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 9.74 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0105 | EA | 10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.11 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0106 | EA | 10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.37 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0107 | EA | 10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.54 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0108 | EA | 10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.66 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0109 | EA | 10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.93 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0110 | EA | 304 Stainless Steel, Seismic Connector (Helifix® DryFix®)<br>Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire. | 4.45 | |
| | | *For Up To 10, Add* | *2.94* | |
| | | *For >10 To 50, Add* | *1.47* | |

## 04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

| | | | | |
|---|---|---|---|---|
| 04 01 20 41-0112 | EA | 8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 8.92 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0113 | EA | 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.29 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0114 | EA | 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.37 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0115 | EA | 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.52 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0116 | EA | 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.79 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0117 | EA | 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.02 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0118 | EA | 8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.14 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0119 | EA | 8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.29 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 01 20 41-0120 | EA | 8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.84 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0121 | EA | 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.94 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0122 | EA | 8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 11.74 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0123 | EA | 8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 12.42 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0124 | EA | 8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 13.01 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0125 | EA | 8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 15.05 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0126 | EA | 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 16.72 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0127 | EA | 8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 19.14 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0128 | EA | 10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.11 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0129 | EA | 10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.48 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0130 | EA | 10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 9.85 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0131 | EA | 10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.17 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0132 | EA | 10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.38 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0133 | EA | 10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.52 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0134 | EA | 10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.77 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0135 | EA | 10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 10.87 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0136 | EA | 10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 11.31 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 01 20 41-0137 | EA | 10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 11.92 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0138 | EA | 10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 12.48 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0139 | EA | 10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 13.19 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0140 | EA | 10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 17.04 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0141 | EA | 10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 18.88 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0142 | EA | 10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) | 22.22 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0143 | EA | 8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.01 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0144 | EA | 8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.22 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0145 | EA | 8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.37 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0146 | EA | 8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.48 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0147 | EA | 8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.82 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0148 | EA | 8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 11.35 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0149 | EA | 8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 11.53 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0150 | EA | 8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 12.05 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0151 | EA | 10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 10.55 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0152 | EA | 10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 11.01 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0153 | EA | 10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 11.33 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 01 20 41-0154 | EA | 10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 11.54 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0155 | EA | 10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 11.68 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0156 | EA | 10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) | 12.03 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| | | *For Metal Stud Clip, Add* | *2.28* | |
| 04 01 20 41-0157 | EA | 316 Stainless Steel, Seismic Connector (Helifix® DryFix®) | 4.82 | |
| | | Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire. | | |
| | | *For Up To 10, Add* | *2.94* | |
| | | *For >10 To 50, Add* | *1.47* | |
| 04 01 20 41-0158 | | Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0001)* | | |
| | | Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar. | | |
| 04 01 20 41-0159 | | 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)* | | |
| 04 01 20 41-0160 | EA | 8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) | 7.27 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0161 | EA | 8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) | 7.32 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0162 | | 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)* | | |
| 04 01 20 41-0163 | EA | 8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) | 7.53 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0164 | EA | 8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) | 7.59 | |
| | | *For Up To 10, Add* | *5.88* | |
| | | *For >10 To 50, Add* | *2.94* | |
| 04 01 20 41-0165 | | Movement Joint Ties (Helifix® Movement Joint Tie *(04 01 20 41-0001)* | | |
| | | Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. | | |
| 04 01 20 41-0166 | | 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)* | | |
| 04 01 20 41-0167 | EA | 6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) | 47.14 | |
| | | *For Up To 10, Add* | *39.18* | |
| | | *For >10 To 50, Add* | *19.59* | |
| 04 01 20 41-0168 | | 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)* | | |
| 04 01 20 41-0169 | EA | 6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) | 48.32 | |
| | | *For Up To 10, Add* | *39.18* | |
| | | *For >10 To 50, Add* | *19.59* | |
| 04 01 20 41-0170 | | Unit Masonry Stabilization *(04 01 20 41)* | | |
| 04 01 20 41-0171 | | Repair Bulging Or Loose Masonry *(04 01 20 41-0170)* | | |
| 04 01 20 41-0172 | SF | Repair Bulging Or Loose Masonry Using Existing Masonry | 86.66 | |
| | | Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar. | | |
| 04 01 20 41-0173 | SF | Repair Bulging Or Loose Masonry Using New Masonry | 92.44 | |
| | | Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar. | | |
| **04 01 20 51** | | **Unit Masonry Maintenance** *(04 01 20)* | | |
| 04 01 20 51-0001 | | Repair Masonry *(04 01 20 51)* | | |
| | | Note: Includes mortar for repair. | | |
| 04 01 20 51-0002 | SF | Patch And Repair Terra Cotta Walls Or Coping | 20.83 | |
| | | Note: Including Replacement Of Damaged Material | | |
| 04 01 20 51-0003 | SF | Patch And Repair Terra Cotta Floors | 19.41 | |
| | | Note: Including Replacement Of Damaged Material | | |
| 04 01 20 51-0004 | LF | Chip And Repair With Masonry Patch, Cracks Up To 1/4" | 4.55 | |
| 04 01 20 51-0005 | SF | Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade | 8.05 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 01 20 51-0006 | EA | Cutout Individual Damaged Brick And Replace With New Brick | 14.76 | |
| 04 01 20 51-0007 | LF | Pressure Grout Block/Brick Using LA City RGA Rule Of General Application 1-91 (Portland Cement Base) | 429.87 | |
| 04 01 20 51-0008 | LF | Pressure Grout Block/Brick Master Builders RHEOCEM 900 (Portland Cement Base) | 122.64 | |
| 04 01 20 51-0009 | LF | Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570) | 37.30 | |
| | | *For Cracks Accessible From Both Sides, Add* | *7.58* | |
| 04 01 20 51-0010 | LF | Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52) | 33.01 | |
| | | *For Cracks Accessible From Both Sides, Add* | *7.58* | |
| 04 01 20 51-0011 | LF | Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52) | 9.11 | |
| | | *For V-Grooving Crack With Grinder, Add* | *6.56* | |
| 04 01 20 51-0012 | LF | >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52) | 12.26 | |
| | | *For V-Grooving Crack With Grinder, Add* | *6.23* | |
| 04 01 20 51-0013 | | Grind Unit Masonry *(04 01 20 51)* | | |
| 04 01 20 51-0014 | SF | Grind Smooth Masonry Wall | 4.05 | |

### 04 01 20 52 Unit Masonry Cleaning *(04 01 20)*

### 04 01 20 91 Unit Masonry Restoration *(04 01 20)*

See CSI section 03 01 30 71-0110 for crack repair.

04 01 20 91-0001 Cut And Repoint Masonry *(04 01 20 91)*

Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.

| | | | | |
|---|---|---|---|---|
| 04 01 20 91-0002 | SF | Cut And Repoint, Hard Mortar, Running Bond, Brick | 9.91 | |
| | | *For Common Bond, Add* | *0.37* | |
| | | *For Flemish Bond, Add* | *1.29* | |
| | | *For English Bond, Add* | *2.11* | |
| | | *For Oversized Or Larger Than Standard, Deduct* | *-1.49* | |
| | | *For Historical Restoration, Add* | *1.84* | |
| | | *For >250 To 1,000, Deduct* | *-0.46* | |
| | | *For >1,000, Deduct* | *-0.95* | |
| 04 01 20 91-0003 | SF | Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick | 6.96 | |
| | | *For Common Bond, Add* | *0.25* | |
| | | *For Flemish Bond, Add* | *0.87* | |
| | | *For English Bond, Add* | *1.43* | |
| | | *For Oversized Or Larger Than Standard, Deduct* | *-1.04* | |
| | | *For Historical Restoration, Add* | *1.25* | |
| | | *For >250 To 1,000, Deduct* | *-0.31* | |
| | | *For >1,000, Deduct* | *-0.66* | |
| 04 01 20 91-0004 | SF | Cut And Repoint, Hard Mortar, Running Bond, Concrete Block | 5.38 | |
| | | *For Common Bond, Add* | *0.19* | |
| | | *For Oversized Or Larger Than Standard, Deduct* | *-0.81* | |
| | | *For Historical Restoration, Add* | *0.93* | |
| | | *For >250 To 1,000, Deduct* | *-0.23* | |
| | | *For >1,000, Deduct* | *-0.50* | |
| 04 01 20 91-0005 | SF | Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block | 3.90 | |
| | | *For Common Bond, Add* | *0.13* | |
| | | *For Oversized Or Larger Than Standard, Deduct* | *-0.59* | |
| | | *For Historical Restoration, Add* | *0.63* | |
| | | *For >250 To 1,000, Deduct* | *-0.16* | |
| | | *For >1,000, Deduct* | *-0.35* | |
| 04 01 20 91-0006 | LF | Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area | 3.30 | |

## 04 01 50 Maintenance of Refractory Masonry *(04 01)*

### 04 01 50 52 Refractory Masonry Cleaning *(04 01 50)*

04 01 50 52-0001 Chimney Cleaning *(04 01 50 52)*

| | | | | |
|---|---|---|---|---|
| 04 01 50 52-0002 | LF | Up To 2 SF Cross Section Chimney Cleaning | 7.98 | |
| 04 01 50 52-0003 | LF | >2 To 4 SF Cross Section Chimney Cleaning | 15.94 | |
| 04 01 50 52-0004 | LF | >4 SF Cross Section Chimney Cleaning | 23.91 | |

# 04 05 Common Work Results for Masonry *(04)*

## 04 05 13 Masonry Mortaring *(04 05)*

### 04 05 13 26 Engineered Masonry Mortaring *(04 05 13)*

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Masonry Cement Mortar *(04 05 13 26)*

Note: Ratio is bag material to sand.

| | | | | |
|---|---|---|---|---|
| 04 05 13 26-0002 | CF | Type M Masonry Cement 1:1:6 Mix | 8.80 | |
| 04 05 13 26-0003 | CF | Type N Masonry Cement 1:3 Mix | 8.12 | |
| 04 05 13 26-0004 | CF | Type O Masonry Cement 1:3 Mix | 8.34 | |
| 04 05 13 26-0005 | CF | Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI | 9.12 | |
| 04 05 13 26-0006 | CF | Type S Masonry Cement 1/2:1:4 Mix | 9.62 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

04 05 13 26-0007 Mortar Admixture *(04 05 13 26)*

| | | | |
|---|---|---|---|
| 04 05 13 26-0008 | CF | Water - Repellent Stearate - Cost Based On CF Of Mortar | 0.44 |
| 04 05 13 26-0009 | CF | Pozzolanic Plasticizers - Cost Based On CF Of Mortar | 0.08 |

04 05 13 26-0010 Color Admixtures For Mortar *(04 05 13 26)*

Note: Costs are based on CF of mortar.

| | | | |
|---|---|---|---|
| 04 05 13 26-0011 | CF | Buff Colored Admixture | 2.81 |
| 04 05 13 26-0012 | CF | Brown Colored Admixture | 3.19 |
| 04 05 13 26-0013 | CF | Black Colored Admixture | 3.95 |
| 04 05 13 26-0014 | CF | Red Colored Admixture | 8.64 |

04 05 13 26-0015 Portland Cement *(04 05 13 26)*

| | | | |
|---|---|---|---|
| 04 05 13 26-0016 | CF | Normal Portland Cement (Type I) | 14.97 |
| 04 05 13 26-0017 | CF | Modified Portland Cement (Type II) | 7.46 |
| 04 05 13 26-0018 | CF | High Early Strength Portland Cement (Type III) | 7.92 |
| 04 05 13 26-0019 | CF | White Non-Staining Portland Cement (Type I) | 16.59 |

## 04 05 16 Masonry Grouting *(04 05)*

### 04 05 16 26 Engineered Masonry Grouting *(04 05 16)*

Note: Excludes reinforcement.

04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill *(04 05 16 26)*

Note: Excludes block.

| | | | |
|---|---|---|---|
| 04 05 16 26-0002 | LF | Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep | 4.54 |
| 04 05 16 26-0003 | LF | Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep | 4.96 |
| 04 05 16 26-0004 | LF | Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep | 5.55 |
| 04 05 16 26-0005 | LF | Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep | 6.21 |

04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill *(04 05 16 26)*

Note: Per SF of face area filled.

| | | | |
|---|---|---|---|
| 04 05 16 26-0007 | SF | Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF) | 3.51 |
| 04 05 16 26-0008 | SF | Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF) | 5.14 |
| 04 05 16 26-0009 | SF | Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF) | 7.34 |
| 04 05 16 26-0010 | SF | Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF) | 9.02 |
| 04 05 16 26-0011 | SF | Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF) | 10.67 |

04 05 16 26-0012 Grout Cavity Walls, Grout Fill *(04 05 16 26)*

Note: Per SF of face area filled.

| | | | |
|---|---|---|---|
| 04 05 16 26-0013 | SF | Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF) | 4.17 |
| 04 05 16 26-0014 | SF | Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF) | 5.89 |
| 04 05 16 26-0015 | SF | Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF) | 7.40 |
| 04 05 16 26-0016 | SF | Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF) | 10.06 |

04 05 16 26-0017 Grout Frames, Grout Fill *(04 05 16 26)*

| | | | |
|---|---|---|---|
| 04 05 16 26-0018 | LF | Grout Door Frames - Grout Fill | 6.66 |
| 04 05 16 26-0019 | LF | Grout Window Frames - Grout Fill | 5.72 |

04 05 16 26-0020 Sand Filled Walls *(04 05 16 26)*

04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill *(04 05 16 26-0020)*

Note: Per SF of face area filled.

| | | | |
|---|---|---|---|
| 04 05 16 26-0022 | SF | Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF) | 3.37 |
| 04 05 16 26-0023 | SF | Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF) | 4.65 |
| 04 05 16 26-0024 | SF | Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF) | 5.72 |
| 04 05 16 26-0025 | SF | Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF) | 7.61 |

## 04 05 19 Masonry Anchorage and Reinforcing *(04 05)*

### 04 05 19 13 Continuous Joint Reinforcing *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 13-0001 Continuous Joint Reinforcing *(04 05 19 13)*

04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0005 | CLF | #4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 63.01 | |
| | | *For Hot-Dipped Galvanized, Add* | *12.32* | |
| | | *For Stainless Steel, Add* | *49.26* | |
| 04 05 19 13-0006 | CLF | #6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 66.87 | |
| | | *For Hot-Dipped Galvanized, Add* | *12.94* | |
| | | *For Stainless Steel, Add* | *51.74* | |
| 04 05 19 13-0007 | CLF | #8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 72.00 | |
| | | *For Hot-Dipped Galvanized, Add* | *13.64* | |
| | | *For Stainless Steel, Add* | *54.54* | |
| 04 05 19 13-0008 | CLF | #10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 78.06 | |
| | | *For Hot-Dipped Galvanized, Add* | *14.43* | |
| | | *For Stainless Steel, Add* | *57.70* | |
| 04 05 19 13-0009 | CLF | #12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 85.08 | |
| | | *For Hot-Dipped Galvanized, Add* | *15.20* | |
| | | *For Stainless Steel, Add* | *60.80* | |
| 04 05 19 13-0010 | CLF | #13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 90.20 | |
| | | *For Hot-Dipped Galvanized, Add* | *15.58* | |
| | | *For Stainless Steel, Add* | *62.30* | |
| 04 05 19 13-0011 | CLF | #14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 94.01 | |
| | | *For Hot-Dipped Galvanized, Add* | *16.01* | |
| | | *For Stainless Steel, Add* | *64.04* | |
| 04 05 19 13-0012 | CLF | #16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 109.94 | |
| | | *For Hot-Dipped Galvanized, Add* | *22.01* | |
| | | *For Stainless Steel, Add* | *88.02* | |
| 04 05 19 13-0013 | CLF | #18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 137.91 | |
| | | *For Hot-Dipped Galvanized, Add* | *34.02* | |
| | | *For Stainless Steel, Add* | *136.08* | |
| **04 05 19 13-0014** | | **Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement** *(04 05 19 13-0003)* | | |
| 04 05 19 13-0015 | CLF | #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 76.66 | |
| | | *For Hot-Dipped Galvanized, Add* | *19.14* | |
| | | *For Stainless Steel, Add* | *76.56* | |
| 04 05 19 13-0016 | CLF | #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 80.68 | |
| | | *For Hot-Dipped Galvanized, Add* | *19.84* | |
| | | *For Stainless Steel, Add* | *79.36* | |
| 04 05 19 13-0017 | CLF | #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 85.95 | |
| | | *For Hot-Dipped Galvanized, Add* | *20.61* | |
| | | *For Stainless Steel, Add* | *82.44* | |
| 04 05 19 13-0018 | CLF | #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 91.87 | |
| | | *For Hot-Dipped Galvanized, Add* | *21.33* | |
| | | *For Stainless Steel, Add* | *85.32* | |
| 04 05 19 13-0019 | CLF | #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 98.85 | |
| | | *For Hot-Dipped Galvanized, Add* | *22.09* | |
| | | *For Stainless Steel, Add* | *88.34* | |
| 04 05 19 13-0020 | CLF | #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 104.03 | |
| | | *For Hot-Dipped Galvanized, Add* | *22.50* | |
| | | *For Stainless Steel, Add* | *90.00* | |
| 04 05 19 13-0021 | CLF | #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 107.75 | |
| | | *For Hot-Dipped Galvanized, Add* | *22.88* | |
| | | *For Stainless Steel, Add* | *91.50* | |
| 04 05 19 13-0022 | CLF | #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 128.10 | |
| | | *For Hot-Dipped Galvanized, Add* | *31.09* | |
| | | *For Stainless Steel, Add* | *124.34* | |
| 04 05 19 13-0023 | CLF | #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 169.05 | |
| | | *For Hot-Dipped Galvanized, Add* | *49.60* | |
| | | *For Stainless Steel, Add* | *198.38* | |
| **04 05 19 13-0024** | | **Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement** *(04 05 19 13-0003)* | | |
| 04 05 19 13-0025 | CLF | #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 89.90 | |
| | | *For Hot-Dipped Galvanized, Add* | *25.76* | |
| | | *For Stainless Steel, Add* | *103.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0026 | CLF | #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 95.69 | |
| | | *For Hot-Dipped Galvanized, Add* | *27.18* | |
| | | *For Stainless Steel, Add* | *108.70* | |
| 04 05 19 13-0027 | CLF | #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 101.47 | |
| | | *For Hot-Dipped Galvanized, Add* | *28.59* | |
| | | *For Stainless Steel, Add* | *114.36* | |
| 04 05 19 13-0028 | CLF | #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 109.78 | |
| | | *For Hot-Dipped Galvanized, Add* | *30.29* | |
| | | *For Stainless Steel, Add* | *121.14* | |
| 04 05 19 13-0029 | CLF | #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 118.06 | |
| | | *For Hot-Dipped Galvanized, Add* | *31.97* | |
| | | *For Stainless Steel, Add* | *127.86* | |
| 04 05 19 13-0030 | CLF | #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 124.79 | |
| | | *For Hot-Dipped Galvanized, Add* | *32.87* | |
| | | *For Stainless Steel, Add* | *131.48* | |
| 04 05 19 13-0031 | CLF | #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 128.80 | |
| | | *For Hot-Dipped Galvanized, Add* | *33.65* | |
| | | *For Stainless Steel, Add* | *134.58* | |
| 04 05 19 13-0032 | CLF | #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 136.32 | |
| | | *For Hot-Dipped Galvanized, Add* | *35.19* | |
| | | *For Stainless Steel, Add* | *140.76* | |
| 04 05 19 13-0033 | CLF | #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 186.80 | |
| | | *For Hot-Dipped Galvanized, Add* | *58.46* | |
| | | *For Stainless Steel, Add* | *233.84* | |

## 04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0035 | CLF | #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 94.45 | |
| | | *For Hot-Dipped Galvanized, Add* | *28.04* | |
| | | *For Stainless Steel, Add* | *112.14* | |
| 04 05 19 13-0036 | CLF | #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 98.30 | |
| | | *For Hot-Dipped Galvanized, Add* | *28.65* | |
| | | *For Stainless Steel, Add* | *114.58* | |
| 04 05 19 13-0037 | CLF | #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 103.42 | |
| | | *For Hot-Dipped Galvanized, Add* | *29.35* | |
| | | *For Stainless Steel, Add* | *117.38* | |
| 04 05 19 13-0038 | CLF | #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 109.48 | |
| | | *For Hot-Dipped Galvanized, Add* | *30.14* | |
| | | *For Stainless Steel, Add* | *120.54* | |
| 04 05 19 13-0039 | CLF | #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 116.50 | |
| | | *For Hot-Dipped Galvanized, Add* | *30.91* | |
| | | *For Stainless Steel, Add* | *123.64* | |
| 04 05 19 13-0040 | CLF | #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 121.62 | |
| | | *For Hot-Dipped Galvanized, Add* | *31.29* | |
| | | *For Stainless Steel, Add* | *125.14* | |
| 04 05 19 13-0041 | CLF | #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 125.42 | |
| | | *For Hot-Dipped Galvanized, Add* | *31.72* | |
| | | *For Stainless Steel, Add* | *126.86* | |
| 04 05 19 13-0042 | CLF | #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 141.37 | |
| | | *For Hot-Dipped Galvanized, Add* | *37.72* | |
| | | *For Stainless Steel, Add* | *150.86* | |

## 04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0044 | CLF | #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 108.10 | |
| | | *For Hot-Dipped Galvanized, Add* | *34.86* | |
| | | *For Stainless Steel, Add* | *139.44* | |
| 04 05 19 13-0045 | CLF | #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 112.13 | |
| | | *For Hot-Dipped Galvanized, Add* | *35.56* | |
| | | *For Stainless Steel, Add* | *142.24* | |
| 04 05 19 13-0046 | CLF | #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 117.40 | |
| | | *For Hot-Dipped Galvanized, Add* | *36.34* | |
| | | *For Stainless Steel, Add* | *145.34* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0047 | CLF | #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 123.31 | |
| | | *For Hot-Dipped Galvanized, Add* | *37.05* | |
| | | *For Stainless Steel, Add* | *148.20* | |
| 04 05 19 13-0048 | CLF | #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 130.29 | |
| | | *For Hot-Dipped Galvanized, Add* | *37.81* | |
| | | *For Stainless Steel, Add* | *151.22* | |
| 04 05 19 13-0049 | CLF | #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 135.47 | |
| | | *For Hot-Dipped Galvanized, Add* | *38.22* | |
| | | *For Stainless Steel, Add* | *152.88* | |
| 04 05 19 13-0050 | CLF | #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 139.19 | |
| | | *For Hot-Dipped Galvanized, Add* | *38.60* | |
| | | *For Stainless Steel, Add* | *154.38* | |
| 04 05 19 13-0051 | CLF | #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 159.54 | |
| | | *For Hot-Dipped Galvanized, Add* | *46.81* | |
| | | *For Stainless Steel, Add* | *187.22* | |
| 04 05 19 13-0052 | CLF | #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 200.50 | |
| | | *For Hot-Dipped Galvanized, Add* | *65.32* | |
| | | *For Stainless Steel, Add* | *261.28* | |

## 04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0054 | CLF | #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 121.32 | |
| | | *For Hot-Dipped Galvanized, Add* | *41.47* | |
| | | *For Stainless Steel, Add* | *165.88* | |
| 04 05 19 13-0055 | CLF | #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 127.12 | |
| | | *For Hot-Dipped Galvanized, Add* | *42.89* | |
| | | *For Stainless Steel, Add* | *171.56* | |
| 04 05 19 13-0056 | CLF | #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 132.90 | |
| | | *For Hot-Dipped Galvanized, Add* | *44.31* | |
| | | *For Stainless Steel, Add* | *177.22* | |
| 04 05 19 13-0057 | CLF | #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 141.20 | |
| | | *For Hot-Dipped Galvanized, Add* | *46.00* | |
| | | *For Stainless Steel, Add* | *183.98* | |
| 04 05 19 13-0058 | CLF | #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 149.50 | |
| | | *For Hot-Dipped Galvanized, Add* | *47.69* | |
| | | *For Stainless Steel, Add* | *190.74* | |
| 04 05 19 13-0059 | CLF | #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 156.21 | |
| | | *For Hot-Dipped Galvanized, Add* | *48.58* | |
| | | *For Stainless Steel, Add* | *194.32* | |
| 04 05 19 13-0060 | CLF | #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 160.22 | |
| | | *For Hot-Dipped Galvanized, Add* | *49.36* | |
| | | *For Stainless Steel, Add* | *197.42* | |
| 04 05 19 13-0061 | CLF | #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 167.74 | |
| | | *For Hot-Dipped Galvanized, Add* | *50.90* | |
| | | *For Stainless Steel, Add* | *203.60* | |
| 04 05 19 13-0062 | CLF | #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 218.23 | |
| | | *For Hot-Dipped Galvanized, Add* | *74.18* | |
| | | *For Stainless Steel, Add* | *296.70* | |

## 04 05 19 13-0063 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0064 | CLF | #4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 125.88 | |
| | | *For Hot-Dipped Galvanized, Add* | *43.75* | |
| | | *For Stainless Steel, Add* | *175.00* | |
| 04 05 19 13-0065 | CLF | #6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 129.73 | |
| | | *For Hot-Dipped Galvanized, Add* | *44.36* | |
| | | *For Stainless Steel, Add* | *177.44* | |
| 04 05 19 13-0066 | CLF | #8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 134.85 | |
| | | *For Hot-Dipped Galvanized, Add* | *45.06* | |
| | | *For Stainless Steel, Add* | *180.24* | |
| 04 05 19 13-0067 | CLF | #10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 140.91 | |
| | | *For Hot-Dipped Galvanized, Add* | *45.85* | |
| | | *For Stainless Steel, Add* | *183.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0068 | CLF | #12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 147.93 | |
| | | *For Hot-Dipped Galvanized, Add* | *46.63* | |
| | | *For Stainless Steel, Add* | *186.50* | |
| 04 05 19 13-0069 | CLF | #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 153.05 | |
| | | *For Hot-Dipped Galvanized, Add* | *47.00* | |
| | | *For Stainless Steel, Add* | *188.00* | |
| 04 05 19 13-0070 | CLF | #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 156.85 | |
| | | *For Hot-Dipped Galvanized, Add* | *47.43* | |
| | | *For Stainless Steel, Add* | *189.72* | |
| 04 05 19 13-0071 | CLF | #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 172.80 | |
| | | *For Hot-Dipped Galvanized, Add* | *53.43* | |
| | | *For Stainless Steel, Add* | *213.72* | |
| 04 05 19 13-0072 | CLF | #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 200.76 | |
| | | *For Hot-Dipped Galvanized, Add* | *65.45* | |
| | | *For Stainless Steel, Add* | *261.78* | |

## 04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0074 | CLF | #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 139.53 | |
| | | *For Hot-Dipped Galvanized, Add* | *50.58* | |
| | | *For Stainless Steel, Add* | *202.30* | |
| 04 05 19 13-0075 | CLF | #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 143.56 | |
| | | *For Hot-Dipped Galvanized, Add* | *51.28* | |
| | | *For Stainless Steel, Add* | *205.10* | |
| 04 05 19 13-0076 | CLF | #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 148.83 | |
| | | *For Hot-Dipped Galvanized, Add* | *52.05* | |
| | | *For Stainless Steel, Add* | *208.20* | |
| 04 05 19 13-0077 | CLF | #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 154.74 | |
| | | *For Hot-Dipped Galvanized, Add* | *52.77* | |
| | | *For Stainless Steel, Add* | *211.06* | |
| 04 05 19 13-0078 | CLF | #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 161.72 | |
| | | *For Hot-Dipped Galvanized, Add* | *53.52* | |
| | | *For Stainless Steel, Add* | *214.08* | |
| 04 05 19 13-0079 | CLF | #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 166.90 | |
| | | *For Hot-Dipped Galvanized, Add* | *53.94* | |
| | | *For Stainless Steel, Add* | *215.74* | |
| 04 05 19 13-0080 | CLF | #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 170.62 | |
| | | *For Hot-Dipped Galvanized, Add* | *54.31* | |
| | | *For Stainless Steel, Add* | *217.24* | |
| 04 05 19 13-0081 | CLF | #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 190.97 | |
| | | *For Hot-Dipped Galvanized, Add* | *62.52* | |
| | | *For Stainless Steel, Add* | *250.08* | |
| 04 05 19 13-0082 | CLF | #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 231.93 | |
| | | *For Hot-Dipped Galvanized, Add* | *81.04* | |
| | | *For Stainless Steel, Add* | *324.14* | |

## 04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0084 | CLF | #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 152.75 | |
| | | *For Hot-Dipped Galvanized, Add* | *57.19* | |
| | | *For Stainless Steel, Add* | *228.74* | |
| 04 05 19 13-0085 | CLF | #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 158.55 | |
| | | *For Hot-Dipped Galvanized, Add* | *58.61* | |
| | | *For Stainless Steel, Add* | *234.42* | |
| 04 05 19 13-0086 | CLF | #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 164.33 | |
| | | *For Hot-Dipped Galvanized, Add* | *60.02* | |
| | | *For Stainless Steel, Add* | *240.08* | |
| 04 05 19 13-0087 | CLF | #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 172.63 | |
| | | *For Hot-Dipped Galvanized, Add* | *61.71* | |
| | | *For Stainless Steel, Add* | *246.84* | |
| 04 05 19 13-0088 | CLF | #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 180.93 | |
| | | *For Hot-Dipped Galvanized, Add* | *63.40* | |
| | | *For Stainless Steel, Add* | *253.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0089 | CLF | #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 187.64 | |
| | | *For Hot-Dipped Galvanized, Add* | *64.30* | |
| | | *For Stainless Steel, Add* | *257.18* | |
| 04 05 19 13-0090 | CLF | #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 191.65 | |
| | | *For Hot-Dipped Galvanized, Add* | *65.07* | |
| | | *For Stainless Steel, Add* | *260.28* | |
| 04 05 19 13-0091 | CLF | #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 199.17 | |
| | | *For Hot-Dipped Galvanized, Add* | *66.62* | |
| | | *For Stainless Steel, Add* | *266.46* | |
| 04 05 19 13-0092 | CLF | #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement | 249.66 | |
| | | *For Hot-Dipped Galvanized, Add* | *89.89* | |
| | | *For Stainless Steel, Add* | *359.56* | |

### 04 05 19 13-0093 Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0002)*

### 04 05 19 13-0094 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0095 | CLF | #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 91.69 | |
| | | *For Hot-Dipped Galvanized, Add* | *20.93* | |
| | | *For Stainless Steel, Add* | *83.72* | |
| 04 05 19 13-0096 | CLF | #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 101.07 | |
| | | *For Hot-Dipped Galvanized, Add* | *22.86* | |
| | | *For Stainless Steel, Add* | *91.42* | |
| 04 05 19 13-0097 | CLF | #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 110.01 | |
| | | *For Hot-Dipped Galvanized, Add* | *24.56* | |
| | | *For Stainless Steel, Add* | *98.22* | |
| 04 05 19 13-0098 | CLF | #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 117.50 | |
| | | *For Hot-Dipped Galvanized, Add* | *25.54* | |
| | | *For Stainless Steel, Add* | *102.14* | |
| 04 05 19 13-0099 | CLF | #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 122.08 | |
| | | *For Hot-Dipped Galvanized, Add* | *26.44* | |
| | | *For Stainless Steel, Add* | *105.76* | |
| 04 05 19 13-0100 | CLF | #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 131.09 | |
| | | *For Hot-Dipped Galvanized, Add* | *28.46* | |
| | | *For Stainless Steel, Add* | *113.82* | |
| 04 05 19 13-0101 | CLF | #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 138.84 | |
| | | *For Hot-Dipped Galvanized, Add* | *30.12* | |
| | | *For Stainless Steel, Add* | *120.46* | |

### 04 05 19 13-0102 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0103 | CLF | #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 108.70 | |
| | | *For Hot-Dipped Galvanized, Add* | *29.44* | |
| | | *For Stainless Steel, Add* | *117.74* | |
| 04 05 19 13-0104 | CLF | #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 118.12 | |
| | | *For Hot-Dipped Galvanized, Add* | *31.38* | |
| | | *For Stainless Steel, Add* | *125.52* | |
| 04 05 19 13-0105 | CLF | #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 126.87 | |
| | | *For Hot-Dipped Galvanized, Add* | *32.99* | |
| | | *For Stainless Steel, Add* | *131.94* | |
| 04 05 19 13-0106 | CLF | #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 134.55 | |
| | | *For Hot-Dipped Galvanized, Add* | *34.06* | |
| | | *For Stainless Steel, Add* | *136.24* | |
| 04 05 19 13-0107 | CLF | #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 139.09 | |
| | | *For Hot-Dipped Galvanized, Add* | *34.95* | |
| | | *For Stainless Steel, Add* | *139.78* | |
| 04 05 19 13-0108 | CLF | #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 148.10 | |
| | | *For Hot-Dipped Galvanized, Add* | *36.96* | |
| | | *For Stainless Steel, Add* | *147.84* | |
| 04 05 19 13-0109 | CLF | #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 156.08 | |
| | | *For Hot-Dipped Galvanized, Add* | *38.74* | |
| | | *For Stainless Steel, Add* | *154.94* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0111 | CLF | #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 116.96 | |
| | | *For Hot-Dipped Galvanized, Add* | *33.57* | |
| | | *For Stainless Steel, Add* | *134.26* | |
| 04 05 19 13-0112 | CLF | #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 128.34 | |
| | | *For Hot-Dipped Galvanized, Add* | *36.49* | |
| | | *For Stainless Steel, Add* | *145.96* | |
| 04 05 19 13-0113 | CLF | #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 139.61 | |
| | | *For Hot-Dipped Galvanized, Add* | *39.36* | |
| | | *For Stainless Steel, Add* | *157.42* | |
| 04 05 19 13-0114 | CLF | #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 148.20 | |
| | | *For Hot-Dipped Galvanized, Add* | *40.89* | |
| | | *For Stainless Steel, Add* | *163.54* | |
| 04 05 19 13-0115 | CLF | #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 153.76 | |
| | | *For Hot-Dipped Galvanized, Add* | *42.28* | |
| | | *For Stainless Steel, Add* | *169.12* | |
| 04 05 19 13-0116 | CLF | #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 164.70 | |
| | | *For Hot-Dipped Galvanized, Add* | *45.26* | |
| | | *For Stainless Steel, Add* | *181.04* | |
| 04 05 19 13-0117 | CLF | #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement | 174.97 | |
| | | *For Hot-Dipped Galvanized, Add* | *48.18* | |
| | | *For Stainless Steel, Add* | *192.72* | |

### 04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

### 04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0120 | CLF | #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 137.48 | |
| | | *For Hot-Dipped Galvanized, Add* | *43.83* | |
| | | *For Stainless Steel, Add* | *175.30* | |
| 04 05 19 13-0121 | CLF | #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 145.69 | |
| | | *For Hot-Dipped Galvanized, Add* | *45.17* | |
| | | *For Stainless Steel, Add* | *180.66* | |
| 04 05 19 13-0122 | CLF | #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 153.95 | |
| | | *For Hot-Dipped Galvanized, Add* | *46.53* | |
| | | *For Stainless Steel, Add* | *186.10* | |
| 04 05 19 13-0123 | CLF | #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 165.26 | |
| | | *For Hot-Dipped Galvanized, Add* | *48.03* | |
| | | *For Stainless Steel, Add* | *192.12* | |
| 04 05 19 13-0124 | CLF | #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 173.26 | |
| | | *For Hot-Dipped Galvanized, Add* | *49.54* | |
| | | *For Stainless Steel, Add* | *198.16* | |
| 04 05 19 13-0125 | CLF | #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 182.29 | |
| | | *For Hot-Dipped Galvanized, Add* | *51.84* | |
| | | *For Stainless Steel, Add* | *207.36* | |

### 04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0127 | CLF | #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 164.15 | |
| | | *For Hot-Dipped Galvanized, Add* | *57.16* | |
| | | *For Stainless Steel, Add* | *228.64* | |
| 04 05 19 13-0128 | CLF | #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 172.39 | |
| | | *For Hot-Dipped Galvanized, Add* | *58.52* | |
| | | *For Stainless Steel, Add* | *234.06* | |
| 04 05 19 13-0129 | CLF | #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 180.99 | |
| | | *For Hot-Dipped Galvanized, Add* | *60.05* | |
| | | *For Stainless Steel, Add* | *240.18* | |
| 04 05 19 13-0130 | CLF | #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 191.97 | |
| | | *For Hot-Dipped Galvanized, Add* | *61.39* | |
| | | *For Stainless Steel, Add* | *245.54* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0131 | CLF | #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 200.00 | |
| | | *For Hot-Dipped Galvanized, Add* | *62.91* | |
| | | *For Stainless Steel, Add* | *251.64* | |
| 04 05 19 13-0132 | CLF | #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 207.49 | |
| | | *For Hot-Dipped Galvanized, Add* | *64.44* | |
| | | *For Stainless Steel, Add* | *257.76* | |

## 04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0134 | CLF | #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 166.11 | |
| | | *For Hot-Dipped Galvanized, Add* | *58.14* | |
| | | *For Stainless Steel, Add* | *232.56* | |
| 04 05 19 13-0135 | CLF | #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 175.82 | |
| | | *For Hot-Dipped Galvanized, Add* | *60.23* | |
| | | *For Stainless Steel, Add* | *240.92* | |
| 04 05 19 13-0136 | CLF | #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 185.51 | |
| | | *For Hot-Dipped Galvanized, Add* | *62.31* | |
| | | *For Stainless Steel, Add* | *249.22* | |
| 04 05 19 13-0137 | CLF | #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 198.83 | |
| | | *For Hot-Dipped Galvanized, Add* | *64.82* | |
| | | *For Stainless Steel, Add* | *259.26* | |
| 04 05 19 13-0138 | CLF | #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 208.79 | |
| | | *For Hot-Dipped Galvanized, Add* | *67.31* | |
| | | *For Stainless Steel, Add* | *269.22* | |
| 04 05 19 13-0139 | CLF | #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 218.16 | |
| | | *For Hot-Dipped Galvanized, Add* | *69.78* | |
| | | *For Stainless Steel, Add* | *279.10* | |

## 04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

## 04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0142 | CLF | #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 147.99 | |
| | | *For Hot-Dipped Galvanized, Add* | *46.32* | |
| | | *For Stainless Steel, Add* | *185.26* | |
| 04 05 19 13-0143 | CLF | #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 156.17 | |
| | | *For Hot-Dipped Galvanized, Add* | *47.64* | |
| | | *For Stainless Steel, Add* | *190.54* | |
| 04 05 19 13-0144 | CLF | #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 167.11 | |
| | | *For Hot-Dipped Galvanized, Add* | *48.96* | |
| | | *For Stainless Steel, Add* | *195.82* | |
| 04 05 19 13-0145 | CLF | #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 175.22 | |
| | | *For Hot-Dipped Galvanized, Add* | *50.52* | |
| | | *For Stainless Steel, Add* | *202.08* | |
| 04 05 19 13-0146 | CLF | #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 182.67 | |
| | | *For Hot-Dipped Galvanized, Add* | *52.03* | |
| | | *For Stainless Steel, Add* | *208.12* | |
| 04 05 19 13-0147 | CLF | #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 191.82 | |
| | | *For Hot-Dipped Galvanized, Add* | *55.07* | |
| | | *For Stainless Steel, Add* | *220.26* | |

## 04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0149 | CLF | #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 174.69 | |
| | | *For Hot-Dipped Galvanized, Add* | *59.67* | |
| | | *For Stainless Steel, Add* | *238.66* | |
| 04 05 19 13-0150 | CLF | #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 182.91 | |
| | | *For Hot-Dipped Galvanized, Add* | *61.01* | |
| | | *For Stainless Steel, Add* | *244.02* | |
| 04 05 19 13-0151 | CLF | #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 194.23 | |
| | | *For Hot-Dipped Galvanized, Add* | *62.52* | |
| | | *For Stainless Steel, Add* | *250.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0152 | CLF | #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 201.89 | |
| | | *For Hot-Dipped Galvanized, Add* | *63.86* | |
| | | *For Stainless Steel, Add* | *255.42* | |
| 04 05 19 13-0153 | CLF | #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 209.37 | |
| | | *For Hot-Dipped Galvanized, Add* | *65.38* | |
| | | *For Stainless Steel, Add* | *261.52* | |
| 04 05 19 13-0154 | CLF | #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 218.86 | |
| | | *For Hot-Dipped Galvanized, Add* | *68.59* | |
| | | *For Stainless Steel, Add* | *274.34* | |

## 04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0156 | CLF | #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 176.58 | |
| | | *For Hot-Dipped Galvanized, Add* | *60.61* | |
| | | *For Stainless Steel, Add* | *242.44* | |
| 04 05 19 13-0157 | CLF | #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 186.31 | |
| | | *For Hot-Dipped Galvanized, Add* | *62.71* | |
| | | *For Stainless Steel, Add* | *250.82* | |
| 04 05 19 13-0158 | CLF | #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 198.83 | |
| | | *For Hot-Dipped Galvanized, Add* | *64.82* | |
| | | *For Stainless Steel, Add* | *259.26* | |
| 04 05 19 13-0159 | CLF | #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 208.79 | |
| | | *For Hot-Dipped Galvanized, Add* | *67.31* | |
| | | *For Stainless Steel, Add* | *269.22* | |
| 04 05 19 13-0160 | CLF | #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 218.16 | |
| | | *For Hot-Dipped Galvanized, Add* | *69.78* | |
| | | *For Stainless Steel, Add* | *279.10* | |
| 04 05 19 13-0161 | CLF | #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 228.33 | |
| | | *For Hot-Dipped Galvanized, Add* | *73.32* | |
| | | *For Stainless Steel, Add* | *293.28* | |

## 04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

## 04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0164 | CLF | #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 139.20 | |
| | | *For Hot-Dipped Galvanized, Add* | *41.92* | |
| | | *For Stainless Steel, Add* | *167.68* | |
| | | *For Seismic Hook And Eye, Add* | *18.03* | |
| 04 05 19 13-0165 | CLF | #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 146.93 | |
| | | *For Hot-Dipped Galvanized, Add* | *43.02* | |
| | | *For Stainless Steel, Add* | *172.06* | |
| | | *For Seismic Hook And Eye, Add* | *18.50* | |
| 04 05 19 13-0166 | CLF | #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 157.57 | |
| | | *For Hot-Dipped Galvanized, Add* | *44.19* | |
| | | *For Stainless Steel, Add* | *176.74* | |
| | | *For Seismic Hook And Eye, Add* | *19.00* | |
| 04 05 19 13-0167 | CLF | #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 165.04 | |
| | | *For Hot-Dipped Galvanized, Add* | *45.43* | |
| | | *For Stainless Steel, Add* | *181.72* | |
| | | *For Seismic Hook And Eye, Add* | *19.53* | |
| 04 05 19 13-0168 | CLF | #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 172.07 | |
| | | *For Hot-Dipped Galvanized, Add* | *46.73* | |
| | | *For Stainless Steel, Add* | *186.92* | |
| | | *For Seismic Hook And Eye, Add* | *20.09* | |
| 04 05 19 13-0169 | CLF | #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 177.49 | |
| | | *For Hot-Dipped Galvanized, Add* | *47.90* | |
| | | *For Stainless Steel, Add* | *191.60* | |
| | | *For Seismic Hook And Eye, Add* | *20.60* | |

## 04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0171 | CLF | #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 164.25 | |
| | | *For Hot-Dipped Galvanized, Add* | *54.45* | |
| | | *For Stainless Steel, Add* | *217.78* | |
| | | *For Seismic Hook And Eye, Add* | *23.41* | |
| 04 05 19 13-0172 | CLF | #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 171.48 | |
| | | *For Hot-Dipped Galvanized, Add* | *55.29* | |
| | | *For Stainless Steel, Add* | *221.16* | |
| | | *For Seismic Hook And Eye, Add* | *23.77* | |
| 04 05 19 13-0173 | CLF | #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 182.20 | |
| | | *For Hot-Dipped Galvanized, Add* | *56.50* | |
| | | *For Stainless Steel, Add* | *226.00* | |
| | | *For Seismic Hook And Eye, Add* | *24.30* | |
| 04 05 19 13-0174 | CLF | #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 189.52 | |
| | | *For Hot-Dipped Galvanized, Add* | *57.67* | |
| | | *For Stainless Steel, Add* | *230.68* | |
| | | *For Seismic Hook And Eye, Add* | *24.80* | |
| 04 05 19 13-0175 | CLF | #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 196.28 | |
| | | *For Hot-Dipped Galvanized, Add* | *58.84* | |
| | | *For Stainless Steel, Add* | *235.34* | |
| | | *For Seismic Hook And Eye, Add* | *25.30* | |
| 04 05 19 13-0176 | CLF | #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 204.42 | |
| | | *For Hot-Dipped Galvanized, Add* | *61.37* | |
| | | *For Stainless Steel, Add* | *245.46* | |
| | | *For Seismic Hook And Eye, Add* | *26.39* | |

### 04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0178 | CLF | #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 166.09 | |
| | | *For Hot-Dipped Galvanized, Add* | *55.37* | |
| | | *For Stainless Steel, Add* | *221.46* | |
| | | *For Seismic Hook And Eye, Add* | *23.81* | |
| 04 05 19 13-0179 | CLF | #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 175.63 | |
| | | *For Hot-Dipped Galvanized, Add* | *57.37* | |
| | | *For Stainless Steel, Add* | *229.46* | |
| | | *For Seismic Hook And Eye, Add* | *24.67* | |
| 04 05 19 13-0180 | CLF | #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 187.89 | |
| | | *For Hot-Dipped Galvanized, Add* | *59.35* | |
| | | *For Stainless Steel, Add* | *237.38* | |
| | | *For Seismic Hook And Eye, Add* | *25.52* | |
| 04 05 19 13-0181 | CLF | #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 197.62 | |
| | | *For Hot-Dipped Galvanized, Add* | *61.72* | |
| | | *For Stainless Steel, Add* | *246.88* | |
| | | *For Seismic Hook And Eye, Add* | *26.54* | |
| 04 05 19 13-0182 | CLF | #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 206.81 | |
| | | *For Hot-Dipped Galvanized, Add* | *64.10* | |
| | | *For Stainless Steel, Add* | *256.40* | |
| | | *For Seismic Hook And Eye, Add* | *27.56* | |
| 04 05 19 13-0183 | CLF | #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 214.60 | |
| | | *For Hot-Dipped Galvanized, Add* | *66.46* | |
| | | *For Stainless Steel, Add* | *265.82* | |
| | | *For Seismic Hook And Eye, Add* | *28.58* | |

### 04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

### 04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0186 | CLF | #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 149.72 | |
| | | *For Hot-Dipped Galvanized, Add* | *44.41* | |
| | | *For Stainless Steel, Add* | *177.64* | |
| | | *For Seismic Hook And Eye, Add* | *19.10* | |
| 04 05 19 13-0187 | CLF | #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 160.17 | |
| | | *For Hot-Dipped Galvanized, Add* | *45.49* | |
| | | *For Stainless Steel, Add* | *181.94* | |
| | | *For Seismic Hook And Eye, Add* | *19.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0188 | CLF | #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 167.30 | |
| | | *For Hot-Dipped Galvanized, Add* | *46.56* | |
| | | *For Stainless Steel, Add* | *186.24* | |
| | | *For Seismic Hook And Eye, Add* | *20.02* | |
| 04 05 19 13-0189 | CLF | #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 174.48 | |
| | | *For Hot-Dipped Galvanized, Add* | *47.94* | |
| | | *For Stainless Steel, Add* | *191.74* | |
| | | *For Seismic Hook And Eye, Add* | *20.61* | |
| 04 05 19 13-0190 | CLF | #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 180.05 | |
| | | *For Hot-Dipped Galvanized, Add* | *49.18* | |
| | | *For Stainless Steel, Add* | *196.72* | |
| | | *For Seismic Hook And Eye, Add* | *21.15* | |

## 04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0192 | CLF | #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 173.86 | |
| | | *For Hot-Dipped Galvanized, Add* | *56.48* | |
| | | *For Stainless Steel, Add* | *225.92* | |
| | | *For Seismic Hook And Eye, Add* | *24.29* | |
| 04 05 19 13-0193 | CLF | #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 184.50 | |
| | | *For Hot-Dipped Galvanized, Add* | *57.65* | |
| | | *For Stainless Steel, Add* | *230.60* | |
| | | *For Seismic Hook And Eye, Add* | *24.79* | |
| 04 05 19 13-0194 | CLF | #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 191.97 | |
| | | *For Hot-Dipped Galvanized, Add* | *58.90* | |
| | | *For Stainless Steel, Add* | *235.58* | |
| | | *For Seismic Hook And Eye, Add* | *25.32* | |
| 04 05 19 13-0195 | CLF | #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 198.40 | |
| | | *For Hot-Dipped Galvanized, Add* | *59.90* | |
| | | *For Stainless Steel, Add* | *239.58* | |
| | | *For Seismic Hook And Eye, Add* | *25.75* | |
| 04 05 19 13-0196 | CLF | #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 204.19 | |
| | | *For Hot-Dipped Galvanized, Add* | *61.25* | |
| | | *For Stainless Steel, Add* | *245.00* | |
| | | *For Seismic Hook And Eye, Add* | *26.34* | |

## 04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0198 | CLF | #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 176.35 | |
| | | *For Hot-Dipped Galvanized, Add* | *57.73* | |
| | | *For Stainless Steel, Add* | *230.90* | |
| | | *For Seismic Hook And Eye, Add* | *24.82* | |
| 04 05 19 13-0199 | CLF | #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 188.65 | |
| | | *For Hot-Dipped Galvanized, Add* | *59.73* | |
| | | *For Stainless Steel, Add* | *238.90* | |
| | | *For Seismic Hook And Eye, Add* | *25.68* | |
| 04 05 19 13-0200 | CLF | #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 197.62 | |
| | | *For Hot-Dipped Galvanized, Add* | *61.72* | |
| | | *For Stainless Steel, Add* | *246.88* | |
| | | *For Seismic Hook And Eye, Add* | *26.54* | |
| 04 05 19 13-0201 | CLF | #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 206.81 | |
| | | *For Hot-Dipped Galvanized, Add* | *64.10* | |
| | | *For Stainless Steel, Add* | *256.40* | |
| | | *For Seismic Hook And Eye, Add* | *27.56* | |
| 04 05 19 13-0202 | CLF | #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 214.60 | |
| | | *For Hot-Dipped Galvanized, Add* | *66.46* | |
| | | *For Stainless Steel, Add* | *265.82* | |
| | | *For Seismic Hook And Eye, Add* | *28.58* | |

## 04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

## 04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0203)*

## 04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0206 | CLF | #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 73.30 | |
| | | *For Hot-Dipped Galvanized, Add* | *17.46* | |
| | | *For Stainless Steel, Add* | *69.84* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0207 | CLF | #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 76.30 | |
| | | *For Hot-Dipped Galvanized, Add* | *17.65* | |
| | | *For Stainless Steel, Add* | *70.60* | |
| 04 05 19 13-0208 | CLF | #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 81.43 | |
| | | *For Hot-Dipped Galvanized, Add* | *18.35* | |
| | | *For Stainless Steel, Add* | *73.40* | |
| 04 05 19 13-0209 | CLF | #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 87.72 | |
| | | *For Hot-Dipped Galvanized, Add* | *19.26* | |
| | | *For Stainless Steel, Add* | *77.02* | |
| 04 05 19 13-0210 | CLF | #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 95.22 | |
| | | *For Hot-Dipped Galvanized, Add* | *20.27* | |
| | | *For Stainless Steel, Add* | *81.08* | |
| 04 05 19 13-0211 | CLF | #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 100.69 | |
| | | *For Hot-Dipped Galvanized, Add* | *20.82* | |
| | | *For Stainless Steel, Add* | *83.28* | |
| 04 05 19 13-0212 | CLF | #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 104.73 | |
| | | *For Hot-Dipped Galvanized, Add* | *21.61* | |
| | | *For Stainless Steel, Add* | *86.44* | |
| 04 05 19 13-0213 | CLF | #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 126.65 | |
| | | *For Hot-Dipped Galvanized, Add* | *30.36* | |
| | | *For Stainless Steel, Add* | *121.44* | |
| 04 05 19 13-0214 | CLF | #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 134.05 | |
| | | *For Hot-Dipped Galvanized, Add* | *32.10* | |
| | | *For Stainless Steel, Add* | *128.38* | |
| 04 05 19 13-0215 | CLF | #20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 185.83 | |
| | | *For Hot-Dipped Galvanized, Add* | *55.52* | |
| | | *For Stainless Steel, Add* | *222.08* | |

### 04 05 19 13-0216 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0217 | CLF | #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 86.81 | |
| | | *For Hot-Dipped Galvanized, Add* | *24.22* | |
| | | *For Stainless Steel, Add* | *96.86* | |
| 04 05 19 13-0218 | CLF | #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 90.11 | |
| | | *For Hot-Dipped Galvanized, Add* | *24.56* | |
| | | *For Stainless Steel, Add* | *98.22* | |
| 04 05 19 13-0219 | CLF | #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 95.23 | |
| | | *For Hot-Dipped Galvanized, Add* | *25.25* | |
| | | *For Stainless Steel, Add* | *101.00* | |
| 04 05 19 13-0220 | CLF | #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 101.48 | |
| | | *For Hot-Dipped Galvanized, Add* | *26.14* | |
| | | *For Stainless Steel, Add* | *104.54* | |
| 04 05 19 13-0221 | CLF | #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 108.80 | |
| | | *For Hot-Dipped Galvanized, Add* | *27.06* | |
| | | *For Stainless Steel, Add* | *108.24* | |
| 04 05 19 13-0222 | CLF | #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 114.43 | |
| | | *For Hot-Dipped Galvanized, Add* | *27.70* | |
| | | *For Stainless Steel, Add* | *110.80* | |
| 04 05 19 13-0223 | CLF | #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 118.27 | |
| | | *For Hot-Dipped Galvanized, Add* | *28.38* | |
| | | *For Stainless Steel, Add* | *113.52* | |
| 04 05 19 13-0224 | CLF | #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 144.83 | |
| | | *For Hot-Dipped Galvanized, Add* | *39.45* | |
| | | *For Stainless Steel, Add* | *157.80* | |
| 04 05 19 13-0225 | CLF | #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 152.23 | |
| | | *For Hot-Dipped Galvanized, Add* | *41.19* | |
| | | *For Stainless Steel, Add* | *164.74* | |
| 04 05 19 13-0226 | CLF | #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 225.48 | |
| | | *For Hot-Dipped Galvanized, Add* | *77.81* | |
| | | *For Stainless Steel, Add* | *311.24* | |

### 04 05 19 13-0227 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0228 | CLF | #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 107.48 | |
| | | *For Hot-Dipped Galvanized, Add* | *34.55* | |
| | | *For Stainless Steel, Add* | *138.20* | |
| 04 05 19 13-0229 | CLF | #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 111.30 | |
| | | *For Hot-Dipped Galvanized, Add* | *34.98* | |
| | | *For Stainless Steel, Add* | *139.92* | |
| 04 05 19 13-0230 | CLF | #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 116.82 | |
| | | *For Hot-Dipped Galvanized, Add* | *36.27* | |
| | | *For Stainless Steel, Add* | *145.06* | |
| 04 05 19 13-0231 | CLF | #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 125.25 | |
| | | *For Hot-Dipped Galvanized, Add* | *38.02* | |
| | | *For Stainless Steel, Add* | *152.08* | |
| 04 05 19 13-0232 | CLF | #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 134.54 | |
| | | *For Hot-Dipped Galvanized, Add* | *40.21* | |
| | | *For Stainless Steel, Add* | *160.82* | |
| 04 05 19 13-0233 | CLF | #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 141.46 | |
| | | *For Hot-Dipped Galvanized, Add* | *41.21* | |
| | | *For Stainless Steel, Add* | *164.82* | |
| 04 05 19 13-0234 | CLF | #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 146.90 | |
| | | *For Hot-Dipped Galvanized, Add* | *42.70* | |
| | | *For Stainless Steel, Add* | *170.78* | |
| 04 05 19 13-0235 | CLF | #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 185.80 | |
| | | *For Hot-Dipped Galvanized, Add* | *59.93* | |
| | | *For Stainless Steel, Add* | *239.72* | |
| 04 05 19 13-0236 | CLF | #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 196.53 | |
| | | *For Hot-Dipped Galvanized, Add* | *63.33* | |
| | | *For Stainless Steel, Add* | *253.30* | |
| 04 05 19 13-0237 | CLF | #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 293.77 | |
| | | *For Hot-Dipped Galvanized, Add* | *109.49* | |
| | | *For Stainless Steel, Add* | *437.96* | |

## 04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0239 | CLF | #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 94.45 | |
| | | *For Hot-Dipped Galvanized, Add* | *28.04* | |
| | | *For Stainless Steel, Add* | *112.14* | |
| 04 05 19 13-0240 | CLF | #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 98.30 | |
| | | *For Hot-Dipped Galvanized, Add* | *28.65* | |
| | | *For Stainless Steel, Add* | *114.58* | |
| 04 05 19 13-0241 | CLF | #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 103.42 | |
| | | *For Hot-Dipped Galvanized, Add* | *29.35* | |
| | | *For Stainless Steel, Add* | *117.38* | |
| 04 05 19 13-0242 | CLF | #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 109.48 | |
| | | *For Hot-Dipped Galvanized, Add* | *30.14* | |
| | | *For Stainless Steel, Add* | *120.54* | |
| 04 05 19 13-0243 | CLF | #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 116.50 | |
| | | *For Hot-Dipped Galvanized, Add* | *30.91* | |
| | | *For Stainless Steel, Add* | *123.64* | |
| 04 05 19 13-0244 | CLF | #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 121.62 | |
| | | *For Hot-Dipped Galvanized, Add* | *31.29* | |
| | | *For Stainless Steel, Add* | *125.14* | |
| 04 05 19 13-0245 | CLF | #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 125.42 | |
| | | *For Hot-Dipped Galvanized, Add* | *31.72* | |
| | | *For Stainless Steel, Add* | *126.86* | |
| 04 05 19 13-0246 | CLF | #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 141.37 | |
| | | *For Hot-Dipped Galvanized, Add* | *37.72* | |
| | | *For Stainless Steel, Add* | *150.86* | |

## 04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0248 | CLF | #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 108.10 | |
| | | *For Hot-Dipped Galvanized, Add* | *34.86* | |
| | | *For Stainless Steel, Add* | *139.44* | |
| 04 05 19 13-0249 | CLF | #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 112.13 | |
| | | *For Hot-Dipped Galvanized, Add* | *35.56* | |
| | | *For Stainless Steel, Add* | *142.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0250 | CLF | #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 117.40 | |
| | | *For Hot-Dipped Galvanized, Add* | *36.34* | |
| | | *For Stainless Steel, Add* | *145.34* | |
| 04 05 19 13-0251 | CLF | #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 123.31 | |
| | | *For Hot-Dipped Galvanized, Add* | *37.05* | |
| | | *For Stainless Steel, Add* | *148.20* | |
| 04 05 19 13-0252 | CLF | #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 130.29 | |
| | | *For Hot-Dipped Galvanized, Add* | *37.81* | |
| | | *For Stainless Steel, Add* | *151.22* | |
| 04 05 19 13-0253 | CLF | #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 135.47 | |
| | | *For Hot-Dipped Galvanized, Add* | *38.22* | |
| | | *For Stainless Steel, Add* | *152.88* | |
| 04 05 19 13-0254 | CLF | #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 139.19 | |
| | | *For Hot-Dipped Galvanized, Add* | *38.60* | |
| | | *For Stainless Steel, Add* | *154.38* | |
| 04 05 19 13-0255 | CLF | #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 159.54 | |
| | | *For Hot-Dipped Galvanized, Add* | *46.81* | |
| | | *For Stainless Steel, Add* | *187.22* | |
| 04 05 19 13-0256 | CLF | #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 200.50 | |
| | | *For Hot-Dipped Galvanized, Add* | *65.32* | |
| | | *For Stainless Steel, Add* | *261.28* | |

### 04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0258 | CLF | #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 121.32 | |
| | | *For Hot-Dipped Galvanized, Add* | *41.47* | |
| | | *For Stainless Steel, Add* | *165.88* | |
| 04 05 19 13-0259 | CLF | #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 127.12 | |
| | | *For Hot-Dipped Galvanized, Add* | *42.89* | |
| | | *For Stainless Steel, Add* | *171.56* | |
| 04 05 19 13-0260 | CLF | #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 132.90 | |
| | | *For Hot-Dipped Galvanized, Add* | *44.31* | |
| | | *For Stainless Steel, Add* | *177.22* | |
| 04 05 19 13-0261 | CLF | #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 141.20 | |
| | | *For Hot-Dipped Galvanized, Add* | *46.00* | |
| | | *For Stainless Steel, Add* | *183.98* | |
| 04 05 19 13-0262 | CLF | #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 149.50 | |
| | | *For Hot-Dipped Galvanized, Add* | *47.69* | |
| | | *For Stainless Steel, Add* | *190.74* | |
| 04 05 19 13-0263 | CLF | #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 156.21 | |
| | | *For Hot-Dipped Galvanized, Add* | *48.58* | |
| | | *For Stainless Steel, Add* | *194.32* | |
| 04 05 19 13-0264 | CLF | #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 160.22 | |
| | | *For Hot-Dipped Galvanized, Add* | *49.36* | |
| | | *For Stainless Steel, Add* | *197.42* | |
| 04 05 19 13-0265 | CLF | #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 167.74 | |
| | | *For Hot-Dipped Galvanized, Add* | *50.90* | |
| | | *For Stainless Steel, Add* | *203.60* | |
| 04 05 19 13-0266 | CLF | #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 218.23 | |
| | | *For Hot-Dipped Galvanized, Add* | *74.18* | |
| | | *For Stainless Steel, Add* | *296.70* | |

### 04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0268 | CLF | #4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 125.88 | |
| | | *For Hot-Dipped Galvanized, Add* | *43.75* | |
| | | *For Stainless Steel, Add* | *175.00* | |
| 04 05 19 13-0269 | CLF | #6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 129.73 | |
| | | *For Hot-Dipped Galvanized, Add* | *44.36* | |
| | | *For Stainless Steel, Add* | *177.44* | |
| 04 05 19 13-0270 | CLF | #8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 134.85 | |
| | | *For Hot-Dipped Galvanized, Add* | *45.06* | |
| | | *For Stainless Steel, Add* | *180.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0271 | CLF | #10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 140.91 | |
| | | *For Hot-Dipped Galvanized, Add* | *45.85* | |
| | | *For Stainless Steel, Add* | *183.40* | |
| 04 05 19 13-0272 | CLF | #12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 147.93 | |
| | | *For Hot-Dipped Galvanized, Add* | *46.63* | |
| | | *For Stainless Steel, Add* | *186.50* | |
| 04 05 19 13-0273 | CLF | #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 153.05 | |
| | | *For Hot-Dipped Galvanized, Add* | *47.00* | |
| | | *For Stainless Steel, Add* | *188.00* | |
| 04 05 19 13-0274 | CLF | #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 156.85 | |
| | | *For Hot-Dipped Galvanized, Add* | *47.43* | |
| | | *For Stainless Steel, Add* | *189.72* | |
| 04 05 19 13-0275 | CLF | #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 172.80 | |
| | | *For Hot-Dipped Galvanized, Add* | *53.43* | |
| | | *For Stainless Steel, Add* | *213.72* | |
| 04 05 19 13-0276 | CLF | #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 200.76 | |
| | | *For Hot-Dipped Galvanized, Add* | *65.45* | |
| | | *For Stainless Steel, Add* | *261.78* | |

## 04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0278 | CLF | #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 139.53 | |
| | | *For Hot-Dipped Galvanized, Add* | *50.58* | |
| | | *For Stainless Steel, Add* | *202.30* | |
| 04 05 19 13-0279 | CLF | #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 143.56 | |
| | | *For Hot-Dipped Galvanized, Add* | *51.28* | |
| | | *For Stainless Steel, Add* | *205.10* | |
| 04 05 19 13-0280 | CLF | #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 148.83 | |
| | | *For Hot-Dipped Galvanized, Add* | *52.05* | |
| | | *For Stainless Steel, Add* | *208.20* | |
| 04 05 19 13-0281 | CLF | #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 154.74 | |
| | | *For Hot-Dipped Galvanized, Add* | *52.77* | |
| | | *For Stainless Steel, Add* | *211.06* | |
| 04 05 19 13-0282 | CLF | #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 161.72 | |
| | | *For Hot-Dipped Galvanized, Add* | *53.52* | |
| | | *For Stainless Steel, Add* | *214.08* | |
| 04 05 19 13-0283 | CLF | #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 166.90 | |
| | | *For Hot-Dipped Galvanized, Add* | *53.94* | |
| | | *For Stainless Steel, Add* | *215.74* | |
| 04 05 19 13-0284 | CLF | #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 170.62 | |
| | | *For Hot-Dipped Galvanized, Add* | *54.31* | |
| | | *For Stainless Steel, Add* | *217.24* | |
| 04 05 19 13-0285 | CLF | #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 190.97 | |
| | | *For Hot-Dipped Galvanized, Add* | *62.52* | |
| | | *For Stainless Steel, Add* | *250.08* | |
| 04 05 19 13-0286 | CLF | #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement | 231.93 | |
| | | *For Hot-Dipped Galvanized, Add* | *81.04* | |
| | | *For Stainless Steel, Add* | *324.14* | |

## 04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0288 | CLF | #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 152.75 | |
| | | *For Hot-Dipped Galvanized, Add* | *57.19* | |
| | | *For Stainless Steel, Add* | *228.74* | |
| 04 05 19 13-0289 | CLF | #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 158.55 | |
| | | *For Hot-Dipped Galvanized, Add* | *58.61* | |
| | | *For Stainless Steel, Add* | *234.42* | |
| 04 05 19 13-0290 | CLF | #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 164.33 | |
| | | *For Hot-Dipped Galvanized, Add* | *60.02* | |
| | | *For Stainless Steel, Add* | *240.08* | |
| 04 05 19 13-0291 | CLF | #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 172.63 | |
| | | *For Hot-Dipped Galvanized, Add* | *61.71* | |
| | | *For Stainless Steel, Add* | *246.84* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0292 | CLF | #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 180.93 | |
| | | *For Hot-Dipped Galvanized, Add* | *63.40* | |
| | | *For Stainless Steel, Add* | *253.60* | |
| 04 05 19 13-0293 | CLF | #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 187.64 | |
| | | *For Hot-Dipped Galvanized, Add* | *64.30* | |
| | | *For Stainless Steel, Add* | *257.18* | |
| 04 05 19 13-0294 | CLF | #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 191.65 | |
| | | *For Hot-Dipped Galvanized, Add* | *65.07* | |
| | | *For Stainless Steel, Add* | *260.28* | |
| 04 05 19 13-0295 | CLF | #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 199.17 | |
| | | *For Hot-Dipped Galvanized, Add* | *66.62* | |
| | | *For Stainless Steel, Add* | *266.46* | |
| 04 05 19 13-0296 | CLF | #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement | 249.66 | |
| | | *For Hot-Dipped Galvanized, Add* | *89.89* | |
| | | *For Stainless Steel, Add* | *359.56* | |

### 04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0203)*

### 04 05 19 13-0298 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0299 | CLF | #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 104.56 | |
| | | *For Hot-Dipped Galvanized, Add* | *27.37* | |
| | | *For Stainless Steel, Add* | *109.46* | |
| 04 05 19 13-0300 | CLF | #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 112.73 | |
| | | *For Hot-Dipped Galvanized, Add* | *28.69* | |
| | | *For Stainless Steel, Add* | *114.74* | |
| 04 05 19 13-0301 | CLF | #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 121.62 | |
| | | *For Hot-Dipped Galvanized, Add* | *30.36* | |
| | | *For Stainless Steel, Add* | *121.44* | |
| 04 05 19 13-0302 | CLF | #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 129.45 | |
| | | *For Hot-Dipped Galvanized, Add* | *31.51* | |
| | | *For Stainless Steel, Add* | *126.04* | |
| 04 05 19 13-0303 | CLF | #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 134.15 | |
| | | *For Hot-Dipped Galvanized, Add* | *32.48* | |
| | | *For Stainless Steel, Add* | *129.90* | |
| 04 05 19 13-0304 | CLF | #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 143.77 | |
| | | *For Hot-Dipped Galvanized, Add* | *34.80* | |
| | | *For Stainless Steel, Add* | *139.18* | |
| 04 05 19 13-0305 | CLF | #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 152.84 | |
| | | *For Hot-Dipped Galvanized, Add* | *37.12* | |
| | | *For Stainless Steel, Add* | *148.46* | |

### 04 05 19 13-0306 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0307 | CLF | #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 121.60 | |
| | | *For Hot-Dipped Galvanized, Add* | *35.89* | |
| | | *For Stainless Steel, Add* | *143.54* | |
| 04 05 19 13-0308 | CLF | #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 129.81 | |
| | | *For Hot-Dipped Galvanized, Add* | *37.23* | |
| | | *For Stainless Steel, Add* | *148.90* | |
| 04 05 19 13-0309 | CLF | #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 138.63 | |
| | | *For Hot-Dipped Galvanized, Add* | *38.87* | |
| | | *For Stainless Steel, Add* | *155.46* | |
| 04 05 19 13-0310 | CLF | #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 146.50 | |
| | | *For Hot-Dipped Galvanized, Add* | *40.04* | |
| | | *For Stainless Steel, Add* | *160.14* | |
| 04 05 19 13-0311 | CLF | #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 151.08 | |
| | | *For Hot-Dipped Galvanized, Add* | *40.94* | |
| | | *For Stainless Steel, Add* | *163.76* | |
| 04 05 19 13-0312 | CLF | #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 160.74 | |
| | | *For Hot-Dipped Galvanized, Add* | *43.28* | |
| | | *For Stainless Steel, Add* | *173.12* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0313 | CLF | #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 169.88 | |
| | | *For Hot-Dipped Galvanized, Add* | *45.64* | |
| | | *For Stainless Steel, Add* | *182.54* | |

## 04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0315 | CLF | #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 137.41 | |
| | | *For Hot-Dipped Galvanized, Add* | *43.79* | |
| | | *For Stainless Steel, Add* | *175.16* | |
| 04 05 19 13-0316 | CLF | #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 147.09 | |
| | | *For Hot-Dipped Galvanized, Add* | *45.87* | |
| | | *For Stainless Steel, Add* | *183.46* | |
| 04 05 19 13-0317 | CLF | #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 158.32 | |
| | | *For Hot-Dipped Galvanized, Add* | *48.71* | |
| | | *For Stainless Steel, Add* | *194.84* | |
| 04 05 19 13-0318 | CLF | #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 166.94 | |
| | | *For Hot-Dipped Galvanized, Add* | *50.26* | |
| | | *For Stainless Steel, Add* | *201.02* | |
| 04 05 19 13-0319 | CLF | #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 172.81 | |
| | | *For Hot-Dipped Galvanized, Add* | *51.81* | |
| | | *For Stainless Steel, Add* | *207.22* | |
| 04 05 19 13-0320 | CLF | #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 184.76 | |
| | | *For Hot-Dipped Galvanized, Add* | *55.29* | |
| | | *For Stainless Steel, Add* | *221.16* | |
| 04 05 19 13-0321 | CLF | #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement | 194.96 | |
| | | *For Hot-Dipped Galvanized, Add* | *58.18* | |
| | | *For Stainless Steel, Add* | *232.70* | |

## 04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

## 04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0324 | CLF | #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 157.70 | |
| | | *For Hot-Dipped Galvanized, Add* | *53.94* | |
| | | *For Stainless Steel, Add* | *215.74* | |
| 04 05 19 13-0325 | CLF | #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 163.98 | |
| | | *For Hot-Dipped Galvanized, Add* | *54.31* | |
| | | *For Stainless Steel, Add* | *217.24* | |
| 04 05 19 13-0326 | CLF | #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 172.16 | |
| | | *For Hot-Dipped Galvanized, Add* | *55.63* | |
| | | *For Stainless Steel, Add* | *222.52* | |
| 04 05 19 13-0327 | CLF | #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 183.97 | |
| | | *For Hot-Dipped Galvanized, Add* | *57.39* | |
| | | *For Stainless Steel, Add* | *229.54* | |
| 04 05 19 13-0328 | CLF | #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 193.10 | |
| | | *For Hot-Dipped Galvanized, Add* | *59.46* | |
| | | *For Stainless Steel, Add* | *237.84* | |
| 04 05 19 13-0329 | CLF | #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 202.58 | |
| | | *For Hot-Dipped Galvanized, Add* | *61.99* | |
| | | *For Stainless Steel, Add* | *247.94* | |

## 04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0331 | CLF | #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 184.06 | |
| | | *For Hot-Dipped Galvanized, Add* | *67.12* | |
| | | *For Stainless Steel, Add* | *268.46* | |
| 04 05 19 13-0332 | CLF | #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 190.72 | |
| | | *For Hot-Dipped Galvanized, Add* | *67.68* | |
| | | *For Stainless Steel, Add* | *270.72* | |
| 04 05 19 13-0333 | CLF | #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 198.90 | |
| | | *For Hot-Dipped Galvanized, Add* | *69.00* | |
| | | *For Stainless Steel, Add* | *276.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0334 | CLF | #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 210.64 | |
| | | *For Hot-Dipped Galvanized, Add* | *70.72* | |
| | | *For Stainless Steel, Add* | *282.88* | |
| 04 05 19 13-0335 | CLF | #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 219.42 | |
| | | *For Hot-Dipped Galvanized, Add* | *72.62* | |
| | | *For Stainless Steel, Add* | *290.48* | |
| 04 05 19 13-0336 | CLF | #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 227.70 | |
| | | *For Hot-Dipped Galvanized, Add* | *74.55* | |
| | | *For Stainless Steel, Add* | *298.18* | |

### 04 05 19 13-0337 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0338 | CLF | #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 198.51 | |
| | | *For Hot-Dipped Galvanized, Add* | *74.34* | |
| | | *For Stainless Steel, Add* | *297.36* | |
| 04 05 19 13-0339 | CLF | #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 205.17 | |
| | | *For Hot-Dipped Galvanized, Add* | *74.91* | |
| | | *For Stainless Steel, Add* | *299.62* | |
| 04 05 19 13-0340 | CLF | #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 214.86 | |
| | | *For Hot-Dipped Galvanized, Add* | *76.98* | |
| | | *For Stainless Steel, Add* | *307.92* | |
| 04 05 19 13-0341 | CLF | #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 228.59 | |
| | | *For Hot-Dipped Galvanized, Add* | *79.70* | |
| | | *For Stainless Steel, Add* | *318.78* | |
| 04 05 19 13-0342 | CLF | #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 240.43 | |
| | | *For Hot-Dipped Galvanized, Add* | *83.13* | |
| | | *For Stainless Steel, Add* | *332.50* | |
| 04 05 19 13-0343 | CLF | #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement | 252.48 | |
| | | *For Hot-Dipped Galvanized, Add* | *86.94* | |
| | | *For Stainless Steel, Add* | *347.74* | |

### 04 05 19 13-0344 Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

### 04 05 19 13-0345 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0346 | CLF | #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 168.24 | |
| | | *For Hot-Dipped Galvanized, Add* | *56.44* | |
| | | *For Stainless Steel, Add* | *225.76* | |
| 04 05 19 13-0347 | CLF | #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 174.58 | |
| | | *For Hot-Dipped Galvanized, Add* | *56.84* | |
| | | *For Stainless Steel, Add* | *227.36* | |
| 04 05 19 13-0348 | CLF | #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 185.44 | |
| | | *For Hot-Dipped Galvanized, Add* | *58.12* | |
| | | *For Stainless Steel, Add* | *232.48* | |
| 04 05 19 13-0349 | CLF | #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 193.89 | |
| | | *For Hot-Dipped Galvanized, Add* | *59.86* | |
| | | *For Stainless Steel, Add* | *239.42* | |
| 04 05 19 13-0350 | CLF | #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 202.54 | |
| | | *For Hot-Dipped Galvanized, Add* | *61.97* | |
| | | *For Stainless Steel, Add* | *247.86* | |
| 04 05 19 13-0351 | CLF | #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 209.92 | |
| | | *For Hot-Dipped Galvanized, Add* | *64.12* | |
| | | *For Stainless Steel, Add* | *256.46* | |

### 04 05 19 13-0352 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0353 | CLF | #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 194.53 | |
| | | *For Hot-Dipped Galvanized, Add* | *69.59* | |
| | | *For Stainless Steel, Add* | *278.34* | |
| 04 05 19 13-0354 | CLF | #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 201.20 | |
| | | *For Hot-Dipped Galvanized, Add* | *70.15* | |
| | | *For Stainless Steel, Add* | *280.60* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0355 | CLF | #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 212.14 | |
| | | *For Hot-Dipped Galvanized, Add* | *71.47* | |
| | | *For Stainless Steel, Add* | *285.88* | |
| 04 05 19 13-0356 | CLF | #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 220.59 | |
| | | *For Hot-Dipped Galvanized, Add* | *73.21* | |
| | | *For Stainless Steel, Add* | *292.82* | |
| 04 05 19 13-0357 | CLF | #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 228.83 | |
| | | *For Hot-Dipped Galvanized, Add* | *75.11* | |
| | | *For Stainless Steel, Add* | *300.44* | |
| 04 05 19 13-0358 | CLF | #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 236.44 | |
| | | *For Hot-Dipped Galvanized, Add* | *77.38* | |
| | | *For Stainless Steel, Add* | *309.50* | |

## 04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0360 | CLF | #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 209.02 | |
| | | *For Hot-Dipped Galvanized, Add* | *76.83* | |
| | | *For Stainless Steel, Add* | *307.32* | |
| 04 05 19 13-0361 | CLF | #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 215.65 | |
| | | *For Hot-Dipped Galvanized, Add* | *77.38* | |
| | | *For Stainless Steel, Add* | *309.50* | |
| 04 05 19 13-0362 | CLF | #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 228.17 | |
| | | *For Hot-Dipped Galvanized, Add* | *79.49* | |
| | | *For Stainless Steel, Add* | *317.94* | |
| 04 05 19 13-0363 | CLF | #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 238.55 | |
| | | *For Hot-Dipped Galvanized, Add* | *82.19* | |
| | | *For Stainless Steel, Add* | *328.74* | |
| 04 05 19 13-0364 | CLF | #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 249.80 | |
| | | *For Hot-Dipped Galvanized, Add* | *85.60* | |
| | | *For Stainless Steel, Add* | *342.38* | |
| 04 05 19 13-0365 | CLF | #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement | 258.09 | |
| | | *For Hot-Dipped Galvanized, Add* | *88.20* | |
| | | *For Stainless Steel, Add* | *352.80* | |

## 04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

## 04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0368 | CLF | #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 158.10 | |
| | | *For Hot-Dipped Galvanized, Add* | *51.37* | |
| | | *For Stainless Steel, Add* | *205.48* | |
| | | *For Seismic Hook And Eye, Add* | *22.09* | |
| 04 05 19 13-0369 | CLF | #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 164.36 | |
| | | *For Hot-Dipped Galvanized, Add* | *51.73* | |
| | | *For Stainless Steel, Add* | *206.92* | |
| | | *For Seismic Hook And Eye, Add* | *22.24* | |
| 04 05 19 13-0370 | CLF | #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 174.88 | |
| | | *For Hot-Dipped Galvanized, Add* | *52.84* | |
| | | *For Stainless Steel, Add* | *211.36* | |
| | | *For Seismic Hook And Eye, Add* | *22.72* | |
| 04 05 19 13-0371 | CLF | #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 183.07 | |
| | | *For Hot-Dipped Galvanized, Add* | *54.45* | |
| | | *For Stainless Steel, Add* | *217.78* | |
| | | *For Seismic Hook And Eye, Add* | *23.41* | |
| 04 05 19 13-0372 | CLF | #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 190.82 | |
| | | *For Hot-Dipped Galvanized, Add* | *56.11* | |
| | | *For Stainless Steel, Add* | *224.42* | |
| | | *For Seismic Hook And Eye, Add* | *24.13* | |
| 04 05 19 13-0373 | CLF | #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 197.97 | |
| | | *For Hot-Dipped Galvanized, Add* | *58.14* | |
| | | *For Stainless Steel, Add* | *232.56* | |
| | | *For Seismic Hook And Eye, Add* | *25.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0374 | | 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)* | | |
| 04 05 19 13-0375 | CLF | #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 182.31 | |
| | | *For Hot-Dipped Galvanized, Add* | *63.48* | |
| | | *For Stainless Steel, Add* | *253.90* | |
| | | *For Seismic Hook And Eye, Add* | *27.29* | |
| 04 05 19 13-0376 | CLF | #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 188.83 | |
| | | *For Hot-Dipped Galvanized, Add* | *63.97* | |
| | | *For Stainless Steel, Add* | *255.86* | |
| | | *For Seismic Hook And Eye, Add* | *27.50* | |
| 04 05 19 13-0377 | CLF | #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 199.17 | |
| | | *For Hot-Dipped Galvanized, Add* | *64.99* | |
| | | *For Stainless Steel, Add* | *259.94* | |
| | | *For Seismic Hook And Eye, Add* | *27.94* | |
| 04 05 19 13-0378 | CLF | #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 207.20 | |
| | | *For Hot-Dipped Galvanized, Add* | *66.51* | |
| | | *For Stainless Steel, Add* | *266.04* | |
| | | *For Seismic Hook And Eye, Add* | *28.60* | |
| 04 05 19 13-0379 | CLF | #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 214.92 | |
| | | *For Hot-Dipped Galvanized, Add* | *68.16* | |
| | | *For Stainless Steel, Add* | *272.62* | |
| | | *For Seismic Hook And Eye, Add* | *29.31* | |
| 04 05 19 13-0380 | CLF | #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 221.62 | |
| | | *For Hot-Dipped Galvanized, Add* | *69.97* | |
| | | *For Stainless Steel, Add* | *279.86* | |
| | | *For Seismic Hook And Eye, Add* | *30.08* | |
| 04 05 19 13-0381 | | 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)* | | |
| 04 05 19 13-0382 | CLF | #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 196.95 | |
| | | *For Hot-Dipped Galvanized, Add* | *70.80* | |
| | | *For Stainless Steel, Add* | *283.18* | |
| | | *For Seismic Hook And Eye, Add* | *30.44* | |
| 04 05 19 13-0383 | CLF | #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 203.58 | |
| | | *For Hot-Dipped Galvanized, Add* | *71.34* | |
| | | *For Stainless Steel, Add* | *285.36* | |
| | | *For Seismic Hook And Eye, Add* | *30.68* | |
| 04 05 19 13-0384 | CLF | #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 215.84 | |
| | | *For Hot-Dipped Galvanized, Add* | *73.32* | |
| | | *For Stainless Steel, Add* | *293.28* | |
| | | *For Seismic Hook And Eye, Add* | *31.53* | |
| 04 05 19 13-0385 | CLF | #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 225.99 | |
| | | *For Hot-Dipped Galvanized, Add* | *75.91* | |
| | | *For Stainless Steel, Add* | *303.62* | |
| | | *For Seismic Hook And Eye, Add* | *32.64* | |
| 04 05 19 13-0386 | CLF | #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 236.94 | |
| | | *For Hot-Dipped Galvanized, Add* | *79.17* | |
| | | *For Stainless Steel, Add* | *316.66* | |
| | | *For Seismic Hook And Eye, Add* | *34.04* | |
| 04 05 19 13-0387 | CLF | #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement | 247.26 | |
| | | *For Hot-Dipped Galvanized, Add* | *82.79* | |
| | | *For Stainless Steel, Add* | *331.14* | |
| | | *For Seismic Hook And Eye, Add* | *35.60* | |
| 04 05 19 13-0388 | | Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)* | | |
| 04 05 19 13-0389 | | 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall *(04 05 19 13-0388)* | | |
| 04 05 19 13-0390 | CLF | #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 168.47 | |
| | | *For Hot-Dipped Galvanized, Add* | *53.79* | |
| | | *For Stainless Steel, Add* | *215.14* | |
| | | *For Seismic Hook And Eye, Add* | *23.13* | |
| 04 05 19 13-0391 | CLF | #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 177.52 | |
| | | *For Hot-Dipped Galvanized, Add* | *54.16* | |
| | | *For Stainless Steel, Add* | *216.64* | |
| | | *For Seismic Hook And Eye, Add* | *23.29* | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 13-0392 | CLF | #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 184.88 | |
| | | *For Hot-Dipped Galvanized, Add* | *55.35* | |
| | | *For Stainless Steel, Add* | *221.40* | |
| | | *For Seismic Hook And Eye, Add* | *23.80* | |
| 04 05 19 13-0393 | CLF | #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 192.70 | |
| | | *For Hot-Dipped Galvanized, Add* | *57.05* | |
| | | *For Stainless Steel, Add* | *228.18* | |
| | | *For Seismic Hook And Eye, Add* | *24.53* | |
| 04 05 19 13-0394 | CLF | #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 199.70 | |
| | | *For Hot-Dipped Galvanized, Add* | *59.01* | |
| | | *For Stainless Steel, Add* | *236.02* | |
| | | *For Seismic Hook And Eye, Add* | *25.37* | |

### 04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0396 | CLF | #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 194.57 | |
| | | *For Hot-Dipped Galvanized, Add* | *66.84* | |
| | | *For Stainless Steel, Add* | *267.34* | |
| | | *For Seismic Hook And Eye, Add* | *28.74* | |
| 04 05 19 13-0397 | CLF | #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 203.70 | |
| | | *For Hot-Dipped Galvanized, Add* | *67.25* | |
| | | *For Stainless Steel, Add* | *269.00* | |
| | | *For Seismic Hook And Eye, Add* | *28.92* | |
| 04 05 19 13-0398 | CLF | #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 210.98 | |
| | | *For Hot-Dipped Galvanized, Add* | *68.40* | |
| | | *For Stainless Steel, Add* | *273.60* | |
| | | *For Seismic Hook And Eye, Add* | *29.41* | |
| 04 05 19 13-0399 | CLF | #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 218.50 | |
| | | *For Hot-Dipped Galvanized, Add* | *69.95* | |
| | | *For Stainless Steel, Add* | *279.78* | |
| | | *For Seismic Hook And Eye, Add* | *30.08* | |
| 04 05 19 13-0400 | CLF | #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 224.75 | |
| | | *For Hot-Dipped Galvanized, Add* | *71.53* | |
| | | *For Stainless Steel, Add* | *286.12* | |
| | | *For Seismic Hook And Eye, Add* | *30.76* | |

### 04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 13-0402 | CLF | #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 207.24 | |
| | | *For Hot-Dipped Galvanized, Add* | *73.17* | |
| | | *For Stainless Steel, Add* | *292.68* | |
| | | *For Seismic Hook And Eye, Add* | *31.46* | |
| 04 05 19 13-0403 | CLF | #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 216.59 | |
| | | *For Hot-Dipped Galvanized, Add* | *73.70* | |
| | | *For Stainless Steel, Add* | *294.78* | |
| | | *For Seismic Hook And Eye, Add* | *31.69* | |
| 04 05 19 13-0404 | CLF | #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 225.57 | |
| | | *For Hot-Dipped Galvanized, Add* | *75.70* | |
| | | *For Stainless Steel, Add* | *302.78* | |
| | | *For Seismic Hook And Eye, Add* | *32.55* | |
| 04 05 19 13-0405 | CLF | #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 235.13 | |
| | | *For Hot-Dipped Galvanized, Add* | *78.26* | |
| | | *For Stainless Steel, Add* | *313.04* | |
| | | *For Seismic Hook And Eye, Add* | *33.65* | |
| 04 05 19 13-0406 | CLF | #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement | 244.74 | |
| | | *For Hot-Dipped Galvanized, Add* | *81.53* | |
| | | *For Stainless Steel, Add* | *326.10* | |
| | | *For Seismic Hook And Eye, Add* | *35.06* | |

## 04 05 19 16 Masonry Anchors *(04 05 19)*

### 04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties *(04 05 19 16)*

### 04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*

| | | | | |
|---|---|---|---|---|
| 04 05 19 16-0003 | EA | 2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie | 1.42 | |
| 04 05 19 16-0004 | EA | 2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie | 1.53 | |
| 04 05 19 16-0005 | EA | 2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie | 1.64 | |
| 04 05 19 16-0006 | EA | 2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie | 1.77 | |
| 04 05 19 16-0007 | EA | 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie | 1.90 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 16-0008 | EA | 4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie | 1.64 | |
| 04 05 19 16-0009 | EA | 4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie | 1.77 | |
| 04 05 19 16-0010 | EA | 4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie | 1.90 | |
| 04 05 19 16-0011 | EA | 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie | 2.03 | |
| 04 05 19 16-0012 | | Mill Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)* | | |
| 04 05 19 16-0013 | EA | 2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie | 1.23 | |
| 04 05 19 16-0014 | EA | 2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie | 1.27 | |
| 04 05 19 16-0015 | EA | 2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie | 1.32 | |
| 04 05 19 16-0016 | EA | 2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie | 1.39 | |
| 04 05 19 16-0017 | EA | 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie | 1.46 | |
| 04 05 19 16-0018 | EA | 4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie | 1.32 | |
| 04 05 19 16-0019 | EA | 4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie | 1.39 | |
| 04 05 19 16-0020 | EA | 4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie | 1.46 | |
| 04 05 19 16-0021 | EA | 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie | 1.54 | |
| 04 05 19 16-0022 | | Z-Type, Wire Masonry Wall Ties *(04 05 19 16)* | | |
| 04 05 19 16-0023 | | Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)* | | |
| 04 05 19 16-0024 | EA | 6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie | 1.23 | |
| 04 05 19 16-0025 | EA | 8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie | 1.30 | |
| 04 05 19 16-0026 | EA | 10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie | 1.49 | |
| 04 05 19 16-0027 | EA | 12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie | 1.58 | |
| 04 05 19 16-0028 | EA | 6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie | 1.60 | |
| 04 05 19 16-0029 | EA | 8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie | 1.72 | |
| 04 05 19 16-0030 | EA | 10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie | 1.87 | |
| 04 05 19 16-0031 | EA | 12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie | 1.96 | |
| 04 05 19 16-0032 | | Mill Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)* | | |
| 04 05 19 16-0033 | EA | 6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie | 1.09 | |
| 04 05 19 16-0034 | EA | 8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie | 1.11 | |
| 04 05 19 16-0035 | EA | 10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie | 1.26 | |
| 04 05 19 16-0036 | EA | 12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie | 1.30 | |
| 04 05 19 16-0037 | EA | 6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie | 1.31 | |
| 04 05 19 16-0038 | EA | 8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie | 1.39 | |
| 04 05 19 16-0039 | EA | 10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie | 1.46 | |
| 04 05 19 16-0040 | EA | 12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie | 1.56 | |
| 04 05 19 16-0041 | | Wire Beam Ties *(04 05 19 16)* | | |
| 04 05 19 16-0042 | | Hot-Dipped Galvanized, Wire Beam Ties *(04 05 19 16-0041)* | | |
| 04 05 19 16-0043 | EA | 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie | 1.76 | |
| 04 05 19 16-0044 | EA | 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie | 1.81 | |
| 04 05 19 16-0045 | EA | 6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie | 1.85 | |
| 04 05 19 16-0046 | EA | 8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie | 1.90 | |
| 04 05 19 16-0047 | EA | 10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie | 1.99 | |
| 04 05 19 16-0048 | | Mill Galvanized, Wire Beam Ties *(04 05 19 16-0041)* | | |
| 04 05 19 16-0049 | EA | 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie | 2.15 | |
| 04 05 19 16-0050 | EA | 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie | 2.26 | |
| 04 05 19 16-0051 | EA | 6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie | 2.38 | |
| 04 05 19 16-0052 | EA | 8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie | 2.43 | |
| 04 05 19 16-0053 | EA | 10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie | 2.52 | |
| 04 05 19 16-0054 | | Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16)* | | |
| 04 05 19 16-0055 | | Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)* | | |
| 04 05 19 16-0056 | EA | 6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie | 1.99 | |
| 04 05 19 16-0057 | EA | 7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie | 2.09 | |
| 04 05 19 16-0058 | EA | 8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie | 2.12 | |
| 04 05 19 16-0059 | EA | 9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie | 2.21 | |
| 04 05 19 16-0060 | EA | 10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie | 2.24 | |
| 04 05 19 16-0061 | | Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)* | | |
| 04 05 19 16-0062 | EA | 6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie | 1.64 | |
| 04 05 19 16-0063 | EA | 7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie | 1.70 | |
| 04 05 19 16-0064 | EA | 8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie | 1.73 | |
| 04 05 19 16-0065 | EA | 9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie | 1.78 | |
| 04 05 19 16-0066 | EA | 10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie | 1.80 | |
| 04 05 19 16-0067 | | Corrugated Buck (Brick) Anchors *(04 05 19 16)* | | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 16-0068 | | Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)* | | |
| 04 05 19 16-0069 | EA | 3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor | 2.48 | |
| 04 05 19 16-0070 | EA | 4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor | 2.59 | |
| 04 05 19 16-0071 | EA | 5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor | 2.69 | |
| 04 05 19 16-0072 | EA | 6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor | 2.80 | |
| 04 05 19 16-0073 | EA | 7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor | 2.91 | |
| 04 05 19 16-0074 | EA | 3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor | 2.57 | |
| 04 05 19 16-0075 | EA | 4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor | 2.69 | |
| 04 05 19 16-0076 | EA | 5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor | 2.80 | |
| 04 05 19 16-0077 | EA | 6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor | 2.92 | |
| 04 05 19 16-0078 | EA | 7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor | 3.04 | |
| 04 05 19 16-0079 | | Mill Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)* | | |
| 04 05 19 16-0080 | EA | 3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor | 2.10 | |
| 04 05 19 16-0081 | EA | 4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor | 2.18 | |
| 04 05 19 16-0082 | EA | 5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor | 2.25 | |
| 04 05 19 16-0083 | EA | 6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor | 2.33 | |
| 04 05 19 16-0084 | EA | 7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor | 2.41 | |
| 04 05 19 16-0085 | EA | 3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor | 2.17 | |
| 04 05 19 16-0086 | EA | 4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor | 2.25 | |
| 04 05 19 16-0087 | EA | 5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor | 2.34 | |
| 04 05 19 16-0088 | EA | 6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor | 2.42 | |
| 04 05 19 16-0089 | EA | 7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor | 2.51 | |
| 04 05 19 16-0090 | | Corrugated Wall Ties *(04 05 19 16)* | | |
| 04 05 19 16-0091 | | Hot-Dipped Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)* | | |
| 04 05 19 16-0092 | EA | 7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie | 1.08 | |
| 04 05 19 16-0093 | EA | 7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie | 1.17 | |
| 04 05 19 16-0094 | EA | 7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie | 1.21 | |
| 04 05 19 16-0095 | EA | 7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie | 1.24 | |
| 04 05 19 16-0096 | EA | 7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie | 1.54 | |
| 04 05 19 16-0097 | | Mill Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)* | | |
| 04 05 19 16-0098 | EA | 7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie | 1.12 | |
| 04 05 19 16-0099 | EA | 7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie | 1.14 | |
| 04 05 19 16-0100 | EA | 7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie | 1.17 | |
| 04 05 19 16-0101 | EA | 7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie | 1.40 | |
| 04 05 19 16-0102 | | Stainless Steel, Corrugated Wall Ties *(04 05 19 16-0090)* | | |
| 04 05 19 16-0103 | EA | 7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie | 1.39 | |
| 04 05 19 16-0104 | EA | 7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie | 1.45 | |
| 04 05 19 16-0105 | EA | 7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie | 1.52 | |
| 04 05 19 16-0106 | EA | 7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie | 1.58 | |
| 04 05 19 16-0107 | EA | 7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie | 1.91 | |
| 04 05 19 16-0108 | | Wire Mesh Wall Ties *(04 05 19 16)* | | |
| | | Note: 1/2" square mesh. | | |
| 04 05 19 16-0109 | EA | 3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie | 2.36 | |
| 04 05 19 16-0110 | EA | 3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie | 2.94 | |
| 04 05 19 16-0111 | EA | 6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie | 3.53 | |
| 04 05 19 16-0112 | EA | 6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie | 4.63 | |
| 04 05 19 16-0113 | EA | 10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie | 4.25 | |
| 04 05 19 16-0114 | EA | 10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie | 5.39 | |
| 04 05 19 16-0115 | | Triangle Brick Ties *(04 05 19 16)* | | |
| 04 05 19 16-0116 | | Hot-Dipped Galvanized, Triangle Brick Ties *(04 05 19 16-0115)* | | |
| 04 05 19 16-0117 | EA | 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.07 | |
| 04 05 19 16-0118 | EA | 3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.12 | |
| 04 05 19 16-0119 | EA | 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.17 | |
| 04 05 19 16-0120 | EA | 4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.25 | |
| 04 05 19 16-0121 | EA | 5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.30 | |
| 04 05 19 16-0122 | EA | 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.44 | |
| 04 05 19 16-0123 | EA | 7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.54 | |
| 04 05 19 16-0124 | EA | 9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.77 | |
| 04 05 19 16-0125 | EA | 3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.56 | |
| 04 05 19 16-0126 | EA | 3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.59 | |
| 04 05 19 16-0127 | EA | 4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.63 | |
| 04 05 19 16-0128 | EA | 4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.70 | |
| 04 05 19 16-0129 | EA | 5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.74 | |
| 04 05 19 16-0130 | EA | 6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.87 | |
| 04 05 19 16-0131 | EA | 7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 2.95 | |
| 04 05 19 16-0132 | EA | 9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie | 3.19 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **04 05 19 16-0133** | | **Mill Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)* | | |
| 04 05 19 16-0134 | EA | 3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie | 1.84 | |
| 04 05 19 16-0135 | EA | 3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie | 1.85 | |
| 04 05 19 16-0136 | EA | 4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie | 1.87 | |
| 04 05 19 16-0137 | EA | 4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie | 1.93 | |
| 04 05 19 16-0138 | EA | 5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie | 1.94 | |
| 04 05 19 16-0139 | EA | 6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie | 2.03 | |
| 04 05 19 16-0140 | EA | 7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie | 2.06 | |
| 04 05 19 16-0141 | EA | 9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie | 2.14 | |
| 04 05 19 16-0142 | EA | 3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie | 2.12 | |
| 04 05 19 16-0143 | EA | 3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie | 2.15 | |
| 04 05 19 16-0144 | EA | 4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie | 2.18 | |
| 04 05 19 16-0145 | EA | 4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie | 2.25 | |
| 04 05 19 16-0146 | EA | 5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie | 2.27 | |
| 04 05 19 16-0147 | EA | 6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie | 2.37 | |
| 04 05 19 16-0148 | EA | 7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie | 2.42 | |
| 04 05 19 16-0149 | EA | 9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie | 2.56 | |
| **04 05 19 16-0150** | | **Seismic Veneer Anchors** *(04 05 19 16)* | | |
| 04 05 19 16-0151 | EA | 3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor<br>Note: For horizontal wire attachment. Excludes wire. | 6.14 | |
| **04 05 19 16-0152** | | **Slip-Set, Joint Stabilization Anchors** *(04 05 19 16)*<br>Note: For restraining lateral movement at control joints. Field bendable. | | |
| 04 05 19 16-0153 | EA | 9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor | 7.99 | |
| 04 05 19 16-0154 | EA | 9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor | 8.69 | |
| 04 05 19 16-0155 | EA | 9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor | 6.14 | |
| **04 05 19 16-0156** | | **Strap Partition Top Anchors** *(04 05 19 16)* | | |
| 04 05 19 16-0157 | EA | 12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor | 4.46 | |
| 04 05 19 16-0158 | EA | 12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor | 6.46 | |
| **04 05 19 16-0159** | | **Rigid Partition Anchors** *(04 05 19 16)* | | |
| **04 05 19 16-0160** | | **Hot-Dipped Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)* | | |
| 04 05 19 16-0161 | EA | 1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor | 3.12 | |
| 04 05 19 16-0162 | EA | 1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor | 3.42 | |
| 04 05 19 16-0163 | EA | 1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor | 3.79 | |
| 04 05 19 16-0164 | EA | 1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor | 4.13 | |
| 04 05 19 16-0165 | EA | 2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor | 4.46 | |
| 04 05 19 16-0166 | EA | 2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor | 4.80 | |
| 04 05 19 16-0167 | EA | 1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor | 4.47 | |
| 04 05 19 16-0168 | EA | 1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor | 5.54 | |
| 04 05 19 16-0169 | EA | 1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor | 6.62 | |
| 04 05 19 16-0170 | EA | 1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor | 7.70 | |
| 04 05 19 16-0171 | EA | 2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor | 8.77 | |
| 04 05 19 16-0172 | EA | 2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor | 9.85 | |
| **04 05 19 16-0173** | | **Mill Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)* | | |
| 04 05 19 16-0174 | EA | 1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor | 2.82 | |
| 04 05 19 16-0175 | EA | 1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor | 3.08 | |
| 04 05 19 16-0176 | EA | 1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor | 3.35 | |
| 04 05 19 16-0177 | EA | 1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor | 3.61 | |
| 04 05 19 16-0178 | EA | 2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor | 3.87 | |
| 04 05 19 16-0179 | EA | 2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor | 4.13 | |
| **04 05 19 16-0180** | | **Screw-On Masonry Veneer Anchor Plates** *(04 05 19 16)* | | |
| 04 05 19 16-0181 | EA | 12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate | 1.99 | |
| 04 05 19 16-0182 | EA | 14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate | 2.11 | |
| **04 05 19 16-0183** | | **Wire Column Ties** *(04 05 19 16)* | | |
| **04 05 19 16-0184** | | **Hot-Dipped Galvanized, Wire Column Ties** *(04 05 19 16-0183)* | | |
| 04 05 19 16-0185 | EA | 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 2.46 | |
| 04 05 19 16-0186 | EA | 5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 2.64 | |
| 04 05 19 16-0187 | EA | 7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 2.77 | |
| 04 05 19 16-0188 | EA | 9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 2.95 | |
| 04 05 19 16-0189 | EA | 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 2.61 | |
| 04 05 19 16-0190 | EA | 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 2.77 | |
| 04 05 19 16-0191 | EA | 14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 2.88 | |
| 04 05 19 16-0192 | EA | 16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 3.00 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 16-0193 | EA | 3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 3.40 | |
| 04 05 19 16-0194 | EA | 5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 3.71 | |
| 04 05 19 16-0195 | EA | 7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 3.92 | |
| 04 05 19 16-0196 | EA | 9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 4.21 | |
| 04 05 19 16-0197 | EA | 10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 3.71 | |
| 04 05 19 16-0198 | EA | 12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 3.92 | |
| 04 05 19 16-0199 | EA | 14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 4.10 | |
| 04 05 19 16-0200 | EA | 16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie | 4.30 | |
| 04 05 19 16-0201 | | Mill Galvanized, Wire Column Ties *(04 05 19 16-0183)* | | |
| 04 05 19 16-0202 | EA | 3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie | 2.14 | |
| 04 05 19 16-0203 | EA | 5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie | 2.25 | |
| 04 05 19 16-0204 | EA | 7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie | 2.32 | |
| 04 05 19 16-0205 | EA | 9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie | 2.43 | |
| 04 05 19 16-0206 | EA | 10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie | 2.19 | |
| 04 05 19 16-0207 | EA | 12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie | 2.30 | |
| 04 05 19 16-0208 | EA | 14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie | 2.37 | |
| 04 05 19 16-0209 | EA | 16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie | 2.46 | |
| 04 05 19 16-0210 | EA | 3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie | 2.84 | |
| 04 05 19 16-0211 | EA | 5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie | 3.04 | |
| 04 05 19 16-0212 | EA | 7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie | 3.13 | |
| 04 05 19 16-0213 | EA | 9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie | 3.33 | |
| 04 05 19 16-0214 | EA | 10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie | 2.75 | |
| 04 05 19 16-0215 | EA | 12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie | 3.09 | |
| 04 05 19 16-0216 | EA | 14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie | 3.22 | |
| 04 05 19 16-0217 | EA | 16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie | 3.33 | |
| 04 05 19 16-0218 | | Dovetail Anchors, Slots And Ties *(04 05 19 16)* | | |
| 04 05 19 16-0219 | | Dovetail Anchor Slots *(04 05 19 16-0218)* | | |
| 04 05 19 16-0220 | | Hot-Dipped Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)* | | |
| 04 05 19 16-0221 | LF | 24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot | 4.52 | |
| 04 05 19 16-0222 | LF | 22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot | 5.05 | |
| 04 05 19 16-0223 | LF | 20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot | 5.36 | |
| 04 05 19 16-0224 | LF | 18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot | 5.51 | |
| 04 05 19 16-0225 | LF | 16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot | 5.87 | |
| 04 05 19 16-0226 | | Mill Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)* | | |
| 04 05 19 16-0227 | LF | 24 Gauge, Mill Galvanized, Dovetail Anchor Slot | 3.47 | |
| 04 05 19 16-0228 | LF | 22 Gauge, Mill Galvanized, Dovetail Anchor Slot | 4.14 | |
| 04 05 19 16-0229 | LF | 20 Gauge, Mill Galvanized, Dovetail Anchor Slot | 4.29 | |
| 04 05 19 16-0230 | LF | 18 Gauge, Mill Galvanized, Dovetail Anchor Slot | 4.52 | |
| 04 05 19 16-0231 | LF | 16 Gauge, Mill Galvanized, Dovetail Anchor Slot | 4.67 | |
| 04 05 19 16-0232 | | 304 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)* | | |
| 04 05 19 16-0233 | LF | 24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot | 4.03 | |
| 04 05 19 16-0234 | LF | 22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot | 4.47 | |
| 04 05 19 16-0235 | LF | 20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot | 4.62 | |
| 04 05 19 16-0236 | LF | 18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot | 5.12 | |
| 04 05 19 16-0237 | LF | 16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot | 5.60 | |
| 04 05 19 16-0238 | | 316 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)* | | |
| 04 05 19 16-0239 | LF | 24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot | 4.37 | |
| 04 05 19 16-0240 | LF | 22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot | 4.71 | |
| 04 05 19 16-0241 | LF | 20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot | 5.04 | |
| 04 05 19 16-0242 | LF | 18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot | 5.47 | |
| 04 05 19 16-0243 | LF | 16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot | 5.72 | |
| 04 05 19 16-0244 | | Dovetail Corrugated Brick Ties *(04 05 19 16-0218)* | | |
| 04 05 19 16-0245 | | Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)* | | |
| 04 05 19 16-0246 | EA | 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie | 1.46 | |
| 04 05 19 16-0247 | EA | 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie | 1.63 | |
| 04 05 19 16-0248 | EA | 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie | 1.80 | |
| 04 05 19 16-0249 | EA | 3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie | 1.50 | |
| 04 05 19 16-0250 | EA | 5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie | 1.82 | |
| 04 05 19 16-0251 | EA | 7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie | 2.06 | |
| 04 05 19 16-0252 | EA | 3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie | 1.59 | |
| 04 05 19 16-0253 | EA | 5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie | 1.81 | |
| 04 05 19 16-0254 | EA | 7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie | 2.03 | |
| 04 05 19 16-0255 | | Mill Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)* | | |
| 04 05 19 16-0256 | EA | 3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie | 1.31 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 16-0257 | EA | 5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie | 1.41 | |
| 04 05 19 16-0258 | EA | 7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie | 1.52 | |
| 04 05 19 16-0259 | EA | 3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie | 1.39 | |
| 04 05 19 16-0260 | EA | 5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie | 1.60 | |
| 04 05 19 16-0261 | EA | 7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie | 1.77 | |
| 04 05 19 16-0262 | EA | 3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie | 1.43 | |
| 04 05 19 16-0263 | EA | 5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie | 1.68 | |
| 04 05 19 16-0264 | EA | 7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie | 1.85 | |
| **04 05 19 16-0265** | | **Dovetail Stone Anchors** *(04 05 19 16-0218)* | | |
| **04 05 19 16-0266** | | **Hot-Dipped Galvanized, Dovetail Stone Anchors** *(04 05 19 16-0265)* | | |
| 04 05 19 16-0267 | EA | 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor | 1.82 | |
| 04 05 19 16-0268 | EA | 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor | 1.99 | |
| 04 05 19 16-0269 | EA | 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor | 2.17 | |
| **04 05 19 16-0270** | | **Dovetail Partition Top Anchors** *(04 05 19 16-0218)* | | |
| 04 05 19 16-0271 | EA | 3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor | 4.63 | |
| 04 05 19 16-0272 | EA | 3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor | 6.96 | |
| **04 05 19 16-0273** | | **Dovetail Flexible Triangle Brick Ties** *(04 05 19 16-0218)* | | |
| **04 05 19 16-0274** | | **Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties** *(04 05 19 16-0273)* | | |
| 04 05 19 16-0275 | EA | 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie | 2.77 | |
| 04 05 19 16-0276 | EA | 5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie | 3.00 | |
| 04 05 19 16-0277 | EA | 7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie | 3.15 | |
| 04 05 19 16-0278 | EA | 9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie | 3.31 | |
| **04 05 19 16-0279** | | **Mill Galvanized, Dovetail Flexible Triangle Brick Ties** *(04 05 19 16-0273)* | | |
| 04 05 19 16-0280 | EA | 3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie | 2.45 | |
| 04 05 19 16-0281 | EA | 5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie | 2.47 | |
| 04 05 19 16-0282 | EA | 7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie | 2.57 | |
| 04 05 19 16-0283 | EA | 9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie | 2.82 | |
| **04 05 19 26** | | **Masonry Reinforcing Bars** *(04 05 19)* | | |
| | | Note: Includes cutting and bending. | | |
| **04 05 19 26-0001** | | **Plain Steel Masonry Reinforcement Bar** *(04 05 19 26)* | | |
| 04 05 19 26-0002 | LF | #3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar | 1.12 | |
| 04 05 19 26-0003 | LF | #4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar | 1.84 | |
| 04 05 19 26-0004 | LF | #5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar | 2.61 | |
| 04 05 19 26-0005 | LF | #6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar | 3.44 | |
| 04 05 19 26-0006 | LF | #3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar | 1.14 | |
| 04 05 19 26-0007 | LF | #4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar | 1.87 | |
| 04 05 19 26-0008 | LF | #5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar | 2.66 | |
| 04 05 19 26-0009 | LF | #6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar | 3.52 | |
| 04 05 19 26-0010 | LF | #3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar | 1.16 | |
| 04 05 19 26-0011 | LF | #4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar | 1.92 | |
| 04 05 19 26-0012 | LF | #5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar | 2.74 | |
| 04 05 19 26-0013 | LF | #6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar | 3.63 | |
| 04 05 19 26-0014 | LF | #3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar | 1.30 | |
| 04 05 19 26-0015 | LF | #4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar | 2.12 | |
| 04 05 19 26-0016 | LF | #5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar | 3.00 | |
| 04 05 19 26-0017 | LF | #6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar | 3.92 | |
| 04 05 19 26-0018 | LF | #3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar | 1.32 | |
| 04 05 19 26-0019 | LF | #4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar | 2.15 | |
| 04 05 19 26-0020 | LF | #5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar | 3.05 | |
| 04 05 19 26-0021 | LF | #6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar | 4.00 | |
| 04 05 19 26-0022 | LF | #3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar | 1.34 | |
| 04 05 19 26-0023 | LF | #4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar | 2.20 | |
| 04 05 19 26-0024 | LF | #5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar | 3.13 | |
| 04 05 19 26-0025 | LF | #6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar | 4.11 | |
| **04 05 19 26-0026** | | **Galvanized Steel Masonry Reinforcement Bar** *(04 05 19 26)* | | |
| 04 05 19 26-0027 | LF | #3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar | 1.31 | |
| 04 05 19 26-0028 | LF | #4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar | 2.19 | |
| 04 05 19 26-0029 | LF | #5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar | 3.16 | |
| 04 05 19 26-0030 | LF | #6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar | 4.23 | |
| 04 05 19 26-0031 | LF | #3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar | 1.33 | |
| 04 05 19 26-0032 | LF | #4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar | 2.22 | |
| 04 05 19 26-0033 | LF | #5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar | 3.21 | |
| 04 05 19 26-0034 | LF | #6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar | 4.31 | |
| 04 05 19 26-0035 | LF | #3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar | 1.36 | |
| 04 05 19 26-0036 | LF | #4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar | 2.27 | |
| 04 05 19 26-0037 | LF | #5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar | 3.29 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 19 26-0038 | LF | #6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar | 4.42 | |
| 04 05 19 26-0039 | LF | #3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar | 1.49 | |
| 04 05 19 26-0040 | LF | #4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar | 2.47 | |
| 04 05 19 26-0041 | LF | #5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar | 3.55 | |
| 04 05 19 26-0042 | LF | #6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar | 4.71 | |
| 04 05 19 26-0043 | LF | #3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar | 1.51 | |
| 04 05 19 26-0044 | LF | #4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar | 2.50 | |
| 04 05 19 26-0045 | LF | #5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar | 3.60 | |
| 04 05 19 26-0046 | LF | #6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar | 4.79 | |
| 04 05 19 26-0047 | LF | #3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar | 1.54 | |
| 04 05 19 26-0048 | LF | #4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar | 2.55 | |
| 04 05 19 26-0049 | LF | #5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar | 3.68 | |
| 04 05 19 26-0050 | LF | #6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar | 4.90 | |
| 04 05 19 26-0051 | | Epoxy-Coated Masonry Reinforcement Bar *(04 05 19 26)* | | |
| 04 05 19 26-0052 | LF | #3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar | 1.29 | |
| 04 05 19 26-0053 | LF | #4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar | 2.15 | |
| 04 05 19 26-0054 | LF | #5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar | 3.10 | |
| 04 05 19 26-0055 | LF | #6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar | 4.14 | |
| 04 05 19 26-0056 | LF | #3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar | 1.31 | |
| 04 05 19 26-0057 | LF | #4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar | 2.18 | |
| 04 05 19 26-0058 | LF | #5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar | 3.15 | |
| 04 05 19 26-0059 | LF | #6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar | 4.22 | |
| 04 05 19 26-0060 | LF | #3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar | 1.34 | |
| 04 05 19 26-0061 | LF | #4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar | 2.23 | |
| 04 05 19 26-0062 | LF | #5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar | 3.23 | |
| 04 05 19 26-0063 | LF | #6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar | 4.34 | |
| 04 05 19 26-0064 | LF | #3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar | 1.47 | |
| 04 05 19 26-0065 | LF | #4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar | 2.43 | |
| 04 05 19 26-0066 | LF | #5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar | 3.49 | |
| 04 05 19 26-0067 | LF | #6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar | 4.62 | |
| 04 05 19 26-0068 | LF | #3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar | 1.49 | |
| 04 05 19 26-0069 | LF | #4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar | 2.46 | |
| 04 05 19 26-0070 | LF | #5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar | 3.54 | |
| 04 05 19 26-0071 | LF | #6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar | 4.70 | |
| 04 05 19 26-0072 | LF | #3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar | 1.52 | |
| 04 05 19 26-0073 | LF | #4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar | 2.51 | |
| 04 05 19 26-0074 | LF | #5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar | 3.62 | |
| 04 05 19 26-0075 | LF | #6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar | 4.82 | |

## 04 05 23 Masonry Accessories *(04 05)*

### 04 05 23 13 Masonry Control and Expansion Joints *(04 05 23)*

04 05 23 13-0001 Masonry Control Joints *(04 05 23 13)*

04 05 23 13-0002 Rubber, Masonry Control Joints *(04 05 23 13-0001)*

| | | | | |
|---|---|---|---|---|
| 04 05 23 13-0003 | LF | 1-5/8" Width, T-Style, Rubber, Masonry Control Joint | 7.18 | 0.98 |
| 04 05 23 13-0004 | LF | 2-5/8" Width, Rubber, Masonry Control Joint | 6.96 | 0.98 |
| 04 05 23 13-0005 | LF | 6-7/8" Width, Rubber, Masonry Control Joint | 15.17 | 0.98 |

04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints *(04 05 23 13-0001)*

| | | | | |
|---|---|---|---|---|
| 04 05 23 13-0007 | LF | 1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint | 4.11 | 0.98 |
| 04 05 23 13-0008 | LF | 2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint | 4.29 | 0.98 |
| 04 05 23 13-0009 | LF | 4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint | 5.43 | 0.98 |
| 04 05 23 13-0010 | LF | 6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint | 5.99 | 0.98 |
| 04 05 23 13-0011 | LF | 11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint | 5.60 | 0.98 |

### 04 05 23 16 Masonry Embedded Flashing *(04 05 23)*

04 05 23 16-0001 Lead Coated Copper Through Wall Flashing *(04 05 23 16)*

04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

| | | | | |
|---|---|---|---|---|
| 04 05 23 16-0003 | SF | 2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing | 9.22 | 1.91 |
| 04 05 23 16-0004 | SF | 3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing | 10.18 | 1.91 |
| 04 05 23 16-0005 | SF | 5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing | 12.84 | 1.91 |
| 04 05 23 16-0006 | SF | 7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing | 15.18 | 1.91 |

04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

| | | | | |
|---|---|---|---|---|
| 04 05 23 16-0008 | SF | 2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing | 10.16 | 1.91 |
| 04 05 23 16-0009 | SF | 3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing | 11.02 | 1.91 |
| 04 05 23 16-0010 | SF | 5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing | 14.08 | 1.91 |
| 04 05 23 16-0011 | SF | 7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing | 16.91 | 1.91 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 23 16-0012 | | Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)* | | |
| 04 05 23 16-0013 | SF | 2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing | 9.44 | 1.91 |
| 04 05 23 16-0014 | SF | 3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing | 10.63 | 1.91 |
| 04 05 23 16-0015 | SF | 5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing | 12.36 | 1.91 |
| 04 05 23 16-0016 | SF | 7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing | 15.95 | 1.91 |
| 04 05 23 16-0017 | | Stainless Steel Through Wall Flashing *(04 05 23 16)* | | |
| 04 05 23 16-0018 | | Paper Backed 2 Sides, Stainless Steel Through Wall Flashing *(04 05 23 16-0017)* | | |
| 04 05 23 16-0019 | SF | 0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing | 6.82 | 1.79 |
| 04 05 23 16-0020 | | Polyvinyl Chloride (PVC) Through Wall Flashing *(04 05 23 16)* | | |
| 04 05 23 16-0021 | SF | 0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing | 4.88 | 2.07 |
| 04 05 23 16-0022 | SF | 0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing | 5.11 | 2.07 |
| 04 05 23 16-0023 | SF | 0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing | 5.38 | 2.07 |
| 04 05 23 16-0024 | SF | 0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing | 6.27 | 2.07 |
| 04 05 23 16-0025 | | Copper Through Wall Flashing *(04 05 23 16)* | | |
| 04 05 23 16-0026 | | 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)* | | |
| 04 05 23 16-0027 | SF | 2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing | 7.78 | 1.79 |
| 04 05 23 16-0028 | SF | 3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing | 8.49 | 1.79 |
| 04 05 23 16-0029 | SF | 5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing | 10.44 | 1.79 |
| 04 05 23 16-0030 | SF | 7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing | 12.16 | 1.79 |
| 04 05 23 16-0031 | SF | 10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing | 12.88 | 1.79 |
| 04 05 23 16-0032 | | 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)* | | |
| 04 05 23 16-0033 | SF | 2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing | 8.48 | 1.79 |
| 04 05 23 16-0034 | SF | 3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing | 9.10 | 1.79 |
| 04 05 23 16-0035 | SF | 5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing | 11.35 | 1.79 |
| 04 05 23 16-0036 | SF | 7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing | 13.41 | 1.79 |
| 04 05 23 16-0037 | SF | 10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing | 14.63 | 1.79 |
| 04 05 23 16-0038 | | 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)* | | |
| 04 05 23 16-0039 | SF | 2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing | 7.86 | 1.79 |
| 04 05 23 16-0040 | SF | 3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing | 8.58 | 1.79 |
| 04 05 23 16-0041 | SF | 5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing | 10.51 | 1.79 |
| 04 05 23 16-0042 | SF | 7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing | 12.23 | 1.79 |
| 04 05 23 16-0043 | SF | 10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing | 12.96 | 1.79 |
| 04 05 23 16-0044 | | 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)* | | |
| 04 05 23 16-0045 | SF | 2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing | 7.95 | 1.79 |
| 04 05 23 16-0046 | SF | 3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing | 8.82 | 1.79 |
| 04 05 23 16-0047 | SF | 5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing | 10.08 | 1.79 |
| 04 05 23 16-0048 | SF | 7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing | 12.72 | 1.79 |
| 04 05 23 16-0049 | SF | 10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing | 9.40 | 1.79 |
| 04 05 23 16-0050 | | 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)* | | |
| 04 05 23 16-0051 | SF | 3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing | 10.84 | 1.79 |
| 04 05 23 16-0052 | SF | 5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing | 13.44 | 1.79 |
| 04 05 23 16-0053 | | 2 Sides Glass Fabric, Thru-Wall Copper Flashing *(04 05 23 16-0025)*<br>Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive. | | |
| 04 05 23 16-0054 | SF | 3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing | 9.33 | 1.79 |
| 04 05 23 16-0055 | SF | 5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing | 11.66 | 1.79 |
| **04 05 23 19** | | **Masonry Cavity Drainage, Weepholes, and Vents** *(04 05 23)* | | |
| 04 05 23 19-0001 | | Brick Vents, 4" Deep, With Insect Screen *(04 05 23 19)*<br>Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame. | | |
| 04 05 23 19-0002 | EA | 8-1/8" x 2-3/8" Aluminum Brick Vent | 80.68 | |
| 04 05 23 19-0003 | EA | 8-1/8" x 4-3/4" Aluminum Brick Vent | 100.41 | |
| 04 05 23 19-0004 | EA | 8-1/8" x 7-3/4" Aluminum Brick Vent | 127.36 | |
| 04 05 23 19-0005 | EA | 12" x 2-3/8" Aluminum Brick Vent | 100.11 | |
| 04 05 23 19-0006 | EA | 12" x 4-3/4" Aluminum Brick Vent | 124.12 | |
| 04 05 23 19-0007 | EA | 12" x 7-3/4" Aluminum Brick Vent | 157.84 | |
| 04 05 23 19-0008 | EA | 16-1/2" x 2-3/8" Aluminum Brick Vent | 119.25 | |
| 04 05 23 19-0009 | EA | 16-1/2" x 4-3/4" Aluminum Brick Vent | 162.78 | |
| 04 05 23 19-0010 | EA | 16-1/2" x 7-3/4" Aluminum Brick Vent | 200.19 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 05 23 19-0011 | EA | 24" x 2-3/8" Aluminum Brick Vent | 164.50 | |
| 04 05 23 19-0012 | EA | 24" x 4-3/4" Aluminum Brick Vent | 214.70 | |
| 04 05 23 19-0013 | EA | 24" x 7-3/4" Aluminum Brick Vent | 265.54 | |

# 04 20 Unit Masonry *(04)*

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

## 04 21 Clay Unit Masonry *(04 20)*

### 04 21 13 Brick Masonry *(04 21)*

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

#### 04 21 13 00-0001 Brick Masonry *(04 21 13)*

| | | | | |
|---|---|---|---|---|
| 04 21 13 00-0002 | SF | Standard Size Red Brick, Running Bond<br>Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF) | 25.41 | |
| | | *For Buff Or Gray, Add* | *0.96* | |
| | | *For Common Or American Bond, Add* | *0.79* | |
| | | *For English Bond, Add* | *1.57* | |
| | | *For Flemish Bond, Add* | *3.23* | |
| | | *For Stacked Bond, Add* | *2.25* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.73* | |
| | | *For Curved Wall, Add* | *3.93* | |
| | | *For Corbels, Add* | *14.72* | |
| | | *For Severe Weather (SW) Brick, Add* | *0.87* | |
| | | *For Glazed Brick, Add* | *20.23* | |
| 04 21 13 00-0003 | SF | Engineer Standard Size Red Brick, Running Bond<br>Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF) | 26.34 | |
| | | *For Buff Or Gray, Add* | *1.19* | |
| | | *For Common Or American Bond, Add* | *0.77* | |
| | | *For English Bond, Add* | *1.53* | |
| | | *For Flemish Bond, Add* | *3.24* | |
| | | *For Stacked Bond, Add* | *2.28* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.13* | |
| | | *For Curved Wall, Add* | *3.84* | |
| | | *For Corbels, Add* | *14.39* | |
| | | *For Severe Weather (SW) Brick, Add* | *1.07* | |
| | | *For Glazed Brick, Add* | *25.06* | |
| 04 21 13 00-0004 | SF | Modular Size Red Brick, Running Bond<br>Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF) | 25.41 | |
| | | *For Buff Or Gray, Add* | *0.96* | |
| | | *For Common Or American Bond, Add* | *0.79* | |
| | | *For English Bond, Add* | *1.57* | |
| | | *For Flemish Bond, Add* | *3.23* | |
| | | *For Stacked Bond, Add* | *2.25* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.73* | |
| | | *For Curved Wall, Add* | *3.93* | |
| | | *For Corbels, Add* | *14.72* | |
| | | *For Severe Weather (SW) Brick, Add* | *0.87* | |
| | | *For Glazed Brick, Add* | *20.23* | |
| 04 21 13 00-0005 | SF | Engineer Modular Size Red Brick, Running Bond<br>Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF) | 26.34 | |
| | | *For Buff Or Gray, Add* | *1.19* | |
| | | *For Common Or American Bond, Add* | *0.77* | |
| | | *For English Bond, Add* | *1.53* | |
| | | *For Flemish Bond, Add* | *3.24* | |
| | | *For Stacked Bond, Add* | *2.28* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.13* | |
| | | *For Curved Wall, Add* | *3.84* | |
| | | *For Corbels, Add* | *14.39* | |
| | | *For Severe Weather (SW) Brick, Add* | *1.07* | |
| | | *For Glazed Brick, Add* | *25.06* | |
| 04 21 13 00-0006 | SF | Economy Size Red Brick, Running Bond<br>Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF) | 26.15 | |
| | | *For Buff Or Gray, Add* | *1.16* | |
| | | *For Common Or American Bond, Add* | *0.77* | |
| | | *For English Bond, Add* | *1.53* | |
| | | *For Flemish Bond, Add* | *3.23* | |
| | | *For Stacked Bond, Add* | *2.27* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.12* | |
| | | *For Curved Wall, Add* | *3.84* | |
| | | *For Corbels, Add* | *14.39* | |
| | | *For Severe Weather (SW) Brick, Add* | *1.05* | |
| | | *For Glazed Brick, Add* | *24.40* | |
| 04 21 13 00-0007 | SF | Utility Size Red Brick, Running Bond<br>Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF) | 19.37 | |
| | | *For Buff Or Gray, Add* | *1.00* | |
| | | *For Common Or American Bond, Add* | *0.54* | |
| | | *For English Bond, Add* | *1.07* | |
| | | *For Flemish Bond, Add* | *2.31* | |
| | | *For Stacked Bond, Add* | *1.64* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *20.40* | |
| | | *For Curved Wall, Add* | *2.68* | |
| | | *For Corbels, Add* | *10.05* | |
| | | *For Severe Weather (SW) Brick, Add* | *0.90* | |
| | | *For Glazed Brick, Add* | *20.90* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 21 13 00-0008 | SF | Double Utility Size Red Brick, Running Bond<br>Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF) | 17.58 | |
| | | *For Buff Or Gray, Add* | *0.70* | |
| | | *For Common Or American Bond, Add* | *0.54* | |
| | | *For English Bond, Add* | *1.07* | |
| | | *For Flemish Bond, Add* | *2.22* | |
| | | *For Stacked Bond, Add* | *1.55* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *20.31* | |
| | | *For Curved Wall, Add* | *2.68* | |
| | | *For Corbels, Add* | *10.05* | |
| | | *For Severe Weather (SW) Brick, Add* | *0.63* | |
| | | *For Glazed Brick, Add* | *14.63* | |
| 04 21 13 00-0009 | SF | Norman Size Red Brick, Running Bond<br>Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF) | 26.70 | |
| | | *For Buff Or Gray, Add* | *1.25* | |
| | | *For Common Or American Bond, Add* | *0.77* | |
| | | *For English Bond, Add* | *1.53* | |
| | | *For Flemish Bond, Add* | *3.25* | |
| | | *For Stacked Bond, Add* | *2.29* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.15* | |
| | | *For Curved Wall, Add* | *3.84* | |
| | | *For Corbels, Add* | *14.39* | |
| | | *For Severe Weather (SW) Brick, Add* | *1.13* | |
| | | *For Glazed Brick, Add* | *26.32* | |
| 04 21 13 00-0010 | SF | Roman Size Red Brick, Running Bond<br>Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF) | 28.28 | |
| | | *For Buff Or Gray, Add* | *1.52* | |
| | | *For Common Or American Bond, Add* | *0.77* | |
| | | *For English Bond, Add* | *1.53* | |
| | | *For Flemish Bond, Add* | *3.33* | |
| | | *For Stacked Bond, Add* | *2.37* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.23* | |
| | | *For Curved Wall, Add* | *3.84* | |
| | | *For Corbels, Add* | *14.39* | |
| | | *For Severe Weather (SW) Brick, Add* | *1.37* | |
| | | *For Glazed Brick, Add* | *31.85* | |

### 04 21 13 00-0011 Fire Brick *(04 21 13)*

| | | | | |
|---|---|---|---|---|
| 04 21 13 00-0012 | SF | Running Bond, Red Fire Brick | 29.87 | |
| | | *For Buff Or Gray, Add* | *1.78* | |
| | | *For Common Or American Bond, Add* | *0.77* | |
| | | *For English Bond, Add* | *1.53* | |
| | | *For Flemish Bond, Add* | *3.41* | |
| | | *For Stacked Bond, Add* | *2.45* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.30* | |

### 04 21 13 00-0013 Window Sill *(04 21 13)*

| | | | | |
|---|---|---|---|---|
| 04 21 13 00-0014 | LF | Standard Size Red Brick, Window Sill<br>Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge. | 22.86 | |
| | | *For Buff Or Gray, Add* | *0.29* | |
| 04 21 13 00-0015 | LF | Engineer Standard Size Red Brick, Window Sill<br>Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge. | 23.06 | |
| | | *For Buff Or Gray, Add* | *0.32* | |
| 04 21 13 00-0016 | LF | Modular Size Red Brick, Window Sill<br>Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge. | 22.86 | |
| | | *For Buff Or Gray, Add* | *0.29* | |
| 04 21 13 00-0017 | LF | Engineer Modular Size Red Brick, Window Sill<br>Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge. | 23.20 | |
| | | *For Buff Or Gray, Add* | *0.34* | |
| 04 21 13 00-0018 | LF | Economy Size Red Brick, Window Sill<br>Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge. | 24.10 | |
| | | *For Buff Or Gray, Add* | *0.49* | |
| 04 21 13 00-0019 | LF | Utility Size Red Brick, Window Sill<br>Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge. | 24.28 | |
| | | *For Buff Or Gray, Add* | *0.52* | |
| 04 21 13 00-0020 | LF | Double Utility Size Red Brick, Window Sill<br>Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge. | 24.28 | |
| | | *For Buff Or Gray, Add* | *0.52* | |
| 04 21 13 00-0021 | LF | Norman Size Red Brick, Window Sill<br>Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge. | 23.32 | |
| | | *For Buff Or Gray, Add* | *0.36* | |
| 04 21 13 00-0022 | LF | Roman Size Red Brick, Window Sill<br>Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge. | 23.41 | |
| | | *For Buff Or Gray, Add* | *0.38* | |

## 04 21 19 Clay Tile Masonry *(04 21)*

### 04 21 19 00-0001 Scored Face, Hollow, Clay Backing Tile *(04 21 19)*

### 04 21 19 00-0002 Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 04 21 19 00-0003 | SF | 4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile | 23.91 | |
| | | *For Smooth Face, One Side, Add* | *1.52* | |
| | | *For Smooth Face, Two Sides, Add* | *2.55* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 21 19 00-0004 | SF | 6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile | 26.01 | |
| | | *For Smooth Face, One Side, Add* | *1.68* | |
| | | *For Smooth Face, Two Sides, Add* | *2.84* | |
| 04 21 19 00-0005 | SF | 8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile | 29.23 | |
| | | *For Smooth Face, One Side, Add* | *1.95* | |
| | | *For Smooth Face, Two Sides, Add* | *3.32* | |
| 04 21 19 00-0006 | SF | 10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile | 40.42 | |
| | | *For Smooth Face, One Side, Add* | *3.01* | |
| | | *For Smooth Face, Two Sides, Add* | *5.22* | |
| 04 21 19 00-0007 | SF | 12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile | 53.31 | |
| | | *For Smooth Face, One Side, Add* | *4.20* | |
| | | *For Smooth Face, Two Sides, Add* | *7.34* | |
| 04 21 19 00-0008 | | Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)* | | |
| 04 21 19 00-0009 | SF | 3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile | 19.99 | |
| | | *For Smooth Face, One Side, Add* | *1.22* | |
| | | *For Smooth Face, Two Sides, Add* | *2.04* | |
| 04 21 19 00-0010 | SF | 4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile | 24.03 | |
| | | *For Smooth Face, One Side, Add* | *1.59* | |
| | | *For Smooth Face, Two Sides, Add* | *2.70* | |
| 04 21 19 00-0011 | SF | 6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile | 24.64 | |
| | | *For Smooth Face, One Side, Add* | *1.61* | |
| | | *For Smooth Face, Two Sides, Add* | *2.73* | |
| 04 21 19 00-0012 | SF | 8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile | 37.94 | |
| | | *For Smooth Face, One Side, Add* | *2.87* | |
| | | *For Smooth Face, Two Sides, Add* | *4.99* | |
| 04 21 19 00-0013 | SF | 12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile | 51.88 | |
| | | *For Smooth Face, One Side, Add* | *4.16* | |
| | | *For Smooth Face, Two Sides, Add* | *7.28* | |
| **04 21 26** | | **Glazed Structural Clay Tile Masonry** *(04 21)* | | |
| | | Note: Includes tile and mortar in all colors. | | |
| 04 21 26 00-0001 | | 6T Series Structural Glazed Clay Tile *(04 21 26)* | | |
| 04 21 26 00-0002 | | Glazed On One Side 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)* | | |
| 04 21 26 00-0003 | SF | 2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" | 32.49 | |
| | | *For Stacked Bond, Add* | *2.10* | |
| 04 21 26 00-0004 | SF | 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" | 36.50 | |
| | | *For Stacked Bond, Add* | *2.10* | |
| 04 21 26 00-0005 | SF | 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" | 44.72 | |
| | | *For Stacked Bond, Add* | *2.19* | |
| 04 21 26 00-0006 | | Special Shapes 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)* | | |
| 04 21 26 00-0007 | LF | Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile | 33.91 | |
| | | *For Stacked Bond, Add* | *2.48* | |
| 04 21 26 00-0008 | LF | 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile | 40.59 | |
| | | *For Stacked Bond, Add* | *2.48* | |
| 04 21 26 00-0009 | | 8W Series Structural Glazed Clay Tile *(04 21 26)* | | |
| 04 21 26 00-0010 | | Glazed On One Side 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)* | | |
| 04 21 26 00-0011 | SF | 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" | 25.61 | |
| | | *For Stacked Bond, Add* | *1.33* | |
| 04 21 26 00-0012 | SF | 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" | 31.96 | |
| | | *For Stacked Bond, Add* | *1.43* | |
| 04 21 26 00-0013 | SF | 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" | 44.32 | |
| | | *For Stacked Bond, Add* | *1.52* | |
| 04 21 26 00-0014 | | Special Shapes 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)* | | |
| 04 21 26 00-0015 | LF | Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile | 35.09 | |
| | | *For Stacked Bond, Add* | *1.72* | |
| 04 21 26 00-0016 | LF | 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile | 35.03 | |
| | | *For Stacked Bond, Add* | *1.72* | |
| 04 21 26 00-0017 | | 4W Series Structural Glazed Clay Tile *(04 21 26)* | | |
| 04 21 26 00-0018 | | Glazed On One Side 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)* | | |
| 04 21 26 00-0019 | SF | 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8" | 34.00 | |
| | | *For Stacked Bond, Add* | *2.10* | |
| 04 21 26 00-0020 | SF | 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8" | 36.00 | |
| | | *For Stacked Bond, Add* | *2.10* | |
| 04 21 26 00-0021 | SF | 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8" | 44.98 | |
| | | *For Stacked Bond, Add* | *2.19* | |
| 04 21 26 00-0022 | | Special Shapes 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)* | | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 21 26 00-0023 | LF | Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile | 35.13 | |
| | | *For Stacked Bond, Add* | *2.48* | |
| 04 21 26 00-0024 | LF | 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile | 40.48 | |
| | | *For Stacked Bond, Add* | *2.48* | |

### 04 21 26 00-0025 6T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*

| | | | | |
|---|---|---|---|---|
| 04 21 26 00-0026 | SF | 4" Thick, 6T Sound Absorbing Structural Glazed Tile | 35.14 | |
| 04 21 26 00-0027 | SF | 6" Thick, 6T Sound Absorbing Structural Glazed Tile | 37.99 | |
| 04 21 26 00-0028 | SF | 8" Thick, 6T Sound Absorbing Structural Glazed Tile | 44.32 | |

### 04 21 26 00-0029 8T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*

| | | | | |
|---|---|---|---|---|
| 04 21 26 00-0030 | SF | 4" Thick, 8T Sound Absorbing Structural Glazed Tile | 39.36 | |
| 04 21 26 00-0031 | SF | 6" Thick, 8T Sound Absorbing Structural Glazed Tile | 44.49 | |
| 04 21 26 00-0032 | SF | 8" Thick, 8T Acoustical Glazed Tile | 52.76 | |

## 04 22 Concrete Unit Masonry *(04 20)*

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

### 04 22 23 Architectural Concrete Unit Masonry *(04 22)*

#### 04 22 23 13 Exposed Aggregate Concrete Unit Masonry *(04 22 23)*

### 04 22 23 13-0001 Concrete Blocks *(04 22 23 13)*

### 04 22 23 13-0002 Lightweight Concrete Blocks *(04 22 23 13-0001)*

### 04 22 23 13-0003 Cored, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

| | | | | |
|---|---|---|---|---|
| 04 22 23 13-0004 | SF | 4" x 8" x 16", Cored, Lightweight, Concrete Block | 12.24 | |
| | | *For Stacked Bond, Add* | *2.63* | |
| | | *For Scored Block, Add* | *0.42* | |
| | | *For Curved Wall Application, Add* | *2.03* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *15.35* | |
| 04 22 23 13-0005 | SF | 6" x 8" x 16", Cored, Lightweight, Concrete Block | 13.64 | |
| | | *For Stacked Bond, Add* | *2.85* | |
| | | *For Scored Block, Add* | *0.54* | |
| | | *For Curved Wall Application, Add* | *2.19* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *16.64* | |
| 04 22 23 13-0006 | SF | 8" x 8" x 16", Cored, Lightweight, Concrete Block | 14.79 | |
| | | *For Stacked Bond, Add* | *3.06* | |
| | | *For Scored Block, Add* | *0.60* | |
| | | *For Curved Wall Application, Add* | *2.35* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *17.88* | |
| 04 22 23 13-0007 | SF | 10" x 8" x 16", Cored, Lightweight, Concrete Block | 16.34 | |
| | | *For Stacked Bond, Add* | *3.20* | |
| | | *For Scored Block, Add* | *0.81* | |
| | | *For Curved Wall Application, Add* | *2.46* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *18.77* | |
| 04 22 23 13-0008 | SF | 12" x 8" x 16", Cored, Lightweight, Concrete Block | 19.52 | |
| | | *For Stacked Bond, Add* | *3.95* | |
| | | *For Scored Block, Add* | *0.87* | |
| | | *For Curved Wall Application, Add* | *3.04* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *23.11* | |

### 04 22 23 13-0009 Solid, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

| | | | | |
|---|---|---|---|---|
| 04 22 23 13-0010 | SF | 4" x 8" x 16", Solid, Lightweight, Concrete Block | 13.21 | |
| | | *For Stacked Bond, Add* | *2.70* | |
| | | *For Scored Block, Add* | *0.56* | |
| | | *For Curved Wall Application, Add* | *2.08* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *15.80* | |
| 04 22 23 13-0011 | SF | 6" x 8" x 16", Solid, Lightweight, Concrete Block | 14.48 | |
| | | *For Stacked Bond, Add* | *2.97* | |
| | | *For Scored Block, Add* | *0.61* | |
| | | *For Curved Wall Application, Add* | *2.29* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *17.37* | |
| 04 22 23 13-0012 | SF | 8" x 8" x 16", Solid, Lightweight, Concrete Block | 15.28 | |
| | | *For Stacked Bond, Add* | *3.15* | |
| | | *For Scored Block, Add* | *0.63* | |
| | | *For Curved Wall Application, Add* | *2.43* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *18.43* | |
| 04 22 23 13-0013 | SF | 10" x 8" x 16", Solid, Lightweight, Concrete Block | 17.06 | |
| | | *For Stacked Bond, Add* | *3.30* | |
| | | *For Scored Block, Add* | *0.87* | |
| | | *For Curved Wall Application, Add* | *2.54* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *19.38* | |
| 04 22 23 13-0014 | SF | 12" x 8" x 16", Solid, Lightweight, Concrete Block | 20.35 | |
| | | *For Stacked Bond, Add* | *4.08* | |
| | | *For Scored Block, Add* | *0.93* | |
| | | *For Curved Wall Application, Add* | *3.14* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *23.88* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 04 22 23 13-0015 Normal Weight Concrete Blocks *(04 22 23 13-0001)*

## 04 22 23 13-0016 Cored, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

| | | | | |
|---|---|---|---|---|
| 04 22 23 13-0017 | SF | 4" x 8" x 16", Cored, Normal Weight, Concrete Block | 12.50 | |
| | | *For Stacked Bond, Add* | *2.70* | |
| | | *For Scored Block, Add* | *0.42* | |
| | | *For Curved Wall Application, Add* | *2.08* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *15.74* | |
| | | *For 3,500 PSI, Add* | *0.44* | |
| | | *For 5,000 PSI, Add* | *0.76* | |
| 04 22 23 13-0018 | SF | 6" x 8" x 16", Cored, Normal Weight, Concrete Block | 13.85 | |
| | | *For Stacked Bond, Add* | *2.97* | |
| | | *For Scored Block, Add* | *0.48* | |
| | | *For Curved Wall Application, Add* | *2.29* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *17.33* | |
| | | *For 3,500 PSI, Add* | *0.51* | |
| | | *For 5,000 PSI, Add* | *0.87* | |
| 04 22 23 13-0019 | SF | 8" x 8" x 16", Cored, Normal Weight, Concrete Block | 14.91 | |
| | | *For Stacked Bond, Add* | *3.15* | |
| | | *For Scored Block, Add* | *0.56* | |
| | | *For Curved Wall Application, Add* | *2.43* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *18.40* | |
| | | *For 3,500 PSI, Add* | *0.58* | |
| | | *For 5,000 PSI, Add* | *1.00* | |
| 04 22 23 13-0020 | SF | 10" x 8" x 16", Cored, Normal Weight, Concrete Block | 18.07 | |
| | | *For Stacked Bond, Add* | *3.30* | |
| | | *For Scored Block, Add* | *1.07* | |
| | | *For Curved Wall Application, Add* | *2.54* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *19.45* | |
| | | *For 3,500 PSI, Add* | *1.13* | |
| | | *For 5,000 PSI, Add* | *1.93* | |
| 04 22 23 13-0021 | SF | 12" x 8" x 16", Cored, Normal Weight, Concrete Block | 21.23 | |
| | | *For Stacked Bond, Add* | *4.08* | |
| | | *For Scored Block, Add* | *1.11* | |
| | | *For Curved Wall Application, Add* | *3.14* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *23.95* | |
| | | *For 3,500 PSI, Add* | *1.16* | |
| | | *For 5,000 PSI, Add* | *1.99* | |

## 04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

| | | | | |
|---|---|---|---|---|
| 04 22 23 13-0023 | SF | 4" x 8" x 16", Solid, Normal Weight, Concrete Block | 13.35 | |
| | | *For Stacked Bond, Add* | *2.77* | |
| | | *For Scored Block, Add* | *0.54* | |
| | | *For Curved Wall Application, Add* | *2.13* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *16.21* | |
| | | *For 3,500 PSI, Add* | *0.56* | |
| | | *For 5,000 PSI, Add* | *0.96* | |
| 04 22 23 13-0024 | SF | 6" x 8" x 16", Solid, Normal Weight, Concrete Block | 14.25 | |
| | | *For Stacked Bond, Add* | *3.06* | |
| | | *For Scored Block, Add* | *0.50* | |
| | | *For Curved Wall Application, Add* | *2.35* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *17.84* | |
| | | *For 3,500 PSI, Add* | *0.52* | |
| | | *For 5,000 PSI, Add* | *0.89* | |
| 04 22 23 13-0025 | SF | 8" x 8" x 16", Solid, Normal Weight, Concrete Block | 15.39 | |
| | | *For Stacked Bond, Add* | *3.25* | |
| | | *For Scored Block, Add* | *0.58* | |
| | | *For Curved Wall Application, Add* | *2.50* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *18.97* | |
| | | *For 3,500 PSI, Add* | *0.61* | |
| | | *For 5,000 PSI, Add* | *1.04* | |
| 04 22 23 13-0026 | SF | 10" x 8" x 16", Solid, Normal Weight, Concrete Block | 16.98 | |
| | | *For Stacked Bond, Add* | *3.41* | |
| | | *For Scored Block, Add* | *0.77* | |
| | | *For Curved Wall Application, Add* | *2.62* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *19.97* | |
| | | *For 3,500 PSI, Add* | *0.81* | |
| | | *For 5,000 PSI, Add* | *1.39* | |
| 04 22 23 13-0027 | SF | 12" x 8" x 16", Solid, Normal Weight, Concrete Block | 20.27 | |
| | | *For Stacked Bond, Add* | *4.22* | |
| | | *For Scored Block, Add* | *0.81* | |
| | | *For Curved Wall Application, Add* | *3.25* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *24.66* | |
| | | *For 3,500 PSI, Add* | *0.85* | |
| | | *For 5,000 PSI, Add* | *1.45* | |

## 04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks *(04 22 23 13)*

## 04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 22 23 13-0030 | LF | 6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block | 14.27 | |
| | | *For Stacked Bond, Add* | *2.85* | |
| | | *For Grout And Fill With 2 #5 Rebar, Add* | *8.79* | |
| | | *For Scored Block, Add* | *0.66* | |
| | | *For Curved Wall Application, Add* | *2.19* | |
| 04 22 23 13-0031 | LF | 8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block | 15.77 | |
| | | *For Stacked Bond, Add* | *3.06* | |
| | | *For Grout And Fill With 2 #5 Rebar, Add* | *9.89* | |
| | | *For Scored Block, Add* | *0.80* | |
| | | *For Curved Wall Application, Add* | *2.35* | |
| 04 22 23 13-0032 | LF | 12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block | 19.44 | |
| | | *For Stacked Bond, Add* | *3.95* | |
| | | *For Grout And Fill With 2 #5 Rebar, Add* | *11.85* | |
| | | *For Scored Block, Add* | *0.85* | |
| | | *For Curved Wall Application, Add* | *3.04* | |

### 04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

| | | | | |
|---|---|---|---|---|
| 04 22 23 13-0034 | LF | 6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block | 14.26 | |
| | | *For Stacked Bond, Add* | *2.97* | |
| | | *For Grout And Fill With 2 #5 Rebar, Add* | *8.55* | |
| | | *For Scored Block, Add* | *0.57* | |
| | | *For Curved Wall Application, Add* | *2.29* | |
| | | *For 3,500 PSI, Add* | *0.59* | |
| | | *For 5,000 PSI, Add* | *1.02* | |
| 04 22 23 13-0035 | LF | 8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block | 15.66 | |
| | | *For Stacked Bond, Add* | *3.15* | |
| | | *For Grout And Fill With 2 #5 Rebar, Add* | *9.60* | |
| | | *For Scored Block, Add* | *0.71* | |
| | | *For Curved Wall Application, Add* | *2.43* | |
| | | *For 3,500 PSI, Add* | *0.74* | |
| | | *For 5,000 PSI, Add* | *1.27* | |
| 04 22 23 13-0036 | LF | 12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block | 19.47 | |
| | | *For Stacked Bond, Add* | *4.08* | |
| | | *For Grout And Fill With 2 #5 Rebar, Add* | *11.63* | |
| | | *For Scored Block, Add* | *0.76* | |
| | | *For Curved Wall Application, Add* | *3.14* | |
| | | *For 3,500 PSI, Add* | *0.79* | |
| | | *For 5,000 PSI, Add* | *1.36* | |

## 04 22 23 23 Prefaced Concrete Unit Masonry *(04 22 23)*

### 04 22 23 23-0001 Ground Face Concrete Blocks *(04 22 23 23)*

| | | | | |
|---|---|---|---|---|
| 04 22 23 23-0002 | SF | 4" x 8" x 16", Ground Face, Concrete Block | 16.09 | |
| | | *For Stacked Bond, Add* | *3.30* | |
| | | *For Scored Block, Add* | *0.68* | |
| | | *For Curved Wall Application, Add* | *2.54* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *19.30* | |
| 04 22 23 23-0003 | SF | 6" x 8" x 16", Ground Face, Concrete Block | 18.15 | |
| | | *For Stacked Bond, Add* | *3.72* | |
| | | *For Scored Block, Add* | *0.77* | |
| | | *For Curved Wall Application, Add* | *2.86* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *21.72* | |
| 04 22 23 23-0004 | SF | 8" x 8" x 16", Ground Face, Concrete Block | 19.66 | |
| | | *For Stacked Bond, Add* | *3.93* | |
| | | *For Scored Block, Add* | *0.91* | |
| | | *For Curved Wall Application, Add* | *3.02* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *22.99* | |
| 04 22 23 23-0005 | SF | 10" x 8" x 16", Ground Face, Concrete Block | 21.04 | |
| | | *For Stacked Bond, Add* | *4.16* | |
| | | *For Scored Block, Add* | *1.01* | |
| | | *For Curved Wall Application, Add* | *3.20* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *24.39* | |
| 04 22 23 23-0006 | SF | 12" x 8" x 16", Ground Face, Concrete Block | 25.11 | |
| | | *For Stacked Bond, Add* | *5.10* | |
| | | *For Scored Block, Add* | *1.10* | |
| | | *For Curved Wall Application, Add* | *3.92* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.83* | |

## 04 22 23 26 Sound-Absorbing Concrete Unit Masonry *(04 22 23)*

### 04 22 23 26-0001 Slotted, Acoustical Concrete Block *(04 22 23 26)*

| | | | | |
|---|---|---|---|---|
| 04 22 23 26-0002 | SF | 4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block | 22.06 | |
| | | *For Stacked Bond, Add* | *3.30* | |
| | | *For Curved Wall Application, Add* | *2.54* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *19.75* | |
| 04 22 23 26-0003 | SF | 6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block | 24.77 | |
| | | *For Stacked Bond, Add* | *3.59* | |
| | | *For Curved Wall Application, Add* | *2.76* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *21.52* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 22 23 26-0004 | SF | 8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block | 28.62 | |
| | | *For Stacked Bond, Add* | *3.93* | |
| | | *For Curved Wall Application, Add* | *3.02* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *23.66* | |

## 04 22 23 29 Split-Face Concrete Unit Masonry *(04 22 23)*

### 04 22 23 29-0001 Split Face, Concrete Blocks *(04 22 23 29)*

### 04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks *(04 22 23 29-0001)*

| | | | | |
|---|---|---|---|---|
| 04 22 23 29-0003 | SF | 4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block | 16.49 | |
| | | *For Stacked Bond, Add* | *3.30* | |
| | | *For Curved Wall Application, Add* | *2.54* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *19.33* | |
| 04 22 23 29-0004 | SF | 6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block | 18.62 | |
| | | *For Stacked Bond, Add* | *3.72* | |
| | | *For Curved Wall Application, Add* | *2.86* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *21.76* | |
| 04 22 23 29-0005 | SF | 8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block | 20.20 | |
| | | *For Stacked Bond, Add* | *3.93* | |
| | | *For Curved Wall Application, Add* | *3.02* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *23.03* | |
| 04 22 23 29-0006 | SF | 10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block | 21.68 | |
| | | *For Stacked Bond, Add* | *4.16* | |
| | | *For Curved Wall Application, Add* | *3.20* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *24.44* | |
| 04 22 23 29-0007 | SF | 12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block | 25.49 | |
| | | *For Stacked Bond, Add* | *5.10* | |
| | | *For Curved Wall Application, Add* | *3.92* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.86* | |

### 04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks *(04 22 23 29-0001)*

| | | | | |
|---|---|---|---|---|
| 04 22 23 29-0009 | SF | 4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block | 17.44 | |
| | | *For Stacked Bond, Add* | *3.30* | |
| | | *For Grout And Fill With 2 #5 Rebar, Add* | *11.09* | |
| | | *For Curved Wall Application, Add* | *2.54* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *19.41* | |
| 04 22 23 29-0010 | SF | 6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block | 19.70 | |
| | | *For Stacked Bond, Add* | *3.72* | |
| | | *For Grout And Fill With 2 #5 Rebar, Add* | *12.56* | |
| | | *For Curved Wall Application, Add* | *2.86* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *21.84* | |
| 04 22 23 29-0011 | SF | 8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block | 21.48 | |
| | | *For Stacked Bond, Add* | *3.93* | |
| | | *For Grout And Fill With 2 #5 Rebar, Add* | *13.93* | |
| | | *For Curved Wall Application, Add* | *3.02* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *23.13* | |
| 04 22 23 29-0012 | SF | 10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block | 23.10 | |
| | | *For Stacked Bond, Add* | *4.16* | |
| | | *For Grout And Fill With 2 #5 Rebar, Add* | *15.10* | |
| | | *For Curved Wall Application, Add* | *3.20* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *24.55* | |
| 04 22 23 29-0013 | SF | 12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block | 26.96 | |
| | | *For Stacked Bond, Add* | *5.10* | |
| | | *For Grout And Fill With 2 #5 Rebar, Add* | *17.16* | |
| | | *For Curved Wall Application, Add* | *3.92* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.97* | |

### 04 22 23 29-0014 Split Rib, Concrete Block *(04 22 23 29)*

### 04 22 23 29-0015 Split Rib, Concrete Block *(04 22 23 29-0014)*

| | | | | |
|---|---|---|---|---|
| 04 22 23 29-0016 | SF | 4" x 8" x 16", Split Rib, Concrete Block | 16.19 | |
| | | *For Stacked Bond, Add* | *3.30* | |
| | | *For Curved Wall Application, Add* | *2.54* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *19.31* | |
| 04 22 23 29-0017 | SF | 6" x 8" x 16", Split Rib, Concrete Block | 19.32 | |
| | | *For Stacked Bond, Add* | *3.72* | |
| | | *For Curved Wall Application, Add* | *2.86* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *21.81* | |
| 04 22 23 29-0018 | SF | 8" x 8" x 16", Split Rib, Concrete Block | 20.57 | |
| | | *For Stacked Bond, Add* | *3.93* | |
| | | *For Curved Wall Application, Add* | *3.02* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *23.06* | |
| 04 22 23 29-0019 | SF | 10" x 8" x 16", Split Rib, Concrete Block | 21.98 | |
| | | *For Stacked Bond, Add* | *4.16* | |
| | | *For Curved Wall Application, Add* | *3.20* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *24.46* | |
| 04 22 23 29-0020 | SF | 12" x 8" x 16", Split Rib, Concrete Block | 26.15 | |
| | | *For Stacked Bond, Add* | *5.10* | |
| | | *For Curved Wall Application, Add* | *3.92* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 04 22 23 31 Glazed Concrete Masonry Unit *(04 22 23)*

04 22 23 31-0001 One Glazed Face, Concrete Blocks *(04 22 23 31)*

04 22 23 31-0002 One Glazed Face, Concrete Blocks *(04 22 23 31-0001)*

| | | | | |
|---|---|---|---|---|
| 04 22 23 31-0003 | SF | 4" x 8" x 16", One Glazed Face, Concrete Block | 29.08 | |
| | | *For Stacked Bond, Add* | *3.20* | |
| | | *For Curved Wall Application, Add* | *2.46* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *19.72* | |
| 04 22 23 31-0004 | SF | 6" x 8" x 16", One Glazed Face, Concrete Block | 31.12 | |
| | | *For Stacked Bond, Add* | *3.53* | |
| | | *For Curved Wall Application, Add* | *2.71* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *21.66* | |
| 04 22 23 31-0005 | SF | 8" x 8" x 16", One Glazed Face, Concrete Block | 32.96 | |
| | | *For Stacked Bond, Add* | *3.72* | |
| | | *For Curved Wall Application, Add* | *2.86* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *22.84* | |
| 04 22 23 31-0006 | SF | 10" x 8" x 16", One Glazed Face, Concrete Block | 34.91 | |
| | | *For Stacked Bond, Add* | *3.93* | |
| | | *For Curved Wall Application, Add* | *3.02* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *24.14* | |
| 04 22 23 31-0007 | SF | 12" x 8" x 16", One Glazed Face, Concrete Block | 39.25 | |
| | | *For Stacked Bond, Add* | *4.80* | |
| | | *For Curved Wall Application, Add* | *3.69* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *29.26* | |

04 22 23 31-0008 Two Glazed Faces, Concrete Blocks *(04 22 23 31)*

04 22 23 31-0009 Two Glazed Faces, Concrete Blocks *(04 22 23 31-0008)*

| | | | | |
|---|---|---|---|---|
| 04 22 23 31-0010 | SF | 4" x 8" x 16", Two Glazed Faces, Concrete Block | 38.94 | |
| | | *For Stacked Bond, Add* | *3.65* | |
| | | *For Curved Wall Application, Add* | *2.81* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *22.93* | |
| 04 22 23 31-0011 | SF | 6" x 8" x 16", Two Glazed Faces, Concrete Block | 40.83 | |
| | | *For Stacked Bond, Add* | *3.93* | |
| | | *For Curved Wall Application, Add* | *3.02* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *24.58* | |
| 04 22 23 31-0012 | SF | 8" x 8" x 16", Two Glazed Faces, Concrete Block | 43.51 | |
| | | *For Stacked Bond, Add* | *4.33* | |
| | | *For Curved Wall Application, Add* | *3.33* | |
| | | *For <10, Small Area Replacements (Individual Areas), Add* | *27.02* | |

## 04 23 Glass Unit Masonry *(04 20)*

### 04 23 13 Vertical Glass Unit Masonry *(04 23)*

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry *(04 23 13)*

| | | | | |
|---|---|---|---|---|
| 04 23 13 00-0002 | SF | 6" x 6" x 4" Plain Glass Block | 88.39 | |
| | | *For Solar Reflective (Suntrol) Blocks, Add* | *19.60* | |
| | | *For Essex (Horizontal Striated) Blocks, Add* | *11.20* | |
| | | *For Sculptured Or Patterned Blocks, Add* | *19.60* | |
| | | *For Colored Glass, Add* | *56.00* | |
| | | *For Thinline Block, Deduct* | *-14.00* | |
| | | *For >1,000 To 5,000, Deduct* | *-6.02* | |
| | | *For >5,000, Deduct* | *-10.44* | |
| 04 23 13 00-0003 | SF | 8" x 8" x 4" Plain Glass Block | 63.45 | |
| | | *For Solar Reflective (Suntrol) Blocks, Add* | *13.87* | |
| | | *For Essex (Horizontal Striated) Blocks, Add* | *7.93* | |
| | | *For Sculptured Or Patterned Blocks, Add* | *13.87* | |
| | | *For Colored Glass, Add* | *39.64* | |
| | | *For Thinline Block, Deduct* | *-9.91* | |
| | | *For >1,000 To 5,000, Deduct* | *-4.35* | |
| | | *For >5,000, Deduct* | *-7.52* | |
| 04 23 13 00-0004 | SF | 12" x 12" x 4" Plain Glass Block | 72.56 | |
| | | *For Solar Reflective (Suntrol) Blocks, Add* | *17.73* | |
| | | *For Essex (Horizontal Striated) Blocks, Add* | *10.13* | |
| | | *For Sculptured Or Patterned Blocks, Add* | *17.73* | |
| | | *For Colored Glass, Add* | *50.65* | |
| | | *For Thinline Block, Deduct* | *-12.66* | |
| | | *For >1,000 To 5,000, Deduct* | *-4.71* | |
| | | *For >5,000, Deduct* | *-8.34* | |

04 23 13 00-0005 Solid Glass Block (Vistabrik®) *(04 23 13)*

| | | | |
|---|---|---|---|
| 04 23 13 00-0006 | SF | 3" x 8" x 3" Solid Glass Block (Vistabrik®) | 926.21 |
| 04 23 13 00-0007 | SF | 4" x 8" x 3" Solid Glass Block (Vistabrik®) | 699.87 |
| 04 23 13 00-0008 | SF | 6" x 8" x 3" Solid Glass Block (Vistabrik®) | 476.24 |
| 04 23 13 00-0009 | SF | 8" x 8" x 3" Solid Glass Block (Vistabrik®) | 333.01 |

## 04 40 Stone Assemblies *(04)*

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

## 04 41 Dry-Placed Stone *(04 40)*

### 04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone *(04 41)*

| | | | | |
|---|---|---|---|---|
| 04 41 00 00-0002 | SF | 4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone | 25.84 | 7.56 |
| 04 41 00 00-0003 | SF | 6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone | 26.30 | 7.56 |

## 04 42 Exterior Stone Cladding *(04 40)*

### 04 42 43 Stone Panels for Curtain Walls *(04 42)*

### 04 42 43 00-0001 Marble Facing Panels *(04 42 43)*

Note: 3' x 1.5'

| | | | | |
|---|---|---|---|---|
| 04 42 43 00-0002 | SF | 3/4" Thick Marble Facing Panels | 59.07 | 17.24 |
| 04 42 43 00-0003 | SF | 7/8" Thick Marble Facing Panels | 61.82 | 17.47 |
| 04 42 43 00-0004 | SF | 1-1/2" Thick Marble Facing Panels | 69.82 | 17.80 |
| 04 42 43 00-0005 | SF | 2" Thick Marble Facing Panels | 75.91 | 18.36 |
| 04 42 43 00-0006 | SF | 2-1/4" Thick Marble Facing Panels | 80.81 | 19.47 |
| 04 42 43 00-0007 | CF | Marble Face Panel | 327.85 | 63.43 |

### 04 42 43 00-0008 Smooth Limestone Panels *(04 42 43)*

Note: Up to 12' x 5' panels.

| | | | | |
|---|---|---|---|---|
| 04 42 43 00-0009 | SF | 1-1/2" Thick Smooth Limestone Panels | 59.31 | 34.61 |
| 04 42 43 00-0010 | SF | 2" Thick Smooth Limestone Panels | 62.87 | 36.28 |
| 04 42 43 00-0011 | SF | 3" Thick Smooth Limestone Panels | 66.60 | 37.95 |
| 04 42 43 00-0012 | SF | 4" Thick Smooth Limestone Panels | 77.00 | 41.73 |

### 04 42 43 00-0013 Sandstone Panels *(04 42 43)*

| | | | | |
|---|---|---|---|---|
| 04 42 43 00-0014 | SF | 2-1/2" Thick Sandstone Panels | 67.74 | 36.28 |
| 04 42 43 00-0015 | SF | 4" Thick Sandstone Panels | 74.52 | 41.73 |
| 04 42 43 00-0016 | SF | Split Face Sandstone Panels, Random Sizes | 68.73 | 41.73 |

## 04 43 Stone Masonry *(04 40)*

### 04 43 16 Stone Fabrications *(04 43)*

### 04 43 16 00-0001 Marble *(04 43 16)*

### 04 43 16 00-0002 Marble Base *(04 43 16 00-0001)*

Note: 1" thick.

| | | | | |
|---|---|---|---|---|
| 04 43 16 00-0003 | LF | 4" High Marble Base | 103.33 | 69.32 |
| 04 43 16 00-0004 | LF | 6" High Marble Base | 115.75 | 75.51 |

### 04 43 16 00-0005 Marble Columns *(04 43 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 04 43 16 00-0006 | CF | Plain Faced Solid Marble Columns | 239.67 | 63.43 |
| 04 43 16 00-0007 | CF | Fluted, Carved Solid Marble Columns | 369.22 | 63.43 |

### 04 43 16 00-0008 Marble Flooring *(04 43 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 04 43 16 00-0009 | SF | 3/8" Uniform Color Marble Flooring | 27.29 | 15.87 |
| 04 43 16 00-0010 | SF | 1/2" Uniform Color Marble Flooring | 28.73 | 15.87 |
| 04 43 16 00-0011 | SF | 1/2" Travertine Marble Flooring | 34.02 | 18.13 |

### 04 43 16 00-0012 Marble Items *(04 43 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 04 43 16 00-0013 | LF | 12" Wide Marble Stair Treads | 64.35 | 24.96 |
| 04 43 16 00-0014 | LF | 6" Wide Marble Stair Risers | 49.46 | 20.01 |
| 04 43 16 00-0015 | LF | 6" Wide x 2" Thick Marble Window Sills | 31.00 | 14.84 |
| 04 43 16 00-0016 | LF | 5" Wide x 7/8" Thick Marble Window Stool, Polished | 55.19 | 18.22 |
| 04 43 16 00-0017 | SF | 7/8" Thick, Non-Skid, Marble Patio Blocks | 37.31 | 23.01 |

### 04 43 16 00-0018 Limestone *(04 43 16)*

### 04 43 16 00-0019 Ashlar Veneer Limestone *(04 43 16 00-0018)*

| | | | | |
|---|---|---|---|---|
| 04 43 16 00-0020 | SF | 4" Ashlar Veneer Limestone, Random Sizes | 59.32 | 24.96 |
| 04 43 16 00-0021 | SF | 6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes | 89.82 | 34.29 |

### 04 43 16 00-0022 Limestone Coping *(04 43 16 00-0018)*

Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.

| | | | | |
|---|---|---|---|---|
| 04 43 16 00-0023 | SF | 2-1/2" Thick Limestone Coping | 28.97 | 8.91 |
| 04 43 16 00-0024 | SF | 3" Thick Limestone Coping | 32.31 | 9.46 |
| 04 43 16 00-0025 | SF | 3-1/2" Thick Limestone Coping | 35.67 | 10.02 |
| 04 43 16 00-0026 | SF | 4" Thick Limestone Coping | 37.90 | 10.35 |
| 04 43 16 00-0027 | SF | 5" Thick Limestone Coping | 43.48 | 10.57 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 43 16 00-0028 | SF | 6" Thick Limestone Coping | 62.21 | 11.12 |
| 04 43 16 00-0029 | CF | >6" Thick Limestone Coping | 102.25 | 22.54 |
| 04 43 16 00-0030 | | Limestone Stair Treads *(04 43 16 00-0018)* | | |
| 04 43 16 00-0031 | SF | 2" Thick Limestone Treads | 35.14 | 8.35 |
| 04 43 16 00-0032 | SF | 2-1/2" Thick Limestone Treads | 37.32 | 8.91 |
| 04 43 16 00-0033 | SF | 3" Thick Limestone Treads | 41.66 | 9.46 |
| 04 43 16 00-0034 | SF | 3-1/2" Thick Limestone Treads | 44.91 | 10.02 |
| 04 43 16 00-0035 | SF | 4" Thick Limestone Treads | 48.13 | 10.02 |
| 04 43 16 00-0036 | SF | 5" Thick Limestone Treads | 52.37 | 10.57 |
| 04 43 16 00-0037 | SF | 6" Thick Limestone Tread, Smooth Finish | 71.33 | 11.12 |
| 04 43 16 00-0038 | | Limestone Items *(04 43 16 00-0018)* | | |
| 04 43 16 00-0039 | CF | Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim | 181.83 | 84.53 |
| 04 43 16 00-0040 | | Granite *(04 43 16)* | | |
| 04 43 16 00-0041 | | Polished Granite Veneer Facing Panels *(04 43 16 00-0040)* | | |
| | | Note: Excludes structural support steel. | | |
| 04 43 16 00-0042 | SF | 7/8" Thick Black Polished Granite Veneer Facing Panels | 116.18 | 34.84 |
| 04 43 16 00-0043 | SF | 7/8" Thick Gray Polished Granite Veneer Facing Panels | 105.14 | 34.84 |
| 04 43 16 00-0044 | | Granite Stair Treads *(04 43 16 00-0040)* | | |
| 04 43 16 00-0045 | SF | 2" Thick Granite Stair Tread | 68.20 | 8.35 |
| 04 43 16 00-0046 | | Slate *(04 43 16)* | | |
| 04 43 16 00-0047 | | Slate Panels Or Sills *(04 43 16 00-0046)* | | |
| 04 43 16 00-0048 | SF | 1" Thick Slate Panels | 61.10 | 34.84 |
| 04 43 16 00-0049 | SF | 2" Thick Slate Panels | 70.62 | 34.84 |
| 04 43 16 00-0050 | | Slate Sills Or Stools *(04 43 16 00-0046)* | | |
| 04 43 16 00-0051 | LF | 6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish | 27.70 | 14.94 |
| 04 43 16 00-0052 | LF | 10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish | 33.75 | 14.94 |
| 04 43 16 00-0053 | LF | 6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish | 32.90 | 14.94 |
| 04 43 16 00-0054 | LF | 10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish | 45.88 | 14.94 |
| 04 43 16 00-0055 | | Slate Stair Treads *(04 43 16 00-0046)* | | |
| 04 43 16 00-0056 | SF | 2" Thick Slate Stair Tread | 41.03 | 8.35 |

# 04 50 Refractory Masonry *(04)*

## 04 51 Flue Liner Masonry *(04 50)*

Note: Includes mortar joints.

| | | | | |
|---|---|---|---|---|
| 04 51 00 00-0001 | | Rectangular Flue Liners *(04 51)* | | |
| 04 51 00 00-0002 | VLF | 4" x 8" Clay Flue Liners | 18.90 | |
| 04 51 00 00-0003 | VLF | 8" x 8" Clay Flue Liners | 25.98 | |
| 04 51 00 00-0004 | VLF | 8" x 12" Clay Flue Liners | 29.64 | |
| 04 51 00 00-0005 | VLF | 12" x 12" Clay Flue Liners | 36.87 | |
| 04 51 00 00-0006 | VLF | 12" x 16" Clay Flue Liners | 44.93 | |
| 04 51 00 00-0007 | VLF | 12" x 18" Clay Flue Liners | 51.05 | |
| 04 51 00 00-0008 | VLF | 16" x 16" Clay Flue Liners | 55.69 | |
| 04 51 00 00-0009 | VLF | 16" x 20" Clay Flue Liners | 68.61 | |
| 04 51 00 00-0010 | VLF | 18" x 18" Clay Flue Liners | 73.29 | |
| 04 51 00 00-0011 | VLF | 20" x 20" Clay Flue Liners | 94.33 | |
| 04 51 00 00-0012 | VLF | 20" x 24" Clay Flue Liners | 102.74 | |
| 04 51 00 00-0013 | VLF | 24" x 24" Clay Flue Liners | 121.75 | |
| 04 51 00 00-0014 | | Round Flue Liners *(04 51)* | | |
| 04 51 00 00-0015 | VLF | 6" Diameter Clay Flue Liners | 45.93 | |
| 04 51 00 00-0016 | VLF | 8" Diameter Clay Flue Liners | 66.63 | |
| 04 51 00 00-0017 | VLF | 10" Diameter Clay Flue Liners | 87.54 | |
| 04 51 00 00-0018 | VLF | 12" Diameter Clay Flue Liners | 106.55 | |
| 04 51 00 00-0019 | VLF | 15" Diameter Clay Flue Liners | 130.58 | |
| 04 51 00 00-0020 | VLF | 18" Diameter Clay Flue Liners | 141.13 | |
| 04 51 00 00-0021 | VLF | 21" Diameter Clay Flue Liners | 180.00 | |
| 04 51 00 00-0022 | VLF | 24" Diameter Clay Flue Liners | 220.98 | |
| 04 51 00 00-0023 | VLF | 27" Diameter Clay Flue Liners | 255.00 | |
| 04 51 00 00-0024 | VLF | 30" Diameter Clay Flue Liners | 290.03 | |
| 04 51 00 00-0025 | VLF | 33" Diameter Clay Flue Liners | 304.27 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 04 51 00 00-0026 | VLF | 36" Diameter Clay Flue Liners | 309.78 | |
| 04 51 00 00-0027 | | **Standard Chimney Block** *(04 51)* | | |
| | | Note: Includes refractory mortar. Excludes flue liners. | | |
| 04 51 00 00-0028 | EA | 14" x 14" x 8" Concrete Block Chimney Unit | 32.32 | |
| 04 51 00 00-0029 | EA | 14" x 18" x 8" Concrete Block Chimney Unit | 35.52 | |
| 04 51 00 00-0030 | EA | 16" x 16" x 8" Concrete Block Chimney Unit | 35.74 | |
| 04 51 00 00-0031 | EA | 17" x 17" x 8" Concrete Block Chimney Unit | 37.54 | |
| 04 51 00 00-0032 | EA | 16" x 20" x 8" Concrete Block Chimney Unit | 39.54 | |
| 04 51 00 00-0033 | EA | 17" x 21" x 8" Concrete Block Chimney Unit | 41.71 | |
| 04 51 00 00-0034 | EA | 21" x 21" x 8" Concrete Block Chimney Unit | 47.17 | |

# 04 70 Manufactured Masonry *(04)*

## 04 72 Cast Stone Masonry *(04 70)*

| | | | | |
|---|---|---|---|---|
| 04 72 00 00-0001 | | **Solid Precast Concrete Lintels** *(04 72)* | | |
| 04 72 00 00-0002 | | **Solid Precast Concrete Lintels** *(04 72 00 00-0001)* | | |
| 04 72 00 00-0003 | LF | 4" x 8", Solid Precast Concrete Lintel | 17.80 | |
| 04 72 00 00-0004 | LF | 6" x 8", Solid Precast Concrete Lintel | 22.88 | |
| 04 72 00 00-0005 | LF | 8" x 8", Solid Precast Concrete Lintel | 28.40 | |
| 04 72 00 00-0006 | | **U Shaped Precast Concrete Lintels** *(04 72 00 00-0001)* | | |
| | | Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill. | | |
| 04 72 00 00-0007 | LF | 6" x 8", U Shaped Precast Concrete Lintel | 19.09 | |
| 04 72 00 00-0008 | LF | 8" x 8", U Shaped Precast Concrete Lintel | 23.26 | |
| 04 72 00 00-0009 | LF | 12" x 8", U Shaped Precast Concrete Lintel | 38.79 | |
| 04 72 00 00-0010 | | **Precast Concrete Coping** *(04 72)* | | |
| | | Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings. | | |
| 04 72 00 00-0011 | | **Precast Concrete Coping** *(04 72 00 00-0010)* | | |
| | | Note: Measured at highest point. | | |
| 04 72 00 00-0012 | SF | 2" Thick Precast Concrete Coping | 53.15 | 12.21 |
| 04 72 00 00-0013 | SF | 2-1/2" Thick Precast Concrete Coping | 59.89 | 13.15 |
| 04 72 00 00-0014 | SF | 3" Thick Precast Concrete Coping | 69.14 | 14.08 |
| 04 72 00 00-0015 | SF | 3-1/2" Thick Precast Concrete Coping | 74.37 | 15.03 |
| 04 72 00 00-0016 | SF | 4" Thick Precast Concrete Coping | 79.66 | 15.96 |
| 04 72 00 00-0017 | SF | 5" Thick Precast Concrete Coping | 94.69 | 16.91 |
| 04 72 00 00-0018 | SF | 6" Thick Precast Concrete Coping | 107.99 | 17.84 |
| 04 72 00 00-0019 | | **Precast Concrete Window Sills** *(04 72)* | | |
| | | Note: Includes caulk and ties. | | |
| 04 72 00 00-0020 | | **Precast Concrete Window Sills** *(04 72 00 00-0019)* | | |
| 04 72 00 00-0021 | LF | 6" Wide Precast Concrete Window Sill | 38.92 | 9.39 |
| 04 72 00 00-0022 | LF | 10" Wide Precast Concrete Window Sill | 58.29 | 9.39 |
| 04 72 00 00-0023 | LF | 14" Wide Precast Concrete Window Sill | 68.81 | 9.39 |

**END OF SECTION 04**


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

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| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 06 Wood, Plastics, and Composites

## 06 01 Maintenance of Wood, Plastics, and Composites *(06)*

### 06 01 10 Maintenance of Rough Carpentry *(06 01)*

#### 06 01 10 91 Rough Carpenty Restoration *(06 01 10)*

06 01 10 91-0001 Roof Beam Restoration *(06 01 10 91)*

| | | | |
|---|---|---|---|
| 06 01 10 91-0002 | EA | Up To 5, Roof Beam Restoration And Fill<br>Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding. | 77.55 |
| 06 01 10 91-0003 | EA | >5 To 25, Roof Beam Restoration And Fill<br>Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding. | 66.74 |
| 06 01 10 91-0004 | EA | >25, Roof Beam Restoration And Fill<br>Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding. | 55.93 |

06 01 10 91-0005 Roof Beam Replacement *(06 01 10 91)*

Note: Includes cutting back the rafter beam back 18" and in a zig- zag Z splice cut for purpose of splicing on new end piece. Attached with glue and screwed on with lag screws counter sunk.

| | | | |
|---|---|---|---|
| 06 01 10 91-0006 | EA | Up To 5, Roof Beam Replacement, 6" x 12" Beams<br>Note: Includes cutting off damaged/rotten wood, new beams with screws. | 171.47 |
| 06 01 10 91-0007 | EA | >5 To 25, Roof Beam Replacement, 6" x 12" Beams<br>Note: Includes cutting off damaged/rotten wood, new beams with screws. | 160.66 |
| 06 01 10 91-0008 | EA | >25, Roof Beam Replacement, 6" x 12" Beams<br>Note: Includes cutting off damaged/rotten wood, new beams with screws. | 149.85 |
| 06 01 10 91-0009 | EA | Up To 5, Roof Beam Replacement, 4" x 8" Beams<br>Note: Includes cutting off damaged/rotten wood, new beams with screws. | 150.91 |
| 06 01 10 91-0010 | EA | >5 To 25, Roof Beam Replacement, 4" x 8" Beams<br>Note: Includes cutting off damaged/rotten wood, new beams with screws. | 140.10 |
| 06 01 10 91-0011 | EA | >25, Roof Beam Replacement, 4" x 8" Beams<br>Note: Includes cutting off damaged/rotten wood, new beams with screws. | 129.28 |

06 01 10 91-0012 Roof Beam Caps *(06 01 10 91)*

| | | | |
|---|---|---|---|
| 06 01 10 91-0013 | EA | 4" x 4" Stainless Steel Beam End Cap | 32.49 |
| | | *For Galvanized Steel, Deduct* | *-2.67* |
| 06 01 10 91-0014 | EA | 4" x 6" Stainless Steel Beam End Cap | 48.62 |
| | | *For Galvanized Steel, Deduct* | *-4.69* |
| 06 01 10 91-0015 | EA | 4" x 8" Stainless Steel Beam End Cap | 62.66 |
| | | *For Galvanized Steel, Deduct* | *-6.10* |
| 06 01 10 91-0016 | EA | 6" x 6" Stainless Steel Beam End Cap | 56.79 |
| | | *For Galvanized Steel, Deduct* | *-5.36* |
| 06 01 10 91-0017 | EA | 6" x 12" Stainless Steel Beam End Cap | 71.32 |
| | | *For Galvanized Steel, Deduct* | *-6.83* |

06 01 10 91-0018 Field Formed Beam Top/End Caps *(06 01 10 91)*

| | | | |
|---|---|---|---|
| 06 01 10 91-0019 | SF | 24 Gauge, Stainless Steel Field Formed Beam Top/End Cap<br>Note: Includes forming and bending at edges and around end of exposed beam | 14.17 |
| 06 01 10 91-0020 | SF | 24 Gauge, Galvanized Steel Field Formed Beam Top/End Cap<br>Note: Includes forming and bending at edges and around end of exposed beam | 11.37 |

06 01 10 91-0021 Historic Restoration For Retexturing Wood Beams *(06 01 10 91)*

| | | | |
|---|---|---|---|
| 06 01 10 91-0022 | SF | Retexture Wood Beams To Match Original Historic Appearance<br>Note: Includes: Retexturing wood surface of beams on (3) sides | 37.84 |
| 06 01 10 91-0023 | LF | Retexture 3" X 6" Wood Beams On (3) Sides To Match Original Historic Appearance | 47.32 |

### 06 01 20 Maintenance of Finish Carpentry *(06 01)*

#### 06 01 20 91 Finish Carpentry Restoration *(06 01 20)*

06 01 20 91-0001 Wood Trim Repair *(06 01 20 91)*

| | | | |
|---|---|---|---|
| 06 01 20 91-0002 | SF | Restoration Of Existing Decorative Woodwork<br>Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing. | 8.45 |

### 06 01 40 Maintenance of Architectural Woodwork *(06 01)*

#### 06 01 40 51 Architectural Woodwork Cleaning *(06 01 40)*

#### 06 01 40 91 Architectural Woodwork Restoration *(06 01 40)*

06 01 40 91-0001 Cabinet Hardware Replacement *(06 01 40 91)*

| | | | |
|---|---|---|---|
| 06 01 40 91-0002 | EA | Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges | 41.48 |


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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 06 01 40 91-0003 | EA | Removal And Replacement Of Semi-Concealed, Brass Cabinet Hinges | | 41.90 | |

# 06 05 Common Work Results for Wood, Plastics, and Composites *(06)*

## 06 05 23 Wood, Plastic, and Composite Fastenings *(06 05)*

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

### 06 05 23 00-0001 Threaded Anchor Bolts *(06 05 23)*

Note: Threaded on two ends with two nuts and flat washers.

| | | | | | |
|---|---|---|---|---|---|
| 06 05 23 00-0002 | EA | 1/2" Diameter x 4" Long, Threaded Anchor Bolt | | 15.50 | |
| | | *For >10 To 50, Deduct* | | *-0.39* | |
| | | *For >50 To 100, Deduct* | | *-0.98* | |
| | | *For >100 To 250, Deduct* | | *-1.96* | |
| | | *For >250 To 500, Deduct* | | *-3.33* | |
| | | *For >500, Deduct* | | *-4.70* | |
| 06 05 23 00-0003 | EA | 1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt | | 21.85 | |
| | | *For >10 To 50, Deduct* | | *-0.42* | |
| | | *For >50 To 100, Deduct* | | *-1.18* | |
| | | *For >100 To 250, Deduct* | | *-2.37* | |
| | | *For >250 To 500, Deduct* | | *-3.97* | |
| | | *For >500, Deduct* | | *-5.58* | |
| 06 05 23 00-0004 | EA | 3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt | | 24.42 | |
| | | *For >10 To 50, Deduct* | | *-0.42* | |
| | | *For >50 To 100, Deduct* | | *-1.25* | |
| | | *For >100 To 250, Deduct* | | *-2.49* | |
| | | *For >250 To 500, Deduct* | | *-4.17* | |
| | | *For >500, Deduct* | | *-5.84* | |
| 06 05 23 00-0005 | EA | 3/4" Diameter x 12" Long, Threaded Anchor Bolt | | 51.60 | |
| | | *For >10 To 50, Deduct* | | *-0.58* | |
| | | *For >50 To 100, Deduct* | | *-2.16* | |
| | | *For >100 To 250, Deduct* | | *-4.32* | |
| | | *For >250 To 500, Deduct* | | *-7.07* | |
| | | *For >500, Deduct* | | *-9.81* | |

### 06 05 23 00-0006 Framing Anchors *(06 05 23)*

Note: Including nails.

| | | | | | |
|---|---|---|---|---|---|
| 06 05 23 00-0007 | EA | 1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34) | | 7.00 | 3.31 |
| | | *For >10 To 50, Deduct* | | *-0.32* | |
| | | *For >50 To 100, Deduct* | | *-0.65* | |
| | | *For >100 To 250, Deduct* | | *-1.30* | |
| | | *For >250 To 500, Deduct* | | *-2.26* | |
| | | *For >500, Deduct* | | *-3.22* | |
| 06 05 23 00-0008 | EA | 1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35) | | 7.82 | 3.64 |
| | | *For >10 To 50, Deduct* | | *-0.35* | |
| | | *For >50 To 100, Deduct* | | *-0.73* | |
| | | *For >100 To 250, Deduct* | | *-1.45* | |
| | | *For >250 To 500, Deduct* | | *-2.54* | |
| | | *For >500, Deduct* | | *-3.62* | |

### 06 05 23 00-0009 Angle Anchors *(06 05 23)*

Note: Including nails.

| | | | | | |
|---|---|---|---|---|---|
| 06 05 23 00-0010 | EA | 2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21) | | 7.09 | 3.31 |
| | | *For >10 To 50, Deduct* | | *-0.32* | |
| | | *For >50 To 100, Deduct* | | *-0.65* | |
| | | *For >100 To 250, Deduct* | | *-1.30* | |
| | | *For >250 To 500, Deduct* | | *-2.26* | |
| | | *For >500, Deduct* | | *-3.23* | |
| 06 05 23 00-0011 | EA | 2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23) | | 7.79 | 3.53 |
| | | *For >10 To 50, Deduct* | | *-0.34* | |
| | | *For >50 To 100, Deduct* | | *-0.70* | |
| | | *For >100 To 250, Deduct* | | *-1.40* | |
| | | *For >250 To 500, Deduct* | | *-2.44* | |
| | | *For >500, Deduct* | | *-3.47* | |
| 06 05 23 00-0012 | EA | 3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24) | | 13.51 | 3.64 |
| | | *For >10 To 50, Deduct* | | *-0.35* | |
| | | *For >50 To 100, Deduct* | | *-0.87* | |
| | | *For >100 To 250, Deduct* | | *-1.74* | |
| | | *For >250 To 500, Deduct* | | *-2.96* | |
| | | *For >500, Deduct* | | *-4.19* | |
| 06 05 23 00-0013 | EA | 3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33) | | 12.15 | 3.64 |
| | | *For >10 To 50, Deduct* | | *-0.35* | |
| | | *For >50 To 100, Deduct* | | *-0.84* | |
| | | *For >100 To 250, Deduct* | | *-1.67* | |
| | | *For >250 To 500, Deduct* | | *-2.86* | |
| | | *For >500, Deduct* | | *-4.05* | |
| 06 05 23 00-0014 | EA | 4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44) | | 13.28 | 4.09 |
| | | *For >10 To 50, Deduct* | | *-0.39* | |
| | | *For >50 To 100, Deduct* | | *-0.92* | |
| | | *For >100 To 250, Deduct* | | *-1.84* | |
| | | *For >250 To 500, Deduct* | | *-3.14* | |
| | | *For >500, Deduct* | | *-4.45* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0015 | EA | 5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66) | 15.07 | 4.30 |
| | | *For >10 To 50, Deduct* | *-0.42* | |
| | | *For >50 To 100, Deduct* | *-1.01* | |
| | | *For >100 To 250, Deduct* | *-2.01* | |
| | | *For >250 To 500, Deduct* | *-3.44* | |
| | | *For >500, Deduct* | *-4.87* | |

## 06 05 23 00-0016 Reinforcing Angle Wood Construction Connectors *(06 05 23)*

Note: Including nails.

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0017 | EA | 3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30) | 7.81 | 3.09 |
| | | *For >10 To 50, Deduct* | *-0.32* | |
| | | *For >50 To 100, Deduct* | *-0.67* | |
| | | *For >100 To 250, Deduct* | *-1.34* | |
| | | *For >250 To 500, Deduct* | *-2.32* | |
| | | *For >500, Deduct* | *-3.30* | |
| 06 05 23 00-0018 | EA | 5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50) | 9.67 | 3.31 |
| | | *For >10 To 50, Deduct* | *-0.33* | |
| | | *For >50 To 100, Deduct* | *-0.74* | |
| | | *For >100 To 250, Deduct* | *-1.49* | |
| | | *For >250 To 500, Deduct* | *-2.56* | |
| | | *For >500, Deduct* | *-3.64* | |
| 06 05 23 00-0019 | EA | 7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70) | 11.02 | 3.42 |
| | | *For >10 To 50, Deduct* | *-0.35* | |
| | | *For >50 To 100, Deduct* | *-0.79* | |
| | | *For >100 To 250, Deduct* | *-1.59* | |
| | | *For >250 To 500, Deduct* | *-2.72* | |
| | | *For >500, Deduct* | *-3.86* | |
| 06 05 23 00-0020 | EA | 9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90) | 12.24 | 3.53 |
| | | *For >10 To 50, Deduct* | *-0.36* | |
| | | *For >50 To 100, Deduct* | *-0.85* | |
| | | *For >100 To 250, Deduct* | *-1.70* | |
| | | *For >250 To 500, Deduct* | *-2.91* | |
| | | *For >500, Deduct* | *-4.12* | |
| 06 05 23 00-0021 | EA | 3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30) | 8.54 | 3.09 |
| | | *For >10 To 50, Deduct* | *-0.32* | |
| | | *For >50 To 100, Deduct* | *-0.69* | |
| | | *For >100 To 250, Deduct* | *-1.37* | |
| | | *For >250 To 500, Deduct* | *-2.37* | |
| | | *For >500, Deduct* | *-3.37* | |
| 06 05 23 00-0022 | EA | 4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50) | 9.42 | 3.31 |
| | | *For >10 To 50, Deduct* | *-0.33* | |
| | | *For >50 To 100, Deduct* | *-0.74* | |
| | | *For >100 To 250, Deduct* | *-1.47* | |
| | | *For >250 To 500, Deduct* | *-2.54* | |
| | | *For >500, Deduct* | *-3.61* | |
| 06 05 23 00-0023 | EA | 6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70) | 10.96 | 3.42 |
| | | *For >10 To 50, Deduct* | *-0.35* | |
| | | *For >50 To 100, Deduct* | *-0.79* | |
| | | *For >100 To 250, Deduct* | *-1.58* | |
| | | *For >250 To 500, Deduct* | *-2.72* | |
| | | *For >500, Deduct* | *-3.86* | |
| 06 05 23 00-0024 | EA | 7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90) | 13.02 | 3.53 |
| | | *For >10 To 50, Deduct* | *-0.36* | |
| | | *For >50 To 100, Deduct* | *-0.87* | |
| | | *For >100 To 250, Deduct* | *-1.74* | |
| | | *For >250 To 500, Deduct* | *-2.97* | |
| | | *For >500, Deduct* | *-4.20* | |

## 06 05 23 00-0025 Hold Down Anchors *(06 05 23)*

Note: Including nails.

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0026 | EA | 8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B) | 56.69 | |
| | | *For >10 To 50, Deduct* | *-1.71* | |
| | | *For >50 To 100, Deduct* | *-3.98* | |
| | | *For >100 To 250, Deduct* | *-7.96* | |
| | | *For >250 To 500, Deduct* | *-13.66* | |
| | | *For >500, Deduct* | *-19.35* | |
| 06 05 23 00-0027 | EA | 9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B) | 79.52 | |
| | | *For >10 To 50, Deduct* | *-1.77* | |
| | | *For >50 To 100, Deduct* | *-4.64* | |
| | | *For >100 To 250, Deduct* | *-9.27* | |
| | | *For >250 To 500, Deduct* | *-15.67* | |
| | | *For >500, Deduct* | *-22.08* | |
| 06 05 23 00-0028 | EA | 12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B) | 98.14 | |
| | | *For >10 To 50, Deduct* | *-1.88* | |
| | | *For >50 To 100, Deduct* | *-5.27* | |
| | | *For >100 To 250, Deduct* | *-10.54* | |
| | | *For >250 To 500, Deduct* | *-17.68* | |
| | | *For >500, Deduct* | *-24.82* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0029 | EA | 14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B) | 115.84 | |
| | | *For >10 To 50, Deduct* | *-2.10* | |
| | | *For >50 To 100, Deduct* | *-6.04* | |
| | | *For >100 To 250, Deduct* | *-12.08* | |
| | | *For >250 To 500, Deduct* | *-20.22* | |
| | | *For >500, Deduct* | *-28.35* | |
| 06 05 23 00-0030 | EA | 20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12) | 187.79 | |
| | | *For >10 To 50, Deduct* | *-2.65* | |
| | | *For >50 To 100, Deduct* | *-8.67* | |
| | | *For >100 To 250, Deduct* | *-17.33* | |
| | | *For >250 To 500, Deduct* | *-28.65* | |
| | | *For >500, Deduct* | *-39.96* | |
| 06 05 23 00-0031 | EA | 24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19) | 253.08 | |
| | | *For >10 To 50, Deduct* | *-2.76* | |
| | | *For >50 To 100, Deduct* | *-10.46* | |
| | | *For >100 To 250, Deduct* | *-20.93* | |
| | | *For >250 To 500, Deduct* | *-34.15* | |
| | | *For >500, Deduct* | *-47.38* | |
| 06 05 23 00-0032 | EA | 8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5) | 66.80 | |
| | | *For >10 To 50, Deduct* | *-1.71* | |
| | | *For >50 To 100, Deduct* | *-4.24* | |
| | | *For >100 To 250, Deduct* | *-8.47* | |
| | | *For >250 To 500, Deduct* | *-14.42* | |
| | | *For >500, Deduct* | *-20.36* | |
| 06 05 23 00-0033 | EA | 10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5) | 73.94 | |
| | | *For >10 To 50, Deduct* | *-1.77* | |
| | | *For >50 To 100, Deduct* | *-4.50* | |
| | | *For >100 To 250, Deduct* | *-8.99* | |
| | | *For >250 To 500, Deduct* | *-15.26* | |
| | | *For >500, Deduct* | *-21.52* | |
| 06 05 23 00-0034 | EA | 13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5) | 82.84 | |
| | | *For >10 To 50, Deduct* | *-1.88* | |
| | | *For >50 To 100, Deduct* | *-4.89* | |
| | | *For >100 To 250, Deduct* | *-9.77* | |
| | | *For >250 To 500, Deduct* | *-16.53* | |
| | | *For >500, Deduct* | *-23.29* | |
| 06 05 23 00-0035 | EA | 16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5) | 102.31 | |
| | | *For >10 To 50, Deduct* | *-2.10* | |
| | | *For >50 To 100, Deduct* | *-5.70* | |
| | | *For >100 To 250, Deduct* | *-11.40* | |
| | | *For >250 To 500, Deduct* | *-19.20* | |
| | | *For >500, Deduct* | *-27.00* | |
| 06 05 23 00-0036 | EA | 22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5) | 131.77 | |
| | | *For >10 To 50, Deduct* | *-2.65* | |
| | | *For >50 To 100, Deduct* | *-7.27* | |
| | | *For >100 To 250, Deduct* | *-14.53* | |
| | | *For >250 To 500, Deduct* | *-24.45* | |
| | | *For >500, Deduct* | *-34.36* | |
| 06 05 23 00-0037 | EA | 25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5) | 147.24 | |
| | | *For >10 To 50, Deduct* | *-2.76* | |
| | | *For >50 To 100, Deduct* | *-7.82* | |
| | | *For >100 To 250, Deduct* | *-15.64* | |
| | | *For >250 To 500, Deduct* | *-26.21* | |
| | | *For >500, Deduct* | *-36.79* | |

## 06 05 23 00-0038 Joist And Beam Hangers *(06 05 23)*

Note: Including nails.

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0039 | EA | 18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24) | 7.46 | 3.09 |
| | | *For >10 To 50, Deduct* | *-0.32* | |
| | | *For >50 To 100, Deduct* | *-0.66* | |
| | | *For >100 To 250, Deduct* | *-1.32* | |
| | | *For >250 To 500, Deduct* | *-2.29* | |
| | | *For >500, Deduct* | *-3.27* | |
| 06 05 23 00-0040 | EA | 18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28) | 8.31 | 3.31 |
| | | *For >10 To 50, Deduct* | *-0.33* | |
| | | *For >50 To 100, Deduct* | *-0.71* | |
| | | *For >100 To 250, Deduct* | *-1.42* | |
| | | *For >250 To 500, Deduct* | *-2.46* | |
| | | *For >500, Deduct* | *-3.50* | |
| 06 05 23 00-0041 | EA | 16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36) | 11.69 | 3.42 |
| | | *For >10 To 50, Deduct* | *-0.35* | |
| | | *For >50 To 100, Deduct* | *-0.81* | |
| | | *For >100 To 250, Deduct* | *-1.62* | |
| | | *For >250 To 500, Deduct* | *-2.77* | |
| | | *For >500, Deduct* | *-3.93* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0042 | EA | 16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310) | 12.72 | 3.53 |
| | | *For >10 To 50, Deduct* | *-0.36* | |
| | | *For >50 To 100, Deduct* | *-0.86* | |
| | | *For >100 To 250, Deduct* | *-1.72* | |
| | | *For >250 To 500, Deduct* | *-2.95* | |
| | | *For >500, Deduct* | *-4.17* | |
| 06 05 23 00-0043 | EA | 14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46) | 19.49 | 3.75 |
| | | *For >10 To 50, Deduct* | *-0.37* | |
| | | *For >50 To 100, Deduct* | *-1.05* | |
| | | *For >100 To 250, Deduct* | *-2.09* | |
| | | *For >250 To 500, Deduct* | *-3.51* | |
| | | *For >500, Deduct* | *-4.93* | |
| 06 05 23 00-0044 | EA | 14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412) | 23.23 | 3.87 |
| | | *For >10 To 50, Deduct* | *-0.38* | |
| | | *For >50 To 100, Deduct* | *-1.15* | |
| | | *For >100 To 250, Deduct* | *-2.31* | |
| | | *For >250 To 500, Deduct* | *-3.84* | |
| | | *For >500, Deduct* | *-5.38* | |
| **06 05 23 00-0045** | | **Anchor And Ties** *(06 05 23)* | | |
| | | Note: Including nails. | | |
| 06 05 23 00-0046 | EA | 12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4) | 35.51 | |
| | | Note: Includes nails. Excludes anchor bolt. | | |
| 06 05 23 00-0047 | EA | 16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5) | 44.00 | |
| | | Note: Includes nails. Excludes anchor bolt. | | |
| 06 05 23 00-0048 | EA | 16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ) | 4.69 | |
| 06 05 23 00-0049 | EA | 16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ) | 5.28 | |
| **06 05 23 00-0050** | | **Hurricane Ties** *(06 05 23)* | | |
| 06 05 23 00-0051 | EA | 6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A) | 8.16 | 3.42 |
| | | *For >10 To 50, Deduct* | *-0.38* | |
| | | *For >50 To 100, Deduct* | *-0.77* | |
| | | *For >100 To 250, Deduct* | *-1.55* | |
| | | *For >250 To 500, Deduct* | *-2.70* | |
| | | *For >500, Deduct* | *-3.86* | |
| 06 05 23 00-0052 | EA | 6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ) | 2.97 | |
| 06 05 23 00-0053 | EA | 6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS) | 8.08 | |
| 06 05 23 00-0054 | EA | 10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A) | 10.06 | 3.42 |
| | | *For >10 To 50, Deduct* | *-0.38* | |
| | | *For >50 To 100, Deduct* | *-0.82* | |
| | | *For >100 To 250, Deduct* | *-1.64* | |
| | | *For >250 To 500, Deduct* | *-2.85* | |
| | | *For >500, Deduct* | *-4.05* | |
| 06 05 23 00-0055 | EA | 19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6) | 16.91 | |
| **06 05 23 00-0056** | | **Post Column Bases** *(06 05 23)* | | |
| | | Note: Including nails. | | |
| 06 05 23 00-0057 | EA | Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44) | 33.18 | |
| 06 05 23 00-0058 | EA | Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46) | 50.44 | |
| 06 05 23 00-0059 | EA | Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66) | 51.92 | |
| **06 05 23 00-0060** | | **Post Column Caps** *(06 05 23)* | | |
| | | Note: Including nails. | | |
| 06 05 23 00-0061 | EA | 4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4) | 17.30 | 3.87 |
| | | *For >10 To 50, Deduct* | *-0.42* | |
| | | *For >50 To 100, Deduct* | *-1.07* | |
| | | *For >100 To 250, Deduct* | *-2.14* | |
| | | *For >250 To 500, Deduct* | *-3.63* | |
| | | *For >500, Deduct* | *-5.13* | |
| 06 05 23 00-0062 | EA | 6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6) | 38.15 | 3.87 |
| | | *For >10 To 50, Deduct* | *-0.45* | |
| | | *For >50 To 100, Deduct* | *-1.63* | |
| | | *For >100 To 250, Deduct* | *-3.25* | |
| | | *For >250 To 500, Deduct* | *-5.33* | |
| | | *For >500, Deduct* | *-7.40* | |
| 06 05 23 00-0063 | EA | 3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4) | 190.27 | |
| | | Note: Excludes field welding | | |
| | | *For >10 To 50, Deduct* | *-1.10* | |
| | | *For >50 To 100, Deduct* | *-6.41* | |
| | | *For >100 To 250, Deduct* | *-12.82* | |
| | | *For >250 To 500, Deduct* | *-20.34* | |
| | | *For >500, Deduct* | *-27.85* | |
| | | *For Hot Dipped Galvanized, Add* | *75.69* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0064 | EA | 3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6) | 198.98 | |
| | | *For >10 To 50, Deduct* | *-1.24* | |
| | | *For >50 To 100, Deduct* | *-6.84* | |
| | | *For >100 To 250, Deduct* | *-13.67* | |
| | | *For >250 To 500, Deduct* | *-21.75* | |
| | | *For >500, Deduct* | *-29.83* | |
| | | *For Hot Dipped Galvanized, Add* | *78.37* | |
| 06 05 23 00-0065 | EA | 4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44)<br>Note: Excludes field welding | 122.88 | |
| | | *For >10 To 50, Deduct* | *-1.10* | |
| | | *For >50 To 100, Deduct* | *-4.73* | |
| | | *For >100 To 250, Deduct* | *-9.45* | |
| | | *For >250 To 500, Deduct* | *-15.28* | |
| | | *For >500, Deduct* | *-21.11* | |
| | | *For Hot Dipped Galvanized, Add* | *45.37* | |
| 06 05 23 00-0066 | EA | 4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46) | 194.88 | |
| | | *For >10 To 50, Deduct* | *-1.24* | |
| | | *For >50 To 100, Deduct* | *-6.73* | |
| | | *For >100 To 250, Deduct* | *-13.47* | |
| | | *For >250 To 500, Deduct* | *-21.44* | |
| | | *For >500, Deduct* | *-29.42* | |
| | | *For Hot Dipped Galvanized, Add* | *76.53* | |
| 06 05 23 00-0067 | EA | 4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48)<br>Note: Excludes field welding | 203.73 | |
| | | *For >10 To 50, Deduct* | *-1.24* | |
| | | *For >50 To 100, Deduct* | *-6.95* | |
| | | *For >100 To 250, Deduct* | *-13.91* | |
| | | *For >250 To 500, Deduct* | *-22.11* | |
| | | *For >500, Deduct* | *-30.30* | |
| | | *For Hot Dipped Galvanized, Add* | *80.51* | |
| 06 05 23 00-0068 | EA | 6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64) | 208.17 | |
| | | *For >10 To 50, Deduct* | *-1.19* | |
| | | *For >50 To 100, Deduct* | *-6.98* | |
| | | *For >100 To 250, Deduct* | *-13.97* | |
| | | *For >250 To 500, Deduct* | *-22.14* | |
| | | *For >500, Deduct* | *-30.31* | |
| | | *For Hot Dipped Galvanized, Add* | *83.00* | |
| 06 05 23 00-0069 | EA | 6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66) | 210.37 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-7.20* | |
| | | *For >100 To 250, Deduct* | *-14.41* | |
| | | *For >250 To 500, Deduct* | *-22.91* | |
| | | *For >500, Deduct* | *-31.41* | |
| | | *For Hot Dipped Galvanized, Add* | *83.00* | |
| 06 05 23 00-0070 | EA | 6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68) | 210.37 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-7.20* | |
| | | *For >100 To 250, Deduct* | *-14.41* | |
| | | *For >250 To 500, Deduct* | *-22.91* | |
| | | *For >500, Deduct* | *-31.41* | |
| | | *For Hot Dipped Galvanized, Add* | *83.00* | |
| 06 05 23 00-0071 | EA | 5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4) | 242.89 | |
| | | *For >10 To 50, Deduct* | *-1.19* | |
| | | *For >50 To 100, Deduct* | *-7.85* | |
| | | *For >100 To 250, Deduct* | *-15.70* | |
| | | *For >250 To 500, Deduct* | *-24.74* | |
| | | *For >500, Deduct* | *-33.78* | |
| | | *For Hot Dipped Galvanized, Add* | *98.62* | |
| 06 05 23 00-0072 | EA | 5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6) | 245.09 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-8.07* | |
| | | *For >100 To 250, Deduct* | *-16.14* | |
| | | *For >250 To 500, Deduct* | *-25.51* | |
| | | *For >500, Deduct* | *-34.88* | |
| | | *For Hot Dipped Galvanized, Add* | *98.62* | |
| 06 05 23 00-0073 | EA | 5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8) | 245.09 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-8.07* | |
| | | *For >100 To 250, Deduct* | *-16.14* | |
| | | *For >250 To 500, Deduct* | *-25.51* | |
| | | *For >500, Deduct* | *-34.88* | |
| | | *For Hot Dipped Galvanized, Add* | *98.62* | |
| 06 05 23 00-0074 | EA | 8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84) | 296.66 | |
| | | *For >10 To 50, Deduct* | *-1.19* | |
| | | *For >50 To 100, Deduct* | *-9.20* | |
| | | *For >100 To 250, Deduct* | *-18.39* | |
| | | *For >250 To 500, Deduct* | *-28.78* | |
| | | *For >500, Deduct* | *-39.16* | |
| | | *For Hot Dipped Galvanized, Add* | *122.82* | |
| 06 05 23 00-0075 | EA | 8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86) | 298.86 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-9.42* | |
| | | *For >100 To 250, Deduct* | *-18.83* | |
| | | *For >250 To 500, Deduct* | *-29.55* | |
| | | *For >500, Deduct* | *-40.26* | |
| | | *For Hot Dipped Galvanized, Add* | *122.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0076 | EA | 8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88) | 298.86 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-9.42* | |
| | | *For >100 To 250, Deduct* | *-18.83* | |
| | | *For >250 To 500, Deduct* | *-29.55* | |
| | | *For >500, Deduct* | *-40.26* | |
| | | *For Hot Dipped Galvanized, Add* | *122.82* | |
| 06 05 23 00-0077 | EA | 3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4)<br>Note: Excludes field welding | 190.27 | |
| | | *For >10 To 50, Deduct* | *-1.10* | |
| | | *For >50 To 100, Deduct* | *-6.41* | |
| | | *For >100 To 250, Deduct* | *-12.82* | |
| | | *For >250 To 500, Deduct* | *-20.34* | |
| | | *For >500, Deduct* | *-27.85* | |
| | | *For Hot Dipped Galvanized, Add* | *75.69* | |
| 06 05 23 00-0078 | EA | 3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6) | 198.98 | |
| | | *For >10 To 50, Deduct* | *-1.24* | |
| | | *For >50 To 100, Deduct* | *-6.84* | |
| | | *For >100 To 250, Deduct* | *-13.67* | |
| | | *For >250 To 500, Deduct* | *-21.75* | |
| | | *For >500, Deduct* | *-29.83* | |
| | | *For Hot Dipped Galvanized, Add* | *78.37* | |
| 06 05 23 00-0079 | EA | 4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44)<br>Note: Excludes field welding | 122.88 | |
| | | *For >10 To 50, Deduct* | *-1.10* | |
| | | *For >50 To 100, Deduct* | *-4.73* | |
| | | *For >100 To 250, Deduct* | *-9.45* | |
| | | *For >250 To 500, Deduct* | *-15.28* | |
| | | *For >500, Deduct* | *-21.11* | |
| | | *For Hot Dipped Galvanized, Add* | *45.37* | |
| 06 05 23 00-0080 | EA | 4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46) | 194.88 | |
| | | *For >10 To 50, Deduct* | *-1.24* | |
| | | *For >50 To 100, Deduct* | *-6.73* | |
| | | *For >100 To 250, Deduct* | *-13.47* | |
| | | *For >250 To 500, Deduct* | *-21.44* | |
| | | *For >500, Deduct* | *-29.42* | |
| | | *For Hot Dipped Galvanized, Add* | *76.53* | |
| 06 05 23 00-0081 | EA | 4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48)<br>Note: Excludes field welding | 203.73 | |
| | | *For >10 To 50, Deduct* | *-1.24* | |
| | | *For >50 To 100, Deduct* | *-6.95* | |
| | | *For >100 To 250, Deduct* | *-13.91* | |
| | | *For >250 To 500, Deduct* | *-22.11* | |
| | | *For >500, Deduct* | *-30.30* | |
| | | *For Hot Dipped Galvanized, Add* | *80.51* | |
| 06 05 23 00-0082 | EA | 6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64) | 208.17 | |
| | | *For >10 To 50, Deduct* | *-1.19* | |
| | | *For >50 To 100, Deduct* | *-6.98* | |
| | | *For >100 To 250, Deduct* | *-13.97* | |
| | | *For >250 To 500, Deduct* | *-22.14* | |
| | | *For >500, Deduct* | *-30.31* | |
| | | *For Hot Dipped Galvanized, Add* | *83.00* | |
| 06 05 23 00-0083 | EA | 6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66) | 210.37 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-7.20* | |
| | | *For >100 To 250, Deduct* | *-14.41* | |
| | | *For >250 To 500, Deduct* | *-22.91* | |
| | | *For >500, Deduct* | *-31.41* | |
| | | *For Hot Dipped Galvanized, Add* | *83.00* | |
| 06 05 23 00-0084 | EA | 6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68) | 210.37 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-7.20* | |
| | | *For >100 To 250, Deduct* | *-14.41* | |
| | | *For >250 To 500, Deduct* | *-22.91* | |
| | | *For >500, Deduct* | *-31.41* | |
| | | *For Hot Dipped Galvanized, Add* | *83.00* | |
| 06 05 23 00-0085 | EA | 5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4) | 242.89 | |
| | | *For >10 To 50, Deduct* | *-1.19* | |
| | | *For >50 To 100, Deduct* | *-7.85* | |
| | | *For >100 To 250, Deduct* | *-15.70* | |
| | | *For >250 To 500, Deduct* | *-24.74* | |
| | | *For >500, Deduct* | *-33.78* | |
| | | *For Hot Dipped Galvanized, Add* | *98.62* | |
| 06 05 23 00-0086 | EA | 5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6) | 245.09 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-8.07* | |
| | | *For >100 To 250, Deduct* | *-16.14* | |
| | | *For >250 To 500, Deduct* | *-25.51* | |
| | | *For >500, Deduct* | *-34.88* | |
| | | *For Hot Dipped Galvanized, Add* | *98.62* | |
| 06 05 23 00-0087 | EA | 5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8) | 245.09 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-8.07* | |
| | | *For >100 To 250, Deduct* | *-16.14* | |
| | | *For >250 To 500, Deduct* | *-25.51* | |
| | | *For >500, Deduct* | *-34.88* | |
| | | *For Hot Dipped Galvanized, Add* | *98.62* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0088 | EA | 8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84) | 296.66 | |
| | | *For >10 To 50, Deduct* | *-1.19* | |
| | | *For >50 To 100, Deduct* | *-9.20* | |
| | | *For >100 To 250, Deduct* | *-18.39* | |
| | | *For >250 To 500, Deduct* | *-28.78* | |
| | | *For >500, Deduct* | *-39.16* | |
| | | *For Hot Dipped Galvanized, Add* | *122.82* | |
| 06 05 23 00-0089 | EA | 8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86) | 298.86 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-9.42* | |
| | | *For >100 To 250, Deduct* | *-18.83* | |
| | | *For >250 To 500, Deduct* | *-29.55* | |
| | | *For >500, Deduct* | *-40.26* | |
| | | *For Hot Dipped Galvanized, Add* | *122.82* | |
| 06 05 23 00-0090 | EA | 8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88) | 298.86 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-9.42* | |
| | | *For >100 To 250, Deduct* | *-18.83* | |
| | | *For >250 To 500, Deduct* | *-29.55* | |
| | | *For >500, Deduct* | *-40.26* | |
| | | *For Hot Dipped Galvanized, Add* | *122.82* | |
| **06 05 23 00-0091** | | **Rafter Connectors** *(06 05 23)* | | |
| 06 05 23 00-0092 | EA | Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR) | 9.77 | 3.42 |
| | | *For >10 To 50, Deduct* | *-0.38* | |
| | | *For >50 To 100, Deduct* | *-0.82* | |
| | | *For >100 To 250, Deduct* | *-1.63* | |
| | | *For >250 To 500, Deduct* | *-2.83* | |
| | | *For >500, Deduct* | *-4.02* | |
| **06 05 23 00-0093** | | **Bolts And Fasteners** *(06 05 23)* | | |
| **06 05 23 00-0094** | | **Carriage Bolts** *(06 05 23 00-0093)* | | |
| | | Note: Includes drilling of holes in any material. Includes nut and washer. | | |
| **06 05 23 00-0095** | | **Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts** *(06 05 23 00-0094)* | | |
| 06 05 23 00-0096 | EA | 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 14.78 | |
| | | *For >10 To 50, Deduct* | *-0.72* | |
| | | *For >50 To 100, Deduct* | *-1.45* | |
| | | *For >100 To 250, Deduct* | *-2.89* | |
| | | *For >250 To 500, Deduct* | *-5.05* | |
| | | *For >500, Deduct* | *-7.21* | |
| 06 05 23 00-0097 | EA | 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 14.98 | |
| | | *For >10 To 50, Deduct* | *-0.72* | |
| | | *For >50 To 100, Deduct* | *-1.45* | |
| | | *For >100 To 250, Deduct* | *-2.90* | |
| | | *For >250 To 500, Deduct* | *-5.07* | |
| | | *For >500, Deduct* | *-7.23* | |
| 06 05 23 00-0098 | EA | 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 15.10 | |
| | | *For >10 To 50, Deduct* | *-0.72* | |
| | | *For >50 To 100, Deduct* | *-1.45* | |
| | | *For >100 To 250, Deduct* | *-2.91* | |
| | | *For >250 To 500, Deduct* | *-5.08* | |
| | | *For >500, Deduct* | *-7.25* | |
| 06 05 23 00-0099 | EA | 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 17.66 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-1.68* | |
| | | *For >100 To 250, Deduct* | *-3.37* | |
| | | *For >250 To 500, Deduct* | *-5.88* | |
| | | *For >500, Deduct* | *-8.39* | |
| 06 05 23 00-0100 | EA | 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 16.41 | |
| | | *For >10 To 50, Deduct* | *-0.77* | |
| | | *For >50 To 100, Deduct* | *-1.57* | |
| | | *For >100 To 250, Deduct* | *-3.14* | |
| | | *For >250 To 500, Deduct* | *-5.48* | |
| | | *For >500, Deduct* | *-7.82* | |
| 06 05 23 00-0101 | EA | 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 17.83 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-1.69* | |
| | | *For >100 To 250, Deduct* | *-3.37* | |
| | | *For >250 To 500, Deduct* | *-5.89* | |
| | | *For >500, Deduct* | *-8.40* | |
| 06 05 23 00-0102 | EA | 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 18.14 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-1.69* | |
| | | *For >100 To 250, Deduct* | *-3.39* | |
| | | *For >250 To 500, Deduct* | *-5.91* | |
| | | *For >500, Deduct* | *-8.43* | |
| 06 05 23 00-0103 | EA | 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 21.68 | |
| | | *For >10 To 50, Deduct* | *-0.99* | |
| | | *For >50 To 100, Deduct* | *-2.03* | |
| | | *For >100 To 250, Deduct* | *-4.06* | |
| | | *For >250 To 500, Deduct* | *-7.09* | |
| | | *For >500, Deduct* | *-10.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0104 | EA | 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 23.72 | |
| | | *For >10 To 50, Deduct* | *-1.05* | |
| | | *For >50 To 100, Deduct* | *-2.17* | |
| | | *For >100 To 250, Deduct* | *-4.33* | |
| | | *For >250 To 500, Deduct* | *-7.55* | |
| | | *For >500, Deduct* | *-10.76* | |
| 06 05 23 00-0105 | EA | 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 26.86 | |
| | | *For >10 To 50, Deduct* | *-1.16* | |
| | | *For >50 To 100, Deduct* | *-2.41* | |
| | | *For >100 To 250, Deduct* | *-4.82* | |
| | | *For >250 To 500, Deduct* | *-8.39* | |
| | | *For >500, Deduct* | *-11.95* | |
| 06 05 23 00-0106 | EA | 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 18.49 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-1.70* | |
| | | *For >100 To 250, Deduct* | *-3.41* | |
| | | *For >250 To 500, Deduct* | *-5.94* | |
| | | *For >500, Deduct* | *-8.47* | |
| 06 05 23 00-0107 | EA | 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 20.41 | |
| | | *For >10 To 50, Deduct* | *-0.88* | |
| | | *For >50 To 100, Deduct* | *-1.83* | |
| | | *For >100 To 250, Deduct* | *-3.67* | |
| | | *For >250 To 500, Deduct* | *-6.39* | |
| | | *For >500, Deduct* | *-9.11* | |
| 06 05 23 00-0108 | EA | 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 21.76 | |
| | | *For >10 To 50, Deduct* | *-0.94* | |
| | | *For >50 To 100, Deduct* | *-1.95* | |
| | | *For >100 To 250, Deduct* | *-3.90* | |
| | | *For >250 To 500, Deduct* | *-6.79* | |
| | | *For >500, Deduct* | *-9.68* | |
| 06 05 23 00-0109 | EA | 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 24.42 | |
| | | *For >10 To 50, Deduct* | *-1.05* | |
| | | *For >50 To 100, Deduct* | *-2.18* | |
| | | *For >100 To 250, Deduct* | *-4.37* | |
| | | *For >250 To 500, Deduct* | *-7.60* | |
| | | *For >500, Deduct* | *-10.83* | |
| 06 05 23 00-0110 | EA | 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 28.81 | |
| | | *For >10 To 50, Deduct* | *-1.21* | |
| | | *For >50 To 100, Deduct* | *-2.54* | |
| | | *For >100 To 250, Deduct* | *-5.08* | |
| | | *For >250 To 500, Deduct* | *-8.84* | |
| | | *For >500, Deduct* | *-12.59* | |
| 06 05 23 00-0111 | EA | 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 32.48 | |
| | | *For >10 To 50, Deduct* | *-1.32* | |
| | | *For >50 To 100, Deduct* | *-2.80* | |
| | | *For >100 To 250, Deduct* | *-5.60* | |
| | | *For >250 To 500, Deduct* | *-9.72* | |
| | | *For >500, Deduct* | *-13.84* | |
| 06 05 23 00-0112 | EA | 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 26.05 | |
| | | *For >10 To 50, Deduct* | *-0.99* | |
| | | *For >50 To 100, Deduct* | *-2.14* | |
| | | *For >100 To 250, Deduct* | *-4.28* | |
| | | *For >250 To 500, Deduct* | *-7.42* | |
| | | *For >500, Deduct* | *-10.55* | |
| 06 05 23 00-0113 | EA | 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 28.41 | |
| | | *For >10 To 50, Deduct* | *-1.05* | |
| | | *For >50 To 100, Deduct* | *-2.28* | |
| | | *For >100 To 250, Deduct* | *-4.57* | |
| | | *For >250 To 500, Deduct* | *-7.90* | |
| | | *For >500, Deduct* | *-11.23* | |
| 06 05 23 00-0114 | EA | 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 34.27 | |
| | | *For >10 To 50, Deduct* | *-1.21* | |
| | | *For >50 To 100, Deduct* | *-2.68* | |
| | | *For >100 To 250, Deduct* | *-5.35* | |
| | | *For >250 To 500, Deduct* | *-9.24* | |
| | | *For >500, Deduct* | *-13.14* | |
| 06 05 23 00-0115 | EA | 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 39.08 | |
| | | *For >10 To 50, Deduct* | *-1.27* | |
| | | *For >50 To 100, Deduct* | *-2.88* | |
| | | *For >100 To 250, Deduct* | *-5.76* | |
| | | *For >250 To 500, Deduct* | *-9.91* | |
| | | *For >500, Deduct* | *-14.06* | |
| 06 05 23 00-0116 | EA | 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 42.42 | |
| | | *For >10 To 50, Deduct* | *-1.38* | |
| | | *For >50 To 100, Deduct* | *-3.13* | |
| | | *For >100 To 250, Deduct* | *-6.26* | |
| | | *For >250 To 500, Deduct* | *-10.77* | |
| | | *For >500, Deduct* | *-15.27* | |
| 06 05 23 00-0117 | EA | 3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt | 43.11 | |
| | | *For >10 To 50, Deduct* | *-1.43* | |
| | | *For >50 To 100, Deduct* | *-3.23* | |
| | | *For >100 To 250, Deduct* | *-6.46* | |
| | | *For >250 To 500, Deduct* | *-11.12* | |
| | | *For >500, Deduct* | *-15.79* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0118 | | Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)* | | |
| 06 05 23 00-0119 | EA | 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 15.13 | |
| | | *For >10 To 50, Deduct* | *-0.72* | |
| | | *For >50 To 100, Deduct* | *-1.45* | |
| | | *For >100 To 250, Deduct* | *-2.91* | |
| | | *For >250 To 500, Deduct* | *-5.08* | |
| | | *For >500, Deduct* | *-7.25* | |
| 06 05 23 00-0120 | EA | 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 15.49 | |
| | | *For >10 To 50, Deduct* | *-0.72* | |
| | | *For >50 To 100, Deduct* | *-1.46* | |
| | | *For >100 To 250, Deduct* | *-2.93* | |
| | | *For >250 To 500, Deduct* | *-5.11* | |
| | | *For >500, Deduct* | *-7.29* | |
| 06 05 23 00-0121 | EA | 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 15.90 | |
| | | *For >10 To 50, Deduct* | *-0.72* | |
| | | *For >50 To 100, Deduct* | *-1.47* | |
| | | *For >100 To 250, Deduct* | *-2.95* | |
| | | *For >250 To 500, Deduct* | *-5.14* | |
| | | *For >500, Deduct* | *-7.33* | |
| 06 05 23 00-0122 | EA | 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 19.01 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-1.72* | |
| | | *For >100 To 250, Deduct* | *-3.43* | |
| | | *For >250 To 500, Deduct* | *-5.98* | |
| | | *For >500, Deduct* | *-8.52* | |
| 06 05 23 00-0123 | EA | 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 16.90 | |
| | | *For >10 To 50, Deduct* | *-0.77* | |
| | | *For >50 To 100, Deduct* | *-1.58* | |
| | | *For >100 To 250, Deduct* | *-3.16* | |
| | | *For >250 To 500, Deduct* | *-5.52* | |
| | | *For >500, Deduct* | *-7.87* | |
| 06 05 23 00-0124 | EA | 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 18.59 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-1.71* | |
| | | *For >100 To 250, Deduct* | *-3.41* | |
| | | *For >250 To 500, Deduct* | *-5.95* | |
| | | *For >500, Deduct* | *-8.48* | |
| 06 05 23 00-0125 | EA | 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 19.04 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-1.72* | |
| | | *For >100 To 250, Deduct* | *-3.43* | |
| | | *For >250 To 500, Deduct* | *-5.98* | |
| | | *For >500, Deduct* | *-8.52* | |
| 06 05 23 00-0126 | EA | 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 23.04 | |
| | | *For >10 To 50, Deduct* | *-0.99* | |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100 To 250, Deduct* | *-4.13* | |
| | | *For >250 To 500, Deduct* | *-7.19* | |
| | | *For >500, Deduct* | *-10.25* | |
| 06 05 23 00-0127 | EA | 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 25.25 | |
| | | *For >10 To 50, Deduct* | *-1.05* | |
| | | *For >50 To 100, Deduct* | *-2.20* | |
| | | *For >100 To 250, Deduct* | *-4.41* | |
| | | *For >250 To 500, Deduct* | *-7.66* | |
| | | *For >500, Deduct* | *-10.91* | |
| 06 05 23 00-0128 | EA | 3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 28.27 | |
| | | *For >10 To 50, Deduct* | *-1.16* | |
| | | *For >50 To 100, Deduct* | *-2.44* | |
| | | *For >100 To 250, Deduct* | *-4.89* | |
| | | *For >250 To 500, Deduct* | *-8.49* | |
| | | *For >500, Deduct* | *-12.10* | |
| 06 05 23 00-0129 | EA | 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 19.63 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-1.73* | |
| | | *For >100 To 250, Deduct* | *-3.46* | |
| | | *For >250 To 500, Deduct* | *-6.02* | |
| | | *For >500, Deduct* | *-8.58* | |
| 06 05 23 00-0130 | EA | 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 21.31 | |
| | | *For >10 To 50, Deduct* | *-0.88* | |
| | | *For >50 To 100, Deduct* | *-1.86* | |
| | | *For >100 To 250, Deduct* | *-3.71* | |
| | | *For >250 To 500, Deduct* | *-6.45* | |
| | | *For >500, Deduct* | *-9.20* | |
| 06 05 23 00-0131 | EA | 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 22.83 | |
| | | *For >10 To 50, Deduct* | *-0.94* | |
| | | *For >50 To 100, Deduct* | *-1.98* | |
| | | *For >100 To 250, Deduct* | *-3.95* | |
| | | *For >250 To 500, Deduct* | *-6.87* | |
| | | *For >500, Deduct* | *-9.78* | |
| 06 05 23 00-0132 | EA | 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 25.96 | |
| | | *For >10 To 50, Deduct* | *-1.05* | |
| | | *For >50 To 100, Deduct* | *-2.22* | |
| | | *For >100 To 250, Deduct* | *-4.44* | |
| | | *For >250 To 500, Deduct* | *-7.71* | |
| | | *For >500, Deduct* | *-10.98* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0133 | EA | 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 30.31 | |
| | | *For >10 To 50, Deduct* | *-1.21* | |
| | | *For >50 To 100, Deduct* | *-2.58* | |
| | | *For >100 To 250, Deduct* | *-5.16* | |
| | | *For >250 To 500, Deduct* | *-8.95* | |
| | | *For >500, Deduct* | *-12.74* | |
| 06 05 23 00-0134 | EA | 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 33.64 | |
| | | *For >10 To 50, Deduct* | *-1.32* | |
| | | *For >50 To 100, Deduct* | *-2.83* | |
| | | *For >100 To 250, Deduct* | *-5.65* | |
| | | *For >250 To 500, Deduct* | *-9.81* | |
| | | *For >500, Deduct* | *-13.96* | |
| 06 05 23 00-0135 | EA | 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 29.47 | |
| | | *For >10 To 50, Deduct* | *-0.99* | |
| | | *For >50 To 100, Deduct* | *-2.23* | |
| | | *For >100 To 250, Deduct* | *-4.45* | |
| | | *For >250 To 500, Deduct* | *-7.67* | |
| | | *For >500, Deduct* | *-10.89* | |
| 06 05 23 00-0136 | EA | 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 30.80 | |
| | | *For >10 To 50, Deduct* | *-1.05* | |
| | | *For >50 To 100, Deduct* | *-2.34* | |
| | | *For >100 To 250, Deduct* | *-4.69* | |
| | | *For >250 To 500, Deduct* | *-8.08* | |
| | | *For >500, Deduct* | *-11.47* | |
| 06 05 23 00-0137 | EA | 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 35.97 | |
| | | *For >10 To 50, Deduct* | *-1.21* | |
| | | *For >50 To 100, Deduct* | *-2.72* | |
| | | *For >100 To 250, Deduct* | *-5.44* | |
| | | *For >250 To 500, Deduct* | *-9.37* | |
| | | *For >500, Deduct* | *-13.31* | |
| 06 05 23 00-0138 | EA | 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 38.95 | |
| | | *For >10 To 50, Deduct* | *-1.27* | |
| | | *For >50 To 100, Deduct* | *-2.88* | |
| | | *For >100 To 250, Deduct* | *-5.75* | |
| | | *For >250 To 500, Deduct* | *-9.90* | |
| | | *For >500, Deduct* | *-14.05* | |
| 06 05 23 00-0139 | EA | 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 44.63 | |
| | | *For >10 To 50, Deduct* | *-1.38* | |
| | | *For >50 To 100, Deduct* | *-3.18* | |
| | | *For >100 To 250, Deduct* | *-6.37* | |
| | | *For >250 To 500, Deduct* | *-10.93* | |
| | | *For >500, Deduct* | *-15.50* | |
| 06 05 23 00-0140 | EA | 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt | 47.71 | |
| | | *For >10 To 50, Deduct* | *-1.43* | |
| | | *For >50 To 100, Deduct* | *-3.34* | |
| | | *For >100 To 250, Deduct* | *-6.69* | |
| | | *For >250 To 500, Deduct* | *-11.47* | |
| | | *For >500, Deduct* | *-16.25* | |

## 06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0142 | EA | 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt | 16.08 | |
| | | *For >10 To 50, Deduct* | *-0.72* | |
| | | *For >50 To 100, Deduct* | *-1.48* | |
| | | *For >100 To 250, Deduct* | *-2.96* | |
| | | *For >250 To 500, Deduct* | *-5.15* | |
| | | *For >500, Deduct* | *-7.34* | |
| 06 05 23 00-0143 | EA | 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt | 17.99 | |
| | | *For >10 To 50, Deduct* | *-0.72* | |
| | | *For >50 To 100, Deduct* | *-1.53* | |
| | | *For >100 To 250, Deduct* | *-3.05* | |
| | | *For >250 To 500, Deduct* | *-5.29* | |
| | | *For >500, Deduct* | *-7.54* | |
| 06 05 23 00-0144 | EA | 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt | 19.24 | |
| | | *For >10 To 50, Deduct* | *-0.72* | |
| | | *For >50 To 100, Deduct* | *-1.56* | |
| | | *For >100 To 250, Deduct* | *-3.11* | |
| | | *For >250 To 500, Deduct* | *-5.39* | |
| | | *For >500, Deduct* | *-7.66* | |
| 06 05 23 00-0145 | EA | 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt | 34.89 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-2.11* | |
| | | *For >100 To 250, Deduct* | *-4.23* | |
| | | *For >250 To 500, Deduct* | *-7.17* | |
| | | *For >500, Deduct* | *-10.11* | |
| 06 05 23 00-0146 | EA | 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt | 18.96 | |
| | | *For >10 To 50, Deduct* | *-0.77* | |
| | | *For >50 To 100, Deduct* | *-1.63* | |
| | | *For >100 To 250, Deduct* | *-3.27* | |
| | | *For >250 To 500, Deduct* | *-5.67* | |
| | | *For >500, Deduct* | *-8.08* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0147 | EA | 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt | 22.83 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-1.81* | |
| | | *For >100 To 250, Deduct* | *-3.62* | |
| | | *For >250 To 500, Deduct* | *-6.26* | |
| | | *For >500, Deduct* | *-8.90* | |
| 06 05 23 00-0148 | EA | 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt | 23.43 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-1.83* | |
| | | *For >100 To 250, Deduct* | *-3.65* | |
| | | *For >250 To 500, Deduct* | *-6.31* | |
| | | *For >500, Deduct* | *-8.96* | |
| 06 05 23 00-0149 | EA | 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt | 46.64 | |
| | | *For >10 To 50, Deduct* | *-0.99* | |
| | | *For >50 To 100, Deduct* | *-2.66* | |
| | | *For >100 To 250, Deduct* | *-5.31* | |
| | | *For >250 To 500, Deduct* | *-8.96* | |
| | | *For >500, Deduct* | *-12.61* | |
| 06 05 23 00-0150 | EA | 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt | 57.69 | |
| | | *For >10 To 50, Deduct* | *-1.05* | |
| | | *For >50 To 100, Deduct* | *-3.02* | |
| | | *For >100 To 250, Deduct* | *-6.03* | |
| | | *For >250 To 500, Deduct* | *-10.09* | |
| | | *For >500, Deduct* | *-14.16* | |
| 06 05 23 00-0151 | EA | 3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt | 64.72 | |
| | | *For >10 To 50, Deduct* | *-1.16* | |
| | | *For >50 To 100, Deduct* | *-3.36* | |
| | | *For >100 To 250, Deduct* | *-6.71* | |
| | | *For >250 To 500, Deduct* | *-11.23* | |
| | | *For >500, Deduct* | *-15.74* | |
| 06 05 23 00-0152 | EA | 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt | 25.06 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-1.87* | |
| | | *For >100 To 250, Deduct* | *-3.74* | |
| | | *For >250 To 500, Deduct* | *-6.43* | |
| | | *For >500, Deduct* | *-9.13* | |
| 06 05 23 00-0153 | EA | 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt | 28.83 | |
| | | *For >10 To 50, Deduct* | *-0.88* | |
| | | *For >50 To 100, Deduct* | *-2.05* | |
| | | *For >100 To 250, Deduct* | *-4.09* | |
| | | *For >250 To 500, Deduct* | *-7.02* | |
| | | *For >500, Deduct* | *-9.95* | |
| 06 05 23 00-0154 | EA | 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt | 35.71 | |
| | | *For >10 To 50, Deduct* | *-0.94* | |
| | | *For >50 To 100, Deduct* | *-2.30* | |
| | | *For >100 To 250, Deduct* | *-4.60* | |
| | | *For >250 To 500, Deduct* | *-7.83* | |
| | | *For >500, Deduct* | *-11.07* | |
| 06 05 23 00-0155 | EA | 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt | 59.44 | |
| | | *For >10 To 50, Deduct* | *-1.05* | |
| | | *For >50 To 100, Deduct* | *-3.06* | |
| | | *For >100 To 250, Deduct* | *-6.12* | |
| | | *For >250 To 500, Deduct* | *-10.22* | |
| | | *For >500, Deduct* | *-14.33* | |
| 06 05 23 00-0156 | EA | 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt | 66.95 | |
| | | *For >10 To 50, Deduct* | *-1.21* | |
| | | *For >50 To 100, Deduct* | *-3.49* | |
| | | *For >100 To 250, Deduct* | *-6.99* | |
| | | *For >250 To 500, Deduct* | *-11.70* | |
| | | *For >500, Deduct* | *-16.40* | |
| 06 05 23 00-0157 | EA | 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt | 108.61 | |
| | | *For >10 To 50, Deduct* | *-1.32* | |
| | | *For >50 To 100, Deduct* | *-4.70* | |
| | | *For >100 To 250, Deduct* | *-9.40* | |
| | | *For >250 To 500, Deduct* | *-15.43* | |
| | | *For >500, Deduct* | *-21.45* | |
| 06 05 23 00-0158 | EA | 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt | 84.23 | |
| | | *For >10 To 50, Deduct* | *-1.05* | |
| | | *For >50 To 100, Deduct* | *-3.68* | |
| | | *For >100 To 250, Deduct* | *-7.36* | |
| | | *For >250 To 500, Deduct* | *-12.08* | |
| | | *For >500, Deduct* | *-16.81* | |
| 06 05 23 00-0159 | EA | 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt | 120.88 | |
| | | *For >10 To 50, Deduct* | *-1.21* | |
| | | *For >50 To 100, Deduct* | *-4.84* | |
| | | *For >100 To 250, Deduct* | *-9.68* | |
| | | *For >250 To 500, Deduct* | *-15.74* | |
| | | *For >500, Deduct* | *-21.80* | |
| 06 05 23 00-0160 | EA | 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt | 134.41 | |
| | | *For >10 To 50, Deduct* | *-1.27* | |
| | | *For >50 To 100, Deduct* | *-5.26* | |
| | | *For >100 To 250, Deduct* | *-10.53* | |
| | | *For >250 To 500, Deduct* | *-17.06* | |
| | | *For >500, Deduct* | *-23.59* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0161 | EA | 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt | 201.35 | |
| | | *For >10 To 50, Deduct* | *-1.38* | |
| | | *For >50 To 100, Deduct* | *-7.10* | |
| | | *For >100 To 250, Deduct* | *-14.20* | |
| | | *For >250 To 500, Deduct* | *-22.69* | |
| | | *For >500, Deduct* | *-31.17* | |
| 06 05 23 00-0162 | EA | 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt | 211.90 | |
| | | *For >10 To 50, Deduct* | *-1.43* | |
| | | *For >50 To 100, Deduct* | *-7.45* | |
| | | *For >100 To 250, Deduct* | *-14.90* | |
| | | *For >250 To 500, Deduct* | *-23.78* | |
| | | *For >500, Deduct* | *-32.67* | |

## 06 05 23 00-0163 316 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0164 | EA | 1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt | 24.90 | |
| | | *For >10 To 50, Deduct* | *-0.72* | |
| | | *For >50 To 100, Deduct* | *-1.70* | |
| | | *For >100 To 250, Deduct* | *-3.40* | |
| | | *For >250 To 500, Deduct* | *-5.81* | |
| | | *For >500, Deduct* | *-8.23* | |
| 06 05 23 00-0165 | EA | 1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt | 28.25 | |
| | | *For >10 To 50, Deduct* | *-0.72* | |
| | | *For >50 To 100, Deduct* | *-1.78* | |
| | | *For >100 To 250, Deduct* | *-3.56* | |
| | | *For >250 To 500, Deduct* | *-6.06* | |
| | | *For >500, Deduct* | *-8.56* | |
| 06 05 23 00-0166 | EA | 3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt | 30.50 | |
| | | *For >10 To 50, Deduct* | *-0.77* | |
| | | *For >50 To 100, Deduct* | *-1.92* | |
| | | *For >100 To 250, Deduct* | *-3.84* | |
| | | *For >250 To 500, Deduct* | *-6.54* | |
| | | *For >500, Deduct* | *-9.23* | |
| 06 05 23 00-0167 | EA | 3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt | 36.25 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-2.15* | |
| | | *For >100 To 250, Deduct* | *-4.30* | |
| | | *For >250 To 500, Deduct* | *-7.27* | |
| | | *For >500, Deduct* | *-10.25* | |
| 06 05 23 00-0168 | EA | 1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt | 51.15 | |
| | | *For >10 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-2.52* | |
| | | *For >100 To 250, Deduct* | *-5.04* | |
| | | *For >250 To 500, Deduct* | *-8.39* | |
| | | *For >500, Deduct* | *-11.74* | |
| 06 05 23 00-0169 | EA | 1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt | 55.87 | |
| | | *For >10 To 50, Deduct* | *-0.88* | |
| | | *For >50 To 100, Deduct* | *-2.72* | |
| | | *For >100 To 250, Deduct* | *-5.44* | |
| | | *For >250 To 500, Deduct* | *-9.05* | |
| | | *For >500, Deduct* | *-12.65* | |
| 06 05 23 00-0170 | EA | 1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt | 60.29 | |
| | | *For >10 To 50, Deduct* | *-0.94* | |
| | | *For >50 To 100, Deduct* | *-2.91* | |
| | | *For >100 To 250, Deduct* | *-5.83* | |
| | | *For >250 To 500, Deduct* | *-9.68* | |
| | | *For >500, Deduct* | *-13.53* | |

## 06 05 23 00-0171 Hex Lag Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material

## 06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0171)*

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0173 | EA | 1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt | 14.06 | |
| | | *For >10 To 50, Deduct* | *-0.69* | |
| | | *For >50 To 100, Deduct* | *-1.39* | |
| | | *For >100 To 250, Deduct* | *-2.77* | |
| | | *For >250 To 500, Deduct* | *-4.85* | |
| | | *For >500, Deduct* | *-6.92* | |
| 06 05 23 00-0174 | EA | 1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt | 14.23 | |
| | | *For >10 To 50, Deduct* | *-0.69* | |
| | | *For >50 To 100, Deduct* | *-1.39* | |
| | | *For >100 To 250, Deduct* | *-2.78* | |
| | | *For >250 To 500, Deduct* | *-4.86* | |
| | | *For >500, Deduct* | *-6.94* | |
| 06 05 23 00-0175 | EA | 1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt | 14.57 | |
| | | *For >10 To 50, Deduct* | *-0.69* | |
| | | *For >50 To 100, Deduct* | *-1.40* | |
| | | *For >100 To 250, Deduct* | *-2.80* | |
| | | *For >250 To 500, Deduct* | *-4.89* | |
| | | *For >500, Deduct* | *-6.97* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0176 | EA | 3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt | 15.54 | |
| | | *For >10 To 50, Deduct* | *-0.75* | |
| | | *For >50 To 100, Deduct* | *-1.52* | |
| | | *For >100 To 250, Deduct* | *-3.03* | |
| | | *For >250 To 500, Deduct* | *-5.30* | |
| | | *For >500, Deduct* | *-7.57* | |
| 06 05 23 00-0177 | EA | 3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt | 16.95 | |
| | | *For >10 To 50, Deduct* | *-0.81* | |
| | | *For >50 To 100, Deduct* | *-1.63* | |
| | | *For >100 To 250, Deduct* | *-3.26* | |
| | | *For >250 To 500, Deduct* | *-5.70* | |
| | | *For >500, Deduct* | *-8.14* | |
| 06 05 23 00-0178 | EA | 3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt | 17.33 | |
| | | *For >10 To 50, Deduct* | *-0.81* | |
| | | *For >50 To 100, Deduct* | *-1.64* | |
| | | *For >100 To 250, Deduct* | *-3.28* | |
| | | *For >250 To 500, Deduct* | *-5.73* | |
| | | *For >500, Deduct* | *-8.18* | |
| 06 05 23 00-0179 | EA | 3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt | 21.32 | |
| | | *For >10 To 50, Deduct* | *-0.97* | |
| | | *For >50 To 100, Deduct* | *-1.98* | |
| | | *For >100 To 250, Deduct* | *-3.97* | |
| | | *For >250 To 500, Deduct* | *-6.91* | |
| | | *For >500, Deduct* | *-9.86* | |
| 06 05 23 00-0180 | EA | 3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt | 22.60 | |
| | | *For >10 To 50, Deduct* | *-1.02* | |
| | | *For >50 To 100, Deduct* | *-2.09* | |
| | | *For >100 To 250, Deduct* | *-4.19* | |
| | | *For >250 To 500, Deduct* | *-7.30* | |
| | | *For >500, Deduct* | *-10.42* | |
| 06 05 23 00-0181 | EA | 1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt | 17.32 | |
| | | *For >10 To 50, Deduct* | *-0.81* | |
| | | *For >50 To 100, Deduct* | *-1.65* | |
| | | *For >100 To 250, Deduct* | *-3.30* | |
| | | *For >250 To 500, Deduct* | *-5.76* | |
| | | *For >500, Deduct* | *-8.22* | |
| 06 05 23 00-0182 | EA | 1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt | 18.93 | |
| | | *For >10 To 50, Deduct* | *-0.87* | |
| | | *For >50 To 100, Deduct* | *-1.77* | |
| | | *For >100 To 250, Deduct* | *-3.54* | |
| | | *For >250 To 500, Deduct* | *-6.18* | |
| | | *For >500, Deduct* | *-8.81* | |
| 06 05 23 00-0183 | EA | 1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt | 20.73 | |
| | | *For >10 To 50, Deduct* | *-0.92* | |
| | | *For >50 To 100, Deduct* | *-1.90* | |
| | | *For >100 To 250, Deduct* | *-3.80* | |
| | | *For >250 To 500, Deduct* | *-6.61* | |
| | | *For >500, Deduct* | *-9.43* | |
| 06 05 23 00-0184 | EA | 1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt | 23.69 | |
| | | *For >10 To 50, Deduct* | *-1.03* | |
| | | *For >50 To 100, Deduct* | *-2.13* | |
| | | *For >100 To 250, Deduct* | *-4.27* | |
| | | *For >250 To 500, Deduct* | *-7.43* | |
| | | *For >500, Deduct* | *-10.59* | |
| 06 05 23 00-0185 | EA | 1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt | 28.03 | |
| | | *For >10 To 50, Deduct* | *-1.19* | |
| | | *For >50 To 100, Deduct* | *-2.49* | |
| | | *For >100 To 250, Deduct* | *-4.97* | |
| | | *For >250 To 500, Deduct* | *-8.65* | |
| | | *For >500, Deduct* | *-12.32* | |
| 06 05 23 00-0186 | EA | 1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt | 30.58 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-2.71* | |
| | | *For >100 To 250, Deduct* | *-5.42* | |
| | | *For >250 To 500, Deduct* | *-9.43* | |
| | | *For >500, Deduct* | *-13.44* | |
| 06 05 23 00-0187 | EA | 3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt | 25.98 | |
| | | *For >10 To 50, Deduct* | *-1.03* | |
| | | *For >50 To 100, Deduct* | *-2.19* | |
| | | *For >100 To 250, Deduct* | *-4.38* | |
| | | *For >250 To 500, Deduct* | *-7.60* | |
| | | *For >500, Deduct* | *-10.82* | |
| 06 05 23 00-0188 | EA | 3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt | 31.20 | |
| | | *For >10 To 50, Deduct* | *-1.19* | |
| | | *For >50 To 100, Deduct* | *-2.57* | |
| | | *For >100 To 250, Deduct* | *-5.13* | |
| | | *For >250 To 500, Deduct* | *-8.89* | |
| | | *For >500, Deduct* | *-12.64* | |
| 06 05 23 00-0189 | EA | 3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt | 34.89 | |
| | | *For >10 To 50, Deduct* | *-1.24* | |
| | | *For >50 To 100, Deduct* | *-2.74* | |
| | | *For >100 To 250, Deduct* | *-5.48* | |
| | | *For >250 To 500, Deduct* | *-9.46* | |
| | | *For >500, Deduct* | *-13.44* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0190 | EA | 3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt | 39.43 | |
| | | *For >10 To 50, Deduct* | *-1.35* | |
| | | *For >50 To 100, Deduct* | *-3.01* | |
| | | *For >100 To 250, Deduct* | *-6.03* | |
| | | *For >250 To 500, Deduct* | *-10.39* | |
| | | *For >500, Deduct* | *-14.76* | |
| 06 05 23 00-0191 | EA | 3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt | 44.71 | |
| | | *For >10 To 50, Deduct* | *-1.41* | |
| | | *For >50 To 100, Deduct* | *-3.23* | |
| | | *For >100 To 250, Deduct* | *-6.45* | |
| | | *For >250 To 500, Deduct* | *-11.09* | |
| | | *For >500, Deduct* | *-15.72* | |

## 06 05 23 00-0192 Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0171)*

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0193 | EA | 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 14.14 | |
| | | *For >10 To 50, Deduct* | *-0.69* | |
| | | *For >50 To 100, Deduct* | *-1.39* | |
| | | *For >100 To 250, Deduct* | *-2.78* | |
| | | *For >250 To 500, Deduct* | *-4.85* | |
| | | *For >500, Deduct* | *-6.93* | |
| 06 05 23 00-0194 | EA | 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 14.40 | |
| | | *For >10 To 50, Deduct* | *-0.69* | |
| | | *For >50 To 100, Deduct* | *-1.39* | |
| | | *For >100 To 250, Deduct* | *-2.79* | |
| | | *For >250 To 500, Deduct* | *-4.87* | |
| | | *For >500, Deduct* | *-6.96* | |
| 06 05 23 00-0195 | EA | 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 14.67 | |
| | | *For >10 To 50, Deduct* | *-0.69* | |
| | | *For >50 To 100, Deduct* | *-1.40* | |
| | | *For >100 To 250, Deduct* | *-2.80* | |
| | | *For >250 To 500, Deduct* | *-4.89* | |
| | | *For >500, Deduct* | *-6.98* | |
| 06 05 23 00-0196 | EA | 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 15.69 | |
| | | *For >10 To 50, Deduct* | *-0.75* | |
| | | *For >50 To 100, Deduct* | *-1.52* | |
| | | *For >100 To 250, Deduct* | *-3.04* | |
| | | *For >250 To 500, Deduct* | *-5.31* | |
| | | *For >500, Deduct* | *-7.58* | |
| 06 05 23 00-0197 | EA | 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 17.18 | |
| | | *For >10 To 50, Deduct* | *-0.81* | |
| | | *For >50 To 100, Deduct* | *-1.64* | |
| | | *For >100 To 250, Deduct* | *-3.28* | |
| | | *For >250 To 500, Deduct* | *-5.72* | |
| | | *For >500, Deduct* | *-8.16* | |
| 06 05 23 00-0198 | EA | 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 17.60 | |
| | | *For >10 To 50, Deduct* | *-0.81* | |
| | | *For >50 To 100, Deduct* | *-1.65* | |
| | | *For >100 To 250, Deduct* | *-3.30* | |
| | | *For >250 To 500, Deduct* | *-5.75* | |
| | | *For >500, Deduct* | *-8.20* | |
| 06 05 23 00-0199 | EA | 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 21.83 | |
| | | *For >10 To 50, Deduct* | *-0.97* | |
| | | *For >50 To 100, Deduct* | *-2.00* | |
| | | *For >100 To 250, Deduct* | *-3.99* | |
| | | *For >250 To 500, Deduct* | *-6.95* | |
| | | *For >500, Deduct* | *-9.92* | |
| 06 05 23 00-0200 | EA | 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 23.46 | |
| | | *For >10 To 50, Deduct* | *-1.02* | |
| | | *For >50 To 100, Deduct* | *-2.12* | |
| | | *For >100 To 250, Deduct* | *-4.23* | |
| | | *For >250 To 500, Deduct* | *-7.37* | |
| | | *For >500, Deduct* | *-10.50* | |
| 06 05 23 00-0201 | EA | 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 17.70 | |
| | | *For >10 To 50, Deduct* | *-0.81* | |
| | | *For >50 To 100, Deduct* | *-1.66* | |
| | | *For >100 To 250, Deduct* | *-3.32* | |
| | | *For >250 To 500, Deduct* | *-5.79* | |
| | | *For >500, Deduct* | *-8.26* | |
| 06 05 23 00-0202 | EA | 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 19.15 | |
| | | *For >10 To 50, Deduct* | *-0.87* | |
| | | *For >50 To 100, Deduct* | *-1.78* | |
| | | *For >100 To 250, Deduct* | *-3.55* | |
| | | *For >250 To 500, Deduct* | *-6.19* | |
| | | *For >500, Deduct* | *-8.84* | |
| 06 05 23 00-0203 | EA | 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 21.11 | |
| | | *For >10 To 50, Deduct* | *-0.92* | |
| | | *For >50 To 100, Deduct* | *-1.91* | |
| | | *For >100 To 250, Deduct* | *-3.81* | |
| | | *For >250 To 500, Deduct* | *-6.64* | |
| | | *For >500, Deduct* | *-9.47* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0204 | EA | 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 24.85 | |
| | | *For >10 To 50, Deduct* | *-1.03* | |
| | | *For >50 To 100, Deduct* | *-2.16* | |
| | | *For >100 To 250, Deduct* | *-4.33* | |
| | | *For >250 To 500, Deduct* | *-7.52* | |
| | | *For >500, Deduct* | *-10.71* | |
| 06 05 23 00-0205 | EA | 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 28.59 | |
| | | *For >10 To 50, Deduct* | *-1.19* | |
| | | *For >50 To 100, Deduct* | *-2.50* | |
| | | *For >100 To 250, Deduct* | *-5.00* | |
| | | *For >250 To 500, Deduct* | *-8.69* | |
| | | *For >500, Deduct* | *-12.38* | |
| 06 05 23 00-0206 | EA | 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 31.97 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-2.75* | |
| | | *For >100 To 250, Deduct* | *-5.49* | |
| | | *For >250 To 500, Deduct* | *-9.54* | |
| | | *For >500, Deduct* | *-13.58* | |
| 06 05 23 00-0207 | EA | 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 26.84 | |
| | | *For >10 To 50, Deduct* | *-1.03* | |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 250, Deduct* | *-4.42* | |
| | | *For >250 To 500, Deduct* | *-7.66* | |
| | | *For >500, Deduct* | *-10.90* | |
| 06 05 23 00-0208 | EA | 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 31.98 | |
| | | *For >10 To 50, Deduct* | *-1.19* | |
| | | *For >50 To 100, Deduct* | *-2.58* | |
| | | *For >100 To 250, Deduct* | *-5.17* | |
| | | *For >250 To 500, Deduct* | *-8.94* | |
| | | *For >500, Deduct* | *-12.72* | |
| 06 05 23 00-0209 | EA | 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 36.19 | |
| | | *For >10 To 50, Deduct* | *-1.24* | |
| | | *For >50 To 100, Deduct* | *-2.77* | |
| | | *For >100 To 250, Deduct* | *-5.54* | |
| | | *For >250 To 500, Deduct* | *-9.56* | |
| | | *For >500, Deduct* | *-13.57* | |
| 06 05 23 00-0210 | EA | 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 42.50 | |
| | | *For >10 To 50, Deduct* | *-1.35* | |
| | | *For >50 To 100, Deduct* | *-3.09* | |
| | | *For >100 To 250, Deduct* | *-6.18* | |
| | | *For >250 To 500, Deduct* | *-10.62* | |
| | | *For >500, Deduct* | *-15.07* | |
| 06 05 23 00-0211 | EA | 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt | 47.99 | |
| | | *For >10 To 50, Deduct* | *-1.41* | |
| | | *For >50 To 100, Deduct* | *-3.31* | |
| | | *For >100 To 250, Deduct* | *-6.62* | |
| | | *For >250 To 500, Deduct* | *-11.33* | |
| | | *For >500, Deduct* | *-16.05* | |

## 06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0171)*

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0213 | EA | 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 14.99 | |
| | | *For >10 To 50, Deduct* | *-0.69* | |
| | | *For >50 To 100, Deduct* | *-1.41* | |
| | | *For >100 To 250, Deduct* | *-2.82* | |
| | | *For >250 To 500, Deduct* | *-4.92* | |
| | | *For >500, Deduct* | *-7.02* | |
| 06 05 23 00-0214 | EA | 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 15.89 | |
| | | *For >10 To 50, Deduct* | *-0.69* | |
| | | *For >50 To 100, Deduct* | *-1.43* | |
| | | *For >100 To 250, Deduct* | *-2.86* | |
| | | *For >250 To 500, Deduct* | *-4.98* | |
| | | *For >500, Deduct* | *-7.11* | |
| 06 05 23 00-0215 | EA | 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 18.32 | |
| | | *For >10 To 50, Deduct* | *-0.69* | |
| | | *For >50 To 100, Deduct* | *-1.49* | |
| | | *For >100 To 250, Deduct* | *-2.98* | |
| | | *For >250 To 500, Deduct* | *-5.17* | |
| | | *For >500, Deduct* | *-7.35* | |
| 06 05 23 00-0216 | EA | 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 18.10 | |
| | | *For >10 To 50, Deduct* | *-0.75* | |
| | | *For >50 To 100, Deduct* | *-1.58* | |
| | | *For >100 To 250, Deduct* | *-3.16* | |
| | | *For >250 To 500, Deduct* | *-5.49* | |
| | | *For >500, Deduct* | *-7.82* | |
| 06 05 23 00-0217 | EA | 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 20.53 | |
| | | *For >10 To 50, Deduct* | *-0.81* | |
| | | *For >50 To 100, Deduct* | *-1.72* | |
| | | *For >100 To 250, Deduct* | *-3.44* | |
| | | *For >250 To 500, Deduct* | *-5.97* | |
| | | *For >500, Deduct* | *-8.50* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0218 | EA | 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 22.08 | |
| | | *For >10 To 50, Deduct* | *-0.81* | |
| | | *For >50 To 100, Deduct* | *-1.76* | |
| | | *For >100 To 250, Deduct* | *-3.52* | |
| | | *For >250 To 500, Deduct* | *-6.09* | |
| | | *For >500, Deduct* | *-8.65* | |
| 06 05 23 00-0219 | EA | 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 46.94 | |
| | | *For >10 To 50, Deduct* | *-0.97* | |
| | | *For >50 To 100, Deduct* | *-2.62* | |
| | | *For >100 To 250, Deduct* | *-5.25* | |
| | | *For >250 To 500, Deduct* | *-8.84* | |
| | | *For >500, Deduct* | *-12.43* | |
| 06 05 23 00-0220 | EA | 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 66.93 | |
| | | *For >10 To 50, Deduct* | *-1.02* | |
| | | *For >50 To 100, Deduct* | *-3.20* | |
| | | *For >100 To 250, Deduct* | *-6.41* | |
| | | *For >250 To 500, Deduct* | *-10.63* | |
| | | *For >500, Deduct* | *-14.85* | |
| 06 05 23 00-0221 | EA | 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 22.25 | |
| | | *For >10 To 50, Deduct* | *-0.81* | |
| | | *For >50 To 100, Deduct* | *-1.77* | |
| | | *For >100 To 250, Deduct* | *-3.55* | |
| | | *For >250 To 500, Deduct* | *-6.13* | |
| | | *For >500, Deduct* | *-8.72* | |
| 06 05 23 00-0222 | EA | 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 26.57 | |
| | | *For >10 To 50, Deduct* | *-0.87* | |
| | | *For >50 To 100, Deduct* | *-1.96* | |
| | | *For >100 To 250, Deduct* | *-3.92* | |
| | | *For >250 To 500, Deduct* | *-6.75* | |
| | | *For >500, Deduct* | *-9.58* | |
| 06 05 23 00-0223 | EA | 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 33.26 | |
| | | *For >10 To 50, Deduct* | *-0.92* | |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 250, Deduct* | *-4.42* | |
| | | *For >250 To 500, Deduct* | *-7.55* | |
| | | *For >500, Deduct* | *-10.68* | |
| 06 05 23 00-0224 | EA | 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 71.48 | |
| | | *For >10 To 50, Deduct* | *-1.03* | |
| | | *For >50 To 100, Deduct* | *-3.33* | |
| | | *For >100 To 250, Deduct* | *-6.66* | |
| | | *For >250 To 500, Deduct* | *-11.01* | |
| | | *For >500, Deduct* | *-15.37* | |
| 06 05 23 00-0225 | EA | 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 97.91 | |
| | | *For >10 To 50, Deduct* | *-1.19* | |
| | | *For >50 To 100, Deduct* | *-4.23* | |
| | | *For >100 To 250, Deduct* | *-8.47* | |
| | | *For >250 To 500, Deduct* | *-13.89* | |
| | | *For >500, Deduct* | *-19.31* | |
| 06 05 23 00-0226 | EA | 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 114.64 | |
| | | *For >10 To 50, Deduct* | *-1.30* | |
| | | *For >50 To 100, Deduct* | *-4.81* | |
| | | *For >100 To 250, Deduct* | *-9.63* | |
| | | *For >250 To 500, Deduct* | *-15.74* | |
| | | *For >500, Deduct* | *-21.85* | |
| 06 05 23 00-0227 | EA | 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 106.87 | |
| | | *For >10 To 50, Deduct* | *-1.03* | |
| | | *For >50 To 100, Deduct* | *-4.21* | |
| | | *For >100 To 250, Deduct* | *-8.43* | |
| | | *For >250 To 500, Deduct* | *-13.67* | |
| | | *For >500, Deduct* | *-18.91* | |
| 06 05 23 00-0228 | EA | 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 122.12 | |
| | | *For >10 To 50, Deduct* | *-1.19* | |
| | | *For >50 To 100, Deduct* | *-4.84* | |
| | | *For >100 To 250, Deduct* | *-9.68* | |
| | | *For >250 To 500, Deduct* | *-15.70* | |
| | | *For >500, Deduct* | *-21.73* | |
| 06 05 23 00-0229 | EA | 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 127.06 | |
| | | *For >10 To 50, Deduct* | *-1.24* | |
| | | *For >50 To 100, Deduct* | *-5.04* | |
| | | *For >100 To 250, Deduct* | *-10.09* | |
| | | *For >250 To 500, Deduct* | *-16.37* | |
| | | *For >500, Deduct* | *-22.66* | |
| 06 05 23 00-0230 | EA | 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 177.13 | |
| | | *For >10 To 50, Deduct* | *-1.35* | |
| | | *For >50 To 100, Deduct* | *-6.46* | |
| | | *For >100 To 250, Deduct* | *-12.91* | |
| | | *For >250 To 500, Deduct* | *-20.72* | |
| | | *For >500, Deduct* | *-28.53* | |
| 06 05 23 00-0231 | EA | 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt | 193.49 | |
| | | *For >10 To 50, Deduct* | *-1.41* | |
| | | *For >50 To 100, Deduct* | *-6.95* | |
| | | *For >100 To 250, Deduct* | *-13.89* | |
| | | *For >250 To 500, Deduct* | *-22.24* | |
| | | *For >500, Deduct* | *-30.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 06 05 23 00-0232 Stainless Steel Screws *(06 05 23 00-0093)*

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0233 | EA | #8 x 1-1/2" Stainless Steel Screw | 2.18 | |
| 06 05 23 00-0234 | EA | #9 x 1-1/2" Stainless Steel Screw | 2.23 | |
| 06 05 23 00-0235 | EA | #10 x 1-1/2" Stainless Steel Screw | 2.29 | |
| 06 05 23 00-0236 | EA | #12 x 1-1/2" Stainless Steel Screw | 2.46 | |

## 06 05 23 00-0237 Galvanized Steel Screws *(06 05 23 00-0093)*

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0238 | EA | #8 x 1-1/2" Galvanized Steel Screw | 2.01 | |
| 06 05 23 00-0239 | EA | #9 x 1-1/2" Galvanized Steel Screw | 2.06 | |
| 06 05 23 00-0240 | EA | #10 x 1-1/2" Galvanized Steel Screw | 2.11 | |
| 06 05 23 00-0241 | EA | #12 x 1-1/2" Galvanized Steel Screw | 2.25 | |
| 06 05 23 00-0242 | EA | #8 x 2-1/2" Galvanized Steel Screw | 2.05 | |
| 06 05 23 00-0243 | EA | #9 x 2-1/2" Galvanized Steel Screw | 2.09 | |
| 06 05 23 00-0244 | EA | #10 x 2-1/2" Galvanized Steel Screw | 2.15 | |
| 06 05 23 00-0245 | EA | #12 x 2-1/2" Galvanized Steel Screw | 2.33 | |

## 06 05 23 00-0246 Timber Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0247 | EA | 5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914) | 39.10 | |
| | | *For >10 To 50, Deduct* | *-1.14* | |
| | | *For >50 To 100, Deduct* | *-2.69* | |
| | | *For >100 To 250, Deduct* | *-5.39* | |
| | | *For >250 To 500, Deduct* | *-9.23* | |
| | | *For >500, Deduct* | *-13.07* | |
| 06 05 23 00-0248 | EA | 5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915) | 44.26 | |
| | | *For >10 To 50, Deduct* | *-1.28* | |
| | | *For >50 To 100, Deduct* | *-3.03* | |
| | | *For >100 To 250, Deduct* | *-6.06* | |
| | | *For >250 To 500, Deduct* | *-10.37* | |
| | | *For >500, Deduct* | *-14.67* | |
| 06 05 23 00-0249 | EA | 5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916) | 47.95 | |
| | | *For >10 To 50, Deduct* | *-1.36* | |
| | | *For >50 To 100, Deduct* | *-3.25* | |
| | | *For >100 To 250, Deduct* | *-6.49* | |
| | | *For >250 To 500, Deduct* | *-11.10* | |
| | | *For >500, Deduct* | *-15.71* | |
| 06 05 23 00-0250 | EA | 5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917) | 53.98 | |
| | | *For >10 To 50, Deduct* | *-1.44* | |
| | | *For >50 To 100, Deduct* | *-3.51* | |
| | | *For >100 To 250, Deduct* | *-7.03* | |
| | | *For >250 To 500, Deduct* | *-11.98* | |
| | | *For >500, Deduct* | *-16.94* | |
| 06 05 23 00-0251 | EA | 5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918) | 57.56 | |
| | | *For >10 To 50, Deduct* | *-1.52* | |
| | | *For >50 To 100, Deduct* | *-3.72* | |
| | | *For >100 To 250, Deduct* | *-7.44* | |
| | | *For >250 To 500, Deduct* | *-12.68* | |
| | | *For >500, Deduct* | *-17.92* | |
| 06 05 23 00-0252 | EA | 5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919) | 59.71 | |
| | | *For >10 To 50, Deduct* | *-1.59* | |
| | | *For >50 To 100, Deduct* | *-3.87* | |
| | | *For >100 To 250, Deduct* | *-7.75* | |
| | | *For >250 To 500, Deduct* | *-13.21* | |
| | | *For >500, Deduct* | *-18.67* | |
| 06 05 23 00-0253 | EA | 3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920) | 53.97 | |
| | | *For >10 To 50, Deduct* | *-1.36* | |
| | | *For >50 To 100, Deduct* | *-3.40* | |
| | | *For >100 To 250, Deduct* | *-6.79* | |
| | | *For >250 To 500, Deduct* | *-11.55* | |
| | | *For >500, Deduct* | *-16.31* | |
| 06 05 23 00-0254 | EA | 3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921) | 56.51 | |
| | | *For >10 To 50, Deduct* | *-1.42* | |
| | | *For >50 To 100, Deduct* | *-3.54* | |
| | | *For >100 To 250, Deduct* | *-7.09* | |
| | | *For >250 To 500, Deduct* | *-12.05* | |
| | | *For >500, Deduct* | *-17.01* | |
| 06 05 23 00-0255 | EA | 3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922) | 63.07 | |
| | | *For >10 To 50, Deduct* | *-1.50* | |
| | | *For >50 To 100, Deduct* | *-3.83* | |
| | | *For >100 To 250, Deduct* | *-7.66* | |
| | | *For >250 To 500, Deduct* | *-13.00* | |
| | | *For >500, Deduct* | *-18.34* | |
| 06 05 23 00-0256 | EA | 3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923) | 67.96 | |
| | | *For >10 To 50, Deduct* | *-1.58* | |
| | | *For >50 To 100, Deduct* | *-4.07* | |
| | | *For >100 To 250, Deduct* | *-8.14* | |
| | | *For >250 To 500, Deduct* | *-13.80* | |
| | | *For >500, Deduct* | *-19.45* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0257 | EA | 3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924) | 73.30 | |
| | | *For >10 To 50, Deduct* | *-1.66* | |
| | | *For >50 To 100, Deduct* | *-4.32* | |
| | | *For >100 To 250, Deduct* | *-8.64* | |
| | | *For >250 To 500, Deduct* | *-14.62* | |
| | | *For >500, Deduct* | *-20.61* | |
| **06 05 23 00-0258** | | **Supports** *(06 05 23)* | | |
| **06 05 23 00-0259** | | **Shear Plates** *(06 05 23 00-0258)* | | |
| 06 05 23 00-0260 | EA | 2-5/8" Diameter, Shear Plate | 15.43 | 4.09 |
| | | *For >10 To 50, Deduct* | *-0.46* | |
| | | *For >50 To 100, Deduct* | *-1.08* | |
| | | *For >100 To 250, Deduct* | *-2.15* | |
| | | *For >250 To 500, Deduct* | *-3.68* | |
| | | *For >500, Deduct* | *-5.22* | |
| 06 05 23 00-0261 | EA | 4" Diameter, Shear Plate | 14.83 | 4.30 |
| | | *For >10 To 50, Deduct* | *-0.48* | |
| | | *For >50 To 100, Deduct* | *-1.09* | |
| | | *For >100 To 250, Deduct* | *-2.18* | |
| | | *For >250 To 500, Deduct* | *-3.75* | |
| | | *For >500, Deduct* | *-5.32* | |
| **06 05 23 00-0262** | | **Sill Anchors** *(06 05 23 00-0258)* | | |
| 06 05 23 00-0263 | EA | Sill Anchor Embedded In Concrete | 13.13 | 4.30 |
| | | *For >10 To 50, Deduct* | *-0.48* | |
| | | *For >50 To 100, Deduct* | *-1.05* | |
| | | *For >100 To 250, Deduct* | *-2.10* | |
| | | *For >250 To 500, Deduct* | *-3.62* | |
| | | *For >500, Deduct* | *-5.15* | |
| **06 05 23 00-0264** | | **Spike Grids** *(06 05 23 00-0258)* | | |
| 06 05 23 00-0265 | EA | 3" x 6" Flat Or Curved Spike Grid | 11.67 | 4.09 |
| | | *For >10 To 50, Deduct* | *-0.46* | |
| | | *For >50 To 100, Deduct* | *-0.98* | |
| | | *For >100 To 250, Deduct* | *-1.96* | |
| | | *For >250 To 500, Deduct* | *-3.40* | |
| | | *For >500, Deduct* | *-4.84* | |
| **06 05 23 00-0266** | | **Split Rings** *(06 05 23 00-0258)* | | |
| 06 05 23 00-0267 | EA | 2-1/2" Diameter Split Ring | 15.64 | 4.09 |
| | | *For >10 To 50, Deduct* | *-0.46* | |
| | | *For >50 To 100, Deduct* | *-1.08* | |
| | | *For >100 To 250, Deduct* | *-2.16* | |
| | | *For >250 To 500, Deduct* | *-3.70* | |
| | | *For >500, Deduct* | *-5.24* | |
| 06 05 23 00-0268 | EA | 4" Diameter Split Ring | 16.82 | 4.52 |
| | | *For >10 To 50, Deduct* | *-0.50* | |
| | | *For >50 To 100, Deduct* | *-1.17* | |
| | | *For >100 To 250, Deduct* | *-2.35* | |
| | | *For >250 To 500, Deduct* | *-4.02* | |
| | | *For >500, Deduct* | *-5.69* | |
| **06 05 23 00-0269** | | **Toothed Rings** *(06 05 23 00-0258)* | | |
| 06 05 23 00-0270 | EA | 2-5/8" Or 4" Toothed Ring | 12.42 | 4.09 |
| | | *For >10 To 50, Deduct* | *-0.46* | |
| | | *For >50 To 100, Deduct* | *-1.00* | |
| | | *For >100 To 250, Deduct* | *-2.00* | |
| | | *For >250 To 500, Deduct* | *-3.46* | |
| | | *For >500, Deduct* | *-4.92* | |
| **06 05 23 00-0271** | | **Straps And Shields** *(06 05 23)* | | |
| **06 05 23 00-0272** | | **Shield Plate** *(06 05 23 00-0271)* | | |
| 06 05 23 00-0273 | EA | 5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z) | 8.64 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.29* | |
| | | *For >100 To 250, Deduct* | *-0.57* | |
| | | *For >250 To 500, Deduct* | *-0.99* | |
| | | *For >500, Deduct* | *-1.50* | |
| 06 05 23 00-0274 | EA | 5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z) | 13.81 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.43* | |
| | | *For >100 To 250, Deduct* | *-0.86* | |
| | | *For >250 To 500, Deduct* | *-1.45* | |
| | | *For >500, Deduct* | *-2.14* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0275 | | Strap Ties *(06 05 23 00-0271)* | | |
| 06 05 23 00-0276 | EA | 1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9) | 3.28 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.14* | |
| | | *For >100 To 250, Deduct* | *-0.27* | |
| | | *For >250 To 500, Deduct* | *-0.52* | |
| | | *For >500, Deduct* | *-0.83* | |
| 06 05 23 00-0277 | EA | 1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12) | 3.37 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.14* | |
| | | *For >100 To 250, Deduct* | *-0.28* | |
| | | *For >250 To 500, Deduct* | *-0.53* | |
| | | *For >500, Deduct* | *-0.84* | |
| 06 05 23 00-0278 | EA | 1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15) | 4.31 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.18* | |
| | | *For >100 To 250, Deduct* | *-0.35* | |
| | | *For >250 To 500, Deduct* | *-0.67* | |
| | | *For >500, Deduct* | *-1.07* | |
| 06 05 23 00-0279 | EA | 1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18) | 4.48 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.18* | |
| | | *For >100 To 250, Deduct* | *-0.36* | |
| | | *For >250 To 500, Deduct* | *-0.68* | |
| | | *For >500, Deduct* | *-1.08* | |
| 06 05 23 00-0280 | EA | 1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21) | 4.66 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.19* | |
| | | *For >100 To 250, Deduct* | *-0.37* | |
| | | *For >250 To 500, Deduct* | *-0.69* | |
| | | *For >500, Deduct* | *-1.10* | |
| 06 05 23 00-0281 | EA | 1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24) | 5.35 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.22* | |
| | | *For >100 To 250, Deduct* | *-0.43* | |
| | | *For >250 To 500, Deduct* | *-0.82* | |
| | | *For >500, Deduct* | *-1.30* | |
| 06 05 23 00-0282 | EA | 1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30) | 6.98 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.26* | |
| | | *For >100 To 250, Deduct* | *-0.51* | |
| | | *For >250 To 500, Deduct* | *-0.94* | |
| | | *For >500, Deduct* | *-1.46* | |
| 06 05 23 00-0283 | EA | 1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36) | 8.09 | |
| | | *For >10 To 50, Deduct* | *-0.10* | |
| | | *For >50 To 100, Deduct* | *-0.30* | |
| | | *For >100 To 250, Deduct* | *-0.60* | |
| | | *For >250 To 500, Deduct* | *-1.09* | |
| | | *For >500, Deduct* | *-1.70* | |
| 06 05 23 00-0284 | EA | 1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9) | 3.65 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.15* | |
| | | *For >100 To 250, Deduct* | *-0.29* | |
| | | *For >250 To 500, Deduct* | *-0.55* | |
| | | *For >500, Deduct* | *-0.87* | |
| 06 05 23 00-0285 | EA | 1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12) | 3.78 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.15* | |
| | | *For >100 To 250, Deduct* | *-0.30* | |
| | | *For >250 To 500, Deduct* | *-0.56* | |
| | | *For >500, Deduct* | *-0.88* | |
| 06 05 23 00-0286 | EA | 1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15) | 4.82 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.19* | |
| | | *For >100 To 250, Deduct* | *-0.38* | |
| | | *For >250 To 500, Deduct* | *-0.71* | |
| | | *For >500, Deduct* | *-1.12* | |
| 06 05 23 00-0287 | EA | 1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18) | 5.04 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.20* | |
| | | *For >100 To 250, Deduct* | *-0.39* | |
| | | *For >250 To 500, Deduct* | *-0.72* | |
| | | *For >500, Deduct* | *-1.14* | |
| 06 05 23 00-0288 | EA | 1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21) | 5.14 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.20* | |
| | | *For >100 To 250, Deduct* | *-0.40* | |
| | | *For >250 To 500, Deduct* | *-0.73* | |
| | | *For >500, Deduct* | *-1.15* | |
| 06 05 23 00-0289 | EA | 1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24) | 5.86 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.46* | |
| | | *For >250 To 500, Deduct* | *-0.85* | |
| | | *For >500, Deduct* | *-1.35* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0290 | EA | 1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30) | 7.32 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.27* | |
| | | *For >100 To 250, Deduct* | *-0.53* | |
| | | *For >250 To 500, Deduct* | *-0.96* | |
| | | *For >500, Deduct* | *-1.49* | |
| 06 05 23 00-0291 | EA | 1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36) | 8.11 | |
| | | *For >10 To 50, Deduct* | *-0.10* | |
| | | *For >50 To 100, Deduct* | *-0.30* | |
| | | *For >100 To 250, Deduct* | *-0.60* | |
| | | *For >250 To 500, Deduct* | *-1.09* | |
| | | *For >500, Deduct* | *-1.70* | |
| 06 05 23 00-0292 | EA | 1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49) | 12.86 | |
| | | *For >10 To 50, Deduct* | *-0.11* | |
| | | *For >50 To 100, Deduct* | *-0.43* | |
| | | *For >100 To 250, Deduct* | *-0.86* | |
| | | *For >250 To 500, Deduct* | *-1.52* | |
| | | *For >500, Deduct* | *-2.30* | |
| 06 05 23 00-0293 | EA | 1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9) | 4.32 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.16* | |
| | | *For >100 To 250, Deduct* | *-0.33* | |
| | | *For >250 To 500, Deduct* | *-0.60* | |
| | | *For >500, Deduct* | *-0.94* | |
| 06 05 23 00-0294 | EA | 1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12) | 4.34 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.16* | |
| | | *For >100 To 250, Deduct* | *-0.33* | |
| | | *For >250 To 500, Deduct* | *-0.60* | |
| | | *For >500, Deduct* | *-0.94* | |
| 06 05 23 00-0295 | EA | 1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18) | 5.27 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.20* | |
| | | *For >100 To 250, Deduct* | *-0.40* | |
| | | *For >250 To 500, Deduct* | *-0.74* | |
| | | *For >500, Deduct* | *-1.16* | |
| 06 05 23 00-0296 | EA | 1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22) | 7.32 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.27* | |
| | | *For >100 To 250, Deduct* | *-0.53* | |
| | | *For >250 To 500, Deduct* | *-0.96* | |
| | | *For >500, Deduct* | *-1.49* | |
| 06 05 23 00-0297 | EA | 1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6) | 6.27 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.21* | |
| | | *For >100 To 250, Deduct* | *-0.42* | |
| | | *For >250 To 500, Deduct* | *-0.75* | |
| | | *For >500, Deduct* | *-1.13* | |
| 06 05 23 00-0298 | EA | 1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8) | 6.93 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.46* | |
| | | *For >250 To 500, Deduct* | *-0.79* | |
| | | *For >500, Deduct* | *-1.20* | |
| 06 05 23 00-0299 | EA | 1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12) | 9.10 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.30* | |
| | | *For >100 To 250, Deduct* | *-0.59* | |
| | | *For >250 To 500, Deduct* | *-1.03* | |
| | | *For >500, Deduct* | *-1.54* | |
| 06 05 23 00-0300 | EA | 2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27) | 13.57 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.42* | |
| | | *For >100 To 250, Deduct* | *-0.84* | |
| | | *For >250 To 500, Deduct* | *-1.43* | |
| | | *For >500, Deduct* | *-2.12* | |
| 06 05 23 00-0301 | EA | 2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37) | 16.92 | |
| | | *For >10 To 50, Deduct* | *-0.10* | |
| | | *For >50 To 100, Deduct* | *-0.52* | |
| | | *For >100 To 250, Deduct* | *-1.04* | |
| | | *For >250 To 500, Deduct* | *-1.75* | |
| | | *For >500, Deduct* | *-2.58* | |
| 06 05 23 00-0302 | EA | 2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48) | 25.08 | |
| | | *For >10 To 50, Deduct* | *-0.11* | |
| | | *For >50 To 100, Deduct* | *-0.74* | |
| | | *For >100 To 250, Deduct* | *-1.47* | |
| | | *For >250 To 500, Deduct* | *-2.43* | |
| | | *For >500, Deduct* | *-3.52* | |
| 06 05 23 00-0303 | EA | 2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60) | 43.78 | |
| | | *For >10 To 50, Deduct* | *-0.12* | |
| | | *For >50 To 100, Deduct* | *-1.22* | |
| | | *For >100 To 250, Deduct* | *-2.44* | |
| | | *For >250 To 500, Deduct* | *-3.90* | |
| | | *For >500, Deduct* | *-5.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0304 | EA | 2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72) | 56.47 | |
| | | *For >10 To 50, Deduct* | *-0.14* | |
| | | *For >50 To 100, Deduct* | *-1.55* | |
| | | *For >100 To 250, Deduct* | *-3.10* | |
| | | *For >250 To 500, Deduct* | *-4.93* | |
| | | *For >500, Deduct* | *-6.92* | |
| 06 05 23 00-0305 | EA | 3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28) | 16.21 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.49* | |
| | | *For >100 To 250, Deduct* | *-0.98* | |
| | | *For >250 To 500, Deduct* | *-1.63* | |
| | | *For >500, Deduct* | *-2.38* | |
| 06 05 23 00-0306 | EA | 3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40) | 20.94 | |
| | | *For >10 To 50, Deduct* | *-0.10* | |
| | | *For >50 To 100, Deduct* | *-0.62* | |
| | | *For >100 To 250, Deduct* | *-1.24* | |
| | | *For >250 To 500, Deduct* | *-2.05* | |
| | | *For >500, Deduct* | *-2.98* | |
| 06 05 23 00-0307 | EA | 3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52) | 24.45 | |
| | | *For >10 To 50, Deduct* | *-0.11* | |
| | | *For >50 To 100, Deduct* | *-0.72* | |
| | | *For >100 To 250, Deduct* | *-1.44* | |
| | | *For >250 To 500, Deduct* | *-2.39* | |
| | | *For >500, Deduct* | *-3.46* | |
| 06 05 23 00-0308 | EA | 3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66) | 37.29 | |
| | | *For >10 To 50, Deduct* | *-0.12* | |
| | | *For >50 To 100, Deduct* | *-1.06* | |
| | | *For >100 To 250, Deduct* | *-2.11* | |
| | | *For >250 To 500, Deduct* | *-3.42* | |
| | | *For >500, Deduct* | *-4.87* | |

## 06 05 23 00-0309 Twist Strap Ties *(06 05 23 00-0271)*

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0310 | EA | 1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12) | 3.86 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.15* | |
| | | *For >100 To 250, Deduct* | *-0.30* | |
| | | *For >250 To 500, Deduct* | *-0.56* | |
| | | *For >500, Deduct* | *-0.89* | |
| 06 05 23 00-0311 | EA | 1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16) | 4.87 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.18* | |
| | | *For >100 To 250, Deduct* | *-0.37* | |
| | | *For >250 To 500, Deduct* | *-0.68* | |
| | | *For >500, Deduct* | *-1.06* | |
| 06 05 23 00-0312 | EA | 1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18) | 5.61 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.21* | |
| | | *For >100 To 250, Deduct* | *-0.42* | |
| | | *For >250 To 500, Deduct* | *-0.77* | |
| | | *For >500, Deduct* | *-1.20* | |
| 06 05 23 00-0313 | EA | 1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20) | 6.07 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.46* | |
| | | *For >250 To 500, Deduct* | *-0.83* | |
| | | *For >500, Deduct* | *-1.30* | |
| 06 05 23 00-0314 | EA | 1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12) | 3.81 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.15* | |
| | | *For >100 To 250, Deduct* | *-0.30* | |
| | | *For >250 To 500, Deduct* | *-0.56* | |
| | | *For >500, Deduct* | *-0.89* | |
| 06 05 23 00-0315 | EA | 1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16) | 4.95 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.19* | |
| | | *For >100 To 250, Deduct* | *-0.37* | |
| | | *For >250 To 500, Deduct* | *-0.68* | |
| | | *For >500, Deduct* | *-1.07* | |
| 06 05 23 00-0316 | EA | 1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18) | 5.75 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.21* | |
| | | *For >100 To 250, Deduct* | *-0.43* | |
| | | *For >250 To 500, Deduct* | *-0.78* | |
| | | *For >500, Deduct* | *-1.21* | |
| 06 05 23 00-0317 | EA | 1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20) | 6.12 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.46* | |
| | | *For >250 To 500, Deduct* | *-0.84* | |
| | | *For >500, Deduct* | *-1.31* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0318 | EA | 1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24) | 8.41 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.29* | |
| | | *For >100 To 250, Deduct* | *-0.59* | |
| | | *For >250 To 500, Deduct* | *-1.04* | |
| | | *For >500, Deduct* | *-1.60* | |
| 06 05 23 00-0319 | EA | 1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16) | 6.44 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.22* | |
| | | *For >100 To 250, Deduct* | *-0.45* | |
| | | *For >250 To 500, Deduct* | *-0.79* | |
| | | *For >500, Deduct* | *-1.22* | |
| 06 05 23 00-0320 | EA | 1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20) | 7.69 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.27* | |
| | | *For >100 To 250, Deduct* | *-0.54* | |
| | | *For >250 To 500, Deduct* | *-0.96* | |
| | | *For >500, Deduct* | *-1.47* | |
| 06 05 23 00-0321 | EA | 1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24) | 8.95 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.31* | |
| | | *For >100 To 250, Deduct* | *-0.61* | |
| | | *For >250 To 500, Deduct* | *-1.09* | |
| | | *For >500, Deduct* | *-1.66* | |

## 06 05 23 00-0322 Retrofit Plate Strap *(06 05 23 00-0271)*

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0323 | EA | 1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18) | 6.43 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.46* | |
| | | *For >250 To 500, Deduct* | *-0.83* | |
| | | *For >500, Deduct* | *-1.28* | |
| 06 05 23 00-0324 | EA | 1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22) | 7.37 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.25* | |
| | | *For >100 To 250, Deduct* | *-0.51* | |
| | | *For >250 To 500, Deduct* | *-0.90* | |
| | | *For >500, Deduct* | *-1.37* | |
| 06 05 23 00-0325 | EA | 1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28) | 8.87 | |
| | | *For >10 To 50, Deduct* | *-0.07* | |
| | | *For >50 To 100, Deduct* | *-0.29* | |
| | | *For >100 To 250, Deduct* | *-0.58* | |
| | | *For >250 To 500, Deduct* | *-1.01* | |
| | | *For >500, Deduct* | *-1.52* | |

## 06 05 23 00-0326 Stud Shoe *(06 05 23 00-0271)*

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0327 | EA | 6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5) | 11.05 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.36* | |
| | | *For >100 To 250, Deduct* | *-0.72* | |
| | | *For >250 To 500, Deduct* | *-1.24* | |
| | | *For >500, Deduct* | *-1.87* | |
| 06 05 23 00-0328 | EA | 6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5) | 22.07 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.63* | |
| | | *For >100 To 250, Deduct* | *-1.27* | |
| | | *For >250 To 500, Deduct* | *-2.07* | |
| | | *For >500, Deduct* | *-2.97* | |
| 06 05 23 00-0329 | EA | 6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3) | 22.17 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.64* | |
| | | *For >100 To 250, Deduct* | *-1.27* | |
| | | *For >250 To 500, Deduct* | *-2.08* | |
| | | *For >500, Deduct* | *-2.98* | |
| 06 05 23 00-0330 | EA | 6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5) | 29.82 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.83* | |
| | | *For >100 To 250, Deduct* | *-1.66* | |
| | | *For >250 To 500, Deduct* | *-2.65* | |
| | | *For >500, Deduct* | *-3.74* | |
| 06 05 23 00-0331 | EA | 7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5) | 28.00 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.78* | |
| | | *For >100 To 250, Deduct* | *-1.57* | |
| | | *For >250 To 500, Deduct* | *-2.51* | |
| | | *For >500, Deduct* | *-3.56* | |
| 06 05 23 00-0332 | EA | 7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3) | 30.36 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.84* | |
| | | *For >100 To 250, Deduct* | *-1.68* | |
| | | *For >250 To 500, Deduct* | *-2.69* | |
| | | *For >500, Deduct* | *-3.80* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 05 23 00-0333 | EA | 7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3) | 32.16 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-0.89* | |
| | | *For >100 To 250, Deduct* | *-1.77* | |
| | | *For >250 To 500, Deduct* | *-2.83* | |
| | | *For >500, Deduct* | *-3.98* | |
| 06 05 23 00-0334 | EA | 7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3) | 48.77 | |
| | | *For >10 To 50, Deduct* | *-0.08* | |
| | | *For >50 To 100, Deduct* | *-1.30* | |
| | | *For >100 To 250, Deduct* | *-2.60* | |
| | | *For >250 To 500, Deduct* | *-4.07* | |
| | | *For >500, Deduct* | *-5.64* | |

### 06 05 23 00-0335 Nail Stops *(06 05 23 00-0271)*

| | | | | |
|---|---|---|---|---|
| 06 05 23 00-0336 | EA | 1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1) | 3.00 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.13* | |
| | | *For >100 To 250, Deduct* | *-0.26* | |
| | | *For >250 To 500, Deduct* | *-0.50* | |
| | | *For >500, Deduct* | *-0.81* | |
| 06 05 23 00-0337 | EA | 1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2) | 3.16 | |
| | | *For >10 To 50, Deduct* | *-0.06* | |
| | | *For >50 To 100, Deduct* | *-0.13* | |
| | | *For >100 To 250, Deduct* | *-0.27* | |
| | | *For >250 To 500, Deduct* | *-0.51* | |
| | | *For >500, Deduct* | *-0.82* | |

## 06 05 73 Wood Treatment *(06 05)*

### 06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

#### 06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

#### 06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

| | | | | |
|---|---|---|---|---|
| 06 05 73 13-0003 | MBF | Fire Retardant Treatment (FRT) For Lumber | 794.65 | |

### 06 05 73 33 Preservative Wood Treatment *(06 05 73)*

#### 06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

| | | | | |
|---|---|---|---|---|
| 06 05 73 33-0002 | MBF | Preservative Treatment For Marine And Fresh Water Lumber | 127.17 | |

# 06 10 Rough Carpentry *(06)*

## 06 11 Wood Framing *(06 10)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

### 06 11 13 Engineered Wood Products *(06 11)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

#### 06 11 13 00-0001 Built-Up Members *(06 11 13)*

Note: A structural framing member made from fastening separate pieces of lumber together.

#### 06 11 13 00-0002 Built-Up Beams Or Joists *(06 11 13 00-0001)*

| | | | | | |
|---|---|---|---|---|---|
| 06 11 13 00-0003 | LF | Two 2" x 6" Built-up Wood Beam Or Joist | 4.45 | | 1.89 |
| | | *For Each Additional 2" x_" In The Built Up Member, Add* | *0.78* | | |
| 06 11 13 00-0004 | LF | Two 2" x 8" Built-up Wood Beam Or Joist | 5.56 | | 2.23 |
| | | *For Each Additional 2" x_" In The Built Up Member, Add* | *1.11* | | |
| 06 11 13 00-0005 | LF | Two 2" x 10" Built-up Wood Beam Or Joist | 7.09 | | 2.67 |
| | | *For Each Additional 2" x_" In The Built Up Member, Add* | *1.54* | | |

#### 06 11 13 00-0006 Built-Up Posts *(06 11 13 00-0001)*

| | | | | | |
|---|---|---|---|---|---|
| 06 11 13 00-0007 | LF | Two 2" x 6" Built-up Wood Post | 4.45 | | 1.89 |
| | | *For Each Additional 2" x_" In The Built Up Member, Add* | *0.78* | | |
| 06 11 13 00-0008 | LF | Two 2" x 8" Built-up Wood Post | 5.56 | | 2.23 |
| | | *For Each Additional 2" x_" In The Built Up Member, Add* | *1.11* | | |
| 06 11 13 00-0009 | LF | Two 2" x 10" Built-up Wood Post | 7.09 | | 2.67 |
| | | *For Each Additional 2" x_" In The Built Up Member, Add* | *1.54* | | |

### 06 11 16 Mechanically Graded Lumber *(06 11)*

#### 06 11 16 00-0001 Rafters And Joists *(06 11 16)*

#### 06 11 16 00-0002 Rafters *(06 11 16 00-0001)*

Note: An inclined roof framing member to which a roof covering is attached.

| | | | | | |
|---|---|---|---|---|---|
| 06 11 16 00-0003 | LF | 2" x 6" Wood Rafter | 2.56 | | 1.33 |
| 06 11 16 00-0004 | LF | 2" x 8" Wood Rafter | 3.00 | | 1.44 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 11 16 00-0005 | LF | 2" x 10" Wood Rafter | 4.32 | 2.12 |
| 06 11 16 00-0006 | LF | 2" x 12" Wood Rafter | 4.98 | 2.34 |
| 06 11 16 00-0007 | LF | 2" x 14" Wood Rafter | 5.41 | 2.56 |
| 06 11 16 00-0008 | LF | 2" x 6" Pressure Treated Wood Rafter | 3.01 | 1.33 |
| 06 11 16 00-0009 | LF | 2" x 8" Pressure Treated Wood Rafter | 3.61 | 1.44 |
| 06 11 16 00-0010 | LF | 2" x 10" Pressure Treated Wood Rafter | 4.91 | 2.12 |
| 06 11 16 00-0011 | LF | 2" x 12" Pressure Treated Wood Rafter | 5.89 | 2.34 |
| 06 11 16 00-0012 | | **Joists** *(06 11 16 00-0001)* | | |
| | | Note: A series of parallel beams to support floors or ceilings. | | |
| 06 11 16 00-0013 | LF | 2" x 6" Wood Floor Joist | 2.22 | 1.11 |
| 06 11 16 00-0014 | LF | 2" x 8" Wood Floor Joist | 2.78 | 1.22 |
| 06 11 16 00-0015 | LF | 2" x 10" Wood Floor Joist | 3.54 | 1.56 |
| 06 11 16 00-0016 | LF | 2" x 12" Wood Floor Joist | 4.21 | 1.78 |
| 06 11 16 00-0017 | LF | 2" x 14" Wood Floor Joist | 4.63 | 1.89 |
| 06 11 16 00-0018 | LF | 2" x 6" Pressure Treated Wood Floor Joist | 2.67 | 1.11 |
| 06 11 16 00-0019 | LF | 2" x 8" Pressure Treated Wood Floor Joist | 3.39 | 1.22 |
| 06 11 16 00-0020 | LF | 2" x 10" Pressure Treated Wood Floor Joist | 4.13 | 1.56 |
| 06 11 16 00-0021 | LF | 2" x 12" Pressure Treated Wood Floor Joist | 5.12 | 1.78 |
| 06 11 16 00-0022 | | **Purlins** *(06 11 16 00-0001)* | | |
| | | Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing. | | |
| 06 11 16 00-0023 | LF | 2" x 4" Wood Purlin | 1.80 | 0.67 |
| 06 11 16 00-0024 | LF | 2" x 6" Wood Purlin | 2.24 | 0.73 |
| 06 11 16 00-0025 | LF | 2" x 8" Wood Purlin | 2.73 | 0.81 |
| 06 11 16 00-0026 | LF | 2" x 10" Wood Purlin | 3.32 | 0.89 |
| 06 11 16 00-0027 | LF | 2" x 4" Pressure Treated Wood Purlin | 2.07 | 0.67 |
| 06 11 16 00-0028 | LF | 2" x 6" Pressure Treated Wood Purlin | 2.69 | 0.73 |
| 06 11 16 00-0029 | LF | 2" x 8" Pressure Treated Wood Purlin | 3.34 | 0.81 |
| 06 11 16 00-0030 | LF | 2" x 10" Pressure Treated Wood Purlin | 3.91 | 0.89 |
| 06 11 16 00-0031 | | **Exposed Rafters Or Joists** *(06 11 16 00-0001)* | | |
| 06 11 16 00-0032 | | **Redwood Rafters Or Joists** *(06 11 16 00-0031)* | | |
| 06 11 16 00-0033 | LF | 2" x 6" Redwood Rafter Or Joist | 3.37 | 1.11 |
| 06 11 16 00-0034 | LF | 2" x 8" Redwood Rafter Or Joist | 4.11 | 1.22 |
| 06 11 16 00-0035 | LF | 2" x 10" Redwood Rafter Or Joist | 5.12 | 1.56 |
| 06 11 16 00-0036 | LF | 2" x 12" Redwood Rafter Or Joist | 6.21 | 1.78 |
| 06 11 16 00-0037 | | **Cedar Rafters Or Joists** *(06 11 16 00-0031)* | | |
| 06 11 16 00-0038 | LF | 2" x 6" Cedar Rafter Or Joist | 2.23 | 1.11 |
| 06 11 16 00-0039 | LF | 2" x 8" Cedar Rafter Or Joist | 2.51 | 1.22 |
| 06 11 16 00-0040 | LF | 2" x 10" Cedar Rafter Or Joist | 2.89 | 1.56 |
| 06 11 16 00-0041 | LF | 2" x 12" Cedar Rafter Or Joist | 3.28 | 1.78 |
| 06 11 16 00-0042 | | **Oak Rafters Or Joists** *(06 11 16 00-0031)* | | |
| 06 11 16 00-0043 | LF | 2" x 6" Oak Rafter Or Joist | 2.70 | 1.11 |
| 06 11 16 00-0044 | LF | 2" x 8" Oak Rafter Or Joist | 3.69 | 1.22 |
| 06 11 16 00-0045 | LF | 2" x 10" Oak Rafter Or Joist | 4.79 | 1.56 |
| 06 11 16 00-0046 | LF | 2" x 12" Oak Rafter Or Joist | 5.90 | 1.78 |
| 06 11 16 00-0047 | | **Framing** *(06 11 16)* | | |
| 06 11 16 00-0048 | | **Partition Framing** *(06 11 16 00-0047)* | | |
| 06 11 16 00-0049 | LF | 2" x 4" Wood Stud Framing, For Partition Walls | 1.75 | 0.89 |
| 06 11 16 00-0050 | LF | 2" x 6" Wood Stud Framing, For Partition Walls | 2.11 | 0.95 |
| 06 11 16 00-0051 | LF | 2" x 8" Wood Stud Framing, For Partition Walls | 2.50 | 1.00 |
| 06 11 16 00-0052 | LF | 2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls | 2.02 | 0.89 |
| 06 11 16 00-0053 | LF | 2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls | 2.56 | 0.95 |
| 06 11 16 00-0054 | LF | 2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls | 3.11 | 1.00 |
| 06 11 16 00-0055 | | **Wall Framing Assemblies By The SF** *(06 11 16 00-0047)* | | |
| | | Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage. | | |
| 06 11 16 00-0056 | | **Wall Framing By The SF, 12" On Center** *(06 11 16 00-0055)* | | |
| 06 11 16 00-0057 | SF | 2" x 4" At 12" On Center, Wood Wall Framing Assembly | 2.26 | 1.07 |
| | | *For Up To 200, Add* | *0.77* | |
| | | *For >200 To 500, Add* | *0.39* | |
| 06 11 16 00-0058 | SF | 2" x 6" At 12" On Center, Wood Wall Framing Assembly | 3.04 | 1.38 |
| | | *For Up To 200, Add* | *1.01* | |
| | | *For >200 To 500, Add* | *0.51* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 11 16 00-0059 | SF | 2" x 8" At 12" On Center, Wood Wall Framing Assembly | 4.06 | 1.84 |
| | | *For Up To 200, Add* | *1.36* | |
| | | *For >200 To 500, Add* | *0.68* | |
| **06 11 16 00-0060** | | **Wall Framing By The SF, 16" On Center** *(06 11 16 00-0055)* | | |
| 06 11 16 00-0061 | SF | 2" x 4" At 16" On Center, Wood Wall Framing Assembly | 1.84 | 0.86 |
| | | *For Up To 200, Add* | *0.62* | |
| | | *For >200 To 500, Add* | *0.31* | |
| 06 11 16 00-0062 | SF | 2" x 6" At 16" On Center, Wood Wall Framing Assembly | 2.52 | 1.15 |
| | | *For Up To 200, Add* | *0.84* | |
| | | *For >200 To 500, Add* | *0.42* | |
| 06 11 16 00-0063 | SF | 2" x 8" At 16" On Center, Wood Wall Framing Assembly | 3.37 | 1.54 |
| | | *For Up To 200, Add* | *1.13* | |
| | | *For >200 To 500, Add* | *0.56* | |
| **06 11 16 00-0064** | | **Wall Framing By The SF, 24" On Center** *(06 11 16 00-0055)* | | |
| 06 11 16 00-0065 | SF | 2" x 4" At 24" On Center, Wood Wall Framing Assembly | 1.45 | 0.68 |
| | | *For Up To 200, Add* | *0.49* | |
| | | *For >200 To 500, Add* | *0.25* | |
| 06 11 16 00-0066 | SF | 2" x 6" At 24" On Center, Wood Wall Framing Assembly | 1.98 | 0.89 |
| | | *For Up To 200, Add* | *0.66* | |
| | | *For >200 To 500, Add* | *0.33* | |
| 06 11 16 00-0067 | SF | 2" x 8" At 24" On Center, Wood Wall Framing Assembly | 2.65 | 1.19 |
| | | *For Up To 200, Add* | *0.88* | |
| | | *For >200 To 500, Add* | *0.44* | |
| **06 11 16 00-0068** | | **Sills And Plates** *(06 11 16)* | | |
| **06 11 16 00-0069** | | **Sills** *(06 11 16 00-0068)* | | |
| | | Note: A horizontal member which rests on and is attached to the foundation. | | |
| 06 11 16 00-0070 | LF | 2" x 4" Wood Sill | 2.97 | 1.67 |
| 06 11 16 00-0071 | LF | 2" x 6" Wood Sill | 3.56 | 1.89 |
| 06 11 16 00-0072 | LF | 2" x 8" Wood Sill | 4.25 | 2.12 |
| 06 11 16 00-0073 | LF | 2" x 4" Pressure Treated Wood Sill | 3.24 | 1.67 |
| 06 11 16 00-0074 | LF | 2" x 6" Pressure Treated Wood Sill | 4.01 | 1.89 |
| 06 11 16 00-0075 | LF | 2" x 8" Pressure Treated Wood Sill | 4.86 | 2.12 |
| **06 11 16 00-0076** | | **Plates** *(06 11 16 00-0068)* | | |
| | | Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall. | | |
| 06 11 16 00-0077 | LF | 2" x 4" Wood Plate | 2.97 | 1.67 |
| 06 11 16 00-0078 | LF | 2" x 6" Wood Plate | 3.56 | 1.89 |
| 06 11 16 00-0079 | LF | 2" x 8" Wood Plate | 4.22 | 2.12 |
| 06 11 16 00-0080 | LF | 2" x 4" Pressure Treated Wood Plate | 3.24 | 1.67 |
| 06 11 16 00-0081 | LF | 2" x 6" Pressure Treated Wood Plate | 4.01 | 1.89 |
| 06 11 16 00-0082 | LF | 2" x 8" Pressure Treated Wood Plate | 4.83 | 2.12 |
| **06 11 16 00-0083** | | **Sills And Plates From Redwood** *(06 11 16 00-0068)* | | |
| **06 11 16 00-0084** | | **Construction Grade/Rough** *(06 11 16 00-0083)* | | |
| 06 11 16 00-0085 | LF | 2" x 6" Redwood, Construction Grade/Rough | 6.13 | 1.89 |
| 06 11 16 00-0086 | LF | 2" x 8" Redwood, Construction Grade/Rough | 8.24 | 2.12 |
| 06 11 16 00-0087 | LF | 2" x 10" Redwood, Construction Grade/Rough | 10.04 | 2.34 |
| 06 11 16 00-0088 | LF | 2" x 12" Redwood, Construction Grade/Rough | 12.13 | 2.56 |
| **06 11 16 00-0089** | | **Con Heart/Smooth** *(06 11 16 00-0083)* | | |
| 06 11 16 00-0090 | LF | 2" x 6" Redwood, Con Heart/Smooth | 7.55 | 1.89 |
| 06 11 16 00-0091 | LF | 2" x 8" Redwood, Con Heart/Smooth | 10.38 | 2.12 |
| 06 11 16 00-0092 | LF | 2" x 10" Redwood, Con Heart/Smooth | 13.67 | 2.34 |
| 06 11 16 00-0093 | LF | 2" x 12" Redwood, Con Heart/Smooth | 16.43 | 2.56 |
| **06 11 16 00-0094** | | **Suspended Ceiling Framing** *(06 11 16)* | | |
| 06 11 16 00-0095 | LF | 1" x 2" Wood Suspended Ceiling Framing | 2.44 | 1.44 |
| 06 11 16 00-0096 | LF | 1" x 3" Wood Suspended Ceiling Framing | 2.66 | 1.56 |
| 06 11 16 00-0097 | LF | 1" x 4" Wood Suspended Ceiling Framing | 2.79 | 1.67 |
| 06 11 16 00-0098 | LF | 2" x 2" Wood Suspended Ceiling Framing | 2.88 | 1.67 |
| 06 11 16 00-0099 | LF | 2" x 4" Wood Suspended Ceiling Framing | 3.41 | 1.89 |
| 06 11 16 00-0100 | LF | 1" x 2" Pressure Treated Wood Suspended Ceiling Framing | 2.67 | 1.44 |
| 06 11 16 00-0101 | LF | 1" x 3" Pressure Treated Wood Suspended Ceiling Framing | 2.68 | 1.56 |
| 06 11 16 00-0102 | LF | 1" x 4" Pressure Treated Wood Suspended Ceiling Framing | 2.95 | 1.67 |
| 06 11 16 00-0103 | LF | 2" x 2" Pressure Treated Wood Suspended Ceiling Framing | 3.11 | 1.67 |
| 06 11 16 00-0104 | LF | 2" x 4" Pressure Treated Wood Suspended Ceiling Framing | 3.63 | 1.89 |
| **06 11 16 00-0105** | | **Posts And Girts** *(06 11 16)* | | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **06 11 16 00-0106** | | **Posts** *(06 11 16 00-0105)* | | |
| | | Note: A vertical, upright framing member. | | |
| 06 11 16 00-0107 | LF | 4" x 4" Wood Post | 4.32 | 2.12 |
| 06 11 16 00-0108 | LF | 4" x 5" Wood Post | 4.94 | 2.45 |
| 06 11 16 00-0109 | LF | 4" x 6" Wood Post | 5.45 | 2.67 |
| 06 11 16 00-0110 | LF | 6" x 6" Wood Post | 6.05 | 2.89 |
| 06 11 16 00-0111 | LF | 8" x 8" Wood Post | 6.66 | 3.00 |
| 06 11 16 00-0112 | LF | 10" x 10" Wood Post | 7.27 | 3.45 |
| 06 11 16 00-0113 | LF | 4" x 4" Pressure Treated Wood Post | 5.92 | 2.12 |
| 06 11 16 00-0114 | LF | 3" x 6" Pressure Treated Wood Post | 6.82 | 2.67 |
| 06 11 16 00-0115 | LF | 4" x 6" Pressure Treated Wood Post | 8.35 | 2.67 |
| 06 11 16 00-0116 | LF | 6" x 6" Pressure Treated Wood Post | 11.73 | 2.89 |
| **06 11 16 00-0117** | | **Girts** *(06 11 16 00-0105)* | | |
| | | Note: A horizontal member at intermediate level between columns, studs, or posts. | | |
| 06 11 16 00-0118 | LF | 2" x 4" Wood Girt | 2.08 | 0.80 |
| 06 11 16 00-0119 | LF | 2" x 6" Wood Girt | 2.54 | 0.87 |
| 06 11 16 00-0120 | LF | 2" x 8" Wood Girt | 3.04 | 0.97 |
| 06 11 16 00-0121 | LF | 2" x 10" Wood Girt | 3.68 | 1.07 |
| 06 11 16 00-0122 | LF | 4" x 4" Wood Girt | 4.19 | 1.61 |
| 06 11 16 00-0123 | LF | 4" x 5" Wood Girt | 4.80 | 1.80 |
| 06 11 16 00-0124 | LF | 4" x 6" Wood Girt | 5.42 | 2.00 |
| 06 11 16 00-0125 | LF | 6" x 6" Wood Girt | 6.03 | 2.21 |
| 06 11 16 00-0126 | LF | 8" x 8" Wood Girt | 6.65 | 2.40 |
| 06 11 16 00-0127 | LF | 10" x 10" Wood Girt | 7.25 | 2.61 |
| 06 11 16 00-0128 | LF | 2" x 4" Pressure Treated Wood Girt | 2.35 | 0.80 |
| 06 11 16 00-0129 | LF | 2" x 6" Pressure Treated Wood Girt | 2.99 | 0.87 |
| 06 11 16 00-0130 | LF | 2" x 8" Pressure Treated Wood Girt | 3.65 | 0.97 |
| 06 11 16 00-0131 | LF | 2" x 10" Pressure Treated Wood Girt | 4.27 | 1.07 |
| 06 11 16 00-0132 | LF | 4" x 4" Pressure Treated Wood Girt | 5.92 | 1.61 |
| 06 11 16 00-0133 | LF | 3" x 6" Pressure Treated Wood Girt | 6.82 | 2.00 |
| 06 11 16 00-0134 | LF | 4" x 6" Pressure Treated Wood Girt | 8.35 | 2.00 |
| 06 11 16 00-0135 | LF | 6" x 6" Pressure Treated Wood Girt | 11.73 | 2.21 |
| **06 11 16 00-0136** | | **Construction Grade/Rough Redwood Posts** *(06 11 16 00-0105)* | | |
| 06 11 16 00-0137 | LF | 4" x 4" Redwood, Construction Grade/Rough Post | 9.66 | 2.12 |
| | | *For Smooth "Clear", Add* | *1.29* | |
| 06 11 16 00-0138 | LF | 4" x 5" Redwood, Construction Grade/Rough Post | 11.67 | 2.45 |
| | | *For Smooth "Clear", Add* | *1.61* | |
| 06 11 16 00-0139 | LF | 4" x 6" Redwood, Construction Grade/Rough Post | 13.72 | 2.67 |
| | | *For Smooth "Clear", Add* | *1.94* | |
| 06 11 16 00-0140 | LF | 4" x 8" Redwood, Construction Grade/Rough Post | 17.13 | 2.75 |
| | | *For Smooth "Clear", Add* | *2.59* | |
| 06 11 16 00-0141 | LF | 4" x 10" Redwood, Construction Grade/Rough Post | 20.62 | 2.93 |
| | | *For Smooth "Clear", Add* | *3.24* | |
| 06 11 16 00-0142 | LF | 6" x 6" Redwood, Construction Grade/Rough Post | 18.98 | 2.89 |
| | | *For Smooth "Clear", Add* | *2.91* | |
| 06 11 16 00-0143 | LF | 6" x 8" Redwood, Construction Grade/Rough Post | 24.01 | 3.00 |
| | | *For Smooth "Clear", Add* | *3.89* | |
| 06 11 16 00-0144 | LF | 6" x 10" Redwood, Construction Grade/Rough Post | 28.99 | 2.82 |
| | | *For Smooth "Clear", Add* | *4.86* | |
| 06 11 16 00-0145 | LF | 8" x 8" Redwood, Construction Grade/Rough Post | 30.72 | 3.00 |
| | | *For Smooth "Clear", Add* | *5.18* | |
| **06 11 16 00-0146** | | **Stair Stringers** *(06 11 16)* | | |
| | | See CSI section 06 43 13 00-0001 for treads and risers. | | |
| 06 11 16 00-0147 | LF | 2" x 10" Wood Stair Stringer | 8.18 | 4.45 |
| 06 11 16 00-0148 | LF | 2" x 12" Wood Stair Stringer | 9.68 | 5.23 |
| 06 11 16 00-0149 | LF | 2" x 10" Pressure Treated Wood Stair Stringer | 8.80 | 4.45 |
| 06 11 16 00-0150 | LF | 2" x 12" Pressure Treated Wood Stair Stringer | 10.57 | 5.23 |
| **06 11 16 00-0151** | | **Blocking And Sleepers** *(06 11 16)* | | |
| **06 11 16 00-0152** | | **Blocking** *(06 11 16 00-0151)* | | |
| **06 11 16 00-0153** | | **Blocking To Wood** *(06 11 16 00-0152)* | | |
| 06 11 16 00-0154 | LF | 2" x 4" Pressure Treated Wood Blocking To Wood | 6.41 | 2.67 |
| 06 11 16 00-0155 | LF | 2" x 6" Pressure Treated Wood Blocking To Wood | 7.65 | 2.94 |
| 06 11 16 00-0156 | LF | 2" x 8" Pressure Treated Wood Blocking To Wood | 8.75 | 3.23 |
| 06 11 16 00-0157 | LF | 4" x 4" Pressure Treated Wood Blocking To Wood | 10.17 | 3.56 |
| 06 11 16 00-0158 | LF | 4" x 6" Pressure Treated Wood Blocking To Wood | 12.39 | 3.91 |
| 06 11 16 00-0159 | LF | 2" x 4" Wood Blocking To Wood | 5.82 | 2.67 |
| 06 11 16 00-0160 | LF | 2" x 6" Wood Blocking To Wood | 6.66 | 2.94 |
| 06 11 16 00-0161 | LF | 2" x 8" Wood Blocking To Wood | 7.58 | 3.23 |
| 06 11 16 00-0162 | LF | 4" x 4" Wood Blocking To Wood | 8.24 | 3.56 |
| 06 11 16 00-0163 | LF | 4" x 6" Wood Blocking To Wood | 9.28 | 3.91 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **06 11 16 00-0164** | | **Blocking To Steel** *(06 11 16 00-0152)* | | |
| 06 11 16 00-0165 | LF | 2" x 4" Pressure Treated Wood Blocking To Steel | 7.32 | 3.08 |
| 06 11 16 00-0166 | LF | 2" x 6" Pressure Treated Wood Blocking To Steel | 8.71 | 3.38 |
| 06 11 16 00-0167 | LF | 2" x 8" Pressure Treated Wood Blocking To Steel | 9.95 | 3.72 |
| 06 11 16 00-0168 | LF | 2" x 4" Wood Blocking To Steel | 6.66 | 3.08 |
| 06 11 16 00-0169 | LF | 2" x 6" Wood Blocking To Steel | 7.62 | 3.38 |
| 06 11 16 00-0170 | LF | 2" x 8" Wood Blocking To Steel | 8.66 | 3.72 |
| **06 11 16 00-0171** | | **Blocking To Concrete** *(06 11 16 00-0152)* | | |
| 06 11 16 00-0172 | LF | 2" x 4" Pressure Treated Wood Blocking To Concrete | 7.32 | 3.08 |
| 06 11 16 00-0173 | LF | 2" x 6" Pressure Treated Wood Blocking To Concrete | 8.71 | 3.38 |
| 06 11 16 00-0174 | LF | 2" x 8" Pressure Treated Wood Blocking To Concrete | 9.95 | 3.72 |
| 06 11 16 00-0175 | LF | 2" x 4" Wood Blocking To Concrete | 6.66 | 3.08 |
| 06 11 16 00-0176 | LF | 2" x 6" Wood Blocking To Concrete | 7.62 | 3.38 |
| 06 11 16 00-0177 | LF | 2" x 8" Wood Blocking To Concrete | 8.66 | 3.72 |
| **06 11 16 00-0178** | | **Pressure Treated Lattice** *(06 11 16 00-0151)* | | |
| 06 11 16 00-0179 | SF | 3/4" Thick Pressure Treated Wood Lattice | 6.59 | 2.34 |
| **06 11 16 00-0180** | | **Sleepers** *(06 11 16 00-0151)* | | |
| **06 11 16 00-0181** | | **Sleepers To Wood** *(06 11 16 00-0180)* | | |
| 06 11 16 00-0182 | LF | 1" x 2" Pressure Treated Wood Sleeper On Wood | 1.22 | 0.39 |
| 06 11 16 00-0183 | LF | 1" x 3" Pressure Treated Wood Sleeper On Wood | 1.23 | 0.45 |
| 06 11 16 00-0184 | LF | 1" x 4" Pressure Treated Wood Sleeper On Wood | 1.45 | 0.50 |
| 06 11 16 00-0185 | LF | 2" x 4" Pressure Treated Wood Sleeper On Wood | 2.29 | 0.61 |
| 06 11 16 00-0186 | LF | 2" x 6" Pressure Treated Wood Sleeper On Wood | 3.11 | 0.67 |
| **06 11 16 00-0187** | | **Sleepers To Concrete** *(06 11 16 00-0180)* | | |
| 06 11 16 00-0188 | LF | 1" x 2" Pressure Treated Wood Sleeper On Concrete | 1.26 | 0.39 |
| 06 11 16 00-0189 | LF | 1" x 3" Pressure Treated Wood Sleeper On Concrete | 1.26 | 0.45 |
| 06 11 16 00-0190 | LF | 1" x 4" Pressure Treated Wood Sleeper On Concrete | 1.49 | 0.50 |
| 06 11 16 00-0191 | LF | 2" x 4" Pressure Treated Wood Sleeper On Concrete | 2.40 | 0.61 |
| 06 11 16 00-0192 | LF | 2" x 6" Pressure Treated Wood Sleeper On Concrete | 3.29 | 0.67 |
| **06 11 16 00-0193** | | **Roofing Nailers** *(06 11 16)* | | |
| 06 11 16 00-0194 | LF | 2" x 4" Pressure Treated Lumber, For Roofing Nailers | 3.30 | 0.89 |
| 06 11 16 00-0195 | LF | 2" x 6" Pressure Treated Lumber, For Roofing Nailers | 3.90 | 0.95 |
| 06 11 16 00-0196 | LF | 2" x 8" Pressure Treated Lumber, For Roofing Nailers | 4.50 | 1.00 |
| **06 11 16 00-0197** | | **Roofing Sleepers** *(06 11 16)* | | |
| 06 11 16 00-0198 | LF | 2" x 4" Pressure Treated Lumber, For Roofing Sleepers | 1.57 | |
| 06 11 16 00-0199 | LF | 4" x 4" Pressure Treated Lumber, For Roofing Sleepers | 4.35 | |
| 06 11 16 00-0200 | LF | 4" x 6" Pressure Treated Lumber, For Roofing Sleepers | 6.34 | |
| 06 11 16 00-0201 | LF | 6" x 6" Pressure Treated Lumber, For Roofing Sleepers | 9.55 | |
| **06 11 16 00-0202** | | **Canopy Framing, Bridging, And Furring** *(06 11 16)* | | |
| **06 11 16 00-0203** | | **Wood And Steel Bridging** *(06 11 16 00-0202)* | | |
| **06 11 16 00-0204** | | **Wood Bridging** *(06 11 16 00-0203)* | | |
| 06 11 16 00-0205 | EA | 1 Pair Wood Bridging, 1" x 3" Cross Type<br>Note: For joists spaced at 16" on center. | 8.98 | 3.90 |
| 06 11 16 00-0206 | EA | 1 Pair Wood Bridging, 2" x 3" Cross Type<br>Note: For joists spaced at 16" on center. | 9.23 | 3.90 |
| **06 11 16 00-0207** | | **Steel Bridging** *(06 11 16 00-0203)* | | |
| 06 11 16 00-0208 | EA | 1 Pair Steel Bridging, Wood Joists At 16" On Center | 11.43 | 3.90 |
| 06 11 16 00-0209 | EA | 1 Pair Steel Bridging, Wood Joists At 24" On Center | 11.39 | 3.90 |
| **06 11 16 00-0210** | | **Light Framing, Trim And Furring** *(06 11 16 00-0202)* | | |
| **06 11 16 00-0211** | | **Pine/Spruce/Fir Light Framing, Trim And Furring** *(06 11 16 00-0210)*<br>Note: S4S board, select grade 1 | | |
| 06 11 16 00-0212 | LF | 1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring | 1.97 | 0.92 |
| 06 11 16 00-0213 | LF | 1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring | 2.21 | 1.00 |
| 06 11 16 00-0214 | LF | 1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring | 2.55 | 1.10 |
| 06 11 16 00-0215 | LF | 1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring | 2.83 | 1.21 |
| 06 11 16 00-0216 | LF | 1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring | 3.15 | 1.33 |
| 06 11 16 00-0217 | LF | 1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring | 3.48 | 1.46 |
| 06 11 16 00-0218 | LF | 2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring | 2.85 | 1.21 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 11 16 00-0219 | LF | 2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring | 3.19 | 1.33 |
| 06 11 16 00-0220 | LF | 2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring | 3.72 | 1.46 |
| 06 11 16 00-0221 | LF | 2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring | 4.33 | 1.62 |
| 06 11 16 00-0222 | LF | 2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring | 5.09 | 1.78 |
| 06 11 16 00-0223 | | Cedar Light Framing, Trim And Furring *(06 11 16 00-0210)* | | |
| | | Note: S4S board, select grade 1 | | |
| 06 11 16 00-0224 | LF | 1" x 1" Cedar Light Framing, Trim And Furring | 1.99 | 0.92 |
| 06 11 16 00-0225 | LF | 1" x 2" Cedar Light Framing, Trim And Furring | 2.34 | 1.00 |
| 06 11 16 00-0226 | LF | 1" x 4" Cedar Light Framing, Trim And Furring | 3.05 | 1.10 |
| 06 11 16 00-0227 | LF | 1" x 6" Cedar Light Framing, Trim And Furring | 3.68 | 1.21 |
| 06 11 16 00-0228 | LF | 1" x 8" Cedar Light Framing, Trim And Furring | 5.39 | 1.33 |
| 06 11 16 00-0229 | LF | 1" x 10" Cedar Light Framing, Trim And Furring | 6.34 | 1.46 |
| 06 11 16 00-0230 | LF | 2" x 2" Cedar Light Framing, Trim And Furring | 3.17 | 1.21 |
| 06 11 16 00-0231 | LF | 2" x 4" Cedar Light Framing, Trim And Furring | 3.67 | 1.33 |
| 06 11 16 00-0232 | | Oak Light Framing, Trim And Furring *(06 11 16 00-0210)* | | |
| | | Note: S4S board, select grade 1 | | |
| 06 11 16 00-0233 | LF | 1" x 1" Oak Light Framing, Trim And Furring | 2.00 | 0.92 |
| 06 11 16 00-0234 | LF | 1" x 2" Oak Light Framing, Trim And Furring | 2.36 | 1.00 |
| 06 11 16 00-0235 | LF | 1" x 4" Oak Light Framing, Trim And Furring | 2.93 | 1.10 |
| 06 11 16 00-0236 | LF | 1" x 6" Oak Light Framing, Trim And Furring | 3.50 | 1.21 |
| 06 11 16 00-0237 | LF | 1" x 8" Oak Light Framing, Trim And Furring | 4.10 | 1.33 |
| 06 11 16 00-0238 | LF | 1" x 10" Oak Light Framing, Trim And Furring | 4.73 | 1.46 |
| 06 11 16 00-0239 | LF | 2" x 2" Oak Light Framing, Trim And Furring | 3.14 | 1.21 |
| 06 11 16 00-0240 | LF | 2" x 4" Oak Light Framing, Trim And Furring | 4.11 | 1.33 |
| 06 11 16 00-0241 | | Redwood Light Framing, Trim And Furring *(06 11 16 00-0210)* | | |
| | | Note: S4S board, select grade 1 | | |
| 06 11 16 00-0242 | LF | 1" x 1" Redwood Light Framing, Trim And Furring | 1.95 | 0.92 |
| 06 11 16 00-0243 | LF | 1" x 2" Redwood Light Framing, Trim And Furring | 2.26 | 1.00 |
| 06 11 16 00-0244 | LF | 1" x 4" Redwood Light Framing, Trim And Furring | 2.75 | 1.10 |
| 06 11 16 00-0245 | LF | 1" x 6" Redwood Light Framing, Trim And Furring | 3.28 | 1.21 |
| 06 11 16 00-0246 | LF | 1" x 8" Redwood Light Framing, Trim And Furring | 3.88 | 1.33 |
| 06 11 16 00-0247 | LF | 1" x 10" Redwood Light Framing, Trim And Furring | 4.53 | 1.46 |
| 06 11 16 00-0248 | LF | 2" x 2" Redwood Light Framing, Trim And Furring | 3.30 | 1.21 |
| 06 11 16 00-0249 | LF | 2" x 4" Redwood Light Framing, Trim And Furring | 3.90 | 1.33 |
| 06 11 16 00-0250 | | Poplar Light Framing, Trim And Furring *(06 11 16 00-0210)* | | |
| | | Note: S4S board, select grade 1 | | |
| 06 11 16 00-0251 | LF | 1" x 1" Poplar Light Framing, Trim And Furring | 2.25 | 0.92 |
| 06 11 16 00-0252 | LF | 1" x 2" Poplar Light Framing, Trim And Furring | 2.74 | 1.00 |
| 06 11 16 00-0253 | LF | 1" x 4" Poplar Light Framing, Trim And Furring | 3.43 | 1.10 |
| 06 11 16 00-0254 | LF | 1" x 6" Poplar Light Framing, Trim And Furring | 4.32 | 1.21 |
| 06 11 16 00-0255 | LF | 1" x 8" Poplar Light Framing, Trim And Furring | 5.01 | 1.33 |
| 06 11 16 00-0256 | LF | 1" x 10" Poplar Light Framing, Trim And Furring | 6.56 | 1.46 |
| 06 11 16 00-0257 | LF | 1" x 12" Poplar Light Framing, Trim And Furring | 7.08 | 1.46 |
| 06 11 16 00-0258 | LF | 2" x 2" Poplar Light Framing, Trim And Furring | 5.61 | 1.21 |
| 06 11 16 00-0259 | LF | 2" x 4" Poplar Light Framing, Trim And Furring | 6.29 | 1.33 |
| 06 11 16 00-0260 | LF | 2" x 6" Poplar Light Framing, Trim And Furring | 8.36 | 1.46 |
| 06 11 16 00-0261 | | Maple Light Framing, Trim And Furring *(06 11 16 00-0210)* | | |
| | | Note: S4S board, select grade 1 | | |
| 06 11 16 00-0262 | LF | 1" x 4" Maple Light Framing, Trim And Furring | 4.23 | 1.10 |
| 06 11 16 00-0263 | LF | 1" x 6" Maple Light Framing, Trim And Furring | 5.57 | 1.21 |
| 06 11 16 00-0264 | LF | 1" x 8" Maple Light Framing, Trim And Furring | 6.95 | 1.33 |

## 06 13 Heavy Timber Construction *(06 10)*

### 06 13 23 Heavy Timber Framing *(06 13)*

06 13 23 00-0001 Heavy Timber Framing *(06 13 23)*

Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.

06 13 23 00-0002 Heavy Timber Beams *(06 13 23 00-0001)*

06 13 23 00-0003 Pine, Heavy Timber Beams *(06 13 23 00-0002)*

| | | | | |
|---|---|---|---|---|
| 06 13 23 00-0004 | LF | 4" x 4", Pine, Heavy Timber Beam | 6.19 | 1.97 |
| 06 13 23 00-0005 | LF | 4" x 6", Pine, Heavy Timber Beam | 7.47 | 2.05 |
| 06 13 23 00-0006 | LF | 4" x 8", Pine, Heavy Timber Beam | 8.75 | 2.15 |
| 06 13 23 00-0007 | LF | 4" x 10", Pine, Heavy Timber Beam | 11.35 | 2.28 |
| 06 13 23 00-0008 | LF | 4" x 12", Pine, Heavy Timber Beam | 13.47 | 2.42 |
| 06 13 23 00-0009 | LF | 6" x 6", Pine, Heavy Timber Beam | 9.44 | 2.23 |
| 06 13 23 00-0010 | LF | 6" x 8", Pine, Heavy Timber Beam | 11.32 | 2.34 |
| 06 13 23 00-0011 | LF | 6" x 10", Pine, Heavy Timber Beam | 15.18 | 2.50 |
| 06 13 23 00-0012 | LF | 6" x 12", Pine, Heavy Timber Beam | 18.06 | 2.56 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 13 23 00-0013 | LF | 8" x 8", Pine, Heavy Timber Beam | 13.78 | 2.42 |
| 06 13 23 00-0014 | LF | 8" x 10", Pine, Heavy Timber Beam | 18.58 | 2.50 |
| 06 13 23 00-0015 | LF | 8" x 12", Pine, Heavy Timber Beam | 22.46 | 2.56 |
| 06 13 23 00-0016 | LF | 10" x 10", Pine, Heavy Timber Beam | 22.19 | 2.56 |
| 06 13 23 00-0017 | LF | 10" x 12", Pine, Heavy Timber Beam | 27.13 | 2.78 |
| 06 13 23 00-0018 | LF | 12" x 12", Pine, Heavy Timber Beam | 31.99 | 3.06 |
| 06 13 23 00-0019 | BF | >12" To 16" Pine, Heavy Timber Beam | 2.67 | 0.25 |
| | | Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches. | | |

## 06 13 23 00-0020 Douglas Fir, Heavy Timber Beams *(06 13 23 00-0002)*

| | | | | |
|---|---|---|---|---|
| 06 13 23 00-0021 | LF | 4" x 4", Douglas Fir, Heavy Timber Beam | 6.41 | 1.97 |
| 06 13 23 00-0022 | LF | 4" x 6", Douglas Fir, Heavy Timber Beam | 7.81 | 2.05 |
| 06 13 23 00-0023 | LF | 4" x 8", Douglas Fir, Heavy Timber Beam | 9.21 | 2.15 |
| 06 13 23 00-0024 | LF | 4" x 10", Douglas Fir, Heavy Timber Beam | 12.03 | 2.28 |
| 06 13 23 00-0025 | LF | 4" x 12", Douglas Fir, Heavy Timber Beam | 14.32 | 2.42 |
| 06 13 23 00-0026 | LF | 6" x 6", Douglas Fir, Heavy Timber Beam | 9.94 | 2.23 |
| 06 13 23 00-0027 | LF | 6" x 8", Douglas Fir, Heavy Timber Beam | 11.98 | 2.34 |
| 06 13 23 00-0028 | LF | 6" x 10", Douglas Fir, Heavy Timber Beam | 16.19 | 2.50 |
| 06 13 23 00-0029 | LF | 6" x 12", Douglas Fir, Heavy Timber Beam | 19.36 | 2.56 |
| 06 13 23 00-0030 | LF | 8" x 8", Douglas Fir, Heavy Timber Beam | 14.67 | 2.42 |
| 06 13 23 00-0031 | LF | 8" x 10", Douglas Fir, Heavy Timber Beam | 19.93 | 2.50 |
| 06 13 23 00-0032 | LF | 8" x 12", Douglas Fir, Heavy Timber Beam | 24.19 | 2.56 |
| 06 13 23 00-0033 | LF | 10" x 10", Douglas Fir, Heavy Timber Beam | 23.88 | 2.56 |
| 06 13 23 00-0034 | LF | 10" x 12", Douglas Fir, Heavy Timber Beam | 29.26 | 2.78 |
| 06 13 23 00-0035 | LF | 12" x 12", Douglas Fir, Heavy Timber Beam | 34.57 | 3.06 |
| 06 13 23 00-0036 | BF | >12" To 16" Douglas Fir, Heavy Timber Beam | 2.88 | 0.25 |
| | | Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches. | | |

## 06 13 23 00-0037 Pressure Treated, Heavy Timber Beams *(06 13 23 00-0002)*

| | | | | |
|---|---|---|---|---|
| 06 13 23 00-0038 | LF | 4" x 4", Pressure Treated, Heavy Timber Beam | 6.68 | 1.97 |
| 06 13 23 00-0039 | LF | 4" x 6", Pressure Treated, Heavy Timber Beam | 8.46 | 2.05 |
| 06 13 23 00-0040 | LF | 4" x 8", Pressure Treated, Heavy Timber Beam | 10.01 | 2.15 |
| 06 13 23 00-0041 | LF | 4" x 10", Pressure Treated, Heavy Timber Beam | 13.24 | 2.28 |
| 06 13 23 00-0042 | LF | 4" x 12", Pressure Treated, Heavy Timber Beam | 15.87 | 2.42 |
| 06 13 23 00-0043 | LF | 6" x 6", Pressure Treated, Heavy Timber Beam | 11.73 | 2.23 |
| 06 13 23 00-0044 | LF | 6" x 8", Pressure Treated, Heavy Timber Beam | 14.41 | 2.34 |
| 06 13 23 00-0045 | LF | 6" x 10", Pressure Treated, Heavy Timber Beam | 17.28 | 2.50 |
| 06 13 23 00-0046 | LF | 6" x 12", Pressure Treated, Heavy Timber Beam | 21.24 | 2.56 |
| 06 13 23 00-0047 | LF | 8" x 8", Pressure Treated, Heavy Timber Beam | 21.46 | 2.42 |
| 06 13 23 00-0048 | LF | 8" x 10", Pressure Treated, Heavy Timber Beam | 24.95 | 2.50 |
| 06 13 23 00-0049 | LF | 8" x 12", Pressure Treated, Heavy Timber Beam | 29.41 | 2.56 |
| 06 13 23 00-0050 | LF | 10" x 10", Pressure Treated, Heavy Timber Beam | 29.53 | 2.56 |
| 06 13 23 00-0051 | LF | 10" x 12", Pressure Treated, Heavy Timber Beam | 39.12 | 2.78 |
| 06 13 23 00-0052 | LF | 12" x 12", Pressure Treated, Heavy Timber Beam | 46.41 | 3.06 |
| 06 13 23 00-0053 | BF | >12" To 16" Pressure Treated, Heavy Timber Beam | 3.87 | 0.25 |
| | | Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches. | | |

## 06 13 23 00-0054 Heavy Timber Columns *(06 13 23 00-0001)*

## 06 13 23 00-0055 Pine, Heavy Timber Columns *(06 13 23 00-0054)*

| | | | | |
|---|---|---|---|---|
| 06 13 23 00-0056 | LF | 4" x 4", Pine, Heavy Timber Column | 4.31 | 1.04 |
| 06 13 23 00-0057 | LF | 4" x 6", Pine, Heavy Timber Column | 5.55 | 1.10 |
| 06 13 23 00-0058 | LF | 4" x 8", Pine, Heavy Timber Column | 6.73 | 1.13 |
| 06 13 23 00-0059 | LF | 4" x 10", Pine, Heavy Timber Column | 9.19 | 1.20 |
| 06 13 23 00-0060 | LF | 4" x 12", Pine, Heavy Timber Column | 11.17 | 1.27 |
| 06 13 23 00-0061 | LF | 6" x 6", Pine, Heavy Timber Column | 7.35 | 1.16 |
| 06 13 23 00-0062 | LF | 6" x 8", Pine, Heavy Timber Column | 9.13 | 1.21 |
| 06 13 23 00-0063 | LF | 6" x 10", Pine, Heavy Timber Column | 12.81 | 1.32 |
| 06 13 23 00-0064 | LF | 6" x 12", Pine, Heavy Timber Column | 15.63 | 1.34 |
| 06 13 23 00-0065 | LF | 8" x 8", Pine, Heavy Timber Column | 11.48 | 1.27 |
| 06 13 23 00-0066 | LF | 8" x 10", Pine, Heavy Timber Column | 16.21 | 1.32 |
| 06 13 23 00-0067 | LF | 8" x 12", Pine, Heavy Timber Column | 19.99 | 1.37 |
| 06 13 23 00-0068 | LF | 10" x 10", Pine, Heavy Timber Column | 19.72 | 1.37 |
| 06 13 23 00-0069 | LF | 10" x 12", Pine, Heavy Timber Column | 24.50 | 1.46 |
| 06 13 23 00-0070 | LF | 12" x 12", Pine, Heavy Timber Column | 29.09 | 1.61 |
| 06 13 23 00-0071 | BF | >12" To 16" Pine, Heavy Timber Column | 2.42 | 0.13 |
| | | Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches. | | |

## 06 13 23 00-0072 Douglas Fir, Heavy Timber Columns *(06 13 23 00-0054)*

| | | | | |
|---|---|---|---|---|
| 06 13 23 00-0073 | LF | 4" x 4", Douglas Fir, Heavy Timber Column | 4.53 | 1.04 |
| 06 13 23 00-0074 | LF | 4" x 6", Douglas Fir, Heavy Timber Column | 5.89 | 1.10 |
| 06 13 23 00-0075 | LF | 4" x 8", Douglas Fir, Heavy Timber Column | 7.19 | 1.13 |
| 06 13 23 00-0076 | LF | 4" x 10", Douglas Fir, Heavy Timber Column | 9.87 | 1.20 |
| 06 13 23 00-0077 | LF | 4" x 12", Douglas Fir, Heavy Timber Column | 12.02 | 1.27 |
| 06 13 23 00-0078 | LF | 6" x 6", Douglas Fir, Heavy Timber Column | 7.85 | 1.16 |
| 06 13 23 00-0079 | LF | 6" x 8", Douglas Fir, Heavy Timber Column | 9.79 | 1.21 |
| 06 13 23 00-0080 | LF | 6" x 10", Douglas Fir, Heavy Timber Column | 13.82 | 1.32 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 13 23 00-0081 | LF | 6" x 12", Douglas Fir, Heavy Timber Column | 16.93 | 1.34 |
| 06 13 23 00-0082 | LF | 8" x 8", Douglas Fir, Heavy Timber Column | 12.37 | 1.27 |
| 06 13 23 00-0083 | LF | 8" x 10", Douglas Fir, Heavy Timber Column | 17.56 | 1.32 |
| 06 13 23 00-0084 | LF | 8" x 12", Douglas Fir, Heavy Timber Column | 21.72 | 1.37 |
| 06 13 23 00-0085 | LF | 10" x 10", Douglas Fir, Heavy Timber Column | 21.41 | 1.37 |
| 06 13 23 00-0086 | LF | 10" x 12", Douglas Fir, Heavy Timber Column | 26.63 | 1.46 |
| 06 13 23 00-0087 | LF | 12" x 12", Douglas Fir, Heavy Timber Column | 31.67 | 1.61 |
| 06 13 23 00-0088 | BF | >12" To 16" Douglas Fir, Heavy Timber Column<br>Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches. | 2.63 | 0.13 |
| 06 13 23 00-0089 | | Pressure Treated, Heavy Timber Columns *(06 13 23 00-0054)* | | |
| 06 13 23 00-0090 | LF | 4" x 4", Pressure Treated, Heavy Timber Column | 4.80 | 1.04 |
| 06 13 23 00-0091 | LF | 4" x 6", Pressure Treated, Heavy Timber Column | 6.54 | 1.10 |
| 06 13 23 00-0092 | LF | 4" x 8", Pressure Treated, Heavy Timber Column | 7.99 | 1.13 |
| 06 13 23 00-0093 | LF | 4" x 10", Pressure Treated, Heavy Timber Column | 11.08 | 1.20 |
| 06 13 23 00-0094 | LF | 4" x 12", Pressure Treated, Heavy Timber Column | 13.57 | 1.27 |
| 06 13 23 00-0095 | LF | 6" x 6", Pressure Treated, Heavy Timber Column | 9.64 | 1.16 |
| 06 13 23 00-0096 | LF | 6" x 8", Pressure Treated, Heavy Timber Column | 12.22 | 1.21 |
| 06 13 23 00-0097 | LF | 6" x 10", Pressure Treated, Heavy Timber Column | 14.91 | 1.32 |
| 06 13 23 00-0098 | LF | 6" x 12", Pressure Treated, Heavy Timber Column | 18.81 | 1.34 |
| 06 13 23 00-0099 | LF | 8" x 8", Pressure Treated, Heavy Timber Column | 19.16 | 1.27 |
| 06 13 23 00-0100 | LF | 8" x 10", Pressure Treated, Heavy Timber Column | 22.58 | 1.32 |
| 06 13 23 00-0101 | LF | 8" x 12", Pressure Treated, Heavy Timber Column | 26.94 | 1.37 |
| 06 13 23 00-0102 | LF | 10" x 10", Pressure Treated, Heavy Timber Column | 27.06 | 1.37 |
| 06 13 23 00-0103 | LF | 10" x 12", Pressure Treated, Heavy Timber Column | 36.49 | 1.46 |
| 06 13 23 00-0104 | LF | 12" x 12", Pressure Treated, Heavy Timber Column | 43.51 | 1.61 |
| 06 13 23 00-0105 | BF | >12" To 16" Pressure Treated, Heavy Timber Column<br>Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches. | 3.62 | 0.13 |

# 06 15 Wood Decking *(06 10)*

## 06 15 13 Wood Floor Decking *(06 15)*

06 15 13 00-0001 Wood Deck Systems *(06 15 13)*
Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.

06 15 13 00-0002 Pressure Treated Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

| | | | | |
|---|---|---|---|---|
| 06 15 13 00-0004 | SF | 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System | 38.19 | 7.88 |
| 06 15 13 00-0005 | SF | 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System | 36.99 | 7.49 |
| 06 15 13 00-0006 | SF | 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System | 39.63 | 8.08 |
| 06 15 13 00-0007 | SF | 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System | 38.44 | 7.68 |

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

| | | | | |
|---|---|---|---|---|
| 06 15 13 00-0009 | SF | 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System | 39.48 | 8.08 |
| 06 15 13 00-0010 | SF | 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System | 38.24 | 7.67 |
| 06 15 13 00-0011 | SF | 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System | 40.95 | 8.29 |
| 06 15 13 00-0012 | SF | 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center | 39.74 | 7.87 |

06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

| | | | | |
|---|---|---|---|---|
| 06 15 13 00-0014 | SF | 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System | 38.19 | 7.88 |
| 06 15 13 00-0015 | SF | 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System | 36.99 | 7.49 |
| 06 15 13 00-0016 | SF | 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System | 39.63 | 8.08 |
| 06 15 13 00-0017 | SF | 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System | 38.44 | 7.68 |

06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

| | | | | |
|---|---|---|---|---|
| 06 15 13 00-0020 | SF | 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System | 40.87 | 7.88 |
| 06 15 13 00-0021 | SF | 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System | 39.79 | 7.23 |
| 06 15 13 00-0022 | SF | 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System | 42.99 | 8.08 |
| 06 15 13 00-0023 | SF | 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System | 41.61 | 7.68 |

06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

| | | | | |
|---|---|---|---|---|
| 06 15 13 00-0025 | SF | 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System | 43.68 | 8.08 |
| 06 15 13 00-0026 | SF | 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System | 42.57 | 7.67 |
| 06 15 13 00-0027 | SF | 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System | 45.97 | 8.29 |
| 06 15 13 00-0028 | SF | 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System | 44.60 | 7.87 |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 15 13 00-0029 | | 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)* | | |
| 06 15 13 00-0030 | SF | 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System | 41.95 | 7.88 |
| 06 15 13 00-0031 | SF | 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System | 40.87 | 7.49 |
| 06 15 13 00-0032 | SF | 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System | 44.12 | 8.08 |
| 06 15 13 00-0033 | SF | 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System | 43.61 | 7.68 |
| 06 15 13 00-0034 | | Wood Ramp Systems *(06 15 13)*<br>Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts. | | |
| 06 15 13 00-0035 | | Pressure Treated Wood Ramp System *(06 15 13 00-0034)* | | |
| 06 15 13 00-0036 | | 2" x 6" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)* | | |
| 06 15 13 00-0037 | SF | 5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System | 44.38 | 7.68 |
| 06 15 13 00-0038 | SF | 5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System | 42.83 | 7.29 |
| 06 15 13 00-0039 | SF | 2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System | 45.96 | 7.88 |
| 06 15 13 00-0040 | SF | 2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System | 44.42 | 7.49 |
| 06 15 13 00-0041 | | 2" x 8" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)* | | |
| 06 15 13 00-0042 | SF | 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System | 45.80 | 7.88 |
| 06 15 13 00-0043 | SF | 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System | 44.23 | 7.49 |
| 06 15 13 00-0044 | SF | 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System | 47.44 | 8.08 |
| 06 15 13 00-0045 | SF | 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System | 45.86 | 7.68 |
| 06 15 13 00-0046 | | 2" x 10" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)* | | |
| 06 15 13 00-0047 | SF | 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System | 47.26 | 8.07 |
| 06 15 13 00-0048 | SF | 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System | 45.66 | 7.67 |
| 06 15 13 00-0049 | SF | 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System | 48.96 | 8.29 |
| 06 15 13 00-0050 | SF | 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System | 47.35 | 7.87 |
| 06 15 13 00-0051 | | Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0034)* | | |
| 06 15 13 00-0052 | | 2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)* | | |
| 06 15 13 00-0053 | SF | 5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System | 46.89 | 7.68 |
| 06 15 13 00-0054 | SF | 5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System | 45.47 | 7.29 |
| 06 15 13 00-0055 | SF | 2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System | 49.12 | 7.88 |
| 06 15 13 00-0056 | SF | 2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System | 47.39 | 7.49 |
| 06 15 13 00-0057 | | 2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)* | | |
| 06 15 13 00-0058 | SF | 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System | 48.48 | 7.88 |
| 06 15 13 00-0059 | SF | 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System | 47.03 | 7.49 |
| 06 15 13 00-0060 | SF | 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System | 50.80 | 8.08 |
| 06 15 13 00-0061 | SF | 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System | 49.03 | 7.68 |
| 06 15 13 00-0062 | | 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)* | | |
| 06 15 13 00-0063 | SF | 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System | 51.48 | 8.07 |
| 06 15 13 00-0064 | SF | 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System | 49.99 | 7.67 |
| 06 15 13 00-0065 | SF | 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System | 53.99 | 8.29 |
| 06 15 13 00-0066 | SF | 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System | 52.76 | 7.87 |
| 06 15 13 00-0067 | | Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0034)* | | |
| 06 15 13 00-0068 | | 2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)* | | |
| 06 15 13 00-0069 | SF | 5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System | 45.27 | 7.68 |
| 06 15 13 00-0070 | SF | 5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System | 43.76 | 7.29 |
| 06 15 13 00-0071 | SF | 2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System | 46.93 | 7.88 |
| 06 15 13 00-0072 | SF | 2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System | 45.43 | 7.49 |
| 06 15 13 00-0073 | | 2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)* | | |
| 06 15 13 00-0074 | SF | 5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System | 46.75 | 7.88 |
| 06 15 13 00-0075 | SF | 5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System | 45.21 | 7.49 |
| 06 15 13 00-0076 | SF | 2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System | 48.47 | 8.08 |
| 06 15 13 00-0077 | SF | 2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System | 46.94 | 7.68 |
| 06 15 13 00-0078 | | 2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)* | | |
| 06 15 13 00-0079 | SF | 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System | 48.30 | 8.07 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 15 13 00-0080 | SF | 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System | 46.72 | 7.67 |
| 06 15 13 00-0081 | SF | 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System | 50.05 | 8.29 |
| 06 15 13 00-0082 | SF | 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System | 48.49 | 7.87 |

## 06 15 13 00-0083 Wood Stair Systems *(06 15 13)*

Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.

## 06 15 13 00-0084 Pressure Treated Wood Stair System *(06 15 13 00-0083)*

## 06 15 13 00-0085 2" x 10" Joists, Pressure Treated Wood Stair System *(06 15 13 00-0084)*

| | | | | |
|---|---|---|---|---|
| 06 15 13 00-0086 | RSR | 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 121.06 | 18.91 |
| 06 15 13 00-0087 | RSR | 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 118.22 | 17.97 |
| 06 15 13 00-0088 | RSR | 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 124.83 | 19.39 |
| 06 15 13 00-0089 | RSR | 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 121.37 | 18.43 |
| 06 15 13 00-0090 | RSR | 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 127.12 | 19.87 |
| 06 15 13 00-0091 | RSR | 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 124.14 | 18.87 |
| 06 15 13 00-0092 | RSR | 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 131.06 | 20.37 |
| 06 15 13 00-0093 | RSR | 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 127.44 | 19.35 |
| 06 15 13 00-0094 | RSR | 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 133.32 | 20.85 |
| 06 15 13 00-0095 | RSR | 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 130.18 | 19.81 |
| 06 15 13 00-0096 | RSR | 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 137.46 | 21.39 |
| 06 15 13 00-0097 | RSR | 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 133.65 | 20.32 |
| 06 15 13 00-0098 | RSR | 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 141.62 | 21.90 |
| 06 15 13 00-0099 | RSR | 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 138.43 | 20.80 |
| 06 15 13 00-0100 | RSR | 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 146.05 | 22.46 |
| 06 15 13 00-0101 | RSR | 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 142.10 | 21.34 |

## 06 15 13 00-0102 2" x 12" Joists, Pressure Treated Wood Stair System *(06 15 13 00-0084)*

| | | | | |
|---|---|---|---|---|
| 06 15 13 00-0103 | RSR | 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 123.64 | 19.38 |
| 06 15 13 00-0104 | RSR | 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 120.22 | 18.42 |
| 06 15 13 00-0105 | RSR | 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 127.62 | 19.89 |
| 06 15 13 00-0106 | RSR | 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 124.14 | 18.89 |
| 06 15 13 00-0107 | RSR | 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 129.82 | 20.36 |
| 06 15 13 00-0108 | RSR | 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 126.23 | 19.34 |
| 06 15 13 00-0109 | RSR | 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 134.00 | 20.87 |
| 06 15 13 00-0110 | RSR | 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 130.35 | 19.83 |
| 06 15 13 00-0111 | RSR | 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 136.17 | 21.37 |
| 06 15 13 00-0112 | RSR | 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 132.39 | 20.31 |
| 06 15 13 00-0113 | RSR | 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 140.54 | 21.92 |
| 06 15 13 00-0114 | RSR | 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 136.71 | 20.83 |
| 06 15 13 00-0115 | RSR | 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 144.61 | 22.45 |
| 06 15 13 00-0116 | RSR | 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 140.72 | 21.33 |
| 06 15 13 00-0117 | RSR | 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 149.29 | 23.02 |
| 06 15 13 00-0118 | RSR | 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 145.33 | 21.87 |

## 06 15 13 00-0119 Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0083)*

## 06 15 13 00-0120 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0119)*

| | | | | |
|---|---|---|---|---|
| 06 15 13 00-0121 | RSR | 3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 135.95 | 18.91 |
| 06 15 13 00-0122 | RSR | 3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 132.97 | 17.97 |
| 06 15 13 00-0123 | RSR | 3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 140.64 | 19.39 |
| 06 15 13 00-0124 | RSR | 3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 137.65 | 18.43 |
| 06 15 13 00-0125 | RSR | 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 142.75 | 19.87 |
| 06 15 13 00-0126 | RSR | 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 139.62 | 18.87 |
| 06 15 13 00-0127 | RSR | 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 147.67 | 20.37 |
| 06 15 13 00-0128 | RSR | 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 144.53 | 19.35 |
| 06 15 13 00-0129 | RSR | 4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 149.66 | 20.85 |
| 06 15 13 00-0130 | RSR | 4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 146.37 | 19.81 |
| 06 15 13 00-0131 | RSR | 4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 154.81 | 21.39 |
| 06 15 13 00-0132 | RSR | 4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 151.51 | 20.32 |
| 06 15 13 00-0133 | RSR | 5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 159.59 | 21.90 |
| 06 15 13 00-0134 | RSR | 5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 156.23 | 20.80 |
| 06 15 13 00-0135 | RSR | 5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 165.13 | 22.46 |
| 06 15 13 00-0136 | RSR | 5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System | 161.75 | 21.34 |

## 06 15 13 00-0137 2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0119)*

| | | | | |
|---|---|---|---|---|
| 06 15 13 00-0138 | RSR | 3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 134.13 | 19.38 |
| 06 15 13 00-0139 | RSR | 3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 131.09 | 18.42 |
| 06 15 13 00-0140 | RSR | 3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 138.55 | 19.89 |
| 06 15 13 00-0141 | RSR | 3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 135.58 | 18.89 |
| 06 15 13 00-0142 | RSR | 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 140.84 | 20.36 |
| 06 15 13 00-0143 | RSR | 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 137.65 | 19.34 |
| 06 15 13 00-0144 | RSR | 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 145.47 | 20.87 |
| 06 15 13 00-0145 | RSR | 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 142.36 | 19.83 |
| 06 15 13 00-0146 | RSR | 4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 147.68 | 21.37 |
| 06 15 13 00-0147 | RSR | 4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 144.32 | 20.31 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 15 13 00-0148 | RSR | 4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 152.53 | 21.92 |
| 06 15 13 00-0149 | RSR | 4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 149.26 | 20.83 |
| 06 15 13 00-0150 | RSR | 5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 157.28 | 22.45 |
| 06 15 13 00-0151 | RSR | 5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 153.84 | 21.33 |
| 06 15 13 00-0152 | RSR | 5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 162.48 | 23.02 |
| 06 15 13 00-0153 | RSR | 5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System | 159.14 | 21.87 |

06 15 13 00-0154 Wood Deck And Ramp Systems Repairs *(06 15 13)*
Note: Includes removal of material and screws. Excludes anchors and bolts.

06 15 13 00-0155 Deck Joist Or Girt *(06 15 13 00-0154)*
See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.

06 15 13 00-0156 Deck Boards *(06 15 13 00-0154)*
See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.

| | | | | |
|---|---|---|---|---|
| 06 15 13 00-0157 | LF | 5/4" x 4" Round Edge Pressure Treated Deck Boards | 2.14 | 0.85 |
| 06 15 13 00-0158 | LF | 5/4" x 6" Round Edge Pressure Treated Deck Boards | 2.36 | 1.02 |
| 06 15 13 00-0159 | LF | 2" x 4" Round Edge Pressure Treated Deck Boards | 2.25 | 1.02 |
| 06 15 13 00-0160 | LF | 2" x 6" Round Edge Pressure Treated Deck Boards | 2.97 | 1.17 |
| 06 15 13 00-0161 | LF | 2" x 8" Round Edge Pressure Treated Deck Boards | 3.80 | 1.40 |
| 06 15 13 00-0162 | LF | 2" x 10" Round Edge Pressure Treated Deck Boards | 4.66 | 1.71 |
| 06 15 13 00-0163 | LF | 2" x 12" Round Edge Pressure Treated Deck Boards | 5.74 | 2.02 |
| 06 15 13 00-0164 | LF | 2" x 4" Round Edge Cedar Deck Boards | 2.51 | 1.02 |
| 06 15 13 00-0165 | LF | 2" x 6" Round Edge Cedar Deck Boards | 3.24 | 1.17 |
| 06 15 13 00-0166 | LF | 2" x 4" Round Edge Redwood Deck Boards | 2.75 | 1.02 |
| 06 15 13 00-0167 | LF | 2" x 6" Round Edge Redwood Deck Boards | 3.59 | 1.17 |

06 15 13 00-0168 Deck Posts *(06 15 13 00-0154)*
See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.

06 15 13 00-0169 Deck Railing And Pickets *(06 15 13 00-0154)*
See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.

| | | | | |
|---|---|---|---|---|
| 06 15 13 00-0170 | LF | 2" x 4" Pressure Treated Deck Railing | 2.25 | 1.02 |
| 06 15 13 00-0171 | LF | 2" x 2" Pressure Treated Deck Railing Picket | 1.57 | 0.78 |
| 06 15 13 00-0172 | LF | 2" x 4" Cedar Deck Railing | 2.51 | 1.02 |
| 06 15 13 00-0173 | LF | 2" x 2" Cedar Deck Railing Picket | 1.90 | 0.78 |
| 06 15 13 00-0174 | LF | 2" x 4" Redwood Deck Railing | 2.75 | 1.02 |
| 06 15 13 00-0175 | LF | 2" x 2" Redwood Deck Railing Picket | 2.07 | 0.78 |

## 06 16 Sheathing *(06 10)*

### 06 16 23 Subflooring *(06 16)*

06 16 23 00-0001 Board Type Subflooring *(06 16 23)*

| | | | | |
|---|---|---|---|---|
| 06 16 23 00-0002 | SF | 1" x 8" Regular Surface Board Type Subfloor<br>Note: 4 Sides Laid In A Regular Pattern. | 3.32 | 0.89 |
| | | *For Water Resistant Coating Or Treatment, Add* | *0.08* | |
| | | *For Foil Backing, Add* | *0.13* | |
| | | *For Tongue And Groove, Add* | *0.09* | |
| 06 16 23 00-0003 | SF | 1" x 8" Diagonal Surface Board Type Subfloor<br>Note: 4 Sides Laid In A Diagonal Pattern. | 3.69 | 1.11 |
| | | *For Water Resistant Coating Or Treatment, Add* | *0.08* | |
| | | *For Foil Backing, Add* | *0.13* | |
| | | *For Tongue And Groove, Add* | *0.09* | |
| 06 16 23 00-0004 | SF | 1" x 10" Regular Surface Board Type Subfloor<br>Note: 4 sides laid in a regular pattern. | 3.19 | 0.78 |
| | | *For Water Resistant Coating Or Treatment, Add* | *0.08* | |
| | | *For Foil Backing, Add* | *0.14* | |
| | | *For Tongue And Groove, Add* | *0.10* | |
| 06 16 23 00-0005 | SF | 1" x 10" Diagonal Surface Board Type Subfloor<br>Note: 4 sides laid in a diagonal pattern. | 3.45 | 0.89 |
| | | *For Water Resistant Coating Or Treatment, Add* | *0.08* | |
| | | *For Foil Backing, Add* | *0.14* | |
| | | *For Tongue And Groove, Add* | *0.10* | |

### 06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001 Plywood *(06 16 33)*

06 16 33 00-0002 Roof Decking *(06 16 33 00-0001)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 16 33 00-0003 | SF | 3/8" Thick CDX Plywood Roof Decking<br>Note: Applied to wood rafters. | 1.91 | 0.56 |
| | | *For Shear Wall Construction, Add* | *0.26* | |
| | | *For Exterior CC Grade Plywood, Add* | *0.09* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.26* | |
| | | *For ACQ Preservative Treatment, Add* | *0.29* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *1.97* | |
| | | *For Fire Retardant Treatment, Add* | *0.47* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.05* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.10* | |
| | | *For >12,800, Deduct* | *-0.14* | |
| 06 16 33 00-0004 | SF | 1/2" Thick CDX Plywood Roof Decking<br>Note: Applied to wood rafters. | 2.16 | 0.67 |
| | | *For Shear Wall Construction, Add* | *0.29* | |
| | | *For Exterior CC Grade Plywood, Add* | *0.11* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.29* | |
| | | *For ACQ Preservative Treatment, Add* | *0.35* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.15* | |
| | | *For Fire Retardant Treatment, Add* | *0.58* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.07* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.12* | |
| | | *For >12,800, Deduct* | *-0.16* | |
| 06 16 33 00-0005 | SF | 5/8" Thick CDX Plywood Roof Decking<br>Note: Applied to wood rafters. | 2.59 | 0.67 |
| | | *For Shear Wall Construction, Add* | *0.31* | |
| | | *For Exterior CC Grade Plywood, Add* | *0.16* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.31* | |
| | | *For ACQ Preservative Treatment, Add* | *0.50* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.31* | |
| | | *For Fire Retardant Treatment, Add* | *0.83* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.06* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.09* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.15* | |
| | | *For >12,800, Deduct* | *-0.20* | |
| | | *For Tongue And Groove, Add* | *0.07* | |
| 06 16 33 00-0006 | SF | 3/4" Thick CDX Plywood Roof Decking<br>Note: Applied to wood rafters. | 2.88 | 0.78 |
| | | *For Shear Wall Construction, Add* | *0.33* | |
| | | *For Exterior CC Grade Plywood, Add* | *0.18* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.33* | |
| | | *For ACQ Preservative Treatment, Add* | *0.59* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.49* | |
| | | *For Fire Retardant Treatment, Add* | *0.96* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.07* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.11* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.18* | |
| | | *For >12,800, Deduct* | *-0.23* | |
| | | *For Tongue And Groove, Add* | *0.09* | |
| 06 16 33 00-0007 | SF | 1" Thick CDX Plywood Roof Decking<br>Note: Applied to wood rafters. | 3.46 | 0.89 |
| | | *For Shear Wall Construction, Add* | *0.36* | |
| | | *For Exterior CC Grade Plywood, Add* | *0.25* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.36* | |
| | | *For ACQ Preservative Treatment, Add* | *0.79* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.72* | |
| | | *For Fire Retardant Treatment, Add* | *1.30* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.10* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.15* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.23* | |
| | | *For >12,800, Deduct* | *-0.29* | |
| | | *For Tongue And Groove, Add* | *0.12* | |
| 06 16 33 00-0008 | | Wall Sheathing *(06 16 33 00-0001)* | | |
| 06 16 33 00-0009 | SF | 1/4" Interior BC Plywood Wall Sheathing<br>Note: Applied to wall studs. | 2.25 | 0.78 |
| | | *For Shear Wall Construction, Add* | *0.33* | |
| | | *For Exterior CC Grade Plywood, Add* | *0.09* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.33* | |
| | | *For Ceiling Installation, Add* | *0.17* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.49* | |
| | | *For Fire Retardant Treatment, Add* | *0.47* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.05* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.11* | |
| | | *For >12,800, Deduct* | *-0.15* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 16 33 00-0010 | SF | 5/16" Interior BC Plywood Wall Sheathing | 2.28 | 0.78 |
| | | Note: Applied to wall studs. | | |
| | | *For Shear Wall Construction, Add* | *0.33* | |
| | | *For Exterior CC Grade Plywood, Add* | *0.09* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.33* | |
| | | *For Ceiling Installation, Add* | *0.17* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.49* | |
| | | *For Fire Retardant Treatment, Add* | *0.49* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.06* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.11* | |
| | | *For >12,800, Deduct* | *-0.16* | |
| 06 16 33 00-0011 | SF | 3/8" Interior BC Plywood Wall Sheathing | 2.34 | 0.89 |
| | | Note: Applied to wall studs. | | |
| | | *For Shear Wall Construction, Add* | *0.33* | |
| | | *For Exterior CC Grade Plywood, Add* | *0.10* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.33* | |
| | | *For Ceiling Installation, Add* | *0.17* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.49* | |
| | | *For Fire Retardant Treatment, Add* | *0.54* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.06* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.12* | |
| | | *For >12,800, Deduct* | *-0.16* | |
| 06 16 33 00-0012 | SF | 1/2" Interior BC Plywood Wall Sheathing | 2.63 | 0.89 |
| | | Note: Applied to wall studs. | | |
| | | *For Shear Wall Construction, Add* | *0.35* | |
| | | *For Exterior CC Grade Plywood, Add* | *0.13* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.35* | |
| | | *For Ceiling Installation, Add* | *0.18* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.66* | |
| | | *For Fire Retardant Treatment, Add* | *0.68* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.05* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.08* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.14* | |
| | | *For >12,800, Deduct* | *-0.19* | |
| 06 16 33 00-0013 | SF | 5/8" Interior BC Plywood Wall Sheathing | 3.10 | 1.00 |
| | | Note: Applied to wall studs. | | |
| | | *For Shear Wall Construction, Add* | *0.38* | |
| | | *For Exterior CC Grade Plywood, Add* | *0.18* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.38* | |
| | | *For Ceiling Installation, Add* | *0.19* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.85* | |
| | | *For Fire Retardant Treatment, Add* | *0.95* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.07* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.11* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.18* | |
| | | *For >12,800, Deduct* | *-0.24* | |
| 06 16 33 00-0014 | SF | 3/4" Interior BC Plywood Wall Sheathing | 3.42 | 1.11 |
| | | Note: Applied to wall studs. | | |
| | | *For Shear Wall Construction, Add* | *0.41* | |
| | | *For Exterior CC Grade Plywood, Add* | *0.21* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.41* | |
| | | *For Ceiling Installation, Add* | *0.21* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *3.08* | |
| | | *For Fire Retardant Treatment, Add* | *1.08* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.08* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.12* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.20* | |
| | | *For >12,800, Deduct* | *-0.27* | |

## 06 16 33 00-0015 Floor Decking *(06 16 33 00-0001)*

Note: Includes patching of seams and all fastener holes where necessary.

| | | | | |
|---|---|---|---|---|
| 06 16 33 00-0016 | SF | 5/16" CD Grade Plywood Floor Decking | 1.78 | 0.67 |
| | | Note: Applied to floor or joists. | | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *1.88* | |
| | | *For Fire Retardant Treatment, Add* | *0.42* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.03* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.05* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.09* | |
| | | *For >12,800, Deduct* | *-0.13* | |
| | | *For ACQ Preservative Treatment, Add* | *0.25* | |
| | | *For Fir Plywood, Add* | *0.10* | |
| | | *For BC Grade Plywood, Add* | *0.08* | |
| | | *For Exterior Glue, Add* | *0.05* | |
| | | *For Marine Grade, Add* | *0.41* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 16 33 00-0017 | SF | 3/8" CD Grade Plywood Floor Decking | 1.81 | 0.67 |
| | | Note: Applied to floor or joists. | | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *1.98* | |
| | | *For Fire Retardant Treatment, Add* | *0.39* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.03* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.04* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.09* | |
| | | *For >12,800, Deduct* | *-0.12* | |
| | | *For ACQ Preservative Treatment, Add* | *0.24* | |
| | | *For Fir Plywood, Add* | *0.09* | |
| | | *For BC Grade Plywood, Add* | *0.07* | |
| | | *For Exterior Glue, Add* | *0.05* | |
| | | *For Marine Grade, Add* | *0.38* | |
| 06 16 33 00-0018 | SF | 1/2" CD Grade Plywood Floor Decking | 2.04 | 0.67 |
| | | Note: Applied to floor or joists. | | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.09* | |
| | | *For Fire Retardant Treatment, Add* | *0.51* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.06* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.11* | |
| | | *For >12,800, Deduct* | *-0.15* | |
| | | *For ACQ Preservative Treatment, Add* | *0.31* | |
| | | *For Fir Plywood, Add* | *0.12* | |
| | | *For BC Grade Plywood, Add* | *0.10* | |
| | | *For Exterior Glue, Add* | *0.06* | |
| | | *For Marine Grade, Add* | *0.51* | |
| 06 16 33 00-0019 | SF | 5/8" CD Grade Plywood Floor Decking | 2.43 | 0.67 |
| | | Note: Applied to floor or joists. | | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.28* | |
| | | *For Fire Retardant Treatment, Add* | *0.72* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.05* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.08* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.14* | |
| | | *For >12,800, Deduct* | *-0.19* | |
| | | *For ACQ Preservative Treatment, Add* | *0.44* | |
| | | *For Fir Plywood, Add* | *0.17* | |
| | | *For BC Grade Plywood, Add* | *0.13* | |
| | | *For Exterior Glue, Add* | *0.08* | |
| | | *For Marine Grade, Add* | *0.71* | |
| 06 16 33 00-0020 | SF | 3/4" CD Grade Plywood Floor Decking | 2.78 | 0.67 |
| | | Note: Applied to floor or joists. | | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.42* | |
| | | *For Fire Retardant Treatment, Add* | *0.92* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.07* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.11* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.17* | |
| | | *For >12,800, Deduct* | *-0.22* | |
| | | *For ACQ Preservative Treatment, Add* | *0.56* | |
| | | *For Fir Plywood, Add* | *0.22* | |
| | | *For BC Grade Plywood, Add* | *0.17* | |
| | | *For Exterior Glue, Add* | *0.11* | |
| | | *For Marine Grade, Add* | *0.92* | |
| 06 16 33 00-0021 | SF | 1-1/8" CD Grade Plywood Floor Decking | 4.12 | 1.00 |
| | | Note: Applied to floor or joists. | | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.87* | |
| | | *For Fire Retardant Treatment, Add* | *1.75* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.13* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.20* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.29* | |
| | | *For >12,800, Deduct* | *-0.36* | |
| | | *For ACQ Preservative Treatment, Add* | *1.06* | |
| | | *For Fir Plywood, Add* | *0.41* | |
| | | *For BC Grade Plywood, Add* | *0.33* | |
| | | *For Exterior Glue, Add* | *0.21* | |
| | | *For Marine Grade, Add* | *1.73* | |
| 06 16 33 00-0022 | SF | 1/2" AC Fir Plywood Floor Decking | 2.43 | 0.67 |
| | | Note: Applied to floor or joists. | | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.09* | |
| | | *For Fire Retardant Treatment, Add* | *0.82* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.06* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.09* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.15* | |
| | | *For >12,800, Deduct* | *-0.19* | |
| | | *For ACQ Preservative Treatment, Add* | *0.50* | |
| | | *For Exterior Glue, Add* | *0.10* | |
| | | *For Marine Grade, Add* | *0.81* | |
| | | *For Tongue And Groove, Add* | *0.07* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 16 33 00-0023 | SF | 5/8" AC Fir Plywood Floor Decking<br>Note: Applied to floor or joists. | 2.94 | 0.67 |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.28* | |
| | | *For Fire Retardant Treatment, Add* | *1.12* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.09* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.13* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.19* | |
| | | *For >12,800, Deduct* | *-0.25* | |
| | | *For ACQ Preservative Treatment, Add* | *0.68* | |
| | | *For Exterior Glue, Add* | *0.13* | |
| | | *For Marine Grade, Add* | *1.11* | |
| | | *For Tongue And Groove, Add* | *0.10* | |
| 06 16 33 00-0024 | SF | 3/4" AC Fir Plywood Floor Decking<br>Note: Applied to floor or joists. | 3.15 | 0.67 |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add* | *2.42* | |
| | | *For Fire Retardant Treatment, Add* | *1.22* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.09* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.14* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.21* | |
| | | *For >12,800, Deduct* | *-0.27* | |
| | | *For ACQ Preservative Treatment, Add* | *0.74* | |
| | | *For Exterior Glue, Add* | *0.14* | |
| | | *For Marine Grade, Add* | *1.21* | |
| | | *For Tongue And Groove, Add* | *0.11* | |

## 06 16 33 00-0025 Underlayment Grade *(06 16 33 00-0001)*

Note: Includes patching of seams and all fastener holes where necessary.

| | | | | |
|---|---|---|---|---|
| 06 16 33 00-0026 | SF | 1/4" Thick Plywood Underlayment BC Grade | 1.90 | 0.67 |
| | | *For Fire Retardant Treatment, Add* | *0.49* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.06* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.09* | |
| | | *For >12,800, Deduct* | *-0.14* | |
| 06 16 33 00-0027 | SF | 3/8" Thick Plywood Underlayment BC Grade | 2.03 | 0.67 |
| | | *For Fire Retardant Treatment, Add* | *0.54* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.06* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.09* | |
| | | *For >12,800, Deduct* | *-0.15* | |
| 06 16 33 00-0028 | SF | 1/2" Thick Plywood Underlayment BC Grade | 2.12 | 0.78 |
| | | *For Fire Retardant Treatment, Add* | *0.58* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.07* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.10* | |
| | | *For >12,800, Deduct* | *-0.16* | |
| 06 16 33 00-0029 | SF | 5/8" Thick Plywood Underlayment BC Grade | 2.41 | 0.78 |
| | | *For Fire Retardant Treatment, Add* | *0.69* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.05* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.08* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.12* | |
| | | *For >12,800, Deduct* | *-0.18* | |
| | | *For Tongue And Groove, Add* | *0.06* | |
| 06 16 33 00-0030 | SF | 3/4" Thick Plywood Underlayment BC Grade | 2.60 | 0.78 |
| | | *For Fire Retardant Treatment, Add* | *0.84* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.06* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.10* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.13* | |
| | | *For >12,800, Deduct* | *-0.20* | |
| | | *For Tongue And Groove, Add* | *0.07* | |
| 06 16 33 00-0031 | SF | 1-1/8" Thick Plywood Underlayment BC Grade | 3.33 | 0.89 |
| | | *For Fire Retardant Treatment, Add* | *1.27* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.10* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.14* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.19* | |
| | | *For >12,800, Deduct* | *-0.28* | |
| | | *For Tongue And Groove, Add* | *0.11* | |
| 06 16 33 00-0032 | SF | 3/8" Thick CDX Plywood Underlayment Grade | 2.18 | 0.67 |
| | | *For Fire Retardant Treatment, Add* | *0.66* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.05* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.07* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.11* | |
| | | *For >12,800, Deduct* | *-0.17* | |
| 06 16 33 00-0033 | SF | 5/8" Thick CDX Plywood Underlayment Grade | 2.77 | 0.78 |
| | | *For Fire Retardant Treatment, Add* | *0.99* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.08* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.11* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.15* | |
| | | *For >12,800, Deduct* | *-0.23* | |

## 06 16 33 00-0034 Oriented Strand Board *(06 16 33)*

## 06 16 33 00-0035 On Roof *(06 16 33 00-0034)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 16 33 00-0036 | SF | 3/8" Thick Structural Oriented Strand Board (OSB) On Roof | 1.70 | 0.67 |
| | | *For >1,408 To 3,200, Deduct* | *-0.02* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.04* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.08* | |
| | | *For >12,800, Deduct* | *-0.11* | |
| | | *For Fire Retardant Treatment, Add* | *0.31* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add* | *1.97* | |
| 06 16 33 00-0037 | SF | 1/2" Thick Structural Oriented Strand Board (OSB) On Roof | 1.88 | 0.67 |
| | | *For >1,408 To 3,200, Deduct* | *-0.03* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.04* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.09* | |
| | | *For >12,800, Deduct* | *-0.13* | |
| | | *For Fire Retardant Treatment, Add* | *0.36* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add* | *2.15* | |
| 06 16 33 00-0038 | SF | 5/8" Thick Structural Oriented Strand Board (OSB) On Roof | 2.20 | 0.78 |
| | | *For >1,408 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.06* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.11* | |
| | | *For >12,800, Deduct* | *-0.16* | |
| | | *For Fire Retardant Treatment, Add* | *0.52* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add* | *2.31* | |
| 06 16 33 00-0039 | SF | 3/4" Thick Structural Oriented Strand Board (OSB) On Roof | 2.53 | 0.78 |
| | | *For >1,408 To 3,200, Deduct* | *-0.05* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.08* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.14* | |
| | | *For >12,800, Deduct* | *-0.19* | |
| | | *For Fire Retardant Treatment, Add* | *0.69* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add* | *2.49* | |

## 06 16 33 00-0040 On Walls *(06 16 33 00-0034)*

| | | | | |
|---|---|---|---|---|
| 06 16 33 00-0041 | SF | 3/8" Thick Structural Oriented Strand Board (OSB) On Walls | 2.05 | 0.78 |
| | | *For >1,408 To 3,200, Deduct* | *-0.02* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.04* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.08* | |
| | | *For >12,800, Deduct* | *-0.13* | |
| | | *For Fire Retardant Treatment, Add* | *0.31* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add* | *2.49* | |
| 06 16 33 00-0042 | SF | 1/2" Thick Structural Oriented Strand Board (OSB) On Walls | 2.22 | 0.89 |
| | | *For >1,408 To 3,200, Deduct* | *-0.03* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.04* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.09* | |
| | | *For >12,800, Deduct* | *-0.14* | |
| | | *For Fire Retardant Treatment, Add* | *0.36* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add* | *2.66* | |
| 06 16 33 00-0043 | SF | 5/8" Thick Structural Oriented Strand Board (OSB) On Walls | 2.56 | 1.00 |
| | | *For >1,408 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.06* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.12* | |
| | | *For >12,800, Deduct* | *-0.17* | |
| | | *For Fire Retardant Treatment, Add* | *0.52* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add* | *2.85* | |
| 06 16 33 00-0044 | SF | 3/4" Thick Structural Oriented Strand Board (OSB) On Walls | 2.92 | 1.00 |
| | | *For >1,408 To 3,200, Deduct* | *-0.05* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.08* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.15* | |
| | | *For >12,800, Deduct* | *-0.21* | |
| | | *For Fire Retardant Treatment, Add* | *0.69* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add* | *3.08* | |

## 06 16 33 00-0045 On Floors *(06 16 33 00-0034)*

Note: Includes patching of seams and all fastener holes where necessary.

| | | | | |
|---|---|---|---|---|
| 06 16 33 00-0046 | SF | 3/8" Thick Structural Oriented Strand Board (OSB) On Floors | 1.73 | 0.67 |
| | | *For >1,408 To 3,200, Deduct* | *-0.02* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.04* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.08* | |
| | | *For >12,800, Deduct* | *-0.11* | |
| | | *For Fire Retardant Treatment, Add* | *0.31* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add* | *2.01* | |
| 06 16 33 00-0047 | SF | 1/2" Thick Structural Oriented Strand Board (OSB) On Floors | 2.06 | 0.78 |
| | | *For >1,408 To 3,200, Deduct* | *-0.03* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.04* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.09* | |
| | | *For >12,800, Deduct* | *-0.13* | |
| | | *For Fire Retardant Treatment, Add* | *0.36* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add* | *2.42* | |
| 06 16 33 00-0048 | SF | 5/8" Thick Structural Oriented Strand Board (OSB) On Floors | 2.41 | 0.89 |
| | | *For >1,408 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.06* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.12* | |
| | | *For >12,800, Deduct* | *-0.17* | |
| | | *For Fire Retardant Treatment, Add* | *0.52* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add* | *2.63* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 16 33 00-0049 | SF | 3/4" Thick Structural Oriented Strand Board (OSB) On Floors | 2.77 | 1.00 |
| | | *For >1,408 To 3,200, Deduct* | *-0.05* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.08* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.14* | |
| | | *For >12,800, Deduct* | *-0.20* | |
| | | *For Fire Retardant Treatment, Add* | *0.69* | |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add* | *2.85* | |

### 06 16 33 00-0050 Particle Board *(06 16 33)*

### 06 16 33 00-0051 Particle Board Floor Decking *(06 16 33 00-0050)*

Note: Includes patching of seams and all fastener holes where necessary.

| | | | | |
|---|---|---|---|---|
| 06 16 33 00-0052 | SF | 3/8" Particle Board Floor Decking | 1.95 | 0.56 |
| | | Note: Applied to plywood subfloor. | | |
| | | *For Fire Retardant Treatment Add* | *0.51* | |
| | | *For >1,536 To 3,200, Deduct* | *-0.04* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.06* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.10* | |
| | | *For >12,800, Deduct* | *-0.14* | |
| | | *For Tongue And Groove, Add* | *0.04* | |
| 06 16 33 00-0053 | SF | 1/2" Particle Board Floor Decking | 2.25 | 0.56 |
| | | Note: Applied to plywood subfloor. | | |
| | | *For Fire Retardant Treatment Add* | *0.69* | |
| | | *For >1,536 To 3,200, Deduct* | *-0.05* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.08* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.13* | |
| | | *For >12,800, Deduct* | *-0.17* | |
| | | *For Tongue And Groove, Add* | *0.06* | |
| 06 16 33 00-0054 | SF | 5/8" Particle Board Floor Decking | 2.55 | 0.67 |
| | | Note: Applied to plywood subfloor. | | |
| | | *For Fire Retardant Treatment Add* | *0.86* | |
| | | *For >1,536 To 3,200, Deduct* | *-0.07* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.10* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.16* | |
| | | *For >12,800, Deduct* | *-0.20* | |
| | | *For Tongue And Groove, Add* | *0.08* | |
| 06 16 33 00-0055 | SF | 3/4" Particle Board Floor Decking | 2.84 | 0.67 |
| | | Note: Applied to plywood subfloor. | | |
| | | *For Fire Retardant Treatment Add* | *1.01* | |
| | | *For >1,536 To 3,200, Deduct* | *-0.08* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.12* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.18* | |
| | | *For >12,800, Deduct* | *-0.23* | |
| | | *For Tongue And Groove, Add* | *0.09* | |

## 06 16 43 Gypsum Sheathing *(06 16)*

### 06 16 43 00-0001 Exterior Gypsum Sheathing *(06 16 43)*

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

| | | | | |
|---|---|---|---|---|
| 06 16 43 00-0002 | SF | 1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold) | 3.22 | 0.89 |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add* | *2.66* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.35* | |
| | | *For Ceiling Installation, Add* | *0.18* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.09* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.13* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.20* | |
| | | *For >12,800, Deduct* | *-0.26* | |
| 06 16 43 00-0003 | SF | 5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold) | 3.48 | 1.11 |
| | | *For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add* | *2.85* | |
| | | *For Application To Metal Studs, Joists, Or Rafters, Add* | *0.38* | |
| | | *For Ceiling Installation, Add* | *0.19* | |
| | | *For >1,696 To 3,200, Deduct* | *-0.09* | |
| | | *For >3,200 To 6,400, Deduct* | *-0.14* | |
| | | *For >6,400 To 12,800, Deduct* | *-0.22* | |
| | | *For >12,800, Deduct* | *-0.28* | |

# 06 17 Shop-Fabricated Structural Wood *(06 10)*

## 06 17 13 Laminated Veneer Lumber *(06 17)*

### 06 17 13 00-0001 Laminated Veneer Lumber (LVL) *(06 17 13)*

| | | | | |
|---|---|---|---|---|
| 06 17 13 00-0002 | LF | 1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL) | 7.25 | 1.92 |
| 06 17 13 00-0003 | LF | 1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL) | 7.93 | 1.95 |
| 06 17 13 00-0004 | LF | 1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL) | 8.70 | 1.98 |
| 06 17 13 00-0005 | LF | 1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL) | 9.67 | 2.01 |
| 06 17 13 00-0006 | LF | 1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL) | 10.39 | 2.05 |
| 06 17 13 00-0007 | LF | 1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL) | 11.43 | 2.13 |
| 06 17 13 00-0008 | LF | 1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL) | 12.89 | 2.16 |
| 06 17 13 00-0009 | LF | 1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL) | 17.53 | 2.45 |

## 06 17 23 Parallel Strand Lumber *(06 17)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **06 17 23 00-0001** | | **Laminated Strand Lumber (LSL)** *(06 17 23)* | | |
| 06 17 23 00-0002 | LF | 2" x 4" Laminated Strand Lumber (LSL) | 2.50 | 0.89 |
| 06 17 23 00-0003 | LF | 2" x 6" Laminated Strand Lumber (LSL) | 3.32 | 0.95 |
| **06 17 33** | | **Wood I-Joists** *(06 17)* | | |
| **06 17 33 00-0001** | | **Prefabricated Wood I-Joists** *(06 17 33)* | | |
| 06 17 33 00-0002 | LF | 9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length | 4.55 | 1.28 |
| | | *For I-Joists 30' To 40' In Length, Add* | *0.56* | |
| | | *For I-Joists >40' In Length, Add* | *1.37* | |
| 06 17 33 00-0003 | LF | 11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length | 4.92 | 1.41 |
| | | *For I-Joists 30' To 40' In Length, Add* | *0.62* | |
| | | *For I-Joists >40' In Length, Add* | *1.53* | |
| 06 17 33 00-0004 | LF | 14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length | 5.74 | 1.59 |
| | | *For I-Joists 30' To 40' In Length, Add* | *0.70* | |
| | | *For I-Joists >40' In Length, Add* | *1.72* | |
| 06 17 33 00-0005 | LF | 16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length | 6.46 | 1.77 |
| | | *For I-Joists 30' To 40' In Length, Add* | *0.78* | |
| | | *For I-Joists >40' In Length, Add* | *1.92* | |
| **06 17 43** | | **Rim Boards** *(06 17)* | | |
| **06 17 43 00-0001** | | **Oriented Strand Board (OSB) Rim Board** *(06 17 43)* | | |
| 06 17 43 00-0002 | LF | 1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board | 6.00 | 1.98 |
| 06 17 43 00-0003 | LF | 1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board | 6.51 | 2.01 |
| 06 17 43 00-0004 | LF | 1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board | 7.12 | 2.05 |
| **06 17 53** | | **Shop-Fabricated Wood Trusses** *(06 17)* | | |
| | | Note: Includes temporary and permanent bracing, and fastening with truss tie-downs. | | |
| **06 17 53 00-0001** | | **Pre-Assembled Wood Roof Trusses** *(06 17 53)* | | |
| | | Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'. | | |
| 06 17 53 00-0002 | EA | 10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 185.81 | 74.43 |
| | | *For Up To 15, Add* | *2.77* | |
| | | *For >35, Deduct* | *-1.85* | |
| | | *For 3 In 12 Slope, Add* | *1.11* | |
| | | *For 5 In 12 Slope, Add* | *2.96* | |
| | | *For 6 In 12 Slope, Add* | *5.54* | |
| | | *For 7 In 12 Slope, Add* | *7.39* | |
| | | *For 8 In 12 Slope, Add* | *8.87* | |
| 06 17 53 00-0003 | EA | 12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 206.19 | 81.52 |
| | | *For Up To 15, Add* | *3.24* | |
| | | *For >35, Deduct* | *-2.16* | |
| | | *For 3 In 12 Slope, Add* | *1.29* | |
| | | *For 5 In 12 Slope, Add* | *3.45* | |
| | | *For 6 In 12 Slope, Add* | *6.47* | |
| | | *For 7 In 12 Slope, Add* | *8.63* | |
| | | *For 8 In 12 Slope, Add* | *10.35* | |
| 06 17 53 00-0004 | EA | 14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 229.14 | 88.61 |
| | | *For Up To 15, Add* | *3.89* | |
| | | *For >35, Deduct* | *-2.60* | |
| | | *For 3 In 12 Slope, Add* | *1.56* | |
| | | *For 5 In 12 Slope, Add* | *4.15* | |
| | | *For 6 In 12 Slope, Add* | *7.79* | |
| | | *For 7 In 12 Slope, Add* | *10.38* | |
| | | *For 8 In 12 Slope, Add* | *12.46* | |
| 06 17 53 00-0005 | EA | 16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 258.85 | 95.70 |
| | | *For Up To 15, Add* | *5.06* | |
| | | *For >35, Deduct* | *-3.37* | |
| | | *For 3 In 12 Slope, Add* | *2.02* | |
| | | *For 5 In 12 Slope, Add* | *5.40* | |
| | | *For 6 In 12 Slope, Add* | *10.12* | |
| | | *For 7 In 12 Slope, Add* | *13.49* | |
| | | *For 8 In 12 Slope, Add* | *16.19* | |
| 06 17 53 00-0006 | EA | 18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 284.68 | 102.79 |
| | | *For Up To 15, Add* | *5.93* | |
| | | *For >35, Deduct* | *-3.96* | |
| | | *For 3 In 12 Slope, Add* | *2.37* | |
| | | *For 5 In 12 Slope, Add* | *6.33* | |
| | | *For 6 In 12 Slope, Add* | *11.87* | |
| | | *For 7 In 12 Slope, Add* | *15.82* | |
| | | *For 8 In 12 Slope, Add* | *18.98* | |
| 06 17 53 00-0007 | EA | 20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 300.70 | 113.42 |
| | | *For Up To 15, Add* | *5.54* | |
| | | *For >35, Deduct* | *-3.69* | |
| | | *For 3 In 12 Slope, Add* | *2.22* | |
| | | *For 5 In 12 Slope, Add* | *5.91* | |
| | | *For 6 In 12 Slope, Add* | *11.08* | |
| | | *For 7 In 12 Slope, Add* | *14.77* | |
| | | *For 8 In 12 Slope, Add* | *17.73* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 17 53 00-0008 | EA | 22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 317.04 | 180.77 |
| | | *For Up To 15, Add* | *5.70* | |
| | | *For >35, Deduct* | *-3.80* | |
| | | *For 3 In 12 Slope, Add* | *2.28* | |
| | | *For 5 In 12 Slope, Add* | *6.08* | |
| | | *For 6 In 12 Slope, Add* | *11.40* | |
| | | *For 7 In 12 Slope, Add* | *15.20* | |
| | | *For 8 In 12 Slope, Add* | *18.24* | |
| 06 17 53 00-0009 | EA | 24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 337.67 | 127.60 |
| | | *For Up To 15, Add* | *6.18* | |
| | | *For >35, Deduct* | *-4.12* | |
| | | *For 3 In 12 Slope, Add* | *2.47* | |
| | | *For 5 In 12 Slope, Add* | *6.60* | |
| | | *For 6 In 12 Slope, Add* | *12.37* | |
| | | *For 7 In 12 Slope, Add* | *16.49* | |
| | | *For 8 In 12 Slope, Add* | *19.79* | |
| 06 17 53 00-0010 | EA | 26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 358.98 | 202.04 |
| | | *For Up To 15, Add* | *6.72* | |
| | | *For >35, Deduct* | *-4.48* | |
| | | *For 3 In 12 Slope, Add* | *2.69* | |
| | | *For 5 In 12 Slope, Add* | *7.17* | |
| | | *For 6 In 12 Slope, Add* | *13.44* | |
| | | *For 7 In 12 Slope, Add* | *17.92* | |
| | | *For 8 In 12 Slope, Add* | *21.50* | |
| 06 17 53 00-0011 | EA | 28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 381.24 | 141.77 |
| | | *For Up To 15, Add* | *7.33* | |
| | | *For >35, Deduct* | *-4.88* | |
| | | *For 3 In 12 Slope, Add* | *2.93* | |
| | | *For 5 In 12 Slope, Add* | *7.81* | |
| | | *For 6 In 12 Slope, Add* | *14.65* | |
| | | *For 7 In 12 Slope, Add* | *19.54* | |
| | | *For 8 In 12 Slope, Add* | *23.44* | |
| 06 17 53 00-0012 | EA | 30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 398.52 | 223.30 |
| | | *For Up To 15, Add* | *7.56* | |
| | | *For >35, Deduct* | *-5.04* | |
| | | *For 3 In 12 Slope, Add* | *3.02* | |
| | | *For 5 In 12 Slope, Add* | *8.06* | |
| | | *For 6 In 12 Slope, Add* | *15.12* | |
| | | *For 7 In 12 Slope, Add* | *20.16* | |
| | | *For 8 In 12 Slope, Add* | *24.19* | |
| 06 17 53 00-0013 | EA | 32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 415.67 | 152.41 |
| | | *For Up To 15, Add* | *8.31* | |
| | | *For >35, Deduct* | *-5.54* | |
| | | *For 3 In 12 Slope, Add* | *3.33* | |
| | | *For 5 In 12 Slope, Add* | *8.87* | |
| | | *For 6 In 12 Slope, Add* | *16.63* | |
| | | *For 7 In 12 Slope, Add* | *22.17* | |
| | | *For 8 In 12 Slope, Add* | *26.60* | |
| 06 17 53 00-0014 | EA | 34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 451.91 | 239.32 |
| | | *For Up To 15, Add* | *9.97* | |
| | | *For >35, Deduct* | *-6.65* | |
| | | *For 3 In 12 Slope, Add* | *3.99* | |
| | | *For 5 In 12 Slope, Add* | *10.63* | |
| | | *For 6 In 12 Slope, Add* | *19.94* | |
| | | *For 7 In 12 Slope, Add* | *26.58* | |
| | | *For 8 In 12 Slope, Add* | *31.90* | |
| 06 17 53 00-0015 | EA | 36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 469.46 | 163.05 |
| | | *For Up To 15, Add* | *10.75* | |
| | | *For >35, Deduct* | *-7.17* | |
| | | *For 3 In 12 Slope, Add* | *4.30* | |
| | | *For 5 In 12 Slope, Add* | *11.47* | |
| | | *For 6 In 12 Slope, Add* | *21.51* | |
| | | *For 7 In 12 Slope, Add* | *28.67* | |
| | | *For 8 In 12 Slope, Add* | *34.41* | |
| 06 17 53 00-0016 | EA | 38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 493.43 | 255.21 |
| | | *For Up To 15, Add* | *11.49* | |
| | | *For >35, Deduct* | *-7.66* | |
| | | *For 3 In 12 Slope, Add* | *4.59* | |
| | | *For 5 In 12 Slope, Add* | *12.25* | |
| | | *For 6 In 12 Slope, Add* | *22.97* | |
| | | *For 7 In 12 Slope, Add* | *30.63* | |
| | | *For 8 In 12 Slope, Add* | *36.76* | |
| 06 17 53 00-0017 | EA | 40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 510.90 | 177.23 |
| | | *For Up To 15, Add* | *11.73* | |
| | | *For >35, Deduct* | *-7.82* | |
| | | *For 3 In 12 Slope, Add* | *4.69* | |
| | | *For 5 In 12 Slope, Add* | *12.52* | |
| | | *For 6 In 12 Slope, Add* | *23.47* | |
| | | *For 7 In 12 Slope, Add* | *31.29* | |
| | | *For 8 In 12 Slope, Add* | *37.55* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 17 53 00-0018 | EA | 42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 558.15 | 276.47 |
| | | *For Up To 15, Add* | *14.21* | |
| | | *For >35, Deduct* | *-9.48* | |
| | | *For 3 In 12 Slope, Add* | *5.69* | |
| | | *For 5 In 12 Slope, Add* | *15.16* | |
| | | *For 6 In 12 Slope, Add* | *28.43* | |
| | | *For 7 In 12 Slope, Add* | *37.90* | |
| | | *For 8 In 12 Slope, Add* | *45.48* | |
| 06 17 53 00-0019 | EA | 44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 604.52 | 191.40 |
| | | *For Up To 15, Add* | *16.63* | |
| | | *For >35, Deduct* | *-11.09* | |
| | | *For 3 In 12 Slope, Add* | *6.65* | |
| | | *For 5 In 12 Slope, Add* | *17.74* | |
| | | *For 6 In 12 Slope, Add* | *33.26* | |
| | | *For 7 In 12 Slope, Add* | *44.34* | |
| | | *For 8 In 12 Slope, Add* | *53.21* | |
| 06 17 53 00-0020 | EA | 46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 625.83 | 198.49 |
| | | *For Up To 15, Add* | *17.16* | |
| | | *For >35, Deduct* | *-11.44* | |
| | | *For 3 In 12 Slope, Add* | *6.87* | |
| | | *For 5 In 12 Slope, Add* | *18.31* | |
| | | *For 6 In 12 Slope, Add* | *34.33* | |
| | | *For 7 In 12 Slope, Add* | *45.77* | |
| | | *For 8 In 12 Slope, Add* | *54.92* | |
| 06 17 53 00-0021 | EA | 48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 655.79 | 205.58 |
| | | *For Up To 15, Add* | *18.35* | |
| | | *For >35, Deduct* | *-12.23* | |
| | | *For 3 In 12 Slope, Add* | *7.34* | |
| | | *For 5 In 12 Slope, Add* | *19.57* | |
| | | *For 6 In 12 Slope, Add* | *36.69* | |
| | | *For 7 In 12 Slope, Add* | *48.93* | |
| | | *For 8 In 12 Slope, Add* | *58.71* | |
| 06 17 53 00-0022 | EA | 50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 738.47 | 212.67 |
| | | *For Up To 15, Add* | *23.49* | |
| | | *For >35, Deduct* | *-15.66* | |
| | | *For 3 In 12 Slope, Add* | *9.39* | |
| | | *For 5 In 12 Slope, Add* | *25.05* | |
| | | *For 6 In 12 Slope, Add* | *46.97* | |
| | | *For 7 In 12 Slope, Add* | *62.63* | |
| | | *For 8 In 12 Slope, Add* | *75.15* | |
| 06 17 53 00-0023 | EA | 52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 705.40 | 191.26 |
| | | *For Up To 15, Add* | *21.01* | |
| | | *For >35, Deduct* | *-14.00* | |
| | | *For 3 In 12 Slope, Add* | *8.40* | |
| | | *For 5 In 12 Slope, Add* | *22.41* | |
| | | *For 6 In 12 Slope, Add* | *42.01* | |
| | | *For 7 In 12 Slope, Add* | *56.01* | |
| | | *For 8 In 12 Slope, Add* | *67.22* | |
| 06 17 53 00-0024 | EA | 54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 740.21 | 223.30 |
| | | *For Up To 15, Add* | *22.02* | |
| | | *For >35, Deduct* | *-14.68* | |
| | | *For 3 In 12 Slope, Add* | *8.81* | |
| | | *For 5 In 12 Slope, Add* | *23.49* | |
| | | *For 6 In 12 Slope, Add* | *44.04* | |
| | | *For 7 In 12 Slope, Add* | *58.72* | |
| | | *For 8 In 12 Slope, Add* | *70.46* | |
| 06 17 53 00-0025 | EA | 56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 768.82 | 207.00 |
| | | *For Up To 15, Add* | *23.10* | |
| | | *For >35, Deduct* | *-15.40* | |
| | | *For 3 In 12 Slope, Add* | *9.24* | |
| | | *For 5 In 12 Slope, Add* | *24.64* | |
| | | *For 6 In 12 Slope, Add* | *46.20* | |
| | | *For 7 In 12 Slope, Add* | *61.61* | |
| | | *For 8 In 12 Slope, Add* | *73.93* | |
| 06 17 53 00-0026 | EA | 58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 793.00 | 233.93 |
| | | *For Up To 15, Add* | *24.38* | |
| | | *For >35, Deduct* | *-16.26* | |
| | | *For 3 In 12 Slope, Add* | *9.75* | |
| | | *For 5 In 12 Slope, Add* | *26.01* | |
| | | *For 6 In 12 Slope, Add* | *48.77* | |
| | | *For 7 In 12 Slope, Add* | *65.03* | |
| | | *For 8 In 12 Slope, Add* | *78.03* | |
| 06 17 53 00-0027 | EA | 60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope | 808.90 | 237.48 |
| | | *For Up To 15, Add* | *25.05* | |
| | | *For >35, Deduct* | *-16.70* | |
| | | *For 3 In 12 Slope, Add* | *10.02* | |
| | | *For 5 In 12 Slope, Add* | *26.72* | |
| | | *For 6 In 12 Slope, Add* | *50.09* | |
| | | *For 7 In 12 Slope, Add* | *66.79* | |
| | | *For 8 In 12 Slope, Add* | *80.15* | |

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 17 53 00-0029 | EA | 10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 190.50 | 74.43 |
| | | *For 3 In 12 Slope, Add* | *1.25* | |
| | | *For 5 In 12 Slope, Add* | *3.33* | |
| | | *For 6 In 12 Slope, Add* | *6.24* | |
| | | *For 7 In 12 Slope, Add* | *8.33* | |
| | | *For 8 In 12 Slope, Add* | *9.99* | |
| | | *For 16" On Center Gable Studs, Add* | *8.33* | |
| 06 17 53 00-0030 | EA | 12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 211.67 | 81.52 |
| | | *For 3 In 12 Slope, Add* | *1.46* | |
| | | *For 5 In 12 Slope, Add* | *3.89* | |
| | | *For 6 In 12 Slope, Add* | *7.29* | |
| | | *For 7 In 12 Slope, Add* | *9.72* | |
| | | *For 8 In 12 Slope, Add* | *11.67* | |
| | | *For 16" On Center Gable Studs, Add* | *9.72* | |
| 06 17 53 00-0031 | EA | 14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 235.74 | 88.61 |
| | | *For 3 In 12 Slope, Add* | *1.76* | |
| | | *For 5 In 12 Slope, Add* | *4.68* | |
| | | *For 6 In 12 Slope, Add* | *8.78* | |
| | | *For 7 In 12 Slope, Add* | *11.70* | |
| | | *For 8 In 12 Slope, Add* | *14.04* | |
| | | *For 16" On Center Gable Studs, Add* | *11.70* | |
| 06 17 53 00-0032 | EA | 16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 267.43 | 95.70 |
| | | *For 3 In 12 Slope, Add* | *2.28* | |
| | | *For 5 In 12 Slope, Add* | *6.08* | |
| | | *For 6 In 12 Slope, Add* | *11.40* | |
| | | *For 7 In 12 Slope, Add* | *15.21* | |
| | | *For 8 In 12 Slope, Add* | *18.25* | |
| | | *For 16" On Center Gable Studs, Add* | *15.21* | |
| 06 17 53 00-0033 | EA | 18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 294.74 | 102.79 |
| | | *For 3 In 12 Slope, Add* | *2.67* | |
| | | *For 5 In 12 Slope, Add* | *7.13* | |
| | | *For 6 In 12 Slope, Add* | *13.37* | |
| | | *For 7 In 12 Slope, Add* | *17.83* | |
| | | *For 8 In 12 Slope, Add* | *21.40* | |
| | | *For 16" On Center Gable Studs, Add* | *17.83* | |
| 06 17 53 00-0034 | EA | 20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 320.66 | 113.42 |
| | | *For 3 In 12 Slope, Add* | *2.81* | |
| | | *For 5 In 12 Slope, Add* | *7.51* | |
| | | *For 6 In 12 Slope, Add* | *14.07* | |
| | | *For 7 In 12 Slope, Add* | *18.76* | |
| | | *For 8 In 12 Slope, Add* | *22.52* | |
| | | *For 16" On Center Gable Studs, Add* | *18.76* | |
| 06 17 53 00-0035 | EA | 22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 337.57 | 120.51 |
| | | *For 3 In 12 Slope, Add* | *2.90* | |
| | | *For 5 In 12 Slope, Add* | *7.72* | |
| | | *For 6 In 12 Slope, Add* | *14.48* | |
| | | *For 7 In 12 Slope, Add* | *19.31* | |
| | | *For 8 In 12 Slope, Add* | *23.17* | |
| | | *For 16" On Center Gable Studs, Add* | *19.31* | |
| 06 17 53 00-0036 | EA | 24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 359.94 | 127.60 |
| | | *For 3 In 12 Slope, Add* | *3.14* | |
| | | *For 5 In 12 Slope, Add* | *8.38* | |
| | | *For 6 In 12 Slope, Add* | *15.71* | |
| | | *For 7 In 12 Slope, Add* | *20.95* | |
| | | *For 8 In 12 Slope, Add* | *25.14* | |
| | | *For 16" On Center Gable Studs, Add* | *20.95* | |
| 06 17 53 00-0037 | EA | 26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 383.18 | 134.69 |
| | | *For 3 In 12 Slope, Add* | *3.41* | |
| | | *For 5 In 12 Slope, Add* | *9.10* | |
| | | *For 6 In 12 Slope, Add* | *17.07* | |
| | | *For 7 In 12 Slope, Add* | *22.76* | |
| | | *For 8 In 12 Slope, Add* | *27.31* | |
| | | *For 16" On Center Gable Studs, Add* | *22.76* | |
| 06 17 53 00-0038 | EA | 28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 407.63 | 141.77 |
| | | *For 3 In 12 Slope, Add* | *3.72* | |
| | | *For 5 In 12 Slope, Add* | *9.93* | |
| | | *For 6 In 12 Slope, Add* | *18.61* | |
| | | *For 7 In 12 Slope, Add* | *24.81* | |
| | | *For 8 In 12 Slope, Add* | *29.78* | |
| | | *For 16" On Center Gable Studs, Add* | *24.81* | |
| 06 17 53 00-0039 | EA | 30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 426.83 | 148.87 |
| | | *For 3 In 12 Slope, Add* | *3.87* | |
| | | *For 5 In 12 Slope, Add* | *10.33* | |
| | | *For 6 In 12 Slope, Add* | *19.36* | |
| | | *For 7 In 12 Slope, Add* | *25.82* | |
| | | *For 8 In 12 Slope, Add* | *30.98* | |
| | | *For 16" On Center Gable Studs, Add* | *25.82* | |
| 06 17 53 00-0040 | EA | 32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 446.82 | 152.41 |
| | | *For 3 In 12 Slope, Add* | *4.26* | |
| | | *For 5 In 12 Slope, Add* | *11.36* | |
| | | *For 6 In 12 Slope, Add* | *21.30* | |
| | | *For 7 In 12 Slope, Add* | *28.40* | |
| | | *For 8 In 12 Slope, Add* | *34.08* | |
| | | *For 16" On Center Gable Studs, Add* | *28.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 17 53 00-0041 | EA | 34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 489.25 | 159.50 |
| | | *For 3 In 12 Slope, Add* | *5.11* | |
| | | *For 5 In 12 Slope, Add* | *13.62* | |
| | | *For 6 In 12 Slope, Add* | *25.54* | |
| | | *For 7 In 12 Slope, Add* | *34.05* | |
| | | *For 8 In 12 Slope, Add* | *40.86* | |
| | | *For 16" On Center Gable Studs, Add* | *34.05* | |
| 06 17 53 00-0042 | EA | 36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 509.76 | 163.05 |
| | | *For 3 In 12 Slope, Add* | *5.51* | |
| | | *For 5 In 12 Slope, Add* | *14.69* | |
| | | *For 6 In 12 Slope, Add* | *27.55* | |
| | | *For 7 In 12 Slope, Add* | *36.73* | |
| | | *For 8 In 12 Slope, Add* | *44.08* | |
| | | *For 16" On Center Gable Studs, Add* | *36.73* | |
| 06 17 53 00-0043 | EA | 38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 536.47 | 170.14 |
| | | *For 3 In 12 Slope, Add* | *5.89* | |
| | | *For 5 In 12 Slope, Add* | *15.70* | |
| | | *For 6 In 12 Slope, Add* | *29.43* | |
| | | *For 7 In 12 Slope, Add* | *39.24* | |
| | | *For 8 In 12 Slope, Add* | *47.09* | |
| | | *For 16" On Center Gable Studs, Add* | *39.24* | |
| 06 17 53 00-0044 | EA | 40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 567.48 | 177.23 |
| | | *For 3 In 12 Slope, Add* | *6.39* | |
| | | *For 5 In 12 Slope, Add* | *17.04* | |
| | | *For 6 In 12 Slope, Add* | *31.95* | |
| | | *For 7 In 12 Slope, Add* | *42.61* | |
| | | *For 8 In 12 Slope, Add* | *51.13* | |
| | | *For 16" On Center Gable Studs, Add* | *42.61* | |
| 06 17 53 00-0045 | EA | 42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 626.71 | 184.31 |
| | | *For 3 In 12 Slope, Add* | *7.74* | |
| | | *For 5 In 12 Slope, Add* | *20.65* | |
| | | *For 6 In 12 Slope, Add* | *38.71* | |
| | | *For 7 In 12 Slope, Add* | *51.62* | |
| | | *For 8 In 12 Slope, Add* | *61.94* | |
| | | *For 16" On Center Gable Studs, Add* | *51.62* | |
| 06 17 53 00-0046 | EA | 44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 684.71 | 191.40 |
| | | *For 3 In 12 Slope, Add* | *9.06* | |
| | | *For 5 In 12 Slope, Add* | *24.15* | |
| | | *For 6 In 12 Slope, Add* | *45.29* | |
| | | *For 7 In 12 Slope, Add* | *60.38* | |
| | | *For 8 In 12 Slope, Add* | *72.46* | |
| | | *For 16" On Center Gable Studs, Add* | *60.38* | |
| 06 17 53 00-0047 | EA | 46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 708.61 | 198.49 |
| | | *For 3 In 12 Slope, Add* | *9.35* | |
| | | *For 5 In 12 Slope, Add* | *24.93* | |
| | | *For 6 In 12 Slope, Add* | *46.74* | |
| | | *For 7 In 12 Slope, Add* | *62.33* | |
| | | *For 8 In 12 Slope, Add* | *74.79* | |
| | | *For 16" On Center Gable Studs, Add* | *62.33* | |
| 06 17 53 00-0048 | EA | 48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 744.26 | 205.58 |
| | | *For 3 In 12 Slope, Add* | *9.99* | |
| | | *For 5 In 12 Slope, Add* | *26.65* | |
| | | *For 6 In 12 Slope, Add* | *49.97* | |
| | | *For 7 In 12 Slope, Add* | *66.62* | |
| | | *For 8 In 12 Slope, Add* | *79.94* | |
| | | *For 16" On Center Gable Studs, Add* | *66.62* | |
| 06 17 53 00-0049 | EA | 50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 807.56 | 212.67 |
| | | *For 3 In 12 Slope, Add* | *11.47* | |
| | | *For 5 In 12 Slope, Add* | *30.58* | |
| | | *For 6 In 12 Slope, Add* | *57.33* | |
| | | *For 7 In 12 Slope, Add* | *76.45* | |
| | | *For 8 In 12 Slope, Add* | *91.74* | |
| | | *For 16" On Center Gable Studs, Add* | *76.45* | |
| 06 17 53 00-0050 | EA | 52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 826.85 | 219.76 |
| | | *For 3 In 12 Slope, Add* | *11.62* | |
| | | *For 5 In 12 Slope, Add* | *30.99* | |
| | | *For 6 In 12 Slope, Add* | *58.10* | |
| | | *For 7 In 12 Slope, Add* | *77.47* | |
| | | *For 8 In 12 Slope, Add* | *92.96* | |
| | | *For 16" On Center Gable Studs, Add* | *77.47* | |
| 06 17 53 00-0051 | EA | 54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 852.66 | 223.30 |
| | | *For 3 In 12 Slope, Add* | *12.18* | |
| | | *For 5 In 12 Slope, Add* | *32.48* | |
| | | *For 6 In 12 Slope, Add* | *60.91* | |
| | | *For 7 In 12 Slope, Add* | *81.21* | |
| | | *For 8 In 12 Slope, Add* | *97.45* | |
| | | *For 16" On Center Gable Studs, Add* | *81.21* | |
| 06 17 53 00-0052 | EA | 56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 886.78 | 230.39 |
| | | *For 3 In 12 Slope, Add* | *12.78* | |
| | | *For 5 In 12 Slope, Add* | *34.08* | |
| | | *For 6 In 12 Slope, Add* | *63.90* | |
| | | *For 7 In 12 Slope, Add* | *85.20* | |
| | | *For 8 In 12 Slope, Add* | *102.24* | |
| | | *For 16" On Center Gable Studs, Add* | *85.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 17 53 00-0053 | EA | 58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 917.51 | 233.93 |
| | | *For 3 In 12 Slope, Add* | *13.49* | |
| | | *For 5 In 12 Slope, Add* | *35.97* | |
| | | *For 6 In 12 Slope, Add* | *67.45* | |
| | | *For 7 In 12 Slope, Add* | *89.93* | |
| | | *For 8 In 12 Slope, Add* | *107.91* | |
| | | *For 16" On Center Gable Studs, Add* | *89.93* | |
| 06 17 53 00-0054 | EA | 60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope | 936.79 | 237.48 |
| | | *For 3 In 12 Slope, Add* | *13.85* | |
| | | *For 5 In 12 Slope, Add* | *36.95* | |
| | | *For 6 In 12 Slope, Add* | *69.27* | |
| | | *For 7 In 12 Slope, Add* | *92.37* | |
| | | *For 8 In 12 Slope, Add* | *110.84* | |
| | | *For 16" On Center Gable Studs, Add* | *92.37* | |

# 06 18 Glued-Laminated Construction *(06 10)*

## 06 18 13 Glued-Laminated Beams *(06 18)*

### 06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

| | | | | |
|---|---|---|---|---|
| 06 18 13 00-0002 | LF | 3-1/2" x 6" Glue Laminated Straight Beam | 9.34 | 3.07 |
| 06 18 13 00-0003 | LF | 3-1/2" x 7-1/2" Glue Laminated Straight Beam | 11.67 | 3.83 |
| 06 18 13 00-0004 | LF | 3-1/2" x 9" Glue Laminated Straight Beam | 14.01 | 4.60 |
| 06 18 13 00-0005 | LF | 3-1/2" x 9-1/2" Glue Laminated Straight Beam | 14.78 | 4.86 |
| 06 18 13 00-0006 | LF | 3-1/2" x 10-1/2" Glue Laminated Straight Beam | 16.34 | 5.36 |
| 06 18 13 00-0007 | LF | 3-1/2" x 12" Glue Laminated Straight Beam | 18.67 | 6.13 |
| 06 18 13 00-0008 | LF | 3-1/2" x 13-1/2" Glue Laminated Straight Beam | 21.01 | 6.91 |
| 06 18 13 00-0009 | LF | 3-1/2" x 14" Glue Laminated Straight Beam | 21.79 | 7.16 |
| 06 18 13 00-0010 | LF | 3-1/2" x 15" Glue Laminated Straight Beam | 23.35 | 7.67 |
| 06 18 13 00-0011 | LF | 3-1/2" x 16" Glue Laminated Straight Beam | 24.89 | 8.19 |
| 06 18 13 00-0012 | LF | 3-1/2" x 16-1/2" Glue Laminated Straight Beam | 25.68 | 8.45 |
| 06 18 13 00-0013 | LF | 3-1/2" x 18" Glue Laminated Straight Beam | 28.00 | 9.22 |
| 06 18 13 00-0014 | LF | 3-1/2" x 19-1/2" Glue Laminated Straight Beam | 30.35 | 9.98 |
| 06 18 13 00-0015 | LF | 3-1/2" x 21" Glue Laminated Straight Beam | 32.68 | 10.75 |
| 06 18 13 00-0016 | LF | 3-1/2" x 22.5" Glue Laminated Straight Beam | 35.03 | 11.52 |
| 06 18 13 00-0017 | LF | 5-1/2" x 6" Glue Laminated Straight Beam | 14.67 | 4.83 |
| 06 18 13 00-0018 | LF | 5-1/2" x 7-1/2" Glue Laminated Straight Beam | 18.35 | 6.04 |
| 06 18 13 00-0019 | LF | 5-1/2" x 9" Glue Laminated Straight Beam | 22.01 | 7.24 |
| 06 18 13 00-0020 | LF | 5-1/2" x 9-1/2" Glue Laminated Straight Beam | 23.24 | 7.64 |
| 06 18 13 00-0021 | LF | 5-1/2" x 10-1/2" Glue Laminated Straight Beam | 25.68 | 8.45 |
| 06 18 13 00-0022 | LF | 5-1/2" x 12" Glue Laminated Straight Beam | 29.35 | 9.65 |
| 06 18 13 00-0023 | LF | 5-1/2" x 13-1/2" Glue Laminated Straight Beam | 33.02 | 10.86 |
| 06 18 13 00-0024 | LF | 5-1/2" x 14" Glue Laminated Straight Beam | 34.24 | 11.25 |
| 06 18 13 00-0025 | LF | 5-1/2" x 15" Glue Laminated Straight Beam | 36.68 | 12.07 |
| 06 18 13 00-0026 | LF | 5-1/2" x 16" Glue Laminated Straight Beam | 39.13 | 12.87 |
| 06 18 13 00-0027 | LF | 5-1/2" x 16-1/2" Glue Laminated Straight Beam | 40.35 | 13.28 |
| 06 18 13 00-0028 | LF | 5-1/2" x 18" Glue Laminated Straight Beam | 44.03 | 14.48 |
| 06 18 13 00-0029 | LF | 5-1/2" x 19-1/2" Glue Laminated Straight Beam | 47.69 | 15.69 |
| 06 18 13 00-0030 | LF | 5-1/2" x 21" Glue Laminated Straight Beam | 51.35 | 16.88 |
| 06 18 13 00-0031 | LF | 5-1/2" x 22.5" Glue Laminated Straight Beam | 55.04 | 18.09 |
| 06 18 13 00-0032 | LF | 5-1/2" x 24" Glue Laminated Straight Beam | 58.70 | 19.29 |
| 06 18 13 00-0033 | LF | 6-3/4" x 9" Glue Laminated Straight Beam | 27.02 | 8.89 |
| 06 18 13 00-0034 | LF | 6-3/4" x 9-1/2" Glue Laminated Straight Beam | 28.51 | 9.38 |
| 06 18 13 00-0035 | LF | 6-3/4" x 10-1/2" Glue Laminated Straight Beam | 31.51 | 10.36 |
| 06 18 13 00-0036 | LF | 6-3/4" x 12" Glue Laminated Straight Beam | 36.02 | 11.84 |
| 06 18 13 00-0037 | LF | 6-3/4" x 13-1/2" Glue Laminated Straight Beam | 40.53 | 13.32 |
| 06 18 13 00-0038 | LF | 6-3/4" x 14" Glue Laminated Straight Beam | 42.02 | 13.82 |
| 06 18 13 00-0039 | LF | 6-3/4" x 15" Glue Laminated Straight Beam | 45.02 | 14.81 |
| 06 18 13 00-0040 | LF | 6-3/4" x 16" Glue Laminated Straight Beam | 48.02 | 15.78 |
| 06 18 13 00-0041 | LF | 6-3/4" x 16-1/2" Glue Laminated Straight Beam | 49.53 | 16.28 |
| 06 18 13 00-0042 | LF | 6-3/4" x 18" Glue Laminated Straight Beam | 54.01 | 17.76 |
| 06 18 13 00-0043 | LF | 6-3/4" x 19-1/2" Glue Laminated Straight Beam | 58.52 | 19.25 |
| 06 18 13 00-0044 | LF | 6-3/4" x 21" Glue Laminated Straight Beam | 63.02 | 20.72 |
| 06 18 13 00-0045 | LF | 6-3/4" x 22.5" Glue Laminated Straight Beam | 67.52 | 22.21 |
| 06 18 13 00-0046 | LF | 6-3/4" x 24" Glue Laminated Straight Beam | 72.03 | 23.69 |
| 06 18 13 00-0047 | LF | 8-3/4" x 9" Glue Laminated Straight Beam | 35.03 | 11.52 |
| 06 18 13 00-0048 | LF | 8-3/4" x 9-1/2" Glue Laminated Straight Beam | 36.96 | 12.15 |
| 06 18 13 00-0049 | LF | 8-3/4" x 10-1/2" Glue Laminated Straight Beam | 40.85 | 13.44 |
| 06 18 13 00-0050 | LF | 8-3/4" x 12" Glue Laminated Straight Beam | 46.69 | 15.35 |
| 06 18 13 00-0051 | LF | 8-3/4" x 13-1/2" Glue Laminated Straight Beam | 52.53 | 17.27 |
| 06 18 13 00-0052 | LF | 8-3/4" x 14" Glue Laminated Straight Beam | 54.47 | 17.91 |
| 06 18 13 00-0053 | LF | 8-3/4" x 15" Glue Laminated Straight Beam | 58.36 | 19.19 |
| 06 18 13 00-0054 | LF | 8-3/4" x 16" Glue Laminated Straight Beam | 62.24 | 20.47 |
| 06 18 13 00-0055 | LF | 8-3/4" x 16-1/2" Glue Laminated Straight Beam | 64.20 | 21.10 |
| 06 18 13 00-0056 | LF | 8-3/4" x 18" Glue Laminated Straight Beam | 70.04 | 23.02 |
| 06 18 13 00-0057 | LF | 8-3/4" x 19-1/2" Glue Laminated Straight Beam | 75.87 | 24.94 |
| 06 18 13 00-0058 | LF | 8-3/4" x 21" Glue Laminated Straight Beam | 81.71 | 26.87 |
| 06 18 13 00-0059 | LF | 8-3/4" x 22.5" Glue Laminated Straight Beam | 87.54 | 28.79 |
| 06 18 13 00-0060 | LF | 8-3/4" x 24" Glue Laminated Straight Beam | 93.38 | 30.71 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 18 13 00-0061 | | Glue Laminated Decking *(06 18 13)* | | |
| 06 18 13 00-0062 | LF | 2" - 4" Thick x 4" Wide Glue Laminated Decking | 4.74 | 1.91 |
| 06 18 13 00-0063 | LF | 2" - 4" Thick x 6" Wide Glue Laminated Decking | 4.90 | 1.91 |
| 06 18 13 00-0064 | LF | 2" - 4" Thick x 8" Wide Glue Laminated Decking | 5.03 | 1.79 |
| **06 18 16** | | **Glued-Laminated Columns** *(06 18)* | | |
| 06 18 16 00-0001 | | Glue Laminated Structural Units *(06 18 16)* | | |
| | | Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer. | | |
| 06 18 16 00-0002 | LF | 3-1/4" x 7-1/2" Glue Laminated Purlin Or Column | 13.78 | 3.89 |
| 06 18 16 00-0003 | LF | 3-1/4" x 9-1/4" Glue Laminated Purlin Or Column | 15.53 | 4.32 |
| 06 18 16 00-0004 | LF | 5-1/4" x 9-1/4" Glue Laminated Purlin Or Column | 29.32 | 9.23 |
| 06 18 16 00-0005 | LF | 5-1/4" x 13" Glue Laminated Purlin Or Column | 32.16 | 9.68 |
| **06 20** | | **Finish Carpentry** *(06)* | | |
| **06 22** | | **Millwork** *(06 20)* | | |
| **06 22 13** | | **Standard Pattern Wood Trim** *(06 22)* | | |
| 06 22 13 00-0001 | | Pine Moldings (All Dimensions Are Nominal) *(06 22 13)* | | |
| 06 22 13 00-0002 | LF | 1/4" x 1-1/4" Wood Lattice Strip | 3.23 | 1.11 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.41* | |
| 06 22 13 00-0003 | LF | 1/4" x 1-5/8" Wood Lattice Strip | 3.40 | 0.89 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.41* | |
| 06 22 13 00-0004 | LF | 1/4" x 2-1/2" Wood Lattice Strip | 4.34 | 0.89 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.41* | |
| 06 22 13 00-0005 | LF | 1/4" x 3-1/2" Wood Lattice Strip | 4.89 | 0.89 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.41* | |
| 06 22 13 00-0006 | | Ceilings (All Dimensions Are Nominal) *(06 22 13)* | | |
| 06 22 13 00-0007 | | White Pine *(06 22 13 00-0006)* | | |
| 06 22 13 00-0008 | LF | 9/16" x 3-5/8" White Pine Crown Or Bed Molding | 15.38 | 3.87 |
| | | *For Birch, Add* | *3.55* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *4.99* | |
| | | *For Poplar, Add* | *1.97* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *1.28* | |
| 06 22 13 00-0009 | LF | 11/16" x 4-5/8" White Pine Crown Or Bed Molding | 20.69 | 4.63 |
| | | *For Birch, Add* | *5.07* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *6.99* | |
| | | *For Poplar, Add* | *2.81* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.52* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *1.83* | |
| 06 22 13 00-0010 | LF | 3/4" x 3/4" White Pine Crown Or Bed Molding | 7.35 | 2.65 |
| | | *For Birch, Add* | *1.06* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *1.76* | |
| | | *For Poplar, Add* | *0.59* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.01* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.38* | |
| 06 22 13 00-0011 | LF | 9/16" x 1-5/8" White Pine Crown Or Bed Molding | 8.41 | 2.65 |
| | | *For Birch, Add* | *1.44* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *2.24* | |
| | | *For Poplar, Add* | *0.80* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.01* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.52* | |
| 06 22 13 00-0012 | LF | 9/16" x 2-1/4" White Pine Crown Or Bed Molding | 11.07 | 3.31 |
| | | *For Birch, Add* | *2.00* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *3.05* | |
| | | *For Poplar, Add* | *1.11* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.72* | |
| 06 22 13 00-0013 | LF | 3/4" x 3-1/2" White Pine Crown Or Bed Molding | 12.83 | 3.31 |
| | | *For Birch, Add* | *2.63* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *3.84* | |
| | | *For Poplar, Add* | *1.46* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.95* | |
| 06 22 13 00-0014 | LF | 5/8" x 4-1/4" White Pine Crown Or Bed Molding | 15.96 | 3.98 |
| | | *For Birch, Add* | *3.36* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *4.87* | |
| | | *For Poplar, Add* | *1.87* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.52* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *1.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 22 13 00-0015 | LF | 1" x 2" White Pine Dentil Molding | 7.62 | 3.09 |
| | | *For Birch, Add* | *1.16* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *1.89* | |
| | | *For Poplar, Add* | *0.64* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.01* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.42* | |
| 06 22 13 00-0016 | LF | 9/16" x 1-3/4" White Pine Cove Molding | 6.47 | 2.32 |
| | | *For Birch, Add* | *1.14* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *1.75* | |
| | | *For Poplar, Add* | *0.63* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.76* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.41* | |
| 06 22 13 00-0017 | LF | 11/16" x 2-3/4" White Pine Cove Molding | 9.85 | 2.32 |
| | | *For Birch, Add* | *2.35* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *3.27* | |
| | | *For Poplar, Add* | *1.31* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.76* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.85* | |
| 06 22 13 00-0018 | LF | 3/8" x 3/8" White Pine Cove Molding | 3.79 | 1.33 |
| | | *For Birch, Add* | *0.54* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *0.90* | |
| | | *For Poplar, Add* | *0.30* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.53* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.19* | |
| 06 22 13 00-0019 | LF | 1/2" x 1/2" White Pine Cove Molding | 4.17 | 1.33 |
| | | *For Birch, Add* | *0.67* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *1.07* | |
| | | *For Poplar, Add* | *0.37* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.53* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.24* | |
| 06 22 13 00-0020 | LF | 5/8" x 5/8" White Pine Cove Molding | 5.59 | 1.65 |
| | | *For Birch, Add* | *1.02* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *1.55* | |
| | | *For Poplar, Add* | *0.57* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.63* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.37* | |
| 06 22 13 00-0021 | LF | 3/4" x 3/4" White Pine Cove Molding | 5.59 | 1.65 |
| | | *For Birch, Add* | *1.02* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *1.55* | |
| | | *For Poplar, Add* | *0.57* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.63* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.37* | |
| 06 22 13 00-0022 | LF | 15/16" x 15/16" White Pine Cove Molding | 7.30 | 1.65 |
| | | *For Birch, Add* | *1.63* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *2.32* | |
| | | *For Poplar, Add* | *0.91* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.63* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.59* | |
| 06 22 13 00-0023 | LF | 7-1/2" Wide White Pine Mullion Covers | 48.47 | 1.98 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.91* | |
| 06 22 13 00-0024 | LF | Three Piece White Pine Mullion Trim, 2 Cove Moldings | 61.44 | 1.98 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.91* | |
| 06 22 13 00-0025 | | Cedar Trim *(06 22 13 00-0006)* | | |
| 06 22 13 00-0026 | LF | 2" x 4" Cedar Ceiling Trim | 12.83 | 5.56 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.84* | |
| 06 22 13 00-0027 | | Oak Trim *(06 22 13 00-0006)* | | |
| 06 22 13 00-0028 | LF | 1" x 8" Clear Oak Ceiling Trim | 13.41 | 5.12 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.71* | |
| 06 22 13 00-0029 | | Closet Poles *(06 22 13)* | | |
| 06 22 13 00-0030 | LF | 1-1/8" Diameter Pine Closet Poles | 11.25 | 2.87 |
| 06 22 13 00-0031 | LF | 1-5/8" Diameter Pine Closet Poles | 13.78 | 2.87 |
| 06 22 13 00-0032 | LF | 2" Diameter Pine Closet Poles | 18.99 | 3.20 |

## 06 25 Prefinished Paneling *(06 20)*

### 06 25 16 Prefinished Plywood Paneling *(06 25)*

06 25 16 00-0001 Hardboard Panels *(06 25 16)*
Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels *(06 25 16 00-0001)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 25 16 00-0003 | SF | 1/4" Tempered Hardboard Panels | 7.15 | 2.00 |
| | | *For Waterproof Glue, Add* | *0.18* | |
| | | *For Ceiling Installation, Add* | *1.37* | |
| | | *For Glue Laminated Installation, Add* | *0.36* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.75* | |
| | | *For 1/2" Thick Paneling, Add* | *1.95* | |
| | | *For 5/8" Thick Paneling, Add* | *2.49* | |
| | | *For 3/4" Thick Paneling, Add* | *3.19* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *2.05* | |
| 06 25 16 00-0004 | SF | 1/4" Plastic Faced Tempered Hardboard Panels | 7.71 | 2.45 |
| | | *For Waterproof Glue, Add* | *0.17* | |
| | | *For Ceiling Installation, Add* | *1.60* | |
| | | *For Glue Laminated Installation, Add* | *0.39* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.77* | |
| | | *For 1/2" Thick Paneling, Add* | *1.92* | |
| | | *For 5/8" Thick Paneling, Add* | *2.42* | |
| | | *For 3/4" Thick Paneling, Add* | *3.06* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *1.87* | |
| 06 25 16 00-0005 | SF | 1/4" Pegboard Tempered Hardboard Panels | 8.92 | 2.00 |
| | | *For Waterproof Glue, Add* | *0.31* | |
| | | *For Ceiling Installation, Add* | *1.37* | |
| | | *For Glue Laminated Installation, Add* | *0.45* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-1.05* | |
| | | *For 1/2" Thick Paneling, Add* | *2.90* | |
| | | *For 5/8" Thick Paneling, Add* | *3.82* | |
| | | *For 3/4" Thick Paneling, Add* | *4.99* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *3.44* | |
| 06 25 16 00-0006 | SF | 1/4" Plastic Faced Pegboard Tempered Hardboard | 8.25 | 2.45 |
| | | *For Waterproof Glue, Add* | *0.20* | |
| | | *For Ceiling Installation, Add* | *1.60* | |
| | | *For Glue Laminated Installation, Add* | *0.41* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.86* | |
| | | *For 1/2" Thick Paneling, Add* | *2.21* | |
| | | *For 5/8" Thick Paneling, Add* | *2.82* | |
| | | *For 3/4" Thick Paneling, Add* | *3.61* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *2.30* | |

### 06 25 16 00-0007 Untempered Hardboard Panels *(06 25 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 25 16 00-0008 | SF | 1/4" Untempered Hardboard Panels | 6.59 | 2.00 |
| | | *For Waterproof Glue, Add* | *0.14* | |
| | | *For Glue Laminated Installation, Add* | *0.33* | |
| | | *For Lumber Core, Add* | *0.22* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *1.60* | |

# 06 40 Architectural Woodwork *(06)*

## 06 41 Architectural Wood Casework *(06 40)*

### 06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

### 06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)*

Note: Includes storage, cleaning and supply materials. Any height or width.

| | | | |
|---|---|---|---|
| 06 41 13 00-0002 | LF | Removal And Reinstallation Of Wood Base Cabinets | 84.45 |
| 06 41 13 00-0003 | LF | Removal And Reinstallation Of Wall Cabinets | 73.43 |
| 06 41 13 00-0004 | LF | Removal And Reinstallation Of Plastic Laminated Countertops | 17.53 |

### 06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets *(06 41 13)*

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

### 06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

### 06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0006)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0008 | EA | 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet | 414.67 | 22.07 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0009 | EA | 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet | 441.50 | 27.59 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0010 | EA | 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet | 461.79 | 33.11 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0011 | EA | 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet | 486.11 | 38.63 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0012 | EA | 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet | 554.50 | 44.15 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0013 | EA | 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet | 580.04 | 49.67 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0014 | EA | 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet | 628.01 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0015 | EA | 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet | 661.89 | 60.71 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0016 | EA | 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet | 682.46 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0017 | EA | 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet | 779.29 | 88.31 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *250.94* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0018 | EA | 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 866.20 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *250.94* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0019 | EA | 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 962.11 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *250.94* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0020 | EA | 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 909.79 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0021 | EA | 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 1,016.34 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0022 | EA | 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 421.05 | 22.07 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0023 | EA | 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 430.87 | 27.59 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0024 | EA | 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 471.36 | 33.11 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0025 | EA | 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 502.06 | 38.63 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0026 | EA | 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 523.67 | 44.15 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0027 | EA | 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 550.27 | 49.67 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0028 | EA | 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 907.67 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0029 | EA | 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 957.50 | 60.71 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0030 | EA | 36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 1,006.77 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0031 | EA | 12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 518.88 | 22.07 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0032 | EA | 15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 529.75 | 27.59 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0033 | EA | 18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 575.56 | 33.11 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0034 | EA | 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 612.65 | 38.63 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0035 | EA | 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 644.89 | 44.15 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0036 | EA | 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 677.87 | 49.67 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0037 | EA | 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 952.33 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0038 | EA | 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 1,007.47 | 60.71 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0039 | EA | 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet | 1,064.19 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |

## 06 41 13 00-0040 Wall Cabinet, 12" High, 12" Deep *(06 41 13 00-0006)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0041 | EA | 30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet | 371.08 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0042 | EA | 33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet | 396.40 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0043 | EA | 36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet | 437.20 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0044 | EA | 39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet | 466.98 | 71.75 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |

## 06 41 13 00-0045 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0006)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0046 | EA | 12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 314.57 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0047 | EA | 15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 322.08 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0048 | EA | 18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 338.12 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0049 | EA | 21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 346.70 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0050 | EA | 24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 356.35 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0051 | EA | 30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 373.45 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0052 | EA | 33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 400.11 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0053 | EA | 36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 437.20 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0054 | EA | 39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 466.98 | 71.75 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |

## 06 41 13 00-0055 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0006)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0056 | EA | 12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 327.33 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0057 | EA | 15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 344.41 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0058 | EA | 18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 357.26 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0059 | EA | 21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 371.15 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0060 | EA | 24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 390.38 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0061 | EA | 27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 412.74 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0062 | EA | 30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 432.99 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0063 | EA | 33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 449.03 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0064 | EA | 36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 458.47 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |

## 06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0006)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0066 | EA | 12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 354.62 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0067 | EA | 15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 386.64 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0068 | EA | 18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 413.08 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0069 | EA | 21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 445.13 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0070 | EA | 24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 476.18 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0071 | EA | 27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 522.99 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0072 | EA | 30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 535.79 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0073 | EA | 33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 584.95 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0074 | EA | 36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 602.21 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0075** | | **Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0006)* | | |
| 06 41 13 00-0076 | EA | 12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 400.34 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0077 | EA | 15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 434.49 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0078 | EA | 18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 464.12 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0079 | EA | 21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 498.30 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0080 | EA | 24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 585.70 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0081 | EA | 27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 588.91 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0082 | EA | 30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 610.23 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0083 | EA | 33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 667.89 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0084 | EA | 36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 685.15 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0085** | | **Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0006)* | | |
| 06 41 13 00-0086 | EA | 12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 448.19 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0087 | EA | 15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 489.78 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0088 | EA | 18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 521.53 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0089 | EA | 21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 554.65 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0090 | EA | 24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet | 604.84 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0091 | EA | 27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 646.33 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0092 | EA | 30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 680.41 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0093 | EA | 33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 745.51 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0094 | EA | 36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 768.08 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0095** | | **Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0006)* | | |
| 06 41 13 00-0096 | EA | 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 424.92 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0097 | EA | 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 456.67 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0098 | EA | 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 491.06 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0099 | EA | 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet | 531.49 | 71.75 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0100 | EA | 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet | 629.43 | 88.31 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0101** | | **Utility Cabinets, 84" High** *(06 41 13 00-0006)* | | |
| 06 41 13 00-0102 | EA | 15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet | 810.35 | 49.06 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0103 | EA | 18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet | 917.57 | 58.87 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0104 | EA | 21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet | 1,032.24 | 461.14 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0105 | EA | 24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet | 1,084.18 | 78.50 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0106 | EA | 30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet | 1,315.80 | 98.11 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0107 | EA | 36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet | 1,519.78 | 117.74 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0108 | EA | 15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet | 918.81 | 49.06 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0109 | EA | 18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet | 1,016.46 | 58.87 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0110 | EA | 21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet | 1,161.96 | 68.68 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0111 | EA | 24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet | 1,234.10 | 78.50 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0112 | EA | 30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet | 1,535.91 | 98.11 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0113 | EA | 36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet | 1,757.97 | 117.74 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0114 | | Solid Oak Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)* | | |
| 06 41 13 00-0115 | | Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0114)* | | |
| 06 41 13 00-0116 | EA | 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet | 373.20 | 22.07 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0117 | EA | 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet | 396.84 | 27.59 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0118 | EA | 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet | 415.00 | 33.11 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0119 | EA | 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet | 437.20 | 38.63 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0120 | EA | 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet | 497.08 | 44.15 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0121 | EA | 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet | 520.49 | 49.67 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0122 | EA | 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet | 562.09 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0123 | EA | 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet | 592.78 | 60.71 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0124 | EA | 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet | 611.22 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0125 | EA | 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet | 697.42 | 88.31 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *250.94* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0126 | EA | 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 772.62 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *250.94* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0127 | EA | 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 856.84 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *250.94* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0128 | EA | 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 810.90 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0129 | EA | 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 904.69 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0130 | EA | 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 379.58 | 22.07 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0131 | EA | 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 388.33 | 27.59 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0132 | EA | 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 423.51 | 33.11 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0133 | EA | 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 451.03 | 38.63 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0134 | EA | 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 470.50 | 44.15 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0135 | EA | 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 493.91 | 49.67 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0136 | EA | 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 808.78 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0137 | EA | 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 852.23 | 60.71 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0138 | EA | 36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 896.19 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0139 | EA | 12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 464.65 | 22.07 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0140 | EA | 15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 475.53 | 27.59 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0141 | EA | 18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 516.01 | 33.11 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0142 | EA | 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 548.85 | 38.63 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0143 | EA | 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 576.83 | 44.15 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0144 | EA | 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 606.62 | 49.67 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0145 | EA | 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 848.12 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0146 | EA | 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 896.89 | 60.71 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0147 | EA | 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet | 947.23 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |

## 06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0114)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0149 | EA | 30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet | 334.92 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0150 | EA | 33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet | 357.06 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0151 | EA | 36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet | 393.61 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0152 | EA | 39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet | 420.19 | 71.75 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |

## 06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0114)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0154 | EA | 12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 284.79 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0155 | EA | 15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 291.25 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0156 | EA | 18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 305.15 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0157 | EA | 21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 313.73 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0158 | EA | 24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 322.32 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0159 | EA | 30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 337.29 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0160 | EA | 33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 360.77 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0161 | EA | 36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 393.61 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0162 | EA | 39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 420.19 | 71.75 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |

## 06 41 13 00-0163 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0114)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0164 | EA | 12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 295.43 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0165 | EA | 15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 310.39 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0166 | EA | 18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 322.17 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0167 | EA | 21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 335.00 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0168 | EA | 24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 352.10 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0169 | EA | 27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 372.34 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0170 | EA | 30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 389.40 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0171 | EA | 33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 404.37 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0172 | EA | 36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 412.75 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0173** | | **Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0114)* | | |
| 06 41 13 00-0174 | EA | 12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 321.65 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0175 | EA | 15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 350.49 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0176 | EA | 18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 373.73 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0177 | EA | 21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 401.54 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0178 | EA | 24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 429.39 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0179 | EA | 27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 470.89 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0180 | EA | 30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 482.63 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0181 | EA | 33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 525.40 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0182 | EA | 36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 541.60 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0183** | | **Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0114)* | | |
| 06 41 13 00-0184 | EA | 12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 362.06 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0185 | EA | 15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 391.96 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0186 | EA | 18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 418.39 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0187 | EA | 21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 448.32 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0188 | EA | 24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 526.15 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0189 | EA | 27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 528.30 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0190 | EA | 30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 547.49 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0191 | EA | 33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 598.77 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0192 | EA | 36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 613.90 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0193** | | **Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0114)* | | |
| 06 41 13 00-0194 | EA | 12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 403.53 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0195 | EA | 15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 440.87 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0196 | EA | 18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 469.43 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0197 | EA | 21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 498.30 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0198 | EA | 24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet | 543.16 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0199 | EA | 27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 579.34 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0200 | EA | 30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 609.16 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0201 | EA | 33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 666.83 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0202 | EA | 36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 687.27 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **06 41 13 00-0203** | | **Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0114)* | | |
| 06 41 13 00-0204 | EA | 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 383.45 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0205 | EA | 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 412.01 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0206 | EA | 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 442.15 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0207 | EA | 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet | 478.33 | 71.75 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0208 | EA | 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet | 564.57 | 88.31 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0209** | | **Utility Cabinets, 84" High** *(06 41 13 00-0114)* | | |
| 06 41 13 00-0210 | EA | 15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet | 733.79 | 49.06 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0211 | EA | 18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet | 830.38 | 58.87 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0212 | EA | 21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet | 933.35 | 461.14 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0213 | EA | 24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet | 981.03 | 78.50 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0214 | EA | 30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet | 1,186.08 | 98.11 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0215 | EA | 36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet | 1,367.73 | 117.74 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0216 | EA | 15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet | 829.49 | 49.06 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0217 | EA | 18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet | 917.57 | 58.87 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0218 | EA | 21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet | 1,047.13 | 68.68 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0219 | EA | 24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet | 1,112.89 | 78.50 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0220 | EA | 30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet | 1,379.60 | 98.11 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0221 | EA | 36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet | 1,577.20 | 117.74 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| **06 41 13 00-0222** | | **Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets** *(06 41 13 00-0005)* | | |
| **06 41 13 00-0223** | | **Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0222)* | | |
| 06 41 13 00-0224 | EA | 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet | 373.20 | 22.07 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0225 | EA | 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet | 396.84 | 27.59 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0226 | EA | 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet | 415.00 | 33.11 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0227 | EA | 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet | 437.20 | 38.63 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0228 | EA | 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet | 497.08 | 44.15 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0229 | EA | 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet | 520.49 | 49.67 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0230 | EA | 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet | 562.09 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0231 | EA | 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet | 592.78 | 60.71 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0232 | EA | 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet | 611.22 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0233 | EA | 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet | 697.42 | 88.31 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *250.94* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0234 | EA | 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 772.62 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *250.94* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0235 | EA | 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 856.84 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *250.94* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0236 | EA | 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 810.90 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0237 | EA | 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 904.69 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0238 | EA | 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 379.58 | 22.07 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0239 | EA | 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 388.33 | 27.59 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0240 | EA | 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 423.51 | 33.11 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0241 | EA | 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 451.03 | 38.63 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0242 | EA | 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 470.50 | 44.15 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0243 | EA | 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 493.91 | 49.67 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0244 | EA | 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 808.78 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0245 | EA | 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 852.23 | 60.71 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0246 | EA | 36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 896.19 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0247 | EA | 12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 464.65 | 22.07 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0248 | EA | 15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 475.53 | 27.59 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0249 | EA | 18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 516.01 | 33.11 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0250 | EA | 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 548.85 | 38.63 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0251 | EA | 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 576.83 | 44.15 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0252 | EA | 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 606.62 | 49.67 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0253 | EA | 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 848.12 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0254 | EA | 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 896.89 | 60.71 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0255 | EA | 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet | 947.23 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |

## 06 41 13 00-0256 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0222)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0257 | EA | 30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 334.92 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0258 | EA | 33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 357.06 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0259 | EA | 36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 393.61 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0260 | EA | 39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 420.19 | 71.75 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |

## 06 41 13 00-0261 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0222)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0262 | EA | 12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 284.79 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0263 | EA | 15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 291.25 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0264 | EA | 18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 305.15 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0265 | EA | 21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 313.73 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0266 | EA | 24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 322.32 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0267 | EA | 30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 337.29 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0268 | EA | 33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 360.77 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0269 | EA | 36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 393.61 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0270 | EA | 39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 420.19 | 71.75 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |

## 06 41 13 00-0271 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0222)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0272 | EA | 12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 295.43 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0273 | EA | 15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 310.39 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0274 | EA | 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 322.17 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0275 | EA | 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 335.00 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0276 | EA | 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 352.10 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0277 | EA | 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 372.34 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0278 | EA | 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 389.40 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0279 | EA | 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 404.37 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0280 | EA | 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 412.75 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |

## 06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0222)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0282 | EA | 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 321.65 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0283 | EA | 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 350.49 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0284 | EA | 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 373.73 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0285 | EA | 21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 401.54 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0286 | EA | 24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 429.39 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0287 | EA | 27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 470.89 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0288 | EA | 30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 482.63 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0289 | EA | 33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 525.40 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0290 | EA | 36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 541.60 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |

## 06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0222)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0292 | EA | 12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 362.06 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0293 | EA | 15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 391.96 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0294 | EA | 18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 418.39 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0295 | EA | 21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 448.32 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0296 | EA | 24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 526.15 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0297 | EA | 27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 528.30 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0298 | EA | 30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 547.49 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0299 | EA | 33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 598.77 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0300 | EA | 36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 613.90 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0301 | | Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0222)* | | |
| 06 41 13 00-0302 | EA | 12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 403.53 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0303 | EA | 15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 440.87 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0304 | EA | 18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 469.43 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0305 | EA | 21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 498.30 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0306 | EA | 24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet | 543.16 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0307 | EA | 27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 579.34 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0308 | EA | 30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 609.16 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0309 | EA | 33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 666.83 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0310 | EA | 36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 687.27 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0311 | | Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0222)* | | |
| 06 41 13 00-0312 | EA | 30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 383.45 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0313 | EA | 33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 412.01 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0314 | EA | 36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 442.15 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0315 | EA | 39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 478.33 | 71.75 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0316 | EA | 48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet | 564.57 | 88.31 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0317 | | Utility Cabinets, 84" High *(06 41 13 00-0222)* | | |
| 06 41 13 00-0318 | EA | 15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet | 733.79 | 49.06 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0319 | EA | 18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet | 830.38 | 58.87 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0320 | EA | 21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet | 933.35 | 461.14 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0321 | EA | 24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet | 981.03 | 78.50 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0322 | EA | 30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet | 1,186.08 | 98.11 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0323 | EA | 36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet | 1,367.73 | 117.74 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0324 | EA | 15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet | 829.49 | 49.06 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0325 | EA | 18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet | 917.57 | 58.87 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0326 | EA | 21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet | 1,047.13 | 68.68 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0327 | EA | 24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet | 1,112.89 | 78.50 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0328 | EA | 30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet | 1,379.60 | 98.11 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0329 | EA | 36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet | 1,577.20 | 117.74 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0330 | | Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets *(06 41 13 00-0005)* | | |
| 06 41 13 00-0331 | | Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0330)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0332 | EA | 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet | 373.20 | 22.07 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0333 | EA | 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet | 396.84 | 27.59 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0334 | EA | 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet | 415.00 | 33.11 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0335 | EA | 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet | 437.20 | 38.63 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0336 | EA | 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet | 497.08 | 44.15 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0337 | EA | 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet | 520.49 | 49.67 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0338 | EA | 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet | 562.09 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0339 | EA | 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet | 592.78 | 60.71 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0340 | EA | 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet | 611.22 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *125.47* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0341 | EA | 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet | 697.42 | 88.31 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *250.94* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0342 | EA | 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 772.62 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *250.94* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0343 | EA | 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 856.84 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *250.94* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0344 | EA | 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 810.90 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0345 | EA | 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 904.69 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0346 | EA | 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 379.58 | 22.07 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0347 | EA | 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 388.33 | 27.59 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0348 | EA | 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 423.51 | 33.11 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0349 | EA | 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 451.03 | 38.63 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0350 | EA | 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 470.50 | 44.15 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0351 | EA | 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 493.91 | 49.67 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0352 | EA | 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 808.78 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0353 | EA | 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 852.23 | 60.71 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0354 | EA | 36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 896.19 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *376.42* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0355 | EA | 12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 464.65 | 22.07 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0356 | EA | 15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 475.53 | 27.59 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0357 | EA | 18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 516.01 | 33.11 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0358 | EA | 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 548.85 | 38.63 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0359 | EA | 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 576.83 | 44.15 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0360 | EA | 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 606.62 | 49.67 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0361 | EA | 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 848.12 | 55.19 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0362 | EA | 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 896.89 | 60.71 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |
| 06 41 13 00-0363 | EA | 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet | 947.23 | 66.23 |
| | | *For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add* | *501.89* | |
| | | *For All Plywood Box Construction, Add* | *130.79* | |

## 06 41 13 00-0364 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0330)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0365 | EA | 30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 334.92 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0366 | EA | 33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 357.06 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0367 | EA | 36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 393.61 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0368 | EA | 39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 420.19 | 71.75 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |

## 06 41 13 00-0369 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0330)*

| | | | | |
|---|---|---|---|---|
| 06 41 13 00-0370 | EA | 12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 284.79 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0371 | EA | 15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 291.25 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0372 | EA | 18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 305.15 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0373 | EA | 21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 313.73 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0374 | EA | 24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 322.32 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0375 | EA | 30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 337.29 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0376 | EA | 33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 360.77 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0377 | EA | 36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 393.61 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0378 | EA | 39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 420.19 | 71.75 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0379** | | **Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0330)* | | |
| 06 41 13 00-0380 | EA | 12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 295.43 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0381 | EA | 15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 310.39 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0382 | EA | 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 322.17 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0383 | EA | 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 335.00 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0384 | EA | 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 352.10 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0385 | EA | 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 372.34 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0386 | EA | 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 389.40 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0387 | EA | 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 404.37 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0388 | EA | 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 412.75 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0389** | | **Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0330)* | | |
| 06 41 13 00-0390 | EA | 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 321.65 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0391 | EA | 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 350.49 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0392 | EA | 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 373.73 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0393 | EA | 21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 401.54 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0394 | EA | 24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 429.39 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0395 | EA | 27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 470.89 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0396 | EA | 30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 482.63 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0397 | EA | 33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 525.40 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0398 | EA | 36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 541.60 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0399** | | **Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0330)* | | |
| 06 41 13 00-0400 | EA | 12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 362.06 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0401 | EA | 15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 391.96 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0402 | EA | 18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 418.39 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0403 | EA | 21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 448.32 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0404 | EA | 24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 526.15 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0405 | EA | 27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 528.30 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0406 | EA | 30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 547.49 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0407 | EA | 33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 598.77 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0408 | EA | 36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 613.90 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0409** | | **Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0330)* | | |
| 06 41 13 00-0410 | EA | 12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 403.53 | 22.07 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0411 | EA | 15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 440.87 | 27.59 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0412 | EA | 18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 469.43 | 33.11 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0413 | EA | 21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 498.30 | 38.63 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0414 | EA | 24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet | 543.16 | 44.15 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0415 | EA | 27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 579.34 | 49.70 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0416 | EA | 30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 609.16 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0417 | EA | 33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 666.83 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0418 | EA | 36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 687.27 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0419** | | **Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0330)* | | |
| 06 41 13 00-0420 | EA | 30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 383.45 | 55.19 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0421 | EA | 33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 412.01 | 60.71 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0422 | EA | 36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 442.15 | 66.23 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0423 | EA | 39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 478.33 | 71.75 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| 06 41 13 00-0424 | EA | 48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet | 564.57 | 88.31 |
| | | *For All Plywood Box Construction, Add* | *70.18* | |
| **06 41 13 00-0425** | | **Utility Cabinets, 84" High** *(06 41 13 00-0330)* | | |
| 06 41 13 00-0426 | EA | 15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet | 733.79 | 49.06 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0427 | EA | 18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet | 830.38 | 58.87 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0428 | EA | 21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet | 933.35 | 461.14 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0429 | EA | 24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet | 981.03 | 78.50 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0430 | EA | 30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet | 1,186.08 | 98.11 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0431 | EA | 36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet | 1,367.73 | 117.74 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0432 | EA | 15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet | 829.49 | 49.06 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 41 13 00-0433 | EA | 18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet | 917.57 | 58.87 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0434 | EA | 21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet | 1,047.13 | 68.68 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0435 | EA | 24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet | 1,112.89 | 78.50 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0436 | EA | 30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet | 1,379.60 | 98.11 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |
| 06 41 13 00-0437 | EA | 36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet | 1,577.20 | 117.74 |
| | | *For All Plywood Box Construction, Add* | *259.45* | |

### 06 41 93 Cabinet and Drawer Hardware *(06 41)*

06 41 93 00-0001 Cabinet Hardware *(06 41 93)*

Note: Includes all finishes, and mounting screws.

| | | | | |
|---|---|---|---|---|
| 06 41 93 00-0002 | EA | 4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull | 27.02 | 9.39 |
| 06 41 93 00-0003 | EA | 7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull | 27.94 | 9.39 |
| 06 41 93 00-0004 | EA | 10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull | 29.55 | 9.39 |
| 06 41 93 00-0005 | EA | 3" To 4-1/2", Flat Cabinet Pull Handle | 31.34 | 9.39 |
| 06 41 93 00-0006 | EA | 5" To 6-1/2", Flat Cabinet Pull Handle | 32.26 | 9.39 |
| 06 41 93 00-0007 | EA | 7" To 8-1/2", Flat Cabinet Pull Handle | 42.16 | 9.39 |
| 06 41 93 00-0008 | EA | 12" To 12-1/2", Flat Cabinet Pull Handle | 83.14 | 9.39 |
| 06 41 93 00-0009 | EA | 1-7/16" Diameter, Mushroom Cabinet Pull Knobs | 21.11 | 7.17 |
| 06 41 93 00-0010 | EA | 3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull | 20.95 | 7.17 |
| 06 41 93 00-0011 | EA | 1-1/4" Long, Finger Cabinet Pull | 28.58 | 8.28 |
| 06 41 93 00-0012 | EA | 3" Long, Finger Cabinet Pull | 32.89 | 8.28 |
| 06 41 93 00-0013 | EA | 4" Long, Finger Cabinet Pull | 35.83 | 8.28 |
| 06 41 93 00-0014 | EA | 6" Long, Finger Cabinet Pull | 39.86 | 8.28 |
| 06 41 93 00-0015 | EA | 12" Long, Finger Cabinet Pull | 58.56 | 8.28 |
| 06 41 93 00-0016 | EA | Cabinet Spring Loaded Adjustable Barrel Ball Catch | 41.79 | 11.04 |
| 06 41 93 00-0017 | EA | Cabinet Surface Mounted Square or Matchbook Latch | 61.56 | 11.04 |
| 06 41 93 00-0018 | EA | Cabinet Door or Drawer Mortised Lock With 2 Keys | 163.46 | 16.56 |
| 06 41 93 00-0019 | EA | Cabinet Door or Drawer Bored Lock with 2 Keys | 55.03 | 9.39 |
| 06 41 93 00-0020 | EA | Cabinet Surface Mounted Slide or Barrel Bolt Latch | 37.00 | 9.39 |

## 06 42 Wood Paneling *(06 40)*

Note: Includes glue for installation.

### 06 42 13 Wood Board Paneling *(06 42)*

06 42 13 00-0001 Solid Wood Paneling *(06 42 13)*

06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide *(06 42 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 42 13 00-0003 | SF | Homestead Cedar Paneling Tongue And Groove, 7/16" | 10.77 | 2.32 |
| 06 42 13 00-0004 | SF | Homestead Juniper Paneling Tongue And Groove, 7/16" | 11.36 | 2.32 |

06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide *(06 42 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 42 13 00-0006 | SF | 8" Random Plank Tongue And Groove, 7/16" | 23.77 | 2.20 |
| 06 42 13 00-0007 | SF | 8" Solid Plank Tongue And Groove, 7/16" | 21.62 | 2.20 |

06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide *(06 42 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 42 13 00-0009 | SF | Alder Wood Tongue And Groove Paneling, 1/2" | 12.54 | 2.32 |

06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide *(06 42 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 42 13 00-0011 | SF | 1" Teredo (Driftwood) Wood Shiplap | 7.97 | 1.98 |

### 06 42 16 Flush Wood Paneling *(06 42)*

06 42 16 00-0001 Veneer Hardboard Panels *(06 42 16)*

| | | | | |
|---|---|---|---|---|
| 06 42 16 00-0002 | SF | 1/4" Maple Or Birch Veneer Paneling | 8.64 | 2.00 |
| | | *For Waterproof Glue, Add* | *0.29* | |
| | | *For Ceiling Installation, Add* | *1.37* | |

06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick *(06 42 16)*

06 42 16 00-0004 Birch *(06 42 16 00-0003)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 42 16 00-0005 | SF | 1/4" Unfinished Birch Plywood, Natural Faced With Trim | 5.28 | 1.78 |
| | | *For Waterproof Glue, Add* | *0.09* | |
| | | *For Ceiling Installation, Add* | *1.20* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.44* | |
| | | *For Glue Laminated Installation, Add* | *0.26* | |
| | | *For Lumber Core, Add* | *0.14* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.49* | |
| | | *For 1/2" Thick Paneling, Add* | *1.17* | |
| | | *For 5/8" Thick Paneling, Add* | *1.43* | |
| | | *For 3/4" Thick Paneling, Add* | *1.78* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *1.00* | |
| 06 42 16 00-0006 | SF | 1/4" Unfinished Birch Plywood, Select With Trim | 5.37 | 1.78 |
| | | *For Waterproof Glue, Add* | *0.10* | |
| | | *For Ceiling Installation, Add* | *1.20* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.44* | |
| | | *For Glue Laminated Installation, Add* | *0.27* | |
| | | *For Lumber Core, Add* | *0.15* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.51* | |
| | | *For 1/2" Thick Paneling, Add* | *1.22* | |
| | | *For 5/8" Thick Paneling, Add* | *1.50* | |
| | | *For 3/4" Thick Paneling, Add* | *1.87* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *1.07* | |

## 06 42 16 00-0007 Knotty Pine *(06 42 16 00-0003)*

| | | | | |
|---|---|---|---|---|
| 06 42 16 00-0008 | SF | 1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim | 6.12 | 2.00 |
| | | *For Waterproof Glue, Add* | *0.12* | |
| | | *For Ceiling Installation, Add* | *1.34* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.49* | |
| | | *For Glue Laminated Installation, Add* | *0.31* | |
| | | *For Lumber Core, Add* | *0.18* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.59* | |
| | | *For 1/2" Thick Paneling, Add* | *1.44* | |
| | | *For 5/8" Thick Paneling, Add* | *1.79* | |
| | | *For 3/4" Thick Paneling, Add* | *2.24* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *1.32* | |
| 06 42 16 00-0009 | SF | 1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim | 6.05 | 2.00 |
| | | *For Waterproof Glue, Add* | *0.11* | |
| | | *For Ceiling Installation, Add* | *1.34* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.49* | |
| | | *For Glue Laminated Installation, Add* | *0.30* | |
| | | *For Lumber Core, Add* | *0.18* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.58* | |
| | | *For 1/2" Thick Paneling, Add* | *1.40* | |
| | | *For 5/8" Thick Paneling, Add* | *1.73* | |
| | | *For 3/4" Thick Paneling, Add* | *2.17* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *1.26* | |

## 06 42 16 00-0010 Cedar (Aromatic - Closet Lining) *(06 42 16 00-0003)*

| | | | | |
|---|---|---|---|---|
| 06 42 16 00-0011 | SF | 1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining | 6.07 | 2.23 |
| | | *For Waterproof Glue, Add* | *0.07* | |
| | | *For Ceiling Installation, Add* | *1.50* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.55* | |
| | | *For Glue Laminated Installation, Add* | *0.30* | |
| | | *For Lumber Core, Add* | *0.12* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.53* | |
| | | *For 1/2" Thick Paneling, Add* | *1.18* | |
| | | *For 5/8" Thick Paneling, Add* | *1.40* | |
| | | *For 3/4" Thick Paneling, Add* | *1.69* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *0.85* | |
| 06 42 16 00-0012 | SF | 1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining | 6.14 | 2.23 |
| | | *For Waterproof Glue, Add* | *0.08* | |
| | | *For Ceiling Installation, Add* | *1.50* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.55* | |
| | | *For Glue Laminated Installation, Add* | *0.31* | |
| | | *For Lumber Core, Add* | *0.13* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.54* | |
| | | *For 1/2" Thick Paneling, Add* | *1.22* | |
| | | *For 5/8" Thick Paneling, Add* | *1.46* | |
| | | *For 3/4" Thick Paneling, Add* | *1.76* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *0.90* | |

## 06 42 16 00-0013 Top Grade Plywood Prefinished With Trim 1/4" Thick *(06 42 16)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 42 16 00-0014 | SF | 1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim | 5.86 | 2.00 |
| | | *For Flitch Matched Veneer, Add* | *0.71* | |
| | | *For Second Grade Veneer, Deduct* | *-0.14* | |
| | | *For Third Grade Veneer, Deduct* | *-0.21* | |
| | | *For Waterproof Glue, Add* | *0.10* | |
| | | *For Ceiling Installation, Add* | *1.34* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.49* | |
| | | *For Glue Laminated Installation, Add* | *0.29* | |
| | | *For Lumber Core, Add* | *0.16* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.55* | |
| | | *For 1/2" Thick Paneling, Add* | *1.30* | |
| | | *For 5/8" Thick Paneling, Add* | *1.59* | |
| | | *For 3/4" Thick Paneling, Add* | *1.97* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *1.11* | |
| 06 42 16 00-0015 | SF | 1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim | 6.49 | 2.00 |
| | | *For Flitch Matched Veneer, Add* | *1.02* | |
| | | *For Second Grade Veneer, Deduct* | *-0.20* | |
| | | *For Third Grade Veneer, Deduct* | *-0.31* | |
| | | *For Waterproof Glue, Add* | *0.14* | |
| | | *For Ceiling Installation, Add* | *1.34* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.49* | |
| | | *For Glue Laminated Installation, Add* | *0.32* | |
| | | *For Lumber Core, Add* | *0.22* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.65* | |
| | | *For 1/2" Thick Paneling, Add* | *1.64* | |
| | | *For 5/8" Thick Paneling, Add* | *2.06* | |
| | | *For 3/4" Thick Paneling, Add* | *2.61* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *1.61* | |
| 06 42 16 00-0016 | SF | 1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim | 9.72 | 2.00 |
| | | *For Flitch Matched Veneer, Add* | *2.20* | |
| | | *For Second Grade Veneer, Deduct* | *-0.44* | |
| | | *For Third Grade Veneer, Deduct* | *-0.66* | |
| | | *For Waterproof Glue, Add* | *0.31* | |
| | | *For Ceiling Installation, Add* | *1.60* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.59* | |
| | | *For Glue Laminated Installation, Add* | *0.49* | |
| | | *For Lumber Core, Add* | *0.48* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-1.11* | |
| | | *For 1/2" Thick Paneling, Add* | *3.01* | |
| | | *For 5/8" Thick Paneling, Add* | *3.93* | |
| | | *For 3/4" Thick Paneling, Add* | *5.12* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *3.47* | |
| 06 42 16 00-0017 | SF | 1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim | 4.93 | 2.00 |
| | | *For Flitch Matched Veneer, Add* | *0.47* | |
| | | *For Second Grade Veneer, Deduct* | *-0.09* | |
| | | *For Third Grade Veneer, Deduct* | *-0.14* | |
| | | *For Waterproof Glue, Add* | *0.07* | |
| | | *For Ceiling Installation, Add* | *1.20* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.44* | |
| | | *For Glue Laminated Installation, Add* | *0.25* | |
| | | *For Lumber Core, Add* | *0.10* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.44* | |
| | | *For 1/2" Thick Paneling, Add* | *0.98* | |
| | | *For 5/8" Thick Paneling, Add* | *1.18* | |
| | | *For 3/4" Thick Paneling, Add* | *1.43* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *0.73* | |
| 06 42 16 00-0018 | SF | 1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim | 8.53 | 2.00 |
| | | *For Flitch Matched Veneer, Add* | *1.77* | |
| | | *For Second Grade Veneer, Deduct* | *-0.35* | |
| | | *For Third Grade Veneer, Deduct* | *-0.53* | |
| | | *For Waterproof Glue, Add* | *0.25* | |
| | | *For Ceiling Installation, Add* | *1.50* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.55* | |
| | | *For Glue Laminated Installation, Add* | *0.43* | |
| | | *For Lumber Core, Add* | *0.39* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.94* | |
| | | *For 1/2" Thick Paneling, Add* | *2.51* | |
| | | *For 5/8" Thick Paneling, Add* | *3.25* | |
| | | *For 3/4" Thick Paneling, Add* | *4.20* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *2.79* | |
| 06 42 16 00-0019 | SF | 1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim | 6.01 | 2.00 |
| | | *For Flitch Matched Veneer, Add* | *0.78* | |
| | | *For Second Grade Veneer, Deduct* | *-0.16* | |
| | | *For Third Grade Veneer, Deduct* | *-0.23* | |
| | | *For Waterproof Glue, Add* | *0.11* | |
| | | *For Ceiling Installation, Add* | *1.34* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.49* | |
| | | *For Glue Laminated Installation, Add* | *0.30* | |
| | | *For Lumber Core, Add* | *0.17* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.57* | |
| | | *For 1/2" Thick Paneling, Add* | *1.38* | |
| | | *For 5/8" Thick Paneling, Add* | *1.70* | |
| | | *For 3/4" Thick Paneling, Add* | *2.13* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *1.23* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 42 16 00-0020 | SF | 1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim | 7.07 | 2.00 |
| | | *For Flitch Matched Veneer, Add* | *1.04* | |
| | | *For Second Grade Veneer, Deduct* | *-0.21* | |
| | | *For Third Grade Veneer, Deduct* | *-0.31* | |
| | | *For Waterproof Glue, Add* | *0.14* | |
| | | *For Ceiling Installation, Add* | *1.50* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.55* | |
| | | *For Glue Laminated Installation, Add* | *0.35* | |
| | | *For Lumber Core, Add* | *0.23* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.70* | |
| | | *For 1/2" Thick Paneling, Add* | *1.72* | |
| | | *For 5/8" Thick Paneling, Add* | *2.15* | |
| | | *For 3/4" Thick Paneling, Add* | *2.71* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *1.64* | |
| 06 42 16 00-0021 | SF | 1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim | 11.25 | 2.00 |
| | | *For Flitch Matched Veneer, Add* | *2.50* | |
| | | *For Second Grade Veneer, Deduct* | *-0.50* | |
| | | *For Third Grade Veneer, Deduct* | *-0.75* | |
| | | *For Waterproof Glue, Add* | *0.35* | |
| | | *For Ceiling Installation, Add* | *1.88* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.69* | |
| | | *For Glue Laminated Installation, Add* | *0.56* | |
| | | *For Lumber Core, Add* | *0.55* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-1.27* | |
| | | *For 1/2" Thick Paneling, Add* | *3.45* | |
| | | *For 5/8" Thick Paneling, Add* | *4.50* | |
| | | *For 3/4" Thick Paneling, Add* | *5.85* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *3.95* | |
| 06 42 16 00-0022 | SF | 1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim | 8.52 | 2.00 |
| | | *For Flitch Matched Veneer, Add* | *1.76* | |
| | | *For Second Grade Veneer, Deduct* | *-0.35* | |
| | | *For Third Grade Veneer, Deduct* | *-0.53* | |
| | | *For Waterproof Glue, Add* | *0.25* | |
| | | *For Ceiling Installation, Add* | *1.50* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.55* | |
| | | *For Glue Laminated Installation, Add* | *0.43* | |
| | | *For Lumber Core, Add* | *0.39* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.94* | |
| | | *For 1/2" Thick Paneling, Add* | *2.50* | |
| | | *For 5/8" Thick Paneling, Add* | *3.24* | |
| | | *For 3/4" Thick Paneling, Add* | *4.19* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *2.78* | |
| 06 42 16 00-0023 | SF | 1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim | 7.45 | 2.00 |
| | | *For Flitch Matched Veneer, Add* | *1.50* | |
| | | *For Second Grade Veneer, Deduct* | *-0.30* | |
| | | *For Third Grade Veneer, Deduct* | *-0.45* | |
| | | *For Waterproof Glue, Add* | *0.21* | |
| | | *For Ceiling Installation, Add* | *1.34* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.49* | |
| | | *For Glue Laminated Installation, Add* | *0.37* | |
| | | *For Lumber Core, Add* | *0.33* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.81* | |
| | | *For 1/2" Thick Paneling, Add* | *2.15* | |
| | | *For 5/8" Thick Paneling, Add* | *2.78* | |
| | | *For 3/4" Thick Paneling, Add* | *3.59* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *2.37* | |
| 06 42 16 00-0024 | SF | 1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim | 6.05 | 2.00 |
| | | *For Flitch Matched Veneer, Add* | *0.80* | |
| | | *For Second Grade Veneer, Deduct* | *-0.16* | |
| | | *For Third Grade Veneer, Deduct* | *-0.24* | |
| | | *For Waterproof Glue, Add* | *0.11* | |
| | | *For Ceiling Installation, Add* | *1.34* | |
| | | *For Installation On Metal Studs Or Furring, Add* | *0.49* | |
| | | *For Glue Laminated Installation, Add* | *0.30* | |
| | | *For Lumber Core, Add* | *0.18* | |
| | | *For 1/8" Thick Paneling, Deduct* | *-0.58* | |
| | | *For 1/2" Thick Paneling, Add* | *1.40* | |
| | | *For 5/8" Thick Paneling, Add* | *1.73* | |
| | | *For 3/4" Thick Paneling, Add* | *2.17* | |
| | | *For Fire Retardant Treatment (Class I), Add* | *1.26* | |
| 06 42 16 00-0025 | | Accessories *(06 42 16)* | | |
| 06 42 16 00-0026 | EA | Aluminum Panel Retainer "J" With Bolt | 41.24 | |

### 06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

| | | | | |
|---|---|---|---|---|
| 06 42 19 00-0001 | | Plastic Laminate *(06 42 19)*<br>Note: Standard colors and patterns. | | |
| 06 42 19 00-0002 | SF | 1/16" Plastic Laminate Faced Panel<br>Note: Includes cutting to fit. | 11.12 | 3.87 |

## 06 43 Wood Stairs and Railings *(06 40)*


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **06 43 13** | | **Wood Stairs** *(06 43)* | | |
| 06 43 13 00-0001 | | Stair Parts *(06 43 13)* | | |
| 06 43 13 00-0002 | EA | 30" Baluster, Pine | 57.41 | 22.40 |
| 06 43 13 00-0003 | EA | 30" Baluster, Birch | 68.29 | 22.40 |
| 06 43 13 00-0004 | EA | 42" Baluster, Pine | 65.04 | 23.17 |
| 06 43 13 00-0005 | EA | 42" Baluster, Birch | 76.65 | 23.17 |
| 06 43 13 00-0006 | EA | 3-1/4" Wide Newels, Starting | 343.54 | 88.05 |
| 06 43 13 00-0007 | EA | 3-1/4" Wide Newels, Landing | 503.18 | 123.57 |
| 06 43 13 00-0008 | LF | Oak Gooseneck, 1 Riser | 204.26 | 77.24 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *25.36* | |
| 06 43 13 00-0009 | LF | Oak Gooseneck, 2 Riser | 239.72 | 84.85 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *27.87* | |
| 06 43 13 00-0010 | LF | Oak Handrail, 2-1/2" x 3" With Quarter Turn | 41.85 | 11.59 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *3.80* | |
| 06 43 13 00-0011 | LF | 1-1/16" x 9-1/2" Oak Stair Tread | 55.05 | 6.51 |
| | | *For Beech, Add* | *12.63* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *2.98* | |
| 06 43 13 00-0012 | LF | 1-1/16" x 11-1/2" Oak Stair Tread | 67.03 | 6.51 |
| | | *For Beech, Add* | *16.22* | |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *2.98* | |
| 06 43 13 00-0013 | LF | 1-1/16" x 11-1/2" Pine Stair Tread | 29.93 | 6.51 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *2.98* | |
| 06 43 13 00-0014 | LF | 3/4" x 7-1/2" High Beech Riser | 41.10 | 6.73 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *3.11* | |
| 06 43 13 00-0015 | LF | 3/4" x 7-1/2" High Oak Riser | 38.56 | 6.73 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *3.11* | |
| 06 43 13 00-0016 | LF | 3/4" x 7-1/2" High Fir Riser | 22.22 | 6.73 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *3.11* | |
| 06 43 13 00-0017 | LF | 3/4" x 7-1/2" High Pine Riser | 21.42 | 6.73 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *3.11* | |
| 06 43 13 00-0018 | SF | Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing | 45.81 | |
| 06 43 13 00-0019 | | Interior Box Stairs *(06 43 13)* | | |
| | | Note: Factory cut and assembled straight closed box stairs, unfinished. | | |
| 06 43 13 00-0020 | EA | 30" Wide Pine Box Stair, Per Riser | 302.19 | 67.19 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *22.08* | |
| | | *For Prefinished Stair Rail With Balusters And Newel, Add* | *72.79* | |
| | | *For Each LF Of Prefinished Handrail, Brackets And Baluster, Add* | *24.00* | |
| | | *For Oak Or Maple Treads, Add* | *92.79* | |
| 06 43 13 00-0021 | EA | 32" Wide Pine Box Stair, Per Riser | 320.61 | 68.74 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *22.58* | |
| | | *For Prefinished Stair Rail With Balusters And Newel, Add* | *73.45* | |
| | | *For Each LF Of Prefinished Handrail, Brackets And Baluster, Add* | *24.27* | |
| | | *For Oak Or Maple Treads, Add* | *100.10* | |
| 06 43 13 00-0022 | EA | 34" Wide Pine Box Stair, Per Riser | 337.98 | 69.51 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *22.84* | |
| | | *For Prefinished Stair Rail With Balusters And Newel, Add* | *73.79* | |
| | | *For Each LF Of Prefinished Handrail, Brackets And Baluster, Add* | *24.41* | |
| | | *For Oak Or Maple Treads, Add* | *107.41* | |
| 06 43 13 00-0023 | EA | 36" Wide Pine Box Stair, Per Riser | 358.11 | 70.28 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *23.09* | |
| | | *For Prefinished Stair Rail With Balusters And Newel, Add* | *74.11* | |
| | | *For Each LF Of Prefinished Handrail, Brackets And Baluster, Add* | *24.55* | |
| | | *For Oak Or Maple Treads, Add* | *115.98* | |
| 06 43 13 00-0024 | EA | 38" Wide Pine Box Stair, Per Riser | 369.98 | 71.06 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *23.34* | |
| | | *For Prefinished Stair Rail With Balusters And Newel, Add* | *74.44* | |
| | | *For Each LF Of Prefinished Handrail, Brackets And Baluster, Add* | *24.69* | |
| | | *For Oak Or Maple Treads, Add* | *120.83* | |
| 06 43 13 00-0025 | EA | 40" Wide Pine Box Stair, Per Riser | 382.96 | 72.60 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *23.85* | |
| | | *For Prefinished Stair Rail With Balusters And Newel, Add* | *75.11* | |
| | | *For Each LF Of Prefinished Handrail, Brackets And Baluster, Add* | *24.96* | |
| | | *For Oak Or Maple Treads, Add* | *125.67* | |
| 06 43 13 00-0026 | EA | 42" Wide Pine Box Stair, Per Riser | 394.83 | 73.37 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *24.10* | |
| | | *For Prefinished Stair Rail With Balusters And Newel, Add* | *75.44* | |
| | | *For Each LF Of Prefinished Handrail, Brackets And Baluster, Add* | *25.10* | |
| | | *For Oak Or Maple Treads, Add* | *130.51* | |
| 06 43 13 00-0027 | EA | 44" Wide Pine Box Stair, Per Riser | 406.71 | 74.15 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *24.36* | |
| | | *For Prefinished Stair Rail With Balusters And Newel, Add* | *75.78* | |
| | | *For Each LF Of Prefinished Handrail, Brackets And Baluster, Add* | *25.24* | |
| | | *For Oak Or Maple Treads, Add* | *135.36* | |
| 06 43 13 00-0028 | EA | 46" Wide Pine Box Stair, Per Riser | 418.55 | 74.92 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *24.61* | |
| | | *For Prefinished Stair Rail With Balusters And Newel, Add* | *76.10* | |
| | | *For Each LF Of Prefinished Handrail, Brackets And Baluster, Add* | *25.37* | |
| | | *For Oak Or Maple Treads, Add* | *140.20* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 43 13 00-0029 | EA | 48" Wide Pine Box Stair, Per Riser | 432.53 | 77.24 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *25.38* | |
| | | *For Prefinished Stair Rail With Balusters And Newel, Add* | *77.10* | |
| | | *For Each LF Of Prefinished Handrail, Brackets And Baluster, Add* | *25.79* | |
| | | *For Oak Or Maple Treads, Add* | *144.99* | |

### 06 43 16 Wood Railings *(06 43)*

06 43 16 00-0001 Handrails *(06 43 16)*

06 43 16 00-0002 Wood Handrail With Brackets *(06 43 16 00-0001)*

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

| | | | | |
|---|---|---|---|---|
| 06 43 16 00-0003 | LF | 1-1/2" x 1-11/16", Wood Handrail With Brackets | 18.85 | 5.52 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *2.54* | |
| 06 43 16 00-0004 | LF | 1-7/8" x 2-5/8", Wood Handrail With Brackets | 20.43 | 5.52 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *2.54* | |
| 06 43 16 00-0005 | LF | 1-1/2" Diameter, Wood Handrail With Brackets | 25.69 | 5.52 |
| 06 43 16 00-0006 | LF | 1-3/4" Diameter, Wood Handrail With Brackets | 27.00 | 5.52 |
| 06 43 16 00-0007 | LF | 2" Diameter, Wood Handrail With Brackets | 31.73 | 5.52 |
| 06 43 16 00-0008 | LF | 2-1/2" Diameter, Wood Handrail With Brackets | 46.34 | 5.52 |

## 06 44 Ornamental Woodwork *(06 40)*

### 06 44 39 Wood Posts and Columns *(06 44)*

06 44 39 00-0001 Columns *(06 44 39)*

06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

| | | | | |
|---|---|---|---|---|
| 06 44 39 00-0003 | LF | 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base | 76.73 | 7.10 |
| 06 44 39 00-0004 | LF | 8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base | 95.87 | 10.37 |
| 06 44 39 00-0005 | LF | 10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base | 117.72 | 12.00 |
| 06 44 39 00-0006 | LF | 12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base | 141.13 | 12.55 |
| 06 44 39 00-0007 | LF | 14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base | 316.76 | 14.19 |
| 06 44 39 00-0008 | LF | 16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base | 368.14 | 15.28 |
| 06 44 39 00-0009 | LF | 18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base | 443.41 | 16.37 |
| 06 44 39 00-0010 | LF | 20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base | 529.65 | 17.47 |
| 06 44 39 00-0011 | LF | 6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base | 88.47 | 7.10 |
| 06 44 39 00-0012 | LF | 8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base | 105.28 | 10.37 |
| 06 44 39 00-0013 | LF | 10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base | 130.72 | 12.00 |
| 06 44 39 00-0014 | LF | 12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base | 155.03 | 12.55 |
| 06 44 39 00-0015 | LF | 14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base | 345.00 | 14.19 |
| 06 44 39 00-0016 | LF | 16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base | 469.46 | 15.28 |
| 06 44 39 00-0017 | LF | 18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base | 506.17 | 16.37 |
| 06 44 39 00-0018 | LF | 20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base | 569.99 | 17.47 |

06 44 39 00-0019 Pine Colonial Columns, Round Non-Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

| | | | | |
|---|---|---|---|---|
| 06 44 39 00-0020 | LF | 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base | 92.51 | 7.10 |
| 06 44 39 00-0021 | LF | 8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 113.80 | 10.37 |
| 06 44 39 00-0022 | LF | 10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 141.03 | 12.00 |
| 06 44 39 00-0023 | LF | 12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 170.27 | 12.55 |
| 06 44 39 00-0024 | LF | 14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 389.88 | 14.19 |
| 06 44 39 00-0025 | LF | 16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 453.77 | 15.28 |
| 06 44 39 00-0026 | LF | 18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 547.55 | 16.37 |
| 06 44 39 00-0027 | LF | 20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 655.08 | 17.47 |
| 06 44 39 00-0028 | LF | 6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 107.21 | 7.10 |
| 06 44 39 00-0029 | LF | 8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 126.67 | 10.37 |
| 06 44 39 00-0030 | LF | 10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 157.89 | 12.00 |
| 06 44 39 00-0031 | LF | 12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 188.12 | 12.55 |
| 06 44 39 00-0032 | LF | 14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 425.25 | 14.19 |
| 06 44 39 00-0033 | LF | 16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 580.78 | 15.28 |
| 06 44 39 00-0034 | LF | 18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 626.23 | 16.37 |
| 06 44 39 00-0035 | LF | 20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base | 705.70 | 17.47 |

06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

| | | | | |
|---|---|---|---|---|
| 06 44 39 00-0037 | LF | 6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base | 82.31 | 7.10 |
| 06 44 39 00-0038 | LF | 8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base | 102.58 | 10.37 |
| 06 44 39 00-0039 | LF | 10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base | 126.16 | 12.00 |
| 06 44 39 00-0040 | LF | 12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base | 151.59 | 12.55 |
| 06 44 39 00-0041 | LF | 6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base | 95.11 | 7.10 |
| 06 44 39 00-0042 | LF | 8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base | 112.84 | 10.37 |
| 06 44 39 00-0043 | LF | 10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base | 140.33 | 12.00 |
| 06 44 39 00-0044 | LF | 12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base | 166.73 | 12.55 |

06 44 39 00-0045 Redwood Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed redwood.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 44 39 00-0046 | LF | 6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base | 129.27 | 7.10 |
| 06 44 39 00-0047 | LF | 8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base | 155.05 | 10.37 |
| 06 44 39 00-0048 | LF | 10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base | 193.48 | 12.00 |
| 06 44 39 00-0049 | LF | 12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base | 237.07 | 12.55 |
| 06 44 39 00-0050 | LF | 6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base | 148.99 | 7.10 |
| 06 44 39 00-0051 | LF | 8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base | 176.12 | 10.37 |
| 06 44 39 00-0052 | LF | 10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base | 218.14 | 12.00 |
| 06 44 39 00-0053 | LF | 12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base | 269.35 | 12.55 |

### 06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin *(06 44 39 00-0001)*

Note: For tapered wood columns.

| | | | | |
|---|---|---|---|---|
| 06 44 39 00-0055 | EA | 6" Resin Corinthian Capital And Base | 406.06 | 14.74 |
| 06 44 39 00-0056 | EA | 8" Resin Corinthian Capital And Base | 615.56 | 16.37 |
| 06 44 39 00-0057 | EA | 10" Resin Corinthian Capital And Base | 858.62 | 19.10 |
| 06 44 39 00-0058 | EA | 12" Resin Corinthian Capital And Base | 1,097.20 | 21.83 |
| 06 44 39 00-0059 | EA | 6" Resin Greek Erectheum Cap And Base | 361.22 | 14.74 |
| 06 44 39 00-0060 | EA | 8" Resin Greek Erectheum Cap And Base | 503.48 | 16.37 |
| 06 44 39 00-0061 | EA | 10" Resin Greek Erectheum Cap And Base | 625.50 | 19.10 |
| 06 44 39 00-0062 | EA | 12" Resin Greek Erectheum Cap And Base | 819.25 | 21.83 |
| 06 44 39 00-0063 | EA | 6" Resin Roman Ionic Capital And Base | 380.25 | 15.28 |
| 06 44 39 00-0064 | EA | 8" Resin Roman Ionic Capital And Base | 503.48 | 16.37 |
| 06 44 39 00-0065 | EA | 10" Resin Roman Ionic Capital And Base | 625.50 | 19.10 |
| 06 44 39 00-0066 | EA | 12" Resin Roman Ionic Capital And Base | 796.83 | 21.83 |
| 06 44 39 00-0067 | EA | 6" Resin Scamozzi Capital And Base | 384.73 | 15.28 |
| 06 44 39 00-0068 | EA | 8" Resin Scamozzi Capital And Base | 548.31 | 16.37 |
| 06 44 39 00-0069 | EA | 10" Resin Scamozzi Capital And Base | 647.91 | 19.10 |
| 06 44 39 00-0070 | EA | 12" Resin Scamozzi Capital And Base | 890.98 | 21.83 |
| 06 44 39 00-0071 | EA | 6" Resin Temple Of Winds Cap And Base | 384.73 | 15.28 |
| 06 44 39 00-0072 | EA | 8" Resin Temple Of Winds Cap And Base | 597.63 | 16.37 |
| 06 44 39 00-0073 | EA | 10" Resin Temple Of Winds Cap And Base | 791.38 | 19.10 |
| 06 44 39 00-0074 | EA | 12" Resin Temple Of Winds Cap And Base | 980.64 | 21.83 |

### 06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster *(06 44 39 00-0001)*

Note: For tapered wood columns.

| | | | | |
|---|---|---|---|---|
| 06 44 39 00-0076 | EA | 6" Plaster Corinthian Capital And Base | 822.99 | 14.74 |
| 06 44 39 00-0077 | EA | 8" Plaster Corinthian Capital And Base | 924.90 | 16.37 |
| 06 44 39 00-0078 | EA | 10" Plaster Corinthian Capital And Base | 1,176.92 | 19.10 |
| 06 44 39 00-0079 | EA | 12" Plaster Corinthian Capital And Base | 1,294.46 | 21.83 |
| 06 44 39 00-0080 | EA | 6" Plaster Greek Erectheum Cap And Base | 545.03 | 14.74 |
| 06 44 39 00-0081 | EA | 8" Plaster Greek Erectheum Cap And Base | 633.49 | 16.37 |
| 06 44 39 00-0082 | EA | 10" Plaster Greek Erectheum Cap And Base | 782.41 | 19.10 |
| 06 44 39 00-0083 | EA | 12" Plaster Greek Erectheum Cap And Base | 985.12 | 21.83 |
| 06 44 39 00-0084 | EA | 6" Plaster Roman Ionic Capital And Base | 523.71 | 15.28 |
| 06 44 39 00-0085 | EA | 8" Plaster Roman Ionic Capital And Base | 687.29 | 16.37 |
| 06 44 39 00-0086 | EA | 10" Plaster Roman Ionic Capital And Base | 831.73 | 19.10 |
| 06 44 39 00-0087 | EA | 12" Plaster Roman Ionic Capital And Base | 985.12 | 21.83 |
| 06 44 39 00-0088 | EA | 6" Plaster Scamozzi Capital And Base | 622.34 | 15.28 |
| 06 44 39 00-0089 | EA | 8" Plaster Scamozzi Capital And Base | 826.27 | 16.37 |
| 06 44 39 00-0090 | EA | 10" Plaster Scamozzi Capital And Base | 930.35 | 19.10 |
| 06 44 39 00-0091 | EA | 12" Plaster Scamozzi Capital And Base | 1,182.38 | 21.83 |
| 06 44 39 00-0092 | EA | 6" Plaster Temple Of Winds Cap And Base | 523.71 | 15.28 |
| 06 44 39 00-0093 | EA | 8" Plaster Temple Of Winds Cap And Base | 678.32 | 16.37 |
| 06 44 39 00-0094 | EA | 10" Plaster Temple Of Winds Cap And Base | 885.53 | 19.10 |
| 06 44 39 00-0095 | EA | 12" Plaster Temple Of Winds Cap And Base | 1,133.07 | 21.83 |
| 06 44 39 00-0096 | EA | 6" Plaster Empire Capital And Base | 590.95 | 15.28 |
| 06 44 39 00-0097 | EA | 8" Plaster Empire Capital And Base | 723.16 | 16.37 |
| 06 44 39 00-0098 | EA | 10" Plaster Empire Capital And Base | 881.04 | 19.10 |
| 06 44 39 00-0099 | EA | 12" Plaster Empire Capital And Base | 985.12 | 21.83 |

## 06 46 Wood Trim *(06 40)*

### 06 46 13 Wood Door and Window Casings *(06 46)*

#### 06 46 13 00-0001 Door and Window Casings *(06 46 13)*

| | | | | |
|---|---|---|---|---|
| 06 46 13 00-0002 | LF | 1-1/8" Wide Plain Pine Door And Window Molding | 5.30 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.91* | |
| 06 46 13 00-0003 | LF | 1-1/8" Wide Detailed Pine Door And Window Molding | 5.35 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.91* | |
| 06 46 13 00-0004 | LF | 2-1/2" Wide Pine Complete Door And Window Trim | 6.81 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.91* | |

### 06 46 19 Wood Base and Shoe Moldings *(06 46)*

#### 06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

| | | | | |
|---|---|---|---|---|
| 06 46 19 00-0002 | LF | 1/2" x 1/2" Pine Quarter Round Trim | 5.43 | 2.09 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 19 00-0003 | LF | 3/4" x 3/4" Pine Quarter Round Trim | 5.85 | 2.09 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 19 00-0004 | LF | 3-1/2" High White Pine Base Molding, All Dimensions Are Nominal | 7.08 | 1.33 |
| | | *For Clear Birch, Add* | *0.85* | |
| | | *For Clear Mahogany, Oak, Maple Or Walnut, Add* | *1.64* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.48* | |
| | | *For Clear Poplar, Add* | *0.53* | |
| 06 46 19 00-0005 | LF | 4-1/2" High White Pine Base Molding, All Dimensions Are Nominal | 8.59 | 1.65 |
| | | *For Clear Birch, Add* | *0.98* | |
| | | *For Clear Mahogany, Oak, Maple Or Walnut, Add* | *1.93* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.55* | |
| | | *For Clear Poplar, Add* | *0.61* | |
| 06 46 19 00-0006 | LF | 5-1/2" High White Pine Base Molding, All Dimensions Are Nominal | 10.82 | 1.87 |
| | | *For Clear Birch, Add* | *1.52* | |
| | | *For Clear Mahogany, Oak, Maple Or Walnut, Add* | *2.74* | |
| | | *For Stain Grade Material (No Finger Joints), Add* | *0.86* | |
| | | *For Clear Poplar, Add* | *0.95* | |
| 06 46 19 00-0007 | LF | 3/4" x 1" Oak Base Shoe | 6.93 | 2.09 |
| 06 46 19 00-0008 | LF | 3/4" x 1" White Pine Base Shoe, Stain Grade | 6.69 | 2.09 |
| 06 46 19 00-0009 | LF | 3/4" x 1" White Pine Base Shoe, Paint Grade | 6.15 | 2.09 |

## 06 46 23 Wood Chair Rails *(06 46)*

### 06 46 23 00-0001 Chair Rails *(06 46 23)*

| | | | | |
|---|---|---|---|---|
| 06 46 23 00-0002 | LF | 5/8" x 2-1/2" White Pine Shaped Chair Rail | 8.79 | 1.98 |
| | | *For Birch, Add* | *1.40* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *2.41* | |
| | | *For Poplar, Add* | *0.88* | |
| 06 46 23 00-0003 | LF | 5/8" x 3-1/2" White Pine Shaped Chair Rail | 11.00 | 1.98 |
| | | *For Birch, Add* | *2.11* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *3.41* | |
| | | *For Poplar, Add* | *1.32* | |
| 06 46 23 00-0004 | LF | 1/2" x 1-5/8" White Pine Shaped Chair Rail | 6.51 | 1.98 |
| | | *For Birch, Add* | *1.02* | |
| | | *For Mahogany, Oak, Maple Or Walnut, Add* | *1.77* | |
| | | *For Poplar, Add* | *0.64* | |

## 06 46 26 Wood Cornices *(06 46)*

### 06 46 26 00-0001 Wood Cornices *(06 46 26)*

| | | | | |
|---|---|---|---|---|
| 06 46 26 00-0002 | LF | 1" x 2" White Pine Cornices, All Dimensions Are Nominal | 6.40 | 1.98 |
| | | *For Birch, Add* | *0.72* | |
| | | *For Mahogany, Oak, Maple, Or Walnut, Add* | *1.34* | |
| | | *For Poplar, Add* | *0.90* | |
| 06 46 26 00-0003 | LF | 1" x 4" White Pine Cornices, All Dimensions Are Nominal | 8.20 | 2.09 |
| | | *For Birch, Add* | *1.30* | |
| | | *For Mahogany, Oak, Maple, Or Walnut, Add* | *2.08* | |
| | | *For Poplar, Add* | *1.62* | |
| 06 46 26 00-0004 | LF | 1" x 6" White Pine Cornices, All Dimensions Are Nominal | 11.67 | 2.20 |
| | | *For Birch, Add* | *2.47* | |
| | | *For Mahogany, Oak, Maple, Or Walnut, Add* | *3.57* | |
| | | *For Poplar, Add* | *3.09* | |
| 06 46 26 00-0005 | LF | 1" x 8" White Pine Cornices, All Dimensions Are Nominal | 13.54 | 2.20 |
| | | *For Birch, Add* | *3.07* | |
| | | *For Mahogany, Oak, Maple, Or Walnut, Add* | *4.34* | |
| | | *For Poplar, Add* | *3.84* | |
| 06 46 26 00-0006 | LF | 1" x 10" White Pine Cornices, All Dimensions Are Nominal | 15.72 | 2.32 |
| | | *For Birch, Add* | *3.77* | |
| | | *For Mahogany, Oak, Maple, Or Walnut, Add* | *5.24* | |
| | | *For Poplar, Add* | *4.71* | |
| 06 46 26 00-0007 | LF | 1" x 12" White Pine Cornices, All Dimensions Are Nominal | 20.42 | 2.54 |
| | | *For Birch, Add* | *5.36* | |
| | | *For Mahogany, Oak, Maple, Or Walnut, Add* | *7.26* | |
| | | *For Poplar, Add* | *6.71* | |

## 06 46 29 Wood Fasciae and Soffits *(06 46)*

### 06 46 29 00-0001 Fascia Board *(06 46 29)*

### 06 46 29 00-0002 Pine Fascia Board *(06 46 29 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 46 29 00-0003 | LF | 1" x 6" Pine Fascia Board | 5.14 | 2.20 |
| 06 46 29 00-0004 | LF | 1" x 8" Pine Fascia Board | 5.87 | 2.45 |
| 06 46 29 00-0005 | LF | 1" x 10" Pine Fascia Board | 6.34 | 2.57 |
| 06 46 29 00-0006 | LF | 1" x 12" Pine Fascia Board | 7.45 | 2.88 |
| 06 46 29 00-0007 | LF | 2" x 6" Pine Fascia Board | 5.08 | 2.20 |
| 06 46 29 00-0008 | LF | 2" x 8" Pine Fascia Board | 5.79 | 2.45 |
| 06 46 29 00-0009 | LF | 2" x 10" Pine Fascia Board | 6.45 | 2.57 |
| 06 46 29 00-0010 | LF | 2" x 12" Pine Fascia Board | 7.78 | 2.88 |
| 06 46 29 00-0011 | LF | 2" x 6" Trim, Exterior, Pine, Resawn Fascia | 7.04 | 2.20 |
| 06 46 29 00-0012 | LF | 2" x 8" Trim, Exterior, Pine, Resawn Fascia | 8.37 | 2.45 |
| 06 46 29 00-0013 | LF | 2" x 10" Trim, Exterior, Pine, Resawn Fascia | 9.56 | 2.57 |
| 06 46 29 00-0014 | LF | 2" x 12" Trim, Exterior, Pine, Resawn Fascia | 12.42 | 2.88 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **06 46 29 00-0015** | | **Cedar Fascia Board** *(06 46 29 00-0001)* | | |
| 06 46 29 00-0016 | LF | 1" x 6" Cedar Fascia Board | 5.49 | 2.20 |
| 06 46 29 00-0017 | LF | 1" x 8" Cedar Fascia Board | 6.41 | 2.45 |
| 06 46 29 00-0018 | LF | 1" x 10" Cedar Fascia Board | 7.39 | 2.57 |
| 06 46 29 00-0019 | LF | 1" x 12" Cedar Fascia Board | 8.92 | 2.88 |
| **06 46 29 00-0020** | | **Engineered Wood Fascia Board** *(06 46 29 00-0001)* | | |
| 06 46 29 00-0021 | LF | 1" x 6" Engineered Wood Fascia Board | 4.94 | 2.20 |
| 06 46 29 00-0022 | LF | 1" x 8" Engineered Wood Fascia Board | 5.60 | 2.45 |
| 06 46 29 00-0023 | LF | 1" x 12" Engineered Wood Fascia Board | 6.82 | 2.88 |
| **06 46 29 00-0024** | | **Soffit** *(06 46 29)* | | |
| **06 46 29 00-0025** | | **Sanded Plywood Soffit** *(06 46 29 00-0024)* | | |
| 06 46 29 00-0026 | SF | 3/8" Thick, Sanded Plywood Soffit | 4.38 | 1.67 |
| 06 46 29 00-0027 | SF | 1/2" Thick, Sanded Plywood Soffit | 4.79 | 1.76 |
| 06 46 29 00-0028 | SF | 5/8" Thick, Sanded Plywood Soffit | 5.03 | 1.83 |
| 06 46 29 00-0029 | SF | 3/4" Thick, Sanded Plywood Soffit | 5.55 | 1.93 |
| **06 46 29 00-0030** | | **MDO Plywood Soffit** *(06 46 29 00-0024)* | | |
| 06 46 29 00-0031 | SF | 3/8" Thick, MDO Plywood Soffit | 4.86 | 1.67 |
| 06 46 29 00-0032 | SF | 1/2" Thick, MDO Plywood Soffit | 5.40 | 1.76 |
| 06 46 29 00-0033 | SF | 3/4" Thick, MDO Plywood Soffit | 6.73 | 1.93 |
| **06 46 29 00-0034** | | **Exterior Ceiling Gypsum Board Soffit** *(06 46 29 00-0024)* | | |
| 06 46 29 00-0035 | SF | 1/2" Thick, Exterior Ceiling Gypsum Board Soffit | 3.66 | 1.45 |
| 06 46 29 00-0036 | SF | 5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit | 3.96 | 1.54 |

## 06 46 36 Custom Wood Molding *(06 46)*

Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.

| | | | | |
|---|---|---|---|---|
| **06 46 36 00-0001** | | **Ash** *(06 46 36)* | | |
| 06 46 36 00-0002 | LF | 3/4" x 1-1/2" Custom Shaped Ash | 8.37 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.89* | |
| 06 46 36 00-0003 | LF | 3/4" x 2-1/2" Custom Shaped Ash | 10.73 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0004 | LF | 3/4" x 3-1/2" Custom Shaped Ash | 13.11 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0005 | LF | 3/4" x 4-1/2" Custom Shaped Ash | 15.47 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0006 | LF | 3/4" x 5-1/2" Custom Shaped Ash | 17.96 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.04* | |
| 06 46 36 00-0007 | LF | 3/4" x 6-1/2" Custom Shaped Ash | 20.44 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0008 | LF | 3/4" x 7-1/2" Custom Shaped Ash | 22.79 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0009 | LF | 3/4" x 8-1/2" Custom Shaped Ash | 25.18 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.15* | |
| 06 46 36 00-0010 | LF | 3/4" x 9-1/2" Custom Shaped Ash | 27.50 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0011 | LF | 3/4" x 10-1/2" Custom Shaped Ash | 30.01 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0012 | LF | 3/4" x 11-1/2" Custom Shaped Ash | 32.43 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| 06 46 36 00-0013 | LF | 1" x 1-1/2" Custom Shaped Ash | 10.03 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0014 | LF | 1" x 2-1/2" Custom Shaped Ash | 13.14 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0015 | LF | 1" x 3-1/2" Custom Shaped Ash | 16.26 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0016 | LF | 1" x 4-1/2" Custom Shaped Ash | 19.37 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.01* | |
| 06 46 36 00-0017 | LF | 1" x 5-1/2" Custom Shaped Ash | 22.66 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0018 | LF | 1" x 6-1/2" Custom Shaped Ash | 25.89 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0019 | LF | 1" x 7-1/2" Custom Shaped Ash | 28.99 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0020 | LF | 1" x 8-1/2" Custom Shaped Ash | 32.13 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.18* | |
| 06 46 36 00-0021 | LF | 1" x 9-1/2" Custom Shaped Ash | 35.24 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0022 | LF | 1" x 10-1/2" Custom Shaped Ash | 38.50 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.26* | |
| 06 46 36 00-0023 | LF | 1" x 11-1/2" Custom Shaped Ash | 41.67 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.30* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0024 | LF | 1-1/4" x 1-1/2" Custom Shaped Ash | 12.12 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0025 | LF | 1-1/4" x 2-1/2" Custom Shaped Ash | 16.24 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0026 | LF | 1-1/4" x 3-1/2" Custom Shaped Ash | 20.36 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0027 | LF | 1-1/4" x 4-1/2" Custom Shaped Ash | 24.49 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0028 | LF | 1-1/4" x 5-1/2" Custom Shaped Ash | 28.75 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0029 | LF | 1-1/4" x 6-1/2" Custom Shaped Ash | 32.99 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0030 | LF | 1-1/4" x 7-1/2" Custom Shaped Ash | 37.10 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0031 | LF | 1-1/4" x 8-1/2" Custom Shaped Ash | 41.26 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.20* | |
| 06 46 36 00-0032 | LF | 1-1/4" x 9-1/2" Custom Shaped Ash | 45.33 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.22* | |
| 06 46 36 00-0033 | LF | 1-1/4" x 10-1/2" Custom Shaped Ash | 49.60 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.28* | |
| 06 46 36 00-0034 | LF | 1-1/4" x 11-1/2" Custom Shaped Ash | 53.78 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0035 | LF | 1-1/2" x 1-1/2" Custom Shaped Ash | 15.11 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0036 | LF | 1-1/2" x 2-1/2" Custom Shaped Ash | 20.67 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0037 | LF | 1-1/2" x 3-1/2" Custom Shaped Ash | 26.24 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0038 | LF | 1-1/2" x 4-1/2" Custom Shaped Ash | 31.81 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0039 | LF | 1-1/2" x 5-1/2" Custom Shaped Ash | 37.39 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0040 | LF | 1-1/2" x 6-1/2" Custom Shaped Ash | 43.19 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0041 | LF | 1-1/2" x 7-1/2" Custom Shaped Ash | 48.85 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0042 | LF | 1-1/2" x 8-1/2" Custom Shaped Ash | 54.34 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0043 | LF | 1-1/2" x 9-1/2" Custom Shaped Ash | 59.86 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.25* | |
| 06 46 36 00-0044 | LF | 1-1/2" x 10-1/2" Custom Shaped Ash | 66.10 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.31* | |
| 06 46 36 00-0045 | LF | 1-1/2" x 11-1/2" Custom Shaped Ash | 71.18 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.35* | |
| **06 46 36 00-0046** | | **Basswood** *(06 46 36)* | | |
| 06 46 36 00-0047 | LF | 3/4" x 1-1/2" Custom Shaped Basswood | 6.88 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.89* | |
| 06 46 36 00-0048 | LF | 3/4" x 2-1/2" Custom Shaped Basswood | 8.49 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0049 | LF | 3/4" x 3-1/2" Custom Shaped Basswood | 10.12 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0050 | LF | 3/4" x 4-1/2" Custom Shaped Basswood | 11.73 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0051 | LF | 3/4" x 5-1/2" Custom Shaped Basswood | 13.48 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.04* | |
| 06 46 36 00-0052 | LF | 3/4" x 6-1/2" Custom Shaped Basswood | 15.21 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0053 | LF | 3/4" x 7-1/2" Custom Shaped Basswood | 16.82 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0054 | LF | 3/4" x 8-1/2" Custom Shaped Basswood | 18.46 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.15* | |
| 06 46 36 00-0055 | LF | 3/4" x 9-1/2" Custom Shaped Basswood | 20.02 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0056 | LF | 3/4" x 10-1/2" Custom Shaped Basswood | 21.79 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0057 | LF | 3/4" x 11-1/2" Custom Shaped Basswood | 23.46 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| 06 46 36 00-0058 | LF | 1" x 1-1/2" Custom Shaped Basswood | 7.90 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0059 | LF | 1" x 2-1/2" Custom Shaped Basswood | 9.94 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0060 | LF | 1" x 3-1/2" Custom Shaped Basswood | 11.99 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0061 | LF | 1" x 4-1/2" Custom Shaped Basswood | 14.03 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.01* | |
| 06 46 36 00-0062 | LF | 1" x 5-1/2" Custom Shaped Basswood | 16.25 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0063 | LF | 1" x 6-1/2" Custom Shaped Basswood | 18.42 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0064 | LF | 1" x 7-1/2" Custom Shaped Basswood | 20.45 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0065 | LF | 1" x 8-1/2" Custom Shaped Basswood | 22.52 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.18* | |
| 06 46 36 00-0066 | LF | 1" x 9-1/2" Custom Shaped Basswood | 24.56 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0067 | LF | 1" x 10-1/2" Custom Shaped Basswood | 26.76 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.26* | |
| 06 46 36 00-0068 | LF | 1" x 11-1/2" Custom Shaped Basswood | 28.86 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.30* | |
| 06 46 36 00-0069 | LF | 1-1/2" x 1-1/2" Custom Shaped Basswood | 10.94 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0070 | LF | 1-1/2" x 2-1/2" Custom Shaped Basswood | 14.48 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0071 | LF | 1-1/2" x 3-1/2" Custom Shaped Basswood | 18.01 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0072 | LF | 1-1/2" x 4-1/2" Custom Shaped Basswood | 21.56 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0073 | LF | 1-1/2" x 5-1/2" Custom Shaped Basswood | 25.22 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0074 | LF | 1-1/2" x 6-1/2" Custom Shaped Basswood | 28.88 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0075 | LF | 1-1/2" x 7-1/2" Custom Shaped Basswood | 32.41 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0076 | LF | 1-1/2" x 8-1/2" Custom Shaped Basswood | 35.97 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.20* | |
| 06 46 36 00-0077 | LF | 1-1/2" x 9-1/2" Custom Shaped Basswood | 39.46 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.22* | |
| 06 46 36 00-0078 | LF | 1-1/2" x 10-1/2" Custom Shaped Basswood | 43.14 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.28* | |
| 06 46 36 00-0079 | LF | 1-1/2" x 11-1/2" Custom Shaped Basswood | 46.74 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0080 | LF | 3-1/2" x 3-1/2" Custom Shaped Basswood | 44.03 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0081 | LF | 3-1/2" x 4-1/2" Custom Shaped Basswood | 54.06 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0082 | LF | 3-1/2" x 5-1/2" Custom Shaped Basswood | 64.00 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0083 | LF | 3-1/2" x 6-1/2" Custom Shaped Basswood | 74.15 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.24* | |
| 06 46 36 00-0084 | LF | 3-1/2" x 7-1/2" Custom Shaped Basswood | 84.08 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| 06 46 36 00-0085 | LF | 3-1/2" x 8-1/2" Custom Shaped Basswood | 94.23 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0086 | LF | 3-1/2" x 9-1/2" Custom Shaped Basswood | 104.04 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.34* | |
| 06 46 36 00-0087 | LF | 3-1/2" x 10-1/2" Custom Shaped Basswood | 113.98 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.37* | |
| 06 46 36 00-0088 | LF | 3-1/2" x 11-1/2" Custom Shaped Basswood | 124.13 | 1.87 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.45* | |

## 06 46 36 00-0089 Birch *(06 46 36)*

| | | | | |
|---|---|---|---|---|
| 06 46 36 00-0090 | LF | 3/4" x 1-1/2" Custom Shaped Birch | 7.41 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.89* | |
| 06 46 36 00-0091 | LF | 3/4" x 2-1/2" Custom Shaped Birch | 9.29 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0092 | LF | 3/4" x 3-1/2" Custom Shaped Birch | 11.18 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0093 | LF | 3/4" x 4-1/2" Custom Shaped Birch | 13.07 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0094 | LF | 3/4" x 5-1/2" Custom Shaped Birch | 15.08 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.04* | |
| 06 46 36 00-0095 | LF | 3/4" x 6-1/2" Custom Shaped Birch | 17.08 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0096 | LF | 3/4" x 7-1/2" Custom Shaped Birch | 18.95 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0097 | LF | 3/4" x 8-1/2" Custom Shaped Birch | 20.86 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.15* | |
| 06 46 36 00-0098 | LF | 3/4" x 9-1/2" Custom Shaped Birch | 22.69 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0099 | LF | 3/4" x 10-1/2" Custom Shaped Birch | 24.72 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0100 | LF | 3/4" x 11-1/2" Custom Shaped Birch | 26.66 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| 06 46 36 00-0101 | LF | 1" x 1-1/2" Custom Shaped Birch | 8.70 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0102 | LF | 1" x 2-1/2" Custom Shaped Birch | 11.11 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0103 | LF | 1" x 3-1/2" Custom Shaped Birch | 13.59 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0104 | LF | 1" x 4-1/2" Custom Shaped Birch | 16.06 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.01* | |
| 06 46 36 00-0105 | LF | 1" x 5-1/2" Custom Shaped Birch | 18.66 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0106 | LF | 1" x 6-1/2" Custom Shaped Birch | 21.19 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0107 | LF | 1" x 7-1/2" Custom Shaped Birch | 23.65 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0108 | LF | 1" x 8-1/2" Custom Shaped Birch | 26.15 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.18* | |
| 06 46 36 00-0109 | LF | 1" x 9-1/2" Custom Shaped Birch | 28.57 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0110 | LF | 1" x 10-1/2" Custom Shaped Birch | 31.13 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.26* | |
| 06 46 36 00-0111 | LF | 1" x 11-1/2" Custom Shaped Birch | 33.66 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.30* | |
| 06 46 36 00-0112 | LF | 1-1/4" x 1-1/2" Custom Shaped Birch | 10.19 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0113 | LF | 1-1/4" x 2-1/2" Custom Shaped Birch | 13.36 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0114 | LF | 1-1/4" x 3-1/2" Custom Shaped Birch | 16.52 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0115 | LF | 1-1/4" x 4-1/2" Custom Shaped Birch | 19.69 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0116 | LF | 1-1/4" x 5-1/2" Custom Shaped Birch | 22.98 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0117 | LF | 1-1/4" x 6-1/2" Custom Shaped Birch | 26.27 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0118 | LF | 1-1/4" x 7-1/2" Custom Shaped Birch | 29.42 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0119 | LF | 1-1/4" x 8-1/2" Custom Shaped Birch | 32.61 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.20* | |
| 06 46 36 00-0120 | LF | 1-1/4" x 9-1/2" Custom Shaped Birch | 35.72 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.22* | |
| 06 46 36 00-0121 | LF | 1-1/4" x 10-1/2" Custom Shaped Birch | 39.03 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.28* | |
| 06 46 36 00-0122 | LF | 1-1/4" x 11-1/2" Custom Shaped Birch | 42.26 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0123 | LF | 1-1/2" x 1-1/2" Custom Shaped Birch | 12.55 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0124 | LF | 1-1/2" x 2-1/2" Custom Shaped Birch | 16.83 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0125 | LF | 1-1/2" x 3-1/2" Custom Shaped Birch | 21.11 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0126 | LF | 1-1/2" x 4-1/2" Custom Shaped Birch | 25.40 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0127 | LF | 1-1/2" x 5-1/2" Custom Shaped Birch | 29.71 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0128 | LF | 1-1/2" x 6-1/2" Custom Shaped Birch | 34.22 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0129 | LF | 1-1/2" x 7-1/2" Custom Shaped Birch | 38.49 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0130 | LF | 1-1/2" x 8-1/2" Custom Shaped Birch | 42.82 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0131 | LF | 1-1/2" x 9-1/2" Custom Shaped Birch | 47.05 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.25* | |
| 06 46 36 00-0132 | LF | 1-1/2" x 10-1/2" Custom Shaped Birch | 52.01 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.31* | |
| 06 46 36 00-0133 | LF | 1-1/2" x 11-1/2" Custom Shaped Birch | 55.81 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.35* | |

## 06 46 36 00-0134 Clear Western Cedar *(06 46 36)*

| | | | | |
|---|---|---|---|---|
| 06 46 36 00-0135 | LF | 3/4" x 1-1/2" Custom Shaped Clear West Cedar | 7.41 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.89* | |
| 06 46 36 00-0136 | LF | 3/4" x 2-1/2" Custom Shaped Clear West Cedar | 9.29 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0137 | LF | 3/4" x 3-1/2" Custom Shaped Clear West Cedar | 11.18 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0138 | LF | 3/4" x 4-1/2" Custom Shaped Clear West Cedar | 13.07 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0139 | LF | 3/4" x 5-1/2" Custom Shaped Clear West Cedar | 15.08 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.04* | |
| 06 46 36 00-0140 | LF | 3/4" x 6-1/2" Custom Shaped Clear West Cedar | 17.08 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0141 | LF | 1" x 1-1/2" Custom Shaped Clear West Cedar | 8.80 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0142 | LF | 1" x 2-1/2" Custom Shaped Clear West Cedar | 11.33 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0143 | LF | 1" x 3-1/2" Custom Shaped Clear West Cedar | 13.86 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0144 | LF | 1" x 4-1/2" Custom Shaped Clear West Cedar | 16.38 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.01* | |
| 06 46 36 00-0145 | LF | 1" x 5-1/2" Custom Shaped Clear West Cedar | 19.03 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0146 | LF | 1" x 6-1/2" Custom Shaped Clear West Cedar | 21.67 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0147 | LF | 1-1/4" x 1-1/2" Custom Shaped Clear West Cedar | 11.58 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0148 | LF | 1-1/4" x 2-1/2" Custom Shaped Clear West Cedar | 15.44 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0149 | LF | 1-1/4" x 3-1/2" Custom Shaped Clear West Cedar | 19.29 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0150 | LF | 1-1/4" x 4-1/2" Custom Shaped Clear West Cedar | 23.16 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0151 | LF | 1-1/4" x 5-1/2" Custom Shaped Clear West Cedar | 27.15 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0152 | LF | 1-1/4" x 6-1/2" Custom Shaped Clear West Cedar | 31.12 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0153 | LF | 1-1/2" x 1-1/2" Custom Shaped Clear West Cedar | 11.91 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0154 | LF | 1-1/2" x 2-1/2" Custom Shaped Clear West Cedar | 15.87 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0155 | LF | 1-1/2" x 3-1/2" Custom Shaped Clear West Cedar | 19.83 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0156 | LF | 1-1/2" x 4-1/2" Custom Shaped Clear West Cedar | 23.80 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0157 | LF | 1-1/2" x 5-1/2" Custom Shaped Clear West Cedar | 27.79 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0158 | LF | 1-1/2" x 6-1/2" Custom Shaped Clear West Cedar | 31.98 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0159 | LF | 3-1/2" x 3-1/2" Custom Shaped Clear West Cedar | 38.91 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0160 | LF | 3-1/2" x 4-1/2" Custom Shaped Clear West Cedar | 47.66 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0161 | LF | 3-1/2" x 5-1/2" Custom Shaped Clear West Cedar | 56.32 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0162 | LF | 3-1/2" x 6-1/2" Custom Shaped Clear West Cedar | 65.19 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.24* | |
| 06 46 36 00-0163 | LF | 3-1/2" x 7-1/2" Custom Shaped Clear West Cedar | 73.83 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| 06 46 36 00-0164 | LF | 3-1/2" x 8-1/2" Custom Shaped Clear West Cedar | 82.59 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0165 | LF | 3-1/2" x 9-1/2" Custom Shaped Clear West Cedar | 91.23 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.34* | |
| 06 46 36 00-0166 | LF | 3-1/2" x 10-1/2" Custom Shaped Clear West Cedar | 99.89 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.37* | |
| 06 46 36 00-0167 | LF | 3-1/2" x 11-1/2" Custom Shaped Clear West Cedar | 108.76 | 1.87 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.45* | |

### 06 46 36 00-0168 Cherry *(06 46 36)*

| | | | | |
|---|---|---|---|---|
| 06 46 36 00-0169 | LF | 3/4" x 1-1/2" Custom Shaped Cherry | 9.12 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.89* | |
| 06 46 36 00-0170 | LF | 3/4" x 2-1/2" Custom Shaped Cherry | 11.86 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0171 | LF | 3/4" x 3-1/2" Custom Shaped Cherry | 14.60 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0172 | LF | 3/4" x 4-1/2" Custom Shaped Cherry | 17.34 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0173 | LF | 3/4" x 5-1/2" Custom Shaped Cherry | 20.20 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.04* | |
| 06 46 36 00-0174 | LF | 3/4" x 6-1/2" Custom Shaped Cherry | 23.06 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0175 | LF | 3/4" x 7-1/2" Custom Shaped Cherry | 25.78 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0176 | LF | 3/4" x 8-1/2" Custom Shaped Cherry | 28.55 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.15* | |
| 06 46 36 00-0177 | LF | 3/4" x 9-1/2" Custom Shaped Cherry | 31.23 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0178 | LF | 3/4" x 10-1/2" Custom Shaped Cherry | 34.12 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0179 | LF | 3/4" x 11-1/2" Custom Shaped Cherry | 36.91 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| 06 46 36 00-0180 | LF | 1" x 1-1/2" Custom Shaped Cherry | 10.94 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0181 | LF | 1" x 2-1/2" Custom Shaped Cherry | 14.53 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0182 | LF | 1" x 3-1/2" Custom Shaped Cherry | 18.13 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0183 | LF | 1" x 4-1/2" Custom Shaped Cherry | 21.72 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.01* | |
| 06 46 36 00-0184 | LF | 1" x 5-1/2" Custom Shaped Cherry | 25.43 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0185 | LF | 1" x 6-1/2" Custom Shaped Cherry | 29.14 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0186 | LF | 1" x 7-1/2" Custom Shaped Cherry | 32.72 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0187 | LF | 1" x 8-1/2" Custom Shaped Cherry | 36.40 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0188 | LF | 1" x 9-1/2" Custom Shaped Cherry | 39.88 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0189 | LF | 1" x 10-1/2" Custom Shaped Cherry | 43.62 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.26* | |
| 06 46 36 00-0190 | LF | 1" x 11-1/2" Custom Shaped Cherry | 47.27 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.30* | |
| 06 46 36 00-0191 | LF | 1-1/4" x 1-1/2" Custom Shaped Cherry | 12.92 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0192 | LF | 1-1/4" x 2-1/2" Custom Shaped Cherry | 17.47 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0193 | LF | 1-1/4" x 3-1/2" Custom Shaped Cherry | 21.96 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0194 | LF | 1-1/4" x 4-1/2" Custom Shaped Cherry | 26.52 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0195 | LF | 1-1/4" x 5-1/2" Custom Shaped Cherry | 31.15 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0196 | LF | 1-1/4" x 6-1/2" Custom Shaped Cherry | 35.82 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0197 | LF | 1-1/4" x 7-1/2" Custom Shaped Cherry | 40.30 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0198 | LF | 1-1/4" x 8-1/2" Custom Shaped Cherry | 44.88 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.20* | |
| 06 46 36 00-0199 | LF | 1-1/4" x 9-1/2" Custom Shaped Cherry | 49.33 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.22* | |
| 06 46 36 00-0200 | LF | 1-1/4" x 10-1/2" Custom Shaped Cherry | 54.03 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.28* | |
| 06 46 36 00-0201 | LF | 1-1/4" x 11-1/2" Custom Shaped Cherry | 58.59 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0202 | LF | 1-1/2" x 1-1/2" Custom Shaped Cherry | 16.60 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0203 | LF | 1-1/2" x 2-1/2" Custom Shaped Cherry | 22.91 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0204 | LF | 1-1/2" x 3-1/2" Custom Shaped Cherry | 29.22 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0205 | LF | 1-1/2" x 4-1/2" Custom Shaped Cherry | 35.55 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0206 | LF | 1-1/2" x 5-1/2" Custom Shaped Cherry | 41.88 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0207 | LF | 1-1/2" x 6-1/2" Custom Shaped Cherry | 48.42 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0208 | LF | 1-1/2" x 7-1/2" Custom Shaped Cherry | 54.72 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0209 | LF | 1-1/2" x 8-1/2" Custom Shaped Cherry | 61.07 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0210 | LF | 1-1/2" x 9-1/2" Custom Shaped Cherry | 67.33 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.25* | |
| 06 46 36 00-0211 | LF | 1-1/2" x 10-1/2" Custom Shaped Cherry | 73.89 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.31* | |
| 06 46 36 00-0212 | LF | 1-1/2" x 11-1/2" Custom Shaped Cherry | 80.14 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.35* | |
| 06 46 36 00-0213 | | Cypress *(06 46 36)* | | |
| 06 46 36 00-0214 | LF | 3/4" x 1-1/2" Custom Shaped Cypress | 6.88 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.89* | |
| 06 46 36 00-0215 | LF | 3/4" x 2-1/2" Custom Shaped Cypress | 8.49 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0216 | LF | 3/4" x 3-1/2" Custom Shaped Cypress | 10.12 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0217 | LF | 3/4" x 4-1/2" Custom Shaped Cypress | 11.73 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0218 | LF | 3/4" x 5-1/2" Custom Shaped Cypress | 13.48 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.04* | |
| 06 46 36 00-0219 | LF | 3/4" x 6-1/2" Custom Shaped Cypress | 15.21 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0220 | LF | 3/4" x 7-1/2" Custom Shaped Cypress | 17.24 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0221 | LF | 3/4" x 8-1/2" Custom Shaped Cypress | 18.94 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.15* | |
| 06 46 36 00-0222 | LF | 3/4" x 9-1/2" Custom Shaped Cypress | 22.16 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0223 | LF | 3/4" x 10-1/2" Custom Shaped Cypress | 24.14 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0224 | LF | 1" x 1-1/2" Custom Shaped Cypress | 9.23 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0225 | LF | 1" x 2-1/2" Custom Shaped Cypress | 11.91 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0226 | LF | 1" x 3-1/2" Custom Shaped Cypress | 14.66 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0227 | LF | 1" x 4-1/2" Custom Shaped Cypress | 17.39 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.01* | |
| 06 46 36 00-0228 | LF | 1" x 5-1/2" Custom Shaped Cypress | 20.26 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0229 | LF | 1" x 6-1/2" Custom Shaped Cypress | 23.06 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0230 | LF | 1" x 7-1/2" Custom Shaped Cypress | 25.78 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0231 | LF | 1" x 8-1/2" Custom Shaped Cypress | 28.55 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.18* | |
| 06 46 36 00-0232 | LF | 1" x 9-1/2" Custom Shaped Cypress | 31.23 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0233 | LF | 1" x 10-1/2" Custom Shaped Cypress | 34.17 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.26* | |
| 06 46 36 00-0234 | LF | 1" x 11-1/2" Custom Shaped Cypress | 36.86 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.30* | |
| 06 46 36 00-0235 | LF | 1-1/2" x 1-1/2" Custom Shaped Cypress | 10.84 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0236 | LF | 1-1/2" x 2-1/2" Custom Shaped Cypress | 14.27 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0237 | LF | 1-1/2" x 3-1/2" Custom Shaped Cypress | 17.70 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0238 | LF | 1-1/2" x 4-1/2" Custom Shaped Cypress | 21.13 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0239 | LF | 1-1/2" x 5-1/2" Custom Shaped Cypress | 24.58 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0240 | LF | 1-1/2" x 6-1/2" Custom Shaped Cypress | 28.24 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0241 | LF | 1-1/2" x 7-1/2" Custom Shaped Cypress | 31.66 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0242 | LF | 1-1/2" x 8-1/2" Custom Shaped Cypress | 35.13 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0243 | LF | 1-1/2" x 9-1/2" Custom Shaped Cypress | 41.71 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.25* | |
| 06 46 36 00-0244 | LF | 1-1/2" x 10-1/2" Custom Shaped Cypress | 45.49 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.31* | |

## 06 46 36 00-0245 Fir *(06 46 36)*

| | | | | |
|---|---|---|---|---|
| 06 46 36 00-0246 | LF | 3/4" x 1-1/2" Custom Shaped Fir | 7.73 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.89* | |
| 06 46 36 00-0247 | LF | 3/4" x 2-1/2" Custom Shaped Fir | 9.77 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0248 | LF | 3/4" x 3-1/2" Custom Shaped Fir | 11.83 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0249 | LF | 3/4" x 4-1/2" Custom Shaped Fir | 13.87 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0250 | LF | 3/4" x 5-1/2" Custom Shaped Fir | 16.04 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.04* | |
| 06 46 36 00-0251 | LF | 3/4" x 6-1/2" Custom Shaped Fir | 18.20 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0252 | LF | 3/4" x 7-1/2" Custom Shaped Fir | 20.23 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0253 | LF | 3/4" x 8-1/2" Custom Shaped Fir | 22.30 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.15* | |
| 06 46 36 00-0254 | LF | 3/4" x 9-1/2" Custom Shaped Fir | 24.29 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0255 | LF | 3/4" x 10-1/2" Custom Shaped Fir | 26.48 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0256 | LF | 1" x 1-1/2" Custom Shaped Fir | 9.23 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0257 | LF | 1" x 2-1/2" Custom Shaped Fir | 11.91 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0258 | LF | 1" x 3-1/2" Custom Shaped Fir | 14.66 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0259 | LF | 1" x 4-1/2" Custom Shaped Fir | 17.39 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.01* | |
| 06 46 36 00-0260 | LF | 1" x 5-1/2" Custom Shaped Fir | 20.26 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0261 | LF | 1" x 6-1/2" Custom Shaped Fir | 23.06 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0262 | LF | 1" x 7-1/2" Custom Shaped Fir | 25.78 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0263 | LF | 1" x 8-1/2" Custom Shaped Fir | 28.55 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.18* | |
| 06 46 36 00-0264 | LF | 1" x 9-1/2" Custom Shaped Fir | 31.23 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0265 | LF | 1" x 10-1/2" Custom Shaped Fir | 34.17 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.26* | |
| 06 46 36 00-0266 | LF | 1" x 11-1/2" Custom Shaped Fir | 36.86 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.30* | |
| 06 46 36 00-0267 | LF | 1-1/4" x 1-1/2" Custom Shaped Fir | 10.35 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0268 | LF | 1-1/4" x 2-1/2" Custom Shaped Fir | 13.62 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0269 | LF | 1-1/4" x 3-1/2" Custom Shaped Fir | 16.84 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0270 | LF | 1-1/4" x 4-1/2" Custom Shaped Fir | 20.12 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0271 | LF | 1-1/4" x 5-1/2" Custom Shaped Fir | 23.46 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0272 | LF | 1-1/4" x 6-1/2" Custom Shaped Fir | 26.85 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0273 | LF | 1-1/4" x 7-1/2" Custom Shaped Fir | 30.06 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0274 | LF | 1-1/4" x 8-1/2" Custom Shaped Fir | 33.36 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.20* | |
| 06 46 36 00-0275 | LF | 1-1/4" x 9-1/2" Custom Shaped Fir | 36.52 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.22* | |
| 06 46 36 00-0276 | LF | 1-1/4" x 10-1/2" Custom Shaped Fir | 39.94 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.28* | |
| 06 46 36 00-0277 | LF | 1-1/4" x 11-1/2" Custom Shaped Fir | 43.22 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0278 | LF | 1-1/2" x 1-1/2" Custom Shaped Fir | 11.91 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0279 | LF | 1-1/2" x 2-1/2" Custom Shaped Fir | 15.87 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0280 | LF | 1-1/2" x 3-1/2" Custom Shaped Fir | 19.83 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0281 | LF | 1-1/2" x 4-1/2" Custom Shaped Fir | 23.80 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0282 | LF | 1-1/2" x 5-1/2" Custom Shaped Fir | 27.79 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0283 | LF | 1-1/2" x 6-1/2" Custom Shaped Fir | 31.98 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0284 | LF | 1-1/2" x 7-1/2" Custom Shaped Fir | 35.93 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0285 | LF | 1-1/2" x 8-1/2" Custom Shaped Fir | 39.93 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0286 | LF | 1-1/2" x 9-1/2" Custom Shaped Fir | 43.85 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.25* | |
| 06 46 36 00-0287 | LF | 1-1/2" x 10-1/2" Custom Shaped Fir | 47.95 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.31* | |
| 06 46 36 00-0288 | LF | 1-1/2" x 11-1/2" Custom Shaped Fir | 51.96 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.35* | |
| 06 46 36 00-0289 | LF | 2-1/2" x 1-1/2" Custom Shaped Fir | 19.79 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.02* | |
| 06 46 36 00-0290 | LF | 2-1/2" x 2-1/2" Custom Shaped Fir | 27.59 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.04* | |
| 06 46 36 00-0291 | LF | 2-1/2" x 3-1/2" Custom Shaped Fir | 35.38 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.07* | |
| 06 46 36 00-0292 | LF | 2-1/2" x 4-1/2" Custom Shaped Fir | 43.28 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0293 | LF | 2-1/2" x 5-1/2" Custom Shaped Fir | 51.08 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0294 | LF | 2-1/2" x 6-1/2" Custom Shaped Fir | 59.09 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.22* | |
| 06 46 36 00-0295 | LF | 2-1/2" x 7-1/2" Custom Shaped Fir | 66.89 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.24* | |
| 06 46 36 00-0296 | LF | 2-1/2" x 8-1/2" Custom Shaped Fir | 74.91 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.29* | |
| 06 46 36 00-0297 | LF | 2-1/2" x 9-1/2" Custom Shaped Fir | 82.58 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0298 | LF | 2-1/2" x 10-1/2" Custom Shaped Fir | 90.39 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.35* | |
| 06 46 36 00-0299 | LF | 3-1/2" x 3-1/2" Custom Shaped Fir | 44.14 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0300 | LF | 3-1/2" x 4-1/2" Custom Shaped Fir | 54.06 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0301 | LF | 3-1/2" x 5-1/2" Custom Shaped Fir | 64.00 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0302 | LF | 3-1/2" x 6-1/2" Custom Shaped Fir | 74.15 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.24* | |
| 06 46 36 00-0303 | LF | 3-1/2" x 7-1/2" Custom Shaped Fir | 84.08 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| 06 46 36 00-0304 | LF | 3-1/2" x 8-1/2" Custom Shaped Fir | 94.12 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0305 | LF | 3-1/2" x 9-1/2" Custom Shaped Fir | 104.04 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.34* | |
| 06 46 36 00-0306 | LF | 3-1/2" x 10-1/2" Custom Shaped Fir | 113.98 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.37* | |

## 06 46 36 00-0307 Honduran Mahogany *(06 46 36)*

| | | | | |
|---|---|---|---|---|
| 06 46 36 00-0308 | LF | 3/4" x 1-1/2" Custom Shaped Honduras Mahogany | 9.76 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.89* | |
| 06 46 36 00-0309 | LF | 3/4" x 2-1/2" Custom Shaped Honduras Mahogany | 12.82 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0310 | LF | 3/4" x 3-1/2" Custom Shaped Honduras Mahogany | 15.88 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0311 | LF | 3/4" x 4-1/2" Custom Shaped Honduras Mahogany | 18.94 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0312 | LF | 3/4" x 5-1/2" Custom Shaped Honduras Mahogany | 22.12 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.04* | |
| 06 46 36 00-0313 | LF | 3/4" x 6-1/2" Custom Shaped Honduras Mahogany | 25.30 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0314 | LF | 3/4" x 7-1/2" Custom Shaped Honduras Mahogany | 28.34 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0315 | LF | 3/4" x 8-1/2" Custom Shaped Honduras Mahogany | 31.43 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.15* | |
| 06 46 36 00-0316 | LF | 3/4" x 9-1/2" Custom Shaped Honduras Mahogany | 34.43 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0317 | LF | 3/4" x 10-1/2" Custom Shaped Honduras Mahogany | 37.64 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0318 | LF | 3/4" x 11-1/2" Custom Shaped Honduras Mahogany | 40.75 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| 06 46 36 00-0319 | LF | 1" x 1-1/2" Custom Shaped Honduras Mahogany | 11.90 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.92* | |
| 06 46 36 00-0320 | LF | 1" x 2-1/2" Custom Shaped Honduras Mahogany | 15.92 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0321 | LF | 1" x 3-1/2" Custom Shaped Honduras Mahogany | 19.99 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.98* | |
| 06 46 36 00-0322 | LF | 1" x 4-1/2" Custom Shaped Honduras Mahogany | 24.06 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.01* | |
| 06 46 36 00-0323 | LF | 1" x 5-1/2" Custom Shaped Honduras Mahogany | 28.26 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0324 | LF | 1" x 6-1/2" Custom Shaped Honduras Mahogany | 32.40 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0325 | LF | 1" x 7-1/2" Custom Shaped Honduras Mahogany | 36.46 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0326 | LF | 1" x 8-1/2" Custom Shaped Honduras Mahogany | 40.56 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.18* | |
| 06 46 36 00-0327 | LF | 1" x 9-1/2" Custom Shaped Honduras Mahogany | 44.58 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0328 | LF | 1" x 10-1/2" Custom Shaped Honduras Mahogany | 48.74 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.26* | |
| 06 46 36 00-0329 | LF | 1" x 11-1/2" Custom Shaped Honduras Mahogany | 53.41 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.30* | |
| 06 46 36 00-0330 | LF | 1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany | 13.56 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.95* | |
| 06 46 36 00-0331 | LF | 1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany | 18.43 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0332 | LF | 1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany | 23.24 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0333 | LF | 1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany | 28.12 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0334 | LF | 1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany | 33.07 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0335 | LF | 1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany | 38.06 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0336 | LF | 1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany | 42.87 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0337 | LF | 1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany | 47.77 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.20* | |
| 06 46 36 00-0338 | LF | 1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany | 51.47 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.22* | |
| 06 46 36 00-0339 | LF | 1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany | 57.55 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.28* | |
| 06 46 36 00-0340 | LF | 1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany | 62.43 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0341 | LF | 1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany | 16.82 | 1.22 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.97* | |
| 06 46 36 00-0342 | LF | 1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany | 23.23 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.00* | |
| 06 46 36 00-0343 | LF | 1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany | 29.65 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.03* | |
| 06 46 36 00-0344 | LF | 1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany | 36.08 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.06* | |
| 06 46 36 00-0345 | LF | 1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany | 42.52 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0346 | LF | 1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany | 49.16 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0347 | LF | 1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany | 55.57 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0348 | LF | 1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany | 62.03 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.23* | |
| 06 46 36 00-0349 | LF | 1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany | 68.40 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.25* | |
| 06 46 36 00-0350 | LF | 1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany | 74.96 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.31* | |
| 06 46 36 00-0351 | LF | 1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany | 81.53 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.35* | |
| 06 46 36 00-0352 | LF | 2" x 1-1/2" Custom Shaped Honduras Mahogany | 20.05 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *0.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0353 | LF | 2" x 2-1/2" Custom Shaped Honduras Mahogany | 28.06 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.02* | |
| 06 46 36 00-0354 | LF | 2" x 3-1/2" Custom Shaped Honduras Mahogany | 36.02 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.04* | |
| 06 46 36 00-0355 | LF | 2" x 4-1/2" Custom Shaped Honduras Mahogany | 44.13 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0356 | LF | 2" x 5-1/2" Custom Shaped Honduras Mahogany | 52.09 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0357 | LF | 2" x 6-1/2" Custom Shaped Honduras Mahogany | 60.31 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.19* | |
| 06 46 36 00-0358 | LF | 2" x 7-1/2" Custom Shaped Honduras Mahogany | 68.27 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.22* | |
| 06 46 36 00-0359 | LF | 2" x 8-1/2" Custom Shaped Honduras Mahogany | 76.40 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| 06 46 36 00-0360 | LF | 2" x 9-1/2" Custom Shaped Honduras Mahogany | 84.34 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.29* | |
| 06 46 36 00-0361 | LF | 2" x 10-1/2" Custom Shaped Honduras Mahogany | 92.36 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0362 | LF | 2" x 11-1/2" Custom Shaped Honduras Mahogany | 100.54 | 1.87 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.40* | |
| 06 46 36 00-0363 | LF | 2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany | 24.70 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.02* | |
| 06 46 36 00-0364 | LF | 2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany | 33.35 | 1.33 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.04* | |
| 06 46 36 00-0365 | LF | 2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany | 43.07 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.07* | |
| 06 46 36 00-0366 | LF | 2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany | 52.88 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.12* | |
| 06 46 36 00-0367 | LF | 2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany | 62.61 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0368 | LF | 2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany | 72.54 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.22* | |
| 06 46 36 00-0369 | LF | 2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany | 82.26 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.24* | |
| 06 46 36 00-0370 | LF | 2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany | 92.09 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.29* | |
| 06 46 36 00-0371 | LF | 2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany | 101.80 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0372 | LF | 2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany | 111.52 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.35* | |
| 06 46 36 00-0373 | LF | 2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany | 121.46 | 1.87 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.42* | |
| 06 46 36 00-0374 | LF | 3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany | 58.55 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.09* | |
| 06 46 36 00-0375 | LF | 3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany | 72.21 | 1.43 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.14* | |
| 06 46 36 00-0376 | LF | 3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany | 85.78 | 1.54 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.17* | |
| 06 46 36 00-0377 | LF | 3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany | 99.56 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.24* | |
| 06 46 36 00-0378 | LF | 3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany | 113.12 | 1.65 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.27* | |
| 06 46 36 00-0379 | LF | 3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany | 126.79 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.32* | |
| 06 46 36 00-0380 | LF | 3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany | 140.33 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.34* | |
| 06 46 36 00-0381 | LF | 3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany | 153.90 | 1.76 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.37* | |
| 06 46 36 00-0382 | LF | 3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany | 167.68 | 1.87 |
| | | *For Curved Surfaces With A 2'-0" Maximum Radius, Add* | *1.45* | |

## 06 46 36 00-0383 Maple *(06 46 36)*

| | | | | |
|---|---|---|---|---|
| 06 46 36 00-0384 | LF | 3/4" x 1-1/2" Custom Shaped Maple | 7.31 | 1.22 |
| 06 46 36 00-0385 | LF | 3/4" x 2-1/2" Custom Shaped Maple | 9.13 | 1.22 |
| 06 46 36 00-0386 | LF | 3/4" x 3-1/2" Custom Shaped Maple | 10.97 | 1.22 |
| 06 46 36 00-0387 | LF | 3/4" x 4-1/2" Custom Shaped Maple | 12.80 | 1.33 |
| 06 46 36 00-0388 | LF | 3/4" x 5-1/2" Custom Shaped Maple | 14.76 | 1.33 |
| 06 46 36 00-0389 | LF | 3/4" x 6-1/2" Custom Shaped Maple | 16.71 | 1.43 |
| 06 46 36 00-0390 | LF | 3/4" x 7-1/2" Custom Shaped Maple | 18.52 | 1.43 |
| 06 46 36 00-0391 | LF | 3/4" x 8-1/2" Custom Shaped Maple | 20.38 | 1.43 |
| 06 46 36 00-0392 | LF | 3/4" x 9-1/2" Custom Shaped Maple | 22.16 | 1.54 |
| 06 46 36 00-0393 | LF | 3/4" x 10-1/2" Custom Shaped Maple | 24.14 | 1.65 |
| 06 46 36 00-0394 | LF | 3/4" x 11-1/2" Custom Shaped Maple | 26.02 | 1.65 |
| 06 46 36 00-0395 | LF | 1" x 1-1/2" Custom Shaped Maple | 8.70 | 1.22 |
| 06 46 36 00-0396 | LF | 1" x 2-1/2" Custom Shaped Maple | 11.11 | 1.22 |
| 06 46 36 00-0397 | LF | 1" x 3-1/2" Custom Shaped Maple | 13.59 | 1.33 |
| 06 46 36 00-0398 | LF | 1" x 4-1/2" Custom Shaped Maple | 16.06 | 1.33 |
| 06 46 36 00-0399 | LF | 1" x 5-1/2" Custom Shaped Maple | 18.66 | 1.43 |
| 06 46 36 00-0400 | LF | 1" x 6-1/2" Custom Shaped Maple | 21.19 | 1.43 |
| 06 46 36 00-0401 | LF | 1" x 7-1/2" Custom Shaped Maple | 23.65 | 1.43 |
| 06 46 36 00-0402 | LF | 1" x 8-1/2" Custom Shaped Maple | 26.15 | 1.54 |
| 06 46 36 00-0403 | LF | 1" x 9-1/2" Custom Shaped Maple | 28.57 | 1.54 |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0404 | LF | 1" x 10-1/2" Custom Shaped Maple | 30.06 | 1.65 |
| 06 46 36 00-0405 | LF | 1" x 11-1/2" Custom Shaped Maple | 33.66 | 1.65 |
| 06 46 36 00-0406 | LF | 1-1/4" x 1-1/2" Custom Shaped Maple | 9.87 | 1.22 |
| 06 46 36 00-0407 | LF | 1-1/4" x 2-1/2" Custom Shaped Maple | 12.88 | 1.22 |
| 06 46 36 00-0408 | LF | 1-1/4" x 3-1/2" Custom Shaped Maple | 15.88 | 1.33 |
| 06 46 36 00-0409 | LF | 1-1/4" x 4-1/2" Custom Shaped Maple | 18.89 | 1.33 |
| 06 46 36 00-0410 | LF | 1-1/4" x 5-1/2" Custom Shaped Maple | 22.02 | 1.43 |
| 06 46 36 00-0411 | LF | 1-1/4" x 6-1/2" Custom Shaped Maple | 25.14 | 1.43 |
| 06 46 36 00-0412 | LF | 1-1/4" x 7-1/2" Custom Shaped Maple | 28.14 | 1.54 |
| 06 46 36 00-0413 | LF | 1-1/4" x 8-1/2" Custom Shaped Maple | 31.17 | 1.54 |
| 06 46 36 00-0414 | LF | 1-1/4" x 9-1/2" Custom Shaped Maple | 34.12 | 1.54 |
| 06 46 36 00-0415 | LF | 1-1/4" x 10-1/2" Custom Shaped Maple | 37.27 | 1.65 |
| 06 46 36 00-0416 | LF | 1-1/4" x 11-1/2" Custom Shaped Maple | 40.33 | 1.76 |
| 06 46 36 00-0417 | LF | 1-1/2" x 1-1/2" Custom Shaped Maple | 12.33 | 1.22 |
| 06 46 36 00-0418 | LF | 1-1/2" x 2-1/2" Custom Shaped Maple | 16.51 | 1.33 |
| 06 46 36 00-0419 | LF | 1-1/2" x 3-1/2" Custom Shaped Maple | 20.68 | 1.33 |
| 06 46 36 00-0420 | LF | 1-1/2" x 4-1/2" Custom Shaped Maple | 24.87 | 1.43 |
| 06 46 36 00-0421 | LF | 1-1/2" x 5-1/2" Custom Shaped Maple | 29.07 | 1.43 |
| 06 46 36 00-0422 | LF | 1-1/2" x 6-1/2" Custom Shaped Maple | 33.47 | 1.54 |
| 06 46 36 00-0423 | LF | 1-1/2" x 7-1/2" Custom Shaped Maple | 37.64 | 1.54 |
| 06 46 36 00-0424 | LF | 1-1/2" x 8-1/2" Custom Shaped Maple | 42.39 | 1.65 |
| 06 46 36 00-0425 | LF | 1-1/2" x 9-1/2" Custom Shaped Maple | 45.98 | 1.65 |
| 06 46 36 00-0426 | LF | 1-1/2" x 10-1/2" Custom Shaped Maple | 50.40 | 1.76 |
| 06 46 36 00-0427 | LF | 1-1/2" x 11-1/2" Custom Shaped Maple | 54.52 | 1.76 |
| 06 46 36 00-0428 | LF | 2" x 1-1/2" Custom Shaped Maple | 16.32 | 1.33 |
| 06 46 36 00-0429 | LF | 2" x 2-1/2" Custom Shaped Maple | 22.46 | 1.33 |
| 06 46 36 00-0430 | LF | 2" x 3-1/2" Custom Shaped Maple | 28.55 | 1.33 |
| 06 46 36 00-0431 | LF | 2" x 4-1/2" Custom Shaped Maple | 34.79 | 1.43 |
| 06 46 36 00-0432 | LF | 2" x 5-1/2" Custom Shaped Maple | 40.89 | 1.43 |
| 06 46 36 00-0433 | LF | 2" x 6-1/2" Custom Shaped Maple | 47.24 | 1.54 |
| 06 46 36 00-0434 | LF | 2" x 7-1/2" Custom Shaped Maple | 53.32 | 1.54 |
| 06 46 36 00-0435 | LF | 2" x 8-1/2" Custom Shaped Maple | 59.58 | 1.65 |
| 06 46 36 00-0436 | LF | 2" x 9-1/2" Custom Shaped Maple | 65.66 | 1.65 |
| 06 46 36 00-0437 | LF | 2" x 10-1/2" Custom Shaped Maple | 71.81 | 1.76 |
| 06 46 36 00-0438 | LF | 2" x 11-1/2" Custom Shaped Maple | 78.65 | 1.87 |
| 06 46 36 00-0439 | LF | 3-1/2" x 3-1/2" Custom Shaped Maple | 62.82 | 1.43 |
| 06 46 36 00-0440 | LF | 3-1/2" x 4-1/2" Custom Shaped Maple | 77.54 | 1.43 |
| 06 46 36 00-0441 | LF | 3-1/2" x 5-1/2" Custom Shaped Maple | 92.18 | 1.54 |
| 06 46 36 00-0442 | LF | 3-1/2" x 6-1/2" Custom Shaped Maple | 107.03 | 1.65 |
| 06 46 36 00-0443 | LF | 3-1/2" x 7-1/2" Custom Shaped Maple | 121.66 | 1.65 |
| 06 46 36 00-0444 | LF | 3-1/2" x 8-1/2" Custom Shaped Maple | 136.39 | 1.76 |
| 06 46 36 00-0445 | LF | 3-1/2" x 9-1/2" Custom Shaped Maple | 151.01 | 1.76 |
| 06 46 36 00-0446 | LF | 3-1/2" x 10-1/2" Custom Shaped Maple | 165.65 | 1.76 |
| 06 46 36 00-0447 | LF | 3-1/2" x 11-1/2" Custom Shaped Maple | 180.49 | 1.87 |

## 06 46 36 00-0448 Appl Soft Maple *(06 46 36)*

| | | | | |
|---|---|---|---|---|
| 06 46 36 00-0449 | LF | 3/4" x 1-1/2" Custom Shaped Appl Soft Maple | 7.41 | 1.22 |
| 06 46 36 00-0450 | LF | 3/4" x 2-1/2" Custom Shaped Appl Soft Maple | 9.29 | 1.22 |
| 06 46 36 00-0451 | LF | 3/4" x 3-1/2" Custom Shaped Appl Soft Maple | 11.18 | 1.22 |
| 06 46 36 00-0452 | LF | 3/4" x 4-1/2" Custom Shaped Appl Soft Maple | 13.07 | 1.33 |
| 06 46 36 00-0453 | LF | 3/4" x 5-1/2" Custom Shaped Appl Soft Maple | 15.08 | 1.33 |
| 06 46 36 00-0454 | LF | 3/4" x 6-1/2" Custom Shaped Appl Soft Maple | 17.08 | 1.43 |
| 06 46 36 00-0455 | LF | 3/4" x 7-1/2" Custom Shaped Appl Soft Maple | 18.95 | 1.43 |
| 06 46 36 00-0456 | LF | 3/4" x 8-1/2" Custom Shaped Appl Soft Maple | 20.86 | 1.43 |
| 06 46 36 00-0457 | LF | 3/4" x 9-1/2" Custom Shaped Appl Soft Maple | 22.69 | 1.54 |
| 06 46 36 00-0458 | LF | 3/4" x 10-1/2" Custom Shaped Appl Soft Maple | 24.72 | 1.65 |
| 06 46 36 00-0459 | LF | 3/4" x 11-1/2" Custom Shaped Appl Soft Maple | 26.66 | 1.65 |
| 06 46 36 00-0460 | LF | 1" x 1-1/2" Custom Shaped Appl Soft Maple | 8.43 | 1.22 |
| 06 46 36 00-0461 | LF | 1" x 2-1/2" Custom Shaped Appl Soft Maple | 10.74 | 1.22 |
| 06 46 36 00-0462 | LF | 1" x 3-1/2" Custom Shaped Appl Soft Maple | 13.06 | 1.33 |
| 06 46 36 00-0463 | LF | 1" x 4-1/2" Custom Shaped Appl Soft Maple | 15.31 | 1.33 |
| 06 46 36 00-0464 | LF | 1" x 5-1/2" Custom Shaped Appl Soft Maple | 17.86 | 1.43 |
| 06 46 36 00-0465 | LF | 1" x 6-1/2" Custom Shaped Appl Soft Maple | 20.28 | 1.43 |
| 06 46 36 00-0466 | LF | 1" x 7-1/2" Custom Shaped Appl Soft Maple | 22.58 | 1.43 |
| 06 46 36 00-0467 | LF | 1" x 8-1/2" Custom Shaped Appl Soft Maple | 24.92 | 1.54 |
| 06 46 36 00-0468 | LF | 1" x 9-1/2" Custom Shaped Appl Soft Maple | 27.23 | 1.54 |
| 06 46 36 00-0469 | LF | 1" x 10-1/2" Custom Shaped Appl Soft Maple | 29.69 | 1.65 |
| 06 46 36 00-0470 | LF | 1" x 11-1/2" Custom Shaped Appl Soft Maple | 32.06 | 1.65 |
| 06 46 36 00-0471 | LF | 1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple | 9.39 | 1.22 |
| 06 46 36 00-0472 | LF | 1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple | 12.18 | 1.22 |
| 06 46 36 00-0473 | LF | 1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple | 14.92 | 1.33 |
| 06 46 36 00-0474 | LF | 1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple | 17.72 | 1.33 |
| 06 46 36 00-0475 | LF | 1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple | 20.58 | 1.43 |
| 06 46 36 00-0476 | LF | 1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple | 23.49 | 1.43 |
| 06 46 36 00-0477 | LF | 1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple | 26.21 | 1.54 |
| 06 46 36 00-0478 | LF | 1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple | 29.03 | 1.54 |
| 06 46 36 00-0479 | LF | 1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple | 31.72 | 1.54 |
| 06 46 36 00-0480 | LF | 1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple | 34.66 | 1.65 |
| 06 46 36 00-0481 | LF | 1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple | 37.45 | 1.76 |
| 06 46 36 00-0482 | LF | 1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple | 11.26 | 1.22 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0483 | LF | 1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple | 14.91 | 1.33 |
| 06 46 36 00-0484 | LF | 1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple | 18.55 | 1.33 |
| 06 46 36 00-0485 | LF | 1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple | 22.20 | 1.43 |
| 06 46 36 00-0486 | LF | 1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple | 25.86 | 1.43 |
| 06 46 36 00-0487 | LF | 1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple | 29.74 | 1.54 |
| 06 46 36 00-0488 | LF | 1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple | 33.37 | 1.54 |
| 06 46 36 00-0489 | LF | 1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple | 37.05 | 1.65 |
| 06 46 36 00-0490 | LF | 1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple | 40.64 | 1.65 |
| 06 46 36 00-0491 | LF | 1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple | 44.43 | 1.76 |
| 06 46 36 00-0492 | LF | 1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple | 48.12 | 1.76 |
| **06 46 36 00-0493** | | **Red Oak** *(06 46 36)* | | |
| 06 46 36 00-0494 | LF | 3/4" x 1-1/2" Custom Shaped Red Oak | 7.95 | 1.22 |
| 06 46 36 00-0495 | LF | 3/4" x 2-1/2" Custom Shaped Red Oak | 10.09 | 1.22 |
| 06 46 36 00-0496 | LF | 3/4" x 3-1/2" Custom Shaped Red Oak | 12.25 | 1.22 |
| 06 46 36 00-0497 | LF | 3/4" x 4-1/2" Custom Shaped Red Oak | 14.40 | 1.33 |
| 06 46 36 00-0498 | LF | 3/4" x 5-1/2" Custom Shaped Red Oak | 16.68 | 1.33 |
| 06 46 36 00-0499 | LF | 3/4" x 6-1/2" Custom Shaped Red Oak | 18.95 | 1.43 |
| 06 46 36 00-0500 | LF | 3/4" x 7-1/2" Custom Shaped Red Oak | 21.08 | 1.43 |
| 06 46 36 00-0501 | LF | 3/4" x 8-1/2" Custom Shaped Red Oak | 23.26 | 1.43 |
| 06 46 36 00-0502 | LF | 3/4" x 9-1/2" Custom Shaped Red Oak | 25.36 | 1.54 |
| 06 46 36 00-0503 | LF | 3/4" x 10-1/2" Custom Shaped Red Oak | 27.66 | 1.65 |
| 06 46 36 00-0504 | LF | 3/4" x 11-1/2" Custom Shaped Red Oak | 29.87 | 1.65 |
| 06 46 36 00-0505 | LF | 1" x 1-1/2" Custom Shaped Red Oak | 9.60 | 1.22 |
| 06 46 36 00-0506 | LF | 1" x 2-1/2" Custom Shaped Red Oak | 12.55 | 1.22 |
| 06 46 36 00-0507 | LF | 1" x 3-1/2" Custom Shaped Red Oak | 15.46 | 1.33 |
| 06 46 36 00-0508 | LF | 1" x 4-1/2" Custom Shaped Red Oak | 19.47 | 1.33 |
| 06 46 36 00-0509 | LF | 1" x 5-1/2" Custom Shaped Red Oak | 21.43 | 1.43 |
| 06 46 36 00-0510 | LF | 1" x 6-1/2" Custom Shaped Red Oak | 24.50 | 1.43 |
| 06 46 36 00-0511 | LF | 1" x 7-1/2" Custom Shaped Red Oak | 27.39 | 1.43 |
| 06 46 36 00-0512 | LF | 1" x 8-1/2" Custom Shaped Red Oak | 30.31 | 1.54 |
| 06 46 36 00-0513 | LF | 1" x 9-1/2" Custom Shaped Red Oak | 33.21 | 1.54 |
| 06 46 36 00-0514 | LF | 1" x 10-1/2" Custom Shaped Red Oak | 36.31 | 1.65 |
| 06 46 36 00-0515 | LF | 1" x 11-1/2" Custom Shaped Red Oak | 39.26 | 1.65 |
| 06 46 36 00-0516 | LF | 1-1/4" x 1-1/2" Custom Shaped Red Oak | 11.96 | 1.22 |
| 06 46 36 00-0517 | LF | 1-1/4" x 2-1/2" Custom Shaped Red Oak | 16.03 | 1.22 |
| 06 46 36 00-0518 | LF | 1-1/4" x 3-1/2" Custom Shaped Red Oak | 20.04 | 1.33 |
| 06 46 36 00-0519 | LF | 1-1/4" x 4-1/2" Custom Shaped Red Oak | 24.12 | 1.33 |
| 06 46 36 00-0520 | LF | 1-1/4" x 5-1/2" Custom Shaped Red Oak | 28.27 | 1.43 |
| 06 46 36 00-0521 | LF | 1-1/4" x 6-1/2" Custom Shaped Red Oak | 32.46 | 1.43 |
| 06 46 36 00-0522 | LF | 1-1/4" x 7-1/2" Custom Shaped Red Oak | 36.46 | 1.54 |
| 06 46 36 00-0523 | LF | 1-1/4" x 8-1/2" Custom Shaped Red Oak | 40.56 | 1.54 |
| 06 46 36 00-0524 | LF | 1-1/4" x 9-1/2" Custom Shaped Red Oak | 44.53 | 1.54 |
| 06 46 36 00-0525 | LF | 1-1/4" x 10-1/2" Custom Shaped Red Oak | 48.75 | 1.65 |
| 06 46 36 00-0526 | LF | 1-1/4" x 11-1/2" Custom Shaped Red Oak | 52.82 | 1.76 |
| 06 46 36 00-0527 | LF | 1-1/2" x 1-1/2" Custom Shaped Red Oak | 16.82 | 1.22 |
| 06 46 36 00-0528 | LF | 1-1/2" x 2-1/2" Custom Shaped Red Oak | 23.23 | 1.33 |
| 06 46 36 00-0529 | LF | 1-1/2" x 3-1/2" Custom Shaped Red Oak | 29.65 | 1.33 |
| 06 46 36 00-0530 | LF | 1-1/2" x 4-1/2" Custom Shaped Red Oak | 36.08 | 1.33 |
| 06 46 36 00-0531 | LF | 1-1/2" x 5-1/2" Custom Shaped Red Oak | 42.52 | 1.43 |
| 06 46 36 00-0532 | LF | 1-1/2" x 6-1/2" Custom Shaped Red Oak | 49.27 | 1.54 |
| 06 46 36 00-0533 | LF | 1-1/2" x 7-1/2" Custom Shaped Red Oak | 55.57 | 1.54 |
| 06 46 36 00-0534 | LF | 1-1/2" x 8-1/2" Custom Shaped Red Oak | 63.10 | 1.65 |
| 06 46 36 00-0535 | LF | 1-1/2" x 9-1/2" Custom Shaped Red Oak | 68.40 | 1.65 |
| 06 46 36 00-0536 | LF | 1-1/2" x 10-1/2" Custom Shaped Red Oak | 74.96 | 1.65 |
| 06 46 36 00-0537 | LF | 1-1/2" x 11-1/2" Custom Shaped Red Oak | 81.42 | 1.76 |
| 06 46 36 00-0538 | LF | 2" x 1-1/2" Custom Shaped Red Oak | 25.93 | 1.33 |
| 06 46 36 00-0539 | LF | 2" x 2-1/2" Custom Shaped Red Oak | 36.87 | 1.33 |
| 06 46 36 00-0540 | LF | 2" x 3-1/2" Custom Shaped Red Oak | 47.76 | 1.33 |
| 06 46 36 00-0541 | LF | 2" x 4-1/2" Custom Shaped Red Oak | 58.80 | 1.43 |
| 06 46 36 00-0542 | LF | 2" x 5-1/2" Custom Shaped Red Oak | 69.71 | 1.43 |
| 06 46 36 00-0543 | LF | 2" x 6-1/2" Custom Shaped Red Oak | 80.86 | 1.54 |
| 06 46 36 00-0544 | LF | 2" x 7-1/2" Custom Shaped Red Oak | 91.75 | 1.54 |
| 06 46 36 00-0545 | LF | 2" x 8-1/2" Custom Shaped Red Oak | 102.82 | 1.65 |
| 06 46 36 00-0546 | LF | 2" x 9-1/2" Custom Shaped Red Oak | 113.70 | 1.65 |
| 06 46 36 00-0547 | LF | 2" x 10-1/2" Custom Shaped Red Oak | 124.65 | 1.76 |
| 06 46 36 00-0548 | LF | 2" x 11-1/2" Custom Shaped Red Oak | 135.76 | 1.87 |
| **06 46 36 00-0549** | | **White Oak** *(06 46 36)* | | |
| 06 46 36 00-0550 | LF | 3/4" x 1-1/2" Custom Shaped White Oak | 8.05 | 1.22 |
| 06 46 36 00-0551 | LF | 3/4" x 2-1/2" Custom Shaped White Oak | 10.25 | 1.22 |
| 06 46 36 00-0552 | LF | 3/4" x 3-1/2" Custom Shaped White Oak | 12.47 | 1.22 |
| 06 46 36 00-0553 | LF | 3/4" x 4-1/2" Custom Shaped White Oak | 14.67 | 1.33 |
| 06 46 36 00-0554 | LF | 3/4" x 5-1/2" Custom Shaped White Oak | 17.00 | 1.33 |
| 06 46 36 00-0555 | LF | 3/4" x 6-1/2" Custom Shaped White Oak | 19.32 | 1.43 |
| 06 46 36 00-0556 | LF | 3/4" x 7-1/2" Custom Shaped White Oak | 21.51 | 1.43 |
| 06 46 36 00-0557 | LF | 3/4" x 8-1/2" Custom Shaped White Oak | 23.74 | 1.43 |
| 06 46 36 00-0558 | LF | 3/4" x 9-1/2" Custom Shaped White Oak | 25.89 | 1.54 |
| 06 46 36 00-0559 | LF | 3/4" x 10-1/2" Custom Shaped White Oak | 28.25 | 1.65 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0560 | LF | 3/4" x 11-1/2" Custom Shaped White Oak | 30.51 | 1.65 |
| 06 46 36 00-0561 | LF | 1" x 1-1/2" Custom Shaped White Oak | 9.60 | 1.22 |
| 06 46 36 00-0562 | LF | 1" x 2-1/2" Custom Shaped White Oak | 12.55 | 1.22 |
| 06 46 36 00-0563 | LF | 1" x 3-1/2" Custom Shaped White Oak | 15.46 | 1.33 |
| 06 46 36 00-0564 | LF | 1" x 4-1/2" Custom Shaped White Oak | 19.47 | 1.33 |
| 06 46 36 00-0565 | LF | 1" x 5-1/2" Custom Shaped White Oak | 21.43 | 1.43 |
| 06 46 36 00-0566 | LF | 1" x 6-1/2" Custom Shaped White Oak | 24.50 | 1.43 |
| 06 46 36 00-0567 | LF | 1" x 7-1/2" Custom Shaped White Oak | 27.39 | 1.43 |
| 06 46 36 00-0568 | LF | 1" x 8-1/2" Custom Shaped White Oak | 30.31 | 1.54 |
| 06 46 36 00-0569 | LF | 1" x 9-1/2" Custom Shaped White Oak | 33.21 | 1.54 |
| 06 46 36 00-0570 | LF | 1" x 10-1/2" Custom Shaped White Oak | 36.31 | 1.65 |
| 06 46 36 00-0571 | LF | 1" x 11-1/2" Custom Shaped White Oak | 39.26 | 1.65 |
| 06 46 36 00-0572 | LF | 1-1/4" x 1-1/2" Custom Shaped White Oak | 12.12 | 1.22 |
| 06 46 36 00-0573 | LF | 1-1/4" x 2-1/2" Custom Shaped White Oak | 16.24 | 1.22 |
| 06 46 36 00-0574 | LF | 1-1/4" x 3-1/2" Custom Shaped White Oak | 20.36 | 1.33 |
| 06 46 36 00-0575 | LF | 1-1/4" x 4-1/2" Custom Shaped White Oak | 24.49 | 1.33 |
| 06 46 36 00-0576 | LF | 1-1/4" x 5-1/2" Custom Shaped White Oak | 28.75 | 1.43 |
| 06 46 36 00-0577 | LF | 1-1/4" x 6-1/2" Custom Shaped White Oak | 32.99 | 1.43 |
| 06 46 36 00-0578 | LF | 1-1/4" x 7-1/2" Custom Shaped White Oak | 37.10 | 1.54 |
| 06 46 36 00-0579 | LF | 1-1/4" x 8-1/2" Custom Shaped White Oak | 41.26 | 1.54 |
| 06 46 36 00-0580 | LF | 1-1/4" x 9-1/2" Custom Shaped White Oak | 45.33 | 1.54 |
| 06 46 36 00-0581 | LF | 1-1/4" x 10-1/2" Custom Shaped White Oak | 49.60 | 1.65 |
| 06 46 36 00-0582 | LF | 1-1/4" x 11-1/2" Custom Shaped White Oak | 53.78 | 1.76 |
| 06 46 36 00-0583 | LF | 1-1/2" x 1-1/2" Custom Shaped White Oak | 20.02 | 1.22 |
| 06 46 36 00-0584 | LF | 1-1/2" x 2-1/2" Custom Shaped White Oak | 28.04 | 1.33 |
| 06 46 36 00-0585 | LF | 1-1/2" x 3-1/2" Custom Shaped White Oak | 36.06 | 1.33 |
| 06 46 36 00-0586 | LF | 1-1/2" x 4-1/2" Custom Shaped White Oak | 44.08 | 1.43 |
| 06 46 36 00-0587 | LF | 1-1/2" x 5-1/2" Custom Shaped White Oak | 52.12 | 1.43 |
| 06 46 36 00-0588 | LF | 1-1/2" x 6-1/2" Custom Shaped White Oak | 60.37 | 1.54 |
| 06 46 36 00-0589 | LF | 1-1/2" x 7-1/2" Custom Shaped White Oak | 68.38 | 1.54 |
| 06 46 36 00-0590 | LF | 1-1/2" x 8-1/2" Custom Shaped White Oak | 76.44 | 1.65 |
| 06 46 36 00-0591 | LF | 1-1/2" x 9-1/2" Custom Shaped White Oak | 83.34 | 1.65 |
| 06 46 36 00-0592 | LF | 1-1/2" x 10-1/2" Custom Shaped White Oak | 92.57 | 1.76 |
| 06 46 36 00-0593 | LF | 1-1/2" x 11-1/2" Custom Shaped White Oak | 100.64 | 1.76 |
| 06 46 36 00-0594 | | White Pine *(06 46 36)* | | |
| 06 46 36 00-0595 | LF | 3/4" x 1-1/2" Custom Shaped White Pine | 9.01 | 1.22 |
| 06 46 36 00-0596 | LF | 3/4" x 2-1/2" Custom Shaped White Pine | 11.70 | 1.22 |
| 06 46 36 00-0597 | LF | 3/4" x 3-1/2" Custom Shaped White Pine | 14.39 | 1.22 |
| 06 46 36 00-0598 | LF | 3/4" x 4-1/2" Custom Shaped White Pine | 17.07 | 1.33 |
| 06 46 36 00-0599 | LF | 3/4" x 5-1/2" Custom Shaped White Pine | 19.88 | 1.33 |
| 06 46 36 00-0600 | LF | 3/4" x 6-1/2" Custom Shaped White Pine | 22.68 | 1.43 |
| 06 46 36 00-0601 | LF | 3/4" x 7-1/2" Custom Shaped White Pine | 25.35 | 1.43 |
| 06 46 36 00-0602 | LF | 3/4" x 8-1/2" Custom Shaped White Pine | 28.07 | 1.43 |
| 06 46 36 00-0603 | LF | 3/4" x 9-1/2" Custom Shaped White Pine | 32.30 | 1.54 |
| 06 46 36 00-0604 | LF | 3/4" x 10-1/2" Custom Shaped White Pine | 35.29 | 1.65 |
| 06 46 36 00-0605 | LF | 1" x 1-1/2" Custom Shaped White Pine | 10.14 | 1.22 |
| 06 46 36 00-0606 | LF | 1" x 2-1/2" Custom Shaped White Pine | 13.35 | 1.22 |
| 06 46 36 00-0607 | LF | 1" x 3-1/2" Custom Shaped White Pine | 16.53 | 1.33 |
| 06 46 36 00-0608 | LF | 1" x 4-1/2" Custom Shaped White Pine | 19.74 | 1.33 |
| 06 46 36 00-0609 | LF | 1" x 5-1/2" Custom Shaped White Pine | 23.03 | 1.43 |
| 06 46 36 00-0610 | LF | 1" x 6-1/2" Custom Shaped White Pine | 26.37 | 1.43 |
| 06 46 36 00-0611 | LF | 1" x 7-1/2" Custom Shaped White Pine | 29.52 | 1.43 |
| 06 46 36 00-0612 | LF | 1" x 8-1/2" Custom Shaped White Pine | 32.77 | 1.54 |
| 06 46 36 00-0613 | LF | 1" x 9-1/2" Custom Shaped White Pine | 35.88 | 1.54 |
| 06 46 36 00-0614 | LF | 1" x 10-1/2" Custom Shaped White Pine | 39.24 | 1.65 |
| 06 46 36 00-0615 | LF | 1" x 11-1/2" Custom Shaped White Pine | 42.47 | 1.65 |
| 06 46 36 00-0616 | LF | 1-1/4" x 1-1/2" Custom Shaped White Pine | 11.48 | 1.22 |
| 06 46 36 00-0617 | LF | 1-1/4" x 2-1/2" Custom Shaped White Pine | 15.28 | 1.22 |
| 06 46 36 00-0618 | LF | 1-1/4" x 3-1/2" Custom Shaped White Pine | 19.19 | 1.33 |
| 06 46 36 00-0619 | LF | 1-1/4" x 4-1/2" Custom Shaped White Pine | 22.89 | 1.33 |
| 06 46 36 00-0620 | LF | 1-1/4" x 5-1/2" Custom Shaped White Pine | 26.83 | 1.43 |
| 06 46 36 00-0621 | LF | 1-1/4" x 6-1/2" Custom Shaped White Pine | 30.75 | 1.43 |
| 06 46 36 00-0622 | LF | 1-1/4" x 7-1/2" Custom Shaped White Pine | 34.54 | 1.54 |
| 06 46 36 00-0623 | LF | 1-1/4" x 8-1/2" Custom Shaped White Pine | 38.37 | 1.54 |
| 06 46 36 00-0624 | LF | 1-1/4" x 9-1/2" Custom Shaped White Pine | 42.13 | 1.54 |
| 06 46 36 00-0625 | LF | 1-1/4" x 10-1/2" Custom Shaped White Pine | 46.08 | 1.65 |
| 06 46 36 00-0626 | LF | 1-1/4" x 11-1/2" Custom Shaped White Pine | 49.94 | 1.76 |
| 06 46 36 00-0627 | LF | 1-1/2" x 1-1/2" Custom Shaped White Pine | 14.47 | 1.22 |
| 06 46 36 00-0628 | LF | 1-1/2" x 2-1/2" Custom Shaped White Pine | 19.71 | 1.33 |
| 06 46 36 00-0629 | LF | 1-1/2" x 3-1/2" Custom Shaped White Pine | 24.95 | 1.33 |
| 06 46 36 00-0630 | LF | 1-1/2" x 4-1/2" Custom Shaped White Pine | 30.21 | 1.43 |
| 06 46 36 00-0631 | LF | 1-1/2" x 5-1/2" Custom Shaped White Pine | 35.47 | 1.43 |
| 06 46 36 00-0632 | LF | 1-1/2" x 6-1/2" Custom Shaped White Pine | 40.95 | 1.54 |
| 06 46 36 00-0633 | LF | 1-1/2" x 7-1/2" Custom Shaped White Pine | 46.18 | 1.54 |
| 06 46 36 00-0634 | LF | 1-1/2" x 8-1/2" Custom Shaped White Pine | 51.46 | 1.65 |
| 06 46 36 00-0635 | LF | 1-1/2" x 9-1/2" Custom Shaped White Pine | 57.72 | 1.65 |
| 06 46 36 00-0636 | LF | 1-1/2" x 10-1/2" Custom Shaped White Pine | 62.04 | 1.76 |
| 06 46 36 00-0637 | LF | 1-1/2" x 11-1/2" Custom Shaped White Pine | 67.33 | 1.76 |
| 06 46 36 00-0638 | LF | 2" x 1-1/2" Custom Shaped White Pine | 22.46 | 1.33 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0639 | LF | 2" x 2-1/2" Custom Shaped White Pine | 31.64 | 1.33 |
| 06 46 36 00-0640 | LF | 2" x 3-1/2" Custom Shaped White Pine | 40.82 | 1.33 |
| 06 46 36 00-0641 | LF | 2" x 4-1/2" Custom Shaped White Pine | 50.11 | 1.43 |
| 06 46 36 00-0642 | LF | 2" x 5-1/2" Custom Shaped White Pine | 59.30 | 1.43 |
| 06 46 36 00-0643 | LF | 2" x 6-1/2" Custom Shaped White Pine | 68.69 | 1.54 |
| 06 46 36 00-0644 | LF | 2" x 7-1/2" Custom Shaped White Pine | 77.87 | 1.54 |
| 06 46 36 00-0645 | LF | 2" x 8-1/2" Custom Shaped White Pine | 87.18 | 1.65 |
| 06 46 36 00-0646 | LF | 2" x 9-1/2" Custom Shaped White Pine | 96.35 | 1.65 |
| 06 46 36 00-0647 | LF | 2" x 10-1/2" Custom Shaped White Pine | 105.54 | 1.76 |
| 06 46 36 00-0648 | LF | 2" x 11-1/2" Custom Shaped White Pine | 114.95 | 1.87 |
| 06 46 36 00-0649 | LF | 2-1/2" x 1-1/2" Custom Shaped White Pine | 26.84 | 1.33 |
| 06 46 36 00-0650 | LF | 2-1/2" x 2-1/2" Custom Shaped White Pine | 38.15 | 1.33 |
| 06 46 36 00-0651 | LF | 2-1/2" x 3-1/2" Custom Shaped White Pine | 49.47 | 1.43 |
| 06 46 36 00-0652 | LF | 2-1/2" x 4-1/2" Custom Shaped White Pine | 60.89 | 1.43 |
| 06 46 36 00-0653 | LF | 2-1/2" x 5-1/2" Custom Shaped White Pine | 72.22 | 1.43 |
| 06 46 36 00-0654 | LF | 2-1/2" x 6-1/2" Custom Shaped White Pine | 83.75 | 1.54 |
| 06 46 36 00-0655 | LF | 2-1/2" x 7-1/2" Custom Shaped White Pine | 95.07 | 1.65 |
| 06 46 36 00-0656 | LF | 2-1/2" x 8-1/2" Custom Shaped White Pine | 106.50 | 1.65 |
| 06 46 36 00-0657 | LF | 2-1/2" x 9-1/2" Custom Shaped White Pine | 117.81 | 1.76 |
| 06 46 36 00-0658 | LF | 2-1/2" x 10-1/2" Custom Shaped White Pine | 129.14 | 1.76 |
| 06 46 36 00-0659 | LF | 2-1/2" x 11-1/2" Custom Shaped White Pine | 140.67 | 1.87 |
| 06 46 36 00-0660 | LF | 3-1/2" x 3-1/2" Custom Shaped White Pine | 68.80 | 1.43 |
| 06 46 36 00-0661 | LF | 3-1/2" x 4-1/2" Custom Shaped White Pine | 85.02 | 1.43 |
| 06 46 36 00-0662 | LF | 3-1/2" x 5-1/2" Custom Shaped White Pine | 101.15 | 1.54 |
| 06 46 36 00-0663 | LF | 3-1/2" x 6-1/2" Custom Shaped White Pine | 117.49 | 1.65 |
| 06 46 36 00-0664 | LF | 3-1/2" x 7-1/2" Custom Shaped White Pine | 133.61 | 1.65 |
| 06 46 36 00-0665 | LF | 3-1/2" x 8-1/2" Custom Shaped White Pine | 149.84 | 1.76 |
| 06 46 36 00-0666 | LF | 3-1/2" x 9-1/2" Custom Shaped White Pine | 165.95 | 1.76 |
| 06 46 36 00-0667 | LF | 3-1/2" x 10-1/2" Custom Shaped White Pine | 182.08 | 1.76 |
| 06 46 36 00-0668 | LF | 3-1/2" x 11-1/2" Custom Shaped White Pine | 198.43 | 1.87 |
| **06 46 36 00-0669** | | **Clear Yellow Pine** *(06 46 36)* | | |
| 06 46 36 00-0670 | LF | 3/4" x 1-1/2" Custom Shaped "C" Y Pine | 6.02 | 1.22 |
| 06 46 36 00-0671 | LF | 3/4" x 2-1/2" Custom Shaped "C" Y Pine | 7.21 | 1.22 |
| 06 46 36 00-0672 | LF | 3/4" x 3-1/2" Custom Shaped "C" Y Pine | 8.41 | 1.22 |
| 06 46 36 00-0673 | LF | 3/4" x 4-1/2" Custom Shaped "C" Y Pine | 9.60 | 1.33 |
| 06 46 36 00-0674 | LF | 3/4" x 5-1/2" Custom Shaped "C" Y Pine | 10.91 | 1.33 |
| 06 46 36 00-0675 | LF | 3/4" x 6-1/2" Custom Shaped "C" Y Pine | 12.22 | 1.43 |
| 06 46 36 00-0676 | LF | 3/4" x 7-1/2" Custom Shaped "C" Y Pine | 13.40 | 1.43 |
| 06 46 36 00-0677 | LF | 3/4" x 8-1/2" Custom Shaped "C" Y Pine | 14.62 | 1.43 |
| 06 46 36 00-0678 | LF | 1" x 1-1/2" Custom Shaped "C" Y Pine | 6.94 | 1.22 |
| 06 46 36 00-0679 | LF | 1" x 2-1/2" Custom Shaped "C" Y Pine | 8.55 | 1.22 |
| 06 46 36 00-0680 | LF | 1" x 3-1/2" Custom Shaped "C" Y Pine | 10.12 | 1.33 |
| 06 46 36 00-0681 | LF | 1" x 4-1/2" Custom Shaped "C" Y Pine | 11.74 | 1.33 |
| 06 46 36 00-0682 | LF | 1" x 5-1/2" Custom Shaped "C" Y Pine | 13.43 | 1.43 |
| 06 46 36 00-0683 | LF | 1" x 6-1/2" Custom Shaped "C" Y Pine | 15.16 | 1.43 |
| 06 46 36 00-0684 | LF | 1" x 7-1/2" Custom Shaped "C" Y Pine | 17.25 | 1.43 |
| 06 46 36 00-0685 | LF | 1" x 8-1/2" Custom Shaped "C" Y Pine | 18.94 | 1.54 |
| 06 46 36 00-0686 | LF | 1-1/2" x 1-1/2" Custom Shaped "C" Y Pine | 8.06 | 1.22 |
| 06 46 36 00-0687 | LF | 1-1/2" x 2-1/2" Custom Shaped "C" Y Pine | 10.10 | 1.33 |
| 06 46 36 00-0688 | LF | 1-1/2" x 3-1/2" Custom Shaped "C" Y Pine | 12.15 | 1.33 |
| 06 46 36 00-0689 | LF | 1-1/2" x 4-1/2" Custom Shaped "C" Y Pine | 14.20 | 1.43 |
| 06 46 36 00-0690 | LF | 1-1/2" x 5-1/2" Custom Shaped "C" Y Pine | 16.26 | 1.43 |
| 06 46 36 00-0691 | LF | 1-1/2" x 6-1/2" Custom Shaped "C" Y Pine | 18.53 | 1.54 |
| 06 46 36 00-0692 | LF | 1-1/2" x 7-1/2" Custom Shaped "C" Y Pine | 20.56 | 1.54 |
| 06 46 36 00-0693 | LF | 1-1/2" x 8-1/2" Custom Shaped "C" Y Pine | 22.64 | 1.65 |
| 06 46 36 00-0694 | LF | 1-1/2" x 9-1/2" Custom Shaped "C" Y Pine | 26.23 | 1.65 |
| 06 46 36 00-0695 | LF | 1-1/2" x 10-1/2" Custom Shaped "C" Y Pine | 27.03 | 1.76 |
| **06 46 36 00-0696** | | **Poplar** *(06 46 36)* | | |
| 06 46 36 00-0697 | LF | 3/4" x 1-1/2" Custom Shaped Poplar | 6.35 | 1.22 |
| 06 46 36 00-0698 | LF | 3/4" x 2-1/2" Custom Shaped Poplar | 7.69 | 1.22 |
| 06 46 36 00-0699 | LF | 3/4" x 3-1/2" Custom Shaped Poplar | 9.05 | 1.22 |
| 06 46 36 00-0700 | LF | 3/4" x 4-1/2" Custom Shaped Poplar | 10.40 | 1.33 |
| 06 46 36 00-0701 | LF | 3/4" x 5-1/2" Custom Shaped Poplar | 11.88 | 1.33 |
| 06 46 36 00-0702 | LF | 3/4" x 6-1/2" Custom Shaped Poplar | 13.34 | 1.43 |
| 06 46 36 00-0703 | LF | 3/4" x 7-1/2" Custom Shaped Poplar | 14.68 | 1.43 |
| 06 46 36 00-0704 | LF | 3/4" x 8-1/2" Custom Shaped Poplar | 16.06 | 1.43 |
| 06 46 36 00-0705 | LF | 3/4" x 9-1/2" Custom Shaped Poplar | 17.36 | 1.54 |
| 06 46 36 00-0706 | LF | 3/4" x 10-1/2" Custom Shaped Poplar | 18.85 | 1.65 |
| 06 46 36 00-0707 | LF | 3/4" x 11-1/2" Custom Shaped Poplar | 20.37 | 1.65 |
| 06 46 36 00-0708 | LF | 1" x 1-1/2" Custom Shaped Poplar | 7.36 | 1.22 |
| 06 46 36 00-0709 | LF | 1" x 2-1/2" Custom Shaped Poplar | 9.14 | 1.22 |
| 06 46 36 00-0710 | LF | 1" x 3-1/2" Custom Shaped Poplar | 10.92 | 1.33 |
| 06 46 36 00-0711 | LF | 1" x 4-1/2" Custom Shaped Poplar | 12.70 | 1.33 |
| 06 46 36 00-0712 | LF | 1" x 5-1/2" Custom Shaped Poplar | 14.65 | 1.43 |
| 06 46 36 00-0713 | LF | 1" x 6-1/2" Custom Shaped Poplar | 16.55 | 1.43 |
| 06 46 36 00-0714 | LF | 1" x 7-1/2" Custom Shaped Poplar | 18.31 | 1.43 |
| 06 46 36 00-0715 | LF | 1" x 8-1/2" Custom Shaped Poplar | 20.12 | 1.54 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0716 | LF | 1" x 9-1/2" Custom Shaped Poplar | 21.90 | 1.54 |
| 06 46 36 00-0717 | LF | 1" x 10-1/2" Custom Shaped Poplar | 23.82 | 1.65 |
| 06 46 36 00-0718 | LF | 1" x 11-1/2" Custom Shaped Poplar | 25.65 | 1.65 |
| 06 46 36 00-0719 | LF | 1-1/4" x 1-1/2" Custom Shaped Poplar | 8.27 | 1.22 |
| 06 46 36 00-0720 | LF | 1-1/4" x 2-1/2" Custom Shaped Poplar | 10.47 | 1.22 |
| 06 46 36 00-0721 | LF | 1-1/4" x 3-1/2" Custom Shaped Poplar | 12.68 | 1.33 |
| 06 46 36 00-0722 | LF | 1-1/4" x 4-1/2" Custom Shaped Poplar | 14.89 | 1.33 |
| 06 46 36 00-0723 | LF | 1-1/4" x 5-1/2" Custom Shaped Poplar | 17.22 | 1.43 |
| 06 46 36 00-0724 | LF | 1-1/4" x 6-1/2" Custom Shaped Poplar | 19.54 | 1.43 |
| 06 46 36 00-0725 | LF | 1-1/4" x 7-1/2" Custom Shaped Poplar | 21.73 | 1.54 |
| 06 46 36 00-0726 | LF | 1-1/4" x 8-1/2" Custom Shaped Poplar | 23.96 | 1.54 |
| 06 46 36 00-0727 | LF | 1-1/4" x 9-1/2" Custom Shaped Poplar | 26.11 | 1.54 |
| 06 46 36 00-0728 | LF | 1-1/4" x 10-1/2" Custom Shaped Poplar | 28.47 | 1.65 |
| 06 46 36 00-0729 | LF | 1-1/4" x 11-1/2" Custom Shaped Poplar | 30.73 | 1.76 |
| 06 46 36 00-0730 | LF | 1-1/2" x 1-1/2" Custom Shaped Poplar | 10.41 | 1.22 |
| 06 46 36 00-0731 | LF | 1-1/2" x 2-1/2" Custom Shaped Poplar | 13.63 | 1.33 |
| 06 46 36 00-0732 | LF | 1-1/2" x 3-1/2" Custom Shaped Poplar | 16.84 | 1.33 |
| 06 46 36 00-0733 | LF | 1-1/2" x 4-1/2" Custom Shaped Poplar | 20.07 | 1.43 |
| 06 46 36 00-0734 | LF | 1-1/2" x 5-1/2" Custom Shaped Poplar | 23.30 | 1.43 |
| 06 46 36 00-0735 | LF | 1-1/2" x 6-1/2" Custom Shaped Poplar | 26.75 | 1.54 |
| 06 46 36 00-0736 | LF | 1-1/2" x 7-1/2" Custom Shaped Poplar | 29.95 | 1.54 |
| 06 46 36 00-0737 | LF | 1-1/2" x 8-1/2" Custom Shaped Poplar | 33.21 | 1.65 |
| 06 46 36 00-0738 | LF | 1-1/2" x 9-1/2" Custom Shaped Poplar | 36.38 | 1.65 |
| 06 46 36 00-0739 | LF | 1-1/2" x 10-1/2" Custom Shaped Poplar | 39.73 | 1.76 |
| 06 46 36 00-0740 | LF | 1-1/2" x 11-1/2" Custom Shaped Poplar | 43.00 | 1.76 |
| 06 46 36 00-0741 | LF | 2" x 1-1/2" Custom Shaped Poplar | 13.65 | 1.33 |
| 06 46 36 00-0742 | LF | 2" x 2-1/2" Custom Shaped Poplar | 18.46 | 1.33 |
| 06 46 36 00-0743 | LF | 2" x 3-1/2" Custom Shaped Poplar | 23.21 | 1.33 |
| 06 46 36 00-0744 | LF | 2" x 4-1/2" Custom Shaped Poplar | 28.12 | 1.43 |
| 06 46 36 00-0745 | LF | 2" x 5-1/2" Custom Shaped Poplar | 32.88 | 1.43 |
| 06 46 36 00-0746 | LF | 2" x 6-1/2" Custom Shaped Poplar | 37.90 | 1.54 |
| 06 46 36 00-0747 | LF | 2" x 7-1/2" Custom Shaped Poplar | 42.65 | 1.54 |
| 06 46 36 00-0748 | LF | 2" x 8-1/2" Custom Shaped Poplar | 47.58 | 1.65 |
| 06 46 36 00-0749 | LF | 2" x 9-1/2" Custom Shaped Poplar | 52.32 | 1.65 |
| 06 46 36 00-0750 | LF | 2" x 10-1/2" Custom Shaped Poplar | 57.14 | 1.76 |
| 06 46 36 00-0751 | LF | 2" x 11-1/2" Custom Shaped Poplar | 62.11 | 1.87 |
| 06 46 36 00-0752 | LF | 2-1/2" x 1-1/2" Custom Shaped Poplar | 16.91 | 1.33 |
| 06 46 36 00-0753 | LF | 2-1/2" x 2-1/2" Custom Shaped Poplar | 23.26 | 1.33 |
| 06 46 36 00-0754 | LF | 2-1/2" x 3-1/2" Custom Shaped Poplar | 29.62 | 1.43 |
| 06 46 36 00-0755 | LF | 2-1/2" x 4-1/2" Custom Shaped Poplar | 36.07 | 1.43 |
| 06 46 36 00-0756 | LF | 2-1/2" x 5-1/2" Custom Shaped Poplar | 42.44 | 1.43 |
| 06 46 36 00-0757 | LF | 2-1/2" x 6-1/2" Custom Shaped Poplar | 49.00 | 1.54 |
| 06 46 36 00-0758 | LF | 2-1/2" x 7-1/2" Custom Shaped Poplar | 55.37 | 1.65 |
| 06 46 36 00-0759 | LF | 2-1/2" x 8-1/2" Custom Shaped Poplar | 61.83 | 1.65 |
| 06 46 36 00-0760 | LF | 2-1/2" x 9-1/2" Custom Shaped Poplar | 68.17 | 1.76 |
| 06 46 36 00-0761 | LF | 2-1/2" x 10-1/2" Custom Shaped Poplar | 74.54 | 1.76 |
| 06 46 36 00-0762 | LF | 2-1/2" x 11-1/2" Custom Shaped Poplar | 81.11 | 1.87 |
| 06 46 36 00-0763 | LF | 3-1/2" x 3-1/2" Custom Shaped Poplar | 40.62 | 1.43 |
| 06 46 36 00-0764 | LF | 3-1/2" x 4-1/2" Custom Shaped Poplar | 49.79 | 1.43 |
| 06 46 36 00-0765 | LF | 3-1/2" x 5-1/2" Custom Shaped Poplar | 58.88 | 1.54 |
| 06 46 36 00-0766 | LF | 3-1/2" x 6-1/2" Custom Shaped Poplar | 68.28 | 1.65 |
| 06 46 36 00-0767 | LF | 3-1/2" x 7-1/2" Custom Shaped Poplar | 77.25 | 1.65 |
| 06 46 36 00-0768 | LF | 3-1/2" x 8-1/2" Custom Shaped Poplar | 86.44 | 1.76 |
| 06 46 36 00-0769 | LF | 3-1/2" x 9-1/2" Custom Shaped Poplar | 95.50 | 1.76 |
| 06 46 36 00-0770 | LF | 3-1/2" x 10-1/2" Custom Shaped Poplar | 104.59 | 1.76 |
| 06 46 36 00-0771 | LF | 3-1/2" x 11-1/2" Custom Shaped Poplar | 113.89 | 1.87 |

## 06 46 36 00-0772 Clear Heart Redwood *(06 46 36)*

| | | | | |
|---|---|---|---|---|
| 06 46 36 00-0773 | LF | 3/4" x 1-1/2" Custom Shaped Clear Heart Redwood | 7.84 | 1.22 |
| 06 46 36 00-0774 | LF | 3/4" x 2-1/2" Custom Shaped Clear Heart Redwood | 9.93 | 1.22 |
| 06 46 36 00-0775 | LF | 3/4" x 3-1/2" Custom Shaped Clear Heart Redwood | 12.04 | 1.22 |
| 06 46 36 00-0776 | LF | 3/4" x 4-1/2" Custom Shaped Clear Heart Redwood | 14.13 | 1.33 |
| 06 46 36 00-0777 | LF | 3/4" x 5-1/2" Custom Shaped Clear Heart Redwood | 16.36 | 1.33 |
| 06 46 36 00-0778 | LF | 3/4" x 6-1/2" Custom Shaped Clear Heart Redwood | 18.57 | 1.43 |
| 06 46 36 00-0779 | LF | 3/4" x 7-1/2" Custom Shaped Clear Heart Redwood | 22.79 | 1.43 |
| 06 46 36 00-0780 | LF | 3/4" x 8-1/2" Custom Shaped Clear Heart Redwood | 25.18 | 1.43 |
| 06 46 36 00-0781 | LF | 3/4" x 9-1/2" Custom Shaped Clear Heart Redwood | 25.31 | 1.54 |
| 06 46 36 00-0782 | LF | 3/4" x 10-1/2" Custom Shaped Clear Heart Redwood | 27.07 | 1.65 |
| 06 46 36 00-0783 | LF | 1" x 1-1/2" Custom Shaped Clear Heart Redwood | 9.50 | 1.22 |
| 06 46 36 00-0784 | LF | 1" x 2-1/2" Custom Shaped Clear Heart Redwood | 12.34 | 1.22 |
| 06 46 36 00-0785 | LF | 1" x 3-1/2" Custom Shaped Clear Heart Redwood | 15.19 | 1.33 |
| 06 46 36 00-0786 | LF | 1" x 4-1/2" Custom Shaped Clear Heart Redwood | 18.03 | 1.33 |
| 06 46 36 00-0787 | LF | 1" x 5-1/2" Custom Shaped Clear Heart Redwood | 21.06 | 1.43 |
| 06 46 36 00-0788 | LF | 1" x 6-1/2" Custom Shaped Clear Heart Redwood | 24.02 | 1.43 |
| 06 46 36 00-0789 | LF | 1" x 7-1/2" Custom Shaped Clear Heart Redwood | 30.59 | 1.43 |
| 06 46 36 00-0790 | LF | 1" x 8-1/2" Custom Shaped Clear Heart Redwood | 33.94 | 1.54 |
| 06 46 36 00-0791 | LF | 1" x 9-1/2" Custom Shaped Clear Heart Redwood | 37.21 | 1.54 |
| 06 46 36 00-0792 | LF | 1" x 10-1/2" Custom Shaped Clear Heart Redwood | 40.68 | 1.65 |
| 06 46 36 00-0793 | LF | 1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood | 12.55 | 1.22 |
| 06 46 36 00-0794 | LF | 1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood | 16.83 | 1.33 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0795 | LF | 1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood | 21.11 | 1.33 |
| 06 46 36 00-0796 | LF | 1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood | 25.40 | 1.43 |
| 06 46 36 00-0797 | LF | 1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood | 29.71 | 1.43 |
| 06 46 36 00-0798 | LF | 1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood | 34.33 | 1.54 |
| 06 46 36 00-0799 | LF | 1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood | 46.18 | 1.54 |
| 06 46 36 00-0800 | LF | 1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood | 51.46 | 1.65 |
| 06 46 36 00-0801 | LF | 1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood | 60.93 | 1.65 |
| 06 46 36 00-0802 | LF | 1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood | 66.74 | 1.76 |
| 06 46 36 00-0803 | LF | 3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood | 64.53 | 1.43 |
| 06 46 36 00-0804 | LF | 3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood | 79.68 | 1.43 |
| 06 46 36 00-0805 | LF | 3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood | 94.74 | 1.54 |
| 06 46 36 00-0806 | LF | 3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood | 110.02 | 1.65 |
| 06 46 36 00-0807 | LF | 3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood | 125.07 | 1.65 |
| 06 46 36 00-0808 | LF | 3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood | 140.23 | 1.76 |
| 06 46 36 00-0809 | LF | 3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood | 155.28 | 1.76 |
| 06 46 36 00-0810 | LF | 3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood | 170.34 | 1.76 |
| 06 46 36 00-0811 | LF | 3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood | 185.62 | 1.87 |
| **06 46 36 00-0812** | | **Teak** *(06 46 36)* | | |
| 06 46 36 00-0813 | LF | 3/4" x 1-1/2" Custom Shaped Teak | 22.14 | 1.22 |
| 06 46 36 00-0814 | LF | 3/4" x 2-1/2" Custom Shaped Teak | 31.39 | 1.22 |
| 06 46 36 00-0815 | LF | 3/4" x 3-1/2" Custom Shaped Teak | 40.65 | 1.22 |
| 06 46 36 00-0816 | LF | 3/4" x 4-1/2" Custom Shaped Teak | 49.89 | 1.33 |
| 06 46 36 00-0817 | LF | 3/4" x 5-1/2" Custom Shaped Teak | 59.27 | 1.33 |
| 06 46 36 00-0818 | LF | 3/4" x 6-1/2" Custom Shaped Teak | 68.63 | 1.43 |
| 06 46 36 00-0819 | LF | 3/4" x 7-1/2" Custom Shaped Teak | 77.87 | 1.43 |
| 06 46 36 00-0820 | LF | 3/4" x 8-1/2" Custom Shaped Teak | 87.15 | 1.43 |
| 06 46 36 00-0821 | LF | 3/4" x 9-1/2" Custom Shaped Teak | 96.34 | 1.54 |
| 06 46 36 00-0822 | LF | 3/4" x 10-1/2" Custom Shaped Teak | 105.74 | 1.65 |
| 06 46 36 00-0823 | LF | 3/4" x 11-1/2" Custom Shaped Teak | 115.05 | 1.65 |
| 06 46 36 00-0824 | LF | 1-1/2" x 1-1/2" Custom Shaped Teak | 51.40 | 1.22 |
| 06 46 36 00-0825 | LF | 1-1/2" x 2-1/2" Custom Shaped Teak | 59.10 | 1.33 |
| 06 46 36 00-0826 | LF | 1-1/2" x 3-1/2" Custom Shaped Teak | 77.47 | 1.33 |
| 06 46 36 00-0827 | LF | 1-1/2" x 4-1/2" Custom Shaped Teak | 95.85 | 1.43 |
| 06 46 36 00-0828 | LF | 1-1/2" x 5-1/2" Custom Shaped Teak | 114.25 | 1.43 |
| 06 46 36 00-0829 | LF | 1-1/2" x 6-1/2" Custom Shaped Teak | 132.32 | 1.54 |
| 06 46 36 00-0830 | LF | 1-1/2" x 7-1/2" Custom Shaped Teak | 151.21 | 1.54 |
| 06 46 36 00-0831 | LF | 1-1/2" x 8-1/2" Custom Shaped Teak | 169.63 | 1.65 |
| 06 46 36 00-0832 | LF | 1-1/2" x 9-1/2" Custom Shaped Teak | 187.95 | 1.65 |
| 06 46 36 00-0833 | LF | 1-1/2" x 10-1/2" Custom Shaped Teak | 206.46 | 1.76 |
| 06 46 36 00-0834 | LF | 1-1/2" x 11-1/2" Custom Shaped Teak | 224.88 | 1.76 |
| **06 46 36 00-0835** | | **Walnut** *(06 46 36)* | | |
| 06 46 36 00-0836 | LF | 3/4" x 1-1/2" Custom Shaped Walnut | 12.00 | 1.22 |
| 06 46 36 00-0837 | LF | 3/4" x 2-1/2" Custom Shaped Walnut | 16.18 | 1.22 |
| 06 46 36 00-0838 | LF | 3/4" x 3-1/2" Custom Shaped Walnut | 20.36 | 1.22 |
| 06 46 36 00-0839 | LF | 3/4" x 4-1/2" Custom Shaped Walnut | 24.54 | 1.33 |
| 06 46 36 00-0840 | LF | 3/4" x 5-1/2" Custom Shaped Walnut | 28.85 | 1.33 |
| 06 46 36 00-0841 | LF | 3/4" x 6-1/2" Custom Shaped Walnut | 33.14 | 1.43 |
| 06 46 36 00-0842 | LF | 3/4" x 7-1/2" Custom Shaped Walnut | 37.31 | 1.43 |
| 06 46 36 00-0843 | LF | 3/4" x 8-1/2" Custom Shaped Walnut | 41.52 | 1.43 |
| 06 46 36 00-0844 | LF | 3/4" x 9-1/2" Custom Shaped Walnut | 45.64 | 1.54 |
| 06 46 36 00-0845 | LF | 3/4" x 10-1/2" Custom Shaped Walnut | 49.97 | 1.65 |
| 06 46 36 00-0846 | LF | 3/4" x 11-1/2" Custom Shaped Walnut | 54.20 | 1.65 |
| 06 46 36 00-0847 | LF | 1" x 1-1/2" Custom Shaped Walnut | 14.41 | 1.22 |
| 06 46 36 00-0848 | LF | 1" x 2-1/2" Custom Shaped Walnut | 19.76 | 1.22 |
| 06 46 36 00-0849 | LF | 1" x 3-1/2" Custom Shaped Walnut | 25.06 | 1.33 |
| 06 46 36 00-0850 | LF | 1" x 4-1/2" Custom Shaped Walnut | 30.41 | 1.33 |
| 06 46 36 00-0851 | LF | 1" x 5-1/2" Custom Shaped Walnut | 35.84 | 1.43 |
| 06 46 36 00-0852 | LF | 1" x 6-1/2" Custom Shaped Walnut | 41.31 | 1.43 |
| 06 46 36 00-0853 | LF | 1" x 7-1/2" Custom Shaped Walnut | 46.60 | 1.43 |
| 06 46 36 00-0854 | LF | 1" x 8-1/2" Custom Shaped Walnut | 51.98 | 1.54 |
| 06 46 36 00-0855 | LF | 1" x 9-1/2" Custom Shaped Walnut | 57.23 | 1.54 |
| 06 46 36 00-0856 | LF | 1" x 10-1/2" Custom Shaped Walnut | 62.73 | 1.65 |
| 06 46 36 00-0857 | LF | 1" x 11-1/2" Custom Shaped Walnut | 68.08 | 1.65 |
| 06 46 36 00-0858 | LF | 1-1/4" x 1-1/2" Custom Shaped Walnut | 17.72 | 1.22 |
| 06 46 36 00-0859 | LF | 1-1/4" x 2-1/2" Custom Shaped Walnut | 24.67 | 1.22 |
| 06 46 36 00-0860 | LF | 1-1/4" x 3-1/2" Custom Shaped Walnut | 31.57 | 1.33 |
| 06 46 36 00-0861 | LF | 1-1/4" x 4-1/2" Custom Shaped Walnut | 38.53 | 1.33 |
| 06 46 36 00-0862 | LF | 1-1/4" x 5-1/2" Custom Shaped Walnut | 45.56 | 1.43 |
| 06 46 36 00-0863 | LF | 1-1/4" x 6-1/2" Custom Shaped Walnut | 52.63 | 1.43 |
| 06 46 36 00-0864 | LF | 1-1/4" x 7-1/2" Custom Shaped Walnut | 59.52 | 1.54 |
| 06 46 36 00-0865 | LF | 1-1/4" x 8-1/2" Custom Shaped Walnut | 66.50 | 1.54 |
| 06 46 36 00-0866 | LF | 1-1/4" x 9-1/2" Custom Shaped Walnut | 73.35 | 1.54 |
| 06 46 36 00-0867 | LF | 1-1/4" x 10-1/2" Custom Shaped Walnut | 80.45 | 1.65 |
| 06 46 36 00-0868 | LF | 1-1/4" x 11-1/2" Custom Shaped Walnut | 87.41 | 1.76 |
| 06 46 36 00-0869 | LF | 1-1/2" x 1-1/2" Custom Shaped Walnut | 24.07 | 1.22 |
| 06 46 36 00-0870 | LF | 1-1/2" x 2-1/2" Custom Shaped Walnut | 34.12 | 1.33 |
| 06 46 36 00-0871 | LF | 1-1/2" x 3-1/2" Custom Shaped Walnut | 44.17 | 1.33 |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 46 36 00-0872 | LF | 1-1/2" x 4-1/2" Custom Shaped Walnut | 54.22 | 1.43 |
| 06 46 36 00-0873 | LF | 1-1/2" x 5-1/2" Custom Shaped Walnut | 64.29 | 1.43 |
| 06 46 36 00-0874 | LF | 1-1/2" x 6-1/2" Custom Shaped Walnut | 74.57 | 1.54 |
| 06 46 36 00-0875 | LF | 1-1/2" x 7-1/2" Custom Shaped Walnut | 84.61 | 1.54 |
| 06 46 36 00-0876 | LF | 1-1/2" x 8-1/2" Custom Shaped Walnut | 94.69 | 1.65 |
| 06 46 36 00-0877 | LF | 1-1/2" x 9-1/2" Custom Shaped Walnut | 105.76 | 1.65 |
| 06 46 36 00-0878 | LF | 1-1/2" x 10-1/2" Custom Shaped Walnut | 114.88 | 1.76 |
| 06 46 36 00-0879 | LF | 1-1/2" x 11-1/2" Custom Shaped Walnut | 124.97 | 1.76 |
| 06 46 36 00-0880 | LF | 2" x 1-1/2" Custom Shaped Walnut | 40.60 | 1.33 |
| 06 46 36 00-0881 | LF | 2" x 2-1/2" Custom Shaped Walnut | 58.86 | 1.33 |
| 06 46 36 00-0882 | LF | 2" x 3-1/2" Custom Shaped Walnut | 77.11 | 1.33 |
| 06 46 36 00-0883 | LF | 2" x 4-1/2" Custom Shaped Walnut | 95.47 | 1.43 |
| 06 46 36 00-0884 | LF | 2" x 5-1/2" Custom Shaped Walnut | 113.74 | 1.43 |
| 06 46 36 00-0885 | LF | 2" x 6-1/2" Custom Shaped Walnut | 132.20 | 1.54 |
| 06 46 36 00-0886 | LF | 2" x 7-1/2" Custom Shaped Walnut | 150.46 | 1.54 |
| 06 46 36 00-0887 | LF | 2" x 8-1/2" Custom Shaped Walnut | 168.84 | 1.65 |
| 06 46 36 00-0888 | LF | 2" x 9-1/2" Custom Shaped Walnut | 187.08 | 1.65 |
| 06 46 36 00-0889 | LF | 2" x 10-1/2" Custom Shaped Walnut | 205.35 | 1.76 |
| 06 46 36 00-0890 | LF | 2" x 11-1/2" Custom Shaped Walnut | 223.82 | 1.87 |
| 06 46 36 00-0891 | LF | 2-1/2" x 1-1/2" Custom Shaped Walnut | 50.85 | 1.33 |
| 06 46 36 00-0892 | LF | 2-1/2" x 2-1/2" Custom Shaped Walnut | 74.18 | 1.33 |
| 06 46 36 00-0893 | LF | 2-1/2" x 3-1/2" Custom Shaped Walnut | 97.51 | 1.43 |
| 06 46 36 00-0894 | LF | 2-1/2" x 4-1/2" Custom Shaped Walnut | 120.93 | 1.43 |
| 06 46 36 00-0895 | LF | 2-1/2" x 5-1/2" Custom Shaped Walnut | 144.27 | 1.43 |
| 06 46 36 00-0896 | LF | 2-1/2" x 6-1/2" Custom Shaped Walnut | 167.80 | 1.54 |
| 06 46 36 00-0897 | LF | 2-1/2" x 7-1/2" Custom Shaped Walnut | 191.14 | 1.65 |
| 06 46 36 00-0898 | LF | 2-1/2" x 8-1/2" Custom Shaped Walnut | 214.58 | 1.65 |
| 06 46 36 00-0899 | LF | 2-1/2" x 9-1/2" Custom Shaped Walnut | 237.89 | 1.76 |
| 06 46 36 00-0900 | LF | 2-1/2" x 10-1/2" Custom Shaped Walnut | 261.23 | 1.76 |
| 06 46 36 00-0901 | LF | 2-1/2" x 11-1/2" Custom Shaped Walnut | 284.78 | 1.87 |

## 06 48 Wood Frames *(06 40)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

### 06 48 13 Exterior Wood Door Frames *(06 48)*

#### 06 48 13 00-0001 Exterior Door Frames *(06 48 13)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

| | | | | |
|---|---|---|---|---|
| 06 48 13 00-0002 | EA | 3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim | 298.21 | 62.64 |
| | | *For Birch, Add* | *60.57* | |
| | | *For Mahogany, Add* | *147.10* | |
| 06 48 13 00-0003 | EA | 3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim | 313.54 | 65.64 |
| | | *For Birch, Add* | *64.00* | |
| | | *For Mahogany, Add* | *155.43* | |
| 06 48 13 00-0004 | EA | 4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim | 328.90 | 68.20 |
| | | *For Birch, Add* | *67.42* | |
| | | *For Mahogany, Add* | *163.74* | |
| 06 48 13 00-0005 | EA | 5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim | 358.22 | 72.98 |
| | | *For Birch, Add* | *74.26* | |
| | | *For Mahogany, Add* | *180.35* | |
| 06 48 13 00-0006 | EA | 6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim | 388.20 | 78.21 |
| | | *For Birch, Add* | *81.12* | |
| | | *For Mahogany, Add* | *197.00* | |
| 06 48 13 00-0007 | EA | 3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim | 443.59 | 62.85 |
| 06 48 13 00-0008 | EA | 3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim | 451.77 | 65.64 |
| 06 48 13 00-0009 | EA | 4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim | 459.92 | 68.41 |
| 06 48 13 00-0010 | EA | 5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim | 474.11 | 72.87 |
| 06 48 13 00-0011 | EA | 6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim | 490.61 | 78.43 |
| 06 48 13 00-0012 | EA | 3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim | 348.38 | 62.85 |
| 06 48 13 00-0013 | EA | 3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim | 365.16 | 65.64 |
| 06 48 13 00-0014 | EA | 4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim | 382.04 | 68.41 |
| 06 48 13 00-0015 | EA | 5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim | 413.40 | 72.87 |
| 06 48 13 00-0016 | EA | 6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim | 446.97 | 78.43 |

### 06 48 16 Interior Wood Door Frames *(06 48)*

#### 06 48 16 00-0001 Interior Door Frames *(06 48 16)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

| | | | | |
|---|---|---|---|---|
| 06 48 16 00-0002 | EA | 2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim | 149.17 | 29.82 |
| | | *For Oak Or Maple, Add* | *27.77* | |
| | | *For Birch, Add* | *31.35* | |
| | | *For Mahogany, Add* | *76.13* | |
| | | *For Walnut Frame, Add* | *40.31* | |
| 06 48 16 00-0003 | EA | 2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim | 150.20 | 29.93 |
| | | *For Oak Or Maple, Add* | *28.00* | |
| | | *For Birch, Add* | *31.61* | |
| | | *For Mahogany, Add* | *76.77* | |
| | | *For Walnut Frame, Add* | *40.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 48 16 00-0004 | EA | 2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim | 152.06 | 30.48 |
| | | *For Oak Or Maple, Add* | *28.21* | |
| | | *For Birch, Add* | *31.85* | |
| | | *For Mahogany, Add* | *77.36* | |
| | | *For Walnut Frame, Add* | *40.95* | |
| 06 48 16 00-0005 | EA | 3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim | 154.49 | 31.26 |
| | | *For Oak Or Maple, Add* | *28.49* | |
| | | *For Birch, Add* | *32.17* | |
| | | *For Mahogany, Add* | *78.12* | |
| | | *For Walnut Frame, Add* | *41.36* | |
| 06 48 16 00-0006 | EA | 3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim | 158.03 | 32.04 |
| | | *For Oak Or Maple, Add* | *29.09* | |
| | | *For Birch, Add* | *32.85* | |
| | | *For Mahogany, Add* | *79.77* | |
| | | *For Walnut Frame, Add* | *42.23* | |
| 06 48 16 00-0007 | EA | 4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim | 166.95 | 34.04 |
| | | *For Oak Or Maple, Add* | *30.63* | |
| | | *For Birch, Add* | *34.58* | |
| | | *For Mahogany, Add* | *83.99* | |
| | | *For Walnut Frame, Add* | *44.46* | |
| 06 48 16 00-0008 | EA | 5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim | 177.49 | 36.83 |
| | | *For Oak Or Maple, Add* | *32.17* | |
| | | *For Birch, Add* | *36.33* | |
| | | *For Mahogany, Add* | *88.22* | |
| | | *For Walnut Frame, Add* | *46.71* | |
| 06 48 16 00-0009 | EA | 6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim | 186.97 | 39.15 |
| | | *For Oak Or Maple, Add* | *33.71* | |
| | | *For Birch, Add* | *38.06* | |
| | | *For Mahogany, Add* | *92.44* | |
| | | *For Walnut Frame, Add* | *48.94* | |
| 06 48 16 00-0010 | LF | 4-9/16", Pine Interior Door Frame | 6.98 | 2.67 |
| | | *For Oak Or Maple, Add* | *0.51* | |
| | | *For Birch, Add* | *0.57* | |
| | | *For Mahogany, Add* | *1.39* | |
| | | *For Walnut Frame, Add* | *0.74* | |

## 06 49 Wood Screens and Exterior Wood Shutters *(06 40)*

### 06 49 19 Exterior Wood Shutters *(06 49)*

See CSI section 10 71 13 13-0000 for exterior shutters.

# 06 50 Structural Plastics *(06)*

## 06 51 Structural Plastic Shapes and Plates *(06 50)*

### 06 51 13 Plastic Lumber *(06 51)*

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber *(06 51 13)*

| | | | | |
|---|---|---|---|---|
| 06 51 13 00-0002 | LF | 2" x 6", Beam Or Girder, Recycled Plastic Lumber | 13.33 | 1.79 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *3.98* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.65* | |
| | | *For White Color, Add* | *1.35* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *2.80* | |
| | | *For >750, Deduct* | *-0.97* | |
| 06 51 13 00-0003 | LF | 2" x 8", Beam Or Girder, Recycled Plastic Lumber | 17.11 | 1.94 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *5.30* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.86* | |
| | | *For White Color, Add* | *1.79* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *3.72* | |
| | | *For >750, Deduct* | *-1.29* | |
| 06 51 13 00-0004 | LF | 2" x 10", Beam Or Girder, Recycled Plastic Lumber | 20.53 | 2.11 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *6.49* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.05* | |
| | | *For White Color, Add* | *2.19* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *4.56* | |
| | | *For >750, Deduct* | *-1.58* | |
| 06 51 13 00-0005 | LF | 3" x 10", Beam Or Girder, Recycled Plastic Lumber | 30.14 | 2.49 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *9.83* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.59* | |
| | | *For White Color, Add* | *3.32* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *6.91* | |
| | | *For >750, Deduct* | *-2.39* | |
| 06 51 13 00-0006 | LF | 3" x 12", Beam Or Girder, Recycled Plastic Lumber | 36.14 | 2.81 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *11.89* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.93* | |
| | | *For White Color, Add* | *4.02* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *8.35* | |
| | | *For >750, Deduct* | *-2.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 51 13 00-0007 | LF | 4" x 4", Beam Or Girder, Recycled Plastic Lumber | 19.26 | 2.41 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *5.85* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.95* | |
| | | *For White Color, Add* | *1.98* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *4.11* | |
| | | *For >500, Deduct* | *-1.58* | |
| 06 51 13 00-0008 | LF | 4" x 6", Beam Or Girder, Recycled Plastic Lumber | 26.13 | 2.57 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *8.31* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.35* | |
| | | *For White Color, Add* | *2.81* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *5.84* | |
| | | *For >500, Deduct* | *-2.25* | |
| 06 51 13 00-0009 | LF | 5" x 5", Beam Or Girder, Recycled Plastic Lumber | 27.20 | 2.64 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *8.67* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.41* | |
| | | *For White Color, Add* | *2.93* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *6.09* | |
| | | *For >500, Deduct* | *-2.34* | |
| 06 51 13 00-0010 | LF | 6" x 6", Beam Or Girder, Recycled Plastic Lumber | 37.74 | 2.88 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *12.44* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *2.02* | |
| | | *For White Color, Add* | *4.20* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *8.74* | |
| | | *For >500, Deduct* | *-3.36* | |
| 06 51 13 00-0011 | LF | 6" x 8", Beam Or Girder, Recycled Plastic Lumber | 51.71 | 3.04 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *17.53* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *2.84* | |
| | | *For White Color, Add* | *5.92* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *12.32* | |
| | | *For >500, Deduct* | *-4.74* | |

## 06 51 13 00-0012 Joists, Recycled Plastic Lumber *(06 51 13)*

| | | | | |
|---|---|---|---|---|
| 06 51 13 00-0013 | LF | 2" x 4", Joist, Recycled Plastic Lumber | 8.70 | 1.00 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *2.69* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.44* | |
| | | *For White Color, Add* | *0.91* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *1.89* | |
| | | *For >750, Deduct* | *-0.65* | |
| 06 51 13 00-0014 | LF | 2" x 6", Joist, Recycled Plastic Lumber | 12.21 | 1.06 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *3.98* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.65* | |
| | | *For White Color, Add* | *1.35* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *2.80* | |
| | | *For >750, Deduct* | *-0.97* | |
| 06 51 13 00-0015 | LF | 2" x 8", Joist, Recycled Plastic Lumber | 15.99 | 1.17 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *5.30* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.86* | |
| | | *For White Color, Add* | *1.79* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *3.72* | |
| | | *For >750, Deduct* | *-1.29* | |
| 06 51 13 00-0016 | LF | 2" x 10", Joist, Recycled Plastic Lumber | 19.53 | 1.40 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *6.49* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.05* | |
| | | *For White Color, Add* | *2.19* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *4.56* | |
| | | *For >750, Deduct* | *-1.58* | |
| 06 51 13 00-0017 | LF | 3" x 10", Joist, Recycled Plastic Lumber | 28.92 | 1.64 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *9.83* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.59* | |
| | | *For White Color, Add* | *3.32* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *6.91* | |
| | | *For >750, Deduct* | *-2.39* | |
| 06 51 13 00-0018 | LF | 3" x 12", Joist, Recycled Plastic Lumber | 35.14 | 2.11 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *11.89* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.93* | |
| | | *For White Color, Add* | *4.02* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *8.35* | |
| | | *For >750, Deduct* | *-2.89* | |
| 06 51 13 00-0019 | LF | 4" x 4", Joist, Recycled Plastic Lumber | 17.93 | 1.47 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *5.85* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.95* | |
| | | *For White Color, Add* | *1.98* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *4.11* | |
| | | *For >500, Deduct* | *-1.58* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 51 13 00-0020 | LF | 4" x 6", Joist, Recycled Plastic Lumber | 24.69 | 1.56 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *8.31* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.35* | |
| | | *For White Color, Add* | *2.81* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *5.84* | |
| | | *For >500, Deduct* | *-2.25* | |
| 06 51 13 00-0021 | LF | 5" x 5", Joist, Recycled Plastic Lumber | 25.87 | 1.71 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *8.67* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.41* | |
| | | *For White Color, Add* | *2.93* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *6.09* | |
| | | *For >500, Deduct* | *-2.34* | |
| 06 51 13 00-0022 | LF | 6" x 6", Joist, Recycled Plastic Lumber | 36.40 | 1.94 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *12.44* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *2.02* | |
| | | *For White Color, Add* | *4.20* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *8.74* | |
| | | *For >500, Deduct* | *-3.36* | |
| 06 51 13 00-0023 | LF | 6" x 8", Joist, Recycled Plastic Lumber | 50.38 | 2.11 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *17.53* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *2.84* | |
| | | *For White Color, Add* | *5.92* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *12.32* | |
| | | *For >500, Deduct* | *-4.74* | |
| **06 51 13 00-0024** | | **Columns, Recycled Plastic Lumber** *(06 51 13)* | | |
| 06 51 13 00-0025 | LF | 4" x 4", Column, Recycled Plastic Lumber | 20.38 | 3.19 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *5.85* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.95* | |
| | | *For White Color, Add* | *1.98* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *4.11* | |
| | | *For >500, Deduct* | *-1.58* | |
| 06 51 13 00-0026 | LF | 4" x 6", Column, Recycled Plastic Lumber | 28.91 | 4.52 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *8.31* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.35* | |
| | | *For White Color, Add* | *2.81* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *5.84* | |
| | | *For >500, Deduct* | *-2.25* | |
| 06 51 13 00-0027 | LF | 5" x 5", Column, Recycled Plastic Lumber | 30.65 | 5.06 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *8.67* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.41* | |
| | | *For White Color, Add* | *2.93* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *6.09* | |
| | | *For >500, Deduct* | *-2.34* | |
| 06 51 13 00-0028 | LF | 6" x 6", Column, Recycled Plastic Lumber | 41.85 | 5.77 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *12.44* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *2.02* | |
| | | *For White Color, Add* | *4.20* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *8.74* | |
| | | *For >500, Deduct* | *-3.36* | |
| 06 51 13 00-0029 | LF | 6" x 8", Column, Recycled Plastic Lumber | 57.50 | 7.09 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *17.53* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *2.84* | |
| | | *For White Color, Add* | *5.92* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *12.32* | |
| | | *For >500, Deduct* | *-4.74* | |
| **06 51 13 00-0030** | | **Walls, Recycled Plastic Lumber** *(06 51 13)* | | |
| 06 51 13 00-0031 | LF | 2" x 3", Walls, Recycled Plastic Lumber | 7.79 | 1.00 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *2.35* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.38* | |
| | | *For White Color, Add* | *0.79* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *1.65* | |
| | | *For >750, Deduct* | *-0.57* | |
| 06 51 13 00-0032 | LF | 2" x 4", Walls, Recycled Plastic Lumber | 8.93 | 1.17 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *2.69* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.44* | |
| | | *For White Color, Add* | *0.91* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *1.89* | |
| | | *For >750, Deduct* | *-0.65* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 51 13 00-0033 | LF | 2" x 6", Walls, Recycled Plastic Lumber | 12.55 | 1.25 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *3.98* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.65* | |
| | | *For White Color, Add* | *1.35* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *2.80* | |
| | | *For >750, Deduct* | *-0.97* | |
| 06 51 13 00-0034 | LF | 2" x 8", Walls, Recycled Plastic Lumber | 16.21 | 1.32 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *5.30* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.86* | |
| | | *For White Color, Add* | *1.79* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *3.72* | |
| | | *For >750, Deduct* | *-1.29* | |

## 06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber *(06 51 13)*

| | | | | |
|---|---|---|---|---|
| 06 51 13 00-0036 | LF | 5/4" x 4", Other Shapes, Recycled Plastic Lumber | 7.62 | 0.89 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *2.32* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.38* | |
| | | *For White Color, Add* | *0.78* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *1.63* | |
| | | *For Grooved Edge Deck Boards With Hidden Fasteners, Add* | *0.40* | |
| | | *For >750, Deduct* | *-0.56* | |
| 06 51 13 00-0037 | LF | 5/4" x 6", Other Shapes, Recycled Plastic Lumber | 9.74 | 1.00 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *3.07* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.50* | |
| | | *For White Color, Add* | *1.04* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *2.16* | |
| | | *For Grooved Edge Deck Boards With Hidden Fasteners, Add* | *0.40* | |
| | | *For >750, Deduct* | *-0.75* | |
| 06 51 13 00-0038 | LF | 5/4" x 8", Other Shapes, Recycled Plastic Lumber | 12.83 | 1.00 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *4.21* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.68* | |
| | | *For White Color, Add* | *1.42* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *2.96* | |
| | | *For Grooved Edge Deck Boards With Hidden Fasteners, Add* | *0.40* | |
| | | *For >750, Deduct* | *-1.03* | |
| 06 51 13 00-0039 | LF | 1" x 4", Other Shapes, Recycled Plastic Lumber | 7.66 | 0.89 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *2.33* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.38* | |
| | | *For White Color, Add* | *0.79* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *1.64* | |
| | | *For Grooved Edge Deck Boards With Hidden Fasteners, Add* | *0.40* | |
| | | *For >750, Deduct* | *-0.57* | |
| 06 51 13 00-0040 | LF | 1" x 6", Other Shapes, Recycled Plastic Lumber | 8.48 | 1.00 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *2.60* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.42* | |
| | | *For White Color, Add* | *0.88* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *1.83* | |
| | | *For Grooved Edge Deck Boards With Hidden Fasteners, Add* | *0.40* | |
| | | *For >750, Deduct* | *-0.63* | |
| 06 51 13 00-0041 | LF | 1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber | 8.64 | 1.00 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *2.66* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.43* | |
| | | *For White Color, Add* | *0.90* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *1.87* | |
| | | *For >750, Deduct* | *-0.65* | |
| 06 51 13 00-0042 | LF | 2" x 2", Other Shapes, Recycled Plastic Lumber | 5.24 | 0.85 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *1.48* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.24* | |
| | | *For White Color, Add* | *0.50* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *1.04* | |
| | | *For >750, Deduct* | *-0.36* | |
| 06 51 13 00-0043 | LF | 2" x 3", Other Shapes, Recycled Plastic Lumber | 7.79 | 1.00 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *2.35* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.38* | |
| | | *For White Color, Add* | *0.79* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *1.65* | |
| | | *For >750, Deduct* | *-0.57* | |
| 06 51 13 00-0044 | LF | 2" x 4", Other Shapes, Recycled Plastic Lumber | 8.93 | 1.17 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *2.69* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.44* | |
| | | *For White Color, Add* | *0.91* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *1.89* | |
| | | *For >750, Deduct* | *-0.65* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 51 13 00-0045 | LF | 2" x 6", Other Shapes, Recycled Plastic Lumber | 12.55 | 1.25 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *3.98* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.65* | |
| | | *For White Color, Add* | *1.35* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *2.80* | |
| | | *For >750, Deduct* | *-0.97* | |
| 06 51 13 00-0046 | LF | 2" x 8", Other Shapes, Recycled Plastic Lumber | 16.21 | 1.32 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *5.30* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.86* | |
| | | *For White Color, Add* | *1.79* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *3.72* | |
| | | *For >750, Deduct* | *-1.29* | |
| 06 51 13 00-0047 | LF | 2" x 10", Other Shapes, Recycled Plastic Lumber | 19.53 | 1.40 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *6.49* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.05* | |
| | | *For White Color, Add* | *2.19* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *4.56* | |
| | | *For >750, Deduct* | *-1.58* | |
| 06 51 13 00-0048 | LF | 2" x 12", Other Shapes, Recycled Plastic Lumber | 23.67 | 1.47 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *7.98* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.29* | |
| | | *For White Color, Add* | *2.70* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *5.61* | |
| | | *For >750, Deduct* | *-1.94* | |
| 06 51 13 00-0049 | LF | 3" x 4", Other Shapes, Recycled Plastic Lumber | 12.88 | 1.36 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *4.04* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.66* | |
| | | *For White Color, Add* | *1.37* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *2.84* | |
| | | *For >750, Deduct* | *-0.98* | |
| 06 51 13 00-0050 | LF | 3" x 6", Other Shapes, Recycled Plastic Lumber | 19.03 | 1.45 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *6.28* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.02* | |
| | | *For White Color, Add* | *2.12* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *4.41* | |
| | | *For >750, Deduct* | *-1.53* | |
| 06 51 13 00-0051 | LF | 3" x 8", Other Shapes, Recycled Plastic Lumber | 24.90 | 1.56 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *8.40* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.36* | |
| | | *For White Color, Add* | *2.84* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *5.90* | |
| | | *For >750, Deduct* | *-2.04* | |
| 06 51 13 00-0052 | LF | 3" x 10", Other Shapes, Recycled Plastic Lumber | 28.92 | 1.64 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *9.83* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.59* | |
| | | *For White Color, Add* | *3.32* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *6.91* | |
| | | *For >750, Deduct* | *-2.39* | |
| 06 51 13 00-0053 | LF | 3" x 12", Other Shapes, Recycled Plastic Lumber | 35.14 | 2.11 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *11.89* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.93* | |
| | | *For White Color, Add* | *4.02* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *8.35* | |
| | | *For >750, Deduct* | *-2.89* | |
| 06 51 13 00-0054 | LF | 4" x 4", Other Shapes, Recycled Plastic Lumber | 17.93 | 1.47 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *5.85* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.95* | |
| | | *For White Color, Add* | *1.98* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *4.11* | |
| | | *For >500, Deduct* | *-1.58* | |
| 06 51 13 00-0055 | LF | 4" x 6", Other Shapes, Recycled Plastic Lumber | 24.69 | 1.56 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *8.31* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.35* | |
| | | *For White Color, Add* | *2.81* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *5.84* | |
| | | *For >500, Deduct* | *-2.25* | |
| 06 51 13 00-0056 | LF | 4" x 8", Other Shapes, Recycled Plastic Lumber | 33.30 | 1.69 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *11.43* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.85* | |
| | | *For White Color, Add* | *3.86* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *8.03* | |
| | | *For >500, Deduct* | *-3.09* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 51 13 00-0057 | LF | 5" x 5", Other Shapes, Recycled Plastic Lumber | 25.87 | 1.71 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *8.67* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.41* | |
| | | *For White Color, Add* | *2.93* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *6.09* | |
| | | *For >500, Deduct* | *-2.34* | |
| 06 51 13 00-0058 | LF | 6" x 6", Other Shapes, Recycled Plastic Lumber | 36.40 | 1.94 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *12.44* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *2.02* | |
| | | *For White Color, Add* | *4.20* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *8.74* | |
| | | *For >500, Deduct* | *-3.36* | |
| 06 51 13 00-0059 | LF | 6" x 8", Other Shapes, Recycled Plastic Lumber | 50.38 | 2.11 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *17.53* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *2.84* | |
| | | *For White Color, Add* | *5.92* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *12.32* | |
| | | *For >500, Deduct* | *-4.74* | |
| 06 51 13 00-0060 | LF | 6" x 12", Other Shapes, Recycled Plastic Lumber | 71.31 | 2.34 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *25.15* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *4.08* | |
| | | *For White Color, Add* | *8.50* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *17.67* | |
| | | *For >500, Deduct* | *-6.80* | |
| 06 51 13 00-0061 | LF | 8" x 8", Other Shapes, Recycled Plastic Lumber | 63.36 | 2.25 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *22.26* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *3.61* | |
| | | *For White Color, Add* | *7.52* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *15.64* | |
| | | *For >500, Deduct* | *-6.02* | |
| 06 51 13 00-0062 | LF | 8" x 10", Other Shapes, Recycled Plastic Lumber | 108.66 | 2.34 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *38.97* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *6.32* | |
| | | *For White Color, Add* | *13.17* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *27.38* | |
| | | *For >500, Deduct* | *-10.53* | |
| 06 51 13 00-0063 | LF | 10" x 10", Other Shapes, Recycled Plastic Lumber | 150.96 | 2.45 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *54.57* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *8.85* | |
| | | *For White Color, Add* | *18.44* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *38.34* | |
| | | *For >500, Deduct* | *-14.75* | |
| 06 51 13 00-0064 | LF | 2" Diameter, Other Shapes, Recycled Plastic Lumber | 5.66 | 0.78 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *1.68* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.27* | |
| | | *For White Color, Add* | *0.57* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *1.18* | |
| 06 51 13 00-0065 | LF | 3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber | 16.56 | 1.00 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *5.59* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *0.91* | |
| | | *For White Color, Add* | *1.89* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *3.93* | |
| 06 51 13 00-0066 | LF | 4" Diameter, Other Shapes, Recycled Plastic Lumber | 18.26 | 1.17 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *6.14* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.00* | |
| | | *For White Color, Add* | *2.07* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *4.31* | |
| 06 51 13 00-0067 | LF | 5" Diameter, Other Shapes, Recycled Plastic Lumber | 22.61 | 1.40 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *7.63* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *1.24* | |
| | | *For White Color, Add* | *2.58* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *5.36* | |
| 06 51 13 00-0068 | LF | 6" Diameter, Other Shapes, Recycled Plastic Lumber | 50.46 | 1.64 |
| | | *For Reinforced Structural Plastic Lumber, Add* | *17.80* | |
| | | *Note: High-density polyethylene combined with fiberglass.* | | |
| | | *For Brown Color With Wood Grain, Add* | *2.89* | |
| | | *For White Color, Add* | *6.02* | |
| | | *For Premium Colors (Except Gray, Black, Brown Or White), Add* | *12.51* | |
| 06 51 13 00-0069 | SF | 1/8" Thick, Other Shapes, Recycled Plastic Sheeting | 4.51 | 0.85 |
| 06 51 13 00-0070 | SF | 1/4" Thick, Other Shapes, Recycled Plastic Sheeting | 6.69 | 0.89 |
| 06 51 13 00-0071 | SF | 3/8" Thick, Other Shapes, Recycled Plastic Sheeting | 9.76 | 0.95 |
| 06 51 13 00-0072 | SF | 1/2" Thick, Other Shapes, Recycled Plastic Sheeting | 12.51 | 0.98 |

## 06 51 23 Plastic Channel and Shapes *(06 51)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **06 51 23 00-0001** | | **Channel** *(06 51 23)* | | |
| 06 51 23 00-0002 | LF | 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22) | 18.05 | 2.49 |
| 06 51 23 00-0003 | LF | 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22H1-7/8) | 32.46 | 2.49 |
| 06 51 23 00-0004 | LF | 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22SH) | 32.46 | 2.49 |
| 06 51 23 00-0005 | LF | 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22A) | 42.07 | 2.49 |
| 06 51 23 00-0006 | LF | 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22) | 22.28 | 2.49 |
| 06 51 23 00-0007 | LF | 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22H1-7/8) | 36.88 | 2.49 |
| 06 51 23 00-0008 | LF | 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22SH) | 36.88 | 2.49 |
| 06 51 23 00-0009 | LF | 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22A) | 46.11 | 2.49 |
| 06 51 23 00-0010 | LF | 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42) | 18.24 | 2.49 |
| 06 51 23 00-0011 | LF | 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42H1-7/8) | 28.43 | 2.49 |
| 06 51 23 00-0012 | LF | 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42SH) | 28.43 | 2.49 |
| 06 51 23 00-0013 | LF | 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42A) | 38.03 | 2.49 |
| 06 51 23 00-0014 | LF | 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42) | 21.89 | 2.49 |
| 06 51 23 00-0015 | LF | 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42H1-7/8) | 32.46 | 2.49 |
| 06 51 23 00-0016 | LF | 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42SH) | 32.46 | 2.49 |
| 06 51 23 00-0017 | LF | 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42A) | 39.76 | 2.49 |

## 06 51 33 Carbon Fiber Plates *(06 51)*

| | | | | |
|---|---|---|---|---|
| **06 51 33 00-0001** | | **Carbon Fiber Plates** *(06 51 33)*<br>Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte | | |
| 06 51 33 00-0002 | EA | 6" x 6", 0.039" Thickness, Carbon Fiber Plates | 19.88 | |
| 06 51 33 00-0003 | EA | 6" x 12", 0.039" Thickness, Carbon Fiber Plates | 31.38 | |
| 06 51 33 00-0004 | EA | 6" x 24", 0.039" Thickness, Carbon Fiber Plates | 54.28 | |
| 06 51 33 00-0005 | EA | 12" x 12", 0.039" Thickness, Carbon Fiber Plates | 54.28 | |
| 06 51 33 00-0006 | EA | 12" x 24", 0.039" Thickness, Carbon Fiber Plates | 96.89 | |
| 06 51 33 00-0007 | EA | 12" x 48", 0.039" Thickness, Carbon Fiber Plates | 179.86 | |
| 06 51 33 00-0008 | EA | 24" x 24", 0.039" Thickness, Carbon Fiber Plates | 180.42 | |
| 06 51 33 00-0009 | EA | 24" x 48", 0.039" Thickness, Carbon Fiber Plates | 343.83 | |
| 06 51 33 00-0010 | EA | 38" x 48", 0.039" Thickness, Carbon Fiber Plates | 516.26 | |
| 06 51 33 00-0011 | EA | 38" x 96", 0.039" Thickness, Carbon Fiber Plates | 1,028.72 | |
| 06 51 33 00-0012 | EA | 6" x 6", 1/16" Thickness, Carbon Fiber Plates | 24.94 | |
| 06 51 33 00-0013 | EA | 6" x 12", 1/16" Thickness, Carbon Fiber Plates | 44.04 | |
| 06 51 33 00-0014 | EA | 6" x 24", 1/16" Thickness, Carbon Fiber Plates | 75.80 | |
| 06 51 33 00-0015 | EA | 12" x 12", 1/16" Thickness, Carbon Fiber Plates | 75.80 | |
| 06 51 33 00-0016 | EA | 12" x 24", 1/16" Thickness, Carbon Fiber Plates | 134.87 | |
| 06 51 33 00-0017 | EA | 12" x 48", 1/16" Thickness, Carbon Fiber Plates | 254.56 | |
| 06 51 33 00-0018 | EA | 24" x 24", 1/16" Thickness, Carbon Fiber Plates | 255.12 | |
| 06 51 33 00-0019 | EA | 24" x 48", 1/16" Thickness, Carbon Fiber Plates | 483.09 | |
| 06 51 33 00-0020 | EA | 38" x 48", 1/16" Thickness, Carbon Fiber Plates | 731.48 | |
| 06 51 33 00-0021 | EA | 38" x 96", 1/16" Thickness, Carbon Fiber Plates | 1,459.16 | |
| 06 51 33 00-0022 | EA | 6" x 6", 0.079" Thickness, Carbon Fiber Plates | 30.01 | |
| 06 51 33 00-0023 | EA | 6" x 12", 0.079" Thickness, Carbon Fiber Plates | 49.11 | |
| 06 51 33 00-0024 | EA | 6" x 24", 0.079" Thickness, Carbon Fiber Plates | 87.20 | |
| 06 51 33 00-0025 | EA | 12" x 12", 0.079" Thickness, Carbon Fiber Plates | 87.20 | |
| 06 51 33 00-0026 | EA | 12" x 24", 0.079" Thickness, Carbon Fiber Plates | 174.12 | |
| 06 51 33 00-0027 | EA | 12" x 48", 0.079" Thickness, Carbon Fiber Plates | 333.05 | |
| 06 51 33 00-0028 | EA | 24" x 24", 0.079" Thickness, Carbon Fiber Plates | 333.61 | |
| 06 51 33 00-0029 | EA | 24" x 48", 0.079" Thickness, Carbon Fiber Plates | 552.72 | |
| 06 51 33 00-0030 | EA | 38" x 48", 0.079" Thickness, Carbon Fiber Plates | 840.36 | |
| 06 51 33 00-0031 | EA | 38" x 96", 0.079" Thickness, Carbon Fiber Plates | 1,665.52 | |
| 06 51 33 00-0032 | EA | 6" x 6", 3/32" Thickness, Carbon Fiber Plates | 33.81 | |
| 06 51 33 00-0033 | EA | 6" x 12", 3/32" Thickness, Carbon Fiber Plates | 57.97 | |
| 06 51 33 00-0034 | EA | 6" x 24", 3/32" Thickness, Carbon Fiber Plates | 96.06 | |
| 06 51 33 00-0035 | EA | 12" x 12", 3/32" Thickness, Carbon Fiber Plates | 96.06 | |
| 06 51 33 00-0036 | EA | 12" x 24", 3/32" Thickness, Carbon Fiber Plates | 176.65 | |
| 06 51 33 00-0037 | EA | 12" x 48", 3/32" Thickness, Carbon Fiber Plates | 331.78 | |
| 06 51 33 00-0038 | EA | 24" x 24", 3/32" Thickness, Carbon Fiber Plates | 332.34 | |
| 06 51 33 00-0039 | EA | 24" x 48", 3/32" Thickness, Carbon Fiber Plates | 635.01 | |
| 06 51 33 00-0040 | EA | 38" x 48", 3/32" Thickness, Carbon Fiber Plates | 960.63 | |
| 06 51 33 00-0041 | EA | 38" x 96", 3/32" Thickness, Carbon Fiber Plates | 1,914.92 | |
| 06 51 33 00-0042 | EA | 6" x 6", 0.119" Thickness, Carbon Fiber Plates | 38.87 | |
| 06 51 33 00-0043 | EA | 6" x 12", 0.119" Thickness, Carbon Fiber Plates | 70.63 | |
| 06 51 33 00-0044 | EA | 6" x 24", 0.119" Thickness, Carbon Fiber Plates | 113.78 | |
| 06 51 33 00-0045 | EA | 12" x 12", 0.119" Thickness, Carbon Fiber Plates | 113.78 | |
| 06 51 33 00-0046 | EA | 12" x 24", 0.119" Thickness, Carbon Fiber Plates | 204.50 | |
| 06 51 33 00-0047 | EA | 12" x 48", 0.119" Thickness, Carbon Fiber Plates | 390.02 | |
| 06 51 33 00-0048 | EA | 24" x 24", 0.119" Thickness, Carbon Fiber Plates | 390.58 | |
| 06 51 33 00-0049 | EA | 24" x 48", 0.119" Thickness, Carbon Fiber Plates | 741.35 | |
| 06 51 33 00-0050 | EA | 38" x 48", 0.119" Thickness, Carbon Fiber Plates | 1,123.94 | |
| 06 51 33 00-0051 | EA | 38" x 96", 0.119" Thickness, Carbon Fiber Plates | 2,237.75 | |
| 06 51 33 00-0052 | EA | 6" x 6", 1/8" Thickness, Carbon Fiber Plates | 37.60 | |
| 06 51 33 00-0053 | EA | 6" x 12", 1/8" Thickness, Carbon Fiber Plates | 66.83 | |
| 06 51 33 00-0054 | EA | 6" x 24", 1/8" Thickness, Carbon Fiber Plates | 113.78 | |
| 06 51 33 00-0055 | EA | 12" x 12", 1/8" Thickness, Carbon Fiber Plates | 113.78 | |
| 06 51 33 00-0056 | EA | 12" x 24", 1/8" Thickness, Carbon Fiber Plates | 190.57 | |
| 06 51 33 00-0057 | EA | 12" x 48", 1/8" Thickness, Carbon Fiber Plates | 369.76 | |
| 06 51 33 00-0058 | EA | 24" x 24", 1/8" Thickness, Carbon Fiber Plates | 370.32 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 51 33 00-0059 | EA | 24" x 48", 1/8" Thickness, Carbon Fiber Plates | 703.37 | |
| 06 51 33 00-0060 | EA | 38" x 48", 1/8" Thickness, Carbon Fiber Plates | 1,111.28 | |
| 06 51 33 00-0061 | EA | 38" x 96", 1/8" Thickness, Carbon Fiber Plates | 2,173.18 | |
| 06 51 33 00-0062 | EA | 6" x 6", 0.157" Thickness, Carbon Fiber Plates | 46.47 | |
| 06 51 33 00-0063 | EA | 6" x 12", 0.157" Thickness, Carbon Fiber Plates | 92.15 | |
| 06 51 33 00-0064 | EA | 6" x 24", 0.157" Thickness, Carbon Fiber Plates | 139.10 | |
| 06 51 33 00-0065 | EA | 12" x 12", 0.157" Thickness, Carbon Fiber Plates | 139.10 | |
| 06 51 33 00-0066 | EA | 12" x 24", 0.157" Thickness, Carbon Fiber Plates | 241.21 | |
| 06 51 33 00-0067 | EA | 12" x 48", 0.157" Thickness, Carbon Fiber Plates | 459.65 | |
| 06 51 33 00-0068 | EA | 24" x 24", 0.157" Thickness, Carbon Fiber Plates | 460.21 | |
| 06 51 33 00-0069 | EA | 24" x 48", 0.157" Thickness, Carbon Fiber Plates | 880.61 | |
| 06 51 33 00-0070 | EA | 38" x 48", 0.157" Thickness, Carbon Fiber Plates | 1,334.10 | |
| 06 51 33 00-0071 | EA | 38" x 96", 0.157" Thickness, Carbon Fiber Plates | 2,661.86 | |
| 06 51 33 00-0072 | EA | 6" x 6", 3/16" Thickness, Carbon Fiber Plates | 52.80 | |
| 06 51 33 00-0073 | EA | 6" x 12", 3/16" Thickness, Carbon Fiber Plates | 94.68 | |
| 06 51 33 00-0074 | EA | 6" x 24", 3/16" Thickness, Carbon Fiber Plates | 159.36 | |
| 06 51 33 00-0075 | EA | 12" x 12", 3/16" Thickness, Carbon Fiber Plates | 159.36 | |
| 06 51 33 00-0076 | EA | 12" x 24", 3/16" Thickness, Carbon Fiber Plates | 274.13 | |
| 06 51 33 00-0077 | EA | 12" x 48", 3/16" Thickness, Carbon Fiber Plates | 529.28 | |
| 06 51 33 00-0078 | EA | 24" x 24", 3/16" Thickness, Carbon Fiber Plates | 529.84 | |
| 06 51 33 00-0079 | EA | 24" x 48", 3/16" Thickness, Carbon Fiber Plates | 1,007.21 | |
| 06 51 33 00-0080 | EA | 38" x 48", 3/16" Thickness, Carbon Fiber Plates | 1,524.00 | |
| 06 51 33 00-0081 | EA | 38" x 96", 3/16" Thickness, Carbon Fiber Plates | 3,029.00 | |
| 06 51 33 00-0082 | EA | 6" x 6", 0.197" Thickness, Carbon Fiber Plates | 54.06 | |
| 06 51 33 00-0083 | EA | 6" x 12", 0.197" Thickness, Carbon Fiber Plates | 101.01 | |
| 06 51 33 00-0084 | EA | 6" x 24", 0.197" Thickness, Carbon Fiber Plates | 173.29 | |
| 06 51 33 00-0085 | EA | 12" x 12", 0.197" Thickness, Carbon Fiber Plates | 151.76 | |
| 06 51 33 00-0086 | EA | 12" x 24", 0.197" Thickness, Carbon Fiber Plates | 304.51 | |
| 06 51 33 00-0087 | EA | 12" x 48", 0.197" Thickness, Carbon Fiber Plates | 534.34 | |
| 06 51 33 00-0088 | EA | 24" x 24", 0.197" Thickness, Carbon Fiber Plates | 534.90 | |
| 06 51 33 00-0089 | EA | 24" x 48", 0.197" Thickness, Carbon Fiber Plates | 1,014.81 | |
| 06 51 33 00-0090 | EA | 38" x 48", 0.197" Thickness, Carbon Fiber Plates | 1,541.72 | |
| 06 51 33 00-0091 | EA | 38" x 96", 0.197" Thickness, Carbon Fiber Plates | 3,060.65 | |
| 06 51 33 00-0092 | EA | 6" x 6", 1/4" Thickness, Carbon Fiber Plates | 62.92 | |
| 06 51 33 00-0093 | EA | 6" x 12", 1/4" Thickness, Carbon Fiber Plates | 113.67 | |
| 06 51 33 00-0094 | EA | 6" x 24", 1/4" Thickness, Carbon Fiber Plates | 189.74 | |
| 06 51 33 00-0095 | EA | 12" x 12", 1/4" Thickness, Carbon Fiber Plates | 189.74 | |
| 06 51 33 00-0096 | EA | 12" x 24", 1/4" Thickness, Carbon Fiber Plates | 342.49 | |
| 06 51 33 00-0097 | EA | 12" x 48", 1/4" Thickness, Carbon Fiber Plates | 654.61 | |
| 06 51 33 00-0098 | EA | 24" x 24", 1/4" Thickness, Carbon Fiber Plates | 655.17 | |
| 06 51 33 00-0099 | EA | 24" x 48", 1/4" Thickness, Carbon Fiber Plates | 1,247.75 | |
| 06 51 33 00-0100 | EA | 38" x 48", 1/4" Thickness, Carbon Fiber Plates | 1,896.20 | |
| 06 51 33 00-0101 | EA | 38" x 96", 1/4" Thickness, Carbon Fiber Plates | 3,768.34 | |

# 06 52 Plastic Structural Assemblies *(06 50)*

## 06 52 13 Plastic Columns *(06 52)*

### 06 52 13 00-0001 Round Fiberglass Columns *(06 52 13)*

| | | | | |
|---|---|---|---|---|
| 06 52 13 00-0002 | LF | 6" Diameter, Round Fiberglass Column | 19.24 | 7.21 |
| 06 52 13 00-0003 | LF | 8" Diameter, Round Fiberglass Column | 27.31 | 10.47 |
| 06 52 13 00-0004 | LF | 10" Diameter, Round Fiberglass Column | 31.53 | 11.79 |
| 06 52 13 00-0005 | LF | 12" Diameter, Round Fiberglass Column | 37.94 | 12.33 |
| 06 52 13 00-0006 | LF | 15" Diameter, Round Fiberglass Column | 45.93 | 14.24 |
| 06 52 13 00-0007 | EA | 6" Diameter, Base And Cap For Round Fiberglass Columns | 36.93 | 13.65 |
| 06 52 13 00-0008 | EA | 8" Diameter, Base And Cap For Round Fiberglass Columns | 40.75 | 14.74 |
| 06 52 13 00-0009 | EA | 10" Diameter, Base And Cap For Round Fiberglass Columns | 47.57 | 16.37 |
| 06 52 13 00-0010 | EA | 12" Diameter, Base And Cap For Round Fiberglass Columns | 63.42 | 17.47 |
| 06 52 13 00-0011 | EA | 15" Diameter, Base And Cap For Round Fiberglass Columns | 83.84 | 19.10 |

### 06 52 13 00-0012 Fluted Fiberglass Columns *(06 52 13)*

| | | | | |
|---|---|---|---|---|
| 06 52 13 00-0013 | LF | 6" Diameter, Fluted Fiberglass Column | 20.19 | 7.21 |
| 06 52 13 00-0014 | LF | 8" Diameter, Fluted Fiberglass Column | 28.57 | 10.47 |
| 06 52 13 00-0015 | LF | 10" Diameter, Fluted Fiberglass Column | 33.13 | 11.79 |
| 06 52 13 00-0016 | LF | 12" Diameter, Fluted Fiberglass Column | 40.62 | 12.33 |
| 06 52 13 00-0017 | LF | 15" Diameter, Fluted Fiberglass Column | 49.42 | 14.30 |
| 06 52 13 00-0018 | EA | 6" Diameter, Base And Cap For Fluted Fiberglass Columns | 38.86 | 13.65 |
| 06 52 13 00-0019 | EA | 8" Diameter, Base And Cap For Fluted Fiberglass Columns | 43.00 | 14.74 |
| 06 52 13 00-0020 | EA | 10" Diameter, Base And Cap For Fluted Fiberglass Columns | 50.54 | 16.37 |
| 06 52 13 00-0021 | EA | 12" Diameter, Base And Cap For Fluted Fiberglass Columns | 69.11 | 17.47 |
| 06 52 13 00-0022 | EA | 15" Diameter, Base And Cap For Fluted Fiberglass Columns | 92.96 | 19.10 |

### 06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns *(06 52 13)*

| | | | | |
|---|---|---|---|---|
| 06 52 13 00-0024 | EA | 8" Roman Ionic Cap And Base For Fiberglass Columns | 134.81 | 16.37 |
| 06 52 13 00-0025 | EA | 10" Roman Ionic Cap And Base For Fiberglass Columns | 178.37 | 19.10 |
| 06 52 13 00-0026 | EA | 12" Roman Ionic Cap And Base For Fiberglass Columns | 227.11 | 21.83 |
| 06 52 13 00-0027 | EA | 8" Scamozzi Cap And Base For Fiberglass Columns | 158.71 | 16.37 |
| 06 52 13 00-0028 | EA | 10" Scamozzi Cap And Base For Fiberglass Columns | 190.65 | 19.10 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 52 13 00-0029 | EA | 12" Scamozzi Cap And Base For Fiberglass Columns | 274.91 | 21.83 |
| 06 52 13 00-0030 | EA | 8" Corinthian Cap And Base For Fiberglass Columns | 197.47 | 16.37 |
| 06 52 13 00-0031 | EA | 10" Corinthian Cap And Base For Fiberglass Columns | 239.09 | 19.10 |
| 06 52 13 00-0032 | EA | 12" Corinthian Cap And Base For Fiberglass Columns | 314.96 | 21.83 |
| 06 52 13 00-0033 | EA | 8" Temple Of Winds Cap And Base For Fiberglass Columns | 136.75 | 16.37 |
| 06 52 13 00-0034 | EA | 10" Temple Of Winds Cap And Base For Fiberglass Columns | 182.25 | 19.10 |
| 06 52 13 00-0035 | EA | 12" Temple Of Winds Cap And Base For Fiberglass Columns | 230.99 | 21.83 |
| 06 52 13 00-0036 | EA | 8" Greek Erectheum Cap And Base For Fiberglass Columns | 136.75 | 16.37 |
| 06 52 13 00-0037 | EA | 10" Greek Erectheum Cap And Base For Fiberglass Columns | 164.16 | 19.10 |
| 06 52 13 00-0038 | EA | 12" Greek Erectheum Cap And Base For Fiberglass Columns | 214.84 | 21.83 |

## 06 53 Plastic Decking *(06 50)*

### 06 53 16 Plastic Stair Treads *(06 53)*

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads *(06 53 16)*

Note: Includes standard colors and anchors. Excludes stringers.

| | | | | |
|---|---|---|---|---|
| 06 53 16 00-0002 | LF | 1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer | 49.08 | 2.81 |
| 06 53 16 00-0003 | LF | 1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer | 66.62 | 3.37 |
| 06 53 16 00-0004 | LF | 2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer | 90.69 | 3.72 |

# 06 60 Plastic Fabrications *(06)*

## 06 65 Plastic Trim *(06 60)*

06 65 00 00-0001 Plastic Moldings *(06 65)*

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings *(06 65 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 65 00 00-0003 | LF | 3-1/2" High, Base, Plastic Molding | 6.50 | 2.20 |
| 06 65 00 00-0004 | LF | 4-1/2" High, Base, Plastic Molding | 7.93 | 2.76 |
| 06 65 00 00-0005 | LF | 3/4" x 1", Base Shoe, Plastic Molding | 6.03 | 2.32 |

06 65 00 00-0006 Cornice, Plastic Moldings *(06 65 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 65 00 00-0007 | LF | 1" x 2" Cornice, Plastic Molding | 5.97 | 2.20 |
| 06 65 00 00-0008 | LF | 1" x 4" Cornice, Plastic Molding | 7.42 | 2.32 |
| 06 65 00 00-0009 | LF | 1" x 6" Cornice, Plastic Molding | 10.18 | 2.43 |
| 06 65 00 00-0010 | LF | 1" x 8" Cornice, Plastic Molding | 11.68 | 2.54 |
| 06 65 00 00-0011 | LF | 1" x 10" Cornice, Plastic Molding | 13.44 | 2.65 |
| 06 65 00 00-0012 | LF | 1" x 12" Cornice, Plastic Molding | 17.18 | 2.76 |

06 65 00 00-0013 Crown Or Bed, Plastic Moldings *(06 65 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 65 00 00-0014 | LF | 9/16" x 1-5/8" Crown Or Bed, Plastic Molding | 10.67 | 2.20 |
| 06 65 00 00-0015 | LF | 9/16" x 2-1/4" Crown Or Bed, Plastic Molding | 14.29 | 2.76 |
| 06 65 00 00-0016 | LF | 9/16" x 3-1/2" Crown Or Bed, Plastic Molding | 14.89 | 2.76 |
| 06 65 00 00-0017 | LF | 9/16" x 3-5/8" Crown Or Bed, Plastic Molding | 15.49 | 2.76 |
| 06 65 00 00-0018 | LF | 5/8" x 4-1/4" Crown Or Bed, Plastic Molding | 20.20 | 3.31 |
| 06 65 00 00-0019 | LF | 11/16" x 4-5/8" Crown Or Bed, Plastic Molding | 23.94 | 3.31 |

06 65 00 00-0020 Dentil, Plastic Moldings *(06 65 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 65 00 00-0021 | LF | 11/16" x 1-3/8" Dentil, Plastic Molding | 9.08 | 2.20 |
| 06 65 00 00-0022 | LF | 5/8" x 2-1/2" Dentil, Plastic Molding | 10.22 | 2.20 |
| 06 65 00 00-0023 | LF | 1-3/8" x 3-3/8" Dentil, Plastic Molding | 12.79 | 2.20 |
| 06 65 00 00-0024 | LF | 1-1/2" x 4-1/2" Dentil, Plastic Molding | 17.23 | 2.20 |

06 65 00 00-0025 Cove, Plastic Moldings *(06 65 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 65 00 00-0026 | LF | 3/8" x 3/8" Cove, Plastic Molding | 3.47 | 1.22 |
| 06 65 00 00-0027 | LF | 1/2" x 1/2" Cove, Plastic Molding | 3.77 | 1.22 |
| 06 65 00 00-0028 | LF | 5/8" x 5/8" Cove, Plastic Molding | 4.97 | 1.43 |
| 06 65 00 00-0029 | LF | 3/4" x 3/4" Cove, Plastic Molding | 4.97 | 1.43 |
| 06 65 00 00-0030 | LF | 15/16" x 15/16" Cove, Plastic Molding | 6.31 | 1.43 |
| 06 65 00 00-0031 | LF | 9/16" x 1-3/4" Cove, Plastic Molding | 8.25 | 1.65 |
| 06 65 00 00-0032 | LF | 11/16" x 2-3/4" Cove, Plastic Molding | 11.07 | 1.65 |

06 65 00 00-0033 Chair Rail, Plastic Moldings *(06 65 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 65 00 00-0034 | LF | 1/2" x 1-5/8" Chair Rail, Plastic Molding | 5.81 | 1.65 |
| 06 65 00 00-0035 | LF | 5/8" x 2-1/2" Chair Rail, Plastic Molding | 7.83 | 2.20 |
| 06 65 00 00-0036 | LF | 5/8" x 3-1/2" Chair Rail, Plastic Molding | 9.57 | 2.20 |

06 65 00 00-0037 Door, Plastic Moldings *(06 65 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 06 65 00 00-0038 | LF | 1-1/8" Wide, Door, Plastic Molding | 5.00 | 1.98 |
| 06 65 00 00-0039 | LF | 1-1/8" Wide, Detailed Door, Plastic Molding | 5.04 | 1.98 |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **06 65 00 00-0040** | | **Trim, Plastic Moldings** *(06 65 00 00-0001)* | | |
| 06 65 00 00-0041 | LF | 1/2" x 1/2" Quarter Round Trim, Plastic Molding | 5.25 | 2.32 |
| 06 65 00 00-0042 | LF | 3/4" x 3/4" Quarter Round Trim, Plastic Molding | 6.98 | 2.32 |
| 06 65 00 00-0043 | LF | 1-1/4" x 2" Brick Mould, Plastic Molding | 6.89 | 2.20 |
| 06 65 00 00-0044 | LF | 1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding | 8.05 | 2.20 |
| 06 65 00 00-0045 | LF | 11/16" x 1-5/8" Drip Cap, Plastic Molding | 5.76 | 2.20 |
| 06 65 00 00-0046 | LF | 2-3/4" x 2" Water Table, Plastic Molding | 8.89 | 2.20 |
| 06 65 00 00-0047 | LF | 3/8" x 2" Garage Door Stop, Plastic Molding | 6.40 | 2.20 |
| **06 65 00 00-0048** | | **Extruded Polyvinyl Chloride (PVC) Trimboard** *(06 65)* | | |
| | | Note: As manufactured by Azek or Kleer. All dimensions are nominal. | | |
| 06 65 00 00-0049 | LF | 1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard | 4.42 | 0.89 |
| 06 65 00 00-0050 | LF | 1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard | 6.39 | 1.00 |
| 06 65 00 00-0051 | LF | 1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard | 8.39 | 1.11 |
| 06 65 00 00-0052 | LF | 1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard | 10.15 | 1.13 |
| 06 65 00 00-0053 | LF | 1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard | 12.07 | 1.16 |
| 06 65 00 00-0054 | LF | 5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard | 5.46 | 0.89 |
| 06 65 00 00-0055 | LF | 5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard | 7.98 | 1.00 |
| 06 65 00 00-0056 | LF | 5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard | 10.17 | 1.11 |
| 06 65 00 00-0057 | LF | 5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard | 12.59 | 1.13 |
| 06 65 00 00-0058 | LF | 5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard | 14.79 | 1.16 |
| 06 65 00 00-0059 | LF | 3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board | 12.02 | 1.13 |
| 06 65 00 00-0060 | LF | 5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board | 16.01 | 1.16 |
| 06 65 00 00-0061 | SF | 1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets | 8.39 | 1.00 |
| 06 65 00 00-0062 | SF | 3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets | 12.13 | 1.11 |

# 06 70 Structural Composites *(06)*

## 06 74 Composite Gratings *(06 70)*

### 06 74 13 Fiberglass Reinforced Gratings *(06 74)*

| | | | | |
|---|---|---|---|---|
| **06 74 13 00-0001** | | **Molded Fiberglass Gratings And Coverings** *(06 74 13)* | | |
| **06 74 13 00-0002** | | **Vi-Corr Resin System** *(06 74 13 00-0001)* | | |
| | | Note: Orange or dark gray. | | |
| 06 74 13 00-0003 | SF | 1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top | 46.36 | 2.02 |
| 06 74 13 00-0004 | SF | 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top | 45.02 | 2.02 |
| 06 74 13 00-0005 | SF | 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top | 58.83 | 2.02 |
| 06 74 13 00-0006 | SF | 2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top | 63.67 | 2.59 |
| 06 74 13 00-0007 | SF | 1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top | 48.66 | 2.02 |
| 06 74 13 00-0008 | SF | 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top | 47.28 | 2.02 |
| 06 74 13 00-0009 | SF | 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top | 62.16 | 2.02 |
| 06 74 13 00-0010 | SF | 2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top | 66.80 | 2.59 |
| 06 74 13 00-0011 | SF | 1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering | 43.96 | 1.62 |
| 06 74 13 00-0012 | SF | 1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering | 71.32 | 1.78 |
| 06 74 13 00-0013 | SF | 3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering | 97.80 | 1.96 |
| **06 74 13 00-0014** | | **IFR Fire Retardant Isophthalic Resin** *(06 74 13 00-0001)* | | |
| 06 74 13 00-0015 | SF | 1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top | 42.62 | 2.02 |
| 06 74 13 00-0016 | SF | 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top | 39.90 | 2.02 |
| 06 74 13 00-0017 | SF | 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top | 51.42 | 2.02 |
| 06 74 13 00-0018 | SF | 2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top | 55.44 | 2.59 |
| 06 74 13 00-0019 | SF | 1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top | 44.50 | 2.02 |
| 06 74 13 00-0020 | SF | 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top | 40.97 | 2.02 |
| 06 74 13 00-0021 | SF | 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top | 55.84 | 2.59 |
| 06 74 13 00-0022 | SF | 2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top | 58.54 | 2.59 |
| 06 74 13 00-0023 | SF | 1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering | 38.73 | 1.62 |
| 06 74 13 00-0024 | SF | 1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering | 54.89 | 1.78 |
| 06 74 13 00-0025 | SF | 3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering | 75.47 | 1.96 |
| **06 74 13 00-0026** | | **Corvex Polyester Resin** *(06 74 13 00-0001)* | | |
| | | Note: Dark gray. | | |
| 06 74 13 00-0027 | SF | 1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top | 36.12 | 2.02 |
| 06 74 13 00-0028 | SF | 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top | 34.68 | 2.02 |
| 06 74 13 00-0029 | SF | 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top | 42.10 | 2.02 |
| 06 74 13 00-0030 | SF | 2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top | 48.37 | 2.59 |
| 06 74 13 00-0031 | SF | 1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top | 38.51 | 2.02 |
| 06 74 13 00-0032 | SF | 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top | 37.05 | 2.02 |
| 06 74 13 00-0033 | SF | 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top | 44.87 | 2.02 |
| 06 74 13 00-0034 | SF | 2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top | 50.74 | 2.59 |
| 06 74 13 00-0035 | SF | 1/4" Corvex Polyester Resin, Fiberplate Covering | 34.17 | 1.62 |
| 06 74 13 00-0036 | SF | 1/2" Corvex Polyester Resin, Fiberplate Covering | 54.65 | 1.78 |
| 06 74 13 00-0037 | SF | 3/4" Corvex Polyester Resin, Fiberplate Covering | 75.86 | 1.96 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **06 74 13 00-0038** | | **XFR Extra Fire Retardant** *(06 74 13 00-0001)* | | |
| 06 74 13 00-0039 | SF | 1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top | 53.27 | 2.02 |
| 06 74 13 00-0040 | SF | 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top | 51.71 | 2.02 |
| 06 74 13 00-0041 | SF | 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top | 70.89 | 2.02 |
| 06 74 13 00-0042 | SF | 2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top | 75.69 | 2.59 |
| 06 74 13 00-0043 | SF | 1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top | 55.61 | 2.02 |
| 06 74 13 00-0044 | SF | 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top | 54.08 | 2.02 |
| 06 74 13 00-0045 | SF | 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top | 73.66 | 2.02 |
| 06 74 13 00-0046 | SF | 2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top | 79.05 | 2.59 |
| 06 74 13 00-0047 | SF | 1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering | 50.39 | 1.62 |
| 06 74 13 00-0048 | SF | 1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering | 81.61 | 1.78 |
| **06 74 13 00-0049** | | **ELS Extremely Low Smoke Resin** *(06 74 13 00-0001)* | | |
| 06 74 13 00-0050 | SF | 1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top | 54.64 | 2.02 |
| 06 74 13 00-0051 | SF | 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top | 52.98 | 2.02 |
| 06 74 13 00-0052 | SF | 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top | 68.98 | 2.02 |
| 06 74 13 00-0053 | SF | 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top | 73.89 | 2.59 |
| 06 74 13 00-0054 | SF | 1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top | 56.80 | 2.02 |
| 06 74 13 00-0055 | SF | 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top | 55.44 | 2.02 |
| 06 74 13 00-0056 | SF | 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top | 71.65 | 2.02 |
| 06 74 13 00-0057 | SF | 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top | 76.59 | 2.59 |
| 06 74 13 00-0058 | SF | 1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering | 56.35 | 1.62 |
| 06 74 13 00-0059 | SF | 1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering | 101.76 | 1.78 |
| **06 74 13 00-0060** | | **Pultruded Fiberglass Grating** *(06 74 13)* | | |
| **06 74 13 00-0061** | | **ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0060)* | | |
| | | Note: For moderately corrosive environments, green. | | |
| **06 74 13 00-0062** | | **1" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)* | | |
| 06 74 13 00-0063 | SF | 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin | 38.77 | 2.59 |
| 06 74 13 00-0064 | SF | 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin | 34.37 | 2.02 |
| 06 74 13 00-0065 | SF | 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin | 43.88 | 2.59 |
| 06 74 13 00-0066 | SF | 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin | 40.55 | 2.02 |
| 06 74 13 00-0067 | SF | 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin | 30.18 | 2.59 |
| 06 74 13 00-0068 | SF | 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin | 26.69 | 2.02 |
| 06 74 13 00-0069 | SF | 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin | 34.61 | 2.59 |
| 06 74 13 00-0070 | SF | 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin | 31.22 | 2.02 |
| **06 74 13 00-0071** | | **1-1/2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)* | | |
| 06 74 13 00-0072 | SF | 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin | 43.83 | 2.59 |
| 06 74 13 00-0073 | SF | 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin | 39.55 | 2.02 |
| 06 74 13 00-0074 | SF | 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin | 49.30 | 2.59 |
| 06 74 13 00-0075 | SF | 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin | 46.24 | 2.02 |
| 06 74 13 00-0076 | SF | 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin | 38.49 | 2.59 |
| 06 74 13 00-0077 | SF | 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin | 35.10 | 2.02 |
| **06 74 13 00-0078** | | **2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)* | | |
| 06 74 13 00-0079 | SF | 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin | 37.92 | 2.59 |
| 06 74 13 00-0080 | SF | 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin | 42.01 | 2.59 |
| 06 74 13 00-0081 | SF | 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin | 50.87 | 2.59 |
| 06 74 13 00-0082 | SF | 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin | 47.97 | 2.59 |
| **06 74 13 00-0083** | | **VERF Vinyl Ester Resin System** *(06 74 13 00-0060)* | | |
| **06 74 13 00-0084** | | **1" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)* | | |
| 06 74 13 00-0085 | SF | 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin | 41.07 | 2.02 |
| 06 74 13 00-0086 | SF | 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin | 36.69 | 2.02 |
| 06 74 13 00-0087 | SF | 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin | 46.24 | 2.02 |
| 06 74 13 00-0088 | SF | 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin | 53.13 | 2.02 |
| 06 74 13 00-0089 | SF | 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin | 31.44 | 2.02 |
| 06 74 13 00-0090 | SF | 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin | 28.06 | 2.02 |
| 06 74 13 00-0091 | SF | 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin | 36.15 | 2.02 |
| 06 74 13 00-0092 | SF | 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin | 33.14 | 2.02 |
| **06 74 13 00-0093** | | **1-1/2" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)* | | |
| 06 74 13 00-0094 | SF | 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin | 45.13 | 2.02 |
| 06 74 13 00-0095 | SF | 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin | 40.80 | 2.02 |
| 06 74 13 00-0096 | SF | 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin | 51.64 | 2.02 |
| 06 74 13 00-0097 | SF | 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin | 48.19 | 2.02 |
| 06 74 13 00-0098 | SF | 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin | 40.52 | 2.02 |
| 06 74 13 00-0099 | SF | 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin | 37.30 | 2.02 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 74 13 00-0100 | | 2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)* | | |
| 06 74 13 00-0101 | SF | 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin | 39.86 | 2.59 |
| 06 74 13 00-0102 | SF | 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin | 36.73 | 2.59 |
| 06 74 13 00-0103 | SF | 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin | 53.59 | 2.59 |
| 06 74 13 00-0104 | SF | 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin | 52.03 | 2.59 |

# 06 80 Composite Fabrications *(06)*

## 06 81 Composite Railings *(06 80)*

### 06 81 13 Glass-Fiber-Reinforced Plastic Railings *(06 81)*

| | | | | |
|---|---|---|---|---|
| 06 81 13 00-0001 | | Fiberglass Handrail Assemblies *(06 81 13)*<br>Note: Assembly includes posts, rails, kick plates, fasteners and accessories. Not to be used in conjunction with handrail components. | | |
| 06 81 13 00-0002 | LF | Fiberglass Side Mount Handrail, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories Assembly | 79.07 | 22.51 |
| | | *For Each LF Of Anchoring Posts Into Masonry Or Concrete, Add* | *3.00* | |
| | | *For Sloped Floor Installation, Add* | *6.21* | |
| | | *For Stair Installation (Without Kick Plates), Add* | *11.56* | |
| 06 81 13 00-0003 | LF | Fiberglass Top Mount Handrail, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories Assembly | 89.61 | 21.11 |
| 06 81 13 00-0004 | LF | Fiberglass Handrail For Stairs, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, Stainless Steel Fasteners And Accessories Assembly | 84.87 | 28.14 |
| 06 81 13 00-0005 | | Fiberglass Handrail Components *(06 81 13)*<br>Note: This section is only to be used when entire handrail assembly is not required. | | |
| 06 81 13 00-0006 | LF | Fiberglass Kick Plate (12' Sections) With Splice Kit | 18.62 | 5.63 |
| 06 81 13 00-0007 | LF | Fiberglass Kick Plate (24' sections) With Splice Kit | 16.58 | 5.63 |
| 06 81 13 00-0008 | EA | Fiberglass Side Mount Post For Handrail | 179.53 | 33.77 |
| 06 81 13 00-0009 | EA | Fiberglass Top Mount Post For Handrail With Stainless Steel Base | 207.82 | 22.51 |
| 06 81 13 00-0010 | LF | Fiberglass Square Tube For Horizontal Handrail, ISOFR 1-3/4" x 1/8" (12' sections) | 20.25 | 6.76 |
| 06 81 13 00-0011 | LF | Fiberglass Square Tube For Horizontal Handrail, ISOFR 1-3/4" x 1/8" (24' sections) | 19.19 | 6.76 |
| 06 81 13 00-0012 | LF | Fiberglass Square Tube For Horizontal Handrail, ISOFR 2-1/8" x 3/16" (21' sections) | 20.77 | 6.76 |

## 06 82 Composite Trim *(06 80)*

| | | | | |
|---|---|---|---|---|
| 06 82 00 00-0001 | | Fiberglass Castings *(06 82)* | | |
| 06 82 00 00-0002 | | Fiberglass Angle, Equal Legs *(06 82 00 00-0001)* | | |
| 06 82 00 00-0003 | LF | 1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin | 9.73 | 3.37 |
| 06 82 00 00-0004 | LF | 1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin | 10.22 | 3.37 |
| 06 82 00 00-0005 | LF | 3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin | 18.41 | 4.05 |
| 06 82 00 00-0006 | LF | 3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin | 20.37 | 4.05 |
| 06 82 00 00-0007 | LF | 4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin | 20.49 | 4.05 |
| 06 82 00 00-0008 | LF | 4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin | 21.91 | 4.05 |
| 06 82 00 00-0009 | LF | 4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin | 23.81 | 4.05 |
| 06 82 00 00-0010 | LF | 4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin | 26.84 | 4.05 |
| 06 82 00 00-0011 | LF | 6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin | 64.71 | 5.07 |
| 06 82 00 00-0012 | LF | 6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin | 74.50 | 5.07 |
| 06 82 00 00-0013 | | Fiberglass Channels *(06 82 00 00-0001)* | | |
| 06 82 00 00-0014 | LF | 3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin | 11.23 | 5.07 |
| 06 82 00 00-0015 | LF | 3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin | 11.72 | 5.07 |
| 06 82 00 00-0016 | LF | 4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin | 23.82 | 5.74 |
| 06 82 00 00-0017 | LF | 4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin | 23.82 | 5.74 |
| 06 82 00 00-0018 | LF | 6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin | 37.56 | 5.74 |
| 06 82 00 00-0019 | LF | 6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin | 43.74 | 5.74 |
| 06 82 00 00-0020 | LF | 8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin | 35.25 | 5.74 |
| 06 82 00 00-0021 | LF | 8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin | 42.62 | 5.74 |
| 06 82 00 00-0022 | LF | 10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin | 53.70 | 7.88 |
| 06 82 00 00-0023 | LF | 10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin | 61.67 | 7.88 |
| 06 82 00 00-0024 | | Fiberglass Wide Flange Beams *(06 82 00 00-0001)* | | |
| 06 82 00 00-0025 | LF | 4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin | 32.53 | 6.76 |
| 06 82 00 00-0026 | LF | 4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin | 35.61 | 6.76 |
| 06 82 00 00-0027 | LF | 6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin | 41.66 | 8.11 |
| 06 82 00 00-0028 | LF | 6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin | 43.13 | 8.11 |
| 06 82 00 00-0029 | LF | 8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin | 67.43 | 10.13 |
| 06 82 00 00-0030 | LF | 8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin | 84.83 | 10.13 |
| 06 82 00 00-0031 | LF | 10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin | 150.62 | 12.38 |
| 06 82 00 00-0032 | LF | 10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin | 169.65 | 12.38 |
| 06 82 00 00-0033 | | Fiberglass Flat Sheet *(06 82 00 00-0001)*<br>Note: Not to be used for bathroom board. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 82 00 00-0034 | SF | 1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin | 26.86 | 5.74 |
| 06 82 00 00-0035 | SF | 1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin | 28.07 | 5.74 |
| 06 82 00 00-0036 | SF | 1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin | 42.40 | 6.76 |
| 06 82 00 00-0037 | SF | 1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin | 48.86 | 6.76 |
| 06 82 00 00-0038 | SF | 3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin | 57.61 | 8.11 |
| 06 82 00 00-0039 | SF | 3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin | 67.32 | 8.11 |
| 06 82 00 00-0040 | SF | 1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin | 77.76 | 10.13 |
| 06 82 00 00-0041 | SF | 1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin | 92.61 | 10.13 |
| **06 82 00 00-0042** | | **Fiberglass Bars** *(06 82 00 00-0001)* | | |
| **06 82 00 00-0043** | | **Square Bars** *(06 82 00 00-0042)* | | |
| 06 82 00 00-0044 | LF | 1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin | 15.93 | 4.05 |
| 06 82 00 00-0045 | LF | 1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin | 22.95 | 5.96 |
| 06 82 00 00-0046 | LF | 1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin | 26.94 | 7.88 |
| **06 82 00 00-0047** | | **Round Bars** *(06 82 00 00-0042)* | | |
| 06 82 00 00-0048 | LF | 1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin | 10.17 | 3.37 |
| 06 82 00 00-0049 | LF | 1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin | 22.00 | 5.07 |
| 06 82 00 00-0050 | LF | 1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin | 24.95 | 5.07 |
| 06 82 00 00-0051 | LF | 1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin | 33.19 | 5.07 |
| 06 82 00 00-0052 | LF | 1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin | 39.68 | 5.74 |
| **06 82 00 00-0053** | | **Fiberglass Tubes** *(06 82 00 00-0001)* | | |
| **06 82 00 00-0054** | | **Square Tube** *(06 82 00 00-0053)* | | |
| 06 82 00 00-0055 | LF | 1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin | 11.50 | 3.37 |
| 06 82 00 00-0056 | LF | 1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin | 12.45 | 3.37 |
| 06 82 00 00-0057 | LF | 2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin | 17.09 | 4.05 |
| 06 82 00 00-0058 | LF | 2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin | 18.77 | 4.05 |
| 06 82 00 00-0059 | LF | 3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin | 32.83 | 5.07 |
| 06 82 00 00-0060 | LF | 3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin | 36.71 | 5.07 |
| 06 82 00 00-0061 | LF | 4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin | 38.61 | 6.08 |
| 06 82 00 00-0062 | LF | 4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin | 49.42 | 6.08 |
| **06 82 00 00-0063** | | **Round Tube** *(06 82 00 00-0053)* | | |
| 06 82 00 00-0064 | LF | 1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin | 11.00 | 3.37 |
| 06 82 00 00-0065 | LF | 1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin | 11.43 | 3.37 |
| 06 82 00 00-0066 | LF | 2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin | 20.83 | 4.05 |
| 06 82 00 00-0067 | LF | 2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin | 22.25 | 4.05 |
| **06 82 00 00-0068** | | **Fiberglass Threaded Rods** *(06 82 00 00-0001)* | | |
| 06 82 00 00-0069 | LF | 3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin | 15.04 | 2.59 |
| 06 82 00 00-0070 | LF | 1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin | 16.03 | 2.59 |
| 06 82 00 00-0071 | LF | 5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin | 18.39 | 2.93 |
| 06 82 00 00-0072 | LF | 3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin | 20.30 | 2.93 |
| 06 82 00 00-0073 | LF | 1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin | 22.47 | 2.93 |
| **06 82 00 00-0074** | | **Grating Support Legs, VEFR Resin** *(06 82 00 00-0001)* | | |
| 06 82 00 00-0075 | EA | Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings | 14.44 | |
| 06 82 00 00-0076 | EA | Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings | 6.19 | |
| 06 82 00 00-0077 | EA | Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings | 23.26 | |
| **06 82 00 00-0078** | | **Fiberglass Netting** *(06 82 00 00-0001)* | | |
| 06 82 00 00-0079 | SF | 1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting | 0.82 | 0.40 |
| 06 82 00 00-0080 | SF | 1/2" x 2" Mesh, Clear Flexible Fiberglass Netting | 0.82 | 0.40 |
| 06 82 00 00-0081 | SF | 3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting | 0.82 | 0.40 |
| 06 82 00 00-0082 | SF | 7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting | 0.82 | 0.40 |
| 06 82 00 00-0083 | SF | 1" x 1" Mesh, Clear Flexible Fiberglass Netting | 0.82 | 0.40 |
| 06 82 00 00-0084 | SF | 1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting | 0.81 | 0.40 |
| 06 82 00 00-0085 | SF | 1/2" x 2" Mesh, Green Flexible Fiberglass Netting | 0.81 | 0.40 |
| 06 82 00 00-0086 | SF | 3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting | 0.81 | 0.40 |
| 06 82 00 00-0087 | SF | 7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting | 0.81 | 0.40 |
| 06 82 00 00-0088 | SF | 1" x 1" Mesh, Green Flexible Fiberglass Netting | 0.81 | 0.40 |
| **06 82 00 00-0089** | | **Fiberglass Stair Treads** *(06 82)* | | |
| **06 82 00 00-0090** | | **Fiberglass Stair Treads** *(06 82 00 00-0089)* | | |
| **06 82 00 00-0091** | | **10-1/2" Deep Isophthalic Resin System** *(06 82 00 00-0090)* | | |
| 06 82 00 00-0092 | EA | 1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System | 113.33 | 17.68 |
| 06 82 00 00-0093 | EA | 1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System | 132.86 | 17.68 |
| 06 82 00 00-0094 | EA | 1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System | 152.40 | 17.68 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 06 82 00 00-0095 | EA | 1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System | 171.94 | 17.68 |
| 06 82 00 00-0096 | EA | 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System | 125.05 | 17.68 |
| 06 82 00 00-0097 | EA | 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System | 147.51 | 17.68 |
| 06 82 00 00-0098 | EA | 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System | 169.98 | 17.68 |
| 06 82 00 00-0099 | EA | 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System | 192.45 | 17.68 |
| 06 82 00 00-0100 | EA | 2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System | 143.02 | 17.68 |
| 06 82 00 00-0101 | EA | 2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System | 169.98 | 17.68 |
| 06 82 00 00-0102 | EA | 2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System | 196.94 | 17.68 |
| 06 82 00 00-0103 | EA | 2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System | 223.90 | 17.68 |
| 06 82 00 00-0104 | | 12" Deep Isophthalic Resin System *(06 82 00 00-0090)* | | |
| 06 82 00 00-0105 | EA | 1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System | 124.49 | 17.68 |
| 06 82 00 00-0106 | EA | 1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System | 146.82 | 17.68 |
| 06 82 00 00-0107 | EA | 1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System | 169.15 | 17.68 |
| 06 82 00 00-0108 | EA | 1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System | 191.48 | 17.68 |
| 06 82 00 00-0109 | EA | 1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System | 137.89 | 17.68 |
| 06 82 00 00-0110 | EA | 1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System | 163.57 | 17.68 |
| 06 82 00 00-0111 | EA | 1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System | 189.25 | 17.68 |
| 06 82 00 00-0112 | EA | 1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System | 214.92 | 17.68 |
| 06 82 00 00-0113 | EA | 2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System | 158.43 | 17.68 |
| 06 82 00 00-0114 | EA | 2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System | 189.24 | 17.68 |
| 06 82 00 00-0115 | EA | 2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System | 220.06 | 17.68 |
| 06 82 00 00-0116 | EA | 2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System | 250.87 | 17.68 |
| 06 82 00 00-0117 | | Other Fiberglass *(06 82)* | | |
| 06 82 00 00-0118 | | Fiberglass Splash Blocks *(06 82 00 00-0117)* | | |
| 06 82 00 00-0119 | EA | Standard Size Fiberglass Splash Block | 19.66 | 3.98 |

## 06 83 Composite Paneling *(06 80)*

### 06 83 16 Fiberglass Reinforced Paneling *(06 83)*

06 83 16 00-0001 Fiberglass Reinforced Polyester (FRP) Panels *(06 83 16)*
Note: Includes adhesive and trim.

| | | | | |
|---|---|---|---|---|
| 06 83 16 00-0002 | SF | Fiberglass Reinforced Polyester (FRP) Paneling<br>Note: Including Adhesive And Trim | 3.93 | 2.00 |

**END OF SECTION 06**

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 07 Thermal And Moisture Protection

## 07 01 Operation and Maintenance of Thermal and Moisture Protection (07)

### 07 01 50 Maintenance of Membrane Roofing (07 01)

#### 07 01 50 19 Preparation for Re-Roofing (07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing (07 01 50 19)

| | | | | |
|---|---|---|---|---|
| 07 01 50 19-0002 | SQ | Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal | 83.79 | |
| 07 01 50 19-0003 | SQ | Removal Of Gravel Ballast From Roof, Vacuum And Disposal | 146.60 | |

#### 07 01 50 81 Roof Replacement (07 01 50)

07 01 50 81-0001 Roof Repair (07 01 50 81)

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

| | | | | |
|---|---|---|---|---|
| 07 01 50 81-0002 | LF | Heat Weld Roofing Seams For Repair | 8.14 | |

07 01 50 81-0003 Emergency Roof Patch (07 01 50 81)

Note: 4 Hour response time.

| | | | | |
|---|---|---|---|---|
| 07 01 50 81-0004 | EA | Mobilize For Emergency Roof Patching | 774.53 | |
| 07 01 50 81-0005 | EA | 16 SF Granule Emergency Roof Patch Cover | 102.74 | |

07 01 50 81-0006 Adhesives (07 01 50 81)

Note: For repair of seams.

07 01 50 81-0007 Mastic Sealer (07 01 50 81-0006)

07 01 50 81-0008 Applied At Joints Only (07 01 50 81-0007)

| | | | | |
|---|---|---|---|---|
| 07 01 50 81-0009 | LF | Mastic Sealer, 1/4" Bead At Joint For Roof Repair | 5.10 | 2.20 |

#### 07 01 50 91 Roofing Restoration (07 01 50)

07 01 50 91-0001 Pressure Wash Membrane Roofing (07 01 50 91)

| | | | |
|---|---|---|---|
| 07 01 50 91-0002 | SF | Up To 2,500 PSI, Pressure Wash Membrane Roofing | 0.23 |
| | | *For Up To 100, Add* | *0.17* |
| | | *For >100 To 250, Add* | *0.08* |
| | | *For >250 To 500, Add* | *0.03* |
| | | *For >5,000 To 10,000, Deduct* | *-0.01* |
| | | *For >10,000 To 15,000, Deduct* | *-0.02* |
| | | *For >15,000 To 30,000, Deduct* | *-0.03* |
| | | *For >30,000, Deduct* | *-0.05* |

### 07 01 60 Maintenance of Flashing and Sheet Metal (07 01)

#### 07 01 60 91 Flashing and Sheet Metal Restoration (07 01 60)

07 01 60 91-0001 Re-connecting Downspouts To Gutters (07 01 60 91)

| | | | |
|---|---|---|---|
| 07 01 60 91-0002 | EA | Re-connecting Existing Downspouts To Gutter With Fasteners | 36.62 |
| 07 01 60 91-0003 | EA | Re-connecting Existing Downspouts To Gutter By Welding | 59.53 |

### 07 01 70 Operation and Maintenance of Roof Specialties and Accessories (07 01)

07 01 70 00-0001 Metal Roofing Edge Repair (07 01 70)

| | | | |
|---|---|---|---|
| 07 01 70 00-0002 | LF | Cut Existing Metal Roofing Edge, 20 to 26 Gauge | 5.08 |
| 07 01 70 00-0003 | LF | Cut Existing Metal Roofing Edge, 16 to 19 Gauge | 6.36 |
| 07 01 70 00-0004 | LF | Cut Existing Metal Roofing Edge, 11 to 15 Gauge | 7.26 |

07 01 70 00-0005 Metal Roofing Repair (07 01 70)

| | | | |
|---|---|---|---|
| 07 01 70 00-0006 | SF | Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, Up To 10 SF | 28.50 |
| 07 01 70 00-0007 | SF | Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 11 To 25 SF | 25.84 |
| 07 01 70 00-0008 | SF | Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 25 To 50 SF | 23.80 |
| 07 01 70 00-0009 | SF | Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 50 To 100 SF | 22.36 |

07 01 70 00-0010 Removal And Reinstallation Of Metal Coping (07 01 70)


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 01 70 00-0011 | LF | Removal And Reinstallation Of Metal Coping | 10.87 | |
| | | *For Up To 25 LF, Add* | *5.44* | |
| | | *For >25 To 100 LF, Add* | *2.72* | |
| | | *For >1,000 LF, Deduct* | *-1.09* | |

# 07 05 Common Work Results for Thermal and Moisture Protection *(07)*

## 07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05)*

### 07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05 13)*

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

| | | | |
|---|---|---|---|
| 07 05 13 00-0002 | EA | Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work | 1,551.54 |
| 07 05 13 00-0003 | EA | >1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work | 1,160.87 |
| 07 05 13 00-0004 | EA | >2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work | 775.77 |
| 07 05 13 00-0005 | EA | >3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work | 386.96 |

# 07 10 Dampproofing and Waterproofing *(07)*

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

## 07 11 Dampproofing *(07 10)*

### 07 11 13 Bituminous Dampproofing *(07 11)*

#### 07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray *(07 11 13)*

| | | | |
|---|---|---|---|
| 07 11 13 00-0002 | CSF | 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray | 194.42 |
| 07 11 13 00-0003 | CSF | 2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing | 297.69 |

#### 07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On *(07 11 13)*

| | | | |
|---|---|---|---|
| 07 11 13 00-0005 | CSF | Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On | 335.51 |
| 07 11 13 00-0006 | CSF | Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing | 522.40 |

#### 07 11 13 00-0007 Asphaltic Paint Dampproofing *(07 11 13)*

| | | | |
|---|---|---|---|
| 07 11 13 00-0008 | CSF | 1 Coat, Asphaltic Paint Dampproofing, Brushed On | 155.69 |
| 07 11 13 00-0009 | CSF | 2 Coats, Brushed On, Asphaltic Paint Dampproofing | 288.12 |

### 07 11 19 Sheet Dampproofing *(07 11)*

#### 07 11 19 00-0001 Neoprene *(07 11 19)*

| | | | |
|---|---|---|---|
| 07 11 19 00-0002 | SF | 1/16" Patch Neoprene Roof (5 To 20 SF) | 41.13 |

## 07 13 Sheet Waterproofing *(07 10)*

### 07 13 13 Bituminous Sheet Waterproofing *(07 13)*

#### 07 13 13 00-0001 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped *(07 13 13)*

| | | | | |
|---|---|---|---|---|
| 07 13 13 00-0002 | CSF | 1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped | 349.46 | 123.66 |
| | | *For 30 Lb. Felt, Add* | *76.60* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-37.10* | |
| 07 13 13 00-0003 | CSF | 2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped | 438.96 | 139.12 |
| | | *For 30 Lb. Felt, Add* | *120.53* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-41.74* | |
| 07 13 13 00-0004 | CSF | 3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped | 528.45 | 154.58 |
| | | *For 30 Lb. Felt, Add* | *164.47* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-46.37* | |
| 07 13 13 00-0005 | CSF | 4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped | 617.95 | 170.04 |
| | | *For 30 Lb. Felt, Add* | *208.40* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-51.01* | |
| 07 13 13 00-0006 | CSF | 5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped | 707.44 | 185.50 |
| | | *For 30 Lb. Felt, Add* | *252.34* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-55.65* | |

#### 07 13 13 00-0007 Asphalt Coated Protective Board *(07 13 13)*

| | | | | |
|---|---|---|---|---|
| 07 13 13 00-0008 | CSF | 1/8" Asphalt Coated Protective Board | 306.15 | 124.31 |
| | | *For Application To Horizontal Surfaces, Deduct* | *-41.46* | |
| 07 13 13 00-0009 | CSF | 1/4" Asphalt Coated Protective Board | 399.37 | 129.09 |
| | | *For Application To Horizontal Surfaces, Deduct* | *-43.03* | |
| 07 13 13 00-0010 | CSF | 3/8" Asphalt Coated Protective Board | 511.66 | 134.51 |
| | | *For Application To Horizontal Surfaces, Deduct* | *-44.82* | |
| 07 13 13 00-0011 | CSF | 1/2" Asphalt Coated Protective Board | 569.46 | 139.94 |
| | | *For Application To Horizontal Surfaces, Deduct* | *-46.65* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 07 13 53 Elastomeric Sheet Waterproofing *(07 13)*

### 07 13 53 00-0001 Rubberized Membrane Sheet *(07 13 53)*

| | | | | |
|---|---|---|---|---|
| 07 13 53 00-0002 | SF | 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface | 8.34 | 1.29 |
| | | *For Floor Surfaces, Deduct* | *-1.26* | |

### 07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) *(07 13 53)*

| | | | | |
|---|---|---|---|---|
| 07 13 53 00-0004 | CSF | 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane | 516.92 | 181.64 |
| | | *For Application To Horizontal Surfaces, Deduct* | *-54.48* | |
| 07 13 53 00-0005 | CSF | 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane | 587.87 | 181.64 |
| | | *For Application To Horizontal Surfaces, Deduct* | *-54.48* | |

### 07 13 53 00-0006 Butyl Sheet Waterproofing *(07 13 53)*

| | | | | |
|---|---|---|---|---|
| 07 13 53 00-0007 | CSF | 1/32" Butyl Sheet Waterproofing | 108.74 | 45.41 |
| | | *For Joint Taping, Add* | *15.90* | |
| | | *For Each Additional Ply, Add* | *80.67* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-6.83* | |
| 07 13 53 00-0008 | CSF | 1/16" Butyl Sheet Waterproofing | 128.87 | 45.41 |
| | | *For Joint Taping, Add* | *16.91* | |
| | | *For Each Additional Ply, Add* | *94.76* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-6.83* | |

### 07 13 53 00-0009 Butyl With Nylon *(07 13 53)*

| | | | | |
|---|---|---|---|---|
| 07 13 53 00-0010 | CSF | 1/32" Butyl Elastomeric Waterproofing With Nylon | 120.25 | 45.41 |
| | | *For Joint Taping, Add* | *16.48* | |
| | | *For Each Additional Ply, Add* | *88.73* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-6.83* | |
| 07 13 53 00-0011 | CSF | 1/16" Butyl Elastomeric Waterproofing With Nylon | 133.19 | 45.41 |
| | | *For Joint Taping, Add* | *17.12* | |
| | | *For Each Additional Ply, Add* | *97.78* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-6.83* | |

### 07 13 53 00-0012 Neoprene Sheet Waterproofing *(07 13 53)*

| | | | | |
|---|---|---|---|---|
| 07 13 53 00-0013 | CSF | 1/32" Neoprene Sheet Waterproofing | 186.44 | 45.41 |
| | | *For Joint Taping, Add* | *19.79* | |
| | | *For Each Additional Ply, Add* | *135.06* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-6.83* | |
| 07 13 53 00-0014 | CSF | 1/16" Neoprene Sheet Waterproofing | 272.10 | 45.41 |
| | | *For Joint Taping, Add* | *24.07* | |
| | | *For Each Additional Ply, Add* | *195.02* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-6.83* | |

### 07 13 53 00-0015 Neoprene With Nylon *(07 13 53)*

| | | | | |
|---|---|---|---|---|
| 07 13 53 00-0016 | CSF | 1/32" Neoprene Elastomeric Waterproofing With Nylon | 195.38 | 45.41 |
| | | *For Joint Taping, Add* | *20.23* | |
| | | *For Each Additional Ply, Add* | *141.32* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-6.83* | |
| 07 13 53 00-0017 | CSF | 1/16" Neoprene Elastomeric Waterproofing With Nylon | 286.38 | 45.41 |
| | | *For Joint Taping, Add* | *24.78* | |
| | | *For Each Additional Ply, Add* | *205.02* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-6.83* | |

### 07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) *(07 13 53)*

| | | | | |
|---|---|---|---|---|
| 07 13 53 00-0019 | CSF | 4 Mil Polyethylene Vapor Barrier | 37.31 | 13.46 |
| | | *For Joint Taping, Add* | *8.72* | |
| | | *For Each Additional Ply, Add* | *29.10* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-4.47* | |
| 07 13 53 00-0020 | CSF | 6 Mil Polyethylene Vapor Barrier | 38.61 | 13.46 |
| | | *For Joint Taping, Add* | *8.78* | |
| | | *For Each Additional Ply, Add* | *30.01* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-4.47* | |
| 07 13 53 00-0021 | CSF | 10 Mil Polyethylene Vapor Barrier | 65.99 | 13.46 |
| | | *For Joint Taping, Add* | *10.15* | |
| | | *For Each Additional Ply, Add* | *49.17* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-4.47* | |
| 07 13 53 00-0022 | CSF | 60 Mil Polyethylene Vapor Barrier With Bentonite | 144.55 | 13.46 |
| | | Note: Includes seam tape, liquid mastic, anchors and termination bar. | | |
| | | *For Each Additional Ply, Add* | *104.50* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-4.97* | |

### 07 13 53 00-0023 Plastic Vapor Barrier (PVC) *(07 13 53)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 13 53 00-0024 | CSF | 10 Mil Polyvinyl Chloride (PVC) Vapor Barrier | 53.35 | 14.90 |
| | | *For Joint Taping, Add* | *9.52* | |
| | | *For Each Additional Ply, Add* | *40.32* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-4.47* | |
| 07 13 53 00-0025 | CSF | 20 Mil Polyvinyl Chloride (PVC) Vapor Barrier | 71.62 | 15.45 |
| | | *For Joint Taping, Add* | *10.69* | |
| | | *For Each Additional Ply, Add* | *53.23* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-4.64* | |
| 07 13 53 00-0026 | CSF | 30 Mil Polyvinyl Chloride (PVC) Vapor Barrier | 96.26 | 15.99 |
| | | *For Joint Taping, Add* | *12.17* | |
| | | *For Each Additional Ply, Add* | *70.58* | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-4.80* | |
| 07 13 53 00-0027 | | Vinyl Plastic Vapor Barrier *(07 13 53)* | | |
| 07 13 53 00-0028 | CSF | 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4) | 45.63 | 13.79 |

### 07 13 54 Thermoplastic Sheet Waterproofing *(07 13)*

| | | | | |
|---|---|---|---|---|
| 07 13 54 00-0001 | | Thermoplastic Sheet Waterproofing *(07 13 54)* | | |
| 07 13 54 00-0002 | SF | 60 Mil Thermoplastic Active Polymer Core Membrane (Cetco Coreflex 60) | 11.35 | |
| 07 13 54 00-0003 | SF | Cortex Active Polymer Core Seperation Sheet (Cetco Coretex) | 7.48 | |
| 07 13 54 00-0004 | SF | Hardscape Walk Path Drain Board (Cetco Aquadrain 30HD) | 2.57 | |
| 07 13 54 00-0005 | SF | Planted Area Drain Board (Cetco GS-300) | 4.54 | |
| 07 13 54 00-0006 | SF | Root Barrier (Cetco GS-120) | 3.23 | |
| 07 13 54 00-0007 | LF | Stainless Steel Termination Bar (Cetco) | 5.31 | |

## 07 14 Fluid-Applied Waterproofing *(07 10)*

### 07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing *(07 14)*

| | | | | |
|---|---|---|---|---|
| 07 14 13 00-0001 | | Hot Applied Rubberized Asphalt Waterproofing Coating *(07 14 13)* | | |
| 07 14 13 00-0002 | SF | 90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface<br>Note: Includes primer. | 2.63 | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-0.24* | |
| | | *For Reinforcing Fabric, Add* | *0.59* | |
| 07 14 13 00-0003 | SF | 125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface<br>Note: Includes primer. | 3.09 | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-0.25* | |
| | | *For Reinforcing Fabric, Add* | *0.59* | |

### 07 14 16 Cold Fluid-Applied Waterproofing *(07 14)*

| | | | | |
|---|---|---|---|---|
| 07 14 16 00-0001 | | Fluid Applied Neoprene *(07 14 16)* | | |
| 07 14 16 00-0002 | CSF | 1/8" Fiberglass Reinforced, Fluid Applied Neoprene | 600.03 | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-66.17* | |
| 07 14 16 00-0003 | CSF | 50 Mil, 4 Coats, Fluid Applied Neoprene | 1,123.37 | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-129.81* | |
| 07 14 16 00-0004 | CSF | 90 Mil, 4 Coats, Fluid Applied Neoprene | 1,813.38 | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-194.61* | |
| 07 14 16 00-0005 | | Fluid Applied Rubber Based Polyurethane *(07 14 16)* | | |
| 07 14 16 00-0006 | SF | 60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing | 4.45 | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-0.55* | |
| 07 14 16 00-0007 | SF | 90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing | 5.04 | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-0.58* | |
| 07 14 16 00-0008 | SF | 120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing | 5.68 | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-0.61* | |
| 07 14 16 00-0009 | | One Part Solution Of Chlorosulfonated Polyethylene Polymer *(07 14 16)* | | |
| 07 14 16 00-0010 | SF | 15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer | 3.26 | |
| 07 14 16 00-0011 | | Copolymer Compound *(07 14 16)* | | |
| 07 14 16 00-0012 | SF | 32 Mil, Fluid Elastomeric Copolymer Compound For Slabs | 5.08 | |
| 07 14 16 00-0013 | | Waterproofing (Sika) *(07 14 16)* | | |
| 07 14 16 00-0014 | SF | 30 Mil Thick, Two-Component Polyurethane, Roller Grade Bitumen Modified Waterproofing, (Sika Sikagard®-7600 HG) | 6.34 | |

## 07 16 Cementitious and Reactive Waterproofing *(07 10)*

### 07 16 13 Polymer Modified Cement Waterproofing *(07 16)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 16 13 00-0001 | SF | Polymer Modified Cementitious Waterproofing Assembly, 2 Coats<br>Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer. | 4.94 | |

### 07 16 16 Crystalline Waterproofing *(07 16)*

| | | | | |
|---|---|---|---|---|
| 07 16 16 00-0001 | SF | Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate) | 6.02 | |

### 07 16 19 Metal Oxide Waterproofing *(07 16)*

07 16 19 00-0001 Metallic Oxide Waterproofing *(07 16 19)*
Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors.

| | | | | |
|---|---|---|---|---|
| 07 16 19 00-0002 | CSF | Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller) | 510.71 | |
| | | *For Application To Horizontal Surfaces, Deduct* | *-63.70* | |

## 07 17 Bentonite Waterproofing *(07 10)*

### 07 17 13 Bentonite Panel Waterproofing *(07 17)*

| | | | | |
|---|---|---|---|---|
| 07 17 13 00-0001 | CSF | 3/16" Bentonite Waterproofing Panels | 495.84 | 148.33 |
| | | *For Application To Horizontal Surfaces, Deduct* | *-44.51* | |
| 07 17 13 00-0002 | CSF | 1/4" Bentonite Waterproofing Panels | 460.27 | 156.72 |
| | | *For Application To Horizontal Surfaces, Deduct* | *-48.17* | |
| 07 17 13 00-0003 | CSF | 5/8" Bentonite Waterproofing Panels | 617.56 | 163.43 |
| | | *For Application To Horizontal Surfaces, Deduct* | *-49.02* | |
| 07 17 13 00-0004 | CSF | 3/8" Granular Bentonite, Troweled | 499.30 | 135.93 |
| | | *For Application To Horizontal Surfaces, Deduct* | *-40.76* | |

## 07 18 Traffic Coatings *(07 10)*

### 07 18 13 Pedestrian Traffic Coatings *(07 18)*

07 18 13 00-0001 Elastomeric Plaza Deck System (Garland Dura-Walk®) *(07 18 13)*
Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Exlucdes surface preparaion, deck crack repair, joint sealants or markings.

| | | | | |
|---|---|---|---|---|
| 07 18 13 00-0002 | SQ | Porous Concrete Primer (Garland Dura-Walk® FC Primer Kit) | 178.85 | |
| 07 18 13 00-0003 | SQ | 32 mils, Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) | 509.67 | |
| 07 18 13 00-0004 | SQ | 16 mils, Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) | 294.13 | |
| 07 18 13 00-0005 | SQ | 16 mils, Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) | 351.70 | |
| 07 18 13 00-0006 | LF | 6" Wide, Poly Joint Tape (Garland Dura-Walk®) | 1.79 | |

### 07 18 16 Vehicular Traffic Coatings *(07 18)*

07 18 16 00-0001 Preparation For Vehicular Traffic Coating *(07 18 16)*
See CSI section 03 01 30 71-0053 for crack repairs, 32 17 23 00-0000 for pavement markings.

| | | | | |
|---|---|---|---|---|
| 07 18 16 00-0002 | SF | Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating | 1.09 | |
| 07 18 16 00-0003 | SF | Shot Blasting Concrete Surface For Vehicular Traffic Coating | 2.66 | |

07 18 16 00-0004 Vehicular Traffic Bearing Waterproofing System System (UPI) *(07 18 16)*
Note: Excludes deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 32 17 23 00-0000 for pavement markings.

| | | | | |
|---|---|---|---|---|
| 07 18 16 00-0005 | SF | Vehicular Traffic Bearing Waterproofing System Complete (UPI UREADEK 6700-VT)<br>Note: Includes primer (UI-71 18), 32 mil base coat (UI-7013), 16 mil intermediate coat (UI-7016 AR), 16 mil top coat (UI-7016 AL), and non-slip texture finish. Excludes crack repair or caulking. | 10.47 | |
| | | *For second coat 16 mil intermediate coat (UI-7016 AR), Add* | *1.98* | |

07 18 16 00-0006 Vehicular Traffic Coating (Sika) *(07 18 16)*
Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.

| | | | | |
|---|---|---|---|---|
| 07 18 16 00-0007 | SF | 23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720)<br>Note: Excludes crack repair or caulking. | 3.92 | |
| 07 18 16 00-0008 | SF | 12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)<br>Note: Excludes crack repair or caulking. | 2.41 | |
| 07 18 16 00-0009 | SF | 14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)<br>Note: Excludes crack repair or caulking. | 2.56 | |
| 07 18 16 00-0010 | SF | 16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)<br>Note: Excludes crack repair or caulking. | 2.73 | |
| 07 18 16 00-0011 | SF | 18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)<br>Note: Excludes crack repair or caulking. | 2.87 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 18 16 00-0012 | SF | 14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)<br>Note: Excludes crack repair or caulking. | 2.78 | |
| 07 18 16 00-0013 | SF | 16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)<br>Note: Excludes crack repair or caulking. | 3.02 | |
| 07 18 16 00-0014 | SF | 18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)<br>Note: Excludes crack repair or caulking. | 3.27 | |
| 07 18 16 00-0015 | | Vehicular Traffic Bearing Waterproofing System System (Dex-O-Tex Auto-Dex V) *(07 18 16)*<br>Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings. | | |
| 07 18 16 00-0016 | SF | Vehicular Traffic Bearing Waterproofing System (Dex-O-Tex Auto-Dex V)<br>Note: A. Troweled waterproof neoprene co-polymer composition vehicular traffic bearing waterproof surfacing system shall be Dex-O-Tex Auto-Dex V as manufactured by Crossfield Products Corp., in Rancho Dominguez, California and Roselle Park, New Jersey. B. The trowel applied waterproof neoprene co-polymer composition vehicular traffic bearing waterproof surfacing system shall be composed of a co-polymer bondcoat, neoprene waterproof membrane, and cementitious co-polymer traffic topping surfacing. 1.) All resin binders and all rubber emulsions shall be compounded with neoprene or polyacrylate co-polymer liquids and shall have a minimum polymer, neoprene, solids content of 35% when tested by the dry cup method. 2.) Aggregate for traffic surface coating shall be suitably graded, fine trap-rock passing a #20 mesh sieve and retained on a #40 mesh sieve. 3.) Fabric used as reinforcement for waterproof membrane shall be 7-1/2 oz. Woven polypropylene fabric. | 14.81 | |
| 07 18 16 00-0017 | | Traffic Coating Repair (Sika) *(07 18 16)*<br>Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings. | | |
| 07 18 16 00-0018 | SF | 5 +/- 1 mils (Dry Film Thickness per Coat), Two Component, High Solids, Liquid Applied Primer (Sika Sikalastic® Recoat Primer) | 0.94 | |
| 07 18 16 00-0019 | SF | Low-modulus, Low-viscosity, Epoxy Resin Primer (Sikadur® 21) | 0.63 | |
| 07 18 16 00-0020 | SF | Up To 1/2" Thick, Low-modulus, Low-viscosity, Epoxy Resin Mortar Binder (Sikadur® 21) | 1.43 | |
| 07 18 16 00-0021 | SF | Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Primer (Sikadur® 22) | 0.84 | |
| 07 18 16 00-0022 | SF | 50 Mils, Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Binder (Sikadur® 22) | 1.54 | |
| 07 18 16 00-0023 | SF | Broadcast Sand Coating | 0.25 | |
| 07 18 16 00-0024 | SF | Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Top Coat (Sikadur® 22) | 0.89 | |
| 07 18 16 00-0025 | SF | Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Traffic Overlay (Sikadur® 22) | 4.07 | |
| **07 18 21** | | **Traffic-Bearing Roof Deck Surfacing** *(07 18)* | | |
| 07 18 21 00-0001 | | Decking Coating System (Polycoat POLY-I-GARD® 575FC) *(07 18 21)*<br>Note: Excludes surface preparaion, deck crack repair or other joint sealants. See CSI section 07 18 16 00-0001 for surface preparaion. | | |
| 07 18 21 00-0002 | SF | 4 Dry Mils, Epoxy Primer For Deck Coating System (Polycoat Polyprime® 21) | 1.31 | |
| 07 18 21 00-0003 | SF | 24 ± 2 Dry Mils, Base For Deck Coating System (Polycoat PC-260) | 3.77 | |
| 07 18 21 00-0004 | SF | 18 ± 2 Dry Mils, Topcoat For Deck Coating System (Polycoat Poly-I-Gard® 295) | 3.52 | |
| 07 18 21 00-0005 | SF | 15 ± 2 Dry Mils, Topcoat For Deck Coating System (Polycoat Poly-I-Gard® 295)<br>Note: Additional coat for ramps, turn radii, and other heavy traffic areas. | 3.12 | |
| 07 18 21 00-0006 | | Weatherwear Roof Deck Coating System (Dex-O-Tex) *(07 18 21)* | | |
| 07 18 21 00-0007 | SF | Dex-O-Tex Weatherwear Promenade Roof Deck System<br>Note: Includes mobilize and set up. Install Dex-O-Tex Weatherwear Promenade Roof Deck System per manufacturer's specifications and waterproof at drain locations. (Supply and installation of drains by others). Final clean up and demobilize. | 38.28 | |
| 07 18 21 00-0008 | LF | Dex-O-Tex 26G Bonderized 4" x 8" flashing<br>Note: supply and install 26G Bonderized 4" x 8" flashing at deck to wall transitions per plans and specifications. (Flashing per detail A.1/3.) | 17.65 | |
| 07 18 21 00-0009 | SF | Dex-O-Tex G-26 Underlayment at 3" Average for Sloping<br>Note: Includes mobilize and set up. Install Dex-O-Tex G-26 Cementitious Underlayment for sloping at 3" average per A.1/B. Clean up. | 44.84 | |
| 07 18 21 00-0010 | SF | Mechanically Prepare Surface For Underlayment<br>Note: Mechanically prepare surface to create bonding profile per manufacturer specifications. | 3.28 | |
| **07 19** | | **Water Repellents** *(07 10)* | | |
| **07 19 13** | | **Acrylic Sealer** *(07 19)*<br>Note: Per coat. | | |
| 07 19 13 00-0001 | SF | Spray On Concrete, Acrylic Sealer | 2.81 | |
| 07 19 13 00-0002 | SF | Spray On Concrete Block/Brick, Acrylic Sealer | 3.35 | |
| 07 19 13 00-0003 | SF | Spray On Stone, Acrylic Sealer | 3.68 | |
| **07 19 16** | | **Silane Water Repellents** *(07 19)* | | |
| 07 19 16 00-0001 | | Silane Concrete Sealer *(07 19 16)* | | |
| 07 19 16 00-0002 | SF | Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB) | 0.78 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 19 16 00-0003 | SF | Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB) | 1.14 | |

### 07 19 16 00-0004 Silane/Siloxane Concrete Sealer *(07 19 16)*

| | | | | |
|---|---|---|---|---|
| 07 19 16 00-0005 | SF | Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)<br>Note: 40% silane, alcohol based. | 1.38 | |
| 07 19 16 00-0006 | SF | Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)<br>Note: 40% silane, alcohol based. | 2.01 | |
| 07 19 16 00-0007 | SF | Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)<br>Note: 200 SF/GAL | 0.54 | |
| 07 19 16 00-0008 | SF | Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) | 0.79 | |

# 07 20 Thermal Protection *(07)*

## 07 21 Thermal Insulation *(07 20)*

### 07 21 13 Board Insulation *(07 21)*

Note: Types are stock sizes, mastic applied.

#### 07 21 13 13 Foam Board Insulation *(07 21 13)*

### 07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation *(07 21 13 13)*

### 07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 07 21 13 13-0003 | SF | 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied | 4.21 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.06* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| 07 21 13 13-0004 | SF | 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied | 5.93 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.06* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| 07 21 13 13-0005 | SF | 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied | 7.08 | 0.39 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| 07 21 13 13-0006 | SF | 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied | 9.37 | 0.40 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |

### 07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 07 21 13 13-0008 | SF | 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied | 1.81 | 0.37 |
| | | *For Horizontal Surface Application, Deduct* | *-0.06* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| 07 21 13 13-0009 | SF | 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied | 1.88 | 0.37 |
| | | *For Horizontal Surface Application, Deduct* | *-0.06* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| 07 21 13 13-0010 | SF | 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied | 2.17 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.06* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| 07 21 13 13-0011 | SF | 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied | 2.44 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.06* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| 07 21 13 13-0012 | SF | 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied | 3.56 | 0.39 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| 07 21 13 13-0013 | SF | 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied | 4.66 | 0.40 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| 07 21 13 13-0014 | SF | 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied | 5.78 | 0.41 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| 07 21 13 13-0015 | SF | 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied | 6.88 | 0.42 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| 07 21 13 13-0016 | SF | 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied | 8.00 | 0.43 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |

### 07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*

Note: 15 PSI compressive strength.

| | | | | |
|---|---|---|---|---|
| 07 21 13 13-0018 | SF | 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied | 2.04 | 0.37 |
| | | *For Horizontal Surface Application, Deduct* | *-0.06* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.23* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.54* | |
| | | *For 60 PSI Compressive Strength, Add* | *0.85* | |
| | | *For 115 PSI Compressive Strength, Add* | *3.71* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 21 13 13-0019 | SF | 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied | 2.40 | 0.37 |
| | | *For Horizontal Surface Application, Deduct* | *-0.06* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.28* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.68* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.06* | |
| | | *For 115 PSI Compressive Strength, Add* | *4.64* | |
| 07 21 13 13-0020 | SF | 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied | 2.70 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.06* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.33* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.79* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.23* | |
| | | *For 115 PSI Compressive Strength, Add* | *5.38* | |
| 07 21 13 13-0021 | SF | 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied | 2.84 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.06* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.35* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.84* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.31* | |
| | | *For 115 PSI Compressive Strength, Add* | *5.74* | |
| 07 21 13 13-0022 | SF | 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied | 4.36 | 0.39 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.59* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.41* | |
| | | *For 60 PSI Compressive Strength, Add* | *2.18* | |
| | | *For 115 PSI Compressive Strength, Add* | *9.60* | |
| 07 21 13 13-0023 | SF | 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied | 5.87 | 0.40 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.83* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.98* | |
| | | *For 60 PSI Compressive Strength, Add* | *3.05* | |
| | | *For 115 PSI Compressive Strength, Add* | *13.46* | |
| 07 21 13 13-0024 | SF | 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied | 6.64 | 0.41 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.95* | |
| | | *For 40 PSI Compressive Strength, Add* | *2.26* | |
| | | *For 60 PSI Compressive Strength, Add* | *3.49* | |
| | | *For 115 PSI Compressive Strength, Add* | *15.39* | |

## 07 21 13 13-0025 Mechanically Fastened Foam Board Insulation *(07 21 13 13)*

Note: Mechanically fastened to wood or steel.

## 07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0025)*

Note: Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 21 13 13-0027 | SF | 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened | 4.14 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 13-0028 | SF | 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened | 5.95 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.53* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 13-0029 | SF | 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened | 7.11 | 0.39 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.53* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 21 13 13-0030 | SF | 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened | 9.49 | 0.40 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| **07 21 13 13-0031** | | **Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation** *(07 21 13 13-0025)* | | |
| 07 21 13 13-0032 | SF | 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) | 1.73 | 0.37 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 13-0033 | SF | 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) | 1.80 | 0.37 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 13-0034 | SF | 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) | 2.08 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 13-0035 | SF | 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) | 2.36 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 13-0036 | SF | 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) | 3.58 | 0.39 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.53* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |
| 07 21 13 13-0037 | SF | 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) | 4.79 | 0.40 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 21 13 13-0038 | SF | 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) | 6.05 | 0.41 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.13* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.70* | |
| 07 21 13 13-0039 | SF | 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) | 7.36 | 0.42 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.64* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *8.66* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 21 13 13-0040 | SF | 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) | 8.78 | 0.43 |
| | | *For Horizontal Surface Application, Deduct* | *-0.09* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |

### 07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 21 13 13-0042 | SF | 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened | 1.96 | 0.37 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.19* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.46* | |
| | | *For 60 PSI Compressive Strength, Add* | *0.74* | |
| | | *For 115 PSI Compressive Strength, Add* | *3.18* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 13-0043 | SF | 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened | 2.32 | 0.37 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.25* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.60* | |
| | | *For 60 PSI Compressive Strength, Add* | *0.95* | |
| | | *For 115 PSI Compressive Strength, Add* | *4.11* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 13-0044 | SF | 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened | 2.61 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.30* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.71* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.12* | |
| | | *For 115 PSI Compressive Strength, Add* | *4.86* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 21 13 13-0045 | SF | 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened | 2.76 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.32* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.76* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.20* | |
| | | *For 115 PSI Compressive Strength, Add* | *5.22* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 13-0046 | SF | 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened | 4.38 | 0.39 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.57* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.36* | |
| | | *For 60 PSI Compressive Strength, Add* | *2.12* | |
| | | *For 115 PSI Compressive Strength, Add* | *9.31* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.53* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |
| 07 21 13 13-0047 | SF | 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened | 6.00 | 0.40 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.83* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.97* | |
| | | *For 60 PSI Compressive Strength, Add* | *3.05* | |
| | | *For 115 PSI Compressive Strength, Add* | *13.42* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| 07 21 13 13-0048 | SF | 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened | 6.91 | 0.41 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.97* | |
| | | *For 40 PSI Compressive Strength, Add* | *2.31* | |
| | | *For 60 PSI Compressive Strength, Add* | *3.57* | |
| | | *For 115 PSI Compressive Strength, Add* | *15.73* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.13* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.70* | |

## 07 21 13 16 Fibrous Board Insulation *(07 21 13)*

### 07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation *(07 21 13 16)*

### 07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0001)*

| | | | | |
|---|---|---|---|---|
| 07 21 13 16-0003 | SF | 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied | 2.64 | 0.47 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| 07 21 13 16-0004 | SF | 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied | 3.92 | 0.57 |
| | | *For Horizontal Surface Application, Deduct* | *-0.10* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| 07 21 13 16-0005 | SF | 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied | 5.19 | 0.66 |
| | | *For Horizontal Surface Application, Deduct* | *-0.11* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |

### 07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0001)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 21 13 16-0007 | SF | 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied | 4.87 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.06* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| 07 21 13 16-0008 | SF | 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied | 5.78 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.06* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| 07 21 13 16-0009 | SF | 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied | 7.16 | 0.39 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| 07 21 13 16-0010 | SF | 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied | 8.28 | 0.39 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| 07 21 13 16-0011 | SF | 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied | 9.40 | 0.40 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |

### 07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation *(07 21 13 16)*

Note: Mechanically fastened to wood or steel.

### 07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 21 13 16-0014 | SF | 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened | 2.43 | 0.47 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 16-0015 | SF | 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened | 3.80 | 0.57 |
| | | *For Horizontal Surface Application, Deduct* | *-0.10* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.53* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |
| 07 21 13 16-0016 | SF | 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened | 5.17 | 0.66 |
| | | *For Horizontal Surface Application, Deduct* | *-0.11* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |

### 07 21 13 16-0017 Mechanically Fastened, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 21 13 16-0018 | SF | 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened | 4.79 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 21 13 16-0019 | SF | 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened | 5.80 | 0.38 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.53* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 16-0020 | SF | 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened | 7.19 | 0.39 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.53* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |
| 07 21 13 16-0021 | SF | 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened | 8.41 | 0.39 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |
| 07 21 13 16-0022 | SF | 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened | 9.52 | 0.40 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |

## 07 21 13 19 Mineral Board Insulation *(07 21 13)*

### 07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation *(07 21 13 19)*

### 07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation
*(07 21 13 19-0001)*

| | | | | |
|---|---|---|---|---|
| 07 21 13 19-0003 | SF | 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied | 1.98 | 0.43 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| 07 21 13 19-0004 | SF | 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied | 2.37 | 0.45 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| 07 21 13 19-0005 | SF | 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied | 2.77 | 0.47 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| 07 21 13 19-0006 | SF | 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied | 3.48 | 0.52 |
| | | *For Horizontal Surface Application, Deduct* | *-0.09* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| 07 21 13 19-0007 | SF | 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied | 4.19 | 0.57 |
| | | *For Horizontal Surface Application, Deduct* | *-0.10* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| 07 21 13 19-0008 | SF | 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied | 5.60 | 0.66 |
| | | *For Horizontal Surface Application, Deduct* | *-0.11* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |

### 07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation *(07 21 13 19)*
Note: Mechanically fastened to wood or steel.

### 07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation
*(07 21 13 19-0009)*
Note: Mechanically fastened to wood or steel.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 21 13 19-0011 | SF | 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened | 1.77 | 0.43 |
| | | *For Horizontal Surface Application, Deduct* | *-0.07* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 19-0012 | SF | 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened | 2.16 | 0.45 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 19-0013 | SF | 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened | 2.56 | 0.47 |
| | | *For Horizontal Surface Application, Deduct* | *-0.08* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.47* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 19-0014 | SF | 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened | 3.36 | 0.52 |
| | | *For Horizontal Surface Application, Deduct* | *-0.09* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.53* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 21 13 19-0015 | SF | 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened | 4.07 | 0.57 |
| | | *For Horizontal Surface Application, Deduct* | *-0.10* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.53* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |
| 07 21 13 19-0016 | SF | 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened | 5.57 | 0.66 |
| | | *For Horizontal Surface Application, Deduct* | *-0.11* | |
| | | *For Vapor Barrier, Integral With Insulation, Add* | *0.05* | |
| | | *For Factory Painted On One Surface Add* | *0.17* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |

## 07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

### 07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

### 07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 21 16 00-0003 | SF | 3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation | 1.56 | 0.46 |
| | | *For >1,600, Deduct* | *-0.18* | |
| 07 21 16 00-0004 | SF | 3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation | 1.69 | 0.46 |
| | | *For >1,600, Deduct* | *-0.20* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 21 16 00-0005 | SF | 3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation | 1.74 | 0.46 |
| | | *For >1,600, Deduct* | *-0.21* | |
| 07 21 16 00-0006 | SF | 5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation | 2.35 | 0.46 |
| | | *For >1,600, Deduct* | *-0.33* | |
| 07 21 16 00-0007 | SF | 6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation | 1.97 | 0.46 |
| | | *For >1,600, Deduct* | *-0.25* | |
| 07 21 16 00-0008 | SF | 9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation | 2.77 | 0.57 |
| | | *For >1,600, Deduct* | *-0.39* | |
| 07 21 16 00-0009 | SF | 12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation | 3.14 | 0.57 |
| | | *For >1,600, Deduct* | *-0.43* | |
| 07 21 16 00-0010 | | **Unfaced, Fiberglass Flexible Insulation** *(07 21 16 00-0001)* | | |
| 07 21 16 00-0011 | SF | 3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation | 1.47 | 0.46 |
| | | *For >1,600, Deduct* | *-0.16* | |
| 07 21 16 00-0012 | SF | 3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation | 1.63 | 0.46 |
| | | *For >1,600, Deduct* | *-0.19* | |
| 07 21 16 00-0013 | SF | 3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation | 2.08 | 0.46 |
| | | *For >1,600, Deduct* | *-0.28* | |
| 07 21 16 00-0014 | SF | 5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation | 2.25 | 0.46 |
| | | *For >1,600, Deduct* | *-0.31* | |
| 07 21 16 00-0015 | SF | 6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation | 2.34 | 0.46 |
| | | *For >1,600, Deduct* | *-0.32* | |
| 07 21 16 00-0016 | SF | 9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation | 2.59 | 0.57 |
| | | *For >1,600, Deduct* | *-0.35* | |
| 07 21 16 00-0017 | SF | 12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation | 3.03 | 0.57 |
| | | *For >1,600, Deduct* | *-0.41* | |
| 07 21 16 00-0018 | | **Foil Faced, Fiberglass Flexible Insulation** *(07 21 16 00-0001)* | | |
| 07 21 16 00-0019 | SF | 3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation | 1.80 | 0.46 |
| | | *For >1,600, Deduct* | *-0.23* | |
| 07 21 16 00-0020 | SF | 3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation | 2.02 | 0.46 |
| | | *For >1,600, Deduct* | *-0.27* | |
| 07 21 16 00-0021 | SF | 6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation | 2.28 | 0.46 |
| | | *For >1,600, Deduct* | *-0.31* | |
| 07 21 16 00-0022 | SF | 10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation | 3.24 | 0.57 |
| | | *For >1,600, Deduct* | *-0.46* | |
| 07 21 16 00-0023 | SF | 12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation | 3.56 | 0.57 |
| | | *For >1,600, Deduct* | *-0.52* | |
| 07 21 16 00-0024 | | **Poly-Encapsulated, Fiberglass Flexible Insulation** *(07 21 16 00-0001)* | | |
| 07 21 16 00-0025 | SF | 3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation | 1.60 | 0.46 |
| | | *For >1,600, Deduct* | *-0.19* | |
| 07 21 16 00-0026 | SF | 3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation | 1.74 | 0.46 |
| | | *For >1,600, Deduct* | *-0.21* | |
| 07 21 16 00-0027 | SF | 5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation | 2.43 | 0.46 |
| | | *For >1,600, Deduct* | *-0.35* | |
| 07 21 16 00-0028 | SF | 6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation | 1.99 | 0.46 |
| | | *For >1,600, Deduct* | *-0.25* | |
| 07 21 16 00-0029 | SF | 8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation | 2.70 | 0.57 |
| | | *For >1,600, Deduct* | *-0.38* | |
| 07 21 16 00-0030 | SF | 10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation | 3.03 | 0.57 |
| | | *For >1,600, Deduct* | *-0.41* | |
| 07 21 16 00-0031 | | **Mineral Wool Flexible Insulation** *(07 21 16)* | | |
| 07 21 16 00-0032 | | **Kraft Faced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)* | | |
| 07 21 16 00-0033 | SF | 3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation | 1.76 | 0.46 |
| | | *For >1,600, Deduct* | *-0.22* | |
| 07 21 16 00-0034 | SF | 6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation | 2.37 | 0.46 |
| | | *For >1,600, Deduct* | *-0.33* | |
| 07 21 16 00-0035 | SF | 9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation | 3.76 | 0.46 |
| | | *For >1,600, Deduct* | *-0.58* | |
| 07 21 16 00-0036 | SF | 12" Kraft Faced, R-38 Mineral Wool Flexible Insulation | 4.48 | 0.46 |
| | | *For >1,600, Deduct* | *-0.70* | |
| 07 21 16 00-0037 | | **Unfaced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)* | | |
| 07 21 16 00-0038 | SF | 3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation | 1.63 | 0.46 |
| | | *For >1,600, Deduct* | *-0.19* | |
| 07 21 16 00-0039 | SF | 6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation | 2.17 | 0.46 |
| | | *For >1,600, Deduct* | *-0.29* | |
| 07 21 16 00-0040 | SF | 9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation | 3.36 | 0.46 |
| | | *For >1,600, Deduct* | *-0.50* | |
| 07 21 16 00-0041 | SF | 12" Unfaced, R-38 Mineral Wool Flexible Insulation | 4.00 | 0.46 |
| | | *For >1,600, Deduct* | *-0.61* | |
| 07 21 16 00-0042 | | **Natural Cotton Insulation** *(07 21 16)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 21 16 00-0043 | | UltraTouch™ Natural Cotton Insulation *(07 21 16 00-0042)*<br>Note: 85% recycled denim cotton. | | |
| 07 21 16 00-0044 | SF | 3-1/2", R-13 UltraTouch™ Natural Cotton Insulation | 2.45 | 0.46 |
| | | *For >1,600, Deduct* | *-0.36* | |
| 07 21 16 00-0045 | SF | 5-1/2", R-19 UltraTouch™ Natural Cotton Insulation | 2.74 | 0.46 |
| | | *For >1,600, Deduct* | *-0.41* | |
| 07 21 16 00-0046 | SF | 5-1/2", R-21 UltraTouch™ Natural Cotton Insulation | 3.08 | 0.46 |
| | | *For >1,600, Deduct* | *-0.48* | |
| 07 21 16 00-0047 | SF | 8", R-30 UltraTouch™ Natural Cotton Insulation | 4.13 | 0.46 |
| | | *For >1,600, Deduct* | *-0.67* | |
| **07 21 19** | | **Foamed-In-Place Insulation** *(07 21)* | | |
| 07 21 19 00-0001 | | Polyurethane Foam Insulation, Sprayed On *(07 21 19)* | | |
| 07 21 19 00-0002 | EA | Foamed-In-Place, Spray Polyurethane Insulation Minimum Charge<br>Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 1,413.54 | |
| 07 21 19 00-0003 | SF | 1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation | 1.49 | |
| | | *For Up To 250 SF, Add* | *0.55* | |
| | | *For >250 To 500 SF, Add* | *0.28* | |
| | | *For >500 To 1,000 SF, Add* | *0.12* | |
| | | *For >5,000 To 10,000 SF, Deduct* | *-0.18* | |
| | | *For >10,000 SF, Deduct* | *-0.44* | |
| 07 21 19 00-0004 | SF | 1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation | 2.04 | |
| | | *For Up To 250 SF, Add* | *0.73* | |
| | | *For >250 To 500 SF, Add* | *0.37* | |
| | | *For >500 To 1,000 SF, Add* | *0.16* | |
| | | *For >5,000 To 10,000 SF, Deduct* | *-0.23* | |
| | | *For >10,000 SF, Deduct* | *-0.58* | |
| 07 21 19 00-0005 | SF | 2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation | 2.57 | |
| | | *For Up To 250 SF, Add* | *0.90* | |
| | | *For >250 To 500 SF, Add* | *0.45* | |
| | | *For >500 To 1,000 SF, Add* | *0.19* | |
| | | *For >5,000 To 10,000 SF, Deduct* | *-0.29* | |
| | | *For >10,000 SF, Deduct* | *-0.71* | |
| 07 21 19 00-0006 | SF | 2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation | 3.09 | |
| | | *For Up To 250 SF, Add* | *1.07* | |
| | | *For >250 To 500 SF, Add* | *0.53* | |
| | | *For >500 To 1,000 SF, Add* | *0.23* | |
| | | *For >5,000 To 10,000 SF, Deduct* | *-0.34* | |
| | | *For >10,000 SF, Deduct* | *-0.84* | |
| 07 21 19 00-0007 | SF | 3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation | 3.63 | |
| | | *For Up To 250 SF, Add* | *1.24* | |
| | | *For >250 To 500 SF, Add* | *0.62* | |
| | | *For >500 To 1,000 SF, Add* | *0.27* | |
| | | *For >5,000 To 10,000 SF, Deduct* | *-0.40* | |
| | | *For >10,000 SF, Deduct* | *-0.97* | |
| 07 21 19 00-0008 | SF | 3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation | 4.16 | |
| | | *For Up To 250 SF, Add* | *1.41* | |
| | | *For >250 To 500 SF, Add* | *0.71* | |
| | | *For >500 To 1,000 SF, Add* | *0.30* | |
| | | *For >5,000 To 10,000 SF, Deduct* | *-0.46* | |
| | | *For >10,000 SF, Deduct* | *-1.11* | |
| 07 21 19 00-0009 | SF | 4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation | 4.69 | |
| | | *For Up To 250 SF, Add* | *1.58* | |
| | | *For >250 To 500 SF, Add* | *0.79* | |
| | | *For >500 To 1,000 SF, Add* | *0.34* | |
| | | *For >5,000 To 10,000 SF, Deduct* | *-0.51* | |
| | | *For >10,000 SF, Deduct* | *-1.24* | |
| 07 21 19 00-0010 | SF | 4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation | 5.22 | |
| | | *For Up To 250 SF, Add* | *1.75* | |
| | | *For >250 To 500 SF, Add* | *0.87* | |
| | | *For >500 To 1,000 SF, Add* | *0.38* | |
| | | *For >5,000 To 10,000 SF, Deduct* | *-0.57* | |
| | | *For >10,000 SF, Deduct* | *-1.37* | |
| 07 21 19 00-0011 | SF | 5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation | 5.76 | |
| | | *For Up To 250 SF, Add* | *1.92* | |
| | | *For >250 To 500 SF, Add* | *0.96* | |
| | | *For >500 To 1,000 SF, Add* | *0.42* | |
| | | *For >5,000 To 10,000 SF, Deduct* | *-0.62* | |
| | | *For >10,000 SF, Deduct* | *-1.51* | |
| 07 21 19 00-0012 | SF | 5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation | 6.30 | |
| | | *For Up To 250 SF, Add* | *2.10* | |
| | | *For >250 To 500 SF, Add* | *1.05* | |
| | | *For >500 To 1,000 SF, Add* | *0.45* | |
| | | *For >5,000 To 10,000 SF, Deduct* | *-0.68* | |
| | | *For >10,000 SF, Deduct* | *-1.64* | |
| 07 21 19 00-0013 | SF | 6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation | 6.83 | |
| | | *For Up To 250 SF, Add* | *2.27* | |
| | | *For >250 To 500 SF, Add* | *1.13* | |
| | | *For >500 To 1,000 SF, Add* | *0.49* | |
| | | *For >5,000 To 10,000 SF, Deduct* | *-0.74* | |
| | | *For >10,000 SF, Deduct* | *-1.77* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 07 21 19 00-0014 | | SF | 1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation | 2.89 | |
| | | | *For Up To 250 SF, Add* | *1.06* | |
| | | | *For >250 To 500 SF, Add* | *0.53* | |
| | | | *For >500 To 1,000 SF, Add* | *0.23* | |
| | | | *For >5,000 To 10,000 SF, Deduct* | *-0.34* | |
| | | | *For >10,000 SF, Deduct* | *-0.84* | |
| 07 21 19 00-0015 | | SF | 1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation | 3.84 | |
| | | | *For Up To 250 SF, Add* | *1.35* | |
| | | | *For >250 To 500 SF, Add* | *0.67* | |
| | | | *For >500 To 1,000 SF, Add* | *0.29* | |
| | | | *For >5,000 To 10,000 SF, Deduct* | *-0.43* | |
| | | | *For >10,000 SF, Deduct* | *-1.06* | |
| 07 21 19 00-0016 | | SF | 2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation | 4.69 | |
| | | | *For Up To 250 SF, Add* | *1.58* | |
| | | | *For >250 To 500 SF, Add* | *0.79* | |
| | | | *For >500 To 1,000 SF, Add* | *0.34* | |
| | | | *For >5,000 To 10,000 SF, Deduct* | *-0.51* | |
| | | | *For >10,000 SF, Deduct* | *-1.24* | |
| 07 21 19 00-0017 | | SF | 2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation | 5.65 | |
| | | | *For Up To 250 SF, Add* | *1.87* | |
| | | | *For >250 To 500 SF, Add* | *0.93* | |
| | | | *For >500 To 1,000 SF, Add* | *0.41* | |
| | | | *For >5,000 To 10,000 SF, Deduct* | *-0.61* | |
| | | | *For >10,000 SF, Deduct* | *-1.46* | |
| 07 21 19 00-0018 | | SF | 3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation | 6.50 | |
| | | | *For Up To 250 SF, Add* | *2.10* | |
| | | | *For >250 To 500 SF, Add* | *1.05* | |
| | | | *For >500 To 1,000 SF, Add* | *0.46* | |
| | | | *For >5,000 To 10,000 SF, Deduct* | *-0.69* | |
| | | | *For >10,000 SF, Deduct* | *-1.64* | |
| 07 21 19 00-0019 | | SF | 3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation | 7.47 | |
| | | | *For Up To 250 SF, Add* | *2.39* | |
| | | | *For >250 To 500 SF, Add* | *1.20* | |
| | | | *For >500 To 1,000 SF, Add* | *0.52* | |
| | | | *For >5,000 To 10,000 SF, Deduct* | *-0.79* | |
| | | | *For >10,000 SF, Deduct* | *-1.87* | |
| 07 21 19 00-0020 | | SF | 4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation | 8.32 | |
| | | | *For Up To 250 SF, Add* | *2.63* | |
| | | | *For >250 To 500 SF, Add* | *1.32* | |
| | | | *For >500 To 1,000 SF, Add* | *0.58* | |
| | | | *For >5,000 To 10,000 SF, Deduct* | *-0.87* | |
| | | | *For >10,000 SF, Deduct* | *-2.05* | |
| 07 21 19 00-0021 | | SF | 4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation | 9.28 | |
| | | | *For Up To 250 SF, Add* | *2.92* | |
| | | | *For >250 To 500 SF, Add* | *1.46* | |
| | | | *For >500 To 1,000 SF, Add* | *0.64* | |
| | | | *For >5,000 To 10,000 SF, Deduct* | *-0.96* | |
| | | | *For >10,000 SF, Deduct* | *-2.28* | |
| 07 21 19 00-0022 | | SF | 5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation | 10.13 | |
| | | | *For Up To 250 SF, Add* | *3.15* | |
| | | | *For >250 To 500 SF, Add* | *1.58* | |
| | | | *For >500 To 1,000 SF, Add* | *0.69* | |
| | | | *For >5,000 To 10,000 SF, Deduct* | *-1.04* | |
| | | | *For >10,000 SF, Deduct* | *-2.46* | |
| 07 21 19 00-0023 | | SF | 5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation | 11.09 | |
| | | | *For Up To 250 SF, Add* | *3.44* | |
| | | | *For >250 To 500 SF, Add* | *1.72* | |
| | | | *For >500 To 1,000 SF, Add* | *0.76* | |
| | | | *For >5,000 To 10,000 SF, Deduct* | *-1.14* | |
| | | | *For >10,000 SF, Deduct* | *-2.68* | |
| 07 21 19 00-0024 | | SF | 6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation | 11.94 | |
| | | | *For Up To 250 SF, Add* | *3.67* | |
| | | | *For >250 To 500 SF, Add* | *1.84* | |
| | | | *For >500 To 1,000 SF, Add* | *0.81* | |
| | | | *For >5,000 To 10,000 SF, Deduct* | *-1.22* | |
| | | | *For >10,000 SF, Deduct* | *-2.86* | |

### 07 21 19 00-0025 Expanding Foam Insulation To Fill Hollow Metal Door Frames *(07 21 19)*

| | | | | | |
|---|---|---|---|---|---|
| 07 21 19 00-0026 | | LF | Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame | 4.63 | |
| 07 21 19 00-0027 | | LF | Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame | 5.78 | |
| 07 21 19 00-0028 | | LF | Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame | 6.94 | |
| 07 21 19 00-0029 | | LF | Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame | 8.14 | |
| 07 21 19 00-0030 | | LF | Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame | 9.44 | |

### 07 21 19 00-0031 Expanding Foam Insulation To Fill Window Frames *(07 21 19)*

| | | | | | |
|---|---|---|---|---|---|
| 07 21 19 00-0032 | | LF | Expanding Foam Insulation To Fill Window Frame | 4.52 | |

## 07 21 23 Loose-Fill Insulation *(07 21)*

### 07 21 23 00-0001 Poured Type, Loose Fill Insulation *(07 21 23)*

| | | | | | |
|---|---|---|---|---|---|
| 07 21 23 00-0002 | | CF | R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation | 6.93 | 2.64 |
| 07 21 23 00-0003 | | CF | R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation | 7.54 | 2.64 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 21 23 00-0004 | | Concrete Block Wall Cavity Insulation *(07 21 23)* | | |
| 07 21 23 00-0005 | CF | R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation | 10.04 | 2.64 |
| 07 21 23 00-0006 | CF | R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation | 9.94 | 2.64 |
| **07 21 26** | | **Blown Insulation** *(07 21)* | | |
| 07 21 26 00-0001 | | Fiberglass Blown-In Insulation *(07 21 26)* | | |
| 07 21 26 00-0002 | | Attic, Fiberglass Blown-In Insulation *(07 21 26 00-0001)* | | |
| 07 21 26 00-0003 | SF | 4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation | 1.52 | 1.20 |
| 07 21 26 00-0004 | SF | 5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation | 1.70 | 1.32 |
| 07 21 26 00-0005 | SF | 6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation | 1.88 | 1.43 |
| 07 21 26 00-0006 | SF | 7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation | 2.10 | 1.55 |
| 07 21 26 00-0007 | SF | 8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation | 2.25 | 1.62 |
| 07 21 26 00-0008 | SF | 10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation | 2.43 | 1.67 |
| 07 21 26 00-0009 | SF | 11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation | 2.63 | 1.74 |
| 07 21 26 00-0010 | SF | 12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation | 2.76 | 1.80 |
| 07 21 26 00-0011 | SF | 13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation | 2.97 | 1.92 |
| 07 21 26 00-0012 | SF | 14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation | 3.12 | 1.97 |
| 07 21 26 00-0013 | SF | 16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation | 3.38 | 2.04 |
| 07 21 26 00-0014 | SF | 18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation | 3.67 | 2.16 |
| 07 21 26 00-0015 | SF | 21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation | 4.25 | 2.39 |
| 07 21 26 00-0016 | | New Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)* | | |
| 07 21 26 00-0017 | SF | 3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation | 2.30 | 1.20 |
| 07 21 26 00-0018 | SF | 5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation | 3.07 | 1.43 |
| 07 21 26 00-0019 | SF | 7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation | 3.65 | 1.55 |
| 07 21 26 00-0020 | SF | 9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation | 4.37 | 1.67 |
| 07 21 26 00-0021 | | Existing Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*<br>Note: Includes drilling. Excludes patching. | | |
| 07 21 26 00-0022 | SF | 3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation | 2.17 | 1.20 |
| 07 21 26 00-0023 | SF | 5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation | 2.94 | 1.43 |
| 07 21 26 00-0024 | SF | 7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation | 3.53 | 1.55 |
| 07 21 26 00-0025 | SF | 9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation | 4.24 | 1.67 |
| 07 21 26 00-0026 | | Cellulose Blown-In Insulation *(07 21 26)* | | |
| 07 21 26 00-0027 | | Attic, Cellulose Blown-In Insulation *(07 21 26 00-0026)* | | |
| 07 21 26 00-0028 | SF | 3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation | 1.64 | 1.20 |
| 07 21 26 00-0029 | SF | 5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation | 1.99 | 1.32 |
| 07 21 26 00-0030 | SF | 6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation | 2.22 | 1.43 |
| 07 21 26 00-0031 | SF | 7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation | 2.61 | 1.55 |
| 07 21 26 00-0032 | SF | 8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation | 2.67 | 1.55 |
| 07 21 26 00-0033 | SF | 10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation | 3.13 | 1.67 |
| 07 21 26 00-0034 | SF | 11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation | 3.22 | 1.67 |
| 07 21 26 00-0035 | SF | 12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation | 3.55 | 1.80 |
| 07 21 26 00-0036 | SF | 13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation | 3.79 | 1.80 |
| 07 21 26 00-0037 | SF | 15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation | 4.11 | 1.92 |
| 07 21 26 00-0038 | SF | 16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation | 4.35 | 1.92 |
| 07 21 26 00-0039 | | New Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)* | | |
| 07 21 26 00-0040 | SF | 3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation | 2.26 | 1.20 |
| 07 21 26 00-0041 | SF | 5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation | 3.03 | 1.43 |
| 07 21 26 00-0042 | SF | 7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation | 3.59 | 1.55 |
| 07 21 26 00-0043 | SF | 9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation | 4.28 | 1.67 |
| 07 21 26 00-0044 | | Existing Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)*<br>Note: Includes drilling. Excludes patching. | | |
| 07 21 26 00-0045 | SF | 3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation | 2.14 | 1.20 |
| 07 21 26 00-0046 | SF | 5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation | 2.90 | 1.43 |
| 07 21 26 00-0047 | SF | 7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation | 3.46 | 1.55 |
| 07 21 26 00-0048 | SF | 9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation | 4.15 | 1.67 |
| **07 21 29** | | **Sprayed Insulation** *(07 21)* | | |
| 07 21 29 00-0001 | | Fiber Sprayed On Insulation *(07 21 29)*<br>Note: Per each 1" of thickness. | | |
| 07 21 29 00-0002 | SF | 1" Thick, R2.7, Spray-on Perlite Insulation | 2.67 | 0.75 |
| 07 21 29 00-0003 | SF | 1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation | 1.95 | 0.75 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 21 29 00-0004 | | Cellulose Sprayed On Insulation *(07 21 29)* | | |
| 07 21 29 00-0005 | SF | 1" Thick, Spray-on Cellulose Insulation | 3.88 | 0.75 |
| **07 21 53** | | **Reflective Insulation** *(07 21)* | | |
| 07 21 53 00-0001 | | Reflective Barrier Insulation (Foil - Single Bubble - Foil) *(07 21 53)* | | |
| 07 21 53 00-0002 | SF | 3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space | 1.17 | |
| 07 21 53 00-0003 | | Reflective Radiant Foil Backed Paper *(07 21 53)* | | |
| 07 21 53 00-0004 | CSF | Reflective Radiant Foil Backed Kraft Paper With Tape | 71.88 | 23.29 |
| | | *For >15' To 20' Installed Height, Add* | *4.65* | |
| | | *For >20' To 25' Installed Height, Add* | *6.97* | |
| | | *For >25' To 30' Installed Height, Add* | *11.62* | |
| **07 22** | | **Roof and Deck Insulation** *(07 20)* | | |
| **07 22 16** | | **Roof Board Insulation** *(07 22)* | | |
| | | Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment. | | |
| 07 22 16 00-0001 | | Rigid Board Roofing Insulation *(07 22 16)* | | |
| | | Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board. | | |
| 07 22 16 00-0002 | | Cold Adhesive Applied Rigid Board Roofing Insulation *(07 22 16 00-0001)* | | |
| 07 22 16 00-0003 | | Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0002)* | | |
| 07 22 16 00-0004 | SF | 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied | 2.66 | |
| 07 22 16 00-0005 | SF | 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied | 3.10 | |
| 07 22 16 00-0006 | SF | 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied | 3.52 | |
| 07 22 16 00-0007 | SF | 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied | 4.31 | |
| 07 22 16 00-0008 | SF | 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied | 5.09 | |
| 07 22 16 00-0009 | | Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0002)* | | |
| 07 22 16 00-0010 | SF | 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied | 2.90 | |
| 07 22 16 00-0011 | SF | 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied | 3.39 | |
| 07 22 16 00-0012 | | Cold Adhesive Applied, Perlite, Roof Board Insulation *(07 22 16 00-0002)* | | |
| 07 22 16 00-0013 | SF | 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied | 2.58 | |
| 07 22 16 00-0014 | SF | 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied | 2.58 | |
| 07 22 16 00-0015 | SF | 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied | 2.84 | |
| 07 22 16 00-0016 | SF | 1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied | 3.14 | |
| 07 22 16 00-0017 | SF | 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied | 3.89 | |
| 07 22 16 00-0018 | SF | 2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied | 4.38 | |
| 07 22 16 00-0019 | | Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0002)* | | |
| 07 22 16 00-0020 | SF | 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied | 3.55 | |
| 07 22 16 00-0021 | SF | 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied | 4.75 | |
| 07 22 16 00-0022 | SF | 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied | 6.16 | |
| 07 22 16 00-0023 | | Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0002)* | | |
| 07 22 16 00-0024 | SF | 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied | 6.54 | |
| 07 22 16 00-0025 | SF | 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied | 7.70 | |
| 07 22 16 00-0026 | SF | 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied | 10.01 | |
| 07 22 16 00-0027 | SF | 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied | 13.12 | |
| 07 22 16 00-0028 | | Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)* | | |
| 07 22 16 00-0029 | SF | 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied | 2.24 | |
| | | *For Loose-Laid, Deduct* | *-1.23* | |
| 07 22 16 00-0030 | SF | 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied | 2.31 | |
| | | *For Loose-Laid, Deduct* | *-1.23* | |
| 07 22 16 00-0031 | SF | 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied | 2.60 | |
| | | *For Loose-Laid, Deduct* | *-1.23* | |
| 07 22 16 00-0032 | SF | 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied | 2.87 | |
| | | *For Loose-Laid, Deduct* | *-1.23* | |
| 07 22 16 00-0033 | SF | 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied | 4.00 | |
| | | *For Loose-Laid, Deduct* | *-1.25* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0034 | SF | 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied | 5.11 | |
| | | *For Loose-Laid, Deduct* | *-1.26* | |
| 07 22 16 00-0035 | SF | 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied | 6.24 | |
| | | *For Loose-Laid, Deduct* | *-1.27* | |
| 07 22 16 00-0036 | SF | 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied | 7.36 | |
| | | *For Loose-Laid, Deduct* | *-1.29* | |
| 07 22 16 00-0037 | SF | 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied | 8.48 | |
| | | *For Loose-Laid, Deduct* | *-1.30* | |

## 07 22 16 00-0038 Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*

Note: 15 PSI compressive strength.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0039 | SF | 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied | 3.30 | |
| | | *For Loose-Laid, Deduct* | *-1.32* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.33* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.79* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.26* | |
| | | *For 115 PSI Compressive Strength, Add* | *5.44* | |
| 07 22 16 00-0040 | SF | 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied | 3.44 | |
| | | *For Loose-Laid, Deduct* | *-1.32* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.35* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.84* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.34* | |
| | | *For 115 PSI Compressive Strength, Add* | *5.80* | |
| 07 22 16 00-0041 | SF | 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied | 4.37 | |
| | | *For Loose-Laid, Deduct* | *-1.32* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.50* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.19* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.88* | |
| | | *For 100 PSI Compressive Strength, Add* | *2.42* | |
| | | *For 115 PSI Compressive Strength, Add* | *8.19* | |
| 07 22 16 00-0042 | SF | 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied | 4.98 | |
| | | *For Loose-Laid, Deduct* | *-1.34* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.59* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.41* | |
| | | *For 60 PSI Compressive Strength, Add* | *2.22* | |
| | | *For 115 PSI Compressive Strength, Add* | *9.66* | |
| 07 22 16 00-0043 | SF | 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied | 6.02 | |
| | | *For Loose-Laid, Deduct* | *-1.34* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.76* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.81* | |
| | | *For 60 PSI Compressive Strength, Add* | *2.82* | |
| | | *For 100 PSI Compressive Strength, Add* | *3.63* | |
| | | *For 115 PSI Compressive Strength, Add* | *12.33* | |
| 07 22 16 00-0044 | SF | 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied | 6.51 | |
| | | *For Loose-Laid, Deduct* | *-1.35* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.83* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.98* | |
| | | *For 60 PSI Compressive Strength, Add* | *3.09* | |
| | | *For 115 PSI Compressive Strength, Add* | *13.52* | |
| 07 22 16 00-0045 | SF | 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied | 7.29 | |
| | | *For Loose-Laid, Deduct* | *-1.37* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.95* | |
| | | *For 40 PSI Compressive Strength, Add* | *2.26* | |
| | | *For 60 PSI Compressive Strength, Add* | *3.52* | |
| | | *For 115 PSI Compressive Strength, Add* | *15.45* | |

## 07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0002)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0047 | SF | 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied | 2.97 | |
| | | *For Loose-Laid, Deduct* | *-1.32* | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.17* | |
| 07 22 16 00-0048 | SF | 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied | 3.07 | |
| | | *For Loose-Laid, Deduct* | *-1.32* | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.18* | |
| 07 22 16 00-0049 | SF | 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied | 3.25 | |
| | | *For Loose-Laid, Deduct* | *-1.33* | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.20* | |
| 07 22 16 00-0050 | SF | 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied | 3.69 | |
| | | *For Loose-Laid, Deduct* | *-1.34* | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.24* | |
| 07 22 16 00-0051 | SF | 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied | 4.13 | |
| | | *For Loose-Laid, Deduct* | *-1.34* | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.29* | |
| 07 22 16 00-0052 | SF | 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied | 4.57 | |
| | | *For Loose-Laid, Deduct* | *-1.35* | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0053 | SF | 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied | 5.05 | |
| | | *For Loose-Laid, Deduct* | *-1.36* | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.37* | |
| 07 22 16 00-0054 | SF | 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied | 5.48 | |
| | | *For Loose-Laid, Deduct* | *-1.37* | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.42* | |

### 07 22 16 00-0055 Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0002)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0056 | SF | 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied | 3.44 | |

### 07 22 16 00-0057 Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0058 | SF | 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied | 3.27 | |
| 07 22 16 00-0059 | SF | 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied | 3.46 | |
| 07 22 16 00-0060 | SF | 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied | 3.59 | |
| 07 22 16 00-0061 | SF | 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied | 3.66 | |

### 07 22 16 00-0062 Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0063 | SF | 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied | 3.20 | |
| 07 22 16 00-0064 | SF | 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied | 3.49 | |
| 07 22 16 00-0065 | SF | 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied | 3.56 | |

### 07 22 16 00-0066 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0002)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0067 | SF | 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied | 5.45 | |
| 07 22 16 00-0068 | SF | 2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied | 5.72 | |
| 07 22 16 00-0069 | SF | 2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied | 6.09 | |
| 07 22 16 00-0070 | SF | 3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied | 6.32 | |
| 07 22 16 00-0071 | SF | 3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied | 6.85 | |
| 07 22 16 00-0072 | SF | 4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied | 7.08 | |
| 07 22 16 00-0073 | SF | 4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied | 7.45 | |

### 07 22 16 00-0074 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0002)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0075 | SF | 2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied | 5.50 | |
| 07 22 16 00-0076 | SF | 3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied | 5.98 | |
| 07 22 16 00-0077 | SF | 3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied | 6.55 | |
| 07 22 16 00-0078 | SF | 4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied | 6.91 | |
| 07 22 16 00-0079 | SF | 4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied | 7.38 | |
| 07 22 16 00-0080 | SF | 5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied | 7.89 | |
| 07 22 16 00-0081 | SF | 5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied | 8.81 | |

### 07 22 16 00-0082 Hot-Mopped Rigid Board Roofing Insulation *(07 22 16 00-0001)*

### 07 22 16 00-0083 Hot-Mopped, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0082)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0084 | SF | 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped | 2.38 | |
| 07 22 16 00-0085 | SF | 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped | 2.81 | |
| 07 22 16 00-0086 | SF | 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped | 3.25 | |
| 07 22 16 00-0087 | SF | 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped | 4.05 | |
| 07 22 16 00-0088 | SF | 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped | 4.85 | |

### 07 22 16 00-0089 Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0082)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0090 | SF | 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped | 2.62 | |
| 07 22 16 00-0091 | SF | 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped | 3.12 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 22 16 00-0092** | | **Hot-Mopped, Perlite, Roof Board Insulation** *(07 22 16 00-0082)* | | |
| 07 22 16 00-0093 | SF | 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped | 2.27 | |
| 07 22 16 00-0094 | SF | 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped | 2.52 | |
| 07 22 16 00-0095 | SF | 1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped | 2.84 | |
| 07 22 16 00-0096 | SF | 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped | 3.58 | |
| 07 22 16 00-0097 | SF | 2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped | 4.07 | |
| **07 22 16 00-0098** | | **Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation** *(07 22 16 00-0082)* | | |
| 07 22 16 00-0099 | SF | 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped | 3.25 | |
| 07 22 16 00-0100 | SF | 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped | 4.44 | |
| 07 22 16 00-0101 | SF | 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped | 5.87 | |
| **07 22 16 00-0102** | | **Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation** *(07 22 16 00-0082)* | | |
| 07 22 16 00-0103 | SF | 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped | 6.23 | |
| 07 22 16 00-0104 | SF | 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped | 7.39 | |
| 07 22 16 00-0105 | SF | 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped | 9.72 | |
| 07 22 16 00-0106 | SF | 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped | 12.83 | |
| **07 22 16 00-0107** | | **Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation** *(07 22 16 00-0082)* | | |
| 07 22 16 00-0108 | SF | 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped | 1.92 | |
| 07 22 16 00-0109 | SF | 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped | 1.99 | |
| 07 22 16 00-0110 | SF | 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped | 2.17 | |
| 07 22 16 00-0111 | SF | 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped | 2.54 | |
| 07 22 16 00-0112 | SF | 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped | 3.67 | |
| 07 22 16 00-0113 | SF | 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped | 4.80 | |
| 07 22 16 00-0114 | SF | 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped | 5.92 | |
| 07 22 16 00-0115 | SF | 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped | 7.05 | |
| 07 22 16 00-0116 | SF | 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped | 8.17 | |
| **07 22 16 00-0117** | | **Hot-Mopped, Extruded Polystyrene, Roof Board Insulation** *(07 22 16 00-0082)* | | |
| | | Note: 15 PSI compressive strength. | | |
| 07 22 16 00-0118 | SF | 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped | 2.98 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.26* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.62* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.02* | |
| | | *For 115 PSI Compressive Strength, Add* | *4.35* | |
| 07 22 16 00-0119 | SF | 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped | 3.14 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.28* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.68* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.10* | |
| | | *For 115 PSI Compressive Strength, Add* | *4.71* | |
| 07 22 16 00-0120 | SF | 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped | 4.07 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.43* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.03* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.64* | |
| | | *For 100 PSI Compressive Strength, Add* | *2.10* | |
| | | *For 115 PSI Compressive Strength, Add* | *7.10* | |
| 07 22 16 00-0121 | SF | 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped | 4.82 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.52* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.25* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.98* | |
| | | *For 115 PSI Compressive Strength, Add* | *8.58* | |
| 07 22 16 00-0122 | SF | 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped | 18.24 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.69* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.64* | |
| | | *For 60 PSI Compressive Strength, Add* | *3.20* | |
| | | *For 100 PSI Compressive Strength, Add* | *3.94* | |
| | | *For 115 PSI Compressive Strength, Add* | *12.49* | |
| 07 22 16 00-0123 | SF | 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped | 6.22 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.76* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.82* | |
| | | *For 60 PSI Compressive Strength, Add* | *2.84* | |
| | | *For 115 PSI Compressive Strength, Add* | *12.43* | |
| 07 22 16 00-0124 | SF | 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped | 7.00 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.88* | |
| | | *For 40 PSI Compressive Strength, Add* | *2.10* | |
| | | *For 60 PSI Compressive Strength, Add* | *3.28* | |
| | | *For 115 PSI Compressive Strength, Add* | *14.36* | |
| **07 22 16 00-0125** | | **Hot-Mopped, Polyisocyanurate Board Roofing Insulation** *(07 22 16 00-0082)* | | |
| 07 22 16 00-0126 | SF | 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped | 2.66 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0127 | SF | 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped | 2.77 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.14* | |
| 07 22 16 00-0128 | SF | 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped | 2.93 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.16* | |
| 07 22 16 00-0129 | SF | 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped | 3.38 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.20* | |
| 07 22 16 00-0130 | SF | 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped | 3.84 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.24* | |
| 07 22 16 00-0131 | SF | 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped | 4.28 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.28* | |
| 07 22 16 00-0132 | SF | 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped | 4.62 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.33* | |
| 07 22 16 00-0133 | SF | 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped | 5.19 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.37* | |

## 07 22 16 00-0134 Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0135 | SF | 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped | 2.99 | |
| 07 22 16 00-0136 | SF | 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped | 3.18 | |
| 07 22 16 00-0137 | SF | 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped | 3.31 | |
| 07 22 16 00-0138 | SF | 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped | 3.38 | |

## 07 22 16 00-0139 Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0140 | SF | 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped | 2.92 | |
| 07 22 16 00-0141 | SF | 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped | 3.21 | |
| 07 22 16 00-0142 | SF | 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped | 3.28 | |

## 07 22 16 00-0143 Mechanically Fastened Rigid Board Roofing Insulation *(07 22 16 00-0001)*

Note: Mechanically fastened to wood or steel.

## 07 22 16 00-0144 Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0145 | SF | 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened | 2.45 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.69* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.80* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0146 | SF | 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened | 2.89 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.72* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.83* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0147 | SF | 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened | 3.31 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.85* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0148 | SF | 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened | 4.19 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0149 | SF | 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened | 4.97 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |

### 07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0151 | SF | 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened | 2.69 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.85* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0152 | SF | 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened | 3.18 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.85* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |

### 07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0154 | SF | 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened | 2.37 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.63* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.74* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0155 | SF | 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened | 2.63 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.64* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.75* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0156 | SF | 1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened | 2.93 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.64* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.75* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0157 | SF | 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened | 3.78 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0158 | SF | 2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened | 4.26 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |

### 07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0160 | SF | 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened | 3.34 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.64* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.75* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0161 | SF | 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened | 4.63 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |
| 07 22 16 00-0162 | SF | 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened | 6.14 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.96* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.02* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.22* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |

## 07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0164 | SF | 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened | 6.42 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0165 | SF | 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened | 7.59 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |
| 07 22 16 00-0166 | SF | 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened | 9.99 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.96* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.02* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.22* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| 07 22 16 00-0167 | SF | 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened | 13.26 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.49* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *5.01* | |

## 07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0169 | SF | 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened | 2.03 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.58* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.69* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0170 | SF | 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened | 2.10 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.58* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.69* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0171 | SF | 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened | 2.39 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.58* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.69* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0172 | SF | 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened | 2.66 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.58* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.69* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0173 | SF | 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened | 3.88 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |
| 07 22 16 00-0174 | SF | 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened | 5.09 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.90* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.02* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.16* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| 07 22 16 00-0175 | SF | 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened | 6.37 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.13* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.70* | |
| 07 22 16 00-0176 | SF | 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened | 7.69 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.68* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |
| 07 22 16 00-0177 | SF | 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened | 9.35 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *5.71* | |

07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0179 | SF | 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened | 3.09 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.30* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.71* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.14* | |
| | | *For 115 PSI Compressive Strength, Add* | *4.90* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.64* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.75* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0180 | SF | 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened | 3.23 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.32* | |
| | | *For 40 PSI Compressive Strength, Add* | *0.76* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.22* | |
| | | *For 115 PSI Compressive Strength, Add* | *5.26* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.64* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.75* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0181 | SF | 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened | 4.25 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.48* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.15* | |
| | | *For 60 PSI Compressive Strength, Add* | *1.81* | |
| | | *For 100 PSI Compressive Strength, Add* | *2.33* | |
| | | *For 115 PSI Compressive Strength, Add* | *7.88* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0182 | SF | 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened | 4.86 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.57* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.36* | |
| | | *For 60 PSI Compressive Strength, Add* | *2.15* | |
| | | *For 115 PSI Compressive Strength, Add* | *9.35* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |
| 07 22 16 00-0183 | SF | 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened | 6.00 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.76* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.80* | |
| | | *For 60 PSI Compressive Strength, Add* | *2.81* | |
| | | *For 100 PSI Compressive Strength, Add* | *3.61* | |
| | | *For 115 PSI Compressive Strength, Add* | *12.28* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.95* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.21* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |
| 07 22 16 00-0184 | SF | 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened | 6.49 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.83* | |
| | | *For 40 PSI Compressive Strength, Add* | *1.97* | |
| | | *For 60 PSI Compressive Strength, Add* | *3.08* | |
| | | *For 115 PSI Compressive Strength, Add* | *13.47* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.96* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.02* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.22* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0185 | SF | 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened | 7.42 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.97* | |
| | | *For 40 PSI Compressive Strength, Add* | *2.31* | |
| | | *For 60 PSI Compressive Strength, Add* | *3.60* | |
| | | *For 115 PSI Compressive Strength, Add* | *15.78* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.13* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.70* | |

## 07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0187 | SF | 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened | 2.76 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.15* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.64* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.75* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0188 | SF | 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened | 2.86 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.16* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.64* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.75* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0189 | SF | 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened | 3.13 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.19* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0190 | SF | 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened | 3.57 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.23* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |
| 07 22 16 00-0191 | SF | 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened | 4.10 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.28* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.95* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.21* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |
| 07 22 16 00-0192 | SF | 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened | 4.55 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.33* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.96* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.02* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.22* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0193 | SF | 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened | 5.18 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.39* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.49* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *5.01* | |
| 07 22 16 00-0194 | SF | 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened | 5.61 | |
| | | *For Foil Facer, Add* | *0.36* | |
| | | *For 25 PSI Compressive Strength, Add* | *0.43* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.13* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.70* | |

### 07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0196 | SF | 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened | 3.23 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.69* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.80* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |

### 07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0198 | SF | 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened | 3.06 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.69* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.80* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0199 | SF | 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened | 3.25 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.69* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.80* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0200 | SF | 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened | 3.38 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.69* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.80* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0201 | SF | 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened | 3.45 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.69* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.80* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |

### 07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0203 | SF | 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened | 2.99 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.69* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.80* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0204 | SF | 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened | 3.28 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.69* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.80* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0205 | SF | 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened | 3.35 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.69* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.80* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |

## 07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0207 | SF | 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened | 5.34 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |
| 07 22 16 00-0208 | SF | 2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened | 5.61 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.19* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.79* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.17* | |
| 07 22 16 00-0209 | SF | 2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened | 6.07 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.15* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.41* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |
| 07 22 16 00-0210 | SF | 3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened | 6.29 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.16* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.02* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.42* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| 07 22 16 00-0211 | SF | 3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened | 6.99 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.70* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *5.22* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0212 | SF | 4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened | 7.21 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.13* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.70* | |
| 07 22 16 00-0213 | SF | 4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened | 7.77 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.99* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *5.63* | |

### 07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0215 | SF | 2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened | 5.48 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.14* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.40* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |
| 07 22 16 00-0216 | SF | 3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened | 5.95 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.14* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.02* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.40* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| 07 22 16 00-0217 | SF | 3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened | 6.68 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.68* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *5.20* | |
| 07 22 16 00-0218 | SF | 4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened | 7.04 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.13* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.70* | |
| 07 22 16 00-0219 | SF | 4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened | 7.71 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.93* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *5.57* | |
| 07 22 16 00-0220 | SF | 5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened | 8.21 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *5.58* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0221 | SF | 5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened | 9.43 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *4.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *6.02* | |

### 07 22 16 00-0222 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.

### 07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

### 07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

### 07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0226 | SF | 2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 5.32 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.35* | |
| 07 22 16 00-0227 | SF | 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 7.31 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.40* | |
| 07 22 16 00-0228 | SF | 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 7.93 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.46* | |
| 07 22 16 00-0229 | SF | 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 8.55 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.53* | |
| 07 22 16 00-0230 | SF | 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 9.16 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.59* | |
| 07 22 16 00-0231 | SF | 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 11.16 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.64* | |
| 07 22 16 00-0232 | SF | 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 11.78 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.70* | |
| 07 22 16 00-0233 | SF | 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 12.40 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.77* | |
| 07 22 16 00-0234 | SF | 6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 13.02 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.83* | |
| 07 22 16 00-0235 | SF | 6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 14.99 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.88* | |

### 07 22 16 00-0236 Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0237 | SF | 2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 5.01 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.32* | |
| 07 22 16 00-0238 | SF | 3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 7.62 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.43* | |
| 07 22 16 00-0239 | SF | 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 8.86 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.56* | |
| 07 22 16 00-0240 | SF | 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 11.47 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.67* | |
| 07 22 16 00-0241 | SF | 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 12.71 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.80* | |
| 07 22 16 00-0242 | SF | 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 15.30 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.91* | |

### 07 22 16 00-0243 Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0244 | SF | 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 8.24 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.50* | |
| 07 22 16 00-0245 | SF | 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 12.09 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.73* | |

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| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0246 | SF | 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 15.92 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.97* | |
| 07 22 16 00-0247 | SF | 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied | 19.77 | |
| | | *For 25 PSI Compressive Strength, Add* | *1.21* | |

### 07 22 16 00-0248 Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

### 07 22 16 00-0249 Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0250 | SF | 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 4.63 | |
| 07 22 16 00-0251 | SF | 2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 6.65 | |
| 07 22 16 00-0252 | SF | 3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 7.11 | |
| 07 22 16 00-0253 | SF | 3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 7.58 | |
| 07 22 16 00-0254 | SF | 4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 8.04 | |
| 07 22 16 00-0255 | SF | 4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 10.07 | |
| 07 22 16 00-0256 | SF | 5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 10.53 | |
| 07 22 16 00-0257 | SF | 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 11.00 | |
| 07 22 16 00-0258 | SF | 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 11.46 | |
| 07 22 16 00-0259 | SF | 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 13.47 | |

### 07 22 16 00-0260 Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0261 | SF | 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 4.39 | |
| 07 22 16 00-0262 | SF | 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 6.88 | |
| 07 22 16 00-0263 | SF | 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 7.81 | |
| 07 22 16 00-0264 | SF | 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 10.30 | |
| 07 22 16 00-0265 | SF | 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 11.23 | |
| 07 22 16 00-0266 | SF | 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 13.71 | |

### 07 22 16 00-0267 Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0268 | SF | 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 7.35 | |
| 07 22 16 00-0269 | SF | 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 10.77 | |
| 07 22 16 00-0270 | SF | 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 14.17 | |
| 07 22 16 00-0271 | SF | 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied | 18.06 | |

### 07 22 16 00-0272 Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

### 07 22 16 00-0273 Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0274 | SF | 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 5.18 | |
| 07 22 16 00-0275 | SF | 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 7.17 | |
| 07 22 16 00-0276 | SF | 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 7.76 | |
| 07 22 16 00-0277 | SF | 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 8.35 | |
| 07 22 16 00-0278 | SF | 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 8.94 | |
| 07 22 16 00-0279 | SF | 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 10.94 | |
| 07 22 16 00-0280 | SF | 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 11.53 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0281 | SF | 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 12.12 | |
| 07 22 16 00-0282 | SF | 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 12.71 | |
| 07 22 16 00-0283 | SF | 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 14.69 | |
| 07 22 16 00-0284 | | Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)* | | |
| 07 22 16 00-0285 | SF | 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 4.89 | |
| 07 22 16 00-0286 | SF | 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 7.47 | |
| 07 22 16 00-0287 | SF | 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 8.65 | |
| 07 22 16 00-0288 | SF | 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 11.24 | |
| 07 22 16 00-0289 | SF | 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 12.41 | |
| 07 22 16 00-0290 | SF | 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 14.98 | |
| 07 22 16 00-0291 | | Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)* | | |
| 07 22 16 00-0292 | SF | 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 8.06 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.28* | |
| 07 22 16 00-0293 | SF | 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 11.82 | |
| 07 22 16 00-0294 | SF | 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 15.57 | |
| 07 22 16 00-0295 | SF | 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied | 19.34 | |
| 07 22 16 00-0296 | | Cold Adhesive Applied, Tapered Perlite Board *(07 22 16 00-0223)* | | |
| | | Note: Includes polyurethane adhesive. | | |
| 07 22 16 00-0297 | | Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0296)* | | |
| 07 22 16 00-0298 | SF | 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied | 7.59 | |
| 07 22 16 00-0299 | SF | 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied | 8.98 | |
| 07 22 16 00-0300 | SF | 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied | 10.25 | |
| 07 22 16 00-0301 | SF | 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied | 10.84 | |
| 07 22 16 00-0302 | SF | 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied | 12.11 | |
| 07 22 16 00-0303 | SF | 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied | 13.49 | |
| 07 22 16 00-0304 | SF | 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied | 14.77 | |
| 07 22 16 00-0305 | SF | 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied | 15.35 | |
| 07 22 16 00-0306 | SF | 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied | 16.63 | |
| 07 22 16 00-0307 | SF | 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied | 18.01 | |
| 07 22 16 00-0308 | | Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0296)* | | |
| 07 22 16 00-0309 | SF | 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied | 6.95 | |
| 07 22 16 00-0310 | SF | 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied | 9.61 | |
| 07 22 16 00-0311 | SF | 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied | 11.47 | |
| 07 22 16 00-0312 | SF | 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied | 14.13 | |
| 07 22 16 00-0313 | SF | 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied | 15.99 | |
| 07 22 16 00-0314 | SF | 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied | 18.65 | |
| 07 22 16 00-0315 | | Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0296)* | | |
| 07 22 16 00-0316 | SF | 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied | 10.89 | |
| 07 22 16 00-0317 | SF | 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied | 15.40 | |
| 07 22 16 00-0318 | SF | 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied | 19.92 | |
| 07 22 16 00-0319 | SF | 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied | 24.44 | |
| 07 22 16 00-0320 | | Hot-Mopped Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)* | | |
| 07 22 16 00-0321 | | Hot-Mopped, Tapered Polyisocyanurate Board *(07 22 16 00-0320)* | | |
| 07 22 16 00-0322 | | Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)* | | |
| 07 22 16 00-0323 | SF | 2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 4.89 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.31* | |
| 07 22 16 00-0324 | SF | 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 6.83 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.32* | |
| 07 22 16 00-0325 | SF | 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 7.45 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.38* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0326 | SF | 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 7.73 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.44* | |
| 07 22 16 00-0327 | SF | 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 8.68 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.51* | |
| 07 22 16 00-0328 | SF | 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 10.45 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.52* | |
| 07 22 16 00-0329 | SF | 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 11.07 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.58* | |
| 07 22 16 00-0330 | SF | 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 11.69 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.65* | |
| 07 22 16 00-0331 | SF | 6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 12.31 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.71* | |
| 07 22 16 00-0332 | SF | 6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 14.05 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.72* | |

### 07 22 16 00-0333 Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0334 | SF | 2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 4.77 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.28* | |
| 07 22 16 00-0335 | SF | 3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 7.14 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.35* | |
| 07 22 16 00-0336 | SF | 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 8.37 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.48* | |
| 07 22 16 00-0337 | SF | 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 10.76 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.55* | |
| 07 22 16 00-0338 | SF | 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 12.00 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.68* | |
| 07 22 16 00-0339 | SF | 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 14.36 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.75* | |

### 07 22 16 00-0340 Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0341 | SF | 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 7.76 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.41* | |
| 07 22 16 00-0342 | SF | 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 11.38 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.62* | |
| 07 22 16 00-0343 | SF | 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 14.98 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.81* | |
| 07 22 16 00-0344 | SF | 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped | 18.59 | |
| | | *For 25 PSI Compressive Strength, Add* | *1.02* | |

### 07 22 16 00-0345 Hot-Mopped, Tapered Perlite Board *(07 22 16 00-0320)*

### 07 22 16 00-0346 Hot-Mopped, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

| | | | |
|---|---|---|---|
| 07 22 16 00-0347 | SF | 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped | 6.68 |
| 07 22 16 00-0348 | SF | 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped | 8.49 |
| 07 22 16 00-0349 | SF | 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped | 9.77 |
| 07 22 16 00-0350 | SF | 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped | 9.69 |
| 07 22 16 00-0351 | SF | 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped | 10.96 |
| 07 22 16 00-0352 | SF | 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped | 12.78 |
| 07 22 16 00-0353 | SF | 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped | 14.06 |
| 07 22 16 00-0354 | SF | 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped | 13.98 |
| 07 22 16 00-0355 | SF | 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped | 15.25 |
| 07 22 16 00-0356 | SF | 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped | 17.07 |

### 07 22 16 00-0357 Hot-Mopped, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

| | | | |
|---|---|---|---|
| 07 22 16 00-0358 | SF | 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped | 6.04 |
| 07 22 16 00-0359 | SF | 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped | 9.13 |
| 07 22 16 00-0360 | SF | 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped | 10.33 |
| 07 22 16 00-0361 | SF | 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped | 13.42 |
| 07 22 16 00-0362 | SF | 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped | 14.61 |
| 07 22 16 00-0363 | SF | 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped | 17.70 |

### 07 22 16 00-0364 Hot-Mopped, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

| | | | |
|---|---|---|---|
| 07 22 16 00-0365 | SF | 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped | 10.41 |
| 07 22 16 00-0366 | SF | 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped | 14.69 |
| 07 22 16 00-0367 | SF | 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped | 80.48 |
| 07 22 16 00-0368 | SF | 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped | 23.25 |

### 07 22 16 00-0369 Mechanically Fastened Tapered Roofing Insulation *(07 22 16 00-0222)*

Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.

### 07 22 16 00-0370 Mechanically Fastened, Tapered Polyisocyanurate Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

### 07 22 16 00-0371 Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0372 | SF | 2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 5.20 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.34* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.16* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0373 | SF | 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 6.62 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.33* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |
| 07 22 16 00-0374 | SF | 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 7.24 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.40* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| 07 22 16 00-0375 | SF | 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 8.01 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.47* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.06* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.58* | |
| 07 22 16 00-0376 | SF | 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 8.63 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.53* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.13* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.70* | |
| 07 22 16 00-0377 | SF | 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 10.15 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.54* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0378 | SF | 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 10.77 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.60* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0379 | SF | 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 11.68 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.69* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |
| 07 22 16 00-0380 | SF | 6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 12.30 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.76* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |
| 07 22 16 00-0381 | SF | 6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 13.90 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.32* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.13* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.61* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *3.20* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *5.41* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |

## 07 22 16 00-0382 Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0383 | SF | 2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 4.90 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.31* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.16* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0384 | SF | 3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 6.92 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.36* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |
| 07 22 16 00-0385 | SF | 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 8.32 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.50* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.06* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.58* | |
| 07 22 16 00-0386 | SF | 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 10.46 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.57* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0387 | SF | 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 11.99 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.72* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |
| 07 22 16 00-0388 | SF | 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 14.21 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.80* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.32* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.13* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.61* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *3.20* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *5.41* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |
| 07 22 16 00-0389 | | Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)* | | |
| 07 22 16 00-0390 | SF | 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 7.55 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.43* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| 07 22 16 00-0391 | SF | 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 10.69 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.59* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0392 | SF | 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 14.83 | |
| | | *For 25 PSI Compressive Strength, Add* | *0.86* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.32* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.13* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.61* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *3.20* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *5.41* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |
| 07 22 16 00-0393 | SF | 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened | 18.82 | |
| | | *For 25 PSI Compressive Strength, Add* | *1.12* | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.81* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *4.24* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *4.49* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *6.37* | |
| 07 22 16 00-0394 | | Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0369)* | | |
| | | Note: Mechanically fastened to wood or steel. | | |
| 07 22 16 00-0395 | | Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)* | | |
| 07 22 16 00-0396 | SF | 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 4.51 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.16* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0397 | SF | 2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 5.96 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |
| 07 22 16 00-0398 | SF | 3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 6.42 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| 07 22 16 00-0399 | SF | 3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 7.04 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.06* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.58* | |
| 07 22 16 00-0400 | SF | 4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 7.51 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.13* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.70* | |
| 07 22 16 00-0401 | SF | 4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 9.06 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0402 | SF | 5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 9.52 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0403 | SF | 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 10.28 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |
| 07 22 16 00-0404 | SF | 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 10.75 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0405 | SF | 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 12.38 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.32* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.13* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.61* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *3.20* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *5.41* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |

## 07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0407 | SF | 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 4.28 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.16* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0408 | SF | 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 6.19 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |
| 07 22 16 00-0409 | SF | 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 7.27 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.06* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.58* | |
| 07 22 16 00-0410 | SF | 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 9.29 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0411 | SF | 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 10.51 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |
| 07 22 16 00-0412 | SF | 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 12.61 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.32* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.13* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.61* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *3.20* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *5.41* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |

## 07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0414 | SF | 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 6.65 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| 07 22 16 00-0415 | SF | 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 9.75 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0416 | SF | 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 13.08 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.32* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.13* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.61* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *3.20* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *5.41* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |
| 07 22 16 00-0417 | SF | 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened | 17.11 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.81* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *4.24* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *4.49* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *6.37* | |

## 07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

## 07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0420 | SF | 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 5.07 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.16* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0421 | SF | 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 6.48 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |
| 07 22 16 00-0422 | SF | 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 8.46 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| 07 22 16 00-0423 | SF | 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 7.82 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.06* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.58* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0424 | SF | 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 8.41 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.13* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.70* | |
| 07 22 16 00-0425 | SF | 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 9.93 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0426 | SF | 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 10.52 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0427 | SF | 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 11.40 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |
| 07 22 16 00-0428 | SF | 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 11.99 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |
| 07 22 16 00-0429 | SF | 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 13.59 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.32* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.13* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.61* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *3.20* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *5.41* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |

### 07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0431 | SF | 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 4.77 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.16* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0432 | SF | 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 6.78 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0433 | SF | 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 8.11 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.06* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.58* | |
| 07 22 16 00-0434 | SF | 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 10.22 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0435 | SF | 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 11.70 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |
| 07 22 16 00-0436 | SF | 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 13.89 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.32* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.13* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.61* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *3.20* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *5.41* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |

## 07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0438 | SF | 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 7.37 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| 07 22 16 00-0439 | SF | 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 10.81 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0440 | SF | 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 14.48 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.32* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.13* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.61* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *3.20* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *5.41* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |
| 07 22 16 00-0441 | SF | 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened | 18.13 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.81* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *4.24* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *4.49* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *6.37* | |

## 07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0444 | SF | 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened | 6.80 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.16* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0445 | SF | 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened | 8.28 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |
| 07 22 16 00-0446 | SF | 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened | 9.56 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |
| 07 22 16 00-0447 | SF | 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened | 9.64 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.06* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.58* | |
| 07 22 16 00-0448 | SF | 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened | 10.91 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.13* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.70* | |
| 07 22 16 00-0449 | SF | 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened | 12.48 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0450 | SF | 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened | 13.76 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0451 | SF | 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened | 13.97 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |
| 07 22 16 00-0452 | SF | 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened | 15.25 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0453 | SF | 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened | 16.91 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.32* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.13* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.61* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *3.20* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *5.41* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |
| 07 22 16 00-0454 | | Mechanically Fastened, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0442)* | | |
| 07 22 16 00-0455 | SF | 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened | 6.16 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.16* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.95* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.39* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.41* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.57* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 22 16 00-0456 | SF | 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened | 8.92 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.22* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.92* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.36* | |
| 07 22 16 00-0457 | SF | 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened | 10.27 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.89* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.27* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.74* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.06* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.91* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.10* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.58* | |
| 07 22 16 00-0458 | SF | 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened | 13.12 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0459 | SF | 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened | 14.61 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.21* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.84* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.32* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.55* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.77* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.32* | |
| 07 22 16 00-0460 | SF | 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened | 17.55 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.32* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.13* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.61* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *3.20* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *5.41* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |
| 07 22 16 00-0461 | | Mechanically Fastened, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0442)* | | |
| 07 22 16 00-0462 | SF | 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened | 10.20 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.84* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.28* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.08* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.53* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *2.97* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.62* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *3.79* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 22 16 00-0463 | SF | 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened | 14.39 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.94* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.25* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *1.52* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.29* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *2.27* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.46* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *4.93* | |
| 07 22 16 00-0464 | SF | 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened | 18.83 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.99* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add* | *2.32* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.13* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.61* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *3.20* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *5.41* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |
| 07 22 16 00-0465 | SF | 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened | 23.48 | |
| | | *For Mechanically Fastened To Concrete, Add* | *1.81* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *2.98* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *4.24* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add* | *3.94* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *4.49* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *6.37* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add* | *5.90* | |

### 07 22 16 00-0466 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

| | | | | |
|---|---|---|---|---|
| 07 22 16 00-0467 | SF | Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation | | 0.68 |
| 07 22 16 00-0468 | SF | Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation | | 0.70 |
| 07 22 16 00-0469 | SF | Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation | | 0.71 |
| 07 22 16 00-0470 | SF | Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation | | 0.74 |
| 07 22 16 00-0471 | SF | Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation | | 0.76 |
| 07 22 16 00-0472 | SF | Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation | | 0.78 |
| 07 22 16 00-0473 | SF | Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation | | 0.79 |
| 07 22 16 00-0474 | SF | Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation | | 0.81 |
| 07 22 16 00-0475 | SF | Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation | | 0.83 |
| 07 22 16 00-0476 | SF | Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation | | 0.85 |
| 07 22 16 00-0477 | SF | Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation | | 0.87 |
| 07 22 16 00-0478 | SF | Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation | | 0.89 |
| 07 22 16 00-0479 | SF | Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation | | 0.91 |

## 07 24 Exterior Insulation and Finish Systems *(07 20)*

### 07 24 13 Polymer-Based Exterior Insulation and Finish System *(07 24)*

### 07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

### 07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 24 13 00-0003 | SF | 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied | | 4.14 |
| | | *For Up To 100, Add* | *0.82* | |
| | | *For >100 To 500, Add* | *0.41* | |
| | | *For >5,000, Deduct* | *-0.16* | |
| | | *For Adhesive And Mechanically Fastened To Wood Or Steel, Add* | *1.65* | |
| | | *For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add* | *2.45* | |
| 07 24 13 00-0004 | SF | 1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied | | 4.72 |
| | | *For Up To 100, Add* | *0.83* | |
| | | *For >100 To 500, Add* | *0.42* | |
| | | *For >5,000, Deduct* | *-0.17* | |
| | | *For Adhesive And Mechanically Fastened To Wood Or Steel, Add* | *1.68* | |
| | | *For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add* | *2.47* | |
| 07 24 13 00-0005 | SF | 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied | | 5.29 |
| | | *For Up To 100, Add* | *0.84* | |
| | | *For >100 To 500, Add* | *0.42* | |
| | | *For >5,000, Deduct* | *-0.17* | |
| | | *For Adhesive And Mechanically Fastened To Wood Or Steel, Add* | *1.85* | |
| | | *For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add* | *2.62* | |
| 07 24 13 00-0006 | SF | 2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied | | 5.86 |
| | | *For Up To 100, Add* | *0.85* | |
| | | *For >100 To 500, Add* | *0.43* | |
| | | *For >5,000, Deduct* | *-0.17* | |
| | | *For Adhesive And Mechanically Fastened To Wood Or Steel, Add* | *1.94* | |
| | | *For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add* | *2.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 24 13 00-0007 | SF | 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied | 6.42 | |
| | | *For Up To 100, Add* | *0.86* | |
| | | *For >100 To 500, Add* | *0.43* | |
| | | *For >5,000, Deduct* | *-0.17* | |
| | | *For Adhesive And Mechanically Fastened To Wood Or Steel, Add* | *1.94* | |
| | | *For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add* | *2.75* | |
| 07 24 13 00-0008 | SF | 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied | 7.54 | |
| | | *For Up To 100, Add* | *0.87* | |
| | | *For >100 To 500, Add* | *0.44* | |
| | | *For >5,000, Deduct* | *-0.17* | |
| | | *For Adhesive And Mechanically Fastened To Wood Or Steel, Add* | *2.17* | |
| | | *For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add* | *2.93* | |

## 07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

| | | | | |
|---|---|---|---|---|
| 07 24 13 00-0010 | SF | 4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat | 5.34 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |
| 07 24 13 00-0011 | SF | 6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat | 5.95 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |
| 07 24 13 00-0012 | SF | 15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat | 7.59 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |
| 07 24 13 00-0013 | SF | 20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat | 8.09 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |

## 07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 24 13 00-0015 | SF | Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM) | 2.60 | |
| | | *For Up To 100, Add* | *0.82* | |
| | | *For >100 To 500, Add* | *0.41* | |
| | | *For >5,000, Deduct* | *-0.16* | |
| 07 24 13 00-0016 | SF | Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®) | 3.05 | |
| | | *For Up To 100, Add* | *0.82* | |
| | | *For >100 To 500, Add* | *0.41* | |
| | | *For >5,000, Deduct* | *-0.16* | |
| 07 24 13 00-0017 | SF | Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®) | 5.49 | |
| | | *For Up To 100, Add* | *0.82* | |
| | | *For >100 To 500, Add* | *0.41* | |
| | | *For >5,000, Deduct* | *-0.16* | |
| 07 24 13 00-0018 | SF | Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®) | 7.43 | |
| | | *For Up To 100, Add* | *0.82* | |
| | | *For >100 To 500, Add* | *0.41* | |
| | | *For >5,000, Deduct* | *-0.16* | |

## 07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes all standard manufacturers' colors.

| | | | | |
|---|---|---|---|---|
| 07 24 13 00-0020 | SF | 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish) | 4.36 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |
| 07 24 13 00-0021 | SF | 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish) | 4.46 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |
| 07 24 13 00-0022 | SF | Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish) | 5.17 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 24 13 00-0023 | SF | Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish) | 5.81 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |
| 07 24 13 00-0024 | SF | Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish) | 5.18 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |
| 07 24 13 00-0025 | SF | Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish) | 5.81 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |
| 07 24 13 00-0026 | SF | Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth) | 4.56 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |
| 07 24 13 00-0027 | SF | Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®) | 5.22 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |
| 07 24 13 00-0028 | SF | 100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™) | 10.88 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 500, Add* | *0.82* | |
| | | *For >5,000, Deduct* | *-0.33* | |
| 07 24 13 00-0029 | | **Primer And Sealers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)* | | |
| 07 24 13 00-0030 | SF | 100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®) | 1.32 | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 500, Add* | *0.23* | |
| | | *For >5,000, Deduct* | *-0.09* | |
| 07 24 13 00-0031 | SF | 100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™) | 1.35 | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 500, Add* | *0.23* | |
| | | *For >5,000, Deduct* | *-0.09* | |
| 07 24 13 00-0032 | | **Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)* | | |
| 07 24 13 00-0033 | SF | Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat | 1.85 | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 500, Add* | *0.23* | |
| | | *For >5,000, Deduct* | *-0.09* | |
| 07 24 13 00-0034 | SF | Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat | 2.31 | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 500, Add* | *0.23* | |
| | | *For >5,000, Deduct* | *-0.09* | |
| 07 24 13 00-0035 | | **Drainage Accessories For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)* | | |
| 07 24 13 00-0036 | SF | 1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat) | 2.87 | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 500, Add* | *0.26* | |
| | | *For >5,000, Deduct* | *-0.10* | |
| 07 24 13 00-0037 | | **Starter Tracks For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)* | | |
| 07 24 13 00-0038 | LF | 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP) | 4.24 | |
| 07 24 13 00-0039 | LF | 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP) | 4.58 | |
| 07 24 13 00-0040 | LF | 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP) | 4.98 | |
| 07 24 13 00-0041 | LF | 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP) | 5.81 | |
| 07 24 13 00-0042 | LF | 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE) | 4.58 | |
| 07 24 13 00-0043 | LF | 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE) | 4.98 | |
| 07 24 13 00-0044 | LF | 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE) | 5.37 | |
| 07 24 13 00-0045 | LF | 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE) | 6.29 | |
| 07 24 13 00-0046 | | **Demolish Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 24 13 00-0047 | SF | Demolish Exterior Insulation Finishing Systems (EIFS) | 6.85 | |
| | | Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing. | | |
| | | *For Up To 100, Add* | *3.43* | |
| | | *For >100 To 500, Add* | *1.71* | |
| | | *For >5,000, Deduct* | *-0.69* | |

# 07 25 Weather Barriers *(07)*

## 07 26 Vapor Retarders *(07 25)*

### 07 26 13 Above-Grade Vapor Retarders *(07 26)*

| | | | |
|---|---|---|---|
| 07 26 13 00-0001 | CSF | Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B) | 30.83 |
| 07 26 13 00-0002 | CSF | Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex) | 28.50 |
| 07 26 13 00-0003 | CSF | 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute) | 35.97 |
| 07 26 13 00-0004 | CSF | Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute) | 46.94 |
| 07 26 13 00-0005 | CSF | Regular Weight Red Rosin Sized Sheathing | 26.10 |
| 07 26 13 00-0006 | CLF | 6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper) | 87.57 |
| 07 26 13 00-0007 | CLF | 4" Wide Self-Adhering Butyl Sealing Tape | 135.00 |
| 07 26 13 00-0008 | CLF | 6" Wide Self Adhesive Butyl Sealing Tape | 195.97 |
| 07 26 13 00-0009 | CLF | 9" Wide Self Adhesive Butyl Sealing Tape | 273.54 |
| 07 26 13 00-0010 | CSF | Building Wrap (Tyvek) | 76.61 |

## 07 27 Air Barriers *(07 25)*

### 07 27 23 Board Product Air Barriers *(07 27)*

#### 07 27 23 00-0001 Barriers For Plenums *(07 27 23)*

| | | | | |
|---|---|---|---|---|
| 07 27 23 00-0002 | SF | 0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 Lb./SF | 13.06 | 3.31 |
| | | *For Up To 50, Add* | *4.56* | |
| | | *For >50 To 200, Add* | *2.60* | |
| | | *For >200 To 500, Add* | *0.98* | |
| | | *For >2,500, Deduct* | *-0.65* | |
| 07 27 23 00-0003 | SF | 0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 Lb./SF | 14.11 | 3.31 |
| | | *For Up To 50, Add* | *4.96* | |
| | | *For >50 To 200, Add* | *2.84* | |
| | | *For >200 To 500, Add* | *1.06* | |
| | | *For >2,500, Deduct* | *-0.71* | |
| 07 27 23 00-0004 | SF | Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick | 4.94 | 2.20 |
| | | *For Up To 50, Add* | *2.35* | |
| | | *For >50 To 200, Add* | *1.30* | |
| | | *For >200 To 500, Add* | *0.45* | |
| | | *For >2,500, Deduct* | *-0.25* | |
| 07 27 23 00-0005 | SF | Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick | 9.06 | 3.31 |
| | | *For Up To 50, Add* | *4.21* | |
| | | *For >50 To 200, Add* | *2.33* | |
| | | *For >200 To 500, Add* | *0.81* | |
| | | *For >2,500, Deduct* | *-0.45* | |
| 07 27 23 00-0006 | SF | Aluminum Mesh Barrier For Plenum Kraft Paper Backed | 6.26 | 2.20 |
| | | *For Up To 50, Add* | *2.55* | |
| | | *For >50 To 200, Add* | *1.43* | |
| | | *For >200 To 500, Add* | *0.51* | |
| | | *For >2,500, Deduct* | *-0.31* | |
| 07 27 23 00-0007 | SF | 1/64" Thick Sheet Lead Barrier For Plenum 1 Lb./SF | 10.18 | 2.20 |
| | | *For Up To 50, Add* | *3.00* | |
| | | *For >50 To 200, Add* | *1.75* | |
| | | *For >200 To 500, Add* | *0.69* | |
| | | *For >2,500, Deduct* | *-0.51* | |

#### 07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets *(07 27 23)*

| | | | |
|---|---|---|---|
| 07 27 23 00-0009 | SF | 1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation | 2.15 |
| 07 27 23 00-0010 | SF | 2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation | 3.31 |
| 07 27 23 00-0011 | SF | 3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation | 4.37 |
| 07 27 23 00-0012 | SF | 4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation | 5.40 |

# 07 30 Steep Slope Roofing *(07)*

Note: Includes starter strips and manufacturer's product specific warranties.

## 07 31 Shingles and Shakes *(07 30)*

### 07 31 13 Asphalt Shingles *(07 31)*

#### 07 31 13 13 Fiberglass-Reinforced Asphalt Shingles *(07 31 13)*

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 31 13 13-0002 | SQ | 200 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20) | 324.84 | 223.28 |
| | | *For >35 To 75, Deduct* | *-12.18* | |
| | | *For >75 To 100, Deduct* | *-19.69* | |
| | | *For >100 To 200, Deduct* | *-29.64* | |
| | | *For >200, Deduct* | *-44.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *64.98* | |
| 07 31 13 13-0003 | SQ | 220 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25) | 340.69 | 234.49 |
| | | *For >35 To 75, Deduct* | *-12.75* | |
| | | *For >75 To 100, Deduct* | *-20.63* | |
| | | *For >100 To 200, Deduct* | *-31.06* | |
| | | *For >200, Deduct* | *-46.82* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *68.21* | |
| 07 31 13 13-0004 | SQ | 230 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30) | 391.90 | 246.18 |
| | | *For >35 To 75, Deduct* | *-16.80* | |
| | | *For >75 To 100, Deduct* | *-25.76* | |
| | | *For >100 To 200, Deduct* | *-38.08* | |
| | | *For >200, Deduct* | *-55.99* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *71.64* | |

## 07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

| | | | | |
|---|---|---|---|---|
| 07 31 13 13-0006 | SQ | 245 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark) | 405.74 | 285.04 |
| | | *For >35 To 75, Deduct* | *-14.67* | |
| | | *For >75 To 100, Deduct* | *-24.08* | |
| | | *For >100 To 200, Deduct* | *-36.42* | |
| | | *For >200, Deduct* | *-55.24* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *82.91* | |
| 07 31 13 13-0007 | SQ | 240 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate) | 426.66 | 271.39 |
| | | *For >35 To 75, Deduct* | *-17.99* | |
| | | *For >75 To 100, Deduct* | *-27.75* | |
| | | *For >100 To 200, Deduct* | *-41.12* | |
| | | *For >200, Deduct* | *-60.65* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *78.97* | |
| 07 31 13 13-0008 | SQ | 265 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus) | 462.69 | 299.29 |
| | | *For >35 To 75, Deduct* | *-19.06* | |
| | | *For >75 To 100, Deduct* | *-29.67* | |
| | | *For >100 To 200, Deduct* | *-44.10* | |
| | | *For >200, Deduct* | *-65.33* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *87.08* | |
| 07 31 13 13-0009 | SQ | 235 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras) | 443.90 | 258.48 |
| | | *For >35 To 75, Deduct* | *-20.89* | |
| | | *For >75 To 100, Deduct* | *-30.95* | |
| | | *For >100 To 200, Deduct* | *-45.18* | |
| | | *For >200, Deduct* | *-65.28* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *75.19* | |
| 07 31 13 13-0010 | SQ | 300 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium) | 500.96 | 314.27 |
| | | *For >35 To 75, Deduct* | *-21.53* | |
| | | *For >75 To 100, Deduct* | *-32.98* | |
| | | *For >100 To 200, Deduct* | *-48.73* | |
| | | *For >200, Deduct* | *-71.63* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *91.40* | |
| 07 31 13 13-0011 | SQ | 300 Lb./SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence) | 532.52 | 314.27 |
| | | *For >35 To 75, Deduct* | *-24.69* | |
| | | *For >75 To 100, Deduct* | *-36.77* | |
| | | *For >100 To 200, Deduct* | *-53.78* | |
| | | *For >200, Deduct* | *-77.94* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *91.40* | |
| 07 31 13 13-0012 | SQ | 355 Lb./SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake) | 581.88 | 346.43 |
| | | *For >35 To 75, Deduct* | *-26.69* | |
| | | *For >75 To 100, Deduct* | *-39.90* | |
| | | *For >100 To 200, Deduct* | *-58.45* | |
| | | *For >200, Deduct* | *-84.88* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *100.80* | |
| 07 31 13 13-0013 | SQ | 340 Lb./SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL) | 575.76 | 329.98 |
| | | *For >35 To 75, Deduct* | *-27.59* | |
| | | *For >75 To 100, Deduct* | *-40.60* | |
| | | *For >100 To 200, Deduct* | *-59.13* | |
| | | *For >200, Deduct* | *-85.16* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *95.97* | |
| 07 31 13 13-0014 | SQ | 300 Lb./SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris) | 571.33 | 314.27 |
| | | *For >35 To 75, Deduct* | *-28.57* | |
| | | *For >75 To 100, Deduct* | *-41.42* | |
| | | *For >100 To 200, Deduct* | *-59.99* | |
| | | *For >200, Deduct* | *-85.70* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *91.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 31 13 13-0015 | SQ | 355 Lb./SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate) | 666.84 | 346.43 |
| | | *For >35 To 75, Deduct* | *-35.18* | |
| | | *For >75 To 100, Deduct* | *-50.09* | |
| | | *For >100 To 200, Deduct* | *-72.04* | |
| | | *For >200, Deduct* | *-101.87* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *100.80* | |
| 07 31 13 13-0016 | SQ | 355 Lb./SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House) | 688.97 | 346.43 |
| | | *For >35 To 75, Deduct* | *-37.40* | |
| | | *For >75 To 100, Deduct* | *-52.75* | |
| | | *For >100 To 200, Deduct* | *-75.58* | |
| | | *For >200, Deduct* | *-106.29* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *100.80* | |
| 07 31 13 13-0017 | SQ | 480 Lb./SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL) | 765.13 | 382.00 |
| | | *For >35 To 75, Deduct* | *-41.79* | |
| | | *For >75 To 100, Deduct* | *-58.82* | |
| | | *For >100 To 200, Deduct* | *-84.22* | |
| | | *For >200, Deduct* | *-118.30* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *111.13* | |
| 07 31 13 13-0018 | SQ | 425 Lb./SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor) | 752.40 | 363.73 |
| | | *For >35 To 75, Deduct* | *-42.17* | |
| | | *For >75 To 100, Deduct* | *-58.87* | |
| | | *For >100 To 200, Deduct* | *-84.00* | |
| | | *For >200, Deduct* | *-117.41* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *105.83* | |

### 07 31 13 13-0019 Asphalt Shingle Accessories *(07 31 13 13)*

| | | | | |
|---|---|---|---|---|
| 07 31 13 13-0020 | LF | Hip And Ridge Roll Vent<br>Note: Excludes shingles. | 9.30 | 1.34 |
| 07 31 13 13-0021 | LF | Three Tab Hip And Ridge Shingles | 4.60 | 3.32 |
| 07 31 13 13-0022 | LF | Architectural Hip And Ridge Shingles | 5.53 | 3.70 |
| 07 31 13 13-0023 | SQ | Demolish Each Additional Layer Of Shingles | 103.54 | |

## 07 31 16 Metal Shingles *(07 31)*

### 07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

| | | | | |
|---|---|---|---|---|
| 07 31 16 00-0002 | SQ | Aluminum Shingles, Mill Finish, 0.020" Thick | 794.87 | 215.19 |
| | | *For Colors, Anodized Finish, Add* | *30.00* | |
| | | *For Bonderized Finish, Add* | *47.00* | |
| | | *For 1" Factory Applied Polystyrene, Add* | *37.00* | |
| 07 31 16 00-0003 | SQ | Aluminum Shingles, Mill Finish, 0.030" Thick | 1,056.80 | 235.20 |
| | | *For Colors, Anodized Finish, Add* | *30.00* | |
| | | *For Bonderized Finish, Add* | *47.00* | |
| | | *For 1" Factory Applied Polystyrene, Add* | *37.00* | |
| 07 31 16 00-0004 | LF | Aluminum Shingles, Ridge Cap, 0.020" Thick | 14.12 | 3.10 |
| 07 31 16 00-0005 | LF | Aluminum Shingles, Ridge Cap, 0.030" Thick | 14.71 | 3.10 |
| 07 31 16 00-0006 | LF | Aluminum Shingles, Valley Section, 0.020" Thick | 9.67 | 3.10 |
| 07 31 16 00-0007 | LF | Aluminum Shingles, Valley Section, 0.030" Thick | 10.86 | 3.10 |

### 07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

| | | | | |
|---|---|---|---|---|
| 07 31 16 00-0009 | SQ | 24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles | 639.19 | 188.14 |
| | | *For Factory Applied 1" Polystyrene Insulation, Add* | *24.75* | |
| | | *For >50 To 75, Deduct* | *-10.51* | |
| | | *For >75 To 100, Deduct* | *-27.81* | |
| | | *For >100 To 200, Deduct* | *-47.73* | |
| | | *For >200, Deduct* | *-65.02* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *120.43* | |
| 07 31 16 00-0010 | SQ | 26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles | 614.34 | 186.64 |
| | | *For Factory Applied 1" Polystyrene Insulation, Add* | *24.75* | |
| | | *For >50 To 75, Deduct* | *-9.65* | |
| | | *For >75 To 100, Deduct* | *-26.21* | |
| | | *For >100 To 200, Deduct* | *-45.19* | |
| | | *For >200, Deduct* | *-61.75* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *119.41* | |
| 07 31 16 00-0011 | SQ | 24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles | 1,022.39 | 188.14 |
| | | *For Factory Applied 1" Polystyrene Insulation, Add* | *24.75* | |
| | | *For >50 To 75, Deduct* | *-25.84* | |
| | | *For >75 To 100, Deduct* | *-54.63* | |
| | | *For >100 To 200, Deduct* | *-89.88* | |
| | | *For >200, Deduct* | *-118.67* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *120.43* | |
| 07 31 16 00-0012 | SQ | 26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles | 939.54 | 186.64 |
| | | *For Factory Applied 1" Polystyrene Insulation, Add* | *24.75* | |
| | | *For >50 To 75, Deduct* | *-22.66* | |
| | | *For >75 To 100, Deduct* | *-48.98* | |
| | | *For >100 To 200, Deduct* | *-80.96* | |
| | | *For >200, Deduct* | *-107.28* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *119.41* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 31 16 00-0013 | LF | Galvanized Steel Shingles, Ridge Or Valley | 10.47 | 2.51 |
| | | *For Factory Applied 1" Polystyrene Insulation, Add* | *24.75* | |
| | | *For >50 To 75, Deduct* | *-0.22* | |
| | | *For >75 To 100, Deduct* | *-0.51* | |
| | | *For >100 To 200, Deduct* | *-0.86* | |
| | | *For >200, Deduct* | *-1.15* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.57* | |

## 07 31 26 Slate Shingles *(07 31)*

Note: Includes 30 Lb. felt and fasteners.

### 07 31 26 00-0001 Shingles Including 30 Lb. Felt And Nails *(07 31 26)*

| | | | | |
|---|---|---|---|---|
| 07 31 26 00-0002 | SQ | Slate Shingles, Buckingham, Virginia Black, 3/16" Thick | 1,223.82 | 320.90 |
| | | *For >50 To 75, Deduct* | *-20.43* | |
| | | *For >75 To 100, Deduct* | *-53.58* | |
| | | *For >100 To 200, Deduct* | *-91.84* | |
| | | *For >200, Deduct* | *-124.99* | |
| | | *For Graduated Shapes, Add* | *76.61* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *228.18* | |
| 07 31 26 00-0003 | SQ | Slate Shingles, Buckingham, Virginia Black, 1/4" Thick | 1,361.17 | 320.90 |
| | | *For >50 To 75, Deduct* | *-25.92* | |
| | | *For >75 To 100, Deduct* | *-63.19* | |
| | | *For >100 To 200, Deduct* | *-106.95* | |
| | | *For >200, Deduct* | *-144.21* | |
| | | *For Graduated Shapes, Add* | *97.22* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *228.18* | |
| 07 31 26 00-0004 | SQ | Slate Shingles, Penn Black Bangor | 1,319.96 | 320.90 |
| | | *For >50 To 75, Deduct* | *-24.28* | |
| | | *For >75 To 100, Deduct* | *-60.31* | |
| | | *For >100 To 200, Deduct* | *-102.41* | |
| | | *For >200, Deduct* | *-138.45* | |
| | | *For Graduated Shapes, Add* | *91.04* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *228.18* | |
| 07 31 26 00-0005 | SQ | Slate Shingles, Vermont, Unfading Colors, Green | 1,333.70 | 320.90 |
| | | *For >50 To 75, Deduct* | *-24.83* | |
| | | *For >75 To 100, Deduct* | *-61.27* | |
| | | *For >100 To 200, Deduct* | *-103.92* | |
| | | *For >200, Deduct* | *-140.37* | |
| | | *For Graduated Shapes, Add* | *93.10* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *228.18* | |
| 07 31 26 00-0006 | SQ | Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray | 1,388.64 | 320.90 |
| | | *For >50 To 75, Deduct* | *-27.02* | |
| | | *For >75 To 100, Deduct* | *-65.12* | |
| | | *For >100 To 200, Deduct* | *-109.97* | |
| | | *For >200, Deduct* | *-148.06* | |
| | | *For Graduated Shapes, Add* | *101.34* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *228.18* | |
| 07 31 26 00-0007 | SQ | Slate Shingles, Vermont, Unfading Color, Purple | 1,319.96 | 320.90 |
| | | *For >50 To 75, Deduct* | *-24.28* | |
| | | *For >75 To 100, Deduct* | *-60.31* | |
| | | *For >100 To 200, Deduct* | *-102.41* | |
| | | *For >200, Deduct* | *-138.45* | |
| | | *For Graduated Shapes, Add* | *91.04* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *228.18* | |
| 07 31 26 00-0008 | SQ | Slate Shingles, Vermont, Unfading Color, Black Or Gray | 1,278.76 | 320.90 |
| | | *For >50 To 75, Deduct* | *-22.63* | |
| | | *For >75 To 100, Deduct* | *-57.43* | |
| | | *For >100 To 200, Deduct* | *-97.88* | |
| | | *For >200, Deduct* | *-132.68* | |
| | | *For Graduated Shapes, Add* | *84.86* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *228.18* | |
| 07 31 26 00-0009 | SQ | Slate Shingles, Vermont, Unfading Color, Red | 2,136.99 | 320.90 |
| | | *For >50 To 75, Deduct* | *-56.96* | |
| | | *For >75 To 100, Deduct* | *-117.50* | |
| | | *For >100 To 200, Deduct* | *-192.29* | |
| | | *For >200, Deduct* | *-252.83* | |
| | | *For Graduated Shapes, Add* | *213.59* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *228.18* | |
| 07 31 26 00-0010 | SQ | Slate Shingles, Vermont, Unfading Color, Variegated Purple | 1,319.96 | 320.90 |
| | | *For >50 To 75, Deduct* | *-24.28* | |
| | | *For >75 To 100, Deduct* | *-60.31* | |
| | | *For >100 To 200, Deduct* | *-102.41* | |
| | | *For >200, Deduct* | *-138.45* | |
| | | *For Graduated Shapes, Add* | *91.04* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *228.18* | |

## 07 31 29 Wood Shingles and Shakes *(07 31)*

### 07 31 29 13 Wood Shingles *(07 31 29)*

07 31 29 13-0001 #1 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 31 29 13-0003 | SQ | 3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof | 935.35 | 220.66 |
| | | *For Steep Roof, Over 7 To 12, Add* | *141.23* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *74.10* | |
| 07 31 29 13-0004 | SQ | 5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof | 676.82 | 165.50 |
| | | *For Steep Roof, Over 7 To 12, Add* | *105.92* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *51.87* | |
| 07 31 29 13-0005 | SQ | 4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof | 832.09 | 187.57 |
| | | *For Steep Roof, Over 7 To 12, Add* | *120.04* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *68.54* | |
| 07 31 29 13-0006 | SQ | 5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof | 681.35 | 154.46 |
| | | *For Steep Roof, Over 7 To 12, Add* | *98.86* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *55.86* | |
| 07 31 29 13-0007 | SQ | 5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof | 914.89 | 146.19 |
| | | *For Steep Roof, Over 7 To 12, Add* | *93.56* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *93.38* | |
| 07 31 29 13-0008 | SQ | 7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof | 705.78 | 124.12 |
| | | *For Steep Roof, Over 7 To 12, Add* | *79.44* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *68.63* | |

### 07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0001)*

| | | | | |
|---|---|---|---|---|
| 07 31 29 13-0010 | SQ | 7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall | 644.21 | 198.60 |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *37.05* | |
| 07 31 29 13-0011 | SQ | 8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall | 631.98 | 187.57 |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *38.53* | |
| 07 31 29 13-0012 | SQ | 10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall | 652.30 | 162.75 |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *49.02* | |

### 07 31 29 13-0013 #2 Grade, Red Cedar Shingles *(07 31 29 13)*

### 07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0013)*

| | | | | |
|---|---|---|---|---|
| 07 31 29 13-0015 | SQ | 3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof | 862.41 | 231.70 |
| | | *For Steep Roof, Over 7 To 12, Add* | *148.28* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *59.85* | |
| 07 31 29 13-0016 | SQ | 4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof | 768.40 | 209.63 |
| | | *For Steep Roof, Over 7 To 12, Add* | *134.16* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *52.37* | |
| 07 31 29 13-0017 | SQ | 4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof | 822.87 | 209.63 |
| | | *For Steep Roof, Over 7 To 12, Add* | *134.16* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *60.54* | |
| 07 31 29 13-0018 | SQ | 4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof | 734.18 | 187.57 |
| | | *For Steep Roof, Over 7 To 12, Add* | *120.04* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *53.86* | |
| 07 31 29 13-0019 | SQ | 5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof | 726.69 | 146.19 |
| | | *For Steep Roof, Over 7 To 12, Add* | *93.56* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *65.15* | |
| 07 31 29 13-0020 | SQ | 6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof | 592.04 | 126.88 |
| | | *For Steep Roof, Over 7 To 12, Add* | *81.20* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *50.74* | |

### 07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0013)*

| | | | | |
|---|---|---|---|---|
| 07 31 29 13-0022 | SQ | 6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall | 618.77 | 209.63 |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *29.93* | |
| 07 31 29 13-0023 | SQ | 7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall | 599.00 | 198.60 |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *30.27* | |
| 07 31 29 13-0024 | SQ | 9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall | 581.07 | 176.54 |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *34.20* | |

## 07 31 29 16 Wood Shakes *(07 31 29)*

### 07 31 29 16-0001 #1 Grade, Red Cedar Shakes *(07 31 29 16)*

### 07 31 29 16-0002 #1 Grade, Red Cedar Shakes Installed On Roofs *(07 31 29 16-0001)*

| | | | | |
|---|---|---|---|---|
| 07 31 29 16-0003 | SQ | 8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof | 677.80 | 179.29 |
| | | *For Steep Roof, Over 7 To 12, Add* | *114.75* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *47.88* | |
| 07 31 29 16-0004 | SQ | 8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof | 784.20 | 179.29 |
| | | *For Steep Roof, Over 7 To 12, Add* | *114.75* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *63.84* | |
| 07 31 29 16-0005 | SQ | 10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof | 731.30 | 146.19 |
| | | *For Steep Roof, Over 7 To 12, Add* | *93.56* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *65.84* | |
| 07 31 29 16-0006 | SQ | 10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof | 776.52 | 146.19 |
| | | *For Steep Roof, Over 7 To 12, Add* | *93.56* | |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *72.62* | |

### 07 31 29 16-0007 #1 Grade, Red Cedar Shakes Installed On Walls *(07 31 29 16-0001)*

| | | | | |
|---|---|---|---|---|
| 07 31 29 16-0008 | SQ | 8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall | 705.39 | 193.08 |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *47.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 31 29 16-0009 | SQ | 8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall | 811.79 | 193.08 |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *63.84* | |
| 07 31 29 16-0010 | SQ | 10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall | 769.92 | 165.50 |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *65.84* | |
| 07 31 29 16-0011 | SQ | 10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall | 815.14 | 165.50 |
| | | *For Pressure-Impregnated Treated (Preservative), Add* | *72.62* | |

### 07 31 29 19 Wood Shingles And Shakes Cap *(07 31 29)*

#### 07 31 29 19-0001 Accessories *(07 31 29 19)*

| | | | | |
|---|---|---|---|---|
| 07 31 29 19-0002 | LF | Hip Or Ridge Cap For Wood Shingles Or Shakes | 11.76 | 1.43 |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.07* | |
| | | *For Pressure-Impregnated Treated (Preservative) Ridge, Add* | *1.26* | |

### 07 31 33 Composite Rubber Shingles *(07 31)*

#### 07 31 33 00-0001 Synthetic Polymeric Rubber Slate Shingles *(07 31 33)*

Note: As manufactured by EcoStar.

| | | | | |
|---|---|---|---|---|
| 07 31 33 00-0002 | SQ | Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure<br>Note: Gray or black. | 1,448.24 | 288.38 |
| | | *For Purple Or Green Color, Add* | *139.45* | |
| | | *For Brown Or Red Color, Add* | *357.33* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *184.54* | |
| | | *For >50 To 75, Deduct* | *-21.79* | |
| | | *For >75 To 100, Deduct* | *-57.99* | |
| | | *For >100 To 200, Deduct* | *-94.20* | |
| | | *For >200, Deduct* | *-144.82* | |
| | | *For 6.5" Exposure, Add* | *100.70* | |
| | | *For 6.0" Exposure, Add* | *201.40* | |
| 07 31 33 00-0003 | SQ | Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure<br>Note: Fire resistant. Gray or black. | 2,029.27 | 288.38 |
| | | *For Purple, Green, Brown Or Red, Add* | *217.89* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *184.54* | |
| | | *For >50 To 75, Deduct* | *-36.31* | |
| | | *For >75 To 100, Deduct* | *-87.05* | |
| | | *For >100 To 200, Deduct* | *-137.78* | |
| | | *For >200, Deduct* | *-202.93* | |
| | | *For 6.5" Exposure, Add* | *142.20* | |
| | | *For 6.0" Exposure, Add* | *284.40* | |
| 07 31 33 00-0004 | SQ | Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure<br>Note: Beaver tail, chisel point or beveled edges. Gray or black. | 1,687.49 | 288.38 |
| | | *For Purple, Green, Brown Or Red, Add* | *399.88* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *184.54* | |
| | | *For >50 To 75, Deduct* | *-27.77* | |
| | | *For >75 To 100, Deduct* | *-69.96* | |
| | | *For >100 To 200, Deduct* | *-112.14* | |
| | | *For >200, Deduct* | *-168.75* | |
| | | *For 6.5" Exposure, Add* | *117.79* | |
| | | *For 6.0" Exposure, Add* | *235.58* | |
| 07 31 33 00-0005 | SQ | Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure<br>Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black. | 2,148.90 | 288.38 |
| | | *For Purple, Green, Brown Or Red, Add* | *172.94* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *184.54* | |
| | | *For >50 To 75, Deduct* | *-39.31* | |
| | | *For >75 To 100, Deduct* | *-93.03* | |
| | | *For >100 To 200, Deduct* | *-146.75* | |
| | | *For >200, Deduct* | *-214.89* | |
| | | *For 6.5" Exposure, Add* | *150.75* | |
| | | *For 6.0" Exposure, Add* | *301.49* | |
| 07 31 33 00-0006 | LF | Hip Or Ridge Polymeric Rubber Slate Shingle<br>Note: Beveled or pointed edges, gray or black. | 16.54 | 1.94 |

## 07 32 Roof Tiles *(07 30)*

### 07 32 13 Clay Roof Tiles *(07 32)*

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

#### 07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure *(07 32 13)*

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

| | | | | |
|---|---|---|---|---|
| 07 32 13 00-0002 | SQ | Lanai Or Classic Tile, 158 Piece Per SQ | 1,393.18 | 304.34 |
| | | *For >25 To 50, Deduct* | *-47.07* | |
| | | *For >50 To 75, Deduct* | *-93.66* | |
| | | *For >75 To 100, Deduct* | *-132.41* | |
| | | *For >100 To 200, Deduct* | *-163.32* | |
| | | *For >200, Deduct* | *-186.38* | |
| | | *For 20 Year Warranty, Add* | *54.91* | |
| 07 32 13 00-0003 | SQ | Americana (Most Colors) Tile Roofing, 158 Piece Per SQ | 1,644.64 | 304.34 |
| | | *For >25 To 50, Deduct* | *-62.15* | |
| | | *For >50 To 75, Deduct* | *-118.81* | |
| | | *For >75 To 100, Deduct* | *-165.10* | |
| | | *For >100 To 200, Deduct* | *-201.04* | |
| | | *For >200, Deduct* | *-226.62* | |
| | | *For 20 Year Warranty, Add* | *72.51* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 32 13 00-0004 | SQ | Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ | 1,644.64 | 304.34 |
| | | *For >25 To 50, Deduct* | *-62.15* | |
| | | *For >50 To 75, Deduct* | *-118.81* | |
| | | *For >75 To 100, Deduct* | *-165.10* | |
| | | *For >100 To 200, Deduct* | *-201.04* | |
| | | *For >200, Deduct* | *-226.62* | |
| | | *For 20 Year Warranty, Add* | *72.51* | |
| 07 32 13 00-0005 | SQ | Americana (Blue) Tile, 158 Piece Per SQ | 1,858.00 | 304.34 |
| | | *For >25 To 50, Deduct* | *-74.96* | |
| | | *For >50 To 75, Deduct* | *-140.14* | |
| | | *For >75 To 100, Deduct* | *-192.84* | |
| | | *For >100 To 200, Deduct* | *-233.04* | |
| | | *For >200, Deduct* | *-260.76* | |
| | | *For 20 Year Warranty, Add* | *87.45* | |
| 07 32 13 00-0006 | SQ | French Tile Roofing, Red, 133 Piece Per SQ | 1,663.82 | 372.11 |
| | | *For >25 To 50, Deduct* | *-55.18* | |
| | | *For >50 To 75, Deduct* | *-110.57* | |
| | | *For >75 To 100, Deduct* | *-156.76* | |
| | | *For >100 To 200, Deduct* | *-193.76* | |
| | | *For >200, Deduct* | *-221.56* | |
| | | *For 20 Year Warranty, Add* | *64.37* | |
| 07 32 13 00-0007 | SQ | French Tile Roofing, Blue Or Green, 133 Piece Per SQ | 2,039.16 | 372.11 |
| | | *For >25 To 50, Deduct* | *-77.70* | |
| | | *For >50 To 75, Deduct* | *-148.10* | |
| | | *For >75 To 100, Deduct* | *-205.56* | |
| | | *For >100 To 200, Deduct* | *-250.06* | |
| | | *For >200, Deduct* | *-281.61* | |
| | | *For 20 Year Warranty, Add* | *90.65* | |
| 07 32 13 00-0008 | SQ | Norman Tile Roofing, 317 Piece Per SQ | 2,611.07 | 501.99 |
| | | *For >25 To 50, Deduct* | *-96.44* | |
| | | *For >50 To 75, Deduct* | *-185.83* | |
| | | *For >75 To 100, Deduct* | *-259.14* | |
| | | *For >100 To 200, Deduct* | *-316.38* | |
| | | *For >200, Deduct* | *-357.55* | |
| | | *For 20 Year Warranty, Add* | *112.52* | |
| 07 32 13 00-0009 | SQ | Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ | 1,476.03 | 372.11 |
| | | *For >25 To 50, Deduct* | *-43.91* | |
| | | *For >50 To 75, Deduct* | *-91.79* | |
| | | *For >75 To 100, Deduct* | *-132.35* | |
| | | *For >100 To 200, Deduct* | *-165.59* | |
| | | *For >200, Deduct* | *-191.51* | |
| | | *For 20 Year Warranty, Add* | *51.23* | |
| 07 32 13 00-0010 | SQ | Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ | 1,780.08 | 372.11 |
| | | *For >25 To 50, Deduct* | *-62.15* | |
| | | *For >50 To 75, Deduct* | *-122.19* | |
| | | *For >75 To 100, Deduct* | *-171.88* | |
| | | *For >100 To 200, Deduct* | *-211.20* | |
| | | *For >200, Deduct* | *-240.16* | |
| | | *For 20 Year Warranty, Add* | *72.51* | |
| 07 32 13 00-0011 | SQ | Spanish Tile Roofing, Red, 171 Piece Per SQ | 1,250.27 | 278.61 |
| | | *For >25 To 50, Deduct* | *-41.58* | |
| | | *For >50 To 75, Deduct* | *-83.23* | |
| | | *For >75 To 100, Deduct* | *-117.95* | |
| | | *For >100 To 200, Deduct* | *-145.74* | |
| | | *For >200, Deduct* | *-166.61* | |
| | | *For 20 Year Warranty, Add* | *48.51* | |
| 07 32 13 00-0012 | SQ | Spanish Tile Roofing, Blend, 171 Piece Per SQ | 1,577.93 | 278.61 |
| | | *For >25 To 50, Deduct* | *-61.24* | |
| | | *For >50 To 75, Deduct* | *-116.00* | |
| | | *For >75 To 100, Deduct* | *-160.55* | |
| | | *For >100 To 200, Deduct* | *-194.89* | |
| | | *For >200, Deduct* | *-219.03* | |
| | | *For 20 Year Warranty, Add* | *71.45* | |
| 07 32 13 00-0013 | SQ | Spanish Tile Roofing, Glazed White, 171 Piece Per SQ | 1,859.87 | 278.61 |
| | | *For >25 To 50, Deduct* | *-78.16* | |
| | | *For >50 To 75, Deduct* | *-144.19* | |
| | | *For >75 To 100, Deduct* | *-197.20* | |
| | | *For >100 To 200, Deduct* | *-237.18* | |
| | | *For >200, Deduct* | *-264.14* | |
| | | *For 20 Year Warranty, Add* | *91.18* | |
| 07 32 13 00-0014 | SQ | Two Piece Mission Tile Roofing, 192 Piece Per SQ | 2,290.35 | 436.73 |
| | | *For >25 To 50, Deduct* | *-85.01* | |
| | | *For >50 To 75, Deduct* | *-163.53* | |
| | | *For >75 To 100, Deduct* | *-227.87* | |
| | | *For >100 To 200, Deduct* | *-278.04* | |
| | | *For >200, Deduct* | *-314.05* | |
| | | *For 20 Year Warranty, Add* | *99.18* | |
| 07 32 13 00-0015 | SQ | One Piece Mission Tile Roofing, 75 Piece Per SQ | 1,065.52 | 304.34 |
| | | *For >25 To 50, Deduct* | *-27.41* | |
| | | *For >50 To 75, Deduct* | *-60.90* | |
| | | *For >75 To 100, Deduct* | *-89.82* | |
| | | *For >100 To 200, Deduct* | *-114.17* | |
| | | *For >200, Deduct* | *-133.96* | |
| | | *For 20 Year Warranty, Add* | *31.97* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 32 13 00-0016 | SQ | One Piece Mission Tile Roofing, 134 Piece Per SQ | 1,433.10 | 436.73 |
| | | *For >25 To 50, Deduct* | *-33.58* | |
| | | *For >50 To 75, Deduct* | *-77.80* | |
| | | *For >75 To 100, Deduct* | *-116.43* | |
| | | *For >100 To 200, Deduct* | *-149.46* | |
| | | *For >200, Deduct* | *-176.89* | |
| | | *For 20 Year Warranty, Add* | *39.17* | |

## 07 32 16 Concrete Roof Tiles *(07 32)*

### 07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*

Note: Includes 30 Lb. felt underlayment.

| | | | | |
|---|---|---|---|---|
| 07 32 16 00-0002 | SQ | 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Earthtone Colors, Corrugated | 1,219.37 | 461.33 |
| | | *For >50 To 75, Deduct* | *-11.86* | |
| | | *For >75 To 100, Deduct* | *-43.83* | |
| | | *For >100 To 200, Deduct* | *-78.76* | |
| | | *For >200, Deduct* | *-110.73* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *295.29* | |
| 07 32 16 00-0003 | SQ | 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Blues, Corrugated | 1,515.52 | 461.33 |
| | | *For >50 To 75, Deduct* | *-23.71* | |
| | | *For >75 To 100, Deduct* | *-64.56* | |
| | | *For >100 To 200, Deduct* | *-111.34* | |
| | | *For >200, Deduct* | *-152.19* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *295.29* | |
| 07 32 16 00-0004 | SQ | 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Greens Corrugated | 1,278.60 | 461.33 |
| | | *For >50 To 75, Deduct* | *-14.23* | |
| | | *For >75 To 100, Deduct* | *-47.98* | |
| | | *For >100 To 200, Deduct* | *-85.28* | |
| | | *For >200, Deduct* | *-119.02* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *295.29* | |
| 07 32 16 00-0005 | SQ | 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Colors, Shakes | 1,196.28 | 412.76 |
| | | *For >50 To 75, Deduct* | *-14.82* | |
| | | *For >75 To 100, Deduct* | *-46.58* | |
| | | *For >100 To 200, Deduct* | *-82.05* | |
| | | *For >200, Deduct* | *-113.81* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *264.21* | |

### 07 32 16 00-0006 Accessories *(07 32 16)*

| | | | |
|---|---|---|---|
| 07 32 16 00-0007 | EA | Ridge And Hip, 10" X 16-1/2", 8 Lb. Each For Concrete Tile Roof | 5.00 |
| 07 32 16 00-0008 | EA | Rake, 6-1/2" X 16-3/4", 9 Lb. Each For Concrete Tile Roof | 3.29 |
| 07 32 16 00-0009 | EA | Mansard Hip, 10" X 16-1/2", 9.2 Lb. Each For Concrete Tile Roof | 4.97 |
| 07 32 16 00-0010 | EA | Hip Starter, 10" X 16-1/2", 10.5 Lb. Each For Concrete Tile Roof | 5.69 |
| 07 32 16 00-0011 | EA | 3 Or 4 Way Apex, 10" Each Side, 11.5 Lb. Each For Concrete Tile Roof | 5.92 |

### 07 32 16 00-0012 Concrete Roof Tiles (Boral) *(07 32 16)*

| | | | | |
|---|---|---|---|---|
| 07 32 16 00-0013 | SQ | 13" x 17" Concrete Roof Tile, 85/SQ, 930 Lb./SQ, Saxony® 900 Slate, California Mission Blend Color | 1,107.73 | 461.33 |
| | | *For >50 To 75, Deduct* | *-7.40* | |
| | | *For >75 To 100, Deduct* | *-36.02* | |
| | | *For >100 To 200, Deduct* | *-66.48* | |
| | | *For >200, Deduct* | *-95.10* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *295.29* | |

### 07 32 16 00-0014 ConcreteTiles Accessories (Boral) *(07 32 16)*

| | | | |
|---|---|---|---|
| 07 32 16 00-0015 | EA | Saxony Galvanized Clip For Concrete Roof Tile | 0.23 |
| 07 32 16 00-0016 | EA | 1" x 3" x 8" Elevated Battens For Concrete Roof Tile | 4.68 |

# 07 34 Roofing Underlayment *(07 30)*

### 07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment *(07 34)*

Note: Standard slope.

| | | | | |
|---|---|---|---|---|
| 07 34 00 00-0002 | SQ | 15 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened | 40.96 | 9.29 |
| | | *For Steep Roof, Over 7 To 12, Add* | *5.95* | |
| | | *For >50 To 75, Deduct* | *-0.89* | |
| | | *For >75 To 100, Deduct* | *-2.03* | |
| | | *For >100 To 200, Deduct* | *-3.39* | |
| | | *For >200, Deduct* | *-4.99* | |
| 07 34 00 00-0003 | SQ | 30 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened | 62.95 | 12.78 |
| | | *For Steep Roof, Over 7 To 12, Add* | *8.18* | |
| | | *For >50 To 75, Deduct* | *-1.50* | |
| | | *For >75 To 100, Deduct* | *-3.26* | |
| | | *For >100 To 200, Deduct* | *-5.39* | |
| | | *For >200, Deduct* | *-7.79* | |
| 07 34 00 00-0004 | SQ | 30 Lb., Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened | 69.99 | 12.78 |
| | | *For Steep Roof, Over 7 To 12, Add* | *8.18* | |
| | | *For >50 To 75, Deduct* | *-1.78* | |
| | | *For >75 To 100, Deduct* | *-3.75* | |
| | | *For >100 To 200, Deduct* | *-6.17* | |
| | | *For >200, Deduct* | *-8.78* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 34 00 00-0005 | SQ | Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt) | 78.66 | 19.36 |
| | | *For Steep Roof, Over 7 To 12, Add* | *12.39* | |
| | | *For >50 To 75, Deduct* | *-1.60* | |
| | | *For >75 To 100, Deduct* | *-3.76* | |
| | | *For >100 To 200, Deduct* | *-6.33* | |
| | | *For >200, Deduct* | *-9.46* | |
| 07 34 00 00-0006 | SQ | 17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25) | 86.99 | 19.36 |
| | | *For Steep Roof, Over 7 To 12, Add* | *12.39* | |
| | | *For >50 To 75, Deduct* | *-1.93* | |
| | | *For >75 To 100, Deduct* | *-4.35* | |
| | | *For >100 To 200, Deduct* | *-7.25* | |
| | | *For >200, Deduct* | *-10.63* | |
| 07 34 00 00-0007 | SQ | 25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30) | 100.73 | 19.36 |
| | | *For Steep Roof, Over 7 To 12, Add* | *12.39* | |
| | | *For >50 To 75, Deduct* | *-2.48* | |
| | | *For >75 To 100, Deduct* | *-5.31* | |
| | | *For >100 To 200, Deduct* | *-8.76* | |
| | | *For >200, Deduct* | *-12.55* | |
| 07 34 00 00-0008 | SQ | 30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50) | 93.86 | 19.36 |
| | | *For Steep Roof, Over 7 To 12, Add* | *12.39* | |
| | | *For >50 To 75, Deduct* | *-2.21* | |
| | | *For >75 To 100, Deduct* | *-4.83* | |
| | | *For >100 To 200, Deduct* | *-8.00* | |
| | | *For >200, Deduct* | *-11.59* | |

## 07 34 00 00-0009 Self-Adhering, Roofing Underlayment *(07 34)*

Note: Standard slope.

| | | | | |
|---|---|---|---|---|
| 07 34 00 00-0010 | SQ | 48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat) | 160.99 | 23.49 |
| | | *For Steep Roof, Over 7 To 12, Add* | *15.02* | |
| | | *For >50 To 75, Deduct* | *-4.56* | |
| | | *For >75 To 100, Deduct* | *-9.16* | |
| | | *For >100 To 200, Deduct* | *-14.89* | |
| | | *For >200, Deduct* | *-20.66* | |
| 07 34 00 00-0011 | SQ | 60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®) | 240.64 | 23.49 |
| | | *For Steep Roof, Over 7 To 12, Add* | *15.02* | |
| | | *For >50 To 75, Deduct* | *-7.75* | |
| | | *For >75 To 100, Deduct* | *-14.73* | |
| | | *For >100 To 200, Deduct* | *-23.65* | |
| | | *For >200, Deduct* | *-31.81* | |
| 07 34 00 00-0012 | SQ | 53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G) | 170.84 | 23.49 |
| | | *For Steep Roof, Over 7 To 12, Add* | *15.02* | |
| | | *For >50 To 75, Deduct* | *-4.96* | |
| | | *For >75 To 100, Deduct* | *-9.85* | |
| | | *For >100 To 200, Deduct* | *-15.98* | |
| | | *For >200, Deduct* | *-22.04* | |
| 07 34 00 00-0013 | SQ | 65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal) | 160.99 | 23.49 |
| | | *For Steep Roof, Over 7 To 12, Add* | *15.02* | |
| | | *For >50 To 75, Deduct* | *-4.56* | |
| | | *For >75 To 100, Deduct* | *-9.16* | |
| | | *For >100 To 200, Deduct* | *-14.89* | |
| | | *For >200, Deduct* | *-20.66* | |
| 07 34 00 00-0014 | SQ | 45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30) | 229.15 | 23.49 |
| | | *For Steep Roof, Over 7 To 12, Add* | *15.02* | |
| | | *For >50 To 75, Deduct* | *-7.29* | |
| | | *For >75 To 100, Deduct* | *-13.93* | |
| | | *For >100 To 200, Deduct* | *-22.39* | |
| | | *For >200, Deduct* | *-30.20* | |
| 07 34 00 00-0015 | SQ | 25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select) | 193.16 | 23.49 |
| | | *For Steep Roof, Over 7 To 12, Add* | *15.02* | |
| | | *For >50 To 75, Deduct* | *-5.85* | |
| | | *For >75 To 100, Deduct* | *-11.41* | |
| | | *For >100 To 200, Deduct* | *-18.43* | |
| | | *For >200, Deduct* | *-25.16* | |
| 07 34 00 00-0016 | SQ | 40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®) | 285.90 | 23.49 |
| | | *For Steep Roof, Over 7 To 12, Add* | *15.02* | |
| | | *For >50 To 75, Deduct* | *-9.56* | |
| | | *For >75 To 100, Deduct* | *-17.90* | |
| | | *For >100 To 200, Deduct* | *-28.63* | |
| | | *For >200, Deduct* | *-38.15* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 34 00 00-0017 | SQ | 40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT) | 326.53 | 23.49 |
| | | *For Steep Roof, Over 7 To 12, Add* | *15.02* | |
| | | *For >50 To 75, Deduct* | *-11.18* | |
| | | *For >75 To 100, Deduct* | *-20.74* | |
| | | *For >100 To 200, Deduct* | *-33.10* | |
| | | *For >200, Deduct* | *-43.84* | |
| 07 34 00 00-0018 | SQ | 30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra) | 478.95 | 23.49 |
| | | *For Steep Roof, Over 7 To 12, Add* | *15.02* | |
| | | *For >50 To 75, Deduct* | *-17.28* | |
| | | *For >75 To 100, Deduct* | *-31.41* | |
| | | *For >100 To 200, Deduct* | *-49.87* | |
| | | *For >200, Deduct* | *-65.18* | |

# 07 40 Roofing and Siding Panels *(07)*

## 07 41 Roof Panels *(07 40)*

Note: Includes standard fasteners, grommets, cleats for installation.

### 07 41 13 Metal Roof Panels *(07 41)*

#### 07 41 13 00-0001 Exposed Fastener Metal Roofing *(07 41 13)*

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

#### 07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

#### 07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels *(07 41 13 00-0002)*

| | | | | |
|---|---|---|---|---|
| 07 41 13 00-0004 | SF | 18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels | 7.63 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |
| 07 41 13 00-0005 | SF | 20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels | 7.09 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |
| 07 41 13 00-0006 | SF | 22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels | 6.72 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |
| 07 41 13 00-0007 | SF | 24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels | 6.35 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |
| 07 41 13 00-0008 | SF | 26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels | 6.04 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |
| 07 41 13 00-0009 | SF | 28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels | 5.78 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |
| 07 41 13 00-0010 | SF | 30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels | 5.67 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |

#### 07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories *(07 41 13 00-0002)*

See CSI section 07 41 13 00-0038 for accessories.

| | | | | |
|---|---|---|---|---|
| 07 41 13 00-0012 | LF | Ridge Flashing For Galvanized Steel Exposed Fastener Roofing | 28.03 | 2.99 |
| | | *For Steep Roof, Over 7 To 12, Add* | *3.86* | |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.60* | |
| 07 41 13 00-0013 | LF | 9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing | 17.51 | 1.96 |
| | | *For Steep Roof, Over 7 To 12, Add* | *2.57* | |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *0.95* | |
| 07 41 13 00-0014 | LF | Valley Flashing For Galvanized Steel Exposed Fastener Roofing | 34.31 | 2.99 |
| | | *For Steep Roof, Over 7 To 12, Add* | *3.86* | |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *2.23* | |
| 07 41 13 00-0015 | LF | Hip Flashing For Galvanized Steel Exposed Fastener Roofing | 28.60 | 2.99 |
| | | *For Steep Roof, Over 7 To 12, Add* | *3.86* | |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |

#### 07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

#### 07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels *(07 41 13 00-0016)*

| | | | | |
|---|---|---|---|---|
| 07 41 13 00-0018 | SF | 0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels | 8.42 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |
| 07 41 13 00-0019 | SF | 0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels | 9.04 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |
| 07 41 13 00-0020 | SF | 0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels | 10.52 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |
| 07 41 13 00-0021 | SF | 0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels | 12.49 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 41 13 00-0022 | SF | 0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels | 14.47 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |
| 07 41 13 00-0023 | SF | 0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels | 16.94 | 2.87 |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.66* | |
| | | *For Steep Roof, Over 7 To 12, Add* | *1.47* | |

## 07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories *(07 41 13 00-0016)*

| | | | | |
|---|---|---|---|---|
| 07 41 13 00-0025 | LF | Ridge Flashing For Aluminum Exposed Fastener Metal Roofing | 31.88 | 2.99 |
| | | *For Steep Roof, Over 7 To 12, Add* | *3.86* | |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.98* | |
| 07 41 13 00-0026 | LF | 9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing | 19.73 | 2.07 |
| | | *For Steep Roof, Over 7 To 12, Add* | *2.57* | |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *1.17* | |
| 07 41 13 00-0027 | LF | Valley Flashing For Aluminum Exposed Fastener Metal Roofing | 39.72 | 2.99 |
| | | *For Steep Roof, Over 7 To 12, Add* | *3.86* | |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *2.77* | |
| 07 41 13 00-0028 | LF | Hip Flashing For Aluminum Exposed Fastener Metal Roofing | 32.59 | 2.99 |
| | | *For Steep Roof, Over 7 To 12, Add* | *3.86* | |
| | | *For Fluoropolymer (Kynar®) Coating, Add* | *2.05* | |

## 07 41 13 00-0029 Standing Seam Roofs *(07 41 13)*

Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.

## 07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.

## 07 41 13 00-0031 Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0030)*

| | | | | |
|---|---|---|---|---|
| 07 41 13 00-0032 | SF | Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing | 13.36 | 3.05 |
| | | *For Steep Roof, Over 6 To 12, Add* | *1.82* | |
| | | *For Panels <16" Wide, Add* | *1.79* | |
| | | *For 140 MPH Wind Load, Add* | *0.75* | |
| | | *For Up To 1,500, Add* | *3.34* | |
| | | *For >1,500 To 5,000, Add* | *2.00* | |
| | | *For >5,000 To 10,000, Add* | *0.33* | |
| 07 41 13 00-0033 | SF | Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing | 14.05 | 3.05 |
| | | *For Steep Roof, Over 6 To 12, Add* | *1.82* | |
| | | *For Panels <16" Wide, Add* | *1.83* | |
| | | *For 140 MPH Wind Load, Add* | *0.77* | |
| | | *For Up To 1,500, Add* | *3.51* | |
| | | *For >1,500 To 5,000, Add* | *2.11* | |
| | | *For >5,000 To 10,000, Add* | *0.35* | |
| 07 41 13 00-0034 | SF | Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing | 12.76 | 3.05 |
| | | *For Steep Roof, Over 6 To 12, Add* | *1.82* | |
| | | *For Panels <16" Wide, Add* | *1.76* | |
| | | *For 140 MPH Wind Load, Add* | *0.74* | |
| | | *For Up To 1,500, Add* | *3.19* | |
| | | *For >1,500 To 5,000, Add* | *1.91* | |
| | | *For >5,000 To 10,000, Add* | *0.32* | |
| 07 41 13 00-0035 | SF | Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing | 13.00 | 3.05 |
| | | *For Steep Roof, Over 6 To 12, Add* | *1.82* | |
| | | *For Panels <16" Wide, Add* | *1.77* | |
| | | *For 140 MPH Wind Load, Add* | *0.75* | |
| | | *For Up To 1,500, Add* | *3.25* | |
| | | *For >1,500 To 5,000, Add* | *1.95* | |
| | | *For >5,000 To 10,000, Add* | *0.33* | |
| 07 41 13 00-0036 | SF | Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing | 13.27 | 3.05 |
| | | *For Steep Roof, Over 6 To 12, Add* | *1.82* | |
| | | *For Panels <16" Wide, Add* | *1.79* | |
| | | *For 140 MPH Wind Load, Add* | *0.75* | |
| | | *For Up To 1,500, Add* | *3.32* | |
| | | *For >1,500 To 5,000, Add* | *1.99* | |
| | | *For >5,000 To 10,000, Add* | *0.33* | |
| 07 41 13 00-0037 | SF | Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing | 14.26 | 3.05 |
| | | *For Steep Roof, Over 6 To 12, Add* | *1.82* | |
| | | *For Panels <16" Wide, Add* | *1.84* | |
| | | *For 140 MPH Wind Load, Add* | *0.77* | |
| | | *For Up To 1,500, Add* | *3.57* | |
| | | *For >1,500 To 5,000, Add* | *2.14* | |
| | | *For >5,000 To 10,000, Add* | *0.36* | |

## 07 41 13 00-0038 Accessories For Galvanized Steel Standing Seam Roofing *(07 41 13 00-0030)*

| | | | | |
|---|---|---|---|---|
| 07 41 13 00-0039 | LF | Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing | 29.63 | 2.99 |
| | | *For Steep Roof, Over 6 To 12, Add* | *3.62* | |
| | | *For 140 MPH Wind Load, Add* | *1.56* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 41 13 00-0040 | LF | 9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing | 18.46 | 2.07 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.41* | |
| | | *For 140 MPH Wind Load, Add* | *1.01* | |
| 07 41 13 00-0041 | LF | Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing | 36.53 | 2.99 |
| | | *For Steep Roof, Over 6 To 12, Add* | *3.62* | |
| | | *For 140 MPH Wind Load, Add* | *1.69* | |
| 07 41 13 00-0042 | LF | Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing | 30.25 | 2.99 |
| | | *For Steep Roof, Over 6 To 12, Add* | *3.62* | |
| | | *For 140 MPH Wind Load, Add* | *1.57* | |

## 07 41 13 00-0043 Aluminum Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.

## 07 41 13 00-0044 Aluminum Standing Seam Concealed Fastener Roofing *(07 41 13 00-0043)*

| | | | | |
|---|---|---|---|---|
| 07 41 13 00-0045 | SF | Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing | 13.84 | 3.05 |
| | | *For Steep Roof, Over 6 To 12, Add* | *1.82* | |
| | | *For 140 MPH Wind Load, Add* | *0.76* | |
| | | *For Up To 1,500, Add* | *3.46* | |
| | | *For Panels < 16" Wide, Add* | *1.82* | |
| | | *For Up To 5000, Add* | *0.76* | |
| | | *For > 5000 To 10000, Add* | *0.35* | |
| 07 41 13 00-0046 | SF | Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing | 14.42 | 3.05 |
| | | *For Steep Roof, Over 6 To 12, Add* | *1.82* | |
| | | *For 140 MPH Wind Load, Add* | *0.77* | |
| | | *For Up To 1,500, Add* | *3.61* | |
| | | *For Panels < 16" Wide, Add* | *1.85* | |
| | | *For Up To 5000, Add* | *0.77* | |
| | | *For > 5000 To 10000, Add* | *0.36* | |
| 07 41 13 00-0047 | SF | Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing | 13.51 | 3.05 |
| | | *For Steep Roof, Over 6 To 12, Add* | *1.82* | |
| | | *For 140 MPH Wind Load, Add* | *0.76* | |
| | | *For Up To 1,500, Add* | *3.38* | |
| | | *For Panels < 16" Wide, Add* | *1.80* | |
| | | *For Up To 5000, Add* | *0.76* | |
| | | *For > 5000 To 10000, Add* | *0.34* | |
| 07 41 13 00-0048 | SF | Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing | 14.58 | 3.05 |
| | | *For Steep Roof, Over 6 To 12, Add* | *1.82* | |
| | | *For 140 MPH Wind Load, Add* | *0.78* | |
| | | *For Up To 1,500, Add* | *3.65* | |
| | | *For Panels < 16" Wide, Add* | *1.85* | |
| | | *For Up To 5000, Add* | *0.78* | |
| | | *For > 5000 To 10000, Add* | *0.36* | |

## 07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing *(07 41 13 00-0043)*

| | | | | |
|---|---|---|---|---|
| 07 41 13 00-0050 | LF | Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing | 33.86 | 2.99 |
| | | *For Steep Roof, Over 6 To 12, Add* | *3.62* | |
| | | *For 140 MPH Wind Load, Add* | *1.64* | |
| 07 41 13 00-0051 | LF | 9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing | 20.90 | 2.07 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.41* | |
| | | *For 140 MPH Wind Load, Add* | *1.06* | |
| 07 41 13 00-0052 | LF | Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing | 42.49 | 2.99 |
| | | *For Steep Roof, Over 6 To 12, Add* | *3.62* | |
| | | *For 140 MPH Wind Load, Add* | *1.81* | |
| 07 41 13 00-0053 | LF | Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing | 34.65 | 2.99 |
| | | *For Steep Roof, Over 6 To 12, Add* | *3.62* | |
| | | *For 140 MPH Wind Load, Add* | *1.66* | |

## 07 41 13 00-0054 Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

## 07 41 13 00-0055 Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*

| | | | | |
|---|---|---|---|---|
| 07 41 13 00-0056 | SF | Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing | 25.88 | 3.65 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.74* | |
| | | *For 140 MPH Wind Load, Add* | *1.25* | |
| | | *For Up To 1,500, Add* | *6.47* | |
| | | *For Up To 5000, Add* | *2.59* | |
| | | *For > 5000 To 10000, Add* | *0.65* | |
| | | *For Panels < 16" Wide, Add* | *2.98* | |
| 07 41 13 00-0057 | SF | Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing | 29.45 | 3.65 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.74* | |
| | | *For 140 MPH Wind Load, Add* | *1.32* | |
| | | *For Up To 1,500, Add* | *7.36* | |
| | | *For Up To 5000, Add* | *2.95* | |
| | | *For > 5000 To 10000, Add* | *0.74* | |
| | | *For Panels < 16" Wide, Add* | *3.16* | |
| 07 41 13 00-0058 | SF | Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing | 33.67 | 3.65 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.74* | |
| | | *For 140 MPH Wind Load, Add* | *1.40* | |
| | | *For Up To 1,500, Add* | *8.42* | |
| | | *For Up To 5000, Add* | *3.37* | |
| | | *For > 5000 To 10000, Add* | *0.84* | |
| | | *For Panels < 16" Wide, Add* | *3.37* | |

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| | | | MINOR CSI UOM DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 07 41 13 00-0059 | SF | | Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing | 39.09 | 3.65 |
| | | | *For Steep Roof, Over 6 To 12, Add* | *2.74* | |
| | | | *For 140 MPH Wind Load, Add* | *1.51* | |
| | | | *For Up To 1,500, Add* | *9.77* | |
| | | | *For Up To 5000, Add* | *3.91* | |
| | | | *For > 5000 To 10000, Add* | *0.98* | |
| | | | *For Panels < 16" Wide, Add* | *3.64* | |

### 07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*

| | | | | | |
|---|---|---|---|---|---|
| 07 41 13 00-0061 | LF | | Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing | 78.74 | 3.33 |
| | | | *For Steep Roof, Over 6 To 12, Add* | *4.00* | |
| | | | *For 140 MPH Wind Load, Add* | *2.64* | |
| 07 41 13 00-0062 | LF | | 9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing | 42.59 | 2.18 |
| | | | *For Steep Roof, Over 6 To 12, Add* | *2.66* | |
| | | | *For 140 MPH Wind Load, Add* | *1.56* | |
| 07 41 13 00-0063 | LF | | Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing | 108.58 | 3.33 |
| | | | *For Steep Roof, Over 6 To 12, Add* | *3.96* | |
| | | | *For 140 MPH Wind Load, Add* | *3.23* | |
| 07 41 13 00-0064 | LF | | Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing | 81.11 | 3.33 |
| | | | *For Steep Roof, Over 6 To 12, Add* | *4.00* | |
| | | | *For 140 MPH Wind Load, Add* | *2.69* | |

### 07 41 13 00-0065 Metal Roof Surfacing *(07 41 13)*

| | | | | | |
|---|---|---|---|---|---|
| 07 41 13 00-0066 | SF | | Acrylic, Metal Roof Primer, One Coat | 0.81 | |
| | | | *For Steep Roof, Over 7 To 12, Add* | *0.17* | |
| 07 41 13 00-0067 | SF | | Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat<br>Note: 55% solids by volume. | 1.06 | |
| | | | *For Steep Roof, Over 7 To 12, Add* | *0.17* | |

## 07 41 33 Plastic Roof Panels *(07 41)*

### 07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*

### 07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*

| | | | | | |
|---|---|---|---|---|---|
| 07 41 33 00-0003 | SF | | Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide | 7.45 | 2.59 |
| 07 41 33 00-0004 | SF | | Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide | 7.09 | 2.34 |
| 07 41 33 00-0005 | SF | | Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide | 7.70 | 2.59 |
| 07 41 33 00-0006 | SF | | Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide | 7.30 | 2.34 |

### 07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*

| | | | | | |
|---|---|---|---|---|---|
| 07 41 33 00-0008 | LF | | 1" "J" Channel, Starter Strip Trim | 4.61 | 1.95 |
| 07 41 33 00-0009 | LF | | 3-1/2" "J" Channel, Starter Strip Trim | 6.51 | 1.95 |
| 07 41 33 00-0010 | LF | | Outside Corner Post, 7/8" Pocket | 7.06 | 1.95 |
| 07 41 33 00-0011 | LF | | Inside Corner Post, 7/8" Pocket | 5.58 | 1.95 |

### 07 41 33 00-0012 Fiberglass Roofing Panel *(07 41 33)*

### 07 41 33 00-0013 Corrugated Panels *(07 41 33 00-0012)*

| | | | | | |
|---|---|---|---|---|---|
| 07 41 33 00-0014 | SF | | 8 Ounce Corrugated Fiberglass Panel | 7.92 | 2.08 |
| 07 41 33 00-0015 | SF | | 12 Ounce Corrugated Fiberglass Panel | 9.14 | 2.08 |

# 07 42 Wall Panels *(07 40)*

## 07 42 13 Metal Wall Panels *(07 42)*

### 07 42 13 19 Insulated Metal Wall Panels *(07 42 13)*

### 07 42 13 19-0001 Insulated Panels For Sash/Window Replacement *(07 42 13 19)*

Note: Porcelain or polymer finish on aluminum panel with polystyrene core.

| | | | | | |
|---|---|---|---|---|---|
| 07 42 13 19-0002 | SF | | 1" Insulated Panel For Sash Or Window Replacement | 39.16 | 4.41 |
| | | | *For Non-Insulated Panels, Deduct* | *-7.57* | |
| 07 42 13 19-0003 | SF | | 1-1/4" Insulated Panel For Sash Or Window Replacement | 42.19 | 4.96 |
| | | | *For Non-Insulated Panels, Deduct* | *-8.09* | |
| 07 42 13 19-0004 | SF | | 1-3/4" Insulated Panel For Sash Or Window Replacement | 45.04 | 5.52 |
| | | | *For Non-Insulated Panels, Deduct* | *-8.61* | |
| 07 42 13 19-0005 | SF | | 2-1/4" Insulated Panel For Sash Or Window Replacement | 48.02 | 5.74 |
| | | | *For Non-Insulated Panels, Deduct* | *-9.13* | |
| 07 42 13 19-0006 | SF | | 3-1/4" Insulated Panel For Sash Or Window Replacement | 54.97 | 6.29 |
| | | | *For Non-Insulated Panels, Deduct* | *-10.61* | |
| 07 42 13 19-0007 | SF | | 4-1/4" Insulated Panel For Sash Or Window Replacement | 64.70 | 6.96 |
| | | | *For Non-Insulated Panels, Deduct* | *-12.73* | |

## 07 42 13 23 Metal Composite Material Wall Panels *(07 42 13)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 42 13 23-0001 | | 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels *(07 42 13 23)* | | |
| | | Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation. | | |
| 07 42 13 23-0002 | SF | 2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels | 23.45 | 2.64 |
| | | *For AZ-50 Aluminum-Zinc Coated Exterior, Add* | *0.24* | |
| | | *For Premium Exterior Colors, Add* | *0.12* | |
| 07 42 13 23-0003 | SF | 2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels | 26.28 | 2.99 |
| | | *For AZ-50 Aluminum-Zinc Coated Exterior, Add* | *0.24* | |
| | | *For Premium Exterior Colors, Add* | *0.12* | |
| 07 42 13 23-0004 | SF | 3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels | 28.65 | 3.39 |
| | | *For AZ-50 Aluminum-Zinc Coated Exterior, Add* | *0.24* | |
| | | *For Premium Exterior Colors, Add* | *0.12* | |
| 07 42 13 23-0005 | SF | 4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels | 31.86 | 4.48 |
| | | *For AZ-50 Aluminum-Zinc Coated Exterior, Add* | *0.24* | |
| | | *For Premium Exterior Colors, Add* | *0.12* | |
| **07 42 63** | | **Fabricated Wall Panel Assemblies** *(07 42)* | | |
| 07 42 63 00-0001 | | Insulated Freezer And Chiller Panels *(07 42 63)* | | |
| | | Note: Excludes suspension system for ceiling support. | | |
| 07 42 63 00-0002 | | Polyurethane Sandwich Panel *(07 42 63 00-0001)* | | |
| | | Note: With 22 gauge galvanized sheet metal face excludes painting. | | |
| 07 42 63 00-0003 | SF | 2" 22 Gauge Freezer Panel Sheet Metal Both Faces | 28.25 | 1.83 |
| 07 42 63 00-0004 | SF | 3" 22 Gauge Freezer Panel Sheet Metal Both Faces | 30.01 | 1.83 |
| 07 42 63 00-0005 | SF | 4" 22 Gauge Freezer Panel Sheet Metal Both Faces | 35.97 | 1.83 |
| 07 42 63 00-0006 | SF | 5" 22 Gauge Freezer Panel Sheet Metal Both Faces | 39.02 | 1.95 |
| 07 42 63 00-0007 | SF | 6" 22 Gauge Freezer Panel Sheet Metal Both Faces | 41.48 | 1.95 |
| 07 42 63 00-0008 | SF | 2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) | 25.38 | 1.51 |
| 07 42 63 00-0009 | SF | 3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) | 27.73 | 1.51 |
| 07 42 63 00-0010 | SF | 4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) | 33.66 | 1.62 |
| 07 42 63 00-0011 | SF | 5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) | 32.58 | 1.62 |
| 07 42 63 00-0012 | SF | 6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) | 38.54 | 1.62 |
| 07 42 63 00-0013 | | Polyurethane Sandwich Panel *(07 42 63 00-0001)* | | |
| | | Note: With .040 aluminum baked enamel finish. | | |
| 07 42 63 00-0014 | SF | 2" Freezer Panel 0.040" Aluminum Finish Both Faces | 25.03 | 1.83 |
| 07 42 63 00-0015 | SF | 3" Freezer Panel 0.040" Aluminum Finish Both Faces | 26.97 | 1.83 |
| 07 42 63 00-0016 | SF | 4" Freezer Panel 0.040" Aluminum Finish Both Faces | 31.93 | 1.83 |
| 07 42 63 00-0017 | SF | 5" Freezer Panel 0.040" Aluminum Finish Both Faces | 34.96 | 1.95 |
| 07 42 63 00-0018 | SF | 6" Freezer Panel 0.040" Aluminum Finish Both Faces | 37.03 | 1.95 |
| 07 42 63 00-0019 | SF | 2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) | 22.56 | 1.51 |
| 07 42 63 00-0020 | SF | 3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) | 24.51 | 1.51 |
| 07 42 63 00-0021 | SF | 4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) | 26.51 | 1.62 |
| 07 42 63 00-0022 | SF | 5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) | 31.47 | 1.62 |
| 07 42 63 00-0023 | SF | 6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) | 34.48 | 1.62 |
| **07 42 93** | | **Soffit Panels** *(07 42)* | | |
| 07 42 93 00-0001 | | Aluminum Soffit And Fascia *(07 42 93)* | | |
| | | Note: Excludes J-channel. | | |
| 07 42 93 00-0002 | LF | 6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit | 4.66 | 1.55 |
| | | *For 0.015" Thick, Deduct* | *-0.11* | |
| 07 42 93 00-0003 | LF | 10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit | 5.85 | 1.63 |
| | | *For 0.015" Thick, Deduct* | *-0.17* | |
| 07 42 93 00-0004 | LF | 1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit | 6.45 | 1.67 |
| | | *For 0.015" Thick, Deduct* | *-0.21* | |
| 07 42 93 00-0005 | LF | 1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit | 8.18 | 1.76 |
| | | *For 0.015" Thick, Deduct* | *-0.34* | |
| 07 42 93 00-0006 | LF | 2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit | 10.08 | 1.92 |
| | | *For 0.015" Thick, Deduct* | *-0.45* | |
| 07 42 93 00-0007 | LF | 3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit | 13.57 | 2.13 |
| | | *For 0.015" Thick, Deduct* | *-0.68* | |
| 07 42 93 00-0008 | LF | 4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit | 17.11 | 2.34 |
| | | *For 0.015" Thick, Deduct* | *-0.89* | |
| 07 42 93 00-0009 | LF | 5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit | 20.69 | 2.57 |
| | | *For 0.015" Thick, Deduct* | *-1.12* | |
| 07 42 93 00-0010 | LF | 4" Exposure, 0.024" Thick, Aluminum Fascia | 5.57 | 1.52 |
| 07 42 93 00-0011 | LF | 6" Exposure, 0.024" Thick, Aluminum Fascia | 6.12 | 1.55 |
| 07 42 93 00-0012 | LF | 8" Exposure, 0.024" Thick, Aluminum Fascia | 7.26 | 1.59 |
| 07 42 93 00-0013 | LF | 10" Exposure, 0.024" Thick, Aluminum Fascia | 8.48 | 1.63 |

## 07 46 Siding *(07 40)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 46 16** | | **Aluminum Siding** *(07 46)* | | |
| | | Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors. | | |
| 07 46 16 00-0001 | | Aluminum Coil Stock Cladding *(07 46 16)* | | |
| | | Note: Per SF of board, includes overlappage. | | |
| 07 46 16 00-0002 | SF | 0.016" Thick, Aluminum Clad Siding | 12.42 | 3.95 |
| 07 46 16 00-0003 | SF | 0.019" Thick, Aluminum Clad Siding | 12.59 | 3.95 |
| 07 46 16 00-0004 | SF | 0.024" Thick, Aluminum Clad Siding | 12.88 | 3.95 |
| 07 46 16 00-0005 | | Aluminum Siding Panels *(07 46 16)* | | |
| 07 46 16 00-0006 | | Corrugated Aluminum Siding Panels *(07 46 16 00-0005)* | | |
| | | Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish. | | |
| 07 46 16 00-0007 | SF | 0.019", Painted Finish, Corrugated Aluminum Siding Panel | 9.20 | 2.30 |
| 07 46 16 00-0008 | SF | 0.021", Painted Finish, Corrugated Aluminum Siding Panel | 9.61 | 2.30 |
| 07 46 16 00-0009 | SF | 0.024", Painted Finish, Corrugated Aluminum Siding Panel | 10.89 | 2.30 |
| 07 46 16 00-0010 | SF | 0.032", Painted Finish, Corrugated Aluminum Siding Panel | 13.40 | 2.30 |
| 07 46 16 00-0011 | | V- Beam Aluminum Siding Panels *(07 46 16 00-0005)* | | |
| | | Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish. | | |
| 07 46 16 00-0012 | SF | 0.032", Painted Finish, V- Beam Aluminum Siding Panel | 13.30 | 2.30 |
| 07 46 16 00-0013 | SF | 0.040", Painted Finish, V- Beam Aluminum Siding Panel | 14.98 | 2.30 |
| 07 46 16 00-0014 | SF | 0.050", Painted Finish, V- Beam Aluminum Siding Panel | 18.97 | 2.30 |
| 07 46 16 00-0015 | | Box Ribbed Aluminum Siding Panels *(07 46 16 00-0005)* | | |
| | | Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish. | | |
| 07 46 16 00-0016 | SF | 0.032", Painted Finish, Box Ribbed Aluminum Siding Panel | 14.04 | 2.30 |
| 07 46 16 00-0017 | SF | 0.040", Painted Finish, Box Ribbed Aluminum Siding Panel | 15.66 | 2.30 |
| 07 46 16 00-0018 | SF | 0.050", Painted Finish, Box Ribbed Aluminum Siding Panel | 16.66 | 2.30 |
| 07 46 16 00-0019 | | Aluminum Siding Accessories *(07 46 16)* | | |
| 07 46 16 00-0020 | LF | 3/8" Pocket, Aluminum J-Channel | 3.58 | 1.44 |
| 07 46 16 00-0021 | LF | 1/2" Pocket, Aluminum J-Channel | 3.58 | 1.44 |
| 07 46 16 00-0022 | LF | 3/4" Pocket, Aluminum J-Channel | 4.29 | 1.44 |
| 07 46 16 00-0023 | LF | 3/8" Pocket, Aluminum F-Channel | 4.00 | 1.44 |
| 07 46 16 00-0024 | LF | 1/2" Pocket, Aluminum F-Channel | 4.00 | 1.44 |
| **07 46 19** | | **Steel Siding** *(07 46)* | | |
| | | Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors. | | |
| 07 46 19 00-0001 | | Steel Siding Panels *(07 46 19)* | | |
| 07 46 19 00-0002 | | Corrugated Steel Siding Panels *(07 46 19 00-0001)* | | |
| | | Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish. | | |
| 07 46 19 00-0003 | SF | 20 Gauge, Painted Finish, Corrugated Steel Siding Panel | 13.25 | 2.30 |
| | | *For Galvanized Instead Of Painted Steel, Add* | *2.17* | |
| 07 46 19 00-0004 | SF | 22 Gauge, Painted Finish, Corrugated Steel Siding Panel | 12.14 | 2.30 |
| | | *For Galvanized Instead Of Painted Steel, Add* | *1.89* | |
| 07 46 19 00-0005 | SF | 24 Gauge, Painted Finish, Corrugated Steel Siding Panel | 11.86 | 2.30 |
| | | *For Galvanized Instead Of Painted Steel, Add* | *1.82* | |
| 07 46 19 00-0006 | SF | 26 Gauge, Painted Finish, Corrugated Steel Siding Panel | 8.56 | 2.30 |
| | | *For Galvanized Instead Of Painted Steel, Add* | *0.99* | |
| 07 46 19 00-0007 | SF | 28 Gauge, Painted Finish, Corrugated Steel Siding Panel | 8.33 | 2.30 |
| | | *For Galvanized Instead Of Painted Steel, Add* | *0.94* | |
| 07 46 19 00-0008 | SF | 30 Gauge, Painted Finish, Corrugated Steel Siding Panel | 8.17 | 2.30 |
| | | *For Galvanized Instead Of Painted Steel, Add* | *0.90* | |
| 07 46 19 00-0009 | | Box Ribbed Steel Siding Panels *(07 46 19 00-0001)* | | |
| | | Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish. | | |
| 07 46 19 00-0010 | SF | 20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel | 12.42 | 2.30 |
| | | *For Galvanized Instead Of Painted Steel, Add* | *1.96* | |
| 07 46 19 00-0011 | SF | 22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel | 11.91 | 2.30 |
| | | *For Galvanized Instead Of Painted Steel, Add* | *1.83* | |
| 07 46 19 00-0012 | SF | 24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel | 11.58 | 2.30 |
| | | *For Galvanized Instead Of Painted Steel, Add* | *1.75* | |
| 07 46 19 00-0013 | SF | 26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel | 11.02 | 2.30 |
| | | *For Galvanized Instead Of Painted Steel, Add* | *1.61* | |
| 07 46 19 00-0014 | SF | 28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel | 9.82 | 2.30 |
| | | *For Galvanized Instead Of Painted Steel, Add* | *1.31* | |
| 07 46 19 00-0015 | | Clapboard Steel Siding Panels *(07 46 19 00-0001)* | | |
| | | Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish. | | |
| 07 46 19 00-0016 | SF | 29 Gauge, Painted Finish, Clapboard Steel Siding Panel | 9.44 | 1.15 |
| **07 46 23** | | **Wood Siding** *(07 46)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| | | Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors. | | |
| 07 46 23 00-0001 | | Wood Lap Siding *(07 46 23)* | | |
| 07 46 23 00-0002 | LF | 8" Wide Rough Sawn Cedar Lap Siding | 4.21 | 1.60 |
| 07 46 23 00-0003 | LF | 10" Wide Rough Sawn Cedar Lap Siding | 4.76 | 1.71 |
| 07 46 23 00-0004 | LF | 12" Wide Rough Sawn Cedar Lap Siding | 5.33 | 1.82 |
| 07 46 23 00-0005 | LF | 6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade | 4.51 | 1.60 |
| 07 46 23 00-0006 | LF | 6" To 8" Wide Spruce Lap Siding, #2 Or Better | 5.03 | 1.60 |
| 07 46 23 00-0007 | LF | 6" To 8" Wide Western Red Cedar, B Grade Lap Siding | 6.14 | 1.60 |
| 07 46 23 00-0008 | LF | 6" To 8" Wide Western Red Cedar, A Grade Lap Siding | 6.57 | 1.60 |
| 07 46 23 00-0009 | LF | 6" To 8" Wide Clear Heart Redwood Lap Siding | 5.95 | 1.60 |
| 07 46 23 00-0010 | LF | 1" x 8" Cedar Round Or Flat Front Siding, Log Cabin | 4.18 | 1.71 |
| 07 46 23 00-0011 | LF | 1" x 8" Cedar Beveled Siding, Channel, Rustic | 4.18 | 1.71 |
| 07 46 23 00-0012 | | Tongue And Groove Siding *(07 46 23)* | | |
| 07 46 23 00-0013 | SF | 1" x 6" Tongue And Groove Southern Yellow Pine Siding | 4.21 | 1.60 |
| 07 46 23 00-0014 | SF | 1" x 8" Tongue And Groove Southern Yellow Pine Siding | 4.67 | 1.60 |
| 07 46 23 00-0015 | SF | 1" x 6" 105 Southern Yellow Pine Siding | 4.32 | 1.60 |
| 07 46 23 00-0016 | SF | 1" x 8" 105 Southern Yellow Pine Siding | 4.94 | 1.60 |
| **07 46 29** | | **Plywood Siding** *(07 46)* | | |
| | | Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors. | | |
| 07 46 29 00-0001 | | T-111 Siding *(07 46 29)* | | |
| 07 46 29 00-0002 | SF | 5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud | 3.02 | 0.78 |
| | | *For Pressure Treated, Add* | *0.18* | |
| **07 46 33** | | **Plastic Siding** *(07 46)* | | |
| | | Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors. | | |
| 07 46 33 00-0001 | | Vinyl Siding *(07 46 33)* | | |
| | | Note: Includes standard manufacturer's colors. | | |
| 07 46 33 00-0002 | | Vinyl Siding Panels *(07 46 33 00-0001)* | | |
| | | Note: Excludes J-channels, starter strips and trim. | | |
| 07 46 33 00-0003 | | Horizontal Vinyl Siding Panels *(07 46 33 00-0002)* | | |
| | | Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles. | | |
| 07 46 33 00-0004 | SF | 7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel | 5.09 | 1.89 |
| | | *For 0.040" Thick, Deduct* | *-0.19* | |
| | | *For 0.042" Thick, Deduct* | *-0.08* | |
| | | *For 0.046" Thick, Add* | *0.94* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.07* | |
| 07 46 33 00-0005 | SF | 8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel | 4.87 | 1.78 |
| | | *For 0.040" Thick, Deduct* | *-0.19* | |
| | | *For 0.042" Thick, Deduct* | *-0.08* | |
| | | *For 0.046" Thick, Add* | *0.94* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.07* | |
| 07 46 33 00-0006 | SF | 9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel | 4.71 | 1.70 |
| | | *For 0.040" Thick, Deduct* | *-0.19* | |
| | | *For 0.042" Thick, Deduct* | *-0.08* | |
| | | *For 0.046" Thick, Add* | *0.94* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.07* | |
| 07 46 33 00-0007 | SF | 10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel | 4.53 | 1.62 |
| | | *For 0.040" Thick, Deduct* | *-0.19* | |
| | | *For 0.042" Thick, Deduct* | *-0.08* | |
| | | *For 0.046" Thick, Add* | *0.94* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.07* | |
| 07 46 33 00-0008 | SF | 12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel | 4.31 | 1.51 |
| | | *For 0.040" Thick, Deduct* | *-0.19* | |
| | | *For 0.042" Thick, Deduct* | *-0.08* | |
| | | *For 0.046" Thick, Add* | *0.94* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.07* | |
| 07 46 33 00-0009 | | Vertical Vinyl Siding Panels *(07 46 33 00-0002)* | | |
| 07 46 33 00-0010 | SF | 7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel | 6.11 | 1.89 |
| | | *For Manufacturer's Custom Colors, Add* | *0.12* | |
| 07 46 33 00-0011 | | Vinyl Siding Accessories *(07 46 33 00-0001)* | | |
| 07 46 33 00-0012 | LF | 3/4" Pocket, Outside Corner Post For Vinyl Siding | 6.23 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.17* | |
| 07 46 33 00-0013 | LF | 1-1/8" Pocket, Outside Corner Post For Vinyl Siding | 11.34 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.42* | |
| 07 46 33 00-0014 | LF | 3/4" Pocket, Inside Corner Post For Vinyl Siding | 4.95 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.10* | |
| 07 46 33 00-0015 | LF | 1-1/8" Pocket, Inside Corner Post For Vinyl Siding | 6.03 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.16* | |
| 07 46 33 00-0016 | LF | 3/8" Pocket, J-Channel For Vinyl Siding | 3.69 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.05* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 46 33 00-0017 | LF | 1/2" Pocket, J-Channel For Vinyl Siding | 3.45 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.04* | |
| 07 46 33 00-0018 | LF | 5/8" Pocket, J-Channel For Vinyl Siding | 3.40 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.04* | |
| 07 46 33 00-0019 | LF | 3/4" Pocket, J-Channel For Vinyl Siding | 3.56 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.04* | |
| 07 46 33 00-0020 | LF | 1" Pocket, J-Channel For Vinyl Siding | 4.21 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.07* | |
| 07 46 33 00-0021 | LF | 1-1/4" Pocket, J-Channel For Vinyl Siding | 4.58 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.08* | |
| 07 46 33 00-0022 | LF | 2-1/2" Pocket, J-Channel For Vinyl Siding | 5.14 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.08* | |
| 07 46 33 00-0023 | LF | 1/2" Pocket, F-Channel For Vinyl Siding | 3.50 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.06* | |
| 07 46 33 00-0024 | LF | 3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding | 7.95 | 2.00 |
| | | *For Manufacturer's Custom Colors, Add* | *0.20* | |
| 07 46 33 00-0025 | LF | 3/4" Pocket, 5" Lineal Trim For Vinyl Siding | 8.30 | 2.00 |
| | | *For Manufacturer's Custom Colors, Add* | *0.21* | |
| 07 46 33 00-0026 | LF | 1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding | 9.10 | 2.00 |
| | | *For Manufacturer's Custom Colors, Add* | *0.25* | |
| 07 46 33 00-0027 | LF | 3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding | 4.74 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.09* | |
| 07 46 33 00-0028 | LF | Vinyl Starter Strip For Vinyl Siding | 5.87 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.15* | |
| 07 46 33 00-0029 | LF | Undersill Trim For Vinyl Siding | 5.06 | 1.44 |
| | | *For Manufacturer's Custom Colors, Add* | *0.11* | |
| **07 46 33 00-0030** | | **Vinyl Soffit And Fascia** *(07 46 33 00-0001)* | | |
| | | Note: Excludes J-channel. | | |
| 07 46 33 00-0031 | LF | 6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit | 4.30 | 1.55 |
| | | *For 0.038" Thick, Deduct* | *-0.55* | |
| | | *For 0.040" Thick, Deduct* | *-0.46* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.06* | |
| 07 46 33 00-0032 | LF | 10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit | 5.27 | 1.63 |
| | | *For 0.038" Thick, Deduct* | *-0.92* | |
| | | *For 0.040" Thick, Deduct* | *-0.77* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.10* | |
| 07 46 33 00-0033 | LF | 1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit | 5.75 | 1.67 |
| | | *For 0.038" Thick, Deduct* | *-1.09* | |
| | | *For 0.040" Thick, Deduct* | *-0.91* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.12* | |
| 07 46 33 00-0034 | LF | 1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit | 7.12 | 1.76 |
| | | *For 0.038" Thick, Deduct* | *-1.66* | |
| | | *For 0.040" Thick, Deduct* | *-1.39* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.18* | |
| 07 46 33 00-0035 | LF | 2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit | 8.68 | 1.92 |
| | | *For 0.038" Thick, Deduct* | *-2.21* | |
| | | *For 0.040" Thick, Deduct* | *-1.84* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.24* | |
| 07 46 33 00-0036 | LF | 3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit | 11.46 | 2.13 |
| | | *For 0.038" Thick, Deduct* | *-3.32* | |
| | | *For 0.040" Thick, Deduct* | *-2.78* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.36* | |
| 07 46 33 00-0037 | LF | 4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit | 14.29 | 2.34 |
| | | *For 0.038" Thick, Deduct* | *-4.41* | |
| | | *For 0.040" Thick, Deduct* | *-3.71* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.48* | |
| 07 46 33 00-0038 | LF | 5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit | 17.17 | 2.57 |
| | | *For 0.038" Thick, Deduct* | *-5.53* | |
| | | *For 0.040" Thick, Deduct* | *-4.64* | |
| | | *For Manufacturer's Custom Colors, Add* | *0.60* | |
| 07 46 33 00-0039 | LF | 4" Exposure, Vinyl Fascia | 4.48 | 1.52 |
| | | *For Manufacturer's Custom Colors, Add* | *0.07* | |
| 07 46 33 00-0040 | LF | 6" Exposure, Vinyl Fascia | 4.97 | 1.55 |
| | | *For Manufacturer's Custom Colors, Add* | *0.09* | |
| 07 46 33 00-0041 | LF | 8" Exposure, Vinyl Fascia | 4.92 | 1.59 |
| | | *For Manufacturer's Custom Colors, Add* | *0.09* | |
| 07 46 33 00-0042 | LF | 10" Exposure, Vinyl Fascia | 5.62 | 1.63 |
| | | *For Manufacturer's Custom Colors, Add* | *0.12* | |
| **07 46 33 00-0043** | | **Fiberglass Siding** *(07 46 33)* | | |
| **07 46 33 00-0044** | | **Corrugated Panels** *(07 46 33 00-0043)* | | |
| 07 46 33 00-0045 | SF | 6 Ounce Corrugated Fiberglass Panels | 7.25 | 2.23 |
| 07 46 33 00-0046 | SF | 8 Ounce Corrugated Fiberglass Panels | 7.76 | 2.00 |
| 07 46 33 00-0047 | SF | 12 Ounce Corrugated Fiberglass Panels | 8.69 | 2.00 |
| **07 46 33 00-0048** | | **Flat Panels** *(07 46 33 00-0043)* | | |
| 07 46 33 00-0049 | SF | 6 Ounce Flat Fiberglass Panels | 6.92 | 2.00 |
| 07 46 33 00-0050 | SF | 8 Ounce Flat Fiberglass Panels | 7.76 | 2.00 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 46 46** | | **Fiber-Cement Siding** *(07 46)* | | |
| | | Note: Smooth or patterns. Includes sealer and primer. | | |
| 07 46 46 00-0001 | | 5/16" Thick, Fiber Cement Lap Siding *(07 46 46)* | | |
| 07 46 46 00-0002 | SF | 5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding | 6.83 | 2.34 |
| 07 46 46 00-0003 | SF | 6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding | 6.50 | 2.23 |
| 07 46 46 00-0004 | SF | 7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding | 6.36 | 2.17 |
| 07 46 46 00-0005 | SF | 8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding | 6.21 | 2.12 |
| 07 46 46 00-0006 | SF | 9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding | 5.95 | 2.00 |
| 07 46 46 00-0007 | SF | 12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding | 5.67 | 1.89 |
| 07 46 46 00-0008 | LF | Starter Strip, Fiber Cement Lap Siding | 1.49 | 0.56 |
| 07 46 46 00-0009 | | Fiber Cement Shingle Siding *(07 46 46)* | | |
| 07 46 46 00-0010 | SF | Fiber Cement Shingle Siding | 10.73 | 2.05 |
| 07 46 46 00-0011 | | Fiber Cement Vertical Panel Siding *(07 46 46)* | | |
| 07 46 46 00-0012 | SF | Fiber Cement Vertical Panel Siding | 5.04 | 1.67 |
| 07 46 46 00-0013 | | Fiber Cement Trim Boards *(07 46 46)* | | |
| 07 46 46 00-0014 | | 7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)* | | |
| 07 46 46 00-0015 | LF | 4" Wide, 7/16" Thick, Fiber Cement Trim Board | 3.28 | 1.11 |
| 07 46 46 00-0016 | LF | 6" Wide, 7/16" Thick, Fiber Cement Trim Board | 4.20 | 1.22 |
| 07 46 46 00-0017 | LF | 8" Wide, 7/16" Thick, Fiber Cement Trim Board | 5.08 | 1.33 |
| 07 46 46 00-0018 | LF | 12" Wide, 7/16" Thick, Fiber Cement Trim Board | 6.70 | 1.56 |
| 07 46 46 00-0019 | | 3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)* | | |
| 07 46 46 00-0020 | LF | 4" Wide, 3/4" Thick, Fiber Cement Trim Board | 3.46 | 1.11 |
| 07 46 46 00-0021 | LF | 6" Wide, 3/4" Thick, Fiber Cement Trim Board | 4.46 | 1.22 |
| 07 46 46 00-0022 | LF | 8" Wide, 3/4" Thick, Fiber Cement Trim Board | 5.52 | 1.33 |
| 07 46 46 00-0023 | LF | 12" Wide, 3/4" Thick, Fiber Cement Trim Board | 5.74 | 1.56 |
| 07 46 46 00-0024 | | 1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)* | | |
| 07 46 46 00-0025 | LF | 4" Wide, 1" Thick, Fiber Cement Trim Board | 3.67 | 1.11 |
| 07 46 46 00-0026 | LF | 6" Wide, 1" Thick, Fiber Cement Trim Board | 4.86 | 1.22 |
| 07 46 46 00-0027 | LF | 8" Wide, 1" Thick, Fiber Cement Trim Board | 6.09 | 1.33 |
| 07 46 46 00-0028 | LF | 12" Wide, 1" Thick, Fiber Cement Trim Board | 8.15 | 1.56 |
| 07 46 46 00-0029 | | Fiber Cement Fascia Board *(07 46 46)* | | |
| 07 46 46 00-0030 | LF | 5/4" x 3-1/2" Fiber Cement Fascia Board | 5.76 | 2.20 |
| 07 46 46 00-0031 | LF | 5/4" x 5-1/2" Fiber Cement Fascia Board | 7.04 | 2.45 |
| 07 46 46 00-0032 | LF | 5/4" x 7-1/4" Fiber Cement Fascia Board | 7.72 | 2.45 |
| 07 46 46 00-0033 | LF | 5/4" x 11-1/4" Fiber Cement Fascia Board | 10.05 | 2.88 |
| 07 46 46 00-0034 | | Fiber Cement Soffit Boards *(07 46 46)* | | |
| 07 46 46 00-0035 | SF | 1/4" Thick, Non-Vented Fiber Cement Soffit | 7.32 | 1.59 |
| 07 46 46 00-0036 | SF | 1/4" Thick, Vented Fiber Cement Soffit | 7.86 | 1.59 |
| **07 46 63** | | **Fabricated Panel Assemblies with Siding** *(07 46)* | | |
| 07 46 63 00-0001 | | Metal Liner Panels *(07 46 63)* | | |
| 07 46 63 00-0002 | | Galvanized Metal Liner Panels *(07 46 63 00-0001)* | | |
| 07 46 63 00-0003 | SF | 24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel | 10.52 | 1.91 |
| 07 46 63 00-0004 | SF | 22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel | 11.59 | 1.91 |
| 07 46 63 00-0005 | SF | 20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel | 13.48 | 1.91 |
| 07 46 63 00-0006 | SF | 18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel | 13.67 | 1.91 |

## 07 50 Membrane Roofing *(07)*

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

## 07 51 Built-Up Bituminous Roofing *(07 50)*

### 07 51 13 Built-Up Asphalt Roofing *(07 51)*

07 51 13 00-0001 Built-Up Asphalt Roofing Components *(07 51 13)*

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 51 13 00-0003 | | Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)* | | |
| | | Note: Includes applying cold adhesive and embedding the membrane. | | |
| 07 51 13 00-0004 | | Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)* | | |
| 07 51 13 00-0005 | SQ | Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied | 119.01 | |
| | | *For Up To 10, Add* | *31.92* | |
| | | *For >10 To 20, Add* | *17.99* | |
| | | *For >20 To 40, Add* | *10.01* | |
| | | *For >75 To 100, Deduct* | *-5.01* | |
| | | *For >100 To 200, Deduct* | *-11.03* | |
| | | *For >200, Deduct* | *-16.03* | |
| 07 51 13 00-0006 | SQ | Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied | 323.37 | |
| | | *For Up To 10, Add* | *72.79* | |
| | | *For >10 To 20, Add* | *38.43* | |
| | | *For >20 To 40, Add* | *20.23* | |
| | | *For >75 To 100, Deduct* | *-10.11* | |
| | | *For >100 To 200, Deduct* | *-21.24* | |
| | | *For >200, Deduct* | *-31.36* | |
| 07 51 13 00-0007 | | Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)* | | |
| 07 51 13 00-0008 | SF | Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied | 7.85 | |
| 07 51 13 00-0009 | | Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)* | | |
| | | Note: Includes mopping hot asphalt and embedding the membrane. | | |
| 07 51 13 00-0010 | | Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)* | | |
| 07 51 13 00-0011 | SQ | Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped | 88.51 | |
| | | *For Up To 10, Add* | *25.95* | |
| | | *For >10 To 20, Add* | *15.03* | |
| | | *For >20 To 40, Add* | *8.55* | |
| | | *For >75 To 100, Deduct* | *-4.27* | |
| | | *For >100 To 200, Deduct* | *-9.58* | |
| | | *For >200, Deduct* | *-13.85* | |
| 07 51 13 00-0012 | SQ | Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped | 94.34 | |
| | | *For Up To 10, Add* | *27.11* | |
| | | *For >10 To 20, Add* | *15.62* | |
| | | *For >20 To 40, Add* | *8.84* | |
| | | *For >75 To 100, Deduct* | *-4.42* | |
| | | *For >100 To 200, Deduct* | *-9.87* | |
| | | *For >200, Deduct* | *-14.29* | |
| 07 51 13 00-0013 | SQ | Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped | 100.96 | |
| | | *For Up To 10, Add* | *28.44* | |
| | | *For >10 To 20, Add* | *16.28* | |
| | | *For >20 To 40, Add* | *9.17* | |
| | | *For >75 To 100, Deduct* | *-4.59* | |
| | | *For >100 To 200, Deduct* | *-10.20* | |
| | | *For >200, Deduct* | *-14.79* | |
| 07 51 13 00-0014 | SQ | Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped | 174.39 | |
| | | *For Up To 10, Add* | *43.12* | |
| | | *For >10 To 20, Add* | *23.62* | |
| | | *For >20 To 40, Add* | *12.84* | |
| | | *For >75 To 100, Deduct* | *-6.42* | |
| | | *For >100 To 200, Deduct* | *-13.87* | |
| | | *For >200, Deduct* | *-20.29* | |
| 07 51 13 00-0015 | SQ | Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped | 292.87 | |
| | | *For Up To 10, Add* | *66.82* | |
| | | *For >10 To 20, Add* | *35.47* | |
| | | *For >20 To 40, Add* | *18.77* | |
| | | *For >75 To 100, Deduct* | *-9.38* | |
| | | *For >100 To 200, Deduct* | *-19.80* | |
| | | *For >200, Deduct* | *-29.18* | |
| 07 51 13 00-0016 | SQ | Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped | 223.11 | |
| | | *For Up To 10, Add* | *53.65* | |
| | | *For >10 To 20, Add* | *29.08* | |
| | | *For >20 To 40, Add* | *15.67* | |
| | | *For >75 To 100, Deduct* | *-7.83* | |
| | | *For >100 To 200, Deduct* | *-16.80* | |
| | | *For >200, Deduct* | *-24.63* | |
| 07 51 13 00-0017 | | Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)* | | |
| 07 51 13 00-0018 | SF | Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped | 5.07 | |
| 07 51 13 00-0019 | | Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)* | | |
| | | Note: Includes fasteners. | | |
| 07 51 13 00-0020 | | Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 51 13 00-0021 | SQ | Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened | 91.28 | |
| | | *For Up To 10, Add* | *22.31* | |
| | | *For >10 To 20, Add* | *12.17* | |
| | | *For >20 To 40, Add* | *6.59* | |
| | | *For >75 To 100, Deduct* | *-3.30* | |
| | | *For >100 To 200, Deduct* | *-7.10* | |
| | | *For >200, Deduct* | *-10.40* | |
| 07 51 13 00-0022 | SQ | Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened | 171.34 | |
| | | *For Up To 10, Add* | *38.32* | |
| | | *For >10 To 20, Add* | *20.18* | |
| | | *For >20 To 40, Add* | *10.60* | |
| | | *For >75 To 100, Deduct* | *-5.30* | |
| | | *For >100 To 200, Deduct* | *-11.10* | |
| | | *For >200, Deduct* | *-16.40* | |
| 07 51 13 00-0023 | SQ | Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened | 289.82 | |
| | | *For Up To 10, Add* | *62.02* | |
| | | *For >10 To 20, Add* | *32.02* | |
| | | *For >20 To 40, Add* | *16.52* | |
| | | *For >75 To 100, Deduct* | *-8.26* | |
| | | *For >100 To 200, Deduct* | *-17.03* | |
| | | *For >200, Deduct* | *-25.29* | |

### 07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0019)*

| | | | | |
|---|---|---|---|---|
| 07 51 13 00-0025 | SF | Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened | 6.10 | |

### 07 51 13 00-0026 Asphalt Saturated Organic Felt *(07 51 13 00-0001)*

### 07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes applying cold adhesive and embedding the felt.

| | | | | |
|---|---|---|---|---|
| 07 51 13 00-0028 | SQ | 15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied | 115.37 | |
| | | *For Up To 10, Add* | *31.19* | |
| | | *For >10 To 20, Add* | *17.63* | |
| | | *For >20 To 40, Add* | *9.83* | |
| | | *For >75 To 100, Deduct* | *-4.91* | |
| | | *For >100 To 200, Deduct* | *-10.84* | |
| | | *For >200, Deduct* | *-15.76* | |
| 07 51 13 00-0029 | SQ | 30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied | 130.39 | |
| | | *For Up To 10, Add* | *34.20* | |
| | | *For >10 To 20, Add* | *19.13* | |
| | | *For >20 To 40, Add* | *10.58* | |
| | | *For >75 To 100, Deduct* | *-5.29* | |
| | | *For >100 To 200, Deduct* | *-11.59* | |
| | | *For >200, Deduct* | *-16.88* | |

### 07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes mopping hot asphalt and embedding the felt.

| | | | | |
|---|---|---|---|---|
| 07 51 13 00-0031 | SQ | 15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped | 84.87 | |
| | | *For Up To 10, Add* | *25.22* | |
| | | *For >10 To 20, Add* | *14.67* | |
| | | *For >20 To 40, Add* | *8.37* | |
| | | *For >75 To 100, Deduct* | *-4.18* | |
| | | *For >100 To 200, Deduct* | *-9.40* | |
| | | *For >200, Deduct* | *-13.58* | |
| 07 51 13 00-0032 | SQ | 30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped | 99.89 | |
| | | *For Up To 10, Add* | *28.22* | |
| | | *For >10 To 20, Add* | *16.17* | |
| | | *For >20 To 40, Add* | *9.12* | |
| | | *For >75 To 100, Deduct* | *-4.56* | |
| | | *For >100 To 200, Deduct* | *-10.15* | |
| | | *For >200, Deduct* | *-14.71* | |

### 07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes fasteners.

| | | | | |
|---|---|---|---|---|
| 07 51 13 00-0034 | SQ | 15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened | 42.65 | |
| | | *For Up To 10, Add* | *12.59* | |
| | | *For >10 To 20, Add* | *7.31* | |
| | | *For >20 To 40, Add* | *4.16* | |
| | | *For >75 To 100, Deduct* | *-2.08* | |
| | | *For >100 To 200, Deduct* | *-4.67* | |
| | | *For >200, Deduct* | *-6.75* | |
| 07 51 13 00-0035 | SQ | 30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened | 57.67 | |
| | | *For Up To 10, Add* | *15.59* | |
| | | *For >10 To 20, Add* | *8.81* | |
| | | *For >20 To 40, Add* | *4.91* | |
| | | *For >75 To 100, Deduct* | *-2.46* | |
| | | *For >100 To 200, Deduct* | *-5.42* | |
| | | *For >200, Deduct* | *-7.87* | |

### 07 51 13 00-0036 Surfacing *(07 51 13 00-0001)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 51 13 00-0037 | SQ | 400 Lb./SQ, Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat | 189.47 | |
| | | *For Up To 10, Add* | *58.20* | |
| | | *For >10 To 20, Add* | *34.17* | |
| | | *For >20 To 40, Add* | *19.62* | |
| | | *For >75 To 100, Deduct* | *-9.81* | |
| | | *For >100 To 200, Deduct* | *-22.16* | |
| | | *For >200, Deduct* | *-31.97* | |
| 07 51 13 00-0038 | SQ | 400 Lb./SQ, Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat | 277.90 | |
| | | *For Up To 10, Add* | *75.88* | |
| | | *For >10 To 20, Add* | *43.02* | |
| | | *For >20 To 40, Add* | *24.05* | |
| | | *For >75 To 100, Deduct* | *-12.02* | |
| | | *For >100 To 200, Deduct* | *-26.58* | |
| | | *For >200, Deduct* | *-38.61* | |
| 07 51 13 00-0039 | CY | Gravel Roofing Ballast, Spread To Desired Thickness<br>Note: Excludes hot asphalt or cold adhesive. | 200.84 | |
| 07 51 13 00-0040 | SQ | Protective Polypropylene Fabric Mat, Loose Laid<br>Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems. | 55.18 | |
| | | *For Up To 10, Add* | *13.72* | |
| | | *For >10 To 20, Add* | *7.53* | |
| | | *For >20 To 40, Add* | *4.10* | |
| | | *For >75 To 100, Deduct* | *-2.05* | |
| | | *For >100 To 200, Deduct* | *-4.43* | |
| | | *For >200, Deduct* | *-6.48* | |
| 07 51 13 00-0041 | SQ | Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat<br>Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs. | 133.09 | |
| | | *For Up To 10, Add* | *31.49* | |
| | | *For >10 To 20, Add* | *16.96* | |
| | | *For >20 To 40, Add* | *9.09* | |
| | | *For >75 To 100, Deduct* | *-4.55* | |
| | | *For >100 To 200, Deduct* | *-9.70* | |
| | | *For >200, Deduct* | *-14.24* | |
| 07 51 13 00-0042 | SQ | Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat<br>Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs. | 118.46 | |
| | | *For Up To 10, Add* | *28.56* | |
| | | *For >10 To 20, Add* | *15.50* | |
| | | *For >20 To 40, Add* | *8.36* | |
| | | *For >75 To 100, Deduct* | *-4.18* | |
| | | *For >100 To 200, Deduct* | *-8.97* | |
| | | *For >200, Deduct* | *-13.15* | |
| 07 51 13 00-0043 | SQ | Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat<br>Note: Reflective coating for use over smooth-surfaced built-up roofs. | 158.37 | |
| | | *For Up To 10, Add* | *36.55* | |
| | | *For >10 To 20, Add* | *19.49* | |
| | | *For >20 To 40, Add* | *10.35* | |
| | | *For >75 To 100, Deduct* | *-5.18* | |
| | | *For >100 To 200, Deduct* | *-10.96* | |
| | | *For >200, Deduct* | *-16.14* | |
| 07 51 13 00-0044 | SQ | 100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat<br>Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems. | 159.67 | |
| | | *For Up To 10, Add* | *36.81* | |
| | | *For >10 To 20, Add* | *19.62* | |
| | | *For >20 To 40, Add* | *10.42* | |
| | | *For >75 To 100, Deduct* | *-5.21* | |
| | | *For >100 To 200, Deduct* | *-11.03* | |
| | | *For >200, Deduct* | *-16.24* | |
| | | *For Installation Over Granule Surfaced Asphalt Roof Systems, Add* | *47.09* | |
| 07 51 13 00-0045 | SQ | 100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat<br>Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems. | 165.05 | |
| | | *For Up To 10, Add* | *37.88* | |
| | | *For >10 To 20, Add* | *20.16* | |
| | | *For >20 To 40, Add* | *10.69* | |
| | | *For >75 To 100, Deduct* | *-5.34* | |
| | | *For >100 To 200, Deduct* | *-11.30* | |
| | | *For >200, Deduct* | *-16.64* | |
| | | *For Installation Over Granule Surfaced Asphalt Roof Systems, Add* | *48.86* | |
| 07 51 13 00-0046 | SF | Ceramic Coated Roofing Granules, Hand Broadcast<br>Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc. | 2.69 | |
| 07 51 13 00-0047 | SF | Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast<br>Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc. | 4.76 | |
| 07 51 13 00-0048 | SQ | Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™) | 43.38 | |

## 07 51 13 00-0049 Walkway Pads *(07 51 13 00-0001)*

Note: Set in hot asphalt or cold adhesive.

| | | | | |
|---|---|---|---|---|
| 07 51 13 00-0050 | LF | 5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad | 33.30 | |
| 07 51 13 00-0051 | LF | 1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad | 39.60 | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 51 13 00-0052** | | **Cant And Tapered Edge Strips** *(07 51 13 00-0001)* | | |
| 07 51 13 00-0053 | LF | 2" x 2" Perlite Cant Strip | 4.84 | |
| 07 51 13 00-0054 | LF | 3" x 3" Perlite Cant Strip | 4.98 | |
| 07 51 13 00-0055 | LF | 4" x 4" Perlite Cant Strip | 5.67 | |
| 07 51 13 00-0056 | LF | 3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally | 4.58 | |
| 07 51 13 00-0057 | LF | 4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally | 4.69 | |
| 07 51 13 00-0058 | LF | 1/2" x 6" Perlite Tapered Edge Strip | 5.42 | |
| 07 51 13 00-0059 | LF | 1/2" x 12" Perlite Tapered Edge Strip | 6.21 | |
| 07 51 13 00-0060 | LF | 1" x 12" Perlite Tapered Edge Strip | 6.42 | |
| 07 51 13 00-0061 | LF | 1" x 24" Perlite Tapered Edge Strip | 7.24 | |
| 07 51 13 00-0062 | LF | 1-1/2" x 12" Perlite Tapered Edge Strip | 7.16 | |
| 07 51 13 00-0063 | LF | 1-1/2" x 18" Perlite Tapered Edge Strip | 8.65 | |
| 07 51 13 00-0064 | LF | 1-1/2" x 24" Perlite Tapered Edge Strip | 9.73 | |
| **07 51 13 00-0065** | | **Asphalt Primer** *(07 51 13 00-0001)* | | |
| 07 51 13 00-0066 | SQ | Asphalt Primer For Roofing Systems<br>Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces. | 40.36 | |
| **07 51 13 00-0067** | | **Demolish Built-Up Roofing** *(07 51 13 00-0001)*<br>Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling. | | |
| 07 51 13 00-0068 | SQ | Demolish Gravel/Slag Surfaced, Built Up Roofing System | | 426.34 |
| | | *For Up To 10, Add* | | *105.84* |
| | | *For >10 To 25, Add* | | *63.50* |
| 07 51 13 00-0069 | SQ | Demolish Cap Sheet Surfaced, Built Up Roofing System<br>Note: Includes protective surfacing. | | 328.90 |
| | | *For Up To 10, Add* | | *81.65* |
| | | *For >10 To 25, Add* | | *48.99* |
| **07 51 13 00-0070** | | **Roofing System Warranty** *(07 51 13 00-0001)*<br>Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor. | | |
| 07 51 13 00-0071 | EA | Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty | 653.66 | |
| 07 51 13 00-0072 | SQ | >50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty | 9.34 | |
| 07 51 13 00-0073 | EA | Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty | 747.04 | |
| 07 51 13 00-0074 | SQ | >50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty | 14.94 | |
| 07 51 13 00-0075 | EA | Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty | 1,027.18 | |
| 07 51 13 00-0076 | SQ | >50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty | 20.54 | |
| **07 51 13 00-0077** | | **Built-Up Roofing Components (Tremco)** *(07 51 13)*<br>Note: All tasks presented as a single layer. Adhesives are priced separately. | | |
| **07 51 13 00-0078** | | **Cold Applied BUR Base Plies And Ply Sheets** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0079 | SQ | BURmastic Composite Ply, Cold Applied BUR Component<br>Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet. | 150.44 | |
| 07 51 13 00-0080 | SQ | BURmastic Premium Composite Ply, Cold Applied BUR Component<br>Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet. | 182.40 | |
| 07 51 13 00-0081 | SQ | BURmastic Supreme Composite Ply, Cold Applied BUR Component<br>Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet. | 209.85 | |
| 07 51 13 00-0082 | SQ | 28 Lb. BURmastic Glass Ply, Cold Applied BUR Component<br>Note: Asphalt coated fiberglass base or ply sheet. Type II. | 47.79 | |
| 07 51 13 00-0083 | SQ | 33 Lb. BURmastic Glass Ply, Cold Applied BUR Component<br>Note: Asphalt coated fiberglass base or ply sheet. Type II. | 69.21 | |
| 07 51 13 00-0084 | SQ | POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component<br>Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil. | 286.90 | |
| 07 51 13 00-0085 | SQ | POWERply Modified Heavy-Duty Base Sheet, Hot Applied BUR Component<br>Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil. | 265.41 | |
| **07 51 13 00-0086** | | **Hot Or Cold Applied Modified Bitumen Cap Membrane** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0087 | SQ | POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component<br>Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply. | 162.64 | |
| 07 51 13 00-0088 | SQ | POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component<br>Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply. | 430.08 | |
| 07 51 13 00-0089 | SQ | POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component<br>Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply. | 711.13 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 51 13 00-0090 | SQ | POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component<br>Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface. | 190.09 | |
| 07 51 13 00-0091 | SQ | POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component<br>Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils. | 291.37 | |
| 07 51 13 00-0092 | SQ | POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component<br>Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface. | 705.72 | |
| 07 51 13 00-0093 | SQ | POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component<br>Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils. | 513.83 | |
| 07 51 13 00-0094 | SQ | POWERply HE FR Cap Sheet, Hot Applied BUR Component<br>Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils. | 509.04 | |
| **07 51 13 00-0095** | | **Self Adhesive Base Plies And Ply Sheets** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0096 | SQ | POWERply SA Base Sheet, Self Adhesive Roofing<br>Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils. | 295.63 | |
| 07 51 13 00-0097 | SQ | POWERply SA FR Membrane, Self Adhesive Roofing<br>Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils. | 585.94 | |
| **07 51 13 00-0098** | | **Flashings** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0099 | LF | 11-1/2" Hypalon Elastomeric Flashing<br>Note: 45 mils. | 18.36 | |
| 07 51 13 00-0100 | LF | 19" Hypalon Elastomeric Flashing<br>Note: 45 mils. | 29.79 | |
| 07 51 13 00-0101 | LF | 25" Hypalon Elastomeric Flashing<br>Note: 45 mils. | 39.56 | |
| 07 51 13 00-0102 | LF | 38" Hypalon Elastomeric Flashing<br>Note: 45 mils. | 58.05 | |
| 07 51 13 00-0103 | LF | 60-1/2" Hypalon Elastomeric Flashing<br>Note: 45 mils. | 95.59 | |
| 07 51 13 00-0104 | LF | 12" TRA Elastomeric Flashing Membrane<br>Note: Polyester reinforced flashing membrane. 45 mils. | 14.56 | |
| 07 51 13 00-0105 | LF | 18" TRA Elastomeric Flashing Membrane<br>Note: Polyester reinforced flashing membrane. 45 mils. | 23.70 | |
| 07 51 13 00-0106 | LF | 24" TRA Elastomeric Flashing Membrane<br>Note: Polyester reinforced flashing membrane. 45 mils. | 31.58 | |
| 07 51 13 00-0107 | LF | 36" TRA Elastomeric Flashing Membrane<br>Note: Polyester reinforced flashing membrane. 45 mils. | 46.17 | |
| 07 51 13 00-0108 | LF | 60" TRA Elastomeric Flashing Membrane<br>Note: Polyester reinforced flashing membrane. 45 mils. | 77.71 | |
| 07 51 13 00-0109 | LF | 4" BURmesh Fabric<br>Note: Glass membrane for reinforcement or repair of roof membranes and flashings. | 4.12 | |
| 07 51 13 00-0110 | LF | 6" BURmesh Fabric<br>Note: Glass membrane for reinforcement or repair of roof membranes and flashings. | 4.30 | |
| 07 51 13 00-0111 | LF | 12" BURmesh Fabric<br>Note: Glass membrane for reinforcement or repair of roof membranes and flashings. | 6.06 | |
| 07 51 13 00-0112 | LF | 36" BURmesh Fabric<br>Note: Glass membrane for reinforcement or repair of roof membranes and flashings. | 15.66 | |
| **07 51 13 00-0113** | | **Cold Applied Adhesives** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0114 | SQ | BURmastic Inter-Ply Cold Applied Adhesive | 184.03 | |
| 07 51 13 00-0115 | SQ | BURmastic Flood Coat Cold Applied Adhesive | 303.40 | |
| 07 51 13 00-0116 | SQ | BURmastic SF Inter-Ply Cold Applied Adhesive | 234.25 | |
| 07 51 13 00-0117 | SQ | BURmastic LV Inter-Ply Cold Applied Adhesive | 184.03 | |
| 07 51 13 00-0118 | SQ | POWERply Standard Inter-Ply Cold Applied Adhesive | 93.53 | |
| 07 51 13 00-0119 | SQ | POWERply Standard Flood Coat Cold Applied Adhesive | 207.60 | |
| 07 51 13 00-0120 | SQ | POWERply White On White Cold Applied Adhesive | 204.87 | |
| 07 51 13 00-0121 | SQ | Rock-It Cold Applied Adhesive For Gravel Applications | 570.03 | |
| 07 51 13 00-0122 | SQ | FAS-n-FREE Cold Applied Adhesive (Beads 12" OC)<br>Note: For insulation only. | 315.06 | |
| 07 51 13 00-0123 | SQ | ECOLastic Cold Applied Adhesive | 354.34 | |
| **07 51 13 00-0124** | | **Hot Applied Adhesives** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0125 | SQ | Premium III Asphalt Inter-Ply Hot Applied Adhesive | 66.68 | |
| 07 51 13 00-0126 | SQ | Premium III Asphalt Flood Coat Hot Applied Adhesive | 123.04 | |
| **07 51 13 00-0127** | | **Flashings Adhesives** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0128 | LF | Sheeting Bond Flashing Adhesive<br>Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes. | 22.54 | |
| 07 51 13 00-0129 | LF | Polyroof SF Flashing Mastic<br>Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals. | 29.73 | |
| 07 51 13 00-0130 | LF | ELS Flashing Mastic<br>Note: Used for repairing flashings and asphalt built-up roof defects. | 18.22 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 51 13 00-0131 | LF | TremSEAL D General Purpose Sealant | 6.95 | |
| 07 51 13 00-0132 | LF | TremSEAL HP High Performance Sealant | 7.14 | |
| 07 51 13 00-0133 | LF | TremSEAL S Silicone Sealant | 6.99 | |
| **07 51 13 00-0134** | | **Surfacing** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0135 | SQ | TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating | 274.06 | |
| 07 51 13 00-0136 | SQ | ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating | 613.14 | |
| 07 51 13 00-0137 | SQ | Polar Coat | 157.76 | |
| 07 51 13 00-0138 | SQ | Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating | 193.26 | |
| 07 51 13 00-0139 | SQ | Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls | 560.87 | |
| 07 51 13 00-0140 | SQ | Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls | 254.78 | |
| 07 51 13 00-0141 | SQ | 100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB) | 72.28 | |
| **07 51 13 00-0142** | | **Walkway Protection Pads** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0143 | LF | 36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®) | 35.68 | |
| **07 51 13 00-0144** | | **Primer** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0145 | SQ | TREMprime WB Primer<br>Note: Water based polymer modified asphalt primer. | 40.80 | |
| 07 51 13 00-0146 | SQ | Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating | 90.39 | |
| **07 51 13 00-0147** | | **Liquid Applied Roofing** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0148 | SQ | Trem-LAR LRM H Waterproofing (Horizontal)<br>Note: One part liquid applied elastomeric roofing membrane. 60 mils. | 466.38 | |
| 07 51 13 00-0149 | SQ | Trem-LAR LRM V Waterproofing (Vertical)<br>Note: One part liquid applied elastomeric roofing membrane. 60 mils. | 475.12 | |
| 07 51 13 00-0150 | SQ | AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces<br>Note: Two part liquid applied polyurethane roof coating. 48 mils. | 610.01 | |
| 07 51 13 00-0151 | SQ | AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces<br>Note: Two part liquid applied polyurethane roof coating. 64 mils. | 793.35 | |
| 07 51 13 00-0152 | SQ | AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating<br>Note: Two part liquid applied polyurethane roof coating. 32 mils. | 463.01 | |
| 07 51 13 00-0153 | SQ | AlphaGuard Glass Mat<br>Note: Reinforcement mat for AlphaGuard systems. | 88.97 | |
| 07 51 13 00-0154 | SQ | AlphaGuard C-Prime Primer<br>Note: 100% solids epoxy primer for concrete surfaces. | 90.49 | |
| 07 51 13 00-0155 | SQ | AlphaGuard M-Prime Primer<br>Note: Water based primer for metal and plastic surfaces. | 97.22 | |
| 07 51 13 00-0156 | SQ | Geogard Primer<br>Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings. | 71.80 | |
| 07 51 13 00-0157 | SQ | AlphaGuard Primer WB<br>Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems. | 64.64 | |
| **07 51 13 00-0158** | | **Atactic-Polypropylene (APP) Products** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0159 | SQ | POWERply Atactic-Polypropylene (APP) Base Sheet | 240.67 | |
| 07 51 13 00-0160 | SQ | POWERply Atactic-Polypropylene (APP) FR | 455.17 | |
| 07 51 13 00-0161 | SQ | POWERply Atactic-Polypropylene (APP) Smooth | 364.77 | |
| **07 51 13 00-0162** | | **Tri-Polymer Alloy (TPA) White Membrane** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0163 | SQ | 45 Mil Tri-Polymer Alloy (TPA) White Membrane | 639.64 | |
| 07 51 13 00-0164 | SQ | 60 Mil Tri-Polymer Alloy (TPA) White Membrane | 876.50 | |
| 07 51 13 00-0165 | SQ | 80 Mil Tri-Polymer Alloy (TPA) White Membrane | 995.50 | |
| **07 51 13 00-0166** | | **Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0167 | SQ | 45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane | 735.08 | |
| 07 51 13 00-0168 | SQ | 60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane | 901.22 | |
| 07 51 13 00-0169 | SQ | 80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane | 1,102.11 | |
| **07 51 13 00-0170** | | **Tri-Polymer Alloy (TPA) Membrane Accessories** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0171 | EA | >1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco) | 131.57 | |
| 07 51 13 00-0172 | EA | >4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco) | 149.42 | |
| 07 51 13 00-0173 | LF | 36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco) | 21.56 | |
| 07 51 13 00-0174 | SQ | Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco) | 74.83 | |
| **07 51 13 00-0175** | | **Thermoplastic Polyolefin (TPO) Polyester White Membrane** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0176 | SQ | 45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane | 344.40 | |
| 07 51 13 00-0177 | SQ | 60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane | 348.64 | |
| 07 51 13 00-0178 | SQ | 80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane | 620.38 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 51 13 00-0179** | | **Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0180 | SQ | 45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane | 399.87 | |
| 07 51 13 00-0181 | SQ | 60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane | 450.21 | |
| 07 51 13 00-0182 | SQ | 80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane | 654.31 | |
| **07 51 13 00-0183** | | **Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0184 | SQ | 45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510) | 1,071.38 | |
| **07 51 13 00-0185** | | **Single Ply Adhesives** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0186 | SQ | Low VOC, TPA Bonding Adhesive (Tremco) | 174.18 | |
| 07 51 13 00-0187 | SQ | Water Based, TPA Bonding Adhesive (Tremco) | 196.62 | |
| 07 51 13 00-0188 | SQ | Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco) | 170.93 | |
| 07 51 13 00-0189 | SQ | Low VOC, TPO Bonding Adhesive (Tremco) | 114.35 | |
| **07 51 13 00-0190** | | **Warranty (Tremco)** *(07 51 13 00-0077)* | | |
| 07 51 13 00-0191 | EA | Up To 10,000 SF 15 Year Roofing System Warranty | 1,500.00 | |
| 07 51 13 00-0192 | SF | >10,000 SF 15 Year Roofing System Warranty | 0.15 | |
| 07 51 13 00-0193 | EA | Up To 10,000 SF 20 Year Roofing System Warranty | 2,000.00 | |
| 07 51 13 00-0194 | SF | >10,000 SF 20 Year Roofing System Warranty | 0.20 | |
| **07 51 13 00-0195** | | **Built-Up Roofing Components (Garland)** *(07 51 13)*<br>Note: All tasks presented as a single layer. Adhesives are priced separately. | | |
| **07 51 13 00-0196** | | **Modified Cap Membranes** *(07 51 13 00-0195)*<br>See CSI section 07 51 13 00-0220 for base membrane. | | |
| **07 51 13 00-0197** | | **Modified Cap Membranes, Hot/Cold Applied** *(07 51 13 00-0196)*<br>Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty. | | |
| 07 51 13 00-0198 | SQ | Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil | 747.46 | |
| 07 51 13 00-0199 | SQ | Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil | 534.95 | |
| 07 51 13 00-0200 | SQ | Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil | 662.16 | |
| 07 51 13 00-0201 | SQ | Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials | 688.05 | |
| 07 51 13 00-0202 | SQ | Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil | 957.69 | |
| 07 51 13 00-0203 | SQ | Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil | 1,076.51 | |
| 07 51 13 00-0204 | SQ | Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil<br>Note: Low strength cap sheet for hot or cold modified systems used with gravel. | 452.05 | |
| 07 51 13 00-0205 | SQ | Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil | 570.76 | |
| 07 51 13 00-0206 | SQ | BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil | 349.32 | |
| **07 51 13 00-0207** | | **Modified Cap Membranes, Self-Adhering** *(07 51 13 00-0196)*<br>Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty. | | |
| 07 51 13 00-0208 | SQ | Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil<br>Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet. | 676.63 | |
| **07 51 13 00-0209** | | **Modified Cap Membranes, Torch-Applied** *(07 51 13 00-0196)*<br>Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty. | | |
| 07 51 13 00-0210 | SQ | Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil<br>Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel. | 832.78 | |
| 07 51 13 00-0211 | SQ | Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil | 905.91 | |
| 07 51 13 00-0212 | SQ | Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil | 954.65 | |
| 07 51 13 00-0213 | SQ | StressPly® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil | 872.39 | |
| 07 51 13 00-0214 | SQ | StressPly® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil | 924.19 | |
| 07 51 13 00-0215 | SQ | StressPly® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil | 969.89 | |
| **07 51 13 00-0216** | | **Modified Cap Membranes, Coal Tar Pitch Systems** *(07 51 13 00-0196)*<br>Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 51 13 00-0217 | SQ | Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil | 766.96 | |
| 07 51 13 00-0218 | SQ | Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil | 1,213.62 | |
| 07 51 13 00-0219 | SQ | Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil | 988.17 | |
| **07 51 13 00-0220** | | **Base Ply** *(07 51 13 00-0195)*<br>Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems. See CSI section 07 51 13 00-0196 for cap membrane. | | |
| 07 51 13 00-0221 | SQ | Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil | 683.48 | |
| 07 51 13 00-0222 | SQ | Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil | 429.84 | |
| 07 51 13 00-0223 | SQ | HPR® Glasbase Heavy-Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil<br>Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap. | 98.64 | |
| 07 51 13 00-0224 | SQ | HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil<br>Note: Inner ply felts for hot applied built up and modified BUR systems. | 65.43 | |
| 07 51 13 00-0225 | SQ | HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil | 79.59 | |
| 07 51 13 00-0226 | SQ | HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil | 86.44 | |
| 07 51 13 00-0227 | SQ | HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil<br>Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet. | 134.00 | |
| 07 51 13 00-0228 | SQ | Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil | 434.87 | |
| 07 51 13 00-0229 | SQ | HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil<br>Note: Self adhering base ply for self adhering 2 ply system. | 375.77 | |
| 07 51 13 00-0230 | SQ | SA Base IV Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With StressPly Cap Sheets, 110 Mil | 350.18 | |
| 07 51 13 00-0231 | SQ | StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil | 381.22 | |
| 07 51 13 00-0232 | SQ | StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil | 316.48 | |
| 07 51 13 00-0233 | LF | Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric | 5.89 | |
| 07 51 13 00-0234 | LF | Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems | 16.09 | |
| 07 51 13 00-0235 | SQ | Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems | 76.16 | |
| 07 51 13 00-0236 | LF | Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems | 7.66 | |
| 07 51 13 00-0237 | LF | Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems | 5.58 | |
| 07 51 13 00-0238 | LF | Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems | 6.47 | |
| 07 51 13 00-0239 | SQ | HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications | 165.97 | |
| **07 51 13 00-0240** | | **Coatings And Mastics For Roof Installation, Restoration And Repairs** *(07 51 13 00-0195)* | | |
| 07 51 13 00-0241 | SQ | Water Based Roof Primer, GarlaPrime VOC Primer | 48.66 | |
| 07 51 13 00-0242 | SQ | Black-Knight® Primer | 45.07 | |
| 07 51 13 00-0243 | SQ | Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply | 183.09 | |
| 07 51 13 00-0244 | SQ | Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ ) | 194.34 | |
| 07 51 13 00-0245 | SQ | Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ ) | 309.45 | |
| 07 51 13 00-0246 | SQ | Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply | 496.12 | |
| 07 51 13 00-0247 | SQ | Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat | 511.12 | |
| 07 51 13 00-0248 | SQ | Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ) | 239.22 | |
| 07 51 13 00-0249 | SQ | Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration | 395.38 | |
| 07 51 13 00-0250 | SQ | Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ) | 608.37 | |
| 07 51 13 00-0251 | SQ | Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration | 1,010.82 | |
| 07 51 13 00-0252 | SQ | Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply | 423.70 | |
| 07 51 13 00-0253 | SQ | Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat | 438.70 | |
| 07 51 13 00-0254 | SQ | Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only | 927.94 | |
| 07 51 13 00-0255 | SQ | Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only | 402.40 | |
| 07 51 13 00-0256 | SQ | HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply | 197.28 | |
| 07 51 13 00-0257 | SQ | HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat | 212.28 | |
| 07 51 13 00-0258 | SQ | Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel | 184.65 | |
| 07 51 13 00-0259 | SQ | Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers | 172.55 | |
| 07 51 13 00-0260 | SQ | Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products<br>Note: Adheres all insulation layers for cold systems. | 22.30 | |
| 07 51 13 00-0261 | SQ | Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required | 207.64 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 51 13 00-0262 | SQ | Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System | 201.31 | |
| 07 51 13 00-0263 | LF | Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh | 26.10 | |
| 07 51 13 00-0264 | SQ | Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat | 268.60 | |
| 07 51 13 00-0265 | SQ | Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric | 1,546.49 | |
| 07 51 13 00-0266 | SQ | Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ) | 343.48 | |
| 07 51 13 00-0267 | SQ | Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel | 418.73 | |
| 07 51 13 00-0268 | SQ | Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply | 156.36 | |
| 07 51 13 00-0269 | SQ | Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System | 524.08 | |
| 07 51 13 00-0270 | SQ | Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply | 155.20 | |
| | | Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel. | | |

# 07 52 Modified Bituminous Membrane Roofing *(07 50)*

## 07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

### 07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

#### 07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

#### 07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*

| | | | |
|---|---|---|---|
| 07 52 13 11-0003 | SQ | 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied | 216.97 |
| | | *For Up To 10, Add* | *51.51* |
| | | *For >10 To 20, Add* | *27.79* |
| | | *For >20 To 40, Add* | *14.91* |
| | | *For >75 To 100, Deduct* | *-7.45* |
| | | *For >100 To 200, Deduct* | *-15.92* |
| | | *For >200, Deduct* | *-23.38* |
| 07 52 13 11-0004 | SQ | 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied | 263.63 |
| | | *For Up To 10, Add* | *60.85* |
| | | *For >10 To 20, Add* | *32.45* |
| | | *For >20 To 40, Add* | *17.24* |
| | | *For >75 To 100, Deduct* | *-8.62* |
| | | *For >100 To 200, Deduct* | *-18.26* |
| | | *For >200, Deduct* | *-26.88* |
| 07 52 13 11-0005 | SQ | 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied | 412.62 |
| | | *For Up To 10, Add* | *90.64* |
| | | *For >10 To 20, Add* | *47.35* |
| | | *For >20 To 40, Add* | *24.69* |
| | | *For >75 To 100, Deduct* | *-12.35* |
| | | *For >100 To 200, Deduct* | *-25.71* |
| | | *For >200, Deduct* | *-38.05* |
| 07 52 13 11-0006 | SQ | 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 416.48 |
| | | *For Up To 10, Add* | *92.19* |
| | | *For >10 To 20, Add* | *48.32* |
| | | *For >20 To 40, Add* | *25.27* |
| | | *For >75 To 100, Deduct* | *-12.64* |
| | | *For >100 To 200, Deduct* | *-26.38* |
| | | *For >200, Deduct* | *-39.02* |
| 07 52 13 11-0007 | SQ | 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 298.81 |
| | | *For Up To 10, Add* | *68.65* |
| | | *For >10 To 20, Add* | *36.55* |
| | | *For >20 To 40, Add* | *19.39* |
| | | *For >75 To 100, Deduct* | *-9.69* |
| | | *For >100 To 200, Deduct* | *-20.50* |
| | | *For >200, Deduct* | *-30.19* |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* |
| 07 52 13 11-0008 | SQ | 160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 346.00 |
| | | *For Up To 10, Add* | *78.09* |
| | | *For >10 To 20, Add* | *41.27* |
| | | *For >20 To 40, Add* | *21.75* |
| | | *For >75 To 100, Deduct* | *-10.87* |
| | | *For >100 To 200, Deduct* | *-22.86* |
| | | *For >200, Deduct* | *-33.73* |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* |
| 07 52 13 11-0009 | SQ | 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 474.60 |
| | | *For Up To 10, Add* | *103.81* |
| | | *For >10 To 20, Add* | *54.13* |
| | | *For >20 To 40, Add* | *28.18* |
| | | *For >75 To 100, Deduct* | *-14.09* |
| | | *For >100 To 200, Deduct* | *-29.29* |
| | | *For >200, Deduct* | *-43.38* |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 52 13 11-0010 | | Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)* | | |
| 07 52 13 11-0011 | SF | 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied | 6.20 | |
| 07 52 13 11-0012 | SF | 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied | 9.33 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| **07 52 13 13** | | **Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing** *(07 52 13)* | | |
| 07 52 13 13-0001 | | Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 13)* | | |
| | | Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch. | | |
| 07 52 13 13-0002 | | Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)* | | |
| 07 52 13 13-0003 | SQ | 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied | 157.19 | |
| | | *For Up To 10, Add* | *39.55* | |
| | | *For >10 To 20, Add* | *21.80* | |
| | | *For >20 To 40, Add* | *11.92* | |
| | | *For >75 To 100, Deduct* | *-5.96* | |
| | | *For >100 To 200, Deduct* | *-12.93* | |
| | | *For >200, Deduct* | *-18.89* | |
| 07 52 13 13-0004 | SQ | 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied | 203.85 | |
| | | *For Up To 10, Add* | *48.88* | |
| | | *For >10 To 20, Add* | *26.47* | |
| | | *For >20 To 40, Add* | *14.25* | |
| | | *For >75 To 100, Deduct* | *-7.12* | |
| | | *For >100 To 200, Deduct* | *-15.26* | |
| | | *For >200, Deduct* | *-22.39* | |
| 07 52 13 13-0005 | SQ | 150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied | 246.11 | |
| | | *For Up To 10, Add* | *61.40* | |
| | | *For >10 To 20, Add* | *33.75* | |
| | | *For >20 To 40, Add* | *18.40* | |
| | | *For >75 To 100, Deduct* | *-9.20* | |
| | | *For >100 To 200, Deduct* | *-19.92* | |
| | | *For >200, Deduct* | *-29.12* | |
| 07 52 13 13-0006 | SQ | 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied | 258.06 | |
| | | *For Up To 10, Add* | *63.79* | |
| | | *For >10 To 20, Add* | *34.94* | |
| | | *For >20 To 40, Add* | *18.99* | |
| | | *For >75 To 100, Deduct* | *-9.50* | |
| | | *For >100 To 200, Deduct* | *-20.52* | |
| | | *For >200, Deduct* | *-30.01* | |
| 07 52 13 13-0007 | SQ | 180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied | 354.99 | |
| | | *For Up To 10, Add* | *83.18* | |
| | | *For >10 To 20, Add* | *44.64* | |
| | | *For >20 To 40, Add* | *23.84* | |
| | | *For >75 To 100, Deduct* | *-11.92* | |
| | | *For >100 To 200, Deduct* | *-25.36* | |
| | | *For >200, Deduct* | *-37.28* | |
| 07 52 13 13-0008 | SQ | 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied | 246.11 | |
| | | *For Up To 10, Add* | *61.40* | |
| | | *For >10 To 20, Add* | *33.75* | |
| | | *For >20 To 40, Add* | *18.40* | |
| | | *For >75 To 100, Deduct* | *-9.20* | |
| | | *For >100 To 200, Deduct* | *-19.92* | |
| | | *For >200, Deduct* | *-29.12* | |
| 07 52 13 13-0009 | SQ | 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied | 261.04 | |
| | | *For Up To 10, Add* | *64.39* | |
| | | *For >10 To 20, Add* | *35.24* | |
| | | *For >20 To 40, Add* | *19.14* | |
| | | *For >75 To 100, Deduct* | *-9.57* | |
| | | *For >100 To 200, Deduct* | *-20.67* | |
| | | *For >200, Deduct* | *-30.24* | |
| 07 52 13 13-0010 | SQ | 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied | 354.99 | |
| | | *For Up To 10, Add* | *83.18* | |
| | | *For >10 To 20, Add* | *44.64* | |
| | | *For >20 To 40, Add* | *23.84* | |
| | | *For >75 To 100, Deduct* | *-11.92* | |
| | | *For >100 To 200, Deduct* | *-25.36* | |
| | | *For >200, Deduct* | *-37.28* | |
| 07 52 13 13-0011 | SQ | 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied | 255.52 | |
| | | *For Up To 10, Add* | *63.29* | |
| | | *For >10 To 20, Add* | *34.69* | |
| | | *For >20 To 40, Add* | *18.87* | |
| | | *For >75 To 100, Deduct* | *-9.43* | |
| | | *For >100 To 200, Deduct* | *-20.39* | |
| | | *For >200, Deduct* | *-29.82* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 52 13 13-0012 | SQ | 170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied | 270.00 | |
| | | *For Up To 10, Add* | *66.18* | |
| | | *For >10 To 20, Add* | *36.14* | |
| | | *For >20 To 40, Add* | *19.59* | |
| | | *For >75 To 100, Deduct* | *-9.80* | |
| | | *For >100 To 200, Deduct* | *-21.11* | |
| | | *For >200, Deduct* | *-30.91* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 13 13-0013 | SQ | 160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied | 305.55 | |
| | | *For Up To 10, Add* | *73.29* | |
| | | *For >10 To 20, Add* | *39.69* | |
| | | *For >20 To 40, Add* | *21.37* | |
| | | *For >75 To 100, Deduct* | *-10.68* | |
| | | *For >100 To 200, Deduct* | *-22.89* | |
| | | *For >200, Deduct* | *-33.58* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 13 13-0014 | SQ | 170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied | 309.88 | |
| | | *For Up To 10, Add* | *74.16* | |
| | | *For >10 To 20, Add* | *40.12* | |
| | | *For >20 To 40, Add* | *21.59* | |
| | | *For >75 To 100, Deduct* | *-10.79* | |
| | | *For >100 To 200, Deduct* | *-23.11* | |
| | | *For >200, Deduct* | *-33.90* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 13 13-0015 | SQ | 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied | 431.30 | |
| | | *For Up To 10, Add* | *98.44* | |
| | | *For >10 To 20, Add* | *52.27* | |
| | | *For >20 To 40, Add* | *27.66* | |
| | | *For >75 To 100, Deduct* | *-13.83* | |
| | | *For >100 To 200, Deduct* | *-29.18* | |
| | | *For >200, Deduct* | *-43.01* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |

### 07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 07 52 13 13-0017 | SF | 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied | 3.67 | |
| 07 52 13 13-0018 | SF | 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied | 3.82 | |
| 07 52 13 13-0019 | SF | 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied | 4.76 | |
| 07 52 13 13-0020 | SF | 170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied | 3.91 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 13 13-0021 | SF | 170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied | 4.31 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 13 13-0022 | SF | 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied | 5.52 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |

## 07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

### 07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

### 07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

| | | | | |
|---|---|---|---|---|
| 07 52 13 14-0003 | SQ | 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened | 230.08 | |
| | | *For Up To 10, Add* | *50.07* | |
| | | *For >10 To 20, Add* | *26.05* | |
| | | *For >20 To 40, Add* | *13.53* | |
| | | *For >75 To 100, Deduct* | *-6.77* | |
| | | *For >100 To 200, Deduct* | *-14.04* | |
| | | *For >200, Deduct* | *-20.81* | |

## 07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

## 07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

### 07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

### 07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 52 16 11-0003 | SQ | 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied | 171.28 | |
| | | *For Up To 10, Add* | *42.38* | |
| | | *For >10 To 20, Add* | *23.22* | |
| | | *For >20 To 40, Add* | *12.62* | |
| | | *For >75 To 100, Deduct* | *-6.31* | |
| | | *For >100 To 200, Deduct* | *-13.64* | |
| | | *For >200, Deduct* | *-19.95* | |
| 07 52 16 11-0004 | SQ | 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied | 223.09 | |
| | | *For Up To 10, Add* | *52.74* | |
| | | *For >10 To 20, Add* | *28.40* | |
| | | *For >20 To 40, Add* | *15.21* | |
| | | *For >75 To 100, Deduct* | *-7.61* | |
| | | *For >100 To 200, Deduct* | *-16.23* | |
| | | *For >200, Deduct* | *-23.84* | |
| 07 52 16 11-0005 | SQ | 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied | 229.78 | |
| | | *For Up To 10, Add* | *54.08* | |
| | | *For >10 To 20, Add* | *29.07* | |
| | | *For >20 To 40, Add* | *15.55* | |
| | | *For >75 To 100, Deduct* | *-7.77* | |
| | | *For >100 To 200, Deduct* | *-16.56* | |
| | | *For >200, Deduct* | *-24.34* | |
| 07 52 16 11-0006 | SQ | 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied | 312.42 | |
| | | *For Up To 10, Add* | *70.60* | |
| | | *For >10 To 20, Add* | *37.33* | |
| | | *For >20 To 40, Add* | *19.68* | |
| | | *For >75 To 100, Deduct* | *-9.84* | |
| | | *For >100 To 200, Deduct* | *-20.70* | |
| | | *For >200, Deduct* | *-30.54* | |
| 07 52 16 11-0007 | SQ | 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied | 396.06 | |
| | | *For Up To 10, Add* | *87.33* | |
| | | *For >10 To 20, Add* | *45.70* | |
| | | *For >20 To 40, Add* | *23.86* | |
| | | *For >75 To 100, Deduct* | *-11.93* | |
| | | *For >100 To 200, Deduct* | *-24.88* | |
| | | *For >200, Deduct* | *-36.81* | |
| 07 52 16 11-0008 | SQ | 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 330.59 | |
| | | *For Up To 10, Add* | *75.01* | |
| | | *For >10 To 20, Add* | *39.73* | |
| | | *For >20 To 40, Add* | *20.98* | |
| | | *For >75 To 100, Deduct* | *-10.49* | |
| | | *For >100 To 200, Deduct* | *-22.09* | |
| | | *For >200, Deduct* | *-32.57* | |
| 07 52 16 11-0009 | SQ | 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 339.58 | |
| | | *For Up To 10, Add* | *76.81* | |
| | | *For >10 To 20, Add* | *40.63* | |
| | | *For >20 To 40, Add* | *21.43* | |
| | | *For >75 To 100, Deduct* | *-10.71* | |
| | | *For >100 To 200, Deduct* | *-22.54* | |
| | | *For >200, Deduct* | *-33.25* | |
| 07 52 16 11-0010 | SQ | 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 297.46 | |
| | | *For Up To 10, Add* | *68.38* | |
| | | *For >10 To 20, Add* | *36.42* | |
| | | *For >20 To 40, Add* | *19.32* | |
| | | *For >75 To 100, Deduct* | *-9.66* | |
| | | *For >100 To 200, Deduct* | *-20.43* | |
| | | *For >200, Deduct* | *-30.09* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 11-0011 | SQ | 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 301.35 | |
| | | *For Up To 10, Add* | *69.16* | |
| | | *For >10 To 20, Add* | *36.80* | |
| | | *For >20 To 40, Add* | *19.51* | |
| | | *For >75 To 100, Deduct* | *-9.76* | |
| | | *For >100 To 200, Deduct* | *-20.63* | |
| | | *For >200, Deduct* | *-30.38* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 11-0012 | SQ | 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 337.19 | |
| | | *For Up To 10, Add* | *76.33* | |
| | | *For >10 To 20, Add* | *40.39* | |
| | | *For >20 To 40, Add* | *21.31* | |
| | | *For >75 To 100, Deduct* | *-10.65* | |
| | | *For >100 To 200, Deduct* | *-22.42* | |
| | | *For >200, Deduct* | *-33.07* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 11-0013 | SQ | 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 343.16 | |
| | | *For Up To 10, Add* | *77.52* | |
| | | *For >10 To 20, Add* | *40.99* | |
| | | *For >20 To 40, Add* | *21.60* | |
| | | *For >75 To 100, Deduct* | *-10.80* | |
| | | *For >100 To 200, Deduct* | *-22.72* | |
| | | *For >200, Deduct* | *-33.52* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 52 16 11-0014 | SQ | 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 395.44 | |
| | | *For Up To 10, Add* | *87.98* | |
| | | *For >10 To 20, Add* | *46.21* | |
| | | *For >20 To 40, Add* | *24.22* | |
| | | *For >75 To 100, Deduct* | *-12.11* | |
| | | *For >100 To 200, Deduct* | *-25.33* | |
| | | *For >200, Deduct* | *-37.44* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 11-0015 | SQ | 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 490.67 | |
| | | *For Up To 10, Add* | *107.03* | |
| | | *For >10 To 20, Add* | *55.74* | |
| | | *For >20 To 40, Add* | *28.98* | |
| | | *For >75 To 100, Deduct* | *-14.49* | |
| | | *For >100 To 200, Deduct* | *-30.09* | |
| | | *For >200, Deduct* | *-44.58* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 11-0016 | SQ | 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 303.94 | |
| | | *For Up To 10, Add* | *69.68* | |
| | | *For >10 To 20, Add* | *37.06* | |
| | | *For >20 To 40, Add* | *19.64* | |
| | | *For >75 To 100, Deduct* | *-9.82* | |
| | | *For >100 To 200, Deduct* | *-20.75* | |
| | | *For >200, Deduct* | *-30.58* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 11-0017 | SQ | 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 313.29 | |
| | | *For Up To 10, Add* | *71.55* | |
| | | *For >10 To 20, Add* | *38.00* | |
| | | *For >20 To 40, Add* | *20.11* | |
| | | *For >75 To 100, Deduct* | *-10.06* | |
| | | *For >100 To 200, Deduct* | *-21.22* | |
| | | *For >200, Deduct* | *-31.28* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 11-0018 | SQ | 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 364.07 | |
| | | *For Up To 10, Add* | *81.71* | |
| | | *For >10 To 20, Add* | *43.08* | |
| | | *For >20 To 40, Add* | *22.65* | |
| | | *For >75 To 100, Deduct* | *-11.32* | |
| | | *For >100 To 200, Deduct* | *-23.76* | |
| | | *For >200, Deduct* | *-35.09* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 11-0019 | SQ | 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 365.27 | |
| | | *For Up To 10, Add* | *81.95* | |
| | | *For >10 To 20, Add* | *43.20* | |
| | | *For >20 To 40, Add* | *22.71* | |
| | | *For >75 To 100, Deduct* | *-11.35* | |
| | | *For >100 To 200, Deduct* | *-23.82* | |
| | | *For >200, Deduct* | *-35.18* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 11-0020 | SQ | 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied | 387.97 | |
| | | *For Up To 10, Add* | *86.49* | |
| | | *For >10 To 20, Add* | *45.47* | |
| | | *For >20 To 40, Add* | *23.84* | |
| | | *For >75 To 100, Deduct* | *-11.92* | |
| | | *For >100 To 200, Deduct* | *-24.96* | |
| | | *For >200, Deduct* | *-36.88* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |

## 07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

| | | | | |
|---|---|---|---|---|
| 07 52 16 11-0022 | SF | 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied | 5.43 | |
| 07 52 16 11-0023 | SF | 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied | 5.01 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 11-0024 | SF | 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied | 5.05 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 11-0025 | SF | 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied | 5.47 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 11-0026 | SF | 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied | 5.99 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 11-0027 | SF | 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied | 6.94 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 11-0028 | SF | 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied | 5.08 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 11-0029 | SF | 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied | 5.17 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 52 16 11-0030 | SF | 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied | 5.69 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 11-0031 | SF | 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied | 5.92 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 11-0032 | SF | 145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied | 7.78 | |
| 07 52 16 11-0033 | SF | 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied | 14.49 | |

## 07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

### 07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 12)*

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

### 07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 12-0001)*

| | | | | |
|---|---|---|---|---|
| 07 52 16 12-0003 | SQ | 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped | 140.78 | |
| | | *For Up To 10, Add* | *36.40* | |
| | | *For >10 To 20, Add* | *20.26* | |
| | | *For >20 To 40, Add* | *11.16* | |
| | | *For >75 To 100, Deduct* | *-5.58* | |
| | | *For >100 To 200, Deduct* | *-12.19* | |
| | | *For >200, Deduct* | *-17.77* | |
| 07 52 16 12-0004 | SQ | 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped | 192.59 | |
| | | *For Up To 10, Add* | *46.76* | |
| | | *For >10 To 20, Add* | *25.44* | |
| | | *For >20 To 40, Add* | *13.75* | |
| | | *For >75 To 100, Deduct* | *-6.88* | |
| | | *For >100 To 200, Deduct* | *-14.78* | |
| | | *For >200, Deduct* | *-21.66* | |
| 07 52 16 12-0005 | SQ | 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped | 199.28 | |
| | | *For Up To 10, Add* | *48.10* | |
| | | *For >10 To 20, Add* | *26.11* | |
| | | *For >20 To 40, Add* | *14.09* | |
| | | *For >75 To 100, Deduct* | *-7.04* | |
| | | *For >100 To 200, Deduct* | *-15.12* | |
| | | *For >200, Deduct* | *-22.16* | |
| 07 52 16 12-0006 | SQ | 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped | 281.92 | |
| | | *For Up To 10, Add* | *64.63* | |
| | | *For >10 To 20, Add* | *34.38* | |
| | | *For >20 To 40, Add* | *18.22* | |
| | | *For >75 To 100, Deduct* | *-9.11* | |
| | | *For >100 To 200, Deduct* | *-19.25* | |
| | | *For >200, Deduct* | *-28.36* | |
| 07 52 16 12-0007 | SQ | 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped | 365.56 | |
| | | *For Up To 10, Add* | *81.36* | |
| | | *For >10 To 20, Add* | *42.74* | |
| | | *For >20 To 40, Add* | *22.40* | |
| | | *For >75 To 100, Deduct* | *-11.20* | |
| | | *For >100 To 200, Deduct* | *-23.43* | |
| | | *For >200, Deduct* | *-34.63* | |
| 07 52 16 12-0008 | SQ | 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 300.15 | |
| | | *For Up To 10, Add* | *69.06* | |
| | | *For >10 To 20, Add* | *36.79* | |
| | | *For >20 To 40, Add* | *19.52* | |
| | | *For >75 To 100, Deduct* | *-9.76* | |
| | | *For >100 To 200, Deduct* | *-20.65* | |
| | | *For >200, Deduct* | *-30.41* | |
| 07 52 16 12-0009 | SQ | 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 309.14 | |
| | | *For Up To 10, Add* | *70.86* | |
| | | *For >10 To 20, Add* | *37.69* | |
| | | *For >20 To 40, Add* | *19.97* | |
| | | *For >75 To 100, Deduct* | *-9.99* | |
| | | *For >100 To 200, Deduct* | *-21.10* | |
| | | *For >200, Deduct* | *-31.09* | |
| 07 52 16 12-0010 | SQ | 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 267.02 | |
| | | *For Up To 10, Add* | *62.43* | |
| | | *For >10 To 20, Add* | *33.47* | |
| | | *For >20 To 40, Add* | *17.87* | |
| | | *For >75 To 100, Deduct* | *-8.93* | |
| | | *For >100 To 200, Deduct* | *-18.99* | |
| | | *For >200, Deduct* | *-27.93* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 52 16 12-0011 | SQ | 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 270.91 | |
| | | *For Up To 10, Add* | *63.21* | |
| | | *For >10 To 20, Add* | *33.86* | |
| | | *For >20 To 40, Add* | *18.06* | |
| | | *For >75 To 100, Deduct* | *-9.03* | |
| | | *For >100 To 200, Deduct* | *-19.19* | |
| | | *For >200, Deduct* | *-28.22* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 12-0012 | SQ | 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 306.75 | |
| | | *For Up To 10, Add* | *70.38* | |
| | | *For >10 To 20, Add* | *37.45* | |
| | | *For >20 To 40, Add* | *19.85* | |
| | | *For >75 To 100, Deduct* | *-9.93* | |
| | | *For >100 To 200, Deduct* | *-20.98* | |
| | | *For >200, Deduct* | *-30.91* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 12-0013 | SQ | 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 312.73 | |
| | | *For Up To 10, Add* | *71.57* | |
| | | *For >10 To 20, Add* | *38.04* | |
| | | *For >20 To 40, Add* | *20.15* | |
| | | *For >75 To 100, Deduct* | *-10.08* | |
| | | *For >100 To 200, Deduct* | *-21.28* | |
| | | *For >200, Deduct* | *-31.35* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 12-0014 | SQ | 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 365.00 | |
| | | *For Up To 10, Add* | *82.03* | |
| | | *For >10 To 20, Add* | *43.27* | |
| | | *For >20 To 40, Add* | *22.76* | |
| | | *For >75 To 100, Deduct* | *-11.38* | |
| | | *For >100 To 200, Deduct* | *-23.89* | |
| | | *For >200, Deduct* | *-35.27* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 12-0015 | SQ | 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 460.23 | |
| | | *For Up To 10, Add* | *101.07* | |
| | | *For >10 To 20, Add* | *52.79* | |
| | | *For >20 To 40, Add* | *27.53* | |
| | | *For >75 To 100, Deduct* | *-13.76* | |
| | | *For >100 To 200, Deduct* | *-28.65* | |
| | | *For >200, Deduct* | *-42.42* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 12-0016 | SQ | 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 273.51 | |
| | | *For Up To 10, Add* | *63.73* | |
| | | *For >10 To 20, Add* | *34.12* | |
| | | *For >20 To 40, Add* | *18.19* | |
| | | *For >75 To 100, Deduct* | *-9.09* | |
| | | *For >100 To 200, Deduct* | *-19.32* | |
| | | *For >200, Deduct* | *-28.41* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 12-0017 | SQ | 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 282.85 | |
| | | *For Up To 10, Add* | *65.60* | |
| | | *For >10 To 20, Add* | *35.06* | |
| | | *For >20 To 40, Add* | *18.66* | |
| | | *For >75 To 100, Deduct* | *-9.33* | |
| | | *For >100 To 200, Deduct* | *-19.79* | |
| | | *For >200, Deduct* | *-29.11* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 12-0018 | SQ | 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 333.63 | |
| | | *For Up To 10, Add* | *75.75* | |
| | | *For >10 To 20, Add* | *40.13* | |
| | | *For >20 To 40, Add* | *21.20* | |
| | | *For >75 To 100, Deduct* | *-10.60* | |
| | | *For >100 To 200, Deduct* | *-22.32* | |
| | | *For >200, Deduct* | *-32.92* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 12-0019 | SQ | 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 334.83 | |
| | | *For Up To 10, Add* | *75.99* | |
| | | *For >10 To 20, Add* | *40.25* | |
| | | *For >20 To 40, Add* | *21.26* | |
| | | *For >75 To 100, Deduct* | *-10.63* | |
| | | *For >100 To 200, Deduct* | *-22.38* | |
| | | *For >200, Deduct* | *-33.01* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 12-0020 | SQ | 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped | 357.53 | |
| | | *For Up To 10, Add* | *80.53* | |
| | | *For >10 To 20, Add* | *42.52* | |
| | | *For >20 To 40, Add* | *22.39* | |
| | | *For >75 To 100, Deduct* | *-11.20* | |
| | | *For >100 To 200, Deduct* | *-23.52* | |
| | | *For >200, Deduct* | *-34.71* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 52 16 12-0021 | | Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 12-0001)* | | |
| 07 52 16 12-0022 | SF | 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 5.20 | |
| 07 52 16 12-0023 | SF | 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 4.78 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 12-0024 | SF | 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 4.81 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 12-0025 | SF | 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 5.17 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 12-0026 | SF | 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 5.23 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 12-0027 | SF | 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 5.76 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 12-0028 | SF | 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 6.71 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 12-0029 | SF | 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 4.84 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 12-0030 | SF | 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 4.93 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 12-0031 | SF | 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 5.36 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 12-0032 | SF | 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 5.68 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 12-0033 | SF | 145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 7.54 | |
| 07 52 16 12-0034 | SF | 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped | 14.25 | |
| **07 52 16 13** | | **Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** *(07 52 16)* | | |
| 07 52 16 13-0001 | | Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 13)* | | |
| | | Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch. | | |
| 07 52 16 13-0002 | | Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)* | | |
| 07 52 16 13-0003 | SQ | 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied | 287.93 | |
| | | *For Up To 10, Add* | *69.77* | |
| | | *For >10 To 20, Add* | *37.93* | |
| | | *For >20 To 40, Add* | *20.49* | |
| | | *For >75 To 100, Deduct* | *-10.24* | |
| | | *For >100 To 200, Deduct* | *-22.01* | |
| | | *For >200, Deduct* | *-32.25* | |
| 07 52 16 13-0004 | SQ | 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied | 258.95 | |
| | | *For Up To 10, Add* | *63.97* | |
| | | *For >10 To 20, Add* | *35.03* | |
| | | *For >20 To 40, Add* | *19.04* | |
| | | *For >75 To 100, Deduct* | *-9.52* | |
| | | *For >100 To 200, Deduct* | *-20.56* | |
| | | *For >200, Deduct* | *-30.08* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 13-0005 | SQ | 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied | 293.00 | |
| | | *For Up To 10, Add* | *70.78* | |
| | | *For >10 To 20, Add* | *38.44* | |
| | | *For >20 To 40, Add* | *20.74* | |
| | | *For >75 To 100, Deduct* | *-10.37* | |
| | | *For >100 To 200, Deduct* | *-22.26* | |
| | | *For >200, Deduct* | *-32.63* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 13-0006 | SQ | 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied | 447.37 | |
| | | *For Up To 10, Add* | *101.66* | |
| | | *For >10 To 20, Add* | *53.87* | |
| | | *For >20 To 40, Add* | *28.46* | |
| | | *For >75 To 100, Deduct* | *-14.23* | |
| | | *For >100 To 200, Deduct* | *-29.98* | |
| | | *For >200, Deduct* | *-44.21* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 13-0007 | SQ | 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied | 268.69 | |
| | | *For Up To 10, Add* | *65.92* | |
| | | *For >10 To 20, Add* | *36.01* | |
| | | *For >20 To 40, Add* | *19.53* | |
| | | *For >75 To 100, Deduct* | *-9.76* | |
| | | *For >100 To 200, Deduct* | *-21.05* | |
| | | *For >200, Deduct* | *-30.81* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 52 16 13-0008 | SQ | 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied | 308.84 | |
| | | *For Up To 10, Add* | *73.95* | |
| | | *For >10 To 20, Add* | *40.02* | |
| | | *For >20 To 40, Add* | *21.53* | |
| | | *For >75 To 100, Deduct* | *-10.77* | |
| | | *For >100 To 200, Deduct* | *-23.06* | |
| | | *For >200, Deduct* | *-33.82* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 13-0009 | SQ | 165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied | 321.70 | |
| | | *For Up To 10, Add* | *76.71* | |
| | | *For >10 To 20, Add* | *41.44* | |
| | | *For >20 To 40, Add* | *22.27* | |
| | | *For >75 To 100, Deduct* | *-11.13* | |
| | | *For >100 To 200, Deduct* | *-23.81* | |
| | | *For >200, Deduct* | *-34.95* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 13-0010 | SQ | 180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied | 415.41 | |
| | | *For Up To 10, Add* | *95.45* | |
| | | *For >10 To 20, Add* | *50.82* | |
| | | *For >20 To 40, Add* | *26.95* | |
| | | *For >75 To 100, Deduct* | *-13.48* | |
| | | *For >100 To 200, Deduct* | *-28.50* | |
| | | *For >200, Deduct* | *-41.98* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |

### 07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*

| | | | | |
|---|---|---|---|---|
| 07 52 16 13-0012 | SF | 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied | 4.17 | |
| 07 52 16 13-0013 | SF | 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied | 4.15 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 13-0014 | SF | 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied | 5.68 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 13-0015 | SF | 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied | 4.34 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 13-0016 | SF | 165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied | 4.42 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 13-0017 | SF | 180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied | 5.36 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 13-0018 | SF | 150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied | 5.57 | |
| 07 52 16 13-0019 | SF | 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied | 13.23 | |

## 07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

### 07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

### 07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*

| | | | | |
|---|---|---|---|---|
| 07 52 16 14-0003 | SQ | 35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened | 178.60 | |
| | | *For Up To 10, Add* | *39.78* | |
| | | *For >10 To 20, Add* | *20.90* | |
| | | *For >20 To 40, Add* | *10.96* | |
| | | *For >75 To 100, Deduct* | *-5.48* | |
| | | *For >100 To 200, Deduct* | *-11.47* | |
| | | *For >200, Deduct* | *-16.94* | |
| 07 52 16 14-0004 | SQ | 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened | 137.73 | |
| | | *For Up To 10, Add* | *31.60* | |
| | | *For >10 To 20, Add* | *16.82* | |
| | | *For >20 To 40, Add* | *8.91* | |
| | | *For >75 To 100, Deduct* | *-4.46* | |
| | | *For >100 To 200, Deduct* | *-9.42* | |
| | | *For >200, Deduct* | *-13.88* | |
| 07 52 16 14-0005 | SQ | 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened | 177.97 | |
| | | *For Up To 10, Add* | *39.65* | |
| | | *For >10 To 20, Add* | *20.84* | |
| | | *For >20 To 40, Add* | *10.93* | |
| | | *For >75 To 100, Deduct* | *-5.46* | |
| | | *For >100 To 200, Deduct* | *-11.43* | |
| | | *For >200, Deduct* | *-16.90* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 52 16 14-0006 | SQ | 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened | 222.42 | |
| | | *For Up To 10, Add* | *48.54* | |
| | | *For >10 To 20, Add* | *25.28* | |
| | | *For >20 To 40, Add* | *13.15* | |
| | | *For >75 To 100, Deduct* | *-6.57* | |
| | | *For >100 To 200, Deduct* | *-13.66* | |
| | | *For >200, Deduct* | *-20.23* | |
| 07 52 16 14-0007 | SQ | 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened | 278.87 | |
| | | *For Up To 10, Add* | *59.83* | |
| | | *For >10 To 20, Add* | *30.93* | |
| | | *For >20 To 40, Add* | *15.97* | |
| | | *For >75 To 100, Deduct* | *-7.99* | |
| | | *For >100 To 200, Deduct* | *-16.48* | |
| | | *For >200, Deduct* | *-24.46* | |

### 07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*

| | | | | |
|---|---|---|---|---|
| 07 52 16 14-0009 | SF | 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened | 3.57 | |
| 07 52 16 14-0010 | SF | 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened | 3.65 | |

## 07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

### 07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 15)*

Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

### 07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*

| | | | | |
|---|---|---|---|---|
| 07 52 16 15-0003 | SQ | 60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering | 143.74 | |
| | | *For Up To 10, Add* | *33.62* | |
| | | *For >10 To 20, Add* | *18.03* | |
| | | *For >20 To 40, Add* | *9.62* | |
| | | *For >75 To 100, Deduct* | *-4.81* | |
| | | *For >100 To 200, Deduct* | *-10.23* | |
| | | *For >200, Deduct* | *-15.04* | |
| 07 52 16 15-0004 | SQ | 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering | 152.21 | |
| | | *For Up To 10, Add* | *35.31* | |
| | | *For >10 To 20, Add* | *18.88* | |
| | | *For >20 To 40, Add* | *10.05* | |
| | | *For >75 To 100, Deduct* | *-5.02* | |
| | | *For >100 To 200, Deduct* | *-10.66* | |
| | | *For >200, Deduct* | *-15.68* | |
| 07 52 16 15-0005 | SQ | 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering | 255.83 | |
| | | *For Up To 10, Add* | *56.40* | |
| | | *For >10 To 20, Add* | *29.51* | |
| | | *For >20 To 40, Add* | *15.41* | |
| | | *For >75 To 100, Deduct* | *-7.71* | |
| | | *For >100 To 200, Deduct* | *-16.07* | |
| | | *For >200, Deduct* | *-23.77* | |
| 07 52 16 15-0006 | SQ | 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering | 305.48 | |
| | | *For Up To 10, Add* | *66.33* | |
| | | *For >10 To 20, Add* | *34.48* | |
| | | *For >20 To 40, Add* | *17.89* | |
| | | *For >75 To 100, Deduct* | *-8.95* | |
| | | *For >100 To 200, Deduct* | *-18.55* | |
| | | *For >200, Deduct* | *-27.49* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |
| 07 52 16 15-0007 | SQ | 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering | 451.84 | |
| | | *For Up To 10, Add* | *95.61* | |
| | | *For >10 To 20, Add* | *49.11* | |
| | | *For >20 To 40, Add* | *25.21* | |
| | | *For >75 To 100, Deduct* | *-12.61* | |
| | | *For >100 To 200, Deduct* | *-25.87* | |
| | | *For >200, Deduct* | *-38.47* | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *108.28* | |

### 07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*

| | | | | |
|---|---|---|---|---|
| 07 52 16 15-0009 | SF | 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering | 4.13 | |
| 07 52 16 15-0010 | SF | 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering | 4.61 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |
| 07 52 16 15-0011 | SF | 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering | 6.08 | |
| | | *For Factory Applied White Reflective Surfacing, Add* | *1.08* | |

# 07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| | | See CSI section 07 26 13 00-0000 for wood deck building paper. | | |
| **07 53 16** | | **Chlorosulfonate-Polyethylene Roofing** *(07 53)* | | |
| 07 53 16 00-0001 | | Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)*<br>Note: Includes hot air welding or adhesive bonding of seams. | | |
| 07 53 16 00-0002 | SQ | 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered<br>Note: Includes adhesive. | 557.53 | 97.45 |
| | | *For Up To 10, Add* | *150.49* | |
| | | *For >10 To 20, Add* | *84.99* | |
| | | *For >20 To 40, Add* | *47.37* | |
| | | *For >75 To 100, Deduct* | *-23.68* | |
| | | *For >100 To 200, Deduct* | *-52.24* | |
| | | *For >200, Deduct* | *-75.92* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| 07 53 16 00-0003 | SQ | 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted<br>Note: Includes ballast. | 407.48 | 48.72 |
| | | *For Up To 10, Add* | *100.99* | |
| | | *For >10 To 20, Add* | *55.37* | |
| | | *For >20 To 40, Add* | *30.12* | |
| | | *For >75 To 100, Deduct* | *-15.06* | |
| | | *For >100 To 200, Deduct* | *-32.56* | |
| | | *For >200, Deduct* | *-47.61* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| 07 53 16 00-0004 | SQ | 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened<br>Note: Includes fasteners. | 439.94 | 73.09 |
| | | *For Up To 10, Add* | *117.22* | |
| | | *For >10 To 20, Add* | *65.92* | |
| | | *For >20 To 40, Add* | *36.61* | |
| | | *For >75 To 100, Deduct* | *-18.31* | |
| | | *For >100 To 200, Deduct* | *-40.27* | |
| | | *For >200, Deduct* | *-58.58* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *36.54* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *37.86* | |
| **07 53 23** | | **Ethylene-Propylene-Diene-Monomer Roofing** *(07 53)* | | |
| 07 53 23 00-0001 | | Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes *(07 53 23)*<br>Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM). | | |
| 07 53 23 00-0002 | SQ | 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted<br>Note: Includes ballast. | 300.64 | 48.72 |
| | | *For Up To 10, Add* | *79.62* | |
| | | *For >10 To 20, Add* | *44.68* | |
| | | *For >20 To 40, Add* | *24.78* | |
| | | *For >75 To 100, Deduct* | *-12.39* | |
| | | *For >100 To 200, Deduct* | *-27.21* | |
| | | *For >200, Deduct* | *-39.60* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For Low Slope Fire Rated, Add* | *8.70* | |
| | | *For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add* | *27.45* | |
| 07 53 23 00-0003 | SQ | 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted<br>Note: Includes ballast. | 384.88 | 51.77 |
| | | *For Up To 10, Add* | *97.68* | |
| | | *For >10 To 20, Add* | *54.02* | |
| | | *For >20 To 40, Add* | *29.60* | |
| | | *For >75 To 100, Deduct* | *-14.80* | |
| | | *For >100 To 200, Deduct* | *-32.19* | |
| | | *For >200, Deduct* | *-46.99* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Low Slope Fire Rated, Add* | *8.70* | |
| | | *For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add* | *27.45* | |
| 07 53 23 00-0004 | SQ | 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted<br>Note: Includes ballast. | 513.97 | 54.81 |
| | | *For Up To 10, Add* | *124.72* | |
| | | *For >10 To 20, Add* | *67.84* | |
| | | *For >20 To 40, Add* | *36.66* | |
| | | *For >75 To 100, Deduct* | *-18.33* | |
| | | *For >100 To 200, Deduct* | *-39.40* | |
| | | *For >200, Deduct* | *-57.73* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Low Slope Fire Rated, Add* | *8.70* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 53 23 00-0005 | SQ | 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)<br>Note: Includes adhesive and fasteners. | 359.95 | 73.09 |
| | | *For Up To 10, Add* | *101.22* | |
| | | *For >10 To 20, Add* | *57.92* | |
| | | *For >20 To 40, Add* | *32.61* | |
| | | *For >75 To 100, Deduct* | *-16.31* | |
| | | *For >100 To 200, Deduct* | *-36.27* | |
| | | *For >200, Deduct* | *-52.58* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For Low Slope Fire Rated, Add* | *8.70* | |
| | | *For Low VOC Adhesive, Add* | *32.54* | |
| | | *For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add* | *27.45* | |
| | | *For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add* | *83.02* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *117.38* | |
| 07 53 23 00-0006 | SQ | 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)<br>Note: Includes adhesive and fasteners. | 444.19 | 76.13 |
| | | *For Up To 10, Add* | *119.29* | |
| | | *For >10 To 20, Add* | *67.26* | |
| | | *For >20 To 40, Add* | *37.44* | |
| | | *For >75 To 100, Deduct* | *-18.72* | |
| | | *For >100 To 200, Deduct* | *-41.24* | |
| | | *For >200, Deduct* | *-59.96* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Low Slope Fire Rated, Add* | *8.70* | |
| | | *For Low VOC Adhesive, Add* | *32.54* | |
| | | *For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add* | *27.45* | |
| | | *For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add* | *83.02* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *130.14* | |
| 07 53 23 00-0007 | SQ | 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)<br>Note: Includes adhesive and fasteners. | 573.28 | 79.17 |
| | | *For Up To 10, Add* | *146.33* | |
| | | *For >10 To 20, Add* | *81.08* | |
| | | *For >20 To 40, Add* | *44.50* | |
| | | *For >75 To 100, Deduct* | *-22.25* | |
| | | *For >100 To 200, Deduct* | *-48.46* | |
| | | *For >200, Deduct* | *-70.71* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Low Slope Fire Rated, Add* | *8.70* | |
| | | *For Low VOC Adhesive, Add* | *32.54* | |
| | | *For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add* | *83.02* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *144.06* | |
| 07 53 23 00-0008 | SQ | 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered<br>Note: Includes adhesive and fasteners. | 474.45 | 97.45 |
| | | *For Up To 10, Add* | *133.87* | |
| | | *For >10 To 20, Add* | *76.68* | |
| | | *For >20 To 40, Add* | *43.21* | |
| | | *For >75 To 100, Deduct* | *-21.61* | |
| | | *For >100 To 200, Deduct* | *-48.09* | |
| | | *For >200, Deduct* | *-69.69* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For Low Slope Fire Rated, Add* | *8.70* | |
| | | *For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add* | *27.45* | |
| | | *For Low VOC Adhesive, Add* | *81.35* | |
| | | *For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add* | *83.02* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *117.38* | |
| 07 53 23 00-0009 | SQ | 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered<br>Note: Includes adhesive and fasteners. | 558.69 | 100.49 |
| | | *For Up To 10, Add* | *151.94* | |
| | | *For >10 To 20, Add* | *86.02* | |
| | | *For >20 To 40, Add* | *48.03* | |
| | | *For >75 To 100, Deduct* | *-24.02* | |
| | | *For >100 To 200, Deduct* | *-53.06* | |
| | | *For >200, Deduct* | *-77.08* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Low Slope Fire Rated, Add* | *8.70* | |
| | | *For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add* | *27.45* | |
| | | *For Low VOC Adhesive, Add* | *81.35* | |
| | | *For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add* | *83.02* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *130.14* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 53 23 00-0010 | SQ | 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered<br>Note: Includes adhesive and fasteners. | 687.77 | 103.54 |
| | | *For Up To 10, Add* | *178.97* | |
| | | *For >10 To 20, Add* | *99.84* | |
| | | *For >20 To 40, Add* | *55.10* | |
| | | *For >75 To 100, Deduct* | *-27.55* | |
| | | *For >100 To 200, Deduct* | *-60.27* | |
| | | *For >200, Deduct* | *-87.82* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Low Slope Fire Rated, Add* | *8.70* | |
| | | *For Low VOC Adhesive, Add* | *81.35* | |
| | | *For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add* | *83.02* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *144.06* | |
| 07 53 23 00-0011 | SQ | 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened<br>Note: Includes fasteners. | 332.85 | 73.09 |
| | | *For Up To 10, Add* | *95.80* | |
| | | *For >10 To 20, Add* | *55.21* | |
| | | *For >20 To 40, Add* | *31.26* | |
| | | *For >75 To 100, Deduct* | *-15.63* | |
| | | *For >100 To 200, Deduct* | *-34.91* | |
| | | *For >200, Deduct* | *-50.54* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For Low Slope Fire Rated, Add* | *8.70* | |
| | | *For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add* | *27.45* | |
| | | *For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add* | *83.02* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *36.54* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *37.86* | |
| 07 53 23 00-0012 | SQ | 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened<br>Note: Includes fasteners. | 417.09 | 76.13 |
| | | *For Up To 10, Add* | *113.87* | |
| | | *For >10 To 20, Add* | *64.55* | |
| | | *For >20 To 40, Add* | *36.08* | |
| | | *For >75 To 100, Deduct* | *-18.04* | |
| | | *For >100 To 200, Deduct* | *-39.89* | |
| | | *For >200, Deduct* | *-57.93* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Low Slope Fire Rated, Add* | *8.70* | |
| | | *For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add* | *27.45* | |
| | | *For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add* | *83.02* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *38.07* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *39.39* | |
| 07 53 23 00-0013 | SQ | 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened<br>Note: Includes fasteners. | 546.18 | 79.17 |
| | | *For Up To 10, Add* | *140.91* | |
| | | *For >10 To 20, Add* | *78.37* | |
| | | *For >20 To 40, Add* | *43.15* | |
| | | *For >75 To 100, Deduct* | *-21.57* | |
| | | *For >100 To 200, Deduct* | *-47.10* | |
| | | *For >200, Deduct* | *-68.68* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Low Slope Fire Rated, Add* | *8.70* | |
| | | *For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add* | *83.02* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *39.59* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *40.91* | |

## 07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*

| | | | | |
|---|---|---|---|---|
| 07 53 23 00-0015 | SQ | Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat | 75.26 | |
| | | *For Up To 10, Add* | *19.92* | |
| | | *For >10 To 20, Add* | *11.18* | |
| | | *For >20 To 40, Add* | *6.20* | |
| | | *For >75 To 100, Deduct* | *-3.10* | |
| | | *For >100 To 200, Deduct* | *-6.81* | |
| | | *For >200, Deduct* | *-9.91* | |
| 07 53 23 00-0016 | SQ | Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat<br>Note: 55% solids by volume. | 77.80 | |
| | | *For Up To 10, Add* | *20.43* | |
| | | *For >10 To 20, Add* | *11.43* | |
| | | *For >20 To 40, Add* | *6.33* | |
| | | *For >75 To 100, Deduct* | *-3.16* | |
| | | *For >100 To 200, Deduct* | *-6.94* | |
| | | *For >200, Deduct* | *-10.10* | |
| 07 53 23 00-0017 | EA | Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot<br>Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band. | 47.86 | 11.57 |
| 07 53 23 00-0018 | EA | >4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot<br>Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band. | 67.95 | 11.57 |
| 07 53 23 00-0019 | EA | >8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot<br>Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band. | 125.91 | 11.57 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 53 23 00-0020 | EA | 6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket<br>Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer. | 166.70 | 12.79 |
| 07 53 23 00-0021 | LF | 30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad<br>Note: Includes factory installed peel and stick adhesive tape. | 37.00 | 7.07 |
| 07 53 23 00-0022 | SF | Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing | 7.08 | 1.82 |
| 07 53 23 00-0023 | SF | Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing | 8.90 | 2.74 |

## 07 53 29 Polyisobutylene Roofing *(07 53)*

### 07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes *(07 53 29)*

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

| | | | | |
|---|---|---|---|---|
| 07 53 29 00-0002 | SQ | 100 Mil, Single Ply PIB Roofing Membrane, Ballasted<br>Note: Includes ballast. | 543.24 | 54.81 |
| | | *For Up To 10, Add* | *130.58* | |
| | | *For >10 To 20, Add* | *70.77* | |
| | | *For >20 To 40, Add* | *38.13* | |
| | | *For >75 To 100, Deduct* | *-19.06* | |
| | | *For >100 To 200, Deduct* | *-40.87* | |
| | | *For >200, Deduct* | *-59.93* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| 07 53 29 00-0003 | SQ | 100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%)<br>Note: Includes adhesive. | 608.70 | 79.17 |
| | | *For Up To 10, Add* | *153.41* | |
| | | *For >10 To 20, Add* | *84.62* | |
| | | *For >20 To 40, Add* | *46.27* | |
| | | *For >75 To 100, Deduct* | *-23.14* | |
| | | *For >100 To 200, Deduct* | *-50.23* | |
| | | *For >200, Deduct* | *-73.37* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| 07 53 29 00-0004 | SQ | 100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered<br>Note: Includes adhesive. | 732.42 | 103.54 |
| | | *For Up To 10, Add* | *187.90* | |
| | | *For >10 To 20, Add* | *104.30* | |
| | | *For >20 To 40, Add* | *57.33* | |
| | | *For >75 To 100, Deduct* | *-28.66* | |
| | | *For >100 To 200, Deduct* | *-62.51* | |
| | | *For >200, Deduct* | *-91.17* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |

# 07 54 Thermoplastic Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

## 07 54 19 Polyvinyl-Chloride Roofing *(07 54)*

### 07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)*

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

| | | | | |
|---|---|---|---|---|
| 07 54 19 00-0002 | SQ | 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted<br>Note: Includes ballast. | 233.00 | 48.72 |
| | | *For Up To 10, Add* | *66.09* | |
| | | *For >10 To 20, Add* | *37.92* | |
| | | *For >20 To 40, Add* | *21.40* | |
| | | *For >75 To 100, Deduct* | *-10.70* | |
| | | *For >100 To 200, Deduct* | *-23.83* | |
| | | *For >200, Deduct* | *-34.53* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For Colors, Add* | *26.00* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *36.82* | |
| 07 54 19 00-0003 | SQ | 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted<br>Note: Includes ballast. | 258.35 | 51.77 |
| | | *For Up To 10, Add* | *72.38* | |
| | | *For >10 To 20, Add* | *41.37* | |
| | | *For >20 To 40, Add* | *23.27* | |
| | | *For >75 To 100, Deduct* | *-11.64* | |
| | | *For >100 To 200, Deduct* | *-25.86* | |
| | | *For >200, Deduct* | *-37.50* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Colors, Add* | *26.00* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *36.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 54 19 00-0004 | SQ | 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted | 285.99 | 53.29 |
| | | Note: Includes ballast. | | |
| | | *For Up To 10, Add* | *78.51* | |
| | | *For >10 To 20, Add* | *44.59* | |
| | | *For >20 To 40, Add* | *24.96* | |
| | | *For >75 To 100, Deduct* | *-12.48* | |
| | | *For >100 To 200, Deduct* | *-27.62* | |
| | | *For >200, Deduct* | *-40.10* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Colors, Add* | *26.00* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *36.82* | |
| 07 54 19 00-0005 | SQ | 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted | 299.75 | 54.81 |
| | | Note: Includes ballast. | | |
| | | *For Up To 10, Add* | *81.88* | |
| | | *For >10 To 20, Add* | *46.42* | |
| | | *For >20 To 40, Add* | *25.95* | |
| | | *For >75 To 100, Deduct* | *-12.98* | |
| | | *For >100 To 200, Deduct* | *-28.69* | |
| | | *For >200, Deduct* | *-41.67* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Colors, Add* | *26.00* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *36.82* | |
| 07 54 19 00-0006 | SQ | 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered | 450.89 | 97.45 |
| | | Note: Includes adhesive. | | |
| | | *For Up To 10, Add* | *129.16* | |
| | | *For >10 To 20, Add* | *74.32* | |
| | | *For >20 To 40, Add* | *42.03* | |
| | | *For >75 To 100, Deduct* | *-21.02* | |
| | | *For >100 To 200, Deduct* | *-46.91* | |
| | | *For >200, Deduct* | *-67.92* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For Colors, Add* | *26.00* | |
| | | *For Low VOC Adhesive, Add* | *83.59* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *36.82* | |
| 07 54 19 00-0007 | SQ | 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered | 476.23 | 100.49 |
| | | Note: Includes adhesive. | | |
| | | *For Up To 10, Add* | *135.44* | |
| | | *For >10 To 20, Add* | *77.77* | |
| | | *For >20 To 40, Add* | *43.91* | |
| | | *For >75 To 100, Deduct* | *-21.96* | |
| | | *For >100 To 200, Deduct* | *-48.94* | |
| | | *For >200, Deduct* | *-70.89* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Colors, Add* | *26.00* | |
| | | *For Low VOC Adhesive, Add* | *83.59* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *36.82* | |
| 07 54 19 00-0008 | SQ | 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered | 503.88 | 102.01 |
| | | Note: Includes adhesive. | | |
| | | *For Up To 10, Add* | *141.58* | |
| | | *For >10 To 20, Add* | *80.99* | |
| | | *For >20 To 40, Add* | *45.60* | |
| | | *For >75 To 100, Deduct* | *-22.80* | |
| | | *For >100 To 200, Deduct* | *-50.70* | |
| | | *For >200, Deduct* | *-73.50* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Colors, Add* | *26.00* | |
| | | *For Low VOC Adhesive, Add* | *83.59* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *36.82* | |
| 07 54 19 00-0009 | SQ | 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered | 517.63 | 103.54 |
| | | Note: Includes adhesive. | | |
| | | *For Up To 10, Add* | *144.94* | |
| | | *For >10 To 20, Add* | *82.83* | |
| | | *For >20 To 40, Add* | *46.59* | |
| | | *For >75 To 100, Deduct* | *-23.29* | |
| | | *For >100 To 200, Deduct* | *-51.77* | |
| | | *For >200, Deduct* | *-75.06* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Colors, Add* | *26.00* | |
| | | *For Low VOC Adhesive, Add* | *83.59* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *36.82* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 54 19 00-0010 | SQ | 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened<br>Note: Includes fasteners. | 256.96 | 73.09 |
| | | *For Up To 10, Add* | *80.63* | |
| | | *For >10 To 20, Add* | *47.62* | |
| | | *For >20 To 40, Add* | *27.47* | |
| | | *For >75 To 100, Deduct* | *-13.73* | |
| | | *For >100 To 200, Deduct* | *-31.12* | |
| | | *For >200, Deduct* | *-44.85* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For Colors, Add* | *26.00* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *36.82* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *36.54* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *37.86* | |
| 07 54 19 00-0011 | SQ | 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened<br>Note: Includes fasteners. | 282.31 | 76.13 |
| | | *For Up To 10, Add* | *86.91* | |
| | | *For >10 To 20, Add* | *51.07* | |
| | | *For >20 To 40, Add* | *29.34* | |
| | | *For >75 To 100, Deduct* | *-14.67* | |
| | | *For >100 To 200, Deduct* | *-33.15* | |
| | | *For >200, Deduct* | *-47.82* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Colors, Add* | *26.00* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *36.82* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *38.07* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *39.39* | |
| 07 54 19 00-0012 | SQ | 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened<br>Note: Includes fasteners. | 309.97 | 77.65 |
| | | *For Up To 10, Add* | *93.06* | |
| | | *For >10 To 20, Add* | *54.29* | |
| | | *For >20 To 40, Add* | *31.03* | |
| | | *For >75 To 100, Deduct* | *-15.51* | |
| | | *For >100 To 200, Deduct* | *-34.91* | |
| | | *For >200, Deduct* | *-50.43* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Colors, Add* | *26.00* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *36.82* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *38.83* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *40.15* | |
| 07 54 19 00-0013 | SQ | 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened<br>Note: Includes fasteners. | 323.71 | 79.17 |
| | | *For Up To 10, Add* | *96.41* | |
| | | *For >10 To 20, Add* | *56.13* | |
| | | *For >20 To 40, Add* | *32.02* | |
| | | *For >75 To 100, Deduct* | *-16.01* | |
| | | *For >100 To 200, Deduct* | *-35.98* | |
| | | *For >200, Deduct* | *-51.99* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Colors, Add* | *26.00* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *36.82* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *39.59* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *40.91* | |

## 07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*

| | | | | |
|---|---|---|---|---|
| 07 54 19 00-0015 | SQ | Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat | 75.26 | |
| | | *For Up To 10, Add* | *19.92* | |
| | | *For >10 To 20, Add* | *11.18* | |
| | | *For >20 To 40, Add* | *6.20* | |
| | | *For >75 To 100, Deduct* | *-3.10* | |
| | | *For >100 To 200, Deduct* | *-6.81* | |
| | | *For >200, Deduct* | *-9.91* | |
| 07 54 19 00-0016 | SQ | Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat<br>Note: 55% solids by volume. | 77.80 | |
| | | *For Up To 10, Add* | *20.43* | |
| | | *For >10 To 20, Add* | *11.43* | |
| | | *For >20 To 40, Add* | *6.33* | |
| | | *For >75 To 100, Deduct* | *-3.16* | |
| | | *For >100 To 200, Deduct* | *-6.94* | |
| | | *For >200, Deduct* | *-10.10* | |
| 07 54 19 00-0017 | EA | Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot<br>Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band. | 78.32 | 10.35 |
| 07 54 19 00-0018 | EA | >3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot<br>Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band. | 109.62 | 11.57 |
| 07 54 19 00-0019 | EA | >7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot<br>Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band. | 139.99 | 12.79 |
| 07 54 19 00-0020 | EA | 6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket<br>Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer. | 177.71 | 12.79 |
| 07 54 19 00-0021 | LF | 36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad | 31.82 | 7.07 |
| 07 54 19 00-0022 | SF | Polyvinyl Chloride (PVC) Membrane Base Flashing | 8.39 | 1.82 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 54 19 00-0023 | SF | Polyvinyl Chloride (PVC) Membrane Curb Flashing | 10.21 | 2.74 |
| 07 54 19 00-0024 | SF | Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing | 11.27 | 1.82 |
| | | Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel. | | |

## 07 54 19 00-0025 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes) *(07 54 19)*

## 07 54 19 00-0026 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes) *(07 54 19 00-0025)*

Note: Includes integral fiberglass mat reinforcement and hot air welding of seams. Sarnafil® G410 fully adhered membranes meet or exceed all of the requirements of ASTM D4434 Type II. Sarnafil® S327 mechanically attached membranes meet or exceed all of the requirements of ASTM D4434 Type III.

| | | | | |
|---|---|---|---|---|
| 07 54 19 00-0027 | SQ | 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered | 535.22 | 97.45 |
| | | Note: Includes adhesive. | | |
| | | *For Up To 10, Add* | *146.02* | |
| | | *For >10 To 20, Add* | *82.76* | |
| | | *For >20 To 40, Add* | *46.25* | |
| | | *For >75 To 100, Deduct* | *-23.13* | |
| | | *For >100 To 200, Deduct* | *-51.12* | |
| | | *For >200, Deduct* | *-74.25* | |
| | | *For 15 Year Warranty, Add* | *3.71* | |
| | | *For 20 Year Warranty, Add* | *12.99* | |
| | | *For 25 Year Warranty, Add* | *24.12* | |
| | | *For Integral Felt Backing, Add* | *64.91* | |
| 07 54 19 00-0028 | SQ | 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered | 574.81 | 100.49 |
| | | Note: Includes adhesive. | | |
| | | *For Up To 10, Add* | *155.16* | |
| | | *For >10 To 20, Add* | *87.63* | |
| | | *For >20 To 40, Add* | *48.84* | |
| | | *For >75 To 100, Deduct* | *-24.42* | |
| | | *For >100 To 200, Deduct* | *-53.86* | |
| | | *For >200, Deduct* | *-78.28* | |
| | | *For 15 Year Warranty, Add* | *3.71* | |
| | | *For 20 Year Warranty, Add* | *12.99* | |
| | | *For 25 Year Warranty, Add* | *24.12* | |
| | | *For Integral Felt Backing, Add* | *64.91* | |
| 07 54 19 00-0029 | SQ | 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered | 613.45 | 102.01 |
| | | Note: Includes adhesive. | | |
| | | *For Up To 10, Add* | *163.50* | |
| | | *For >10 To 20, Add* | *91.95* | |
| | | *For >20 To 40, Add* | *51.08* | |
| | | *For >75 To 100, Deduct* | *-25.54* | |
| | | *For >100 To 200, Deduct* | *-56.18* | |
| | | *For >200, Deduct* | *-81.71* | |
| | | *For 15 Year Warranty, Add* | *3.71* | |
| | | *For 20 Year Warranty, Add* | *12.99* | |
| | | *For 25 Year Warranty, Add* | *24.12* | |
| | | *For Integral Felt Backing, Add* | *64.91* | |
| 07 54 19 00-0030 | SQ | 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered | 654.19 | 103.54 |
| | | Note: Includes adhesive. | | |
| | | *For Up To 10, Add* | *172.25* | |
| | | *For >10 To 20, Add* | *96.48* | |
| | | *For >20 To 40, Add* | *53.42* | |
| | | *For >75 To 100, Deduct* | *-26.71* | |
| | | *For >100 To 200, Deduct* | *-58.59* | |
| | | *For >200, Deduct* | *-85.30* | |
| | | *For 15 Year Warranty, Add* | *3.71* | |
| | | *For 20 Year Warranty, Add* | *12.99* | |
| | | *For 25 Year Warranty, Add* | *24.12* | |
| | | *For Integral Felt Backing, Add* | *64.91* | |
| 07 54 19 00-0031 | SQ | 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened | 433.02 | 73.09 |
| | | Note: Includes fasteners and plates for mechanically fastening to wood or steel decks. | | |
| | | *For Up To 10, Add* | *115.84* | |
| | | *For >10 To 20, Add* | *65.23* | |
| | | *For >20 To 40, Add* | *36.27* | |
| | | *For >75 To 100, Deduct* | *-18.13* | |
| | | *For >100 To 200, Deduct* | *-39.92* | |
| | | *For >200, Deduct* | *-58.06* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *36.54* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *37.86* | |
| | | *For 15 Year Warranty, Add* | *3.71* | |
| | | *For 20 Year Warranty, Add* | *12.99* | |
| | | *For 25 Year Warranty, Add* | *24.12* | |
| | | *For Integral Felt Backing, Add* | *64.91* | |
| | | *For Mechanically Fastened With Sarnabar, Add* | *38.13* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 54 19 00-0032 | SQ | 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened | 472.61 | 76.13 |
| | | Note: Includes fasteners and plates for mechanically fastening to wood or steel decks. | | |
| | | *For Up To 10, Add* | *124.97* | |
| | | *For >10 To 20, Add* | *70.10* | |
| | | *For >20 To 40, Add* | *38.86* | |
| | | *For >75 To 100, Deduct* | *-19.43* | |
| | | *For >100 To 200, Deduct* | *-42.66* | |
| | | *For >200, Deduct* | *-62.09* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *38.07* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *39.39* | |
| | | *For 15 Year Warranty, Add* | *3.71* | |
| | | *For 20 Year Warranty, Add* | *12.99* | |
| | | *For 25 Year Warranty, Add* | *24.12* | |
| | | *For Integral Felt Backing, Add* | *64.91* | |
| | | *For Mechanically Fastened With Sarnabar, Add* | *38.13* | |
| 07 54 19 00-0033 | SQ | 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened | 511.26 | 77.65 |
| | | Note: Includes fasteners and plates for mechanically fastening to wood or steel decks. | | |
| | | *For Up To 10, Add* | *133.31* | |
| | | *For >10 To 20, Add* | *74.42* | |
| | | *For >20 To 40, Add* | *41.09* | |
| | | *For >75 To 100, Deduct* | *-20.55* | |
| | | *For >100 To 200, Deduct* | *-44.98* | |
| | | *For >200, Deduct* | *-65.52* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *38.83* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *40.15* | |
| | | *For 15 Year Warranty, Add* | *3.71* | |
| | | *For 20 Year Warranty, Add* | *12.99* | |
| | | *For 25 Year Warranty, Add* | *24.12* | |
| | | *For Integral Felt Backing, Add* | *64.91* | |
| | | *For Mechanically Fastened With Sarnabar, Add* | *38.13* | |
| 07 54 19 00-0034 | SQ | 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened | 552.00 | 79.17 |
| | | Note: Includes fasteners and plates for mechanically fastening to wood or steel decks. | | |
| | | *For Up To 10, Add* | *142.07* | |
| | | *For >10 To 20, Add* | *78.95* | |
| | | *For >20 To 40, Add* | *43.44* | |
| | | *For >75 To 100, Deduct* | *-21.72* | |
| | | *For >100 To 200, Deduct* | *-47.40* | |
| | | *For >200, Deduct* | *-69.11* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *39.59* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *40.91* | |
| | | *For 15 Year Warranty, Add* | *3.71* | |
| | | *For 20 Year Warranty, Add* | *12.99* | |
| | | *For 25 Year Warranty, Add* | *24.12* | |
| | | *For Integral Felt Backing, Add* | *64.91* | |
| | | *For Mechanically Fastened With Sarnabar, Add* | *38.13* | |

## 07 54 19 00-0035 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (Sika Sarnafil® EnergySmart Roof® Membranes) *(07 54 19 00-0025)*

| | | | | |
|---|---|---|---|---|
| 07 54 19 00-0036 | LF | 3/4" Wide Multi-Purpose Tape (Sika Sarnafil®) | 1.23 | |
| 07 54 19 00-0037 | LF | Roofing Membrane Aluminum Termination Bar (Sika Sarnafil® Sarnastop) | 5.63 | 1.75 |
| | | Note: Includes fasteners and caulking. | | |
| 07 54 19 00-0038 | EA | 4-1/2" Diameter, Polyvinyl Chloride (PVC) Membrane Prefabricated Patch (Sika Sarnafil® Sarnacircles) | 5.82 | 1.52 |
| 07 54 19 00-0039 | LF | 8" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip) | 6.39 | 1.52 |
| | | Note: Includes aluminum tape. | | |
| 07 54 19 00-0040 | LF | 12" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip) | 6.39 | 1.52 |
| | | Note: Includes aluminum tape. | | |
| 07 54 19 00-0041 | LF | Surface Mount Vertical Termination Bar (Sika Sarnafil® Sarnareglet) | 8.56 | 1.95 |
| | | Note: Includes fasteners, splice plates and caulking. | | |
| 07 54 19 00-0042 | SF | Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® G459) | 8.95 | 1.82 |
| 07 54 19 00-0043 | SF | Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Detail Membrane) | 10.76 | 2.74 |
| 07 54 19 00-0044 | SF | Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing (Sika Sarnafil® Sarnaclad) | 12.93 | 1.82 |
| | | Note: 20 Mil white polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel. | | |
| | | *For Colored PVC, Add* | *1.34* | |
| 07 54 19 00-0045 | LF | 39" Wide, 96 Mil, Polyester Reinforced, Polyvinyl Chloride (PVC) Walkway Protection Pad (Sika Sarnafil® Sarnatred -V) | 34.73 | 7.07 |
| 07 54 19 00-0046 | EA | Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack) | 92.94 | 10.35 |
| | | Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band. | | |
| 07 54 19 00-0047 | EA | >3" To 5" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack) | 95.38 | 11.57 |
| | | Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band. | | |
| 07 54 19 00-0048 | EA | >5" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack) | 97.82 | 12.79 |
| | | Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band. | | |
| 07 54 19 00-0049 | EA | 6" Diameter, Seamless Heavy-Duty Aluminum Roof Drain (Sika Sarnafil® Sarnadrain With U-Flow®) | 1,321.13 | 215.58 |
| 07 54 19 00-0050 | EA | Inside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Inside) | 26.99 | |
| 07 54 19 00-0051 | EA | Outside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Outside) | 26.99 | |
| 07 54 19 00-0052 | SQ | 9 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt NWP), Loose Laid | 64.53 | |
| 07 54 19 00-0053 | SQ | 11 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt), Loose Laid | 101.05 | |
| 07 54 19 00-0054 | SQ | 10 Mil, Low Density Polyethylene, Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap - 10), Loose Laid | 56.25 | |
| 07 54 19 00-0055 | SQ | 32 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap Self-Adhered), Self-Adhering | 158.76 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 54 19 00-0056 | | Snap-On Cover Fascia (Sika Sarnafil® Edge Grip) *(07 54 19 00-0025)* | | |
| 07 54 19 00-0057 | | Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0056)* | | |
| 07 54 19 00-0058 | | Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0057)* | | |
| 07 54 19 00-0059 | | Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0058)* | | |
| 07 54 19 00-0060 | LF | 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) | 22.32 | 3.50 |
| 07 54 19 00-0061 | | Accessories For Mill Finish, Aluminum Snap-On Cover Fascia Systems *(07 54 19 00-0058)* | | |
| 07 54 19 00-0062 | EA | Fascia Overflow Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) | 138.53 | 12.97 |
| 07 54 19 00-0063 | EA | Fascia Spillout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) | 138.53 | 12.97 |
| 07 54 19 00-0064 | EA | Fascia Downspout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) | 169.15 | 12.97 |
| 07 54 19 00-0065 | EA | Inside/Outside Miter For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) | 63.85 | 3.50 |
| 07 54 19 00-0066 | | KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0057)* | | |
| 07 54 19 00-0067 | | KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0066)* | | |
| 07 54 19 00-0068 | LF | 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) | 25.86 | 3.50 |
| 07 54 19 00-0069 | | Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 54 19 00-0066)* | | |
| 07 54 19 00-0070 | EA | Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) | 145.60 | 12.97 |
| 07 54 19 00-0071 | EA | Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) | 145.60 | 12.97 |
| 07 54 19 00-0072 | EA | Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) | 183.29 | 12.97 |
| 07 54 19 00-0073 | EA | Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) | 70.94 | 3.50 |
| 07 54 19 00-0074 | | Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0056)* | | |
| 07 54 19 00-0075 | | KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0074)* | | |
| 07 54 19 00-0076 | | KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0075)* | | |
| 07 54 19 00-0077 | LF | 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) | 23.14 | 3.50 |
| 07 54 19 00-0078 | | Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) *(07 54 19 00-0075)* | | |
| 07 54 19 00-0079 | EA | Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) | 140.16 | 12.97 |
| 07 54 19 00-0080 | EA | Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) | 140.16 | 12.97 |
| 07 54 19 00-0081 | EA | Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) | 172.42 | 12.97 |
| 07 54 19 00-0082 | EA | Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) | 65.48 | 3.50 |

## 07 54 23 Thermoplastic-Polyolefin Roofing *(07 54)*

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)*
Note: Includes polyester fabric reinforcement and hot air welding of seams.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 54 23 00-0002 | SQ | 45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered<br>Note: Includes adhesive. | 465.62 | 97.45 |
| | | *For Up To 10, Add* | *132.10* | |
| | | *For >10 To 20, Add* | *75.80* | |
| | | *For >20 To 40, Add* | *42.77* | |
| | | *For >75 To 100, Deduct* | *-21.39* | |
| | | *For >100 To 200, Deduct* | *-47.64* | |
| | | *For >200, Deduct* | *-69.03* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For Low VOC Adhesive, Add* | *81.35* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *33.25* | |
| 07 54 23 00-0003 | SQ | 50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered<br>Note: Includes adhesive. | 486.90 | 98.97 |
| | | *For Up To 10, Add* | *136.97* | |
| | | *For >10 To 20, Add* | *78.38* | |
| | | *For >20 To 40, Add* | *44.14* | |
| | | *For >75 To 100, Deduct* | *-22.07* | |
| | | *For >100 To 200, Deduct* | *-49.09* | |
| | | *For >200, Deduct* | *-71.16* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Low VOC Adhesive, Add* | *81.35* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *33.25* | |
| 07 54 23 00-0004 | SQ | 60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered<br>Note: Includes adhesive. | 498.07 | 100.49 |
| | | *For Up To 10, Add* | *139.81* | |
| | | *For >10 To 20, Add* | *79.96* | |
| | | *For >20 To 40, Add* | *45.00* | |
| | | *For >75 To 100, Deduct* | *-22.50* | |
| | | *For >100 To 200, Deduct* | *-50.03* | |
| | | *For >200, Deduct* | *-72.53* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Low VOC Adhesive, Add* | *81.35* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *33.25* | |
| 07 54 23 00-0005 | SQ | 80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered<br>Note: Includes adhesive. | 639.57 | 103.54 |
| | | *For Up To 10, Add* | *169.33* | |
| | | *For >10 To 20, Add* | *95.02* | |
| | | *For >20 To 40, Add* | *52.69* | |
| | | *For >75 To 100, Deduct* | *-26.34* | |
| | | *For >100 To 200, Deduct* | *-57.86* | |
| | | *For >200, Deduct* | *-84.21* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Low VOC Adhesive, Add* | *81.35* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *33.25* | |
| 07 54 23 00-0006 | SQ | 45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened<br>Note: Includes fasteners. | 311.22 | 73.09 |
| | | *For Up To 10, Add* | *91.48* | |
| | | *For >10 To 20, Add* | *53.05* | |
| | | *For >20 To 40, Add* | *30.18* | |
| | | *For >75 To 100, Deduct* | *-15.09* | |
| | | *For >100 To 200, Deduct* | *-33.83* | |
| | | *For >200, Deduct* | *-48.92* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *33.25* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *36.54* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *37.86* | |
| 07 54 23 00-0007 | SQ | 50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened<br>Note: Includes fasteners. | 332.51 | 74.61 |
| | | *For Up To 10, Add* | *96.35* | |
| | | *For >10 To 20, Add* | *55.63* | |
| | | *For >20 To 40, Add* | *31.55* | |
| | | *For >75 To 100, Deduct* | *-15.77* | |
| | | *For >100 To 200, Deduct* | *-35.28* | |
| | | *For >200, Deduct* | *-51.05* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *33.25* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *37.31* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *38.63* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 54 23 00-0008 | SQ | 60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened<br>Note: Includes fasteners. | 343.66 | 76.13 |
| | | *For Up To 10, Add* | *99.18* | |
| | | *For >10 To 20, Add* | *57.21* | |
| | | *For >20 To 40, Add* | *32.41* | |
| | | *For >75 To 100, Deduct* | *-16.20* | |
| | | *For >100 To 200, Deduct* | *-36.22* | |
| | | *For >200, Deduct* | *-52.42* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *33.25* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *38.07* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *39.39* | |
| 07 54 23 00-0009 | SQ | 80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened<br>Note: Includes fasteners. | 485.18 | 79.17 |
| | | *For Up To 10, Add* | *128.71* | |
| | | *For >10 To 20, Add* | *72.27* | |
| | | *For >20 To 40, Add* | *40.10* | |
| | | *For >75 To 100, Deduct* | *-20.05* | |
| | | *For >100 To 200, Deduct* | *-44.05* | |
| | | *For >200, Deduct* | *-64.10* | |
| | | *For 15 Year Warranty, Add* | *3.00* | |
| | | *For 20 Year Warranty, Add* | *7.00* | |
| | | *For 25 Year Warranty, Add* | *9.00* | |
| | | *For Integral Polyester Fleece-Backing, Add* | *33.25* | |
| | | *For Mechanically Fastened To Concrete Decks, Add* | *39.59* | |
| | | *For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add* | *40.91* | |
| 07 54 23 00-0010 | | Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)* | | |
| 07 54 23 00-0011 | SQ | Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat | 89.26 | |
| | | *For Up To 10, Add* | *22.72* | |
| | | *For >10 To 20, Add* | *12.58* | |
| | | *For >20 To 40, Add* | *6.90* | |
| | | *For >75 To 100, Deduct* | *-3.45* | |
| | | *For >100 To 200, Deduct* | *-7.51* | |
| | | *For >200, Deduct* | *-10.96* | |
| 07 54 23 00-0012 | SQ | Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat<br>Note: 55% solids by volume. | 77.80 | |
| | | *For Up To 10, Add* | *20.43* | |
| | | *For >10 To 20, Add* | *11.43* | |
| | | *For >20 To 40, Add* | *6.33* | |
| | | *For >75 To 100, Deduct* | *-3.16* | |
| | | *For >100 To 200, Deduct* | *-6.94* | |
| | | *For >200, Deduct* | *-10.10* | |
| | | *For Tan Or Gray Color, Add* | *2.67* | |
| 07 54 23 00-0013 | EA | Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot<br>Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band. | 67.62 | 10.35 |
| 07 54 23 00-0014 | EA | >3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot<br>Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band. | 73.04 | 11.57 |
| 07 54 23 00-0015 | EA | 6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket<br>Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer. | 133.18 | 12.79 |
| 07 54 23 00-0016 | LF | 30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad | 31.43 | 7.07 |
| 07 54 23 00-0017 | SF | Thermoplastic Polyolefin (TPO) Membrane Base Flashing | 8.76 | 1.82 |
| 07 54 23 00-0018 | SF | Thermoplastic Polyolefin (TPO) Curb Flashing | 7.68 | 1.82 |
| | | *For Tan Or Gray Color, Add* | *0.11* | |
| 07 54 23 00-0019 | SF | Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing<br>Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel. | 12.74 | 1.82 |

# 07 55 Protected Membrane Roofing *(07 50)*

## 07 55 52 Modified Bituminous Protected Membrane Roofing *(07 55)*

### 07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.

### 07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.

# 07 56 Fluid-Applied Roofing *(07 50)*

| | | | | |
|---|---|---|---|---|
| 07 56 00 00-0001 | | Neoprene Hypalon Liquid Roofing, 5 Coats *(07 56)* | | |
| 07 56 00 00-0002 | SQ | 60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing | 1,114.24 | 162.46 |
| | | *For Each Additional Coat, Add* | *167.14* | |
| 07 56 00 00-0003 | | Vinyl Spray Liquid Roofing *(07 56)* | | |
| 07 56 00 00-0004 | SQ | 2 Mil Vinyl Liquid Roofing | 1,318.07 | 171.21 |
| 07 56 00 00-0005 | SQ | 4 Mil Vinyl Liquid Roofing | 1,474.90 | 191.20 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 56 00 00-0006** | | **Silicone Elastomeric Liquid Roofing** *(07 56)* | | |
| 07 56 00 00-0007 | SQ | 65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat | 470.26 | 98.10 |
| 07 56 00 00-0008 | SQ | 65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat | 565.34 | 98.10 |
| 07 56 00 00-0009 | SQ | 65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat | 636.84 | 98.10 |
| **07 56 00 00-0010** | | **Urethane Liquid Roofing Membrane** *(07 56)* | | |
| | | Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems. | | |
| 07 56 00 00-0011 | SQ | Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems | 101.28 | |
| 07 56 00 00-0012 | LF | Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems | 5.76 | |
| 07 56 00 00-0013 | SQ | White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ) | 386.13 | |
| 07 56 00 00-0014 | SQ | White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System | 100.01 | |
| 07 56 00 00-0015 | SQ | White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply | 950.70 | |
| 07 56 00 00-0016 | SQ | White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply | 1,436.20 | |
| 07 56 00 00-0017 | SQ | White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply | 983.50 | |
| 07 56 00 00-0018 | SQ | White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ) | 254.69 | |
| 07 56 00 00-0019 | SQ | White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ) With 3/8" Glacial Gravel Surfacing At 125 LBS/SQ | 992.26 | |

## 07 57 Coated Foamed Roofing *(07 50)*

### 07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)*

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

| | | | | |
|---|---|---|---|---|
| **07 57 13 00-0001** | | **Sprayed Polyurethane Foam Roofing Systems** *(07 57 13)* | | |
| **07 57 13 00-0002** | | **Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating** *(07 57 13 00-0001)* | | |
| **07 57 13 00-0003** | | **Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating** *(07 57 13 00-0002)* | | |
| | | Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty. | | |
| 07 57 13 00-0004 | SQ | 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating | 410.50 | 60.54 |
| 07 57 13 00-0005 | SQ | 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating | 493.05 | 64.87 |
| 07 57 13 00-0006 | SQ | 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating | 575.60 | 69.20 |
| 07 57 13 00-0007 | SQ | 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating | 666.38 | 73.52 |
| 07 57 13 00-0008 | SQ | 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating | 757.17 | 77.84 |
| 07 57 13 00-0009 | SQ | 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating | 831.47 | 82.17 |
| 07 57 13 00-0010 | SQ | 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating | 905.79 | 86.50 |
| 07 57 13 00-0011 | SQ | 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating | 988.34 | 90.82 |
| 07 57 13 00-0012 | SQ | 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating | 1,070.89 | 95.14 |
| 07 57 13 00-0013 | SQ | 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating | 1,153.43 | 99.47 |
| 07 57 13 00-0014 | SQ | 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating | 1,235.97 | 103.79 |
| **07 57 13 00-0015** | | **Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating** *(07 57 13 00-0002)* | | |
| | | Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty. | | |
| 07 57 13 00-0016 | SQ | 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating | 423.32 | 60.54 |
| 07 57 13 00-0017 | SQ | 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating | 505.86 | 64.87 |
| 07 57 13 00-0018 | SQ | 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating | 588.42 | 69.20 |
| 07 57 13 00-0019 | SQ | 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating | 670.96 | 73.52 |
| 07 57 13 00-0020 | SQ | 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating | 753.51 | 77.84 |
| 07 57 13 00-0021 | SQ | 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating | 836.05 | 82.17 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 57 13 00-0022 | SQ | 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating | 918.60 | 86.50 |
| 07 57 13 00-0023 | SQ | 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating | 1,001.16 | 90.82 |
| 07 57 13 00-0024 | SQ | 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating | 1,083.70 | 95.14 |
| 07 57 13 00-0025 | SQ | 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating | 1,166.25 | 99.47 |
| 07 57 13 00-0026 | SQ | 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating | 1,248.79 | 103.79 |

### 07 57 13 00-0027 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.

| | | | | |
|---|---|---|---|---|
| 07 57 13 00-0028 | SQ | 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating | 454.44 | 60.54 |
| 07 57 13 00-0029 | SQ | 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating | 534.24 | 64.87 |
| 07 57 13 00-0030 | SQ | 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating | 614.05 | 69.20 |
| 07 57 13 00-0031 | SQ | 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating | 696.59 | 73.52 |
| 07 57 13 00-0032 | SQ | 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating | 779.14 | 77.84 |
| 07 57 13 00-0033 | SQ | 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating | 895.92 | 82.17 |
| 07 57 13 00-0034 | SQ | 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating | 1,012.71 | 86.50 |
| 07 57 13 00-0035 | SQ | 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating | 1,102.22 | 90.82 |
| 07 57 13 00-0036 | SQ | 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating | 1,191.73 | 95.14 |
| 07 57 13 00-0037 | SQ | 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating | 1,281.23 | 99.47 |
| 07 57 13 00-0038 | SQ | 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating | 1,370.73 | 103.79 |

### 07 57 13 00-0039 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating *(07 57 13 00-0001)*

### 07 57 13 00-0040 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.

| | | | | |
|---|---|---|---|---|
| 07 57 13 00-0041 | SQ | 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating | 463.60 | 60.54 |
| 07 57 13 00-0042 | SQ | 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating | 553.10 | 64.87 |
| 07 57 13 00-0043 | SQ | 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating | 642.61 | 69.20 |
| 07 57 13 00-0044 | SQ | 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating | 732.11 | 73.52 |
| 07 57 13 00-0045 | SQ | 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating | 821.62 | 77.84 |
| 07 57 13 00-0046 | SQ | 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating | 911.12 | 82.17 |
| 07 57 13 00-0047 | SQ | 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating | 1,000.63 | 86.50 |
| 07 57 13 00-0048 | SQ | 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating | 1,090.14 | 90.82 |
| 07 57 13 00-0049 | SQ | 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating | 1,179.64 | 95.14 |
| 07 57 13 00-0050 | SQ | 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating | 1,269.14 | 99.47 |
| 07 57 13 00-0051 | SQ | 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating | 1,358.64 | 103.79 |

### 07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.

| | | | | |
|---|---|---|---|---|
| 07 57 13 00-0053 | SQ | 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating | 481.72 | 60.54 |
| 07 57 13 00-0054 | SQ | 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating | 571.23 | 64.87 |
| 07 57 13 00-0055 | SQ | 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating | 660.74 | 69.20 |
| 07 57 13 00-0056 | SQ | 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating | 750.24 | 73.52 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 57 13 00-0057 | SQ | 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating | 839.74 | 77.84 |
| 07 57 13 00-0058 | SQ | 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating | 929.24 | 82.17 |
| 07 57 13 00-0059 | SQ | 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating | 1,018.75 | 86.50 |
| 07 57 13 00-0060 | SQ | 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating | 1,108.27 | 90.82 |
| 07 57 13 00-0061 | SQ | 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating | 1,197.77 | 95.14 |
| 07 57 13 00-0062 | SQ | 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating | 1,287.27 | 99.47 |
| 07 57 13 00-0063 | SQ | 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating | 1,376.77 | 103.79 |

07 57 13 00-0064 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.

| | | | | |
|---|---|---|---|---|
| 07 57 13 00-0065 | SQ | 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating | 495.82 | 60.54 |
| 07 57 13 00-0066 | SQ | 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating | 585.32 | 64.87 |
| 07 57 13 00-0067 | SQ | 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating | 674.84 | 69.20 |
| 07 57 13 00-0068 | SQ | 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating | 764.34 | 73.52 |
| 07 57 13 00-0069 | SQ | 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating | 853.84 | 77.84 |
| 07 57 13 00-0070 | SQ | 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating | 943.34 | 82.17 |
| 07 57 13 00-0071 | SQ | 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating | 1,032.85 | 86.50 |
| 07 57 13 00-0072 | SQ | 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating | 1,122.36 | 90.82 |
| 07 57 13 00-0073 | SQ | 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating | 1,211.87 | 95.14 |
| 07 57 13 00-0074 | SQ | 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating | 1,301.37 | 99.47 |
| 07 57 13 00-0075 | SQ | 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating | 1,390.87 | 103.79 |

## 07 58 Roll Roofing *(07 50)*

07 58 00 00-0001 Prepared Roll Roofing *(07 58)*

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.

| | | | | |
|---|---|---|---|---|
| 07 58 00 00-0002 | SQ | Granule Surfaced, 90 Lb., Asphalt Saturated Organic Felt Roll Roofing | 262.68 | 38.73 |

## 07 59 Membrane Roofing Termination Bar *(07 50)*

07 59 00 00-0001 Membrane Roofing Termination Bar *(07 59)*

| | | | | |
|---|---|---|---|---|
| 07 59 00 00-0002 | LF | Membrane Roofing Termination Bar<br>Note: Includes fasteners and caulking. | 5.40 | 1.75 |

# 07 60 Flashing and Sheet Metal *(07)*

## 07 61 Sheet Metal Roofing *(07 60)*

### 07 61 13 Standing Seam Sheet Metal Roofing *(07 61)*

07 61 13 00-0001 Standing Seam Concealed Fastener Roofing *(07 61 13)*

07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 61 13 00-0003 | SF | Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing | 37.04 | 3.54 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.12* | |
| | | *For 140 MPH Wind Load, Add* | *1.31* | |
| | | *For Up To 1,500, Add* | *9.26* | |
| | | *For Panels < 16" Wide, Add* | *3.16* | |
| | | *For Up To 5000, Add* | *3.70* | |
| | | *For > 5000 To 10000, Add* | *0.93* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 61 13 00-0004 | SF | Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing | 40.56 | 3.83 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.30* | |
| | | *For Panels <16" Wide, Add* | *3.45* | |
| | | *For 140 MPH Wind Load, Add* | *1.42* | |
| | | *For Up To 1,500, Add* | *10.14* | |
| | | *For >1,500 To 5,000, Add* | *6.08* | |
| | | *For >5,000 To 10,000, Add* | *1.01* | |
| | | *For Panels < 16" Wide, Add* | *3.45* | |
| | | *For Up To 5000, Add* | *4.06* | |
| | | *For > 5000 To 10000, Add* | *1.01* | |
| 07 61 13 00-0005 | SF | Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing | 47.83 | 4.18 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.51* | |
| | | *For 140 MPH Wind Load, Add* | *1.62* | |
| | | *For Up To 1,500, Add* | *11.96* | |
| | | *For Panels < 16" Wide, Add* | *3.94* | |
| | | *For Up To 5000, Add* | *4.78* | |
| | | *For > 5000 To 10000, Add* | *1.20* | |
| 07 61 13 00-0006 | | Zinc/Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)* | | |
| 07 61 13 00-0007 | SF | 0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing | 43.34 | 3.83 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.30* | |
| | | *For Panels <16" Wide, Add* | *3.58* | |
| | | *For 140 MPH Wind Load, Add* | *1.48* | |
| | | *For Up To 1,500, Add* | *10.84* | |
| | | *For >1,500 To 5,000, Add* | *6.50* | |
| | | *For >5,000 To 10,000, Add* | *1.08* | |
| | | *For Tin/Copper, Deduct* | *-0.71* | |
| 07 61 13 00-0008 | SF | 0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing | 52.58 | 3.99 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.39* | |
| | | *For Panels <16" Wide, Add* | *4.11* | |
| | | *For 140 MPH Wind Load, Add* | *1.69* | |
| | | *For Up To 1,500, Add* | *13.15* | |
| | | *For >1,500 To 5,000, Add* | *7.89* | |
| | | *For >5,000 To 10,000, Add* | *1.31* | |
| | | *For Tin/Copper, Deduct* | *-0.89* | |
| 07 61 13 00-0009 | SF | 0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing | 59.82 | 4.18 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.51* | |
| | | *For Panels <16" Wide, Add* | *4.54* | |
| | | *For 140 MPH Wind Load, Add* | *1.86* | |
| | | *For Up To 1,500, Add* | *14.96* | |
| | | *For >1,500 To 5,000, Add* | *8.97* | |
| | | *For >5,000 To 10,000, Add* | *1.50* | |
| | | *For Tin/Copper, Deduct* | *-1.03* | |
| 07 61 13 00-0010 | SF | 0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing | 75.13 | 4.38 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.63* | |
| | | *For Panels <16" Wide, Add* | *5.38* | |
| | | *For 140 MPH Wind Load, Add* | *2.20* | |
| | | *For Up To 1,500, Add* | *18.78* | |
| | | *For >1,500 To 5,000, Add* | *11.27* | |
| | | *For >5,000 To 10,000, Add* | *1.88* | |
| | | *For Tin/Copper, Deduct* | *-1.33* | |
| 07 61 13 00-0011 | | Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)* | | |
| 07 61 13 00-0012 | LF | Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing | 156.32 | 7.30 |
| | | *For Steep Roof, Over 6 To 12, Add* | *5.48* | |
| | | *For 140 MPH Wind Load, Add* | *4.59* | |
| 07 61 13 00-0013 | LF | Eave Flashing For Copper Standing Seam Concealed Fastener Roofing | 89.46 | 7.30 |
| | | *For Steep Roof, Over 6 To 12, Add* | *5.48* | |
| | | *For 140 MPH Wind Load, Add* | *3.25* | |
| 07 61 13 00-0014 | LF | Valley Flashing For Copper Standing Seam Concealed Fastener Roofing | 219.53 | 7.30 |
| | | *For Steep Roof, Over 6 To 12, Add* | *5.48* | |
| | | *For 140 MPH Wind Load, Add* | *5.85* | |
| 07 61 13 00-0015 | LF | Hip Flashing For Copper Standing Seam Concealed Fastener Roofing | 161.31 | 7.30 |
| | | *For Steep Roof, Over 6 To 12, Add* | *5.48* | |
| | | *For 140 MPH Wind Load, Add* | *4.69* | |
| **07 61 16** | | **Batten Seam Sheet Metal Roofing** *(07 61)* | | |
| 07 61 16 00-0001 | | Copper Batten Seam Concealed Fastener Roofing *(07 61 16)* | | |
| 07 61 16 00-0002 | | Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)* | | |
| 07 61 16 00-0003 | SF | 16 Ounce Copper Batten Seam Concealed Fastener Roofing | 45.64 | 4.18 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.51* | |
| | | *For Panels <16" Wide, Add* | *3.83* | |
| | | *For 140 MPH Wind Load, Add* | *1.58* | |
| | | *For Up To 1,500, Add* | *11.41* | |
| | | *For >1,500 To 5,000, Add* | *6.85* | |
| | | *For >5,000 To 10,000, Add* | *1.14* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 61 16 00-0004 | SF | 18 Ounce Copper Batten Seam Concealed Fastener Roofing | 50.44 | 4.39 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.63* | |
| | | *For Panels <16" Wide, Add* | *4.14* | |
| | | *For 140 MPH Wind Load, Add* | *1.71* | |
| | | *For Up To 1,500, Add* | *12.61* | |
| | | *For >1,500 To 5,000, Add* | *7.57* | |
| | | *For >5,000 To 10,000, Add* | *1.26* | |
| 07 61 16 00-0005 | SF | 20 Ounce Copper Batten Seam Concealed Fastener Roofing | 58.90 | 4.59 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.76* | |
| | | *For Panels <16" Wide, Add* | *4.65* | |
| | | *For 140 MPH Wind Load, Add* | *1.91* | |
| | | *For Up To 1,500, Add* | *14.73* | |
| | | *For >1,500 To 5,000, Add* | *8.84* | |
| | | *For >5,000 To 10,000, Add* | *1.47* | |
| 07 61 16 00-0006 | | Zinc/Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)* | | |
| 07 61 16 00-0007 | SF | 0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing | 46.41 | 3.83 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.30* | |
| | | *For Panels <16" Wide, Add* | *3.74* | |
| | | *For 140 MPH Wind Load, Add* | *1.54* | |
| | | *For Up To 1,500, Add* | *11.60* | |
| | | *For >1,500 To 5,000, Add* | *6.96* | |
| | | *For >5,000 To 10,000, Add* | *1.16* | |
| | | *For Tin/Copper, Deduct* | *-0.78* | |
| 07 61 16 00-0008 | SF | 0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing | 56.97 | 3.99 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.40* | |
| | | *For Panels <16" Wide, Add* | *4.33* | |
| | | *For 140 MPH Wind Load, Add* | *1.78* | |
| | | *For Up To 1,500, Add* | *14.24* | |
| | | *For >1,500 To 5,000, Add* | *8.55* | |
| | | *For >5,000 To 10,000, Add* | *1.42* | |
| | | *For Tin/Copper, Deduct* | *-0.98* | |
| 07 61 16 00-0009 | SF | 0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing | 63.91 | 4.18 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.51* | |
| | | *For Panels <16" Wide, Add* | *4.74* | |
| | | *For 140 MPH Wind Load, Add* | *1.95* | |
| | | *For Up To 1,500, Add* | *15.98* | |
| | | *For >1,500 To 5,000, Add* | *9.59* | |
| | | *For >5,000 To 10,000, Add* | *1.60* | |
| | | *For Tin/Copper, Deduct* | *-1.11* | |
| 07 61 16 00-0010 | SF | 0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing | 80.40 | 4.38 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.63* | |
| | | *For Panels <16" Wide, Add* | *5.64* | |
| | | *For 140 MPH Wind Load, Add* | *2.31* | |
| | | *For Up To 1,500, Add* | *20.10* | |
| | | *For >1,500 To 5,000, Add* | *12.06* | |
| | | *For >5,000 To 10,000, Add* | *2.01* | |
| | | *For Tin/Copper, Deduct* | *-1.43* | |

## 07 61 19 Flat Seam Sheet Metal Roofing *(07 61)*

07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing *(07 61 19)*

07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 61 19 00-0003 | SF | 16 Ounce Copper Flat Seam Concealed Fastener Roofing | 35.15 | 3.83 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.30* | |
| | | *For Panels <16" Wide, Add* | *3.17* | |
| | | *For 140 MPH Wind Load, Add* | *1.32* | |
| | | *For Up To 1,500, Add* | *8.79* | |
| | | *For >1,500 To 5,000, Add* | *5.27* | |
| | | *For >5,000 To 10,000, Add* | *0.88* | |
| 07 61 19 00-0004 | SF | 18 Ounce Copper Flat Seam Concealed Fastener Roofing | 38.70 | 3.99 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.40* | |
| | | *For Panels <16" Wide, Add* | *3.41* | |
| | | *For 140 MPH Wind Load, Add* | *1.41* | |
| | | *For Up To 1,500, Add* | *9.68* | |
| | | *For >1,500 To 5,000, Add* | *5.81* | |
| | | *For >5,000 To 10,000, Add* | *0.97* | |
| 07 61 19 00-0005 | SF | 20 Ounce Copper Flat Seam Concealed Fastener Roofing | 44.91 | 4.18 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.51* | |
| | | *For Panels <16" Wide, Add* | *3.79* | |
| | | *For 140 MPH Wind Load, Add* | *1.57* | |
| | | *For Up To 1,500, Add* | *11.23* | |
| | | *For >1,500 To 5,000, Add* | *6.74* | |
| | | *For >5,000 To 10,000, Add* | *1.12* | |

07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 61 19 00-0007 | SF | 0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing | 40.56 | 3.83 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.30* | |
| | | *For Panels <16" Wide, Add* | *3.45* | |
| | | *For 140 MPH Wind Load, Add* | *1.42* | |
| | | *For Up To 1,500, Add* | *10.14* | |
| | | *For >1,500 To 5,000, Add* | *6.08* | |
| | | *For >5,000 To 10,000, Add* | *1.01* | |
| | | *For Tin/Copper, Deduct* | *-0.66* | |
| 07 61 19 00-0008 | SF | 0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing | 49.66 | 3.99 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.40* | |
| | | *For Panels <16" Wide, Add* | *3.96* | |
| | | *For 140 MPH Wind Load, Add* | *1.63* | |
| | | *For Up To 1,500, Add* | *12.42* | |
| | | *For >1,500 To 5,000, Add* | *7.45* | |
| | | *For >5,000 To 10,000, Add* | *1.24* | |
| | | *For Tin/Copper, Deduct* | *-0.83* | |
| 07 61 19 00-0009 | SF | 0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing | 55.87 | 4.18 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.51* | |
| | | *For Panels <16" Wide, Add* | *4.34* | |
| | | *For 140 MPH Wind Load, Add* | *1.79* | |
| | | *For Up To 1,500, Add* | *13.97* | |
| | | *For >1,500 To 5,000, Add* | *8.38* | |
| | | *For >5,000 To 10,000, Add* | *1.40* | |
| | | *For Tin/Copper, Deduct* | *-0.95* | |
| 07 61 19 00-0010 | SF | 0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing | 70.16 | 4.38 |
| | | *For Steep Roof, Over 6 To 12, Add* | *2.63* | |
| | | *For Panels <16" Wide, Add* | *5.13* | |
| | | *For 140 MPH Wind Load, Add* | *2.10* | |
| | | *For Up To 1,500, Add* | *17.54* | |
| | | *For >1,500 To 5,000, Add* | *10.52* | |
| | | *For >5,000 To 10,000, Add* | *1.75* | |
| | | *For Tin/Copper, Deduct* | *-1.23* | |

## 07 62 Sheet Metal Flashing and Trim *(07 60)*

### 07 62 13 Fabricated Copings *(07 62)*

#### 07 62 13 00-0001 Lead Flashing And Trim *(07 62 13)*

| | | | | |
|---|---|---|---|---|
| 07 62 13 00-0002 | SF | 2.5 Lb./SF, Sheet Lead Flashing | 24.21 | 5.75 |
| | | *For Up To 100, Add* | *6.05* | |
| 07 62 13 00-0003 | SF | 4 Lb./SF, Sheet Lead Flashing | 31.74 | 5.75 |
| | | *For Up To 100, Add* | *7.94* | |

#### 07 62 13 00-0004 Copper Flashing And Trim *(07 62 13)*

#### 07 62 13 00-0005 Copper Flashing And Trim *(07 62 13 00-0004)*

| | | | | |
|---|---|---|---|---|
| 07 62 13 00-0006 | SF | 16 Ounce, 0.021" Thick, Copper Flashing And Trim | 28.66 | 5.61 |
| | | *For Up To 100, Add* | *7.17* | |
| | | *For >500 To 2,000, Deduct* | *-3.95* | |
| | | *For >2,000, Deduct* | *-4.83* | |
| | | *For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add* | *2.22* | |
| | | *For Wrap Around Window Panning, Add* | *11.10* | |
| 07 62 13 00-0007 | SF | 20 Ounce, 0.027" Thick, Copper Flashing And Trim | 29.59 | 5.75 |
| | | *For Up To 100, Add* | *7.40* | |
| | | *For >500 To 2,000, Deduct* | *-4.08* | |
| | | *For >2,000, Deduct* | *-4.98* | |
| | | *For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add* | *2.32* | |
| | | *For Wrap Around Window Panning, Add* | *11.60* | |
| 07 62 13 00-0008 | SF | 24 Ounce, 0.032" Thick, Copper Flashing And Trim | 33.75 | 6.13 |
| | | *For Up To 100, Add* | *8.44* | |
| | | *For >500 To 2,000, Deduct* | *-4.63* | |
| | | *For >2,000, Deduct* | *-5.71* | |
| | | *For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add* | *2.43* | |
| | | *For Wrap Around Window Panning, Add* | *12.16* | |
| 07 62 13 00-0009 | SF | 32 Ounce, 0.043" Thick, Copper Flashing And Trim | 41.55 | 6.38 |
| | | *For Up To 100, Add* | *10.39* | |
| | | *For >500 To 2,000, Deduct* | *-5.66* | |
| | | *For >2,000, Deduct* | *-7.10* | |
| | | *For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add* | *2.55* | |
| | | *For Wrap Around Window Panning, Add* | *12.76* | |

#### 07 62 13 00-0010 Stainless Steel Flashing And Trim *(07 62 13)*

#### 07 62 13 00-0011 Stainless Steel Flashing And Trim *(07 62 13 00-0010)*

| | | | | |
|---|---|---|---|---|
| 07 62 13 00-0012 | SF | 32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim | 10.45 | 3.06 |
| | | *For Up To 100, Add* | *2.61* | |
| | | *For Wrap Around Window Panning, Add* | *7.88* | |
| | | *For Mechanically Keyed Flashing, Add* | *1.03* | |
| 07 62 13 00-0013 | SF | 30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim | 11.21 | 3.44 |
| | | *For Up To 100, Add* | *2.80* | |
| | | *For Wrap Around Window Panning, Add* | *8.00* | |
| | | *For Mechanically Keyed Flashing, Add* | *1.28* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 62 13 00-0014 | SF | 28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim | 11.98 | 3.82 |
| | | *For Up To 100, Add* | *3.00* | |
| | | *For Wrap Around Window Panning, Add* | *8.13* | |
| | | *For Mechanically Keyed Flashing, Add* | *1.54* | |
| 07 62 13 00-0015 | SF | 26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim | 13.20 | 4.22 |
| | | *For Up To 100, Add* | *3.30* | |
| | | *For Wrap Around Window Panning, Add* | *8.39* | |
| | | *For Mechanically Keyed Flashing, Add* | *1.92* | |
| 07 62 13 00-0016 | SF | 24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim | 15.28 | 4.47 |
| | | *For Up To 100, Add* | *3.82* | |
| | | *For Wrap Around Window Panning, Add* | *8.87* | |
| | | *For Mechanically Keyed Flashing, Add* | *2.56* | |
| 07 62 13 00-0017 | SF | 22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim | 16.62 | 4.69 |
| | | *For Up To 100, Add* | *4.16* | |
| | | *For Wrap Around Window Panning, Add* | *9.38* | |
| | | *For Mechanically Keyed Flashing, Add* | *2.90* | |
| 07 62 13 00-0018 | SF | 20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim | 17.77 | 4.98 |
| | | *For Up To 100, Add* | *4.44* | |
| | | *For Wrap Around Window Panning, Add* | *9.93* | |
| | | *For Mechanically Keyed Flashing, Add* | *3.14* | |
| 07 62 13 00-0019 | | Aluminum Flashing And Trim *(07 62 13)* | | |
| 07 62 13 00-0020 | | Aluminum Flashing And Trim *(07 62 13 00-0019)* | | |
| 07 62 13 00-0021 | SF | 0.013" Thick, Mill Finish, Aluminum Flashing And Trim | 13.12 | 3.95 |
| | | *For Up To 100, Add* | *3.28* | |
| | | *For Baked Aluminum Colors, Add* | *0.43* | |
| | | *For Wrap Around Window Panning, Add* | *8.80* | |
| 07 62 13 00-0022 | SF | 0.016" Thick, Mill Finish, Aluminum Flashing And Trim | 14.06 | 3.95 |
| | | *For Up To 100, Add* | *3.52* | |
| | | *For Baked Aluminum Colors, Add* | *0.53* | |
| | | *For Wrap Around Window Panning, Add* | *8.80* | |
| 07 62 13 00-0023 | SF | 0.019" Thick, Mill Finish, Aluminum Flashing And Trim | 14.81 | 3.95 |
| | | *For Up To 100, Add* | *3.70* | |
| | | *For Baked Aluminum Colors, Add* | *0.60* | |
| | | *For Wrap Around Window Panning, Add* | *8.80* | |
| 07 62 13 00-0024 | SF | 0.024" Thick, Mill Finish, Aluminum Flashing And Trim | 15.89 | 3.95 |
| | | *For Up To 100, Add* | *3.97* | |
| | | *For Baked Aluminum Colors, Add* | *0.71* | |
| | | *For Wrap Around Window Panning, Add* | *8.80* | |
| 07 62 13 00-0025 | SF | 0.032" Thick, Mill Finish, Aluminum Flashing And Trim | 17.40 | 3.95 |
| | | *For Up To 100, Add* | *4.35* | |
| | | *For Baked Aluminum Colors, Add* | *0.86* | |
| | | *For Wrap Around Window Panning, Add* | *8.80* | |
| 07 62 13 00-0026 | SF | 0.040" Thick, Mill Finish, Aluminum Flashing And Trim | 18.33 | 3.95 |
| | | *For Up To 100, Add* | *4.58* | |
| | | *For Baked Aluminum Colors, Add* | *0.95* | |
| | | *For Wrap Around Window Panning, Add* | *8.80* | |
| 07 62 13 00-0027 | SF | 0.050" Thick, Mill Finish, Aluminum Flashing And Trim | 19.08 | 3.95 |
| | | *For Up To 100, Add* | *4.77* | |
| | | *For Baked Aluminum Colors, Add* | *1.03* | |
| | | *For Wrap Around Window Panning, Add* | *8.80* | |
| 07 62 13 00-0028 | | Steel Flashing And Trim *(07 62 13)* | | |
| 07 62 13 00-0029 | | Galvanized Steel Flashing And Trim *(07 62 13 00-0028)* | | |
| 07 62 13 00-0030 | SF | 28 Gauge, 0.019" Thick, Galvanized Steel Flashing | 12.80 | 3.82 |
| | | *For Up To 100, Add* | *3.20* | |
| | | *For Wrap Around Window Panning, Add* | *8.13* | |
| 07 62 13 00-0031 | SF | 26 Gauge, 0.022" Thick, Galvanized Steel Flashing | 13.31 | 4.22 |
| | | *For Up To 100, Add* | *3.33* | |
| | | *For Wrap Around Window Panning, Add* | *8.39* | |
| 07 62 13 00-0032 | SF | 24 Gauge, 0.028" Thick, Galvanized Steel Flashing | 14.19 | 4.47 |
| | | *For Up To 100, Add* | *3.55* | |
| | | *For Wrap Around Window Panning, Add* | *8.87* | |
| 07 62 13 00-0033 | SF | 22 Gauge, 0.034" Thick, Galvanized Steel Flashing | 15.08 | 4.69 |
| | | *For Up To 100, Add* | *3.77* | |
| | | *For Wrap Around Window Panning, Add* | *9.38* | |
| 07 62 13 00-0034 | SF | 20 Gauge, 0.04" Thick, Galvanized Steel Flashing | 16.31 | 4.98 |
| | | *For Up To 100, Add* | *4.08* | |
| | | *For Wrap Around Window Panning, Add* | *9.93* | |

## 07 62 19 Fabricated Gravel Stops and Fasciae *(07 62)*

| | | | | |
|---|---|---|---|---|
| 07 62 19 00-0001 | | Drip Edge *(07 62 19)* | | |
| 07 62 19 00-0002 | | Aluminum Drip Edge *(07 62 19 00-0001)*<br>Note: Girth (stretch-out) equals the total (flattened) width of the drip edge. | | |
| 07 62 19 00-0003 | | KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)* | | |
| 07 62 19 00-0004 | | 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)* | | |
| 07 62 19 00-0005 | LF | Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 13.77 | 1.95 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 62 19 00-0006 | LF | >5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 17.13 | 2.08 |
| 07 62 19 00-0007 | LF | >7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 19.35 | 2.34 |
| 07 62 19 00-0008 | LF | >9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 23.24 | 2.46 |
| 07 62 19 00-0009 | LF | >12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 29.66 | 2.59 |
| **07 62 19 00-0010** | | **0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)* | | |
| 07 62 19 00-0011 | LF | Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 14.72 | 1.95 |
| 07 62 19 00-0012 | LF | >5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 18.18 | 2.08 |
| 07 62 19 00-0013 | LF | >7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 20.93 | 2.34 |
| 07 62 19 00-0014 | LF | >9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 25.14 | 2.46 |
| 07 62 19 00-0015 | LF | >12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 31.46 | 2.59 |
| **07 62 19 00-0016** | | **0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)* | | |
| 07 62 19 00-0017 | LF | Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 15.67 | 1.95 |
| 07 62 19 00-0018 | LF | >5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 19.45 | 2.08 |
| 07 62 19 00-0019 | LF | >7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 22.47 | 2.34 |
| 07 62 19 00-0020 | LF | >9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 27.04 | 2.46 |
| 07 62 19 00-0021 | LF | >12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 34.00 | 2.59 |
| **07 62 19 00-0022** | | **0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)* | | |
| 07 62 19 00-0023 | LF | Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 17.57 | 1.95 |
| 07 62 19 00-0024 | LF | >5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 21.99 | 2.08 |
| 07 62 19 00-0025 | LF | >7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 25.48 | 2.34 |
| 07 62 19 00-0026 | LF | >9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 30.85 | 2.46 |
| 07 62 19 00-0027 | LF | >12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 39.07 | 2.59 |
| **07 62 19 00-0028** | | **0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)* | | |
| 07 62 19 00-0029 | LF | Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 18.20 | 1.95 |
| 07 62 19 00-0030 | LF | >5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 22.94 | 2.08 |
| 07 62 19 00-0031 | LF | >7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 26.48 | 2.34 |
| 07 62 19 00-0032 | LF | >9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 32.12 | 2.46 |
| 07 62 19 00-0033 | LF | >12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 40.76 | 2.59 |
| **07 62 19 00-0034** | | **0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)* | | |
| 07 62 19 00-0035 | LF | Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 20.42 | 1.95 |
| 07 62 19 00-0036 | LF | >5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 25.79 | 2.08 |
| 07 62 19 00-0037 | LF | >7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 29.97 | 2.34 |
| 07 62 19 00-0038 | LF | >9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 36.55 | 2.46 |
| 07 62 19 00-0039 | LF | >12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 46.68 | 2.59 |
| **07 62 19 00-0040** | | **0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)* | | |
| 07 62 19 00-0041 | LF | Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 23.59 | 1.95 |
| 07 62 19 00-0042 | LF | >5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 30.02 | 2.08 |
| 07 62 19 00-0043 | LF | >7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 34.99 | 2.34 |
| 07 62 19 00-0044 | LF | >9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 42.89 | 2.46 |
| 07 62 19 00-0045 | LF | >12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 55.13 | 2.59 |
| **07 62 19 00-0046** | | **0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)* | | |
| 07 62 19 00-0047 | LF | Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 27.40 | 1.95 |
| 07 62 19 00-0048 | LF | >5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 35.09 | 2.08 |
| 07 62 19 00-0049 | LF | >7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 41.01 | 2.34 |
| 07 62 19 00-0050 | LF | >9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 50.50 | 2.46 |
| 07 62 19 00-0051 | LF | >12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge | 65.27 | 2.59 |
| **07 62 19 00-0052** | | **Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0002)* | | |
| **07 62 19 00-0053** | | **0.016" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)* | | |
| 07 62 19 00-0054 | LF | Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge | 11.31 | 1.95 |
| 07 62 19 00-0055 | LF | >5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge | 13.78 | 2.08 |
| 07 62 19 00-0056 | LF | >7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge | 15.48 | 2.34 |
| 07 62 19 00-0057 | LF | >9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge | 18.32 | 2.46 |
| 07 62 19 00-0058 | LF | >12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge | 22.88 | 2.59 |
| **07 62 19 00-0059** | | **0.019" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)* | | |
| 07 62 19 00-0060 | LF | Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge | 11.96 | 1.95 |
| 07 62 19 00-0061 | LF | >5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge | 14.51 | 2.08 |
| 07 62 19 00-0062 | LF | >7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge | 16.57 | 2.34 |
| 07 62 19 00-0063 | LF | >9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge | 19.63 | 2.46 |
| 07 62 19 00-0064 | LF | >12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge | 24.11 | 2.59 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 62 19 00-0065** | | **0.025" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)* | | |
| 07 62 19 00-0066 | LF | Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge | 12.62 | 1.95 |
| 07 62 19 00-0067 | LF | >5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge | 15.39 | 2.08 |
| 07 62 19 00-0068 | LF | >7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge | 17.63 | 2.34 |
| 07 62 19 00-0069 | LF | >9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge | 20.94 | 2.46 |
| 07 62 19 00-0070 | LF | >12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge | 25.86 | 2.59 |
| **07 62 19 00-0071** | | **0.032" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)* | | |
| 07 62 19 00-0072 | LF | Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge | 13.93 | 1.95 |
| 07 62 19 00-0073 | LF | >5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge | 17.14 | 2.08 |
| 07 62 19 00-0074 | LF | >7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge | 19.71 | 2.34 |
| 07 62 19 00-0075 | LF | >9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge | 23.57 | 2.46 |
| 07 62 19 00-0076 | LF | >12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge | 29.36 | 2.59 |
| **07 62 19 00-0077** | | **0.040" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)* | | |
| 07 62 19 00-0078 | LF | Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge | 14.37 | 1.95 |
| 07 62 19 00-0079 | LF | >5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge | 17.79 | 2.08 |
| 07 62 19 00-0080 | LF | >7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge | 20.40 | 2.34 |
| 07 62 19 00-0081 | LF | >9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge | 24.44 | 2.46 |
| 07 62 19 00-0082 | LF | >12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge | 30.53 | 2.59 |
| **07 62 19 00-0083** | | **0.050" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)* | | |
| 07 62 19 00-0084 | LF | Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge | 15.90 | 1.95 |
| 07 62 19 00-0085 | LF | >5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge | 19.76 | 2.08 |
| 07 62 19 00-0086 | LF | >7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge | 22.80 | 2.34 |
| 07 62 19 00-0087 | LF | >9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge | 27.50 | 2.46 |
| 07 62 19 00-0088 | LF | >12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge | 34.61 | 2.59 |
| **07 62 19 00-0089** | | **0.063" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)* | | |
| 07 62 19 00-0090 | LF | Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge | 18.08 | 1.95 |
| 07 62 19 00-0091 | LF | >5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge | 22.67 | 2.08 |
| 07 62 19 00-0092 | LF | >7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge | 26.26 | 2.34 |
| 07 62 19 00-0093 | LF | >9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge | 31.88 | 2.46 |
| 07 62 19 00-0094 | LF | >12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge | 40.44 | 2.59 |
| **07 62 19 00-0095** | | **0.080" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)* | | |
| 07 62 19 00-0096 | LF | Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge | 20.71 | 1.95 |
| 07 62 19 00-0097 | LF | >5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge | 26.17 | 2.08 |
| 07 62 19 00-0098 | LF | >7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge | 30.42 | 2.34 |
| 07 62 19 00-0099 | LF | >9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge | 37.12 | 2.46 |
| 07 62 19 00-0100 | LF | >12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge | 47.43 | 2.59 |
| **07 62 19 00-0101** | | **Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0002)* | | |
| **07 62 19 00-0102** | | **0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)* | | |
| 07 62 19 00-0103 | LF | Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge | 14.24 | 1.95 |
| 07 62 19 00-0104 | LF | >5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge | 17.77 | 2.08 |
| 07 62 19 00-0105 | LF | >7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge | 20.10 | 2.34 |
| 07 62 19 00-0106 | LF | >9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge | 24.19 | 2.46 |
| 07 62 19 00-0107 | LF | >12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge | 30.98 | 2.59 |
| **07 62 19 00-0108** | | **0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)* | | |
| 07 62 19 00-0109 | LF | Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge | 15.25 | 1.95 |
| 07 62 19 00-0110 | LF | >5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge | 18.89 | 2.08 |
| 07 62 19 00-0111 | LF | >7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge | 21.78 | 2.34 |
| 07 62 19 00-0112 | LF | >9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge | 26.21 | 2.46 |
| 07 62 19 00-0113 | LF | >12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge | 32.88 | 2.59 |
| **07 62 19 00-0114** | | **0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)* | | |
| 07 62 19 00-0115 | LF | Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge | 16.26 | 1.95 |
| 07 62 19 00-0116 | LF | >5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge | 20.24 | 2.08 |
| 07 62 19 00-0117 | LF | >7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge | 23.40 | 2.34 |
| 07 62 19 00-0118 | LF | >9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge | 28.22 | 2.46 |
| 07 62 19 00-0119 | LF | >12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge | 35.57 | 2.59 |
| **07 62 19 00-0120** | | **0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)* | | |
| 07 62 19 00-0121 | LF | Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge | 18.27 | 1.95 |
| 07 62 19 00-0122 | LF | >5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge | 22.93 | 2.08 |
| 07 62 19 00-0123 | LF | >7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge | 26.59 | 2.34 |
| 07 62 19 00-0124 | LF | >9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge | 32.26 | 2.46 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 62 19 00-0125 | LF | >12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge | 40.94 | 2.59 |
| **07 62 19 00-0126** | | **0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)* | | |
| 07 62 19 00-0127 | LF | Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge | 18.95 | 1.95 |
| 07 62 19 00-0128 | LF | >5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge | 23.94 | 2.08 |
| 07 62 19 00-0129 | LF | >7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge | 27.66 | 2.34 |
| 07 62 19 00-0130 | LF | >9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge | 33.60 | 2.46 |
| 07 62 19 00-0131 | LF | >12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge | 42.74 | 2.59 |
| **07 62 19 00-0132** | | **0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)* | | |
| 07 62 19 00-0133 | LF | Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge | 21.30 | 1.95 |
| 07 62 19 00-0134 | LF | >5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge | 26.96 | 2.08 |
| 07 62 19 00-0135 | LF | >7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge | 31.35 | 2.34 |
| 07 62 19 00-0136 | LF | >9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge | 38.30 | 2.46 |
| 07 62 19 00-0137 | LF | >12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge | 49.01 | 2.59 |
| **07 62 19 00-0138** | | **0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)* | | |
| 07 62 19 00-0139 | LF | Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge | 24.66 | 1.95 |
| 07 62 19 00-0140 | LF | >5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge | 31.44 | 2.08 |
| 07 62 19 00-0141 | LF | >7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge | 36.67 | 2.34 |
| 07 62 19 00-0142 | LF | >9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge | 45.03 | 2.46 |
| 07 62 19 00-0143 | LF | >12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge | 57.97 | 2.59 |
| **07 62 19 00-0144** | | **0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)* | | |
| 07 62 19 00-0145 | LF | Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge | 28.69 | 1.95 |
| 07 62 19 00-0146 | LF | >5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge | 36.82 | 2.08 |
| 07 62 19 00-0147 | LF | >7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge | 43.06 | 2.34 |
| 07 62 19 00-0148 | LF | >9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge | 53.09 | 2.46 |
| 07 62 19 00-0149 | LF | >12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge | 68.72 | 2.59 |
| **07 62 19 00-0150** | | **Galvanized Steel Drip Edge** *(07 62 19 00-0001)*<br>Note: Girth (stretch-out) equals the total (flattened) width of the drip edge. | | |
| **07 62 19 00-0151** | | **Galvanized Steel Drip Edge** *(07 62 19 00-0150)* | | |
| **07 62 19 00-0152** | | **26 Gauge, Galvanized Steel Drip Edge** *(07 62 19 00-0151)* | | |
| 07 62 19 00-0153 | LF | Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge | 13.13 | 1.95 |
| 07 62 19 00-0154 | LF | >5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge | 16.13 | 2.08 |
| 07 62 19 00-0155 | LF | >7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge | 18.44 | 2.34 |
| 07 62 19 00-0156 | LF | >9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge | 21.97 | 2.46 |
| 07 62 19 00-0157 | LF | >12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge | 27.24 | 2.59 |
| **07 62 19 00-0158** | | **24 Gauge, Galvanized Steel Drip Edge** *(07 62 19 00-0151)* | | |
| 07 62 19 00-0159 | LF | Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge | 14.23 | 1.95 |
| 07 62 19 00-0160 | LF | >5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge | 17.60 | 2.08 |
| 07 62 19 00-0161 | LF | >7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge | 20.18 | 2.34 |
| 07 62 19 00-0162 | LF | >9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge | 24.17 | 2.46 |
| 07 62 19 00-0163 | LF | >12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge | 30.14 | 2.59 |
| **07 62 19 00-0164** | | **KYNAR 500® Finish, Galvanized Steel Drip Edge** *(07 62 19 00-0150)* | | |
| **07 62 19 00-0165** | | **26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge** *(07 62 19 00-0164)* | | |
| 07 62 19 00-0166 | LF | Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge | 16.41 | 1.95 |
| 07 62 19 00-0167 | LF | >5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge | 20.54 | 2.08 |
| 07 62 19 00-0168 | LF | >7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge | 23.64 | 2.34 |
| 07 62 19 00-0169 | LF | >9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge | 28.54 | 2.46 |
| 07 62 19 00-0170 | LF | >12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge | 35.99 | 2.59 |
| **07 62 19 00-0171** | | **24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge** *(07 62 19 00-0164)* | | |
| 07 62 19 00-0172 | LF | Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge | 18.00 | 1.95 |
| 07 62 19 00-0173 | LF | >5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge | 22.67 | 2.08 |
| 07 62 19 00-0174 | LF | >7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge | 26.16 | 2.34 |
| 07 62 19 00-0175 | LF | >9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge | 31.71 | 2.46 |
| 07 62 19 00-0176 | LF | >12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge | 40.22 | 2.59 |
| **07 62 19 00-0177** | | **Stainless Steel Drip Edge** *(07 62 19 00-0001)*<br>Note: Girth (stretch-out) equals the total (flattened) width of the drip edge. | | |
| **07 62 19 00-0178** | | **26 Gauge, Stainless Steel Drip Edge** *(07 62 19 00-0177)* | | |
| 07 62 19 00-0179 | LF | Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge | 22.47 | 1.95 |
| 07 62 19 00-0180 | LF | >5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge | 28.52 | 2.08 |
| 07 62 19 00-0181 | LF | >7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge | 33.21 | 2.34 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 62 19 00-0182 | LF | >9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge | 40.65 | 2.46 |
| 07 62 19 00-0183 | LF | >12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge | 52.13 | 2.59 |
| 07 62 19 00-0184 | | 24 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)* | | |
| 07 62 19 00-0185 | LF | Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge | 27.70 | 1.95 |
| 07 62 19 00-0186 | LF | >5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge | 35.50 | 2.08 |
| 07 62 19 00-0187 | LF | >7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge | 41.52 | 2.34 |
| 07 62 19 00-0188 | LF | >9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge | 51.11 | 2.46 |
| 07 62 19 00-0189 | LF | >12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge | 66.09 | 2.59 |
| 07 62 19 00-0190 | | 22 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)* | | |
| 07 62 19 00-0191 | LF | Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge | 33.86 | 1.95 |
| 07 62 19 00-0192 | LF | >5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge | 43.71 | 2.08 |
| 07 62 19 00-0193 | LF | >7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge | 51.27 | 2.34 |
| 07 62 19 00-0194 | LF | >9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge | 63.43 | 2.46 |
| 07 62 19 00-0195 | LF | >12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge | 82.51 | 2.59 |

## 07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001 Pitch Pockets *(07 63)*
Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 63 00 00-0003 | EA | 4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 96.32 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *20.31* | |
| | | *For Pourable Sealer Filled, Add* | *40.59* | |
| 07 63 00 00-0004 | EA | 6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 116.53 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *45.82* | |
| | | *For Pourable Sealer Filled, Add* | *91.38* | |
| 07 63 00 00-0005 | EA | 8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 142.25 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *81.00* | |
| | | *For Pourable Sealer Filled, Add* | *162.37* | |
| 07 63 00 00-0006 | EA | 8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 156.17 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *101.81* | |
| | | *For Pourable Sealer Filled, Add* | *202.96* | |
| 07 63 00 00-0007 | EA | 8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 169.41 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *121.79* | |
| | | *For Pourable Sealer Filled, Add* | *243.55* | |
| 07 63 00 00-0008 | SF | 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 199.36 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *181.54* | |
| | | *For Pourable Sealer Filled, Add* | *365.33* | |

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 63 00 00-0010 | EA | 4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 96.36 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *20.31* | |
| | | *For Pourable Sealer Filled, Add* | *40.59* | |
| 07 63 00 00-0011 | EA | 6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 116.29 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *45.82* | |
| | | *For Pourable Sealer Filled, Add* | *91.38* | |
| 07 63 00 00-0012 | EA | 8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 142.47 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *81.00* | |
| | | *For Pourable Sealer Filled, Add* | *162.37* | |
| 07 63 00 00-0013 | EA | 8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 159.15 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *101.81* | |
| | | *For Pourable Sealer Filled, Add* | *202.96* | |
| 07 63 00 00-0014 | EA | 8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 172.02 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *121.79* | |
| | | *For Pourable Sealer Filled, Add* | *243.55* | |
| 07 63 00 00-0015 | SF | 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 202.31 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *181.54* | |
| | | *For Pourable Sealer Filled, Add* | *365.33* | |

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 63 00 00-0017 | EA | 4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 94.85 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *20.31* | |
| | | *For Pourable Sealer Filled, Add* | *40.59* | |
| 07 63 00 00-0018 | EA | 6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 113.76 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *45.82* | |
| | | *For Pourable Sealer Filled, Add* | *91.38* | |
| 07 63 00 00-0019 | EA | 8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 134.02 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *81.00* | |
| | | *For Pourable Sealer Filled, Add* | *162.37* | |
| 07 63 00 00-0020 | EA | 8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 146.71 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *101.81* | |
| | | *For Pourable Sealer Filled, Add* | *202.96* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 63 00 00-0021 | EA | 8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 158.41 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *121.79* | |
| | | *For Pourable Sealer Filled, Add* | *243.55* | |
| 07 63 00 00-0022 | SF | 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket | 185.63 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *181.54* | |
| | | *For Pourable Sealer Filled, Add* | *365.33* | |
| 07 63 00 00-0023 | | Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout *(07 63 00 00-0001)* | | |
| | | Note: Includes removing existing filler and refilling with non-shrink grout. | | |
| 07 63 00 00-0024 | EA | Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout | 85.16 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *20.31* | |
| | | *For Pourable Sealer Filled, Add* | *40.59* | |
| 07 63 00 00-0025 | EA | Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout | 97.33 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *45.82* | |
| | | *For Pourable Sealer Filled, Add* | *91.38* | |
| 07 63 00 00-0026 | EA | Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout | 113.45 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *81.00* | |
| | | *For Pourable Sealer Filled, Add* | *162.37* | |
| 07 63 00 00-0027 | EA | Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout | 123.74 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *101.81* | |
| | | *For Pourable Sealer Filled, Add* | *202.96* | |
| 07 63 00 00-0028 | EA | Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout | 134.03 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *121.79* | |
| | | *For Pourable Sealer Filled, Add* | *243.55* | |
| 07 63 00 00-0029 | SF | Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout | 159.74 | |
| | | *For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add* | *181.54* | |
| | | *For Pourable Sealer Filled, Add* | *365.33* | |
| 07 63 00 00-0030 | | Lead Pipe Flashing For Roofs *(07 63)* | | |
| | | Note: Includes 6" skirt base. | | |
| 07 63 00 00-0031 | EA | 1-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3/4" Pipe | 93.96 | 30.79 |
| 07 63 00 00-0032 | EA | 1-1/2" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 1" Pipe | 93.96 | 30.79 |
| 07 63 00 00-0033 | EA | 2-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 2" Pipe | 112.11 | 30.79 |
| 07 63 00 00-0034 | EA | 3-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3" Pipe | 122.49 | 30.79 |
| 07 63 00 00-0035 | EA | 4-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe | 127.67 | 30.79 |
| 07 63 00 00-0036 | EA | 4-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 4" Pipe | 130.27 | 30.79 |
| 07 63 00 00-0037 | EA | 6-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 6" Pipe | 156.20 | 30.79 |
| 07 63 00 00-0038 | EA | 8-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 8" Pipe | 167.87 | 30.79 |
| 07 63 00 00-0039 | | Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing *(07 63)* | | |
| 07 63 00 00-0040 | EA | 2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing | 83.40 | 19.89 |
| 07 63 00 00-0041 | EA | 3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing | 84.75 | 19.89 |
| 07 63 00 00-0042 | EA | 4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing | 89.63 | 19.89 |
| 07 63 00 00-0043 | EA | 6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing | 93.83 | 19.89 |

## 07 65 Flexible Flashing *(07 60)*

### 07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

| | | | | |
|---|---|---|---|---|
| 07 65 16 00-0001 | | Liquid Flashing System For Modified And BUR Systems *(07 65 16)* | | |
| | | See CSI section 07 51 13 00-0036 for ceramic coated roofing granules. | | |
| 07 65 16 00-0002 | SF | 60 Mil, Urethane Elastomer Liquid Applied Flashing | 14.77 | 2.44 |
| | | Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat. | | |

### 07 65 19 Plastic Sheet Flashing *(07 65)*

| | | | | |
|---|---|---|---|---|
| 07 65 19 00-0001 | | Plastic Flashing And Trim *(07 65 19)* | | |
| 07 65 19 00-0002 | | Neoprene Flashing *(07 65 19 00-0001)* | | |
| 07 65 19 00-0003 | | 60 Mil Thick *(07 65 19 00-0002)* | | |
| 07 65 19 00-0004 | LF | 6" Wide Strip, 60 Mil, Neoprene Flashing | 10.73 | 3.48 |
| 07 65 19 00-0005 | LF | 12" Wide Strip, 60 Mil, Neoprene Flashing | 14.13 | 3.74 |
| 07 65 19 00-0006 | LF | 18" Wide Strip, 60 Mil, Neoprene Flashing | 17.92 | 4.13 |
| 07 65 19 00-0007 | LF | 24" Wide Strip, 60 Mil, Neoprene Flashing | 21.92 | 4.65 |

### 07 65 33 Flexible Roof Boot *(07 65)*

| | | | | |
|---|---|---|---|---|
| 07 65 33 00-0001 | | Neoprene Roof Boot *(07 65 33)* | | |
| 07 65 33 00-0002 | EA | 2" Diameter Pipe, Neoprene Roof Boot | 48.85 | 10.72 |
| 07 65 33 00-0003 | EA | 3" Diameter Pipe, Neoprene Roof Boot | 57.31 | 12.00 |
| 07 65 33 00-0004 | EA | 4" Diameter Pipe, Neoprene Roof Boot | 63.59 | 12.91 |

## 07 70 Roof and Wall Specialties and Accessories *(07)*


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 07 71 Roof Specialties *(07 70)*

## 07 71 13 Manufactured Copings *(07 71)*

### 07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

### 07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

| | | | | |
|---|---|---|---|---|
| 07 71 13 00-0003 | LF | 10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats | 35.75 | 2.80 |
| | | *For Up To 25 LF, Add* | *5.44* | |
| | | *For >25 To 100 LF, Add* | *2.72* | |
| | | *For >1,000 LF, Deduct* | *-0.47* | |
| 07 71 13 00-0004 | LF | >14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats | 37.73 | 3.04 |
| | | *For Up To 25 LF, Add* | *5.80* | |
| | | *For >25 To 100 LF, Add* | *2.90* | |
| | | *For >1,000 LF, Deduct* | *-0.51* | |
| 07 71 13 00-0005 | LF | >16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats | 42.97 | 3.19 |
| | | *For Up To 25 LF, Add* | *6.43* | |
| | | *For >25 To 100 LF, Add* | *3.21* | |
| | | *For >1,000 LF, Deduct* | *-0.53* | |
| 07 71 13 00-0006 | LF | >22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats | 49.88 | 3.50 |
| | | *For Up To 25 LF, Add* | *7.32* | |
| | | *For >25 To 100 LF, Add* | *3.66* | |
| | | *For >1,000 LF, Deduct* | *-0.58* | |
| 07 71 13 00-0007 | LF | >30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats | 60.16 | 3.66 |
| | | *For Up To 25 LF, Add* | *8.46* | |
| | | *For >25 To 100 LF, Add* | *4.23* | |
| | | *For >1,000 LF, Deduct* | *-0.61* | |

### 07 71 13 00-0008 Aluminum Copings *(07 71 13)*

### 07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

### 07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

| | | | | |
|---|---|---|---|---|
| 07 71 13 00-0011 | LF | 10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 28.50 | 2.80 |
| | | *For Up To 25 LF, Add* | *4.72* | |
| | | *For >25 To 100 LF, Add* | *2.36* | |
| | | *For >1,000 LF, Deduct* | *-0.47* | |
| 07 71 13 00-0012 | LF | >14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 30.43 | 3.04 |
| | | *For Up To 25 LF, Add* | *5.07* | |
| | | *For >25 To 100 LF, Add* | *2.53* | |
| | | *For >1,000 LF, Deduct* | *-0.51* | |
| 07 71 13 00-0013 | LF | >16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 35.40 | 3.19 |
| | | *For Up To 25 LF, Add* | *5.67* | |
| | | *For >25 To 100 LF, Add* | *2.83* | |
| | | *For >1,000 LF, Deduct* | *-0.53* | |
| 07 71 13 00-0014 | LF | >22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 42.20 | 3.50 |
| | | *For Up To 25 LF, Add* | *6.56* | |
| | | *For >25 To 100 LF, Add* | *3.28* | |
| | | *For >1,000 LF, Deduct* | *-0.58* | |
| 07 71 13 00-0015 | LF | >30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 52.30 | 3.66 |
| | | *For Up To 25 LF, Add* | *7.67* | |
| | | *For >25 To 100 LF, Add* | *3.84* | |
| | | *For >1,000 LF, Deduct* | *-0.61* | |

### 07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

| | | | | |
|---|---|---|---|---|
| 07 71 13 00-0017 | LF | 10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 30.88 | 2.80 |
| | | *For Up To 25 LF, Add* | *4.96* | |
| | | *For >25 To 100 LF, Add* | *2.48* | |
| | | *For >1,000 LF, Deduct* | *-0.47* | |
| 07 71 13 00-0018 | LF | >14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 32.97 | 3.04 |
| | | *For Up To 25 LF, Add* | *5.32* | |
| | | *For >25 To 100 LF, Add* | *2.66* | |
| | | *For >1,000 LF, Deduct* | *-0.51* | |
| 07 71 13 00-0019 | LF | >16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 38.41 | 3.19 |
| | | *For Up To 25 LF, Add* | *5.97* | |
| | | *For >25 To 100 LF, Add* | *2.98* | |
| | | *For >1,000 LF, Deduct* | *-0.53* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 13 00-0020 | LF | >22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 45.84 | 3.50 |
| | | *For Up To 25 LF, Add* | *6.92* | |
| | | *For >25 To 100 LF, Add* | *3.46* | |
| | | *For >1,000 LF, Deduct* | *-0.58* | |
| 07 71 13 00-0021 | LF | >30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 56.91 | 3.66 |
| | | *For Up To 25 LF, Add* | *8.13* | |
| | | *For >25 To 100 LF, Add* | *4.07* | |
| | | *For >1,000 LF, Deduct* | *-0.61* | |

## 07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

| | | | | |
|---|---|---|---|---|
| 07 71 13 00-0023 | LF | 10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 32.84 | 2.80 |
| | | *For Up To 25 LF, Add* | *5.15* | |
| | | *For >25 To 100 LF, Add* | *2.58* | |
| | | *For >1,000 LF, Deduct* | *-0.47* | |
| 07 71 13 00-0024 | LF | >14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 35.23 | 3.04 |
| | | *For Up To 25 LF, Add* | *5.55* | |
| | | *For >25 To 100 LF, Add* | *2.77* | |
| | | *For >1,000 LF, Deduct* | *-0.51* | |
| 07 71 13 00-0025 | LF | >16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 42.15 | 3.19 |
| | | *For Up To 25 LF, Add* | *6.34* | |
| | | *For >25 To 100 LF, Add* | *3.17* | |
| | | *For >1,000 LF, Deduct* | *-0.53* | |
| 07 71 13 00-0026 | LF | >22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 52.54 | 3.50 |
| | | *For Up To 25 LF, Add* | *7.59* | |
| | | *For >25 To 100 LF, Add* | *3.80* | |
| | | *For >1,000 LF, Deduct* | *-0.58* | |
| 07 71 13 00-0027 | LF | >30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats | 67.76 | 3.66 |
| | | *For Up To 25 LF, Add* | *9.22* | |
| | | *For >25 To 100 LF, Add* | *4.61* | |
| | | *For >1,000 LF, Deduct* | *-0.61* | |

## 07 71 13 00-0028 KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

## 07 71 13 00-0029 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

| | | | | |
|---|---|---|---|---|
| 07 71 13 00-0030 | LF | 10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 39.22 | 2.80 |
| | | *For Up To 25 LF, Add* | *5.79* | |
| | | *For >25 To 100 LF, Add* | *2.90* | |
| | | *For >1,000 LF, Deduct* | *-0.47* | |
| 07 71 13 00-0031 | LF | >14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 41.85 | 3.04 |
| | | *For Up To 25 LF, Add* | *6.21* | |
| | | *For >25 To 100 LF, Add* | *3.10* | |
| | | *For >1,000 LF, Deduct* | *-0.51* | |
| 07 71 13 00-0032 | LF | >16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 48.94 | 3.19 |
| | | *For Up To 25 LF, Add* | *7.02* | |
| | | *For >25 To 100 LF, Add* | *3.51* | |
| | | *For >1,000 LF, Deduct* | *-0.53* | |
| 07 71 13 00-0033 | LF | >22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 58.57 | 3.50 |
| | | *For Up To 25 LF, Add* | *8.19* | |
| | | *For >25 To 100 LF, Add* | *4.10* | |
| | | *For >1,000 LF, Deduct* | *-0.58* | |
| 07 71 13 00-0034 | LF | >30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 73.08 | 3.66 |
| | | *For Up To 25 LF, Add* | *9.75* | |
| | | *For >25 To 100 LF, Add* | *4.87* | |
| | | *For >1,000 LF, Deduct* | *-0.61* | |

## 07 71 13 00-0035 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

| | | | | |
|---|---|---|---|---|
| 07 71 13 00-0036 | LF | 10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 42.67 | 2.80 |
| | | *For Up To 25 LF, Add* | *6.14* | |
| | | *For >25 To 100 LF, Add* | *3.07* | |
| | | *For >1,000 LF, Deduct* | *-0.47* | |
| 07 71 13 00-0037 | LF | >14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 45.53 | 3.04 |
| | | *For Up To 25 LF, Add* | *6.58* | |
| | | *For >25 To 100 LF, Add* | *3.29* | |
| | | *For >1,000 LF, Deduct* | *-0.51* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 13 00-0038 | LF | >16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 53.30 | 3.19 |
| | | *For Up To 25 LF, Add* | *7.46* | |
| | | *For >25 To 100 LF, Add* | *3.73* | |
| | | *For >1,000 LF, Deduct* | *-0.53* | |
| 07 71 13 00-0039 | LF | >22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 63.84 | 3.50 |
| | | *For Up To 25 LF, Add* | *8.72* | |
| | | *For >25 To 100 LF, Add* | *4.36* | |
| | | *For >1,000 LF, Deduct* | *-0.58* | |
| 07 71 13 00-0040 | LF | >30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 79.78 | 3.66 |
| | | *For Up To 25 LF, Add* | *10.42* | |
| | | *For >25 To 100 LF, Add* | *5.21* | |
| | | *For >1,000 LF, Deduct* | *-0.61* | |

### 07 71 13 00-0041 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

| | | | | |
|---|---|---|---|---|
| 07 71 13 00-0042 | LF | 10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 45.51 | 2.80 |
| | | *For Up To 25 LF, Add* | *6.42* | |
| | | *For >25 To 100 LF, Add* | *3.21* | |
| | | *For >1,000 LF, Deduct* | *-0.47* | |
| 07 71 13 00-0043 | LF | >14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 48.81 | 3.04 |
| | | *For Up To 25 LF, Add* | *6.91* | |
| | | *For >25 To 100 LF, Add* | *3.45* | |
| | | *For >1,000 LF, Deduct* | *-0.51* | |
| 07 71 13 00-0044 | LF | >16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 58.72 | 3.19 |
| | | *For Up To 25 LF, Add* | *8.00* | |
| | | *For >25 To 100 LF, Add* | *4.00* | |
| | | *For >1,000 LF, Deduct* | *-0.53* | |
| 07 71 13 00-0045 | LF | >22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 73.56 | 3.50 |
| | | *For Up To 25 LF, Add* | *9.69* | |
| | | *For >25 To 100 LF, Add* | *4.85* | |
| | | *For >1,000 LF, Deduct* | *-0.58* | |
| 07 71 13 00-0046 | LF | >30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats | 95.51 | 3.66 |
| | | *For Up To 25 LF, Add* | *11.99* | |
| | | *For >25 To 100 LF, Add* | *6.00* | |
| | | *For >1,000 LF, Deduct* | *-0.61* | |

### 07 71 13 00-0047 Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

### 07 71 13 00-0048 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

| | | | | |
|---|---|---|---|---|
| 07 71 13 00-0049 | LF | 10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 41.29 | 2.80 |
| | | *For Up To 25 LF, Add* | *6.00* | |
| | | *For >25 To 100 LF, Add* | *3.00* | |
| | | *For >1,000 LF, Deduct* | *-0.47* | |
| 07 71 13 00-0050 | LF | >14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 44.06 | 3.04 |
| | | *For Up To 25 LF, Add* | *6.43* | |
| | | *For >25 To 100 LF, Add* | *3.22* | |
| | | *For >1,000 LF, Deduct* | *-0.51* | |
| 07 71 13 00-0051 | LF | >16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 51.55 | 3.19 |
| | | *For Up To 25 LF, Add* | *7.28* | |
| | | *For >25 To 100 LF, Add* | *3.64* | |
| | | *For >1,000 LF, Deduct* | *-0.53* | |
| 07 71 13 00-0052 | LF | >22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 61.73 | 3.50 |
| | | *For Up To 25 LF, Add* | *8.51* | |
| | | *For >25 To 100 LF, Add* | *4.25* | |
| | | *For >1,000 LF, Deduct* | *-0.58* | |
| 07 71 13 00-0053 | LF | >30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 77.10 | 3.66 |
| | | *For Up To 25 LF, Add* | *10.15* | |
| | | *For >25 To 100 LF, Add* | *5.08* | |
| | | *For >1,000 LF, Deduct* | *-0.61* | |

### 07 71 13 00-0054 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 13 00-0055 | LF | 10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 44.95 | 2.80 |
| | | *For Up To 25 LF, Add* | *6.36* | |
| | | *For >25 To 100 LF, Add* | *3.18* | |
| | | *For >1,000 LF, Deduct* | *-0.47* | |
| 07 71 13 00-0056 | LF | >14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 47.96 | 3.04 |
| | | *For Up To 25 LF, Add* | *6.82* | |
| | | *For >25 To 100 LF, Add* | *3.41* | |
| | | *For >1,000 LF, Deduct* | *-0.51* | |
| 07 71 13 00-0057 | LF | >16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 56.18 | 3.19 |
| | | *For Up To 25 LF, Add* | *7.75* | |
| | | *For >25 To 100 LF, Add* | *3.87* | |
| | | *For >1,000 LF, Deduct* | *-0.53* | |
| 07 71 13 00-0058 | LF | >22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 67.32 | 3.50 |
| | | *For Up To 25 LF, Add* | *9.07* | |
| | | *For >25 To 100 LF, Add* | *4.53* | |
| | | *For >1,000 LF, Deduct* | *-0.58* | |
| 07 71 13 00-0059 | LF | >30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 84.20 | 3.66 |
| | | *For Up To 25 LF, Add* | *10.86* | |
| | | *For >25 To 100 LF, Add* | *5.43* | |
| | | *For >1,000 LF, Deduct* | *-0.61* | |

### 07 71 13 00-0060 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

| | | | | |
|---|---|---|---|---|
| 07 71 13 00-0061 | LF | 10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 47.96 | 2.80 |
| | | *For Up To 25 LF, Add* | *6.66* | |
| | | *For >25 To 100 LF, Add* | *3.33* | |
| | | *For >1,000 LF, Deduct* | *-0.47* | |
| 07 71 13 00-0062 | LF | >14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 51.44 | 3.04 |
| | | *For Up To 25 LF, Add* | *7.17* | |
| | | *For >25 To 100 LF, Add* | *3.58* | |
| | | *For >1,000 LF, Deduct* | *-0.51* | |
| 07 71 13 00-0063 | LF | >16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 61.92 | 3.19 |
| | | *For Up To 25 LF, Add* | *8.32* | |
| | | *For >25 To 100 LF, Add* | *4.16* | |
| | | *For >1,000 LF, Deduct* | *-0.53* | |
| 07 71 13 00-0064 | LF | >22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 77.62 | 3.50 |
| | | *For Up To 25 LF, Add* | *10.10* | |
| | | *For >25 To 100 LF, Add* | *5.05* | |
| | | *For >1,000 LF, Deduct* | *-0.58* | |
| 07 71 13 00-0065 | LF | >30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats | 100.87 | 3.66 |
| | | *For Up To 25 LF, Add* | *12.53* | |
| | | *For >25 To 100 LF, Add* | *6.26* | |
| | | *For >1,000 LF, Deduct* | *-0.61* | |

## 07 71 19 Manufactured Gravel Stops and Fasciae *(07 71)*

### 07 71 19 00-0001 Gravel Stop *(07 71 19)*

### 07 71 19 00-0002 Aluminum Gravel Stop *(07 71 19 00-0001)*

### 07 71 19 00-0003 Aluminum Gravel Stop *(07 71 19 00-0002)*

### 07 71 19 00-0004 KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

### 07 71 19 00-0005 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0006 | LF | 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop | 42.19 | 2.21 |
| | | *For Up To 25 LF, Add* | *6.82* | |
| | | *For >25 To 100 LF, Add* | *3.41* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0007 | LF | >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop | 43.65 | 2.59 |
| | | *For Up To 25 LF, Add* | *7.43* | |
| | | *For >25 To 100 LF, Add* | *3.71* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0008 | LF | >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop | 45.15 | 2.85 |
| | | *For Up To 25 LF, Add* | *7.99* | |
| | | *For >25 To 100 LF, Add* | *4.00* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |

### 07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0010 | LF | 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop | 44.82 | 2.21 |
| | | *For Up To 25 LF, Add* | *7.08* | |
| | | *For >25 To 100 LF, Add* | *3.54* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 19 00-0011 | LF | >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop | 46.39 | 2.59 |
| | | *For Up To 25 LF, Add* | *7.70* | |
| | | *For >25 To 100 LF, Add* | *3.85* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0012 | LF | >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop | 48.04 | 2.85 |
| | | *For Up To 25 LF, Add* | *8.28* | |
| | | *For >25 To 100 LF, Add* | *4.14* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |
| **07 71 19 00-0013** | | **0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop** *(07 71 19 00-0004)* | | |
| 07 71 19 00-0014 | LF | 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop | 48.25 | 2.21 |
| | | *For Up To 25 LF, Add* | *7.42* | |
| | | *For >25 To 100 LF, Add* | *3.71* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0015 | LF | >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop | 49.67 | 2.59 |
| | | *For Up To 25 LF, Add* | *8.03* | |
| | | *For >25 To 100 LF, Add* | *4.02* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0016 | LF | >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop | 51.69 | 2.85 |
| | | *For Up To 25 LF, Add* | *8.65* | |
| | | *For >25 To 100 LF, Add* | *4.32* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |
| **07 71 19 00-0017** | | **0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop** *(07 71 19 00-0004)* | | |
| 07 71 19 00-0018 | LF | 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop | 50.57 | 2.21 |
| | | *For Up To 25 LF, Add* | *7.65* | |
| | | *For >25 To 100 LF, Add* | *3.83* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0019 | LF | >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop | 52.08 | 2.59 |
| | | *For Up To 25 LF, Add* | *8.27* | |
| | | *For >25 To 100 LF, Add* | *4.14* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0020 | LF | >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop | 54.24 | 2.85 |
| | | *For Up To 25 LF, Add* | *8.90* | |
| | | *For >25 To 100 LF, Add* | *4.45* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |
| **07 71 19 00-0021** | | **Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0003)* | | |
| **07 71 19 00-0022** | | **0.032" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)* | | |
| 07 71 19 00-0023 | LF | 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop | 27.62 | 2.21 |
| | | *For Up To 25 LF, Add* | *5.36* | |
| | | *For >25 To 100 LF, Add* | *2.68* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0024 | LF | >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop | 29.81 | 2.59 |
| | | *For Up To 25 LF, Add* | *6.05* | |
| | | *For >25 To 100 LF, Add* | *3.02* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0025 | LF | >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop | 32.01 | 2.85 |
| | | *For Up To 25 LF, Add* | *6.68* | |
| | | *For >25 To 100 LF, Add* | *3.34* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |
| **07 71 19 00-0026** | | **0.040" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)* | | |
| 07 71 19 00-0027 | LF | 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop | 29.81 | 2.21 |
| | | *For Up To 25 LF, Add* | *5.58* | |
| | | *For >25 To 100 LF, Add* | *2.79* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0028 | LF | >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop | 31.71 | 2.59 |
| | | *For Up To 25 LF, Add* | *6.24* | |
| | | *For >25 To 100 LF, Add* | *3.12* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0029 | LF | >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop | 33.47 | 2.85 |
| | | *For Up To 25 LF, Add* | *6.82* | |
| | | *For >25 To 100 LF, Add* | *3.41* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |
| **07 71 19 00-0030** | | **0.050" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)* | | |
| 07 71 19 00-0031 | LF | 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop | 32.00 | 2.21 |
| | | *For Up To 25 LF, Add* | *5.80* | |
| | | *For >25 To 100 LF, Add* | *2.90* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0032 | LF | >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop | 33.90 | 2.59 |
| | | *For Up To 25 LF, Add* | *6.45* | |
| | | *For >25 To 100 LF, Add* | *3.23* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 19 00-0033 | LF | >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop | 35.84 | 2.85 |
| | | *For Up To 25 LF, Add* | *7.06* | |
| | | *For >25 To 100 LF, Add* | *3.53* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |

### 07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0035 | LF | 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop | 34.36 | 2.21 |
| | | *For Up To 25 LF, Add* | *6.03* | |
| | | *For >25 To 100 LF, Add* | *3.02* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0036 | LF | >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop | 36.08 | 2.59 |
| | | *For Up To 25 LF, Add* | *6.67* | |
| | | *For >25 To 100 LF, Add* | *3.34* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0037 | LF | >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop | 37.59 | 2.85 |
| | | *For Up To 25 LF, Add* | *7.24* | |
| | | *For >25 To 100 LF, Add* | *3.62* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |

### 07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

### 07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0040 | LF | 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop | 50.28 | 2.21 |
| | | *For Up To 25 LF, Add* | *7.62* | |
| | | *For >25 To 100 LF, Add* | *3.81* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0041 | LF | >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop | 52.09 | 2.59 |
| | | *For Up To 25 LF, Add* | *8.27* | |
| | | *For >25 To 100 LF, Add* | *4.14* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0042 | LF | >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop | 53.71 | 2.85 |
| | | *For Up To 25 LF, Add* | *8.85* | |
| | | *For >25 To 100 LF, Add* | *4.42* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |

### 07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0044 | LF | 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop | 53.44 | 2.21 |
| | | *For Up To 25 LF, Add* | *7.94* | |
| | | *For >25 To 100 LF, Add* | *3.97* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0045 | LF | >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop | 55.38 | 2.59 |
| | | *For Up To 25 LF, Add* | *8.60* | |
| | | *For >25 To 100 LF, Add* | *4.30* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0046 | LF | >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop | 57.15 | 2.85 |
| | | *For Up To 25 LF, Add* | *9.19* | |
| | | *For >25 To 100 LF, Add* | *4.60* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |

### 07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0048 | LF | 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop | 57.55 | 2.21 |
| | | *For Up To 25 LF, Add* | *8.35* | |
| | | *For >25 To 100 LF, Add* | *4.18* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0049 | LF | >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop | 59.31 | 2.59 |
| | | *For Up To 25 LF, Add* | *9.00* | |
| | | *For >25 To 100 LF, Add* | *4.50* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0050 | LF | >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop | 60.80 | 2.85 |
| | | *For Up To 25 LF, Add* | *9.56* | |
| | | *For >25 To 100 LF, Add* | *4.78* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |

### 07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0052 | LF | 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop | 60.34 | 2.21 |
| | | *For Up To 25 LF, Add* | *8.63* | |
| | | *For >25 To 100 LF, Add* | *4.32* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0053 | LF | >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop | 62.21 | 2.59 |
| | | *For Up To 25 LF, Add* | *9.29* | |
| | | *For >25 To 100 LF, Add* | *4.64* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0054 | LF | >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop | 63.80 | 2.85 |
| | | *For Up To 25 LF, Add* | *9.86* | |
| | | *For >25 To 100 LF, Add* | *4.93* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 19 00-0055 | | Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners. | | |
| 07 71 19 00-0056 | | KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)* | | |
| 07 71 19 00-0057 | | 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)* | | |
| 07 71 19 00-0058 | LF | 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat | 47.57 | 2.34 |
| | | *For Up To 25 LF, Add* | *7.61* | |
| | | *For >25 To 100 LF, Add* | *3.80* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0059 | LF | >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat | 50.62 | 2.79 |
| | | *For Up To 25 LF, Add* | *8.43* | |
| | | *For >25 To 100 LF, Add* | *4.22* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0060 | LF | >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat | 54.08 | 3.18 |
| | | *For Up To 25 LF, Add* | *9.25* | |
| | | *For >25 To 100 LF, Add* | *4.62* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |
| 07 71 19 00-0061 | | 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)* | | |
| 07 71 19 00-0062 | LF | 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat | 50.20 | 2.34 |
| | | *For Up To 25 LF, Add* | *7.87* | |
| | | *For >25 To 100 LF, Add* | *3.94* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0063 | LF | >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat | 53.36 | 2.79 |
| | | *For Up To 25 LF, Add* | *8.71* | |
| | | *For >25 To 100 LF, Add* | *4.35* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0064 | LF | >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat | 56.97 | 3.18 |
| | | *For Up To 25 LF, Add* | *9.54* | |
| | | *For >25 To 100 LF, Add* | *4.77* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |
| 07 71 19 00-0065 | | 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)* | | |
| 07 71 19 00-0066 | LF | 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat | 53.62 | 2.34 |
| | | *For Up To 25 LF, Add* | *8.21* | |
| | | *For >25 To 100 LF, Add* | *4.11* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0067 | LF | >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat | 56.64 | 2.79 |
| | | *For Up To 25 LF, Add* | *9.04* | |
| | | *For >25 To 100 LF, Add* | *4.52* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0068 | LF | >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat | 60.61 | 3.18 |
| | | *For Up To 25 LF, Add* | *9.90* | |
| | | *For >25 To 100 LF, Add* | *4.95* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |
| 07 71 19 00-0069 | | 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)* | | |
| 07 71 19 00-0070 | LF | 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat | 55.95 | 2.34 |
| | | *For Up To 25 LF, Add* | *8.45* | |
| | | *For >25 To 100 LF, Add* | *4.22* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0071 | LF | >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat | 59.05 | 2.79 |
| | | *For Up To 25 LF, Add* | *9.28* | |
| | | *For >25 To 100 LF, Add* | *4.64* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0072 | LF | >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat | 63.16 | 3.18 |
| | | *For Up To 25 LF, Add* | *10.16* | |
| | | *For >25 To 100 LF, Add* | *5.08* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |
| 07 71 19 00-0073 | | Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)* | | |
| 07 71 19 00-0074 | | 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 19 00-0075 | LF | 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat | 35.02 | 2.34 |
| | | *For Up To 25 LF, Add* | *6.35* | |
| | | *For >25 To 100 LF, Add* | *3.18* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0076 | LF | >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat | 37.52 | 2.79 |
| | | *For Up To 25 LF, Add* | *7.12* | |
| | | *For >25 To 100 LF, Add* | *3.56* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0077 | LF | >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat | 40.39 | 3.18 |
| | | *For Up To 25 LF, Add* | *7.88* | |
| | | *For >25 To 100 LF, Add* | *3.94* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |

### 07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0079 | LF | 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat | 36.83 | 2.34 |
| | | *For Up To 25 LF, Add* | *6.54* | |
| | | *For >25 To 100 LF, Add* | *3.27* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0080 | LF | >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat | 39.41 | 2.79 |
| | | *For Up To 25 LF, Add* | *7.31* | |
| | | *For >25 To 100 LF, Add* | *3.66* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0081 | LF | >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat | 42.39 | 3.18 |
| | | *For Up To 25 LF, Add* | *8.08* | |
| | | *For >25 To 100 LF, Add* | *4.04* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |

### 07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0083 | LF | 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat | 39.20 | 2.34 |
| | | *For Up To 25 LF, Add* | *6.77* | |
| | | *For >25 To 100 LF, Add* | *3.39* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0084 | LF | >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat | 41.68 | 2.79 |
| | | *For Up To 25 LF, Add* | *7.54* | |
| | | *For >25 To 100 LF, Add* | *3.77* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0085 | LF | >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat | 44.76 | 3.18 |
| | | *For Up To 25 LF, Add* | *8.32* | |
| | | *For >25 To 100 LF, Add* | *4.16* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |

### 07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0087 | LF | 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat | 40.80 | 2.34 |
| | | *For Up To 25 LF, Add* | *6.93* | |
| | | *For >25 To 100 LF, Add* | *3.47* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0088 | LF | >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat | 43.34 | 2.79 |
| | | *For Up To 25 LF, Add* | *7.71* | |
| | | *For >25 To 100 LF, Add* | *3.85* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0089 | LF | >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat | 46.52 | 3.18 |
| | | *For Up To 25 LF, Add* | *8.49* | |
| | | *For >25 To 100 LF, Add* | *4.25* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |

### 07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*

### 07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0092 | LF | 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat | 55.66 | 2.34 |
| | | *For Up To 25 LF, Add* | *8.42* | |
| | | *For >25 To 100 LF, Add* | *4.21* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0093 | LF | >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat | 59.05 | 2.79 |
| | | *For Up To 25 LF, Add* | *9.28* | |
| | | *For >25 To 100 LF, Add* | *4.64* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0094 | LF | >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat | 62.63 | 3.18 |
| | | *For Up To 25 LF, Add* | *10.10* | |
| | | *For >25 To 100 LF, Add* | *5.05* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 71 19 00-0095** | | **0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)* | | |
| 07 71 19 00-0096 | LF | 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat | 58.81 | 2.34 |
| | | *For Up To 25 LF, Add* | *8.73* | |
| | | *For >25 To 100 LF, Add* | *4.37* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0097 | LF | >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat | 62.34 | 2.79 |
| | | *For Up To 25 LF, Add* | *9.61* | |
| | | *For >25 To 100 LF, Add* | *4.80* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0098 | LF | >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat | 66.08 | 3.18 |
| | | *For Up To 25 LF, Add* | *10.45* | |
| | | *For >25 To 100 LF, Add* | *5.22* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |
| **07 71 19 00-0099** | | **0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)* | | |
| 07 71 19 00-0100 | LF | 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat | 62.92 | 2.34 |
| | | *For Up To 25 LF, Add* | *9.14* | |
| | | *For >25 To 100 LF, Add* | *4.57* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0101 | LF | >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat | 66.28 | 2.79 |
| | | *For Up To 25 LF, Add* | *10.00* | |
| | | *For >25 To 100 LF, Add* | *5.00* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0102 | LF | >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat | 69.72 | 3.18 |
| | | *For Up To 25 LF, Add* | *10.81* | |
| | | *For >25 To 100 LF, Add* | *5.41* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |
| **07 71 19 00-0103** | | **0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)* | | |
| 07 71 19 00-0104 | LF | 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat | 65.71 | 2.34 |
| | | *For Up To 25 LF, Add* | *9.42* | |
| | | *For >25 To 100 LF, Add* | *4.71* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0105 | LF | >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat | 69.17 | 2.79 |
| | | *For Up To 25 LF, Add* | *10.29* | |
| | | *For >25 To 100 LF, Add* | *5.14* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0106 | LF | >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat | 72.73 | 3.18 |
| | | *For Up To 25 LF, Add* | *11.11* | |
| | | *For >25 To 100 LF, Add* | *5.56* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |
| **07 71 19 00-0107** | | **Stainless Steel Gravel Stop** *(07 71 19 00-0001)* | | |
| **07 71 19 00-0108** | | **Stainless Steel Gravel Stop** *(07 71 19 00-0107)* | | |
| **07 71 19 00-0109** | | **26 Gauge, Stainless Steel Gravel Stop** *(07 71 19 00-0108)* | | |
| 07 71 19 00-0110 | LF | 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop | 40.46 | 2.21 |
| | | *For Up To 25 LF, Add* | *6.64* | |
| | | *For >25 To 100 LF, Add* | *3.32* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0111 | LF | >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop | 53.13 | 2.59 |
| | | *For Up To 25 LF, Add* | *8.38* | |
| | | *For >25 To 100 LF, Add* | *4.19* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0112 | LF | >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop | 78.69 | 2.85 |
| | | *For Up To 25 LF, Add* | *11.35* | |
| | | *For >25 To 100 LF, Add* | *5.67* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |
| **07 71 19 00-0113** | | **24 Gauge, Stainless Steel Gravel Stop** *(07 71 19 00-0108)* | | |
| 07 71 19 00-0114 | LF | 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop | 50.32 | 2.21 |
| | | *For Up To 25 LF, Add* | *7.63* | |
| | | *For >25 To 100 LF, Add* | *3.81* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0115 | LF | >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop | 66.27 | 2.59 |
| | | *For Up To 25 LF, Add* | *9.69* | |
| | | *For >25 To 100 LF, Add* | *4.85* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 19 00-0116 | LF | >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop | 98.40 | 2.85 |
| | | *For Up To 25 LF, Add* | *13.32* | |
| | | *For >25 To 100 LF, Add* | *6.66* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |

### 07 71 19 00-0117 22 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0118 | LF | 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop | 60.79 | 2.21 |
| | | *For Up To 25 LF, Add* | *8.68* | |
| | | *For >25 To 100 LF, Add* | *4.34* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0119 | LF | >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop | 80.23 | 2.59 |
| | | *For Up To 25 LF, Add* | *11.09* | |
| | | *For >25 To 100 LF, Add* | *5.54* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0120 | LF | >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop | 119.34 | 2.85 |
| | | *For Up To 25 LF, Add* | *15.41* | |
| | | *For >25 To 100 LF, Add* | *7.71* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |

### 07 71 19 00-0121 Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0107)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

### 07 71 19 00-0122 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0123 | LF | 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat | 47.78 | 2.34 |
| | | *For Up To 25 LF, Add* | *7.63* | |
| | | *For >25 To 100 LF, Add* | *3.82* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0124 | LF | >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat | 62.62 | 2.79 |
| | | *For Up To 25 LF, Add* | *9.63* | |
| | | *For >25 To 100 LF, Add* | *4.82* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0125 | LF | >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat | 90.89 | 3.18 |
| | | *For Up To 25 LF, Add* | *12.93* | |
| | | *For >25 To 100 LF, Add* | *6.46* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |

### 07 71 19 00-0126 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0127 | LF | 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat | 57.63 | 2.34 |
| | | *For Up To 25 LF, Add* | *8.62* | |
| | | *For >25 To 100 LF, Add* | *4.31* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0128 | LF | >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat | 75.76 | 2.79 |
| | | *For Up To 25 LF, Add* | *10.95* | |
| | | *For >25 To 100 LF, Add* | *5.47* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0129 | LF | >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat | 110.60 | 3.18 |
| | | *For Up To 25 LF, Add* | *14.90* | |
| | | *For >25 To 100 LF, Add* | *7.45* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |

### 07 71 19 00-0130 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0131 | LF | 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat | 68.10 | 2.34 |
| | | *For Up To 25 LF, Add* | *9.66* | |
| | | *For >25 To 100 LF, Add* | *4.83* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0132 | LF | >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat | 89.72 | 2.79 |
| | | *For Up To 25 LF, Add* | *12.34* | |
| | | *For >25 To 100 LF, Add* | *6.17* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0133 | LF | >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat | 131.54 | 3.18 |
| | | *For Up To 25 LF, Add* | *16.99* | |
| | | *For >25 To 100 LF, Add* | *8.50* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |

### 07 71 19 00-0134 Galvanized Steel Gravel Stop *(07 71 19 00-0001)*

### 07 71 19 00-0135 Galvanized Steel Gravel Stop *(07 71 19 00-0134)*

### 07 71 19 00-0136 KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0135)*

### 07 71 19 00-0137 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0138 | LF | 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop | 38.74 | 2.21 |
| | | *For Up To 25 LF, Add* | *6.47* | |
| | | *For >25 To 100 LF, Add* | *3.24* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0139 | LF | >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop | 40.13 | 2.59 |
| | | *For Up To 25 LF, Add* | *7.08* | |
| | | *For >25 To 100 LF, Add* | *3.54* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 19 00-0140 | LF | >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop | 41.80 | 2.85 |
| | | *For Up To 25 LF, Add* | *7.66* | |
| | | *For >25 To 100 LF, Add* | *3.83* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |

### 07 71 19 00-0141 Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

### 07 71 19 00-0142 KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*

### 07 71 19 00-0143 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0144 | LF | 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat | 44.27 | 2.34 |
| | | *For Up To 25 LF, Add* | *7.28* | |
| | | *For >25 To 100 LF, Add* | *3.64* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0145 | LF | >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat | 47.30 | 2.79 |
| | | *For Up To 25 LF, Add* | *8.10* | |
| | | *For >25 To 100 LF, Add* | *4.05* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0146 | LF | >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat | 50.99 | 3.18 |
| | | *For Up To 25 LF, Add* | *8.94* | |
| | | *For >25 To 100 LF, Add* | *4.47* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |

### 07 71 19 00-0147 Copper Gravel Stop *(07 71 19 00-0001)*

### 07 71 19 00-0148 Copper Gravel Stop *(07 71 19 00-0147)*

### 07 71 19 00-0149 20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0150 | LF | 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop | 64.63 | 2.21 |
| | | *For Up To 25 LF, Add* | *9.06* | |
| | | *For >25 To 100 LF, Add* | *4.53* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0151 | LF | >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop | 74.02 | 2.59 |
| | | *For Up To 25 LF, Add* | *10.47* | |
| | | *For >25 To 100 LF, Add* | *5.23* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0152 | LF | >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop | 85.50 | 2.85 |
| | | *For Up To 25 LF, Add* | *12.03* | |
| | | *For >25 To 100 LF, Add* | *6.01* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |

### 07 71 19 00-0153 16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0154 | LF | 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop | 78.43 | 2.21 |
| | | *For Up To 25 LF, Add* | *10.44* | |
| | | *For >25 To 100 LF, Add* | *5.22* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0155 | LF | >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop | 90.88 | 2.59 |
| | | *For Up To 25 LF, Add* | *12.15* | |
| | | *For >25 To 100 LF, Add* | *6.08* | |
| | | *For >1,000 LF, Deduct* | *-0.77* | |
| 07 71 19 00-0156 | LF | >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop | 103.89 | 2.85 |
| | | *For Up To 25 LF, Add* | *13.87* | |
| | | *For >25 To 100 LF, Add* | *6.93* | |
| | | *For >1,000 LF, Deduct* | *-0.87* | |

### 07 71 19 00-0157 Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

### 07 71 19 00-0158 20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0159 | LF | 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat | 67.27 | 2.34 |
| | | *For Up To 25 LF, Add* | *9.58* | |
| | | *For >25 To 100 LF, Add* | *4.79* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0160 | LF | >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat | 77.39 | 2.79 |
| | | *For Up To 25 LF, Add* | *11.11* | |
| | | *For >25 To 100 LF, Add* | *5.56* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0161 | LF | >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat | 89.78 | 3.18 |
| | | *For Up To 25 LF, Add* | *12.82* | |
| | | *For >25 To 100 LF, Add* | *6.41* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |

### 07 71 19 00-0162 16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 19 00-0163 | LF | 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat | 81.06 | 2.34 |
| | | *For Up To 25 LF, Add* | *10.96* | |
| | | *For >25 To 100 LF, Add* | *5.48* | |
| | | *For >1,000 LF, Deduct* | *-0.71* | |
| 07 71 19 00-0164 | LF | >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat | 94.25 | 2.79 |
| | | *For Up To 25 LF, Add* | *12.80* | |
| | | *For >25 To 100 LF, Add* | *6.40* | |
| | | *For >1,000 LF, Deduct* | *-0.84* | |
| 07 71 19 00-0165 | LF | >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat | 108.17 | 3.18 |
| | | *For Up To 25 LF, Add* | *14.66* | |
| | | *For >25 To 100 LF, Add* | *7.33* | |
| | | *For >1,000 LF, Deduct* | *-0.96* | |

### 07 71 19 00-0166 Fascia *(07 71 19)*

### 07 71 19 00-0167 Snap-On Cover Fascia *(07 71 19 00-0166)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

### 07 71 19 00-0168 Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*

### 07 71 19 00-0169 KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*

### 07 71 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0171 | LF | 3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat | 47.30 | 3.25 |
| | | *For Up To 25 LF, Add* | *7.33* | |
| | | *For >25 To 100 LF, Add* | *3.66* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0172 | LF | >5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat | 53.19 | 3.37 |
| | | *For Up To 25 LF, Add* | *8.02* | |
| | | *For >25 To 100 LF, Add* | *4.01* | |
| | | *For >1,000 LF, Deduct* | *-0.68* | |
| 07 71 19 00-0173 | LF | >7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat | 56.96 | 3.50 |
| | | *For Up To 25 LF, Add* | *8.50* | |
| | | *For >25 To 100 LF, Add* | *4.25* | |
| | | *For >1,000 LF, Deduct* | *-0.70* | |

### 07 71 19 00-0174 Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*

### 07 71 19 00-0175 Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0176 | EA | Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems | 327.97 | 4.54 |
| 07 71 19 00-0177 | EA | Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems | 350.28 | 4.54 |
| 07 71 19 00-0178 | EA | Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems | 364.29 | 4.54 |

### 07 71 19 00-0179 Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0180 | EA | Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems | 267.22 | 4.54 |
| 07 71 19 00-0181 | EA | Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems | 278.48 | 4.54 |
| 07 71 19 00-0182 | EA | Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems | 285.34 | 4.54 |

### 07 71 19 00-0183 Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*

### 07 71 19 00-0184 KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*

### 07 71 19 00-0185 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*

| | | | | |
|---|---|---|---|---|
| 07 71 19 00-0186 | LF | 3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat | 26.91 | 3.25 |
| | | *For Up To 25 LF, Add* | *5.29* | |
| | | *For >25 To 100 LF, Add* | *2.64* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0187 | LF | >5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat | 30.39 | 3.37 |
| | | *For Up To 25 LF, Add* | *5.74* | |
| | | *For >25 To 100 LF, Add* | *2.87* | |
| | | *For >1,000 LF, Deduct* | *-0.68* | |
| 07 71 19 00-0188 | LF | >7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat | 32.23 | 3.50 |
| | | *For Up To 25 LF, Add* | *6.03* | |
| | | *For >25 To 100 LF, Add* | *3.01* | |
| | | *For >1,000 LF, Deduct* | *-0.70* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 19 00-0189 | | 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)* | | |
| 07 71 19 00-0190 | LF | 3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat | 28.24 | 3.25 |
| | | *For Up To 25 LF, Add* | *5.42* | |
| | | *For >25 To 100 LF, Add* | *2.71* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0191 | LF | >5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat | 32.11 | 3.37 |
| | | *For Up To 25 LF, Add* | *5.91* | |
| | | *For >25 To 100 LF, Add* | *2.96* | |
| | | *For >1,000 LF, Deduct* | *-0.68* | |
| 07 71 19 00-0192 | LF | >7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat | 34.16 | 3.50 |
| | | *For Up To 25 LF, Add* | *6.22* | |
| | | *For >25 To 100 LF, Add* | *3.11* | |
| | | *For >1,000 LF, Deduct* | *-0.70* | |
| 07 71 19 00-0193 | | Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)* | | |
| 07 71 19 00-0194 | | Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)* | | |
| 07 71 19 00-0195 | EA | Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems | 171.58 | 4.54 |
| 07 71 19 00-0196 | EA | Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems | 186.02 | 4.54 |
| 07 71 19 00-0197 | EA | Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems | 192.33 | 4.54 |
| 07 71 19 00-0198 | | Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)* | | |
| 07 71 19 00-0199 | EA | Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems | 136.01 | 4.54 |
| 07 71 19 00-0200 | EA | Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems | 143.19 | 4.54 |
| 07 71 19 00-0201 | EA | Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems | 146.34 | 4.54 |
| 07 71 19 00-0202 | | Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)* | | |
| 07 71 19 00-0203 | | 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)* | | |
| 07 71 19 00-0204 | LF | 3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat | 30.99 | 3.25 |
| | | *For Up To 25 LF, Add* | *5.70* | |
| | | *For >25 To 100 LF, Add* | *2.85* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0205 | LF | >5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat | 35.12 | 3.37 |
| | | *For Up To 25 LF, Add* | *6.21* | |
| | | *For >25 To 100 LF, Add* | *3.11* | |
| | | *For >1,000 LF, Deduct* | *-0.68* | |
| 07 71 19 00-0206 | LF | >7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat | 37.28 | 3.50 |
| | | *For Up To 25 LF, Add* | *6.53* | |
| | | *For >25 To 100 LF, Add* | *3.27* | |
| | | *For >1,000 LF, Deduct* | *-0.70* | |
| 07 71 19 00-0207 | | 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)* | | |
| 07 71 19 00-0208 | LF | 3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat | 32.60 | 3.25 |
| | | *For Up To 25 LF, Add* | *5.86* | |
| | | *For >25 To 100 LF, Add* | *2.93* | |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 07 71 19 00-0209 | LF | >5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat | 37.18 | 3.37 |
| | | *For Up To 25 LF, Add* | *6.42* | |
| | | *For >25 To 100 LF, Add* | *3.21* | |
| | | *For >1,000 LF, Deduct* | *-0.68* | |
| 07 71 19 00-0210 | LF | >7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat | 39.59 | 3.50 |
| | | *For Up To 25 LF, Add* | *6.76* | |
| | | *For >25 To 100 LF, Add* | *3.38* | |
| | | *For >1,000 LF, Deduct* | *-0.70* | |

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| CSI | | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 07 71 19 00-0211 | | | Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)* | | |
| 07 71 19 00-0212 | | | Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)* | | |
| 07 71 19 00-0213 | | EA | Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems | 212.21 | 4.54 |
| 07 71 19 00-0214 | | EA | Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems | 230.25 | 4.54 |
| 07 71 19 00-0215 | | EA | Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems | 238.14 | 4.54 |
| 07 71 19 00-0216 | | | Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)* | | |
| 07 71 19 00-0217 | | EA | Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems | 167.74 | 4.54 |
| 07 71 19 00-0218 | | EA | Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems | 176.72 | 4.54 |
| 07 71 19 00-0219 | | EA | Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems | 180.65 | 4.54 |
| **07 71 23** | | | **Manufactured Gutters and Downspouts** *(07 71)* | | |
| | | | Note: Includes all necessary support straps. | | |
| 07 71 23 00-0001 | | | Aluminum Gutters And Downspouts *(07 71 23)* | | |
| 07 71 23 00-0002 | | | Aluminum Gutters *(07 71 23 00-0001)* | | |
| | | | Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts. | | |
| 07 71 23 00-0003 | | | K-Style Aluminum Gutters *(07 71 23 00-0002)* | | |
| 07 71 23 00-0004 | | LF | 5", 0.027" Thick, K-Style Aluminum Gutter | 11.18 | 4.72 |
| | | | *For Up To 100', Add* | *2.29* | |
| | | | *For >100' To 250', Add* | *0.95* | |
| | | | *For >1,000', Deduct* | *-0.78* | |
| | | | *For Kynar 500® Finish, Add* | *1.53* | |
| 07 71 23 00-0005 | | LF | 6", 0.027" Thick, K-Style Aluminum Gutter | 12.49 | 4.98 |
| | | | *For Up To 100', Add* | *2.47* | |
| | | | *For >100' To 250', Add* | *1.03* | |
| | | | *For >1,000', Deduct* | *-0.82* | |
| | | | *For Kynar 500® Finish, Add* | *1.94* | |
| 07 71 23 00-0006 | | LF | 5", 0.032" Thick, K-Style Aluminum Gutter | 11.67 | 4.72 |
| | | | *For Up To 100', Add* | *2.34* | |
| | | | *For >100' To 250', Add* | *0.97* | |
| | | | *For >1,000', Deduct* | *-0.78* | |
| | | | *For Kynar 500® Finish, Add* | *1.75* | |
| 07 71 23 00-0007 | | LF | 6", 0.032" Thick, K-Style Aluminum Gutter | 13.12 | 4.98 |
| | | | *For Up To 100', Add* | *2.54* | |
| | | | *For >100' To 250', Add* | *1.06* | |
| | | | *For >1,000', Deduct* | *-0.82* | |
| | | | *For Kynar 500® Finish, Add* | *2.23* | |
| 07 71 23 00-0008 | | LF | 7", 0.032" Thick, K-Style Aluminum Gutter | 24.81 | 5.23 |
| | | | *For Up To 100', Add* | *3.80* | |
| | | | *For >100' To 250', Add* | *1.68* | |
| | | | *For >1,000', Deduct* | *-0.88* | |
| | | | *For Kynar 500® Finish, Add* | *7.20* | |
| 07 71 23 00-0009 | | LF | 8", 0.032" Thick, K-Style Aluminum Gutter | 27.20 | 5.87 |
| | | | *For Up To 100', Add* | *4.18* | |
| | | | *For >100' To 250', Add* | *1.85* | |
| | | | *For >1,000', Deduct* | *-0.97* | |
| | | | *For Kynar 500® Finish, Add* | *7.88* | |
| 07 71 23 00-0010 | | LF | 8", 0.040" Thick, K-Style Aluminum Gutter | 30.58 | 5.87 |
| | | | *For Up To 100', Add* | *4.51* | |
| | | | *For >100' To 250', Add* | *2.01* | |
| | | | *For >1,000', Deduct* | *-0.97* | |
| | | | *For Kynar 500® Finish, Add* | *9.40* | |
| 07 71 23 00-0011 | | | Half Round Aluminum Gutters *(07 71 23 00-0002)* | | |
| 07 71 23 00-0012 | | LF | 5", 0.027" Thick, Half Round Aluminum Gutter | 20.96 | 4.72 |
| | | | *For Up To 100', Add* | *3.26* | |
| | | | *For >100' To 250', Add* | *1.44* | |
| | | | *For >1,000', Deduct* | *-0.78* | |
| | | | *For Kynar 500® Finish, Add* | *5.93* | |
| 07 71 23 00-0013 | | LF | 6", 0.032" Thick, Half Round Aluminum Gutter | 25.32 | 4.98 |
| | | | *For Up To 100', Add* | *3.76* | |
| | | | *For >100' To 250', Add* | *1.67* | |
| | | | *For >1,000', Deduct* | *-0.82* | |
| | | | *For Kynar 500® Finish, Add* | *7.72* | |
| 07 71 23 00-0014 | | | Box Style Aluminum Gutters *(07 71 23 00-0002)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 23 00-0015 | LF | 6", 0.027" Thick, Box Style Aluminum Gutter | 21.92 | 5.87 |
| | | *For Up To 100', Add* | *3.65* | |
| | | *For >100' To 250', Add* | *1.58* | |
| | | *For >1,000', Deduct* | *-0.97* | |
| | | *For Kynar 500® Finish, Add* | *5.50* | |
| 07 71 23 00-0016 | LF | 6", 0.032" Thick, Box Style Aluminum Gutter | 21.98 | 5.87 |
| | | *For Up To 100', Add* | *3.65* | |
| | | *For >100' To 250', Add* | *1.58* | |
| | | *For >1,000', Deduct* | *-0.97* | |
| | | *For Kynar 500® Finish, Add* | *5.53* | |
| 07 71 23 00-0017 | LF | 7", 0.032" Thick, Box Style Aluminum Gutter | 25.64 | 6.25 |
| | | *For Up To 100', Add* | *4.11* | |
| | | *For >100' To 250', Add* | *1.80* | |
| | | *For >1,000', Deduct* | *-1.03* | |
| | | *For Kynar 500® Finish, Add* | *6.89* | |
| 07 71 23 00-0018 | LF | 8", 0.032" Thick, Box Style Aluminum Gutter | 29.00 | 6.63 |
| | | *For Up To 100', Add* | *4.55* | |
| | | *For >100' To 250', Add* | *2.00* | |
| | | *For >1,000', Deduct* | *-1.10* | |
| | | *For Kynar 500® Finish, Add* | *8.11* | |

### 07 71 23 00-0019 Aluminum Gutter End Caps *(07 71 23 00-0001)*

### 07 71 23 00-0020 K-Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0021 | EA | 5", K-Style Aluminum Gutter End Cap | 3.74 | |
| | | *For Kynar 500® Finish, Add* | *0.53* | |
| 07 71 23 00-0022 | EA | 6", K-Style Aluminum Gutter End Cap | 4.70 | |
| | | *For Kynar 500® Finish, Add* | *0.96* | |
| 07 71 23 00-0023 | EA | 7", K-Style Aluminum Gutter End Cap | 10.52 | |
| | | *For Kynar 500® Finish, Add* | *3.58* | |
| 07 71 23 00-0024 | EA | 8", K-Style Aluminum Gutter End Cap | 12.30 | |
| | | *For Kynar 500® Finish, Add* | *4.38* | |

### 07 71 23 00-0025 Half Round, Aluminum Gutter End Caps *(07 71 23 00-0019)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0026 | EA | 5", Half Round Aluminum Gutter End Cap | 6.19 | |
| | | *For Kynar 500® Finish, Add* | *1.63* | |
| 07 71 23 00-0027 | EA | 6", Half Round Aluminum Gutter End Cap | 9.72 | |
| | | *For Kynar 500® Finish, Add* | *3.22* | |

### 07 71 23 00-0028 Box Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0029 | EA | 6", Box Style Aluminum Gutter End Cap | 11.50 | |
| | | *For Kynar 500® Finish, Add* | *4.02* | |
| 07 71 23 00-0030 | EA | 7", Box Style Aluminum Gutter End Cap | 12.53 | |
| | | *For Kynar 500® Finish, Add* | *4.49* | |
| 07 71 23 00-0031 | EA | 8", Box Style Aluminum Gutter End Cap | 14.75 | |
| | | *For Kynar 500® Finish, Add* | *5.49* | |

### 07 71 23 00-0032 Aluminum Gutter Miters *(07 71 23 00-0001)*

Note: Inside or outside miters.

### 07 71 23 00-0033 K-Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0034 | EA | 5", K-Style Aluminum Gutter Miter | 22.21 | |
| | | *For Kynar 500® Finish, Add* | *4.19* | |
| 07 71 23 00-0035 | EA | 6", K-Style Aluminum Gutter Miter | 29.92 | |
| | | *For Kynar 500® Finish, Add* | *7.26* | |
| 07 71 23 00-0036 | EA | 7", K-Style Aluminum Gutter Miter | 92.30 | |
| | | *For Kynar 500® Finish, Add* | *34.93* | |
| 07 71 23 00-0037 | EA | 8", K-Style Aluminum Gutter Miter | 100.23 | |
| | | *For Kynar 500® Finish, Add* | *38.04* | |

### 07 71 23 00-0038 Half Round, Aluminum Gutter Miters *(07 71 23 00-0032)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0039 | EA | 5", Half Round Aluminum Gutter Miter | 39.32 | |
| | | *For Kynar 500® Finish, Add* | *11.89* | |
| 07 71 23 00-0040 | EA | 6", Half Round Aluminum Gutter Miter | 62.46 | |
| | | *For Kynar 500® Finish, Add* | *21.90* | |

### 07 71 23 00-0041 Box Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0042 | EA | 6", Box Style Aluminum Gutter Miter | 74.63 | |
| | | *For Kynar 500® Finish, Add* | *27.38* | |
| 07 71 23 00-0043 | EA | 7", Box Style Aluminum Gutter Miter | 111.72 | |
| | | *For Kynar 500® Finish, Add* | *43.67* | |
| 07 71 23 00-0044 | EA | 8", Box Style Aluminum Gutter Miter | 121.36 | |
| | | *For Kynar 500® Finish, Add* | *47.55* | |

### 07 71 23 00-0045 Aluminum Gutter Wire Strainers *(07 71 23 00-0001)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 23 00-0046 | EA | 3" Diameter, Round Aluminum Wire Strainer | 16.20 | 3.19 |
| | | *For Kynar 500® Finish, Add* | *4.30* | |
| | | *For 0.024" Thick, Add* | *1.34* | |
| | | *For 0.027" Thick, Add* | *2.77* | |
| | | *For 0.031" Thick, Add* | *4.01* | |
| 07 71 23 00-0047 | EA | 4" Diameter, Round Aluminum Wire Strainer | 24.24 | 3.19 |
| | | *For Kynar 500® Finish, Add* | *7.92* | |
| | | *For 0.024" Thick, Add* | *2.46* | |
| | | *For 0.027" Thick, Add* | *5.10* | |
| | | *For 0.031" Thick, Add* | *7.39* | |

## 07 71 23 00-0048 Aluminum Downspouts *(07 71 23 00-0001)*

Note: Includes elbows, hangers and fasteners.

## 07 71 23 00-0049 Round Aluminum Downspouts *(07 71 23 00-0048)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0050 | LF | 3" Diameter, 0.019" Thick, Round Aluminum Downspout | 7.97 | 3.06 |
| | | *For Up To 100', Add* | *1.30* | |
| | | *For >100 To 250', Add* | *0.56* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *2.09* | |
| | | *For 0.024" Thick, Add* | *0.65* | |
| | | *For 0.027" Thick, Add* | *1.35* | |
| | | *For 0.031" Thick, Add* | *1.95* | |
| 07 71 23 00-0051 | LF | 4" Diameter, 0.019" Thick, Round Aluminum Downspout | 9.06 | 3.06 |
| | | *For Up To 100', Add* | *1.40* | |
| | | *For >100 To 250', Add* | *0.62* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *2.58* | |
| | | *For 0.024" Thick, Add* | *0.80* | |
| | | *For 0.027" Thick, Add* | *1.66* | |
| | | *For 0.031" Thick, Add* | *2.41* | |

## 07 71 23 00-0052 Rectangular Aluminum Downspouts *(07 71 23 00-0048)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0053 | LF | 2" x 3", 0.019" Thick, Rectangular Aluminum Downspout | 5.70 | 3.06 |
| | | *For Up To 100', Add* | *1.07* | |
| | | *For >100 To 250', Add* | *0.45* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *1.07* | |
| | | *For 0.024" Thick, Add* | *0.33* | |
| | | *For 0.027" Thick, Add* | *0.69* | |
| | | *For 0.031" Thick, Add* | *1.00* | |
| 07 71 23 00-0054 | LF | 3" x 4", 0.019" Thick, Rectangular Aluminum Downspout | 7.09 | 3.06 |
| | | *For Up To 100', Add* | *1.21* | |
| | | *For >100 To 250', Add* | *0.52* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *1.70* | |
| | | *For 0.024" Thick, Add* | *0.53* | |
| | | *For 0.027" Thick, Add* | *1.09* | |
| | | *For 0.031" Thick, Add* | *1.58* | |
| 07 71 23 00-0055 | LF | 4" x 5", 0.019" Thick, Rectangular Aluminum Downspout | 12.92 | 3.06 |
| | | *For Up To 100', Add* | *1.79* | |
| | | *For >100 To 250', Add* | *0.81* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *4.32* | |
| | | *For 0.024" Thick, Add* | *1.34* | |
| | | *For 0.027" Thick, Add* | *2.78* | |
| | | *For 0.031" Thick, Add* | *4.03* | |

## 07 71 23 00-0056 Aluminum Devices *(07 71 23 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0057 | EA | Thru-Wall Aluminum Scupper Outlet | 274.71 | 29.04 |
| | | *For Kynar 500® Finish, Add* | *80.05* | |
| 07 71 23 00-0058 | EA | Aluminum Leader/Conductor Head | 266.76 | 32.28 |
| | | *For Kynar 500® Finish, Add* | *91.00* | |

## 07 71 23 00-0059 Copper Gutters And Downspouts *(07 71 23)*

## 07 71 23 00-0060 Copper Gutters *(07 71 23 00-0059)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

## 07 71 23 00-0061 K-Style Copper Gutters *(07 71 23 00-0060)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0062 | LF | 4", 16 Ounce, K-Style Copper Gutter | 18.32 | 4.47 |
| | | *For Up To 100', Add* | *2.94* | |
| | | *For >100' To 250', Add* | *1.29* | |
| | | *For >1,000', Deduct* | *-0.74* | |
| 07 71 23 00-0063 | LF | 5", 16 Ounce, K-Style Copper Gutter | 25.51 | 4.72 |
| | | *For Up To 100', Add* | *3.72* | |
| | | *For >100' To 250', Add* | *1.67* | |
| | | *For >1,000', Deduct* | *-0.78* | |
| 07 71 23 00-0064 | LF | 6", 16 Ounce, K-Style Copper Gutter | 30.24 | 4.98 |
| | | *For Up To 100', Add* | *4.25* | |
| | | *For >100' To 250', Add* | *1.92* | |
| | | *For >1,000', Deduct* | *-0.82* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 23 00-0065 | LF | 5", 20 Ounce, K-Style Copper Gutter | 31.88 | 4.72 |
| | | *For Up To 100', Add* | *4.36* | |
| | | *For >100' To 250', Add* | *1.98* | |
| | | *For >1,000', Deduct* | *-0.78* | |
| 07 71 23 00-0066 | LF | 6", 20 Ounce, K-Style Copper Gutter | 39.26 | 4.98 |
| | | *For Up To 100', Add* | *5.15* | |
| | | *For >100' To 250', Add* | *2.37* | |
| | | *For >1,000', Deduct* | *-0.82* | |
| 07 71 23 00-0067 | LF | 7", 20 Ounce, K-Style Copper Gutter | 45.78 | 5.23 |
| | | *For Up To 100', Add* | *5.90* | |
| | | *For >100' To 250', Add* | *2.73* | |
| | | *For >1,000', Deduct* | *-0.88* | |
| 07 71 23 00-0068 | LF | 8", 20 Ounce, K-Style Copper Gutter | 50.88 | 5.87 |
| | | *For Up To 100', Add* | *6.54* | |
| | | *For >100' To 250', Add* | *3.03* | |
| | | *For >1,000', Deduct* | *-0.97* | |

### 07 71 23 00-0069 Half Round Copper Gutters *(07 71 23 00-0060)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0070 | LF | 5", 16 Ounce, Half Round Copper Gutter | 22.19 | 4.72 |
| | | *For Up To 100', Add* | *3.39* | |
| | | *For >100' To 250', Add* | *1.50* | |
| | | *For >1,000', Deduct* | *-0.78* | |
| 07 71 23 00-0071 | LF | 6", 16 Ounce, Half Round Copper Gutter | 27.77 | 4.98 |
| | | *For Up To 100', Add* | *4.00* | |
| | | *For >100' To 250', Add* | *1.80* | |
| | | *For >1,000', Deduct* | *-0.82* | |
| 07 71 23 00-0072 | LF | 7", 16 Ounce, Half Round Copper Gutter | 45.70 | 5.23 |
| | | *For Up To 100', Add* | *5.89* | |
| | | *For >100' To 250', Add* | *2.73* | |
| | | *For >1,000', Deduct* | *-0.88* | |
| 07 71 23 00-0073 | LF | 5", 20 Ounce, Half Round Copper Gutter | 25.67 | 4.72 |
| | | *For Up To 100', Add* | *3.74* | |
| | | *For >100' To 250', Add* | *1.67* | |
| | | *For >1,000', Deduct* | *-0.78* | |
| 07 71 23 00-0074 | LF | 6", 20 Ounce, Half Round Copper Gutter | 31.46 | 4.98 |
| | | *For Up To 100', Add* | *4.37* | |
| | | *For >100' To 250', Add* | *1.98* | |
| | | *For >1,000', Deduct* | *-0.82* | |
| 07 71 23 00-0075 | LF | 7", 20 Ounce, Half Round Copper Gutter | 47.96 | 5.23 |
| | | *For Up To 100', Add* | *6.12* | |
| | | *For >100' To 250', Add* | *2.84* | |
| | | *For >1,000', Deduct* | *-0.88* | |
| 07 71 23 00-0076 | LF | 8", 20 Ounce, Half Round Copper Gutter | 54.44 | 5.87 |
| | | *For Up To 100', Add* | *6.90* | |
| | | *For >100' To 250', Add* | *3.21* | |
| | | *For >1,000', Deduct* | *-0.97* | |

### 07 71 23 00-0077 Box Style Copper Gutters *(07 71 23 00-0060)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0078 | LF | 5", 16 Ounce, Box Style Copper Gutter | 25.11 | 5.36 |
| | | *For Up To 100', Add* | *3.85* | |
| | | *For >100' To 250', Add* | *1.70* | |
| | | *For >1,000', Deduct* | *-0.89* | |
| 07 71 23 00-0079 | LF | 6", 16 Ounce, Box Style Copper Gutter | 26.94 | 5.87 |
| | | *For Up To 100', Add* | *4.15* | |
| | | *For >100' To 250', Add* | *1.83* | |
| | | *For >1,000', Deduct* | *-0.97* | |
| 07 71 23 00-0080 | LF | 7", 16 Ounce, Box Style Copper Gutter | 32.39 | 6.25 |
| | | *For Up To 100', Add* | *4.79* | |
| | | *For >100' To 250', Add* | *2.14* | |
| | | *For >1,000', Deduct* | *-1.03* | |
| 07 71 23 00-0081 | LF | 8", 16 Ounce, Box Style Copper Gutter | 33.18 | 6.63 |
| | | *For Up To 100', Add* | *4.97* | |
| | | *For >100' To 250', Add* | *2.21* | |
| | | *For >1,000', Deduct* | *-1.10* | |
| 07 71 23 00-0082 | LF | 5", 20 Ounce, Box Style Copper Gutter | 28.50 | 5.36 |
| | | *For Up To 100', Add* | *4.19* | |
| | | *For >100' To 250', Add* | *1.87* | |
| | | *For >1,000', Deduct* | *-0.89* | |
| 07 71 23 00-0083 | LF | 6", 20 Ounce, Box Style Copper Gutter | 30.34 | 5.87 |
| | | *For Up To 100', Add* | *4.49* | |
| | | *For >100' To 250', Add* | *2.00* | |
| | | *For >1,000', Deduct* | *-0.97* | |
| 07 71 23 00-0084 | LF | 7", 20 Ounce, Box Style Copper Gutter | 35.79 | 6.25 |
| | | *For Up To 100', Add* | *5.13* | |
| | | *For >100' To 250', Add* | *2.31* | |
| | | *For >1,000', Deduct* | *-1.03* | |
| 07 71 23 00-0085 | LF | 8", 20 Ounce, Box Style Copper Gutter | 36.57 | 6.63 |
| | | *For Up To 100', Add* | *5.30* | |
| | | *For >100' To 250', Add* | *2.38* | |
| | | *For >1,000', Deduct* | *-1.10* | |

### 07 71 23 00-0086 Copper Gutter End Caps *(07 71 23 00-0059)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 71 23 00-0087** | | **K-Style, Copper Gutter End Caps** *(07 71 23 00-0086)* | | |
| 07 71 23 00-0088 | EA | 4", K-Style Copper Gutter End Cap | 6.32 | |
| 07 71 23 00-0089 | EA | 5", K-Style Copper Gutter End Cap | 6.74 | |
| 07 71 23 00-0090 | EA | 6", K-Style Copper Gutter End Cap | 7.15 | |
| 07 71 23 00-0091 | EA | 7", K-Style Copper Gutter End Cap | 18.28 | |
| 07 71 23 00-0092 | EA | 8", K-Style Copper Gutter End Cap | 22.18 | |
| **07 71 23 00-0093** | | **Half Round, Copper Gutter End Caps** *(07 71 23 00-0086)* | | |
| 07 71 23 00-0094 | EA | 4", Half Round Copper Gutter End Cap | 7.55 | |
| 07 71 23 00-0095 | EA | 5", Half Round Copper Gutter End Cap | 8.43 | |
| 07 71 23 00-0096 | EA | 6", Half Round Copper Gutter End Cap | 12.51 | |
| 07 71 23 00-0097 | EA | 7", Half Round Copper Gutter End Cap | 36.74 | |
| 07 71 23 00-0098 | EA | 8", Half Round Copper Gutter End Cap | 43.31 | |
| **07 71 23 00-0099** | | **Box Style, Copper Gutter End Caps** *(07 71 23 00-0086)* | | |
| 07 71 23 00-0100 | EA | 5", Box Style Copper Gutter End Cap | 14.11 | |
| 07 71 23 00-0101 | EA | 6", Box Style Copper Gutter End Cap | 14.79 | |
| 07 71 23 00-0102 | EA | 7", Box Style Copper Gutter End Cap | 15.46 | |
| 07 71 23 00-0103 | EA | 8", Box Style Copper Gutter End Cap | 16.82 | |
| **07 71 23 00-0104** | | **Copper Gutter Miters** *(07 71 23 00-0059)* | | |
| | | Note: Inside or outside miters. | | |
| **07 71 23 00-0105** | | **K-Style, Copper Gutter Miters** *(07 71 23 00-0104)* | | |
| 07 71 23 00-0106 | EA | 4", K-Style Copper Gutter Miter | 39.87 | |
| 07 71 23 00-0107 | EA | 5", K-Style Copper Gutter Miter | 45.05 | |
| 07 71 23 00-0108 | EA | 6", K-Style Copper Gutter Miter | 64.03 | |
| 07 71 23 00-0109 | EA | 7", K-Style Copper Gutter Miter | 89.75 | |
| 07 71 23 00-0110 | EA | 8", K-Style Copper Gutter Miter | 105.04 | |
| **07 71 23 00-0111** | | **Half Round, Copper Gutter Miters** *(07 71 23 00-0104)* | | |
| 07 71 23 00-0112 | EA | 4", Half Round Copper Gutter Miter | 61.11 | |
| 07 71 23 00-0113 | EA | 5", Half Round Copper Gutter Miter | 56.82 | |
| 07 71 23 00-0114 | EA | 6", Half Round Copper Gutter Miter | 81.06 | |
| 07 71 23 00-0115 | EA | 7", Half Round Copper Gutter Miter | 96.36 | |
| 07 71 23 00-0116 | EA | 8", Half Round Copper Gutter Miter | 113.60 | |
| **07 71 23 00-0117** | | **Box Style, Copper Gutter Miters** *(07 71 23 00-0104)* | | |
| 07 71 23 00-0118 | EA | 5", 16 Ounce Box Style Copper Gutter Miter | 67.16 | |
| 07 71 23 00-0119 | EA | 6", 16 Ounce Box Style Copper Gutter Miter | 69.42 | |
| 07 71 23 00-0120 | EA | 7", 16 Ounce Box Style Copper Gutter Miter | 75.73 | |
| 07 71 23 00-0121 | EA | 8", 16 Ounce Box Style Copper Gutter Miter | 77.38 | |
| 07 71 23 00-0122 | EA | 5", 20 Ounce Box Style Copper Gutter Miter | 73.95 | |
| 07 71 23 00-0123 | EA | 6", 20 Ounce Box Style Copper Gutter Miter | 76.21 | |
| 07 71 23 00-0124 | EA | 7", 20 Ounce Box Style Copper Gutter Miter | 82.52 | |
| 07 71 23 00-0125 | EA | 8", 20 Ounce Box Style Copper Gutter Miter | 90.34 | |
| **07 71 23 00-0126** | | **Copper Gutter Wire Strainers** *(07 71 23 00-0059)* | | |
| 07 71 23 00-0127 | EA | 2" Diameter, Round Copper Wire Strainer | 21.09 | 3.19 |
| 07 71 23 00-0128 | EA | 3" Diameter, Round Copper Wire Strainer | 25.84 | 3.19 |
| 07 71 23 00-0129 | EA | 4" Diameter, Round Copper Wire Strainer | 41.33 | 3.19 |
| 07 71 23 00-0130 | EA | 5" Diameter, Round Copper Wire Strainer | 54.83 | 3.19 |
| 07 71 23 00-0131 | EA | 6" Diameter, Round Copper Wire Strainer | 66.13 | 3.19 |
| **07 71 23 00-0132** | | **Copper Downspouts** *(07 71 23 00-0059)* | | |
| | | Note: Includes elbows, hangers and fasteners. | | |
| **07 71 23 00-0133** | | **Round Copper Downspouts** *(07 71 23 00-0132)* | | |
| 07 71 23 00-0134 | LF | 2" Diameter, 16 Ounce, Round Copper Downspout | 24.86 | 3.06 |
| | | *For Up To 100', Add* | *2.98* | |
| | | *For >100 To 250', Add* | *1.41* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0135 | LF | 3" Diameter, 16 Ounce, Round Copper Downspout | 17.51 | 3.06 |
| | | *For Up To 100', Add* | *2.25* | |
| | | *For >100 To 250', Add* | *1.04* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0136 | LF | 4" Diameter, 16 Ounce, Round Copper Downspout | 21.90 | 3.06 |
| | | *For Up To 100', Add* | *2.69* | |
| | | *For >100 To 250', Add* | *1.26* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0137 | LF | 5" Diameter, 16 Ounce, Round Copper Downspout | 34.62 | 3.06 |
| | | *For Up To 100', Add* | *3.96* | |
| | | *For >100 To 250', Add* | *1.90* | |
| | | *For >1,000', Deduct* | *-0.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 23 00-0138 | LF | 6" Diameter, 16 Ounce, Round Copper Downspout | 44.33 | 3.06 |
| | | *For Up To 100', Add* | *4.93* | |
| | | *For >100 To 250', Add* | *2.38* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0139 | LF | 3" Diameter, 20 Ounce, Round Copper Downspout | 23.46 | 3.06 |
| | | *For Up To 100', Add* | *2.84* | |
| | | *For >100 To 250', Add* | *1.34* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0140 | LF | 4" Diameter, 20 Ounce, Round Copper Downspout | 30.25 | 3.06 |
| | | *For Up To 100', Add* | *3.52* | |
| | | *For >100 To 250', Add* | *1.68* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0141 | LF | 5" Diameter, 20 Ounce, Round Copper Downspout | 45.66 | 3.06 |
| | | *For Up To 100', Add* | *5.06* | |
| | | *For >100 To 250', Add* | *2.45* | |
| | | *For >1,000', Deduct* | *-0.33* | |

### 07 71 23 00-0142 Square Copper Downspouts *(07 71 23 00-0132)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0143 | LF | 3" Diameter, 16 Ounce, Square Copper Downspout | 12.32 | 3.06 |
| | | *For Up To 100', Add* | *1.73* | |
| | | *For >100 To 250', Add* | *0.78* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0144 | LF | 4" Diameter, 16 Ounce, Square Copper Downspout | 15.24 | 3.06 |
| | | *For Up To 100', Add* | *2.02* | |
| | | *For >100 To 250', Add* | *0.93* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0145 | LF | 5" Diameter, 16 Ounce, Square Copper Downspout | 21.54 | 3.06 |
| | | *For Up To 100', Add* | *2.65* | |
| | | *For >100 To 250', Add* | *1.24* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0146 | LF | 3" Diameter, 20 Ounce, Square Copper Downspout | 14.12 | 3.06 |
| | | *For Up To 100', Add* | *1.91* | |
| | | *For >100 To 250', Add* | *0.87* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0147 | LF | 4" Diameter, 20 Ounce, Square Copper Downspout | 17.77 | 3.06 |
| | | *For Up To 100', Add* | *2.28* | |
| | | *For >100 To 250', Add* | *1.05* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0148 | LF | 5" Diameter, 20 Ounce, Square Copper Downspout | 25.25 | 3.06 |
| | | *For Up To 100', Add* | *3.02* | |
| | | *For >100 To 250', Add* | *1.43* | |
| | | *For >1,000', Deduct* | *-0.33* | |

### 07 71 23 00-0149 Rectangular Copper Downspouts *(07 71 23 00-0132)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0150 | LF | 2" x 3", 16 Ounce, Rectangular Copper Downspout | 17.96 | 3.06 |
| | | *For Up To 100', Add* | *2.29* | |
| | | *For >100 To 250', Add* | *1.06* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0151 | LF | 3" x 4", 16 Ounce, Rectangular Copper Downspout | 22.55 | 3.06 |
| | | *For Up To 100', Add* | *2.75* | |
| | | *For >100 To 250', Add* | *1.29* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0152 | LF | 4" x 5", 16 Ounce, Rectangular Copper Downspout | 31.81 | 3.06 |
| | | *For Up To 100', Add* | *3.68* | |
| | | *For >100 To 250', Add* | *1.76* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0153 | LF | 2" x 3", 20 Ounce, Rectangular Copper Downspout | 20.81 | 3.06 |
| | | *For Up To 100', Add* | *2.58* | |
| | | *For >100 To 250', Add* | *1.21* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0154 | LF | 3" x 4", 20 Ounce, Rectangular Copper Downspout | 26.50 | 3.06 |
| | | *For Up To 100', Add* | *3.15* | |
| | | *For >100 To 250', Add* | *1.49* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0155 | LF | 4" x 5", 20 Ounce, Rectangular Copper Downspout | 37.77 | 3.06 |
| | | *For Up To 100', Add* | *4.28* | |
| | | *For >100 To 250', Add* | *2.05* | |
| | | *For >1,000', Deduct* | *-0.33* | |

### 07 71 23 00-0156 Copper Devices And Accessories *(07 71 23 00-0059)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0157 | EA | Thru-Wall Copper Scupper Outlet | 219.41 | 29.04 |
| 07 71 23 00-0158 | EA | Copper Leader/Conductor Head | 297.94 | 32.28 |
| 07 71 23 00-0159 | EA | Copper Eave Box | 133.63 | 19.14 |

### 07 71 23 00-0160 Galvanized Steel Gutters And Downspouts *(07 71 23)*

### 07 71 23 00-0161 Galvanized Steel Gutters *(07 71 23 00-0160)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

### 07 71 23 00-0162 K-Style Galvanized Steel Gutters *(07 71 23 00-0161)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 23 00-0163 | LF | 5", 26 Gauge, K-Style Galvanized Steel Gutter | 14.30 | 4.72 |
| | | *For Up To 100', Add* | *2.60* | |
| | | *For >100' To 250', Add* | *1.10* | |
| | | *For >1,000', Deduct* | *-0.78* | |
| | | *For Kynar 500® Finish, Add* | *2.93* | |
| | | *For 24 Gauge, Add* | *1.82* | |
| | | *For 22 Gauge, Add* | *3.58* | |
| 07 71 23 00-0164 | LF | 6", 26 Gauge, K-Style Galvanized Steel Gutter | 16.67 | 4.98 |
| | | *For Up To 100', Add* | *2.89* | |
| | | *For >100' To 250', Add* | *1.24* | |
| | | *For >1,000', Deduct* | *-0.82* | |
| | | *For Kynar 500® Finish, Add* | *3.83* | |
| | | *For 24 Gauge, Add* | *2.38* | |
| | | *For 22 Gauge, Add* | *4.68* | |
| 07 71 23 00-0165 | LF | 7", 26 Gauge, K-Style Galvanized Steel Gutter | 34.96 | 5.23 |
| | | *For Up To 100', Add* | *4.82* | |
| | | *For >100' To 250', Add* | *2.19* | |
| | | *For >1,000', Deduct* | *-0.88* | |
| | | *For Kynar 500® Finish, Add* | *11.77* | |
| | | *For 24 Gauge, Add* | *7.32* | |
| | | *For 22 Gauge, Add* | *14.39* | |
| 07 71 23 00-0166 | LF | 8", 26 Gauge, K-Style Galvanized Steel Gutter | 36.85 | 5.87 |
| | | *For Up To 100', Add* | *5.14* | |
| | | *For >100' To 250', Add* | *2.33* | |
| | | *For >1,000', Deduct* | *-0.97* | |
| | | *For Kynar 500® Finish, Add* | *12.22* | |
| | | *For 24 Gauge, Add* | *7.60* | |
| | | *For 22 Gauge, Add* | *14.93* | |

## 07 71 23 00-0167 Half Round Galvanized Steel Gutters *(07 71 23 00-0161)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0168 | LF | 5", 26 Gauge, Half Round Galvanized Steel Gutter | 21.03 | 4.72 |
| | | *For Up To 100', Add* | *3.27* | |
| | | *For >100' To 250', Add* | *1.44* | |
| | | *For >1,000', Deduct* | *-0.78* | |
| | | *For Kynar 500® Finish, Add* | *5.96* | |
| | | *For 24 Gauge, Add* | *3.71* | |
| | | *For 22 Gauge, Add* | *7.28* | |
| 07 71 23 00-0169 | LF | 6", 26 Gauge, Half Round Galvanized Steel Gutter | 26.58 | 4.98 |
| | | *For Up To 100', Add* | *3.88* | |
| | | *For >100' To 250', Add* | *1.74* | |
| | | *For >1,000', Deduct* | *-0.82* | |
| | | *For Kynar 500® Finish, Add* | *8.28* | |
| | | *For 24 Gauge, Add* | *5.15* | |
| | | *For 22 Gauge, Add* | *10.13* | |
| 07 71 23 00-0170 | LF | 7", 26 Gauge, Half Round Galvanized Steel Gutter | 67.45 | 5.23 |
| | | *For Up To 100', Add* | *8.07* | |
| | | *For >100' To 250', Add* | *3.81* | |
| | | *For >1,000', Deduct* | *-0.88* | |
| | | *For Kynar 500® Finish, Add* | *26.39* | |
| | | *For 24 Gauge, Add* | *16.42* | |
| | | *For 22 Gauge, Add* | *32.26* | |
| 07 71 23 00-0171 | LF | 8", 26 Gauge, Half Round Galvanized Steel Gutter | 71.95 | 5.87 |
| | | *For Up To 100', Add* | *8.65* | |
| | | *For >100' To 250', Add* | *4.08* | |
| | | *For >1,000', Deduct* | *-0.97* | |
| | | *For Kynar 500® Finish, Add* | *28.01* | |
| | | *For 24 Gauge, Add* | *17.43* | |
| | | *For 22 Gauge, Add* | *34.24* | |

## 07 71 23 00-0172 Box Style Galvanized Steel Gutters *(07 71 23 00-0161)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0173 | LF | 5", 24 Gauge, Box Style Galvanized Steel Gutter | 25.18 | 5.36 |
| | | *For Up To 100', Add* | *3.86* | |
| | | *For >100' To 250', Add* | *1.71* | |
| | | *For >1,000', Deduct* | *-0.89* | |
| | | *For Kynar 500® Finish, Add* | *7.31* | |
| | | *For 22 Gauge, Add* | *3.57* | |
| 07 71 23 00-0174 | LF | 6", 24 Gauge, Box Style Galvanized Steel Gutter | 29.59 | 5.87 |
| | | *For Up To 100', Add* | *4.41* | |
| | | *For >100' To 250', Add* | *1.96* | |
| | | *For >1,000', Deduct* | *-0.97* | |
| | | *For Kynar 500® Finish, Add* | *8.95* | |
| | | *For 22 Gauge, Add* | *4.38* | |
| 07 71 23 00-0175 | LF | 7", 24 Gauge, Box Style Galvanized Steel Gutter | 37.55 | 5.23 |
| | | *For Up To 100', Add* | *5.08* | |
| | | *For >100' To 250', Add* | *2.32* | |
| | | *For >1,000', Deduct* | *-0.88* | |
| | | *For Kynar 500® Finish, Add* | *12.94* | |
| | | *For 22 Gauge, Add* | *6.33* | |
| 07 71 23 00-0176 | LF | 8", 24 Gauge, Box Style Galvanized Steel Gutter | 41.66 | 6.63 |
| | | *For Up To 100', Add* | *5.81* | |
| | | *For >100' To 250', Add* | *2.63* | |
| | | *For >1,000', Deduct* | *-1.10* | |
| | | *For Kynar 500® Finish, Add* | *13.81* | |
| | | *For 22 Gauge, Add* | *6.75* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 07 71 23 00-0177 Galvanized Steel Gutter End Caps *(07 71 23 00-0160)*

### 07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0179 | EA | 5", K-Style Galvanized Steel Gutter End Cap | 6.46 | |
| | | *For Kynar 500® Finish, Add* | *1.76* | |
| 07 71 23 00-0180 | EA | 6", K-Style Galvanized Steel Gutter End Cap | 7.49 | |
| | | *For Kynar 500® Finish, Add* | *2.22* | |
| 07 71 23 00-0181 | EA | 7", K-Style Galvanized Steel Gutter End Cap | 16.60 | |
| | | *For Kynar 500® Finish, Add* | *6.32* | |
| 07 71 23 00-0182 | EA | 8", K-Style Galvanized Steel Gutter End Cap | 24.21 | |
| | | *For Kynar 500® Finish, Add* | *9.74* | |

### 07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0184 | EA | 5", Half Round Galvanized Steel Gutter End Cap | 8.39 | |
| | | *For Kynar 500® Finish, Add* | *2.62* | |
| 07 71 23 00-0185 | EA | 6", Half Round Galvanized Steel Gutter End Cap | 9.70 | |
| | | *For Kynar 500® Finish, Add* | *3.21* | |
| 07 71 23 00-0186 | EA | 7", Half Round Galvanized Steel Gutter End Cap | 18.34 | |
| | | *For Kynar 500® Finish, Add* | *7.10* | |
| 07 71 23 00-0187 | EA | 8", Half Round Galvanized Steel Gutter End Cap | 24.90 | |
| | | *For Kynar 500® Finish, Add* | *10.05* | |

### 07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0189 | EA | 5", Box Style Galvanized Steel Gutter End Cap | 15.29 | |
| | | *For Kynar 500® Finish, Add* | *5.73* | |
| 07 71 23 00-0190 | EA | 6", Box Style Galvanized Steel Gutter End Cap | 18.47 | |
| | | *For Kynar 500® Finish, Add* | *7.16* | |
| 07 71 23 00-0191 | EA | 7", Box Style Galvanized Steel Gutter End Cap | 20.73 | |
| | | *For Kynar 500® Finish, Add* | *8.18* | |
| 07 71 23 00-0192 | EA | 8", Box Style Galvanized Steel Gutter End Cap | 27.87 | |
| | | *For Kynar 500® Finish, Add* | *11.39* | |

### 07 71 23 00-0193 Galvanized Steel Gutter Miters *(07 71 23 00-0160)*

Note: Inside or outside miters.

### 07 71 23 00-0194 K-Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0195 | EA | 5", K-Style Galvanized Steel Gutter Miter | 39.34 | |
| | | *For Kynar 500® Finish, Add* | *11.90* | |
| 07 71 23 00-0196 | EA | 6", K-Style Galvanized Steel Gutter Miter | 64.39 | |
| | | *For Kynar 500® Finish, Add* | *22.77* | |
| 07 71 23 00-0197 | EA | 7", K-Style Galvanized Steel Gutter Miter | 103.66 | |
| | | *For Kynar 500® Finish, Add* | *40.05* | |
| 07 71 23 00-0198 | EA | 8", K-Style Galvanized Steel Gutter Miter | 116.60 | |
| | | *For Kynar 500® Finish, Add* | *45.41* | |

### 07 71 23 00-0199 Half Round, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0200 | EA | 5", Half Round Galvanized Steel Gutter Miter | 54.29 | |
| | | *For Kynar 500® Finish, Add* | *18.63* | |
| 07 71 23 00-0201 | EA | 6", Half Round Galvanized Steel Gutter Miter | 61.08 | |
| | | *For Kynar 500® Finish, Add* | *21.28* | |
| 07 71 23 00-0202 | EA | 7", Half Round Galvanized Steel Gutter Miter | 175.49 | |
| | | *For Kynar 500® Finish, Add* | *72.37* | |
| 07 71 23 00-0203 | EA | 8", Half Round Galvanized Steel Gutter Miter | 185.45 | |
| | | *For Kynar 500® Finish, Add* | *76.39* | |

### 07 71 23 00-0204 Box Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0205 | EA | 5", Box Style Galvanized Steel Gutter Miter | 51.29 | |
| | | *For Kynar 500® Finish, Add* | *17.28* | |
| 07 71 23 00-0206 | EA | 6", Box Style Galvanized Steel Gutter Miter | 84.18 | |
| | | *For Kynar 500® Finish, Add* | *31.68* | |
| 07 71 23 00-0207 | EA | 7", Box Style Galvanized Steel Gutter Miter | 109.61 | |
| | | *For Kynar 500® Finish, Add* | *42.72* | |
| 07 71 23 00-0208 | EA | 8", Box Style Galvanized Steel Gutter Miter | 116.60 | |
| | | *For Kynar 500® Finish, Add* | *45.41* | |

### 07 71 23 00-0209 Galvanized Steel Gutter Wire Strainers *(07 71 23 00-0160)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0210 | EA | 3" Diameter, Round Galvanized Steel Wire Strainer | 14.25 | 3.19 |
| | | *For Kynar 500® Finish, Add* | *3.42* | |
| 07 71 23 00-0211 | EA | 4" Diameter, Round Galvanized Steel Wire Strainer | 20.73 | 3.19 |
| | | *For Kynar 500® Finish, Add* | *6.34* | |

### 07 71 23 00-0212 Galvanized Steel Downspouts *(07 71 23 00-0160)*

Note: Includes elbows, hangers and fasteners.

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 71 23 00-0213** | | **Round Galvanized Steel Downspouts** *(07 71 23 00-0212)* | | |
| 07 71 23 00-0214 | LF | 3" Diameter, 26 Gauge, Round Galvanized Steel Downspout | 8.08 | 3.06 |
| | | *For Up To 100', Add* | *1.31* | |
| | | *For >100 To 250', Add* | *0.57* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *2.14* | |
| | | *For 24 Gauge, Add* | *1.33* | |
| | | *For 22 Gauge, Add* | *2.62* | |
| 07 71 23 00-0215 | LF | 4" Diameter, 26 Gauge, Round Galvanized Steel Downspout | 10.11 | 3.06 |
| | | *For Up To 100', Add* | *1.51* | |
| | | *For >100 To 250', Add* | *0.67* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *3.06* | |
| | | *For 24 Gauge, Add* | *1.90* | |
| | | *For 22 Gauge, Add* | *3.73* | |
| 07 71 23 00-0216 | LF | 5" Diameter, 26 Gauge, Round Galvanized Steel Downspout | 13.87 | 3.06 |
| | | *For Up To 100', Add* | *1.89* | |
| | | *For >100 To 250', Add* | *0.86* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *4.75* | |
| | | *For 24 Gauge, Add* | *2.95* | |
| | | *For 22 Gauge, Add* | *5.80* | |
| 07 71 23 00-0217 | LF | 6" Diameter, 26 Gauge, Round Galvanized Steel Downspout | 31.25 | 3.06 |
| | | *For Up To 100', Add* | *3.62* | |
| | | *For >100 To 250', Add* | *1.73* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *12.57* | |
| | | *For 24 Gauge, Add* | *7.82* | |
| | | *For 22 Gauge, Add* | *15.36* | |
| **07 71 23 00-0218** | | **Square Galvanized Steel Downspouts** *(07 71 23 00-0212)* | | |
| 07 71 23 00-0219 | LF | 4" x 4", 26 Gauge, Square Galvanized Steel Downspout | 9.21 | 3.06 |
| | | *For Up To 100', Add* | *1.42* | |
| | | *For >100 To 250', Add* | *0.63* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *2.65* | |
| | | *For 24 Gauge, Add* | *1.65* | |
| | | *For 22 Gauge, Add* | *3.24* | |
| 07 71 23 00-0220 | LF | 5" x 5", 26 Gauge, Square Galvanized Steel Downspout | 11.89 | 3.06 |
| | | *For Up To 100', Add* | *1.69* | |
| | | *For >100 To 250', Add* | *0.76* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *3.86* | |
| | | *For 24 Gauge, Add* | *2.40* | |
| | | *For 22 Gauge, Add* | *4.71* | |
| **07 71 23 00-0221** | | **Rectangular Galvanized Steel Downspouts** *(07 71 23 00-0212)* | | |
| 07 71 23 00-0222 | LF | 2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout | 8.23 | 3.06 |
| | | *For Up To 100', Add* | *1.32* | |
| | | *For >100 To 250', Add* | *0.58* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *2.21* | |
| | | *For 24 Gauge, Add* | *1.37* | |
| | | *For 22 Gauge, Add* | *2.70* | |
| 07 71 23 00-0223 | LF | 3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout | 10.58 | 3.06 |
| | | *For Up To 100', Add* | *1.56* | |
| | | *For >100 To 250', Add* | *0.70* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *3.27* | |
| | | *For 24 Gauge, Add* | *2.03* | |
| | | *For 22 Gauge, Add* | *3.99* | |
| 07 71 23 00-0224 | LF | 4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout | 19.92 | 3.06 |
| | | *For Up To 100', Add* | *2.49* | |
| | | *For >100 To 250', Add* | *1.16* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For Kynar 500® Finish, Add* | *7.47* | |
| | | *For 24 Gauge, Add* | *4.65* | |
| | | *For 22 Gauge, Add* | *9.13* | |
| **07 71 23 00-0225** | | **Galvanized Steel Devices** *(07 71 23 00-0160)* | | |
| 07 71 23 00-0226 | EA | Galvanized Steel Leader/Conductor Head | 368.37 | 32.28 |
| | | *For Kynar 500® Finish, Add* | *136.72* | |
| 07 71 23 00-0227 | EA | Thru-Wall Galvanized Steel Scupper Outlet | 199.81 | 29.04 |
| | | *For Kynar 500® Finish, Add* | *46.35* | |

**07 71 23 00-0228** Stainless Steel Gutters And Downspouts *(07 71 23)*
Note: AISI type 304 stainless steel.

**07 71 23 00-0229** Stainless Steel Gutters *(07 71 23 00-0228)*
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 71 23 00-0230** | | **K-Style, Stainless Steel Gutters** *(07 71 23 00-0229)* | | |
| 07 71 23 00-0231 | LF | 5", 26 Gauge, K-Style Stainless Steel Gutter | 26.24 | 4.72 |
| | | *For Up To 100', Add* | *3.79* | |
| | | *For >100' To 250', Add* | *1.70* | |
| | | *For >1,000', Deduct* | *-0.78* | |
| | | *For 316 Stainless Steel, Add* | *7.01* | |
| | | *For 24 Gauge, Add* | *6.09* | |
| | | *For 22 Gauge, Add* | *12.18* | |
| | | *For 20 Gauge, Add* | *18.27* | |
| 07 71 23 00-0232 | LF | 6", 26 Gauge, K-Style Stainless Steel Gutter | 31.24 | 4.98 |
| | | *For Up To 100', Add* | *4.35* | |
| | | *For >100' To 250', Add* | *1.97* | |
| | | *For >1,000', Deduct* | *-0.82* | |
| | | *For 316 Stainless Steel, Add* | *8.77* | |
| | | *For 24 Gauge, Add* | *7.61* | |
| | | *For 22 Gauge, Add* | *15.23* | |
| | | *For 20 Gauge, Add* | *22.84* | |
| **07 71 23 00-0233** | | **Half Round, Stainless Steel Gutters** *(07 71 23 00-0229)* | | |
| 07 71 23 00-0234 | LF | 5", 26 Gauge, Half Round Stainless Steel Gutter | 35.73 | 4.72 |
| | | *For Up To 100', Add* | *4.74* | |
| | | *For >100' To 250', Add* | *2.18* | |
| | | *For >1,000', Deduct* | *-0.78* | |
| | | *For 316 Stainless Steel, Add* | *10.62* | |
| | | *For 24 Gauge, Add* | *9.22* | |
| | | *For 22 Gauge, Add* | *18.44* | |
| | | *For 20 Gauge, Add* | *27.66* | |
| 07 71 23 00-0235 | LF | 6", 26 Gauge, Half Round Stainless Steel Gutter | 43.04 | 4.98 |
| | | *For Up To 100', Add* | *5.53* | |
| | | *For >100' To 250', Add* | *2.56* | |
| | | *For >1,000', Deduct* | *-0.82* | |
| | | *For 316 Stainless Steel, Add* | *13.25* | |
| | | *For 24 Gauge, Add* | *11.51* | |
| | | *For 22 Gauge, Add* | *23.01* | |
| | | *For 20 Gauge, Add* | *34.52* | |
| **07 71 23 00-0236** | | **Box Style, Stainless Steel Gutters** *(07 71 23 00-0229)* | | |
| 07 71 23 00-0237 | LF | 5", 26 Gauge, Box Style Stainless Steel Gutter | 35.25 | 5.36 |
| | | *For Up To 100', Add* | *4.87* | |
| | | *For >100' To 250', Add* | *2.21* | |
| | | *For >1,000', Deduct* | *-0.89* | |
| | | *For 316 Stainless Steel, Add* | *10.00* | |
| | | *For 24 Gauge, Add* | *8.68* | |
| | | *For 22 Gauge, Add* | *17.36* | |
| | | *For 20 Gauge, Add* | *26.05* | |
| | | *For 18 Gauge, Add* | *43.67* | |
| | | *For Seamless Gutter, Add* | *0.03* | |
| 07 71 23 00-0238 | LF | 6", 26 Gauge, Box Style Stainless Steel Gutter | 42.76 | 5.87 |
| | | *For Up To 100', Add* | *5.73* | |
| | | *For >100' To 250', Add* | *2.62* | |
| | | *For >1,000', Deduct* | *-0.97* | |
| | | *For 316 Stainless Steel, Add* | *12.56* | |
| | | *For 24 Gauge, Add* | *10.91* | |
| | | *For 22 Gauge, Add* | *21.82* | |
| | | *For 20 Gauge, Add* | *32.73* | |
| | | *For 18 Gauge, Add* | *54.88* | |
| | | *For Seamless Gutter, Add* | *-0.20* | |
| 07 71 23 00-0239 | LF | 7", 26 Gauge, Box Style Stainless Steel Gutter | 50.28 | 6.25 |
| | | *For Up To 100', Add* | *6.58* | |
| | | *For >100' To 250', Add* | *3.03* | |
| | | *For >1,000', Deduct* | *-1.03* | |
| | | *For 316 Stainless Steel, Add* | *15.18* | |
| | | *For 24 Gauge, Add* | *13.18* | |
| | | *For 22 Gauge, Add* | *26.37* | |
| | | *For 20 Gauge, Add* | *39.55* | |
| | | *For 18 Gauge, Add* | *66.32* | |
| | | *For Seamless Gutter, Add* | *-0.45* | |
| 07 71 23 00-0240 | LF | 8", 26 Gauge, Box Style Stainless Steel Gutter | 54.63 | 6.63 |
| | | *For Up To 100', Add* | *7.11* | |
| | | *For >100' To 250', Add* | *3.28* | |
| | | *For >1,000', Deduct* | *-1.10* | |
| | | *For 316 Stainless Steel, Add* | *16.59* | |
| | | *For 24 Gauge, Add* | *14.40* | |
| | | *For 22 Gauge, Add* | *28.81* | |
| | | *For 20 Gauge, Add* | *43.21* | |
| | | *For 18 Gauge, Add* | *72.46* | |
| | | *For Seamless Gutter, Add* | *-0.54* | |
| **07 71 23 00-0241** | | **Stainless Steel Gutter End Caps** *(07 71 23 00-0228)* | | |
| **07 71 23 00-0242** | | **K-Style, Stainless Steel Gutter End Caps** *(07 71 23 00-0241)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 23 00-0243 | EA | 5", K-Style Stainless Steel Gutter End Cap | 8.33 | |
| | | *For 316 Stainless Steel, Add* | *2.19* | |
| 07 71 23 00-0244 | EA | 6", K-Style Stainless Steel Gutter End Cap | 9.49 | |
| | | *For 316 Stainless Steel, Add* | *2.63* | |

### 07 71 23 00-0245 Half Round, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0246 | EA | 5", Half Round Stainless Steel Gutter End Cap | 9.78 | |
| | | *For 316 Stainless Steel, Add* | *2.74* | |
| 07 71 23 00-0247 | EA | 6", Half Round Stainless Steel Gutter End Cap | 11.22 | |
| | | *For 316 Stainless Steel, Add* | *3.29* | |

### 07 71 23 00-0248 Box Style, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0249 | EA | 5", Box Style Stainless Steel Gutter End Cap | 10.41 | |
| | | *For 316 Stainless Steel, Add* | *2.74* | |
| 07 71 23 00-0250 | EA | 6", Box Style Stainless Steel Gutter End Cap | 11.85 | |
| | | *For 316 Stainless Steel, Add* | *3.29* | |
| 07 71 23 00-0251 | EA | 7", Box Style Stainless Steel Gutter End Cap | 12.32 | |
| | | *For 316 Stainless Steel, Add* | *3.55* | |
| 07 71 23 00-0252 | EA | 8", Box Style Stainless Steel Gutter End Cap | 14.91 | |
| | | *For 316 Stainless Steel, Add* | *4.38* | |

### 07 71 23 00-0253 Stainless Steel Gutter Miters *(07 71 23 00-0228)*

Note: Inside or outside box miters.

### 07 71 23 00-0254 K-Style, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0255 | EA | 5", K-Style Stainless Steel Gutter Miter | 42.72 | |
| | | *For 316 Stainless Steel, Add* | *11.34* | |
| 07 71 23 00-0256 | EA | 6", K-Style Stainless Steel Gutter Miter | 66.71 | |
| | | *For 316 Stainless Steel, Add* | *20.11* | |

### 07 71 23 00-0257 Half Round, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0258 | EA | 5", Half Round Stainless Steel Gutter Miter | 100.44 | |
| | | *For 316 Stainless Steel, Add* | *33.27* | |
| 07 71 23 00-0259 | EA | 6", Half Round Stainless Steel Gutter Miter | 122.47 | |
| | | *For 316 Stainless Steel, Add* | *41.30* | |

### 07 71 23 00-0260 Box-Style, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0261 | EA | 5", Box-Style Stainless Steel Gutter Miter | 48.68 | |
| | | *For 316 Stainless Steel, Add* | *13.60* | |
| 07 71 23 00-0262 | EA | 6", Box-Style Stainless Steel Gutter Miter | 77.29 | |
| | | *For 316 Stainless Steel, Add* | *24.13* | |
| 07 71 23 00-0263 | EA | 7", Box-Style Stainless Steel Gutter Miter | 88.75 | |
| | | *For 316 Stainless Steel, Add* | *28.15* | |
| 07 71 23 00-0264 | EA | 8", Box-Style Stainless Steel Gutter Miter | 100.37 | |
| | | *For 316 Stainless Steel, Add* | *32.17* | |

### 07 71 23 00-0265 Stainless Steel Gutter Wire Strainers *(07 71 23 00-0228)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0266 | EA | 3" Diameter, Round Stainless Steel Wire Strainer | 47.55 | 3.19 |
| 07 71 23 00-0267 | EA | 4" Diameter, Round Stainless Steel Wire Strainer | 48.67 | 3.19 |

### 07 71 23 00-0268 Stainless Steel Downspouts *(07 71 23 00-0228)*

Note: Includes elbows, hangers and fasteners.

### 07 71 23 00-0269 Round Stainless Steel Downspouts *(07 71 23 00-0268)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0270 | LF | 3" Diameter, 26 Gauge, Round Stainless Steel Downspout | 15.24 | 3.06 |
| | | *For Up To 100', Add* | *2.02* | |
| | | *For >100 To 250', Add* | *0.93* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For 316 Stainless Steel, Add* | *4.53* | |
| | | *For 24 Gauge, Add* | *3.93* | |
| | | *For 22 Gauge, Add* | *7.87* | |
| | | *For 20 Gauge, Add* | *11.80* | |
| 07 71 23 00-0271 | LF | 4" Diameter, 26 Gauge, Round Stainless Steel Downspout | 19.87 | 3.06 |
| | | *For Up To 100', Add* | *2.49* | |
| | | *For >100 To 250', Add* | *1.16* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For 316 Stainless Steel, Add* | *6.29* | |
| | | *For 24 Gauge, Add* | *5.46* | |
| | | *For 22 Gauge, Add* | *10.92* | |
| | | *For 20 Gauge, Add* | *16.38* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 23 00-0272 | LF | 5" Diameter, 26 Gauge, Round Stainless Steel Downspout | 28.60 | 3.06 |
| | | *For Up To 100', Add* | *3.36* | |
| | | *For >100 To 250', Add* | *1.60* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For 316 Stainless Steel, Add* | *9.61* | |
| | | *For 24 Gauge, Add* | *8.34* | |
| | | *For 22 Gauge, Add* | *16.68* | |
| | | *For 20 Gauge, Add* | *25.03* | |
| **07 71 23 00-0273** | | **Rectangular Stainless Steel Downspouts** *(07 71 23 00-0268)* | | |
| 07 71 23 00-0274 | LF | 2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout | 15.58 | 3.06 |
| | | *For Up To 100', Add* | *2.06* | |
| | | *For >100 To 250', Add* | *0.95* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For 316 Stainless Steel, Add* | *4.66* | |
| | | *For 24 Gauge, Add* | *4.05* | |
| | | *For 22 Gauge, Add* | *8.09* | |
| | | *For 20 Gauge, Add* | *12.14* | |
| | | *For 18 Gauge, Add* | *20.35* | |
| 07 71 23 00-0275 | LF | 3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout | 20.56 | 3.06 |
| | | *For Up To 100', Add* | *2.55* | |
| | | *For >100 To 250', Add* | *1.19* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For 316 Stainless Steel, Add* | *6.55* | |
| | | *For 24 Gauge, Add* | *5.69* | |
| | | *For 22 Gauge, Add* | *11.38* | |
| | | *For 20 Gauge, Add* | *17.07* | |
| | | *For 18 Gauge, Add* | *28.62* | |
| 07 71 23 00-0276 | LF | 4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout | 26.38 | 3.06 |
| | | *For Up To 100', Add* | *3.14* | |
| | | *For >100 To 250', Add* | *1.49* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| | | *For 316 Stainless Steel, Add* | *8.76* | |
| | | *For 24 Gauge, Add* | *7.61* | |
| | | *For 22 Gauge, Add* | *15.22* | |
| | | *For 20 Gauge, Add* | *22.83* | |
| | | *For 18 Gauge, Add* | *38.28* | |
| **07 71 23 00-0277** | | **Stainless Steel Devices** *(07 71 23 00-0228)* | | |
| 07 71 23 00-0278 | EA | Thru-Wall Stainless Steel Scupper Outlet | 275.72 | 28.71 |
| | | *For 316 Stainless Steel, Add* | *68.41* | |
| 07 71 23 00-0279 | EA | Stainless Steel Leader/Conductor Head | 489.17 | 28.71 |
| | | *For 316 Stainless Steel, Add* | *161.64* | |
| **07 71 23 00-0280** | | **Vinyl Gutters And Downspouts** *(07 71 23)* | | |
| **07 71 23 00-0281** | | **Vinyl Gutters** *(07 71 23 00-0280)* | | |
| | | Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts. | | |
| **07 71 23 00-0282** | | **K-Style Vinyl Gutters** *(07 71 23 00-0281)* | | |
| 07 71 23 00-0283 | LF | 4", K-Style Vinyl Gutter | 12.19 | 3.19 |
| | | *For Up To 100', Add* | *2.02* | |
| | | *For >100' To 250', Add* | *0.88* | |
| | | *For >1,000', Deduct* | *-0.53* | |
| 07 71 23 00-0284 | LF | 5", K-Style Vinyl Gutter | 15.73 | 3.19 |
| | | *For Up To 100', Add* | *2.37* | |
| | | *For >100' To 250', Add* | *1.05* | |
| | | *For >1,000', Deduct* | *-0.53* | |
| **07 71 23 00-0285** | | **Half Round Vinyl Gutters** *(07 71 23 00-0281)* | | |
| 07 71 23 00-0286 | LF | 4", Half Round Vinyl Gutter | 12.59 | 3.19 |
| | | *For Up To 100', Add* | *2.06* | |
| | | *For >100' To 250', Add* | *0.90* | |
| | | *For >1,000', Deduct* | *-0.53* | |
| 07 71 23 00-0287 | LF | 5", Half Round Vinyl Gutter | 13.24 | 3.19 |
| | | *For Up To 100', Add* | *2.12* | |
| | | *For >100' To 250', Add* | *0.93* | |
| | | *For >1,000', Deduct* | *-0.53* | |
| **07 71 23 00-0288** | | **Vinyl Gutter End Caps** *(07 71 23 00-0280)* | | |
| **07 71 23 00-0289** | | **K-Style, Vinyl Gutter End Caps** *(07 71 23 00-0288)* | | |
| 07 71 23 00-0290 | EA | 4", K-Style Vinyl Gutter End Cap | 7.54 | |
| 07 71 23 00-0291 | EA | 5", K-Style Vinyl Gutter End Cap | 10.48 | |
| **07 71 23 00-0292** | | **Half Round, Vinyl Gutter End Caps** *(07 71 23 00-0288)* | | |
| 07 71 23 00-0293 | EA | 4", Half Round Vinyl Gutter End Cap | 8.62 | |
| 07 71 23 00-0294 | EA | 5", Half Round Vinyl Gutter End Cap | 8.14 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 23 00-0295 | | **Vinyl Gutter Miters** *(07 71 23 00-0280)*<br>Note: Inside or outside miters. | | |
| 07 71 23 00-0296 | | **K-Style, Vinyl Gutter Miters** *(07 71 23 00-0295)* | | |
| 07 71 23 00-0297 | EA | 4", K-Style Vinyl Gutter Miter | 18.79 | |
| 07 71 23 00-0298 | EA | 5", K-Style Vinyl Gutter Miter | 28.27 | |
| 07 71 23 00-0299 | | **Half Round, Vinyl Gutter Miters** *(07 71 23 00-0295)* | | |
| 07 71 23 00-0300 | EA | 4", Half Round Vinyl Gutter Miter | 18.79 | |
| 07 71 23 00-0301 | EA | 5", Half Round Vinyl Gutter Miter | 20.42 | |
| 07 71 23 00-0302 | | **Vinyl Downspouts** *(07 71 23 00-0280)*<br>Note: Includes elbows, hangers and fasteners. | | |
| 07 71 23 00-0303 | | **Round Vinyl Downspouts** *(07 71 23 00-0302)* | | |
| 07 71 23 00-0304 | LF | 2-1/2" Diameter, Round Vinyl Downspout | 8.01 | 3.06 |
| | | *For Up To 100', Add* | *1.30* | |
| | | *For >100 To 250', Add* | *0.57* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0305 | LF | 3" Diameter, Round Vinyl Downspout | 8.35 | 3.06 |
| | | *For Up To 100', Add* | *1.33* | |
| | | *For >100 To 250', Add* | *0.58* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0306 | | **Square Vinyl Downspouts** *(07 71 23 00-0302)* | | |
| 07 71 23 00-0307 | LF | 2-1/2", Square Vinyl Downspout | 7.87 | 3.06 |
| | | *For Up To 100', Add* | *1.29* | |
| | | *For >100 To 250', Add* | *0.56* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0308 | | **Rectangular Vinyl Downspouts** *(07 71 23 00-0302)* | | |
| 07 71 23 00-0309 | LF | 2" x 3", Rectangular Vinyl Downspout | 10.08 | 3.06 |
| | | *For Up To 100', Add* | *1.51* | |
| | | *For >100 To 250', Add* | *0.67* | |
| | | *For >1,000', Deduct* | *-0.33* | |
| 07 71 23 00-0310 | | **Gutter And Downspout Boots** *(07 71 23)* | | |
| 07 71 23 00-0311 | | **Cast Iron Roof Drainage Downspout Boots** *(07 71 23 00-0310)* | | |
| 07 71 23 00-0312 | EA | 2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot | 347.97 | 4.60 |
| 07 71 23 00-0313 | EA | 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot | 453.82 | 4.60 |
| 07 71 23 00-0314 | EA | 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot | 541.84 | 4.60 |
| 07 71 23 00-0315 | | **Cast Iron Roof Drainage Downspout Boots With Cleanouts** *(07 71 23 00-0310)* | | |
| 07 71 23 00-0316 | EA | 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout | 601.75 | 4.60 |
| 07 71 23 00-0317 | EA | 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout | 735.32 | 4.60 |
| 07 71 23 00-0318 | EA | 5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout | 1,335.14 | 4.60 |
| 07 71 23 00-0319 | | **Wall Mounted Downspout Covers With Hinged Perforated Cover** *(07 71 23)* | | |
| 07 71 23 00-0320 | EA | 3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03) | 1,198.52 | 29.10 |
| | | *For Polished Brass Finish (-PB), Add* | *114.03* | |
| | | *For Chrome Plated Finish (-CP), Add* | *171.05* | |
| | | *For Vandal Proof (-U), Add* | *57.02* | |
| 07 71 23 00-0321 | EA | 4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04) | 1,217.92 | 38.80 |
| | | *For Polished Brass Finish (-PB), Add* | *114.03* | |
| | | *For Chrome Plated Finish (-CP), Add* | *171.05* | |
| | | *For Vandal Proof (-U), Add* | *57.02* | |
| 07 71 23 00-0322 | EA | 6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06) | 1,308.84 | 52.26 |
| | | *For Polished Brass Finish (-PB), Add* | *120.43* | |
| | | *For Chrome Plated Finish (-CP), Add* | *180.65* | |
| | | *For Vandal Proof (-U), Add* | *60.22* | |
| 07 71 23 00-0323 | EA | 8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08) | 1,394.24 | 65.98 |
| | | *For Polished Brass Finish (-PB), Add* | *126.23* | |
| | | *For Chrome Plated Finish (-CP), Add* | *189.34* | |
| | | *For Vandal Proof (-U), Add* | *63.11* | |
| 07 71 23 00-0324 | EA | 10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10) | 1,498.26 | 81.28 |
| | | *For Polished Brass Finish (-PB), Add* | *133.57* | |
| | | *For Chrome Plated Finish (-CP), Add* | *200.36* | |
| | | *For Vandal Proof (-U), Add* | *66.79* | |
| 07 71 23 00-0325 | EA | 12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12) | 1,643.80 | 113.47 |
| | | *For Polished Brass Finish (-PB), Add* | *141.68* | |
| | | *For Chrome Plated Finish (-CP), Add* | *212.53* | |
| | | *For Vandal Proof (-U), Add* | *70.84* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 23 00-0326 | EA | 15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15) | 1,812.49 | 157.82 |
| | | *For Polished Brass Finish (-PB), Add* | *149.69* | |
| | | *For Chrome Plated Finish (-CP), Add* | *224.53* | |
| | | *For Vandal Proof (-U), Add* | *74.84* | |

### 07 71 23 00-0327 Wall Mounted Downspout Nozzle *(07 71 23)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0328 | EA | 3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03) | 304.38 | 29.10 |
| | | *For Nickel Bronze Finish (-NB), Add* | *172.32* | |
| | | *For Polished Bronze Finish (-PB), Add* | *135.39* | |
| | | *For Chrome Plated Finish (-CP), Add* | *219.09* | |
| 07 71 23 00-0329 | EA | 4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04) | 323.78 | 38.80 |
| | | *For Nickel Bronze Finish (-NB), Add* | *172.32* | |
| | | *For Polished Bronze Finish (-PB), Add* | *135.39* | |
| | | *For Chrome Plated Finish (-CP), Add* | *219.09* | |
| 07 71 23 00-0330 | EA | 6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06) | 688.45 | 52.26 |
| | | *For Nickel Bronze Finish (-NB), Add* | *175.19* | |
| | | *For Polished Bronze Finish (-PB), Add* | *99.27* | |
| | | *For Chrome Plated Finish (-CP), Add* | *256.94* | |
| 07 71 23 00-0331 | EA | 8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08) | 1,018.37 | 65.98 |
| | | *For Nickel Bronze Finish (-NB), Add* | *150.69* | |
| | | *For Polished Bronze Finish (-PB), Add* | *115.23* | |
| | | *For Chrome Plated Finish (-CP), Add* | *257.06* | |
| 07 71 23 00-0332 | EA | 10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10) | 1,313.36 | 81.28 |
| | | *For Nickel Bronze Finish (-NB), Add* | *195.64* | |
| | | *For Polished Bronze Finish (-PB), Add* | *149.60* | |
| | | *For Chrome Plated Finish (-CP), Add* | *333.73* | |
| 07 71 23 00-0333 | EA | 12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12) | 1,674.70 | 113.47 |
| | | *For Nickel Bronze Finish (-NB), Add* | *246.12* | |
| | | *For Polished Bronze Finish (-PB), Add* | *188.21* | |
| | | *For Chrome Plated Finish (-CP), Add* | *419.84* | |

### 07 71 23 00-0334 Leaf Guards And Cleaning *(07 71 23)*

| | | | | |
|---|---|---|---|---|
| 07 71 23 00-0335 | LF | Aluminum Mesh Gutter Leaf Guard | 3.91 | 0.89 |
| | | *For Up To 100', Add* | *0.65* | |
| | | *For >100' To 250', Add* | *0.28* | |
| | | *For >1,000', Deduct* | *-0.18* | |
| 07 71 23 00-0336 | LF | Vinyl Mesh Gutter Leaf Guard | 2.98 | 0.89 |
| | | *For Up To 100', Add* | *0.56* | |
| | | *For >100' To 250', Add* | *0.24* | |
| | | *For >1,000', Deduct* | *-0.18* | |
| 07 71 23 00-0337 | LF | 6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire | 16.71 | 1.11 |
| | | *For Up To 100', Add* | *2.01* | |
| | | *For >100' To 250', Add* | *0.95* | |
| | | *For >1,000', Deduct* | *-0.22* | |
| 07 71 23 00-0338 | LF | 9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire | 23.98 | 1.11 |
| | | *For Up To 100', Add* | *2.73* | |
| | | *For >100' To 250', Add* | *1.31* | |
| | | *For >1,000', Deduct* | *-0.22* | |
| 07 71 23 00-0339 | LF | 6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh | 12.71 | 1.11 |
| | | *For Up To 100', Add* | *1.53* | |
| | | *For >100' To 250', Add* | *0.72* | |
| | | *For >1,000', Deduct* | *-0.18* | |
| 07 71 23 00-0340 | LF | 9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh | 19.68 | 1.11 |
| | | *For Up To 100', Add* | *2.23* | |
| | | *For >100' To 250', Add* | *1.07* | |
| | | *For >1,000', Deduct* | *-0.18* | |
| 07 71 23 00-0341 | EA | Cleanout Roof Drain<br>Note: Includes removing dome and flushing. | 176.32 | |
| 07 71 23 00-0342 | LF | Cleanout Roof Gutters And Downspouts | 2.06 | |
| 07 71 23 00-0343 | LF | Cleanout Blocked Downspouts By Hydrojetting | 3.39 | |

## 07 71 26 Reglets *(07 71)*

### 07 71 26 00-0001 Counter Flashing With Reglet *(07 71 26)*

Note: Includes reglet cut.

### 07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

### 07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

| | | | | |
|---|---|---|---|---|
| 07 71 26 00-0004 | LF | 28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet | 17.23 | 5.77 |
| 07 71 26 00-0005 | LF | 26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet | 17.39 | 5.77 |
| 07 71 26 00-0006 | LF | 24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet | 17.66 | 5.77 |
| 07 71 26 00-0007 | LF | 22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet | 18.69 | 5.77 |
| 07 71 26 00-0008 | LF | 20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet | 19.28 | 5.77 |
| 07 71 26 00-0009 | LF | 18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet | 19.95 | 5.77 |

### 07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

| | | | | |
|---|---|---|---|---|
| 07 71 26 00-0011 | LF | 28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet | 19.79 | 5.77 |
| 07 71 26 00-0012 | LF | 26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet | 20.01 | 5.77 |
| 07 71 26 00-0013 | LF | 24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet | 20.41 | 5.77 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 71 26 00-0014 | LF | 22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet | 21.90 | 5.77 |
| 07 71 26 00-0015 | LF | 20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet | 22.75 | 5.77 |
| 07 71 26 00-0016 | LF | 18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet | 23.73 | 5.77 |
| 07 71 26 00-0017 | | Aluminum Counter Flashing With Reglet *(07 71 26 00-0001)* | | |
| 07 71 26 00-0018 | | KYNAR 500® Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)* | | |
| 07 71 26 00-0019 | LF | 0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet | 15.80 | 5.77 |
| 07 71 26 00-0020 | LF | 0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet | 16.48 | 5.77 |
| 07 71 26 00-0021 | LF | 0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet | 17.15 | 5.77 |
| 07 71 26 00-0022 | LF | 0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet | 17.63 | 5.77 |
| 07 71 26 00-0023 | LF | 0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet | 18.72 | 5.77 |
| 07 71 26 00-0024 | LF | 0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet | 20.28 | 5.77 |
| 07 71 26 00-0025 | | Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)* | | |
| 07 71 26 00-0026 | LF | 0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet | 14.27 | 5.77 |
| 07 71 26 00-0027 | LF | 0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet | 14.70 | 5.77 |
| 07 71 26 00-0028 | LF | 0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet | 15.12 | 5.77 |
| 07 71 26 00-0029 | LF | 0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet | 15.43 | 5.77 |
| 07 71 26 00-0030 | LF | 0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet | 16.13 | 5.77 |
| 07 71 26 00-0031 | LF | 0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet | 17.13 | 5.77 |
| 07 71 26 00-0032 | | Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)* | | |
| 07 71 26 00-0033 | LF | 0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet | 15.49 | 5.77 |
| 07 71 26 00-0034 | LF | 0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet | 16.11 | 5.77 |
| 07 71 26 00-0035 | LF | 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet | 16.73 | 5.77 |
| 07 71 26 00-0036 | LF | 0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet | 17.18 | 5.77 |
| 07 71 26 00-0037 | LF | 0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet | 18.18 | 5.77 |
| 07 71 26 00-0038 | LF | 0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet | 19.64 | 5.77 |
| 07 71 26 00-0039 | | Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)* | | |
| 07 71 26 00-0040 | | Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)* | | |
| 07 71 26 00-0041 | LF | 24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet | 21.30 | 5.77 |
| 07 71 26 00-0042 | LF | 22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet | 22.60 | 5.77 |
| 07 71 26 00-0043 | LF | 20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet | 23.03 | 5.77 |
| 07 71 26 00-0044 | | Copper Counter Flashing With Reglet *(07 71 26 00-0001)* | | |
| 07 71 26 00-0045 | | Copper Counter Flashing With Reglet *(07 71 26 00-0044)* | | |
| 07 71 26 00-0046 | LF | 16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet | 50.67 | 5.77 |

## 07 72 Roof Accessories *(07 70)*

### 07 72 13 Manufactured Curbs *(07 72)*

07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)*
Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashinig and trim.

07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)*
Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.

07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0005 | EA | 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,023.78 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *69.47* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *171.85* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0006 | EA | 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,039.34 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *71.03* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *174.96* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-44.39* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *17.57* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *39.70* | |
| 07 72 13 00-0007 | EA | 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,129.38 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *75.92* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *188.85* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0008 | EA | 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,189.01 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *81.88* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *200.78* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-72.33* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *27.24* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.73* | |
| 07 72 13 00-0009 | EA | 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,233.09 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *86.29* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *209.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0010 | EA | 26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,491.69 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *108.03* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *257.20* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-120.01* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-20.44* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *21.60* | |
| 07 72 13 00-0011 | EA | 38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,044.52 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *71.54* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *176.00* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *11.62* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *139.97* | |
| 07 72 13 00-0012 | EA | 38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,131.97 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *76.18* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *189.37* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-69.04* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.89* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *61.51* | |
| 07 72 13 00-0013 | EA | 38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,165.68 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *79.55* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *196.11* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-85.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *11.87* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.85* | |
| 07 72 13 00-0014 | EA | 38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,178.64 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *80.84* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *198.71* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0015 | EA | 38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,450.20 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *103.88* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *248.90* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |
| 07 72 13 00-0016 | EA | 38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,586.92 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *113.44* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *272.13* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *32.53* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *167.52* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *220.64* | |
| 07 72 13 00-0017 | EA | 50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,251.24 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *88.10* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *213.23* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0018 | EA | 50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,367.23 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *95.59* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *232.31* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-106.87* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-16.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *28.12* | |
| 07 72 13 00-0019 | EA | 50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,395.75 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *98.44* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *238.01* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0020 | EA | 50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,532.47 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *108.00* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *261.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-147.96* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-48.39* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.42* | |
| 07 72 13 00-0021 | EA | 51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,645.87 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *115.22* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *279.81* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0022 | EA | 51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,779.98 | 427.81 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *124.52* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *302.52* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-203.88* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-64.46* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *10.78* | |
| 07 72 13 00-0023 | EA | 62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,395.75 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *98.44* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *238.01* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *27.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.25* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *184.34* | |
| 07 72 13 00-0024 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,503.95 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *105.15* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *255.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |
| 07 72 13 00-0025 | EA | 62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,643.27 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *114.96* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *279.29* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-200.59* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-92.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *-27.98* | |
| 07 72 13 00-0026 | EA | 62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,669.20 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *117.56* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *284.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *40.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *148.93* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *259.58* | |
| 07 72 13 00-0027 | EA | 62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,808.51 | 427.81 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *127.37* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *308.23* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-253.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-142.54* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *-0.91* | |

### 07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

| | | | | |
|---|---|---|---|---|
| 07 72 13 00-0029 | EA | 26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,057.49 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *72.84* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *178.59* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0030 | EA | 26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,065.27 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *73.62* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *180.15* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-44.39* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *17.57* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *39.70* | |
| 07 72 13 00-0031 | EA | 26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,155.30 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *78.51* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *194.04* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0032 | EA | 26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,222.72 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *85.25* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *207.52* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-72.33* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *27.24* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.73* | |
| 07 72 13 00-0033 | EA | 26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,271.98 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *90.18* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *217.37* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0034 | EA | 26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,522.80 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *111.14* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *263.42* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-120.01* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-20.44* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *21.60* | |
| 07 72 13 00-0035 | EA | 38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,067.86 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *73.88* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *180.66* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *11.62* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *139.97* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0036 | EA | 38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,201.98 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *83.18* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *203.37* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-69.04* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.89* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *61.51* | |
| 07 72 13 00-0037 | EA | 38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,253.83 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *88.36* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *213.74* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-85.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *11.87* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.85* | |
| 07 72 13 00-0038 | EA | 38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,313.47 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *94.33* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *225.67* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0039 | EA | 38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,491.69 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *108.03* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *257.20* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |
| 07 72 13 00-0040 | EA | 38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,638.78 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *118.63* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *282.51* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *32.53* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *167.52* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *220.64* | |
| 07 72 13 00-0041 | EA | 50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,282.36 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *91.21* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *219.45* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0042 | EA | 50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,393.16 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *98.18* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *237.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-106.87* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-16.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *28.12* | |
| 07 72 13 00-0043 | EA | 50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,434.64 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *102.33* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *245.79* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0044 | EA | 50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,573.96 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *112.15* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *269.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-147.96* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-48.39* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.42* | |
| 07 72 13 00-0045 | EA | 51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,695.13 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *120.15* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *289.66* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |
| 07 72 13 00-0046 | EA | 51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,837.03 | 427.81 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *130.23* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *313.93* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-203.88* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-64.46* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *10.78* | |
| 07 72 13 00-0047 | EA | 62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,434.64 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *102.33* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *245.79* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *27.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.25* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *184.34* | |
| 07 72 13 00-0048 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,545.44 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *109.29* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *263.84* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |
| 07 72 13 00-0049 | EA | 62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,687.35 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *119.37* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *288.11* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-200.59* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-92.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *-27.98* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0050 | EA | 62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,721.06 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *122.74* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *294.85* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *40.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *148.93* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *259.58* | |
| 07 72 13 00-0051 | EA | 62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,865.55 | 427.81 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *133.08* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *319.63* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-253.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-142.54* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *-0.91* | |
| 07 72 13 00-0052 | | 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)* | | |
| 07 72 13 00-0053 | EA | 26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,075.64 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *74.66* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *182.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0054 | EA | 26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,083.42 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *75.43* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *183.78* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-44.39* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *17.57* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *39.70* | |
| 07 72 13 00-0055 | EA | 26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,168.27 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *79.81* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *196.63* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0056 | EA | 26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,243.46 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *87.32* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *211.67* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-72.33* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *27.24* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.73* | |
| 07 72 13 00-0057 | EA | 26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,300.51 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *93.03* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *223.08* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0058 | EA | 26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,559.10 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *114.77* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *270.68* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-120.01* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-20.44* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *21.60* | |
| 07 72 13 00-0059 | EA | 38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,083.42 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *75.43* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *183.78* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *11.62* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *139.97* | |
| 07 72 13 00-0060 | EA | 38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,168.27 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *79.81* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *196.63* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-69.04* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.89* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *61.51* | |
| 07 72 13 00-0061 | EA | 38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,300.51 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *93.03* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *223.08* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-85.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *11.87* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.85* | |
| 07 72 13 00-0062 | EA | 38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,362.74 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *99.25* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *235.53* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0063 | EA | 38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,522.80 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *111.14* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *263.42* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0064 | EA | 38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,672.49 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *122.00* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *289.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *32.53* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *167.52* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *220.64* | |
| 07 72 13 00-0065 | EA | 50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,303.10 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *93.29* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *223.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0066 | EA | 50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,333.92 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *92.26* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *225.65* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-106.87* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-16.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *28.12* | |
| 07 72 13 00-0067 | EA | 50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,460.57 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *104.92* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *250.98* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0068 | EA | 50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,605.07 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *115.26* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *275.76* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-147.96* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-48.39* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.42* | |
| 07 72 13 00-0069 | EA | 51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,726.25 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *123.26* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *295.89* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |
| 07 72 13 00-0070 | EA | 51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,873.33 | 427.81 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *133.86* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *321.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-203.88* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-64.46* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *10.78* | |
| 07 72 13 00-0071 | EA | 62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,460.57 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *104.92* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *250.98* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *27.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.25* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *184.34* | |
| 07 72 13 00-0072 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,573.96 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *112.15* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *269.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |
| 07 72 13 00-0073 | EA | 62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,721.06 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *122.74* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *294.85* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-200.59* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-92.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *-27.98* | |
| 07 72 13 00-0074 | EA | 62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,754.77 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *126.11* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *301.59* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *40.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *148.93* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *259.58* | |
| 07 72 13 00-0075 | EA | 62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,904.44 | 427.81 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *136.97* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *327.41* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-253.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-142.54* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *-0.91* | |

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0077 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0078 | EA | 26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 995.26 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *66.62* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *166.14* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0079 | EA | 26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,028.96 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *69.99* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *172.88* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-44.39* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *17.57* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *39.70* | |
| 07 72 13 00-0080 | EA | 26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,176.05 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *80.58* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *198.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0081 | EA | 26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,253.83 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *88.36* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *213.74* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-72.33* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *27.24* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.73* | |
| 07 72 13 00-0082 | EA | 26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,310.88 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *94.07* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *225.15* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0083 | EA | 26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,600.59 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *118.92* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *278.98* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-120.01* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-20.44* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *21.60* | |
| 07 72 13 00-0084 | EA | 38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,091.19 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *76.21* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *185.33* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *11.62* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *139.97* | |
| 07 72 13 00-0085 | EA | 38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,196.79 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *82.66* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *202.34* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-69.04* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.89* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *61.51* | |
| 07 72 13 00-0086 | EA | 38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,222.72 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *85.25* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *207.52* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-85.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *11.87* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.85* | |
| 07 72 13 00-0087 | EA | 38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,246.06 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *87.58* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *212.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0088 | EA | 38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,538.36 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *112.70* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *266.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |
| 07 72 13 00-0089 | EA | 38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,690.64 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *123.81* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *292.88* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *32.53* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *167.52* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *220.64* | |
| 07 72 13 00-0090 | EA | 50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,313.47 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *94.33* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *225.67* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0091 | EA | 50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,432.05 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *102.07* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *245.27* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-106.87* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-16.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *28.12* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0092 | EA | 50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,473.54 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *106.22* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *253.57* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0093 | EA | 50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,620.63 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *116.81* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *278.88* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-147.96* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-48.39* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.42* | |
| 07 72 13 00-0094 | EA | 51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,741.80 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *124.82* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *299.00* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |
| 07 72 13 00-0095 | EA | 51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,891.48 | 427.81 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *135.67* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *324.82* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-203.88* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-64.46* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *10.78* | |
| 07 72 13 00-0096 | EA | 62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,473.54 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *106.22* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *253.57* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *27.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.25* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *184.34* | |
| 07 72 13 00-0097 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,586.92 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *113.44* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *272.13* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |
| 07 72 13 00-0098 | EA | 62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,736.62 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *124.30* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *297.96* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-200.59* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-92.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *-27.98* | |
| 07 72 13 00-0099 | EA | 62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,772.92 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *127.93* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *305.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *40.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *148.93* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *259.58* | |
| 07 72 13 00-0100 | EA | 62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,925.19 | 427.81 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *139.04* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *331.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-253.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-142.54* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *-0.91* | |

### 07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

| | | | | |
|---|---|---|---|---|
| 07 72 13 00-0102 | EA | 26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,018.59 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *68.95* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *170.81* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0103 | EA | 26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,057.49 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *72.84* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *178.59* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-44.39* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *17.57* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *39.70* | |
| 07 72 13 00-0104 | EA | 26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,214.94 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *84.47* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *205.97* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0105 | EA | 26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,300.51 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *93.03* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *223.08* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-72.33* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *27.24* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.73* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0106 | EA | 26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,370.51 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *100.03* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *237.08* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0107 | EA | 26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,610.96 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *119.96* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *281.06* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-120.01* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-20.44* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *21.60* | |
| 07 72 13 00-0108 | EA | 38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,124.90 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *79.58* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *192.07* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *11.62* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *139.97* | |
| 07 72 13 00-0109 | EA | 38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,238.28 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *86.81* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *210.63* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-69.04* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.89* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *61.51* | |
| 07 72 13 00-0110 | EA | 38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,271.98 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *90.18* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *217.37* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-85.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *11.87* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.85* | |
| 07 72 13 00-0111 | EA | 38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,303.10 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *93.29* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *223.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0112 | EA | 38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,600.59 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *118.92* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *278.98* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |
| 07 72 13 00-0113 | EA | 38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,765.83 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *131.33* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *307.92* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *32.53* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *167.52* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *220.64* | |
| 07 72 13 00-0114 | EA | 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,360.14 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *98.99* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *235.01* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0115 | EA | 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,483.91 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *107.26* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *255.65* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-106.87* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-16.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *28.12* | |
| 07 72 13 00-0116 | EA | 50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,533.17 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *112.18* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *265.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0117 | EA | 50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,682.86 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *123.04* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *291.32* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-147.96* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-48.39* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.42* | |
| 07 72 13 00-0118 | EA | 51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,814.41 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *132.08* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *313.52* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |
| 07 72 13 00-0119 | EA | 51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,974.45 | 427.81 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *143.97* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *341.41* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-203.88* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-64.46* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *10.78* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0120 | EA | 62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,533.17 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *112.18* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *265.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *27.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.25* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *184.34* | |
| 07 72 13 00-0121 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,654.34 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *120.18* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *285.62* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |
| 07 72 13 00-0122 | EA | 62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,809.22 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *131.56* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *312.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-200.59* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-92.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *-27.98* | |
| 07 72 13 00-0123 | EA | 62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,848.11 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *135.45* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *320.26* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *40.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *148.93* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *259.58* | |
| 07 72 13 00-0124 | EA | 62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 2,013.35 | 427.81 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *147.86* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *349.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-253.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-142.54* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *-0.91* | |

### 07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

| | | | | |
|---|---|---|---|---|
| 07 72 13 00-0126 | EA | 26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,036.74 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *70.77* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *174.44* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0127 | EA | 26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,078.23 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *74.91* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *182.74* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-44.39* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *17.57* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *39.70* | |
| 07 72 13 00-0128 | EA | 26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,238.28 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *86.81* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *210.63* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0129 | EA | 26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,331.62 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *96.14* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *229.30* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-72.33* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *27.24* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.73* | |
| 07 72 13 00-0130 | EA | 26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,409.41 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *103.92* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *244.86* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0131 | EA | 26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,693.93 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *128.26* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *297.65* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-120.01* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-20.44* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *21.60* | |
| 07 72 13 00-0132 | EA | 38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,150.83 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *82.17* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *197.26* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *11.62* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *139.97* | |
| 07 72 13 00-0133 | EA | 38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,282.36 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *91.21* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *219.45* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-69.04* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.89* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *61.51* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0134 | EA | 38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,329.03 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *95.88* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *228.78* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-85.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *11.87* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.85* | |
| 07 72 13 00-0135 | EA | 38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,339.40 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *96.92* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *230.86* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0136 | EA | 38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,647.26 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *123.59* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *288.32* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |
| 07 72 13 00-0137 | EA | 38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,817.69 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *136.52* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *318.29* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *32.53* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *167.52* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *220.64* | |
| 07 72 13 00-0138 | EA | 50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,391.26 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *102.10* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *241.23* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0139 | EA | 50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,415.80 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *100.44* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *242.02* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-106.87* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-16.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *28.12* | |
| 07 72 13 00-0140 | EA | 50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,572.07 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *116.07* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *273.28* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0141 | EA | 50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,729.53 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *127.70* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *300.66* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-147.96* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-48.39* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.42* | |
| 07 72 13 00-0142 | EA | 51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,861.08 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *136.74* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *322.85* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |
| 07 72 13 00-0143 | EA | 51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 2,031.50 | 427.81 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *149.67* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *352.82* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-203.88* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-64.46* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *10.78* | |
| 07 72 13 00-0144 | EA | 62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,572.07 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *116.07* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *273.28* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *27.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.25* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *184.34* | |
| 07 72 13 00-0145 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,701.01 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *124.85* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *294.95* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |
| 07 72 13 00-0146 | EA | 62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,853.30 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *135.97* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *321.30* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-200.59* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-92.14* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *-27.98* | |
| 07 72 13 00-0147 | EA | 62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 1,899.97 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *140.63* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *330.63* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *40.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *148.93* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *259.58* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0148 | EA | 62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb | 2,070.39 | 427.81 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *153.56* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *360.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-253.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-142.54* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *-0.91* | |

## 07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0001)*

Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.

### 07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

| | | | | |
|---|---|---|---|---|
| 07 72 13 00-0151 | EA | 14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 979.17 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *65.01* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *162.93* | |
| 07 72 13 00-0152 | EA | 23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 1,121.67 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *79.26* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *191.43* | |
| 07 72 13 00-0153 | EA | 32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 1,283.18 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *91.30* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *219.61* | |
| 07 72 13 00-0154 | EA | 41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 1,396.96 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *102.67* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *242.37* | |
| 07 72 13 00-0155 | EA | 50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 1,545.41 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *113.41* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *267.95* | |

### 07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

| | | | | |
|---|---|---|---|---|
| 07 72 13 00-0157 | EA | 14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 1,187.83 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *85.87* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *204.66* | |
| 07 72 13 00-0158 | EA | 23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 1,381.23 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *105.21* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *243.34* | |
| 07 72 13 00-0159 | EA | 32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 1,468.94 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *109.87* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *256.77* | |
| 07 72 13 00-0160 | EA | 41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 1,541.65 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *117.14* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *271.31* | |
| 07 72 13 00-0161 | EA | 50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 1,725.71 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *131.44* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *304.01* | |
| 07 72 13 00-0162 | EA | 64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 2,697.92 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *224.54* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *494.33* | |

### 07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

| | | | | |
|---|---|---|---|---|
| 07 72 13 00-0164 | EA | 17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 1,530.64 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *120.16* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *273.22* | |
| 07 72 13 00-0165 | EA | 24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 1,728.39 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *139.93* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *312.77* | |
| 07 72 13 00-0166 | EA | 31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb | 2,045.49 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *167.53* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *372.08* | |

### 07 72 13 00-0167 High Wind Applications, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0168 | EA | 38-1/2" Square Outside Dimensions, 24" Height, High Wind Applications, Insulated Galvanized Steel, Prefabricated Roof Curb (Greenheck GPF-40-G24) | 1,364.47 | 123.41 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *124.11* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *260.55* | |
| 07 72 13 00-0169 | EA | 38-1/2" Square Outside Dimensions, 27" Height, High Wind Applications, Insulated Galvanized Steel, Prefabricated Roof Curb (Greenheck GPF-40-G27) | 1,451.15 | 123.41 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *132.77* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *277.89* | |

## 07 72 13 00-0170 Wood, Prefabricated Roof Curbs *(07 72 13)*

Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.

## 07 72 13 00-0171 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0170)*

## 07 72 13 00-0172 2 x 6 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0171)*

| | | | | |
|---|---|---|---|---|
| 07 72 13 00-0173 | EA | 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb | 837.43 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *50.83* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *134.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0174 | EA | 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb | 932.97 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *56.28* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *149.57* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0175 | EA | 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb | 990.51 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *62.03* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *161.08* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0176 | EA | 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb | 983.87 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *61.37* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *159.75* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-85.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *11.87* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.85* | |
| 07 72 13 00-0177 | EA | 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb | 999.36 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *62.91* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *162.85* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0178 | EA | 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb | 1,119.26 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *70.79* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *182.72* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |
| 07 72 13 00-0179 | EA | 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb | 994.94 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *62.47* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *161.97* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0180 | EA | 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb | 1,139.18 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *72.78* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *186.70* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0181 | EA | 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb | 1,303.73 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *81.01* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *211.38* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |
| 07 72 13 00-0182 | EA | 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb | 1,099.34 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *68.80* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *178.73* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *27.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.25* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *184.34* | |
| 07 72 13 00-0183 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb | 1,208.17 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *75.57* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *196.38* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0184 | EA | 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb | 1,347.99 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *85.44* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *220.23* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *40.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *148.93* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *259.58* | |

### 07 72 13 00-0185 2 x 8 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0171)*

| | | | | |
|---|---|---|---|---|
| 07 72 13 00-0186 | EA | 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb | 850.71 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *52.16* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *137.23* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0187 | EA | 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb | 948.46 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *57.82* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *152.67* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0188 | EA | 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb | 1,032.56 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *66.23* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *169.49* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0189 | EA | 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb | 1,010.43 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *64.02* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *165.06* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-85.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *11.87* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.85* | |
| 07 72 13 00-0190 | EA | 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb | 1,032.56 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *66.23* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *169.49* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0191 | EA | 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb | 1,152.46 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *74.11* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *189.36* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |
| 07 72 13 00-0192 | EA | 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb | 1,019.28 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *64.91* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *166.83* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0193 | EA | 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb | 1,170.16 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *75.88* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *192.90* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0194 | EA | 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb | 1,334.71 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *84.11* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *217.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |
| 07 72 13 00-0195 | EA | 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb | 1,123.69 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *71.23* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *183.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *27.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.25* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *184.34* | |
| 07 72 13 00-0196 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb | 1,236.94 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *78.44* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *202.14* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |
| 07 72 13 00-0197 | EA | 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb | 1,378.97 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *88.53* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *226.43* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *40.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *148.93* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *259.58* | |

### 07 72 13 00-0198 2 x 10 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0171)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0199 | EA | 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb | 859.56 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *53.05* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *139.00* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0200 | EA | 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb | 963.95 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *59.37* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *155.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0201 | EA | 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb | 1,036.98 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *66.68* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *170.37* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0202 | EA | 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb | 1,025.92 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *65.57* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *168.16* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-85.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *11.87* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.85* | |
| 07 72 13 00-0203 | EA | 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb | 1,052.47 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *68.23* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *173.47* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0204 | EA | 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb | 1,174.59 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *76.32* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *193.78* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |
| 07 72 13 00-0205 | EA | 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb | 1,034.77 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *66.46* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *169.93* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0206 | EA | 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb | 1,190.08 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *77.87* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *196.88* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0207 | EA | 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb | 1,354.63 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *86.10* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *221.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |
| 07 72 13 00-0208 | EA | 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb | 1,139.18 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *72.78* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *186.70* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *27.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.25* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *184.34* | |
| 07 72 13 00-0209 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb | 1,254.64 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *80.21* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *205.68* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |
| 07 72 13 00-0210 | EA | 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb | 1,401.10 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *90.75* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *230.86* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *40.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *148.93* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *259.58* | |
| 07 72 13 00-0211 | | 2 x 12 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0171)* | | |
| 07 72 13 00-0212 | EA | 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb | 870.63 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *54.15* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *141.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0213 | EA | 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb | 972.80 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *60.26* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *157.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0214 | EA | 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb | 1,056.90 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *68.67* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *174.36* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0215 | EA | 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb | 1,074.60 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *70.44* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *177.90* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0216 | EA | 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb | 1,198.93 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *78.76* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *198.65* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |
| 07 72 13 00-0217 | EA | 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb | 1,054.69 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *68.45* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *173.92* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0218 | EA | 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb | 1,212.21 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *80.09* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *201.31* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0219 | EA | 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb | 1,381.18 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *88.75* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *226.87* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |
| 07 72 13 00-0220 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb | 1,272.35 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *81.99* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *209.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |

### 07 72 13 00-0221 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0170)*

### 07 72 13 00-0222 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0221)*

| | | | | |
|---|---|---|---|---|
| 07 72 13 00-0223 | EA | 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb | 855.14 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *52.61* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *138.12* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0224 | EA | 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb | 948.46 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *57.82* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *152.67* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0225 | EA | 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb | 1,019.28 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *64.91* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *166.83* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0226 | EA | 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb | 1,003.79 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *63.36* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *163.74* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-85.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *11.87* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.85* | |
| 07 72 13 00-0227 | EA | 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb | 1,023.70 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *65.35* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *167.72* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0228 | EA | 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb | 1,145.82 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *73.45* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *188.03* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |
| 07 72 13 00-0229 | EA | 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb | 1,014.85 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *64.46* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *165.95* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0230 | EA | 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb | 1,163.52 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *75.22* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *191.57* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0231 | EA | 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb | 1,328.07 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *83.44* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *216.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |
| 07 72 13 00-0232 | EA | 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb | 1,125.90 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *71.45* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *184.04* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *27.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.25* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *184.34* | |
| 07 72 13 00-0233 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb | 1,232.51 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *78.00* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *201.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |
| 07 72 13 00-0234 | EA | 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb | 1,378.97 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *88.53* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *226.43* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *40.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *148.93* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *259.58* | |
| 07 72 13 00-0235 | | 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0221)* | | |
| 07 72 13 00-0236 | EA | 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb | 870.63 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *54.15* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *141.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0237 | EA | 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb | 966.17 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *59.60* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *156.21* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0238 | EA | 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb | 1,045.83 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *67.56* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *172.14* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0239 | EA | 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb | 1,030.34 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *66.01* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *169.05* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-85.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *11.87* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.85* | |
| 07 72 13 00-0240 | EA | 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb | 1,059.11 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *68.89* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *174.80* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0241 | EA | 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb | 1,185.65 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *77.43* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *195.99* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0242 | EA | 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb | 1,045.83 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *67.56* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *172.14* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0243 | EA | 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb | 1,201.14 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *78.98* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *199.09* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0244 | EA | 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb | 1,370.12 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *87.65* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *224.66* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |
| 07 72 13 00-0245 | EA | 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb | 1,154.67 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *74.33* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *189.80* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *27.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.25* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *184.34* | |
| 07 72 13 00-0246 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb | 1,265.71 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *81.32* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *207.89* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |
| 07 72 13 00-0247 | EA | 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb | 1,416.59 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *92.30* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *233.95* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *40.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *148.93* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *259.58* | |
| 07 72 13 00-0248 | | 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0221)* | | |
| 07 72 13 00-0249 | EA | 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb | 883.91 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *55.48* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *143.87* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0250 | EA | 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb | 983.87 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *61.37* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *159.75* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0251 | EA | 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb | 1,072.39 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *70.22* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *177.46* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0252 | EA | 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb | 1,050.26 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *68.00* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *173.03* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-85.48* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *11.87* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *42.85* | |
| 07 72 13 00-0253 | EA | 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb | 1,085.67 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *71.55* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *180.11* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0254 | EA | 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb | 1,214.42 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *80.31* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *201.75* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |
| 07 72 13 00-0255 | EA | 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb | 1,065.75 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *69.55* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *176.13* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0256 | EA | 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb | 1,225.49 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *81.41* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *203.96* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0257 | EA | 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb | 1,396.67 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *90.30* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *229.97* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |
| 07 72 13 00-0258 | EA | 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb | 1,176.80 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *76.54* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *194.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *27.22* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *100.25* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *184.34* | |
| 07 72 13 00-0259 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb | 1,290.05 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *83.76* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *212.76* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |
| 07 72 13 00-0260 | EA | 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb | 1,445.36 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *95.17* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *239.71* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *40.50* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *148.93* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *259.58* | |

## 07 72 13 00-0261 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0221)*

| | | | | |
|---|---|---|---|---|
| 07 72 13 00-0262 | EA | 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb | 910.46 | 263.27 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *58.14* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *149.18* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-36.17* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *10.30* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *34.64* | |
| 07 72 13 00-0263 | EA | 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb | 997.15 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *62.69* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *162.41* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-54.24* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *23.20* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *38.69* | |
| 07 72 13 00-0264 | EA | 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb | 1,092.31 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *72.21* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *181.44* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.25* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *128.69* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *141.96* | |
| 07 72 13 00-0265 | EA | 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb | 1,107.80 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *73.76* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *184.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *20.58* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *126.80* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *155.57* | |
| 07 72 13 00-0266 | EA | 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb | 1,298.52 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *88.72* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *218.57* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *26.56* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *143.84* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *188.10* | |
| 07 72 13 00-0267 | EA | 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb | 1,129.93 | 296.18 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *75.97* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *188.96* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-88.77* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *8.58* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *32.93* | |
| 07 72 13 00-0268 | EA | 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb | 1,302.94 | 329.09 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *89.16* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *219.45* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-126.60* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-49.13* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *26.09* | |
| 07 72 13 00-0269 | EA | 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb | 1,485.19 | 394.90 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *99.16* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *247.67* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *34.19* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *158.12* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *213.44* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 13 00-0270 | EA | 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb | 1,371.93 | 362.00 |
| | | *For Sloped Roofs Up To 1 In 12 Pitch, Add* | *91.94* | |
| | | *For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add* | *229.14* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add* | *-154.54* | |
| | | *For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add* | *-46.10* | |
| | | *For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add* | *22.48* | |

### 07 72 13 00-0271 Penetration Seals (ChemLink) *(07 72 13)*

### 07 72 13 00-0272 ChemCurb Penetration Seals (ChemLink ChemCurb) *(07 72 13 00-0271)*

| | | | |
|---|---|---|---|
| 07 72 13 00-0273 | EA | 5" Inside Diameter Penetration Seals (ChemLink ChemCurb System)<br>Note: Includes 5-inch inside diameter round ChemCurb, M-1® structural adhesive/sealant, and 1-part pourable sealant | 135.51 |
| 07 72 13 00-0274 | EA | 7-1/2" Inside Diameter Penetration Seals (ChemLink ChemCurb System)<br>Note: Includes 7.5-inch inside diameter round ChemCurb, M-1® structural adhesive/sealant, and 1-part pourable sealant | 218.88 |

### 07 72 13 00-0275 E-Curb Penetration Seals (ChemLink E-Curb) *(07 72 13 00-0271)*

| | | | |
|---|---|---|---|
| 07 72 13 00-0276 | EA | 3" Inside Diameter E-Curb Penetration Seals (ChemLink)<br>Note: Includes 3-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant | 62.07 |
| 07 72 13 00-0277 | EA | 4" Inside Diameter E-Curb Penetration Seals (ChemLink)<br>Note: Includes 4-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant | 76.12 |
| 07 72 13 00-0278 | EA | 5" Inside Diameter E-Curb Penetration Seals (ChemLink)<br>Note: Includes 5-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant | 100.38 |
| 07 72 13 00-0279 | EA | 6" Inside Diameter E-Curb Penetration Seals (ChemLink)<br>Note: Includes 6-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant | 105.95 |
| 07 72 13 00-0280 | EA | 9" Inside Diameter E-Curb Penetration Seals (ChemLink)<br>Note: Includes 9-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant | 142.79 |

### 07 72 13 00-0281 ChemCurb And E-Curb Penetration Seals Accessories *(07 72 13 00-0271)*

| | | | |
|---|---|---|---|
| 07 72 13 00-0282 | EA | 5" Long ChemCurb Straight Piece For Penetration Seals (ChemLink)<br>Note: For use with ChemCurb seals too make oval/rectangular curbs. | 45.22 |
| 07 72 13 00-0283 | EA | 12" Long ChemCurb Straight Piece For Penetration Seals (ChemLink)<br>Note: For use with ChemCurb seals too make oval/rectangular curbs. | 50.44 |
| 07 72 13 00-0284 | EA | 8" Long E-Curb Straight Piece For Penetration Seals (ChemLink)<br>Note: For use with E-Curb seals too make rectangular or "L" shaped curbs. | 20.01 |
| 07 72 13 00-0285 | EA | 1/2 Gallon, 1-Part Pourable Penetration Sealant (ChemLink SS-Chem-F1426)<br>Note: For use with ChemCurb and E-Curb seals. | 81.71 |
| 07 72 13 00-0286 | EA | 10.1 oz, M-1 Structural Adhesive/Sealant (ChemLink SS-Chem-F1270)<br>Note: For use with ChemCurb and E-Curb seals. | 25.62 |

## 07 72 23 Relief Vents *(07 72)*

### 07 72 23 00-0001 Wind Driven Turbine Ventilators *(07 72 23)*
Note: Excludes curb or flange base.

### 07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 72 23 00-0003 | EA | 6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator | 190.39 | 35.67 |
| | | *For Curb Or Flange Base, Add* | *208.99* | |
| 07 72 23 00-0004 | EA | 9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator | 229.01 | 39.49 |
| | | *For Curb Or Flange Base, Add* | *229.47* | |
| 07 72 23 00-0005 | EA | 12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator | 246.37 | 47.14 |
| | | *For Curb Or Flange Base, Add* | *254.49* | |
| 07 72 23 00-0006 | EA | 15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator | 480.18 | 52.23 |
| | | *For Curb Or Flange Base, Add* | *415.51* | |
| 07 72 23 00-0007 | EA | 18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator | 663.80 | 58.60 |
| | | *For Curb Or Flange Base, Add* | *449.62* | |
| 07 72 23 00-0008 | EA | 21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator | 802.24 | 63.69 |
| | | *For Curb Or Flange Base, Add* | *488.19* | |
| 07 72 23 00-0009 | EA | 24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator | 1,026.49 | 71.33 |
| | | *For Curb Or Flange Base, Add* | *599.37* | |
| 07 72 23 00-0010 | EA | 36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator | 1,699.81 | 95.54 |
| | | *For Curb Or Flange Base, Add* | *988.27* | |

### 07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 72 23 00-0012 | EA | 6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator | 176.32 | 35.67 |
| | | *For Curb Or Flange Base, Add* | *209.50* | |
| 07 72 23 00-0013 | EA | 9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator | 220.26 | 39.49 |
| | | *For Curb Or Flange Base, Add* | *230.61* | |
| 07 72 23 00-0014 | EA | 12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator | 246.37 | 47.14 |
| | | *For Curb Or Flange Base, Add* | *255.30* | |
| 07 72 23 00-0015 | EA | 15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator | 442.19 | 52.23 |
| | | *For Curb Or Flange Base, Add* | *440.78* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 23 00-0016 | EA | 18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator | 571.54 | 58.60 |
| | | *For Curb Or Flange Base, Add* | *470.69* | |
| 07 72 23 00-0017 | EA | 21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator | 724.16 | 63.69 |
| | | *For Curb Or Flange Base, Add* | *530.78* | |
| 07 72 23 00-0018 | EA | 24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator | 979.30 | 71.33 |
| | | *For Curb Or Flange Base, Add* | *641.84* | |
| 07 72 23 00-0019 | EA | 36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator | 1,459.83 | 95.54 |
| | | *For Curb Or Flange Base, Add* | *966.68* | |

## 07 72 23 00-0020 Stationary Siphon Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

## 07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*

| | | | | |
|---|---|---|---|---|
| 07 72 23 00-0022 | EA | 6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator | 159.77 | 35.67 |
| | | *For Curb Or Flange Base, Add* | *208.99* | |
| 07 72 23 00-0023 | EA | 9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator | 211.50 | 39.49 |
| | | *For Curb Or Flange Base, Add* | *229.47* | |
| 07 72 23 00-0024 | EA | 12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator | 232.02 | 47.14 |
| | | *For Curb Or Flange Base, Add* | *254.49* | |
| 07 72 23 00-0025 | EA | 15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator | 401.62 | 52.23 |
| | | *For Curb Or Flange Base, Add* | *415.51* | |
| 07 72 23 00-0026 | EA | 18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator | 464.98 | 58.60 |
| | | *For Curb Or Flange Base, Add* | *449.62* | |
| 07 72 23 00-0027 | EA | 21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator | 661.73 | 63.69 |
| | | *For Curb Or Flange Base, Add* | *488.19* | |
| 07 72 23 00-0028 | EA | 24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator | 863.64 | 71.33 |
| | | *For Curb Or Flange Base, Add* | *599.37* | |
| 07 72 23 00-0029 | EA | 36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator | 1,253.09 | 95.54 |
| | | *For Curb Or Flange Base, Add* | *988.27* | |

## 07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators *(07 72 23 00-0020)*

| | | | | |
|---|---|---|---|---|
| 07 72 23 00-0031 | EA | 6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator | 169.36 | 35.67 |
| | | *For Curb Or Flange Base, Add* | *209.50* | |
| 07 72 23 00-0032 | EA | 9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator | 224.42 | 39.49 |
| | | *For Curb Or Flange Base, Add* | *230.61* | |
| 07 72 23 00-0033 | EA | 12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator | 249.86 | 47.14 |
| | | *For Curb Or Flange Base, Add* | *255.30* | |
| 07 72 23 00-0034 | EA | 15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator | 409.40 | 52.23 |
| | | *For Curb Or Flange Base, Add* | *440.78* | |
| 07 72 23 00-0035 | EA | 18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator | 515.84 | 58.60 |
| | | *For Curb Or Flange Base, Add* | *470.69* | |
| 07 72 23 00-0036 | EA | 21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator | 633.62 | 63.69 |
| | | *For Curb Or Flange Base, Add* | *530.78* | |
| 07 72 23 00-0037 | EA | 24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator | 909.70 | 71.33 |
| | | *For Curb Or Flange Base, Add* | *641.84* | |
| 07 72 23 00-0038 | EA | 36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator | 1,370.86 | 95.54 |
| | | *For Curb Or Flange Base, Add* | *966.68* | |

## 07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

| | | | | |
|---|---|---|---|---|
| 07 72 23 00-0040 | EA | 8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator | 341.92 | 57.32 |
| | | *For Backdraft Damper, Add* | *189.08* | |
| | | *For Curb Base, Add* | *271.71* | |
| 07 72 23 00-0041 | EA | 10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator | 423.94 | 63.69 |
| | | *For Backdraft Damper, Add* | *206.87* | |
| | | *For Curb Base, Add* | *297.09* | |
| 07 72 23 00-0042 | EA | 12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator | 478.02 | 76.43 |
| | | *For Backdraft Damper, Add* | *282.50* | |
| | | *For Curb Base, Add* | *377.42* | |
| 07 72 23 00-0043 | EA | 16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator | 586.11 | 84.08 |
| | | *For Backdraft Damper, Add* | *322.54* | |
| | | *For Curb Base, Add* | *438.07* | |
| 07 72 23 00-0044 | EA | 24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator | 1,596.80 | 114.65 |
| | | *For Backdraft Damper, Add* | *404.85* | |
| | | *For Curb Base, Add* | *576.14* | |
| 07 72 23 00-0045 | EA | 30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator | 1,952.80 | 132.48 |
| | | *For Backdraft Damper, Add* | *478.25* | |
| | | *For Curb Base, Add* | *689.48* | |
| 07 72 23 00-0046 | EA | 36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator | 2,671.08 | 152.86 |
| | | *For Backdraft Damper, Add* | *478.25* | |
| | | *For Curb Base, Add* | *714.79* | |
| 07 72 23 00-0047 | EA | 42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator | 3,772.87 | 165.60 |
| | | *For Backdraft Damper, Add* | *500.50* | |
| | | *For Curb Base, Add* | *739.51* | |
| 07 72 23 00-0048 | EA | 48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator | 5,450.80 | 178.34 |
| | | *For Backdraft Damper, Add* | *556.11* | |
| | | *For Curb Base, Add* | *833.19* | |

## 07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 23 00-0050 | EA | 8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator | 671.67 | 63.69 |
| 07 72 23 00-0051 | EA | 12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator | 783.02 | 84.08 |
| 07 72 23 00-0052 | EA | 16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator | 1,130.73 | 114.65 |
| 07 72 23 00-0053 | EA | 24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator | 1,778.29 | 132.48 |

## 07 72 26 Ridge Vents *(07 72)*

### 07 72 26 00-0001 Aluminum Ridge Vents *(07 72 26)*

| | | | | |
|---|---|---|---|---|
| 07 72 26 00-0002 | LF | Aluminum Ridge Vent Strips | 15.82 | 3.70 |
| 07 72 26 00-0003 | EA | Aluminum Ridge Univent Connectors | 59.31 | 22.97 |
| 07 72 26 00-0004 | EA | Aluminum Ridge Univent End Cap | 54.71 | 22.97 |

### 07 72 26 00-0005 Galvanized Ridge Vents *(07 72 26)*

| | | | | |
|---|---|---|---|---|
| 07 72 26 00-0006 | LF | Galvanized Sheet Metal Ridge Vent Strips | 14.43 | 3.95 |

## 07 72 29 Rafter Vent *(07 72)*

### 07 72 29 00-0001 Rafter Vent *(07 72 29)*

Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.

| | | | | |
|---|---|---|---|---|
| 07 72 29 00-0002 | EA | 22" x 4' Rafter Vent | 11.01 | |
| 07 72 29 00-0003 | EA | 14" x 4' Rafter Vent | 9.90 | |

## 07 72 33 Roof Hatches *(07 72)*

Note: Includes curb with integral insulation, lockable hatch and gaskets.

### 07 72 33 00-0001 Galvanized Steel Cover And Curb *(07 72 33)*

| | | | | |
|---|---|---|---|---|
| 07 72 33 00-0002 | EA | 2'-6" x 3'-0" Galvanized Steel Roof Hatch | 1,495.55 | 165.36 |
| 07 72 33 00-0003 | EA | 2'-6" x 4'-6" Galvanized Steel Roof Hatch | 2,208.44 | 183.73 |
| 07 72 33 00-0004 | EA | 2'-6" x 8'-0" Galvanized Steel Roof Hatch | 3,917.04 | 250.57 |
| 07 72 33 00-0005 | EA | 3'-0" x 3'-0" Galvanized Steel Roof Hatch | 2,179.13 | 183.73 |
| 07 72 33 00-0006 | EA | 4'-0" x 4'-0" Galvanized Steel Roof Hatch | 2,460.03 | 204.17 |
| 07 72 33 00-0007 | EA | 3'-0" x 8'-0" Galvanized Steel Roof Hatch | 4,048.77 | 278.46 |

### 07 72 33 00-0008 Aluminum Cover And Curb *(07 72 33)*

| | | | | |
|---|---|---|---|---|
| 07 72 33 00-0009 | EA | 2'-6" x 3'-0" Aluminum Roof Hatch | 1,247.58 | 165.36 |
| 07 72 33 00-0010 | EA | 2'-6" x 4'-6" Aluminum Roof Hatch | 1,614.66 | 183.73 |
| 07 72 33 00-0011 | EA | 2'-6" x 8'-0" Aluminum Roof Hatch | 2,916.39 | 250.57 |
| 07 72 33 00-0012 | EA | 3'-0" x 3'-0" Aluminum Roof Hatch | 1,577.77 | 183.73 |
| 07 72 33 00-0013 | EA | 4'-0" x 4'-0" Aluminum Roof Hatch | 2,787.08 | 204.17 |
| 07 72 33 00-0014 | EA | 3'-0" x 8'-0" Aluminum Roof Hatch | 3,072.27 | 278.46 |
| 07 72 33 00-0015 | EA | 3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight | 1,763.51 | 183.73 |

### 07 72 33 00-0016 Steel, Plain, Primed *(07 72 33)*

| | | | | |
|---|---|---|---|---|
| 07 72 33 00-0017 | EA | 2'-6" x 3'-0" Plain Steel Roof Hatch Primed | 1,432.55 | 165.36 |
| 07 72 33 00-0018 | EA | 2'-6" x 4'-6" Plain Steel Roof Hatch Primed | 1,946.75 | 183.73 |
| 07 72 33 00-0019 | EA | 2'-6" x 8'-0" Plain Steel Roof Hatch Primed | 2,667.21 | 250.57 |
| 07 72 33 00-0020 | EA | 3'-0" x 3'-0" Plain Steel Roof Hatch Primed | 1,807.10 | 183.73 |
| 07 72 33 00-0021 | EA | 4'-0" x 4'-0" Plain Steel Roof Hatch Primed | 2,220.01 | 204.17 |
| 07 72 33 00-0022 | EA | 3'-0" x 8'-0" Plain Steel Roof Hatch Primed | 3,016.68 | 278.46 |

### 07 72 33 00-0023 Stainless Steel *(07 72 33)*

| | | | | |
|---|---|---|---|---|
| 07 72 33 00-0024 | EA | 2'-6" x 3'-0" Stainless Steel Roof Hatch | 3,059.85 | 165.36 |
| 07 72 33 00-0025 | EA | 2'-6" x 4'-6" Stainless Steel Roof Hatch | 5,863.69 | 183.73 |
| 07 72 33 00-0026 | EA | 2'-6" x 8'-0" Stainless Steel Roof Hatch | 8,819.30 | 250.57 |
| 07 72 33 00-0027 | EA | 3'-0" x 3'-0" Stainless Steel Roof Hatch | 4,704.46 | 183.73 |
| 07 72 33 00-0028 | EA | 4'-0" x 4'-0" Stainless Steel Roof Hatch | 9,953.56 | 204.17 |
| 07 72 33 00-0029 | EA | 3'-0" x 8'-0" Stainless Steel Roof Hatch | 11,145.59 | 278.46 |

### 07 72 33 00-0030 Removal And Reinstallation Of Roof Hatch *(07 72 33)*

Note: Includes storage, cleaning and supply materials.

| | | | | |
|---|---|---|---|---|
| 07 72 33 00-0031 | EA | Removal And Reinstallation Of Roof Hatch (All Types) | 508.62 | |

### 07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb *(07 72 33)*

| | | | | |
|---|---|---|---|---|
| 07 72 33 00-0033 | EA | Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof | 1,209.64 | 183.73 |
| 07 72 33 00-0034 | EA | Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof | 1,576.73 | 204.17 |
| 07 72 33 00-0035 | EA | Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof | 2,817.76 | 278.35 |
| 07 72 33 00-0036 | EA | Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof | 1,547.42 | 189.48 |
| 07 72 33 00-0037 | EA | Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof | 2,703.62 | 209.91 |

### 07 72 33 00-0038 Roof Hatch Safety Railing *(07 72 33)*

Note: Included mounting bracket to attach to roof hatch

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 33 00-0039 | EA | 24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate | 2,092.54 | |
| 07 72 33 00-0040 | EA | 24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate | 2,172.21 | |
| 07 72 33 00-0041 | EA | 30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate | 2,227.03 | |
| 07 72 33 00-0042 | EA | 30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate | 2,423.91 | |
| 07 72 33 00-0043 | EA | 36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate | 2,651.10 | |
| 07 72 33 00-0044 | EA | 48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate | 3,392.60 | |
| 07 72 33 00-0045 | | Roof Hatch Accessories *(07 72 33)* | | |
| 07 72 33 00-0046 | EA | Enamel Steel, Roof Hatch Ladderup Safety Post | 938.02 | 86.12 |
| **07 72 36** | | **Smoke Vents** *(07 72)* | | |
| 07 72 36 00-0001 | | Fire Vent *(07 72 36)* | | |
| 07 72 36 00-0002 | | Galvanized Steel Covers And Curb *(07 72 36 00-0001)* | | |
| 07 72 36 00-0003 | EA | 4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent | 3,973.98 | 153.19 |
| 07 72 36 00-0004 | EA | 4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent | 4,564.14 | 210.61 |
| 07 72 36 00-0005 | EA | 4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent | 5,204.91 | 229.78 |
| 07 72 36 00-0006 | EA | 4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent | 5,306.14 | 241.26 |
| 07 72 36 00-0007 | EA | 5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent | 6,172.28 | 210.61 |
| 07 72 36 00-0008 | EA | 5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent | 6,561.03 | 229.78 |
| 07 72 36 00-0009 | EA | 5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent | 6,925.74 | 248.95 |
| 07 72 36 00-0010 | EA | 5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent | 7,890.52 | 268.14 |
| 07 72 36 00-0011 | EA | 5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent | 9,803.38 | 287.20 |
| 07 72 36 00-0012 | EA | 5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent | 6,553.71 | 248.95 |
| 07 72 36 00-0013 | EA | 5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent | 13,840.45 | 306.37 |
| 07 72 36 00-0014 | EA | 6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent | 7,544.61 | 325.55 |
| 07 72 36 00-0015 | | Aluminum Covers And Galvanized Steel Curb *(07 72 36 00-0001)* | | |
| 07 72 36 00-0016 | EA | 4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent | 2,687.94 | 153.19 |
| 07 72 36 00-0017 | EA | 4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent | 3,085.14 | 210.61 |
| 07 72 36 00-0018 | EA | 4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent | 3,470.46 | 229.78 |
| 07 72 36 00-0019 | EA | 4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent | 3,593.90 | 241.26 |
| 07 72 36 00-0020 | EA | 5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent | 3,487.26 | 210.61 |
| 07 72 36 00-0021 | EA | 5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent | 4,449.21 | 229.78 |
| 07 72 36 00-0022 | EA | 5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent | 4,758.62 | 248.95 |
| 07 72 36 00-0023 | EA | 5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent | 4,635.59 | 268.14 |
| 07 72 36 00-0024 | EA | 5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent | 6,500.40 | 287.20 |
| 07 72 36 00-0025 | EA | 5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent | 4,493.07 | 248.95 |
| 07 72 36 00-0026 | EA | 5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent | 8,516.99 | 306.37 |
| 07 72 36 00-0027 | EA | 6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent | 4,418.22 | 325.55 |
| 07 72 36 00-0028 | | Aluminum Covers And Curb *(07 72 36 00-0001)* | | |
| 07 72 36 00-0029 | EA | 4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent | 2,930.73 | 153.19 |
| 07 72 36 00-0030 | EA | 4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent | 3,487.26 | 210.61 |
| 07 72 36 00-0031 | EA | 4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent | 3,827.06 | 229.78 |
| 07 72 36 00-0032 | EA | 4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent | 4,049.13 | 241.26 |
| 07 72 36 00-0033 | EA | 5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent | 3,669.35 | 210.61 |
| 07 72 36 00-0034 | EA | 5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent | 4,638.89 | 229.78 |
| 07 72 36 00-0035 | EA | 5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent | 4,925.54 | 248.95 |
| 07 72 36 00-0036 | EA | 5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent | 5,090.82 | 268.14 |
| 07 72 36 00-0037 | EA | 5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent | 6,174.15 | 287.20 |
| 07 72 36 00-0038 | EA | 5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent | 4,705.51 | 248.95 |
| 07 72 36 00-0039 | EA | 5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent | 9,298.48 | 306.37 |
| 07 72 36 00-0040 | EA | 6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent | 4,873.45 | 325.55 |
| 07 72 36 00-0041 | | Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb *(07 72 36)* | | |
| 07 72 36 00-0042 | EA | 4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent | 2,900.38 | 152.72 |
| 07 72 36 00-0043 | EA | 4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent | 3,676.94 | 210.61 |
| 07 72 36 00-0044 | EA | 4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent | 3,889.79 | 241.26 |
| 07 72 36 00-0045 | EA | 5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent | 4,170.12 | 210.61 |
| 07 72 36 00-0046 | EA | 5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent | 4,407.98 | 268.14 |
| **07 72 38** | | **Roof Dormers** *(07 72)* | | |
| **07 72 38 13** | | **Roof Dormer Vent** *(07 72 38)* | | |
| 07 72 38 13-0001 | | Copper Roof Dormer Vent *(07 72 38 13)* | | |
| | | Note: Includes insect screen on the inside of the louvers and fabricated with sturdy wooden framing. | | |
| 07 72 38 13-0002 | | Half Round Copper Roof Dormer Vent *(07 72 38 13-0001)* | | |
| 07 72 38 13-0003 | EA | 18" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope | 456.57 | 72.74 |
| 07 72 38 13-0004 | EA | 18" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope | 571.33 | 72.74 |
| 07 72 38 13-0005 | EA | 18" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope | 701.49 | 72.74 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 38 13-0006 | EA | 18" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope | 799.11 | 72.74 |
| 07 72 38 13-0007 | EA | 18" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope | 915.58 | 72.74 |
| 07 72 38 13-0008 | EA | 18" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope | 1,028.62 | 72.74 |
| 07 72 38 13-0009 | EA | 18" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope | 1,143.37 | 72.74 |
| 07 72 38 13-0010 | EA | 18" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope | 1,258.12 | 72.74 |
| 07 72 38 13-0011 | EA | 18" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope | 1,372.87 | 72.74 |
| 07 72 38 13-0012 | EA | 18" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope | 1,485.91 | 72.74 |
| 07 72 38 13-0013 | EA | 18" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope | 1,600.66 | 72.74 |
| 07 72 38 13-0014 | EA | 18" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope | 1,715.41 | 72.74 |
| 07 72 38 13-0015 | EA | 18" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope | 826.52 | 72.74 |
| 07 72 38 13-0016 | EA | 18" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope | 941.27 | 72.74 |
| 07 72 38 13-0017 | EA | 18" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope | 1,071.43 | 72.74 |
| 07 72 38 13-0018 | EA | 18" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope | 1,169.06 | 72.74 |
| 07 72 38 13-0019 | EA | 18" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope | 1,285.52 | 72.74 |
| 07 72 38 13-0020 | EA | 18" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope | 1,398.56 | 72.74 |
| 07 72 38 13-0021 | EA | 18" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope | 1,513.31 | 72.74 |
| 07 72 38 13-0022 | EA | 18" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope | 1,628.06 | 72.74 |
| 07 72 38 13-0023 | EA | 18" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope | 1,742.81 | 72.74 |
| 07 72 38 13-0024 | EA | 18" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope | 1,855.85 | 72.74 |
| 07 72 38 13-0025 | EA | 18" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope | 1,970.60 | 72.74 |
| 07 72 38 13-0026 | EA | 18" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope | 2,085.35 | 72.74 |
| 07 72 38 13-0027 | EA | 24" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope | 539.25 | 88.06 |
| 07 72 38 13-0028 | EA | 24" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope | 654.00 | 88.06 |
| 07 72 38 13-0029 | EA | 24" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope | 784.17 | 88.06 |
| 07 72 38 13-0030 | EA | 24" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope | 881.79 | 88.06 |
| 07 72 38 13-0031 | EA | 24" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope | 998.26 | 88.06 |
| 07 72 38 13-0032 | EA | 24" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope | 1,111.30 | 88.06 |
| 07 72 38 13-0033 | EA | 24" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope | 1,226.05 | 88.06 |
| 07 72 38 13-0034 | EA | 24" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope | 1,340.80 | 88.06 |
| 07 72 38 13-0035 | EA | 24" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope | 1,455.55 | 88.06 |
| 07 72 38 13-0036 | EA | 24" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope | 1,568.59 | 88.06 |
| 07 72 38 13-0037 | EA | 24" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope | 1,683.34 | 88.06 |
| 07 72 38 13-0038 | EA | 24" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope | 1,798.09 | 88.06 |
| 07 72 38 13-0039 | EA | 24" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope | 909.20 | 88.06 |
| 07 72 38 13-0040 | EA | 24" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope | 1,023.95 | 88.06 |
| 07 72 38 13-0041 | EA | 24" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope | 1,154.11 | 88.06 |
| 07 72 38 13-0042 | EA | 24" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope | 1,251.74 | 88.06 |
| 07 72 38 13-0043 | EA | 24" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope | 1,368.20 | 88.06 |
| 07 72 38 13-0044 | EA | 24" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope | 1,481.24 | 88.06 |
| 07 72 38 13-0045 | EA | 24" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope | 1,595.99 | 88.06 |
| 07 72 38 13-0046 | EA | 24" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope | 1,710.74 | 88.06 |
| 07 72 38 13-0047 | EA | 24" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope | 1,825.49 | 88.06 |
| 07 72 38 13-0048 | EA | 24" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope | 1,938.53 | 88.06 |
| 07 72 38 13-0049 | EA | 24" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope | 2,053.28 | 88.06 |
| 07 72 38 13-0050 | EA | 24" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope | 2,168.03 | 88.06 |
| 07 72 38 13-0051 | EA | 30" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope | 627.60 | 98.26 |
| 07 72 38 13-0052 | EA | 30" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope | 742.35 | 98.26 |
| 07 72 38 13-0053 | EA | 30" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope | 872.51 | 98.26 |
| 07 72 38 13-0054 | EA | 30" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope | 970.14 | 98.26 |
| 07 72 38 13-0055 | EA | 30" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope | 1,086.60 | 98.26 |
| 07 72 38 13-0056 | EA | 30" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope | 1,199.64 | 98.26 |
| 07 72 38 13-0057 | EA | 30" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope | 1,314.39 | 98.26 |
| 07 72 38 13-0058 | EA | 30" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope | 1,429.14 | 98.26 |
| 07 72 38 13-0059 | EA | 30" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope | 1,543.89 | 98.26 |
| 07 72 38 13-0060 | EA | 30" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope | 1,656.93 | 98.26 |
| 07 72 38 13-0061 | EA | 30" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope | 1,771.68 | 98.26 |
| 07 72 38 13-0062 | EA | 30" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope | 1,886.43 | 98.26 |
| 07 72 38 13-0063 | EA | 30" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope | 997.54 | 98.26 |
| 07 72 38 13-0064 | EA | 30" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope | 1,112.29 | 98.26 |
| 07 72 38 13-0065 | EA | 30" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope | 1,242.46 | 98.26 |
| 07 72 38 13-0066 | EA | 30" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope | 1,340.08 | 98.26 |
| 07 72 38 13-0067 | EA | 30" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope | 1,456.55 | 98.26 |
| 07 72 38 13-0068 | EA | 30" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope | 1,569.58 | 98.26 |
| 07 72 38 13-0069 | EA | 30" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope | 1,684.33 | 98.26 |
| 07 72 38 13-0070 | EA | 30" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope | 1,799.09 | 98.26 |
| 07 72 38 13-0071 | EA | 30" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope | 1,913.84 | 98.26 |
| 07 72 38 13-0072 | EA | 30" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope | 2,026.87 | 98.26 |
| 07 72 38 13-0073 | EA | 30" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope | 2,141.63 | 98.26 |
| 07 72 38 13-0074 | EA | 30" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope | 2,256.38 | 98.26 |
| 07 72 38 13-0075 | EA | 36" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope | 732.41 | 112.30 |
| 07 72 38 13-0076 | EA | 36" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope | 847.16 | 112.30 |
| 07 72 38 13-0077 | EA | 36" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope | 977.33 | 112.30 |
| 07 72 38 13-0078 | EA | 36" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope | 1,074.95 | 112.30 |
| 07 72 38 13-0079 | EA | 36" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope | 1,191.41 | 112.30 |
| 07 72 38 13-0080 | EA | 36" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope | 1,304.45 | 112.30 |
| 07 72 38 13-0081 | EA | 36" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope | 1,419.20 | 112.30 |
| 07 72 38 13-0082 | EA | 36" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope | 1,533.95 | 112.30 |
| 07 72 38 13-0083 | EA | 36" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope | 1,648.70 | 112.30 |
| 07 72 38 13-0084 | EA | 36" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope | 1,761.74 | 112.30 |
| 07 72 38 13-0085 | EA | 36" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope | 1,876.49 | 112.30 |
| 07 72 38 13-0086 | EA | 36" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope | 1,991.24 | 112.30 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 38 13-0087 | EA | 36" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope | 1,102.35 | 112.30 |
| 07 72 38 13-0088 | EA | 36" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope | 1,217.10 | 112.30 |
| 07 72 38 13-0089 | EA | 36" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope | 1,347.27 | 112.30 |
| 07 72 38 13-0090 | EA | 36" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope | 1,444.89 | 112.30 |
| 07 72 38 13-0091 | EA | 36" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope | 1,561.36 | 112.30 |
| 07 72 38 13-0092 | EA | 36" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope | 1,674.40 | 112.30 |
| 07 72 38 13-0093 | EA | 36" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope | 1,789.15 | 112.30 |
| 07 72 38 13-0094 | EA | 36" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope | 1,903.90 | 112.30 |
| 07 72 38 13-0095 | EA | 36" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope | 2,018.65 | 112.30 |
| 07 72 38 13-0096 | EA | 36" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope | 2,131.69 | 112.30 |
| 07 72 38 13-0097 | EA | 36" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope | 2,246.44 | 112.30 |
| 07 72 38 13-0098 | EA | 36" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope | 2,361.19 | 112.30 |
| 07 72 38 13-0099 | EA | 42" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope | 1,040.05 | 125.06 |
| 07 72 38 13-0100 | EA | 42" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope | 1,154.80 | 125.06 |
| 07 72 38 13-0101 | EA | 42" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope | 1,284.96 | 125.06 |
| 07 72 38 13-0102 | EA | 42" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope | 1,382.59 | 125.06 |
| 07 72 38 13-0103 | EA | 42" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope | 1,499.05 | 125.06 |
| 07 72 38 13-0104 | EA | 42" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope | 1,612.09 | 125.06 |
| 07 72 38 13-0105 | EA | 42" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope | 1,726.84 | 125.06 |
| 07 72 38 13-0106 | EA | 42" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope | 1,841.59 | 125.06 |
| 07 72 38 13-0107 | EA | 42" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope | 1,956.34 | 125.06 |
| 07 72 38 13-0108 | EA | 42" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope | 2,069.38 | 125.06 |
| 07 72 38 13-0109 | EA | 42" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope | 2,184.13 | 125.06 |
| 07 72 38 13-0110 | EA | 42" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope | 2,298.88 | 125.06 |
| 07 72 38 13-0111 | EA | 42" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope | 1,409.99 | 125.06 |
| 07 72 38 13-0112 | EA | 42" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope | 1,524.74 | 125.06 |
| 07 72 38 13-0113 | EA | 42" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope | 1,654.91 | 125.06 |
| 07 72 38 13-0114 | EA | 42" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope | 1,752.53 | 125.06 |
| 07 72 38 13-0115 | EA | 42" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope | 1,868.99 | 125.06 |
| 07 72 38 13-0116 | EA | 42" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope | 1,982.03 | 125.06 |
| 07 72 38 13-0117 | EA | 42" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope | 2,096.78 | 125.06 |
| 07 72 38 13-0118 | EA | 42" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope | 2,211.53 | 125.06 |
| 07 72 38 13-0119 | EA | 42" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope | 2,326.29 | 125.06 |
| 07 72 38 13-0120 | EA | 42" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope | 2,439.32 | 125.06 |
| 07 72 38 13-0121 | EA | 42" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope | 2,554.07 | 125.06 |
| 07 72 38 13-0122 | EA | 42" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope | 2,668.83 | 125.06 |
| 07 72 38 13-0123 | EA | 48" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope | 1,406.99 | 125.06 |
| 07 72 38 13-0124 | EA | 48" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope | 1,538.33 | 135.27 |
| 07 72 38 13-0125 | EA | 48" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope | 1,668.50 | 135.27 |
| 07 72 38 13-0126 | EA | 48" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope | 1,766.12 | 135.27 |
| 07 72 38 13-0127 | EA | 48" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope | 1,882.59 | 135.27 |
| 07 72 38 13-0128 | EA | 48" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope | 1,995.63 | 135.27 |
| 07 72 38 13-0129 | EA | 48" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope | 2,110.38 | 135.27 |
| 07 72 38 13-0130 | EA | 48" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope | 2,225.13 | 135.27 |
| 07 72 38 13-0131 | EA | 48" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope | 2,339.88 | 135.27 |
| 07 72 38 13-0132 | EA | 48" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope | 2,452.92 | 135.27 |
| 07 72 38 13-0133 | EA | 48" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope | 2,567.67 | 135.27 |
| 07 72 38 13-0134 | EA | 48" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope | 2,682.42 | 135.27 |
| 07 72 38 13-0135 | EA | 48" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope | 1,793.53 | 135.27 |
| 07 72 38 13-0136 | EA | 48" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope | 1,908.28 | 135.27 |
| 07 72 38 13-0137 | EA | 48" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope | 2,038.44 | 135.27 |
| 07 72 38 13-0138 | EA | 48" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope | 2,136.07 | 135.27 |
| 07 72 38 13-0139 | EA | 48" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope | 2,252.53 | 135.27 |
| 07 72 38 13-0140 | EA | 48" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope | 2,365.57 | 135.27 |
| 07 72 38 13-0141 | EA | 48" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope | 2,480.32 | 135.27 |
| 07 72 38 13-0142 | EA | 48" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope | 2,595.07 | 135.27 |
| 07 72 38 13-0143 | EA | 48" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope | 2,709.82 | 135.27 |
| 07 72 38 13-0144 | EA | 48" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope | 2,822.86 | 135.27 |
| 07 72 38 13-0145 | EA | 48" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope | 2,937.61 | 135.27 |
| 07 72 38 13-0146 | EA | 48" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope | 3,052.36 | 135.27 |

## 07 72 38 13-0147 Third Round Copper Roof Dormer Vent *(07 72 38 13-0001)*

| | | | | |
|---|---|---|---|---|
| 07 72 38 13-0148 | EA | 36" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope | 687.90 | 112.30 |
| 07 72 38 13-0149 | EA | 36" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope | 802.65 | 112.30 |
| 07 72 38 13-0150 | EA | 36" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope | 932.81 | 112.30 |
| 07 72 38 13-0151 | EA | 36" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope | 1,030.44 | 112.30 |
| 07 72 38 13-0152 | EA | 36" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope | 1,146.90 | 112.30 |
| 07 72 38 13-0153 | EA | 36" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope | 1,259.94 | 112.30 |
| 07 72 38 13-0154 | EA | 36" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope | 1,374.69 | 112.30 |
| 07 72 38 13-0155 | EA | 36" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope | 1,489.44 | 112.30 |
| 07 72 38 13-0156 | EA | 36" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope | 1,604.19 | 112.30 |
| 07 72 38 13-0157 | EA | 36" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope | 1,717.23 | 112.30 |
| 07 72 38 13-0158 | EA | 36" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope | 1,831.98 | 112.30 |
| 07 72 38 13-0159 | EA | 36" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope | 1,946.73 | 112.30 |
| 07 72 38 13-0160 | EA | 36" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope | 903.70 | 112.30 |
| 07 72 38 13-0161 | EA | 36" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope | 1,018.45 | 112.30 |
| 07 72 38 13-0162 | EA | 36" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope | 1,148.61 | 112.30 |
| 07 72 38 13-0163 | EA | 36" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope | 1,246.24 | 112.30 |
| 07 72 38 13-0164 | EA | 36" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope | 1,362.70 | 112.30 |
| 07 72 38 13-0165 | EA | 36" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope | 1,475.74 | 112.30 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 38 13-0166 | EA | 36" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope | 1,590.49 | 112.30 |
| 07 72 38 13-0167 | EA | 36" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope | 1,705.24 | 112.30 |
| 07 72 38 13-0168 | EA | 36" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope | 1,819.99 | 112.30 |
| 07 72 38 13-0169 | EA | 36" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope | 1,933.03 | 112.30 |
| 07 72 38 13-0170 | EA | 36" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope | 2,047.78 | 112.30 |
| 07 72 38 13-0171 | EA | 36" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope | 2,162.53 | 112.30 |
| 07 72 38 13-0172 | EA | 42" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope | 783.42 | 125.06 |
| 07 72 38 13-0173 | EA | 42" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope | 898.17 | 125.06 |
| 07 72 38 13-0174 | EA | 42" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope | 1,028.33 | 125.06 |
| 07 72 38 13-0175 | EA | 42" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope | 1,125.96 | 125.06 |
| 07 72 38 13-0176 | EA | 42" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope | 1,242.42 | 125.06 |
| 07 72 38 13-0177 | EA | 42" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope | 1,355.46 | 125.06 |
| 07 72 38 13-0178 | EA | 42" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope | 1,470.21 | 125.06 |
| 07 72 38 13-0179 | EA | 42" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope | 1,584.96 | 125.06 |
| 07 72 38 13-0180 | EA | 42" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope | 1,699.71 | 125.06 |
| 07 72 38 13-0181 | EA | 42" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope | 1,812.75 | 125.06 |
| 07 72 38 13-0182 | EA | 42" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope | 1,927.50 | 125.06 |
| 07 72 38 13-0183 | EA | 42" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope | 2,042.25 | 125.06 |
| 07 72 38 13-0184 | EA | 42" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope | 999.22 | 125.06 |
| 07 72 38 13-0185 | EA | 42" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope | 1,113.97 | 125.06 |
| 07 72 38 13-0186 | EA | 42" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope | 1,244.13 | 125.06 |
| 07 72 38 13-0187 | EA | 42" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope | 1,341.76 | 125.06 |
| 07 72 38 13-0188 | EA | 42" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope | 1,458.22 | 125.06 |
| 07 72 38 13-0189 | EA | 42" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope | 1,571.26 | 125.06 |
| 07 72 38 13-0190 | EA | 42" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope | 1,686.01 | 125.06 |
| 07 72 38 13-0191 | EA | 42" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope | 1,800.76 | 125.06 |
| 07 72 38 13-0192 | EA | 42" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope | 1,915.51 | 125.06 |
| 07 72 38 13-0193 | EA | 42" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope | 2,028.55 | 125.06 |
| 07 72 38 13-0194 | EA | 42" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope | 2,143.30 | 125.06 |
| 07 72 38 13-0195 | EA | 42" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope | 2,258.05 | 125.06 |
| 07 72 38 13-0196 | EA | 48" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope | 1,000.23 | 125.06 |
| 07 72 38 13-0197 | EA | 48" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope | 1,131.57 | 135.27 |
| 07 72 38 13-0198 | EA | 48" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope | 1,261.73 | 135.27 |
| 07 72 38 13-0199 | EA | 48" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope | 1,359.36 | 135.27 |
| 07 72 38 13-0200 | EA | 48" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope | 1,475.82 | 135.27 |
| 07 72 38 13-0201 | EA | 48" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope | 1,588.86 | 135.27 |
| 07 72 38 13-0202 | EA | 48" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope | 1,703.61 | 135.27 |
| 07 72 38 13-0203 | EA | 48" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope | 1,818.36 | 135.27 |
| 07 72 38 13-0204 | EA | 48" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope | 1,933.11 | 135.27 |
| 07 72 38 13-0205 | EA | 48" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope | 2,046.15 | 135.27 |
| 07 72 38 13-0206 | EA | 48" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope | 2,160.90 | 135.27 |
| 07 72 38 13-0207 | EA | 48" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope | 2,275.65 | 135.27 |
| 07 72 38 13-0208 | EA | 48" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope | 1,232.62 | 135.27 |
| 07 72 38 13-0209 | EA | 48" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope | 1,347.37 | 135.27 |
| 07 72 38 13-0210 | EA | 48" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope | 1,477.53 | 135.27 |
| 07 72 38 13-0211 | EA | 48" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope | 1,575.16 | 135.27 |
| 07 72 38 13-0212 | EA | 48" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope | 1,691.62 | 135.27 |
| 07 72 38 13-0213 | EA | 48" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope | 1,804.66 | 135.27 |
| 07 72 38 13-0214 | EA | 48" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope | 1,919.41 | 135.27 |
| 07 72 38 13-0215 | EA | 48" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope | 2,034.16 | 135.27 |
| 07 72 38 13-0216 | EA | 48" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope | 2,148.91 | 135.27 |
| 07 72 38 13-0217 | EA | 48" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope | 2,261.95 | 135.27 |
| 07 72 38 13-0218 | EA | 48" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope | 2,376.70 | 135.27 |
| 07 72 38 13-0219 | EA | 48" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope | 2,491.45 | 135.27 |

## 07 72 46 Roof Walkways *(07 72)*

### 07 72 46 00-0001 Recycled Rubber Walkway Pads *(07 72 46)*

| | | | | |
|---|---|---|---|---|
| 07 72 46 00-0002 | SF | 3/8" Thick, Button Surface, Recycled Rubber Walkway Pad | 13.11 | 3.13 |
| | | *For Diamond Surface, Add* | *1.16* | |
| 07 72 46 00-0003 | SF | 1/2" Thick, Button Surface, Recycled Rubber Walkway Pad | 14.60 | 3.75 |
| | | *For Diamond Surface, Add* | *1.35* | |
| 07 72 46 00-0004 | SF | 3/4" Thick, Button Surface, Recycled Rubber Walkway Pad | 16.11 | 3.75 |
| | | *For Diamond Surface, Add* | *1.51* | |

## 07 72 63 Waste Containment Assemblies *(07 72)*

### 07 72 63 00-0001 Rooftop Oil And Grease Containment System *(07 72 63)*

### 07 72 63 00-0002 Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) *(07 72 63 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 72 63 00-0003 | EA | 48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E) | 3,252.12 | 259.48 |
| 07 72 63 00-0004 | EA | 60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E) | 3,630.90 | 259.48 |
| 07 72 63 00-0005 | EA | 60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E) | 4,448.16 | 269.86 |
| 07 72 63 00-0006 | EA | 72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E) | 4,426.51 | 269.86 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 63 00-0007 | EA | 72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E) | 5,774.18 | 291.92 |
| 07 72 63 00-0008 | EA | 72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E) | 4,513.03 | 291.92 |
| 07 72 63 00-0009 | EA | 90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E) | 5,032.45 | 345.89 |
| 07 72 63 00-0010 | EA | 108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E) | 7,402.86 | 432.43 |
| 07 72 63 00-0011 | EA | 120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E) | 9,178.20 | 432.43 |
| 07 72 63 00-0012 | EA | 144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E) | 11,613.89 | 432.43 |

### 07 72 63 00-0013 Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) *(07 72 63 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 72 63 00-0014 | EA | 48" Length, 48" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100) | 3,993.54 | 259.48 |
| 07 72 63 00-0015 | EA | 60" Length, 60" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101) | 4,486.11 | 259.48 |
| 07 72 63 00-0016 | EA | 60" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106) | 5,536.11 | 269.86 |
| 07 72 63 00-0017 | EA | 72" Length, 72" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102) | 5,633.56 | 269.86 |
| 07 72 63 00-0018 | EA | 72" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103) | 8,031.26 | 291.92 |
| 07 72 63 00-0019 | EA | 72" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111) | 8,805.27 | 291.92 |
| 07 72 63 00-0020 | EA | 90" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105) | 8,193.44 | 345.89 |
| 07 72 63 00-0021 | EA | 108" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112) | 9,232.33 | 432.43 |
| 07 72 63 00-0022 | EA | 120" Length, 120" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107) | 11,543.52 | 432.43 |
| 07 72 63 00-0023 | EA | 144" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113) | 14,709.91 | 432.43 |

### 07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63)*

Note: Includes removing old filters and installing new filters.

### 07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*

### 07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0025)*

| | | | |
|---|---|---|---|
| 07 72 63 00-0027 | SET | 48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E) | 267.33 |
| 07 72 63 00-0028 | SET | 60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E) | 375.59 |
| 07 72 63 00-0029 | SET | 60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E) | 537.95 |
| 07 72 63 00-0030 | SET | 72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E) | 496.80 |
| 07 72 63 00-0031 | SET | 72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E) | 929.82 |
| 07 72 63 00-0032 | SET | 72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E) | 940.63 |
| 07 72 63 00-0033 | SET | 90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E) | 726.29 |
| 07 72 63 00-0034 | SET | 108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E) | 942.80 |
| 07 72 63 00-0035 | SET | 120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E) | 1,381.22 |
| 07 72 63 00-0036 | SET | 144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E) | 1,819.65 |

### 07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*

### 07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

| | | | |
|---|---|---|---|
| 07 72 63 00-0039 | SET | 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC) | 557.41 |
| 07 72 63 00-0040 | SET | 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC) | 741.45 |
| 07 72 63 00-0041 | SET | 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC) | 1,077.04 |
| 07 72 63 00-0042 | SET | 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC) | 1,003.40 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 72 63 00-0043 | SET | 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC) | 1,928.96 | |
| 07 72 63 00-0044 | SET | 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC) | 1,939.78 | |
| 07 72 63 00-0045 | SET | 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC) | 1,438.56 | |
| 07 72 63 00-0046 | SET | 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC) | 1,941.94 | |
| 07 72 63 00-0047 | SET | 120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC) | 2,845.85 | |
| 07 72 63 00-0048 | SET | 144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC) | 3,787.65 | |

### 07 72 63 00-0049 Heavy-Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

| | | | | |
|---|---|---|---|---|
| 07 72 63 00-0050 | SET | 48" Length, 48" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C) | 692.74 | |
| 07 72 63 00-0051 | SET | 60" Length, 60" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C) | 860.54 | |
| 07 72 63 00-0052 | SET | 60" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C) | 1,261.06 | |
| 07 72 63 00-0053 | SET | 72" Length, 72" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C) | 1,192.85 | |
| 07 72 63 00-0054 | SET | 72" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C) | 2,324.08 | |
| 07 72 63 00-0055 | SET | 72" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C) | 2,313.26 | |
| 07 72 63 00-0056 | SET | 90" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C) | 1,687.56 | |
| 07 72 63 00-0057 | SET | 108" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C) | 2,337.06 | |
| 07 72 63 00-0058 | SET | 120" Length, 120" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C) | 3,278.86 | |
| 07 72 63 00-0059 | SET | 144" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C) | 4,561.67 | |

## 07 73 Roof Protection Board *(07 70)*

### 07 73 00 00-0001 Roof Protection Board *(07 73)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

### 07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 73 00 00-0003 | SF | 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®) | 4.33 | 0.65 |
| | | *For No Adhesive, Deduct* | *-0.96* | |
| 07 73 00 00-0004 | SF | 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®) | 4.89 | 0.72 |
| | | *For No Adhesive, Deduct* | *-0.99* | |
| 07 73 00 00-0005 | SF | 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®) | 5.16 | 0.78 |
| | | *For No Adhesive, Deduct* | *-1.01* | |
| 07 73 00 00-0006 | SF | 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime) | 4.39 | 0.65 |
| | | *For No Adhesive, Deduct* | *-0.96* | |
| 07 73 00 00-0007 | SF | 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime) | 4.98 | 0.72 |
| | | *For No Adhesive, Deduct* | *-0.99* | |
| 07 73 00 00-0008 | SF | 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime) | 5.25 | 0.78 |
| | | *For No Adhesive, Deduct* | *-1.01* | |

### 07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 73 00 00-0010 | SF | 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®) | 4.16 | 0.65 |
| 07 73 00 00-0011 | SF | 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®) | 4.75 | 0.72 |
| 07 73 00 00-0012 | SF | 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®) | 5.04 | 0.78 |
| 07 73 00 00-0013 | SF | 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime) | 4.22 | 0.65 |
| 07 73 00 00-0014 | SF | 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime) | 4.84 | 0.72 |
| 07 73 00 00-0015 | SF | 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime) | 5.13 | 0.78 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 73 00 00-0016 | | Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)* | | |
| | | Note: Mechanically fastened to wood or steel. | | |
| 07 73 00 00-0017 | SF | 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®) | 4.12 | 0.65 |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.08* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.19* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 73 00 00-0018 | SF | 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®) | 4.68 | 0.72 |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.18* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.29* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 73 00 00-0019 | SF | 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®) | 4.95 | 0.78 |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.25* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.36* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 73 00 00-0020 | SF | 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime) | 4.18 | 0.65 |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.08* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.19* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 73 00 00-0021 | SF | 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime) | 4.77 | 0.72 |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.18* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.29* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |
| 07 73 00 00-0022 | SF | 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime) | 5.04 | 0.78 |
| | | *For Mechanically Fastened To Concrete, Add* | *1.73* | |
| | | *For Mechanically Fastened To Gypsum, Add* | *2.26* | |
| | | *For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add* | *0.77* | |
| | | *For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add* | *3.25* | |
| | | *For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add* | *2.76* | |
| | | *For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add* | *1.15* | |
| | | *For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add* | *4.36* | |
| | | *For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add* | *4.13* | |

## 07 76 Roof Pavers *(07 70)*

### 07 76 16 Roof Decking Pavers *(07 76)*

| | | | | |
|---|---|---|---|---|
| 07 76 16 00-0001 | | Roof Pavers *(07 76 16)* | | |
| | | Note: For walkway application over roofing system. | | |
| 07 76 16 00-0002 | SF | Up To 100 SF, 2" Concrete Roof Paver | 12.93 | 8.13 |
| | | *For 1-1/2" Thickness, Deduct* | *-1.29* | |
| | | *For 2-1/2" Thickness, Add* | *1.41* | |
| | | *For 3" Thickness, Add* | *2.82* | |
| 07 76 16 00-0003 | SF | >100 To 200 SF, 2" Concrete Roof Paver | 11.56 | 6.12 |
| | | *For 1-1/2" Thickness, Deduct* | *-1.16* | |
| | | *For 2-1/2" Thickness, Add* | *1.27* | |
| | | *For 3" Thickness, Add* | *2.53* | |
| 07 76 16 00-0004 | SF | >200 To 400 SF, 2" Concrete Roof Paver | 10.82 | 4.88 |
| | | *For 1-1/2" Thickness, Deduct* | *-1.08* | |
| | | *For 2-1/2" Thickness, Add* | *1.19* | |
| | | *For 3" Thickness, Add* | *2.37* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 76 16 00-0005 | SF | >400 To 1,000 SF, 2" Concrete Roof Paver | 10.38 | 4.25 |
| | | *For 1-1/2" Thickness, Deduct* | *-1.04* | |
| | | *For 2-1/2" Thickness, Add* | *1.14* | |
| | | *For 3" Thickness, Add* | *2.27* | |
| 07 76 16 00-0006 | SF | >1,000 SF, 2" Concrete Roof Paver | 9.81 | 3.87 |
| | | *For 1-1/2" Thickness, Deduct* | *-0.98* | |
| | | *For 2-1/2" Thickness, Add* | *1.07* | |
| | | *For 3" Thickness, Add* | *2.14* | |
| 07 76 16 00-0007 | | **Roof Paver Pedestal** *(07 76 16)* | | |
| 07 76 16 00-0008 | EA | 2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator) | 27.00 | 1.30 |
| 07 76 16 00-0009 | EA | 3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator) | 28.29 | 1.30 |
| 07 76 16 00-0010 | EA | 4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator) | 29.59 | 1.30 |
| 07 76 16 00-0011 | EA | Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator) | 14.99 | 1.30 |
| 07 76 16 00-0012 | EA | Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator) | 13.43 | 1.30 |
| 07 76 16 00-0013 | EA | 5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal)<br>Note: Stackable. | 13.75 | 1.30 |
| 07 76 16 00-0014 | EA | 1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal<br>Note: Used with High Tab and Elevator pedestals. | 7.73 | 1.30 |
| 07 76 16 00-0015 | EA | Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator)<br>Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals. | 10.33 | 1.30 |
| 07 76 16 00-0016 | | **Roof Paver** *(07 76 16)*<br>Note: For walkway application over roofing system. | | |
| 07 76 16 00-0017 | EA | 2" Thick, 48" x 48" Nonimal, Reinforced Precast Concrete Pavers<br>Note: Custom color and finish to match existing | 923.11 | |
| **07 76 19** | | **Composite Insulation Concrete Protection Board** *(07 76)*<br>Note: Manufactured by T. Clear Corp. 25 year warranty. | | |
| 07 76 19 00-0001 | | **Composite Insulation Concrete Protection Board** *(07 76 19)*<br>Note: Manufactured by T. Clear Corp. 25 year warranty. | | |
| 07 76 19 00-0002 | SF | 2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF | 6.37 | |
| | | *For 20 Year Warranty, Deduct* | *-0.37* | |
| | | *For 15 Year Warranty, Deduct* | *-0.75* | |
| | | *For 10 Year Warranty, Deduct* | *-1.02* | |
| | | *For Winds >90 MPH To 120 MPH Warranty, Add* | *0.10* | |
| 07 76 19 00-0003 | SF | 3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF | 8.29 | |
| | | *For 20 Year Warranty, Deduct* | *-0.53* | |
| | | *For 15 Year Warranty, Deduct* | *-1.07* | |
| | | *For 10 Year Warranty, Deduct* | *-1.44* | |
| | | *For Winds >90 MPH To 120 MPH Warranty, Add* | *0.10* | |
| 07 76 19 00-0004 | SF | 2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF | 9.75 | |
| | | *For 20 Year Warranty, Deduct* | *-0.62* | |
| | | *For 15 Year Warranty, Deduct* | *-1.24* | |
| | | *For 10 Year Warranty, Deduct* | *-1.68* | |
| | | *For Winds >90 MPH To 120 MPH Warranty, Add* | *0.10* | |
| 07 76 19 00-0005 | SF | 3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF | 11.77 | |
| | | *For 20 Year Warranty, Deduct* | *-0.77* | |
| | | *For 15 Year Warranty, Deduct* | *-1.56* | |
| | | *For 10 Year Warranty, Deduct* | *-2.10* | |
| | | *For Winds >90 MPH To 120 MPH Warranty, Add* | *0.10* | |

# 07 80 Fire and Smoke Protection *(07)*

## 07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

### 07 81 16 Cementitious Fireproofing *(07 81)*

| | | | | |
|---|---|---|---|---|
| 07 81 16 00-0001 | | **Monokote Fireproofing** *(07 81 16)* | | |
| 07 81 16 00-0002 | SF | Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness | 2.31 | 0.80 |
| 07 81 16 00-0003 | SF | Monokote Fireproofing For Structural Steel, Per Inch Of Thickness | 3.22 | 1.20 |
| 07 81 16 00-0004 | | **Gunite Fireproofing** *(07 81 16)* | | |
| 07 81 16 00-0005 | SF | 1" Thick, Non-Reinforced, Gunite Fireproofing | 3.78 | 0.71 |
| 07 81 16 00-0006 | SF | 1" Thick, Reinforced, Gunite Fireproofing | 5.49 | 0.71 |

### 07 81 23 Intumescent Fireproofing *(07 81)*

| | | | | |
|---|---|---|---|---|
| 07 81 23 00-0001 | | **Intumescent Thin Film Fireproofing (Albi Clad TF)** *(07 81 23)* | | |
| 07 81 23 00-0002 | | **Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)** *(07 81 23 00-0001)*<br>Note: Excludes primer. | | |
| 07 81 23 00-0003 | SF | 1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) | 17.74 | |
| | | *For >10,000, Deduct* | *-1.72* | |
| 07 81 23 00-0004 | SF | 1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) | 28.68 | |
| | | *For >10,000, Deduct* | *-2.81* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 81 23 00-0005 | | Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) *(07 81 23 00-0001)* | | |
| | | Note: Excludes primer. | | |
| 07 81 23 00-0006 | SF | 1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) | 11.38 | |
| | | *For >10,000, Deduct* | *-1.08* | |
| 07 81 23 00-0007 | SF | 1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) | 25.64 | |
| | | *For >10,000, Deduct* | *-2.50* | |
| 07 81 23 00-0008 | SF | 2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) | 58.50 | |
| | | *For >10,000, Deduct* | *-5.78* | |
| 07 81 23 00-0009 | SF | 2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) | 80.65 | |
| | | *For >10,000, Deduct* | *-7.99* | |
| 07 81 23 00-0010 | SF | 3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) | 102.82 | |
| | | *For >10,000, Deduct* | *-10.20* | |
| 07 81 23 00-0011 | SF | 3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) | 125.03 | |
| | | *For >10,000, Deduct* | *-12.42* | |
| 07 81 23 00-0012 | | Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) *(07 81 23 00-0001)* | | |
| | | Note: Excludes primer. | | |
| 07 81 23 00-0013 | SF | 1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) | 23.34 | |
| | | *For >10,000, Deduct* | *-2.27* | |
| 07 81 23 00-0014 | SF | 1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) | 43.69 | |
| | | *For >10,000, Deduct* | *-4.30* | |
| 07 81 23 00-0015 | SF | 2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) | 69.55 | |
| | | *For >10,000, Deduct* | *-6.88* | |
| 07 81 23 00-0016 | SF | 2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) | 97.24 | |
| | | *For >10,000, Deduct* | *-9.65* | |
| 07 81 23 00-0017 | SF | 3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) | 123.10 | |
| | | *For >10,000, Deduct* | *-12.23* | |
| 07 81 23 00-0018 | | Intumescent Thin Film Fireproofing (Albi Clad FP) *(07 81 23)* | | |
| 07 81 23 00-0019 | | Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) *(07 81 23 00-0018)* | | |
| | | Note: Excludes primer. | | |
| 07 81 23 00-0020 | SF | 1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) | 11.25 | |
| | | *For >10,000, Deduct* | *-1.08* | |
| 07 81 23 00-0021 | SF | 1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) | 25.92 | |
| | | *For >10,000, Deduct* | *-2.55* | |
| 07 81 23 00-0022 | SF | 2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) | 59.72 | |
| | | *For >10,000, Deduct* | *-5.92* | |
| 07 81 23 00-0023 | SF | 2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) | 82.50 | |
| | | *For >10,000, Deduct* | *-8.20* | |
| 07 81 23 00-0024 | SF | 3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) | 105.30 | |
| | | *For >10,000, Deduct* | *-10.47* | |
| **07 81 33** | | **Mineral-Fiber Fireproofing** *(07 81)* | | |
| 07 81 33 00-0001 | | Cellulose Fireproofing *(07 81 33)* | | |
| 07 81 33 00-0002 | SF | Cellulose Fireproofing, Per Inch Of Thickness | 2.67 | 0.71 |
| **07 84** | | **Firestopping** *(07 80)* | | |
| **07 84 13** | | **Penetration Firestopping** *(07 84)* | | |
| **07 84 13 16** | | **Penetration Firestopping Devices** *(07 84 13)* | | |
| 07 84 13 16-0001 | | Firestopping Systems For Cable Penetrations *(07 84 13 16)* | | |
| 07 84 13 16-0002 | | Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)* | | |
| | | Note: Includes putty, escutcheon plates, gaskets and bushings. | | |
| 07 84 13 16-0003 | EA | 1" Diameter Intumescent Firestop Sleeve (STI FS100) | 66.92 | |
| 07 84 13 16-0004 | EA | 2" Diameter Intumescent Firestop Sleeve (STI FS201) | 91.36 | |
| 07 84 13 16-0005 | EA | 4" Diameter Intumescent Firestop Sleeve (STI FS401) | 150.83 | |
| 07 84 13 16-0006 | | Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)* | | |
| | | Note: Includes pathway, putty and wall/floor mounting plates. | | |
| 07 84 13 16-0007 | EA | 1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22) | 125.88 | |
| 07 84 13 16-0008 | EA | 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS) | 223.32 | |
| 07 84 13 16-0009 | EA | 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44) | 411.97 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 84 13 16-0010** | | **3M Intumescent Firestopping Multi-Trade Pass Through Device** *(07 84 13 16)* | | |
| 07 84 13 16-0011 | EA | 2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD) | 284.56 | |
| 07 84 13 16-0012 | EA | 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD) | 262.96 | |
| 07 84 13 16-0013 | EA | 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD) | 271.16 | |
| **07 84 13 16-0014** | | **Intumescent Firestopping Pipe Collar** *(07 84 13 16)* | | |
| 07 84 13 16-0015 | EA | 1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5) | 42.19 | 11.71 |
| 07 84 13 16-0016 | EA | 2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0) | 51.25 | 11.71 |
| 07 84 13 16-0017 | EA | 3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0) | 59.73 | 12.88 |
| 07 84 13 16-0018 | EA | 4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0) | 94.32 | 14.63 |
| 07 84 13 16-0019 | EA | 8" Intumescent Firestop Pipe Collar (Hilti CP644 8") | 471.70 | 17.56 |
| 07 84 13 16-0020 | EA | 10" Intumescent Firestop Pipe Collar (Hilti CP644 10") | 609.92 | 19.31 |
| **07 84 13 16-0021** | | **Fire Rated Enclosures (Fire Rated Product Specialties Corp.)** *(07 84 13 16)* | | |
| | | Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required. | | |
| 07 84 13 16-0022 | EA | 12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) | 168.64 | |
| | | Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc. | | |
| 07 84 13 16-0023 | EA | 15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) | 179.51 | |
| | | Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc. | | |
| 07 84 13 16-0024 | EA | 11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) | 361.40 | |
| | | Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans. | | |
| 07 84 13 16-0025 | EA | 14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) | 227.35 | |
| | | Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc. | | |
| **07 84 13 16-0026** | | **Intumescent Firestopping Wrap Strips** *(07 84 13 16)* | | |
| 07 84 13 16-0027 | LF | 1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series) | 6.96 | |
| **07 84 13 19** | | **Penetration Firestopping Caulk** *(07 84 13)* | | |
| **07 84 13 19-0001** | | **Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+)** *(07 84 13 19)* | | |
| | | Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more. | | |
| 07 84 13 19-0002 | EA | 1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 22.25 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.08* | |
| 07 84 13 19-0003 | EA | 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 27.51 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.41* | |
| 07 84 13 19-0004 | EA | 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 27.25 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.31* | |
| 07 84 13 19-0005 | EA | 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 26.82 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.14* | |
| 07 84 13 19-0006 | EA | 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 31.99 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.88* | |
| 07 84 13 19-0007 | EA | 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 31.73 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.77* | |
| 07 84 13 19-0008 | EA | 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 31.30 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.60* | |
| 07 84 13 19-0009 | EA | 2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 30.63 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.33* | |
| 07 84 13 19-0010 | EA | 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 30.06 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.10* | |
| 07 84 13 19-0011 | EA | 2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 38.98 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *1.47* | |
| 07 84 13 19-0012 | EA | 2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 38.73 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *1.37* | |
| 07 84 13 19-0013 | EA | 2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 38.29 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *1.20* | |
| 07 84 13 19-0014 | EA | 2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 37.62 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.93* | |
| 07 84 13 19-0015 | EA | 2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 37.06 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.70* | |
| 07 84 13 19-0016 | EA | 2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 35.71 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.16* | |
| 07 84 13 19-0017 | EA | 3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 54.06 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *3.97* | |
| 07 84 13 19-0018 | EA | 3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 49.39 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *2.10* | |
| 07 84 13 19-0019 | EA | 3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 48.96 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *1.93* | |
| 07 84 13 19-0020 | EA | 3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 48.28 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *1.66* | |
| 07 84 13 19-0021 | EA | 3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 47.72 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *1.44* | |
| 07 84 13 19-0022 | EA | 3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 46.37 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.90* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 84 13 19-0023 | EA | 3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 44.62 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *0.20* | |
| 07 84 13 19-0024 | EA | 4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 73.49 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *7.33* | |
| 07 84 13 19-0025 | EA | 4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 73.01 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *7.14* | |
| 07 84 13 19-0026 | EA | 4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 72.24 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *6.83* | |
| 07 84 13 19-0027 | EA | 4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 71.03 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *6.34* | |
| 07 84 13 19-0028 | EA | 4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 70.01 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *5.94* | |
| 07 84 13 19-0029 | EA | 4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 62.06 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *2.76* | |
| 07 84 13 19-0030 | EA | 4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 60.32 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *2.06* | |
| 07 84 13 19-0031 | EA | 4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 57.67 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *1.00* | |
| 07 84 13 19-0032 | EA | 6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 119.51 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *16.91* | |
| 07 84 13 19-0033 | EA | 6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 119.04 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *16.72* | |
| 07 84 13 19-0034 | EA | 6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 118.26 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *16.41* | |
| 07 84 13 19-0035 | EA | 6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 117.06 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *15.93* | |
| 07 84 13 19-0036 | EA | 6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 116.04 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *15.52* | |
| 07 84 13 19-0037 | EA | 6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 113.60 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *14.54* | |
| 07 84 13 19-0038 | EA | 6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 110.46 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *13.29* | |
| 07 84 13 19-0039 | EA | 6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 105.69 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *11.38* | |
| 07 84 13 19-0040 | EA | 6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 87.72 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *4.19* | |
| 07 84 13 19-0041 | EA | 8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 160.53 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *26.70* | |
| 07 84 13 19-0042 | EA | 8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 155.76 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *24.79* | |
| 07 84 13 19-0043 | EA | 8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 146.18 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *20.96* | |
| 07 84 13 19-0044 | EA | 8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 107.12 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *5.34* | |
| 07 84 13 19-0045 | EA | 10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 205.85 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *38.21* | |
| 07 84 13 19-0046 | EA | 10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 177.45 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *26.85* | |
| 07 84 13 19-0047 | EA | 10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) | 127.31 | |
| | | *For Intumescent Sealant For Plastic Pipe, Add* | *6.79* | |

## 07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

| | | | |
|---|---|---|---|
| 07 84 13 19-0049 | EA | 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 26.83 |
| 07 84 13 19-0050 | EA | 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 26.73 |
| 07 84 13 19-0051 | EA | 1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 26.59 |
| 07 84 13 19-0052 | EA | 2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 30.53 |
| 07 84 13 19-0053 | EA | 2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 30.43 |
| 07 84 13 19-0054 | EA | 2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 30.30 |
| 07 84 13 19-0055 | EA | 2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 30.09 |
| 07 84 13 19-0056 | EA | 2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 29.90 |
| 07 84 13 19-0057 | EA | 2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 36.57 |
| 07 84 13 19-0058 | EA | 2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 36.48 |
| 07 84 13 19-0059 | EA | 2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 36.33 |
| 07 84 13 19-0060 | EA | 2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 36.13 |
| 07 84 13 19-0061 | EA | 2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 35.94 |
| 07 84 13 19-0062 | EA | 2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 35.48 |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 84 13 19-0063 | EA | 3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 46.01 | |
| 07 84 13 19-0064 | EA | 3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 45.92 | |
| 07 84 13 19-0065 | EA | 3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 45.78 | |
| 07 84 13 19-0066 | EA | 3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 45.57 | |
| 07 84 13 19-0067 | EA | 3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 45.38 | |
| 07 84 13 19-0068 | EA | 3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 44.92 | |
| 07 84 13 19-0069 | EA | 3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 44.27 | |
| 07 84 13 19-0070 | EA | 4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 58.67 | |
| 07 84 13 19-0071 | EA | 4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 58.57 | |
| 07 84 13 19-0072 | EA | 4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 58.43 | |
| 07 84 13 19-0073 | EA | 4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 58.20 | |
| 07 84 13 19-0074 | EA | 4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 57.99 | |
| 07 84 13 19-0075 | EA | 4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 57.52 | |
| 07 84 13 19-0076 | EA | 4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 56.93 | |
| 07 84 13 19-0077 | EA | 4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 56.01 | |
| 07 84 13 19-0078 | EA | 6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 85.30 | |
| 07 84 13 19-0079 | EA | 6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 85.20 | |
| 07 84 13 19-0080 | EA | 6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 85.06 | |
| 07 84 13 19-0081 | EA | 6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 84.86 | |
| 07 84 13 19-0082 | EA | 6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 84.67 | |
| 07 84 13 19-0083 | EA | 6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 84.21 | |
| 07 84 13 19-0084 | EA | 6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 83.56 | |
| 07 84 13 19-0085 | EA | 6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 82.69 | |
| 07 84 13 19-0086 | EA | 6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 80.80 | |
| 07 84 13 19-0087 | EA | 8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 106.51 | |
| 07 84 13 19-0088 | EA | 8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 105.63 | |
| 07 84 13 19-0089 | EA | 8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 103.74 | |
| 07 84 13 19-0090 | EA | 8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 98.40 | |
| 07 84 13 19-0091 | EA | 10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 128.55 | |
| 07 84 13 19-0092 | EA | 10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 123.19 | |
| 07 84 13 19-0093 | EA | 10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound) | 116.12 | |

### 07 84 13 19-0094 Intumescent Firestopping For Sealing Pipe Penetrations (STI SpecSeal SSS Series) *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

| | | | | |
|---|---|---|---|---|
| 07 84 13 19-0095 | EA | 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 27.39 | |
| 07 84 13 19-0096 | EA | 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 27.11 | |
| 07 84 13 19-0097 | EA | 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 26.78 | |
| 07 84 13 19-0098 | EA | 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 31.66 | |
| 07 84 13 19-0099 | EA | 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 31.37 | |
| 07 84 13 19-0100 | EA | 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 31.04 | |
| 07 84 13 19-0101 | EA | 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 30.09 | |
| 07 84 13 19-0102 | EA | 2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 38.63 | |
| 07 84 13 19-0103 | EA | 2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 38.35 | |
| 07 84 13 19-0104 | EA | 2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 38.02 | |
| 07 84 13 19-0105 | EA | 2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 37.53 | |
| 07 84 13 19-0106 | EA | 2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 37.07 | |
| 07 84 13 19-0107 | EA | 2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 35.85 | |
| 07 84 13 19-0108 | EA | 3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 49.01 | |
| 07 84 13 19-0109 | EA | 3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 48.73 | |
| 07 84 13 19-0110 | EA | 3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 48.40 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 84 13 19-0111 | EA | 3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 47.91 | |
| 07 84 13 19-0112 | EA | 3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 47.45 | |
| 07 84 13 19-0113 | EA | 3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 46.23 | |
| 07 84 13 19-0114 | EA | 3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 44.46 | |
| 07 84 13 19-0115 | EA | 4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 64.29 | |
| 07 84 13 19-0116 | EA | 4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 64.00 | |
| 07 84 13 19-0117 | EA | 4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 63.68 | |
| 07 84 13 19-0118 | EA | 4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 63.08 | |
| 07 84 13 19-0119 | EA | 4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 62.49 | |
| 07 84 13 19-0120 | EA | 4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 61.27 | |
| 07 84 13 19-0121 | EA | 4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 59.75 | |
| 07 84 13 19-0122 | EA | 4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 57.32 | |
| 07 84 13 19-0123 | EA | 6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 98.23 | |
| 07 84 13 19-0124 | EA | 6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 97.94 | |
| 07 84 13 19-0125 | EA | 6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 97.62 | |
| 07 84 13 19-0126 | EA | 6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 97.13 | |
| 07 84 13 19-0127 | EA | 6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 96.67 | |
| 07 84 13 19-0128 | EA | 6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 95.45 | |
| 07 84 13 19-0129 | EA | 6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 93.68 | |
| 07 84 13 19-0130 | EA | 6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 91.50 | |
| 07 84 13 19-0131 | EA | 6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 86.43 | |
| 07 84 13 19-0132 | EA | 8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 126.94 | |
| 07 84 13 19-0133 | EA | 8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 124.75 | |
| 07 84 13 19-0134 | EA | 8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 119.68 | |
| 07 84 13 19-0135 | EA | 8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 105.89 | |
| 07 84 13 19-0136 | EA | 10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 157.79 | |
| 07 84 13 19-0137 | EA | 10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 144.00 | |
| 07 84 13 19-0138 | EA | 10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 125.30 | |

## 07 84 16 Annular Space Firestopping Protection *(07 84)*

### 07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*

### 07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 84 16 00-0003 | EA | 1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+) | 36.42 | |
| 07 84 16 00-0004 | EA | 2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+) | 53.00 | |
| 07 84 16 00-0005 | EA | 3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+) | 55.21 | |
| 07 84 16 00-0006 | EA | 4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+) | 57.42 | |
| 07 84 16 00-0007 | EA | 5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+) | 59.62 | |
| 07 84 16 00-0008 | EA | 6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+) | 76.19 | |

### 07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 07 84 16 00-0010 | EA | Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276) | 14.50 | |
| 07 84 16 00-0011 | EA | Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274) | 15.10 | |
| 07 84 16 00-0012 | EA | Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272) | 13.98 | |
| 07 84 16 00-0013 | EA | Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270) | 15.15 | |
| 07 84 16 00-0014 | EA | Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266) | 14.69 | |
| 07 84 16 00-0015 | EA | Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265) | 14.06 | |

### 07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*

| | | | | |
|---|---|---|---|---|
| 07 84 16 00-0017 | EA | 2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249) | 39.98 | |
| 07 84 16 00-0018 | EA | 2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269) | 42.93 | |
| 07 84 16 00-0019 | EA | 3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369) | 46.56 | |

### 07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

| | | | | |
|---|---|---|---|---|
| 07 84 16 00-0021 | EA | 16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28) | 358.51 | |
| 07 84 16 00-0022 | EA | 36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2) | 509.59 | |
| 07 84 16 00-0023 | EA | 36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3) | 693.31 | |

### 07 84 16 00-0024 Endothermic Mat Wrap Fire Barrier *(07 84 16)*

Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.

| | | | | |
|---|---|---|---|---|
| 07 84 16 00-0025 | SF | 0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4) | 52.78 | |

### 07 84 16 00-0026 Firestopping Caulk For Filling Opening *(07 84 16)*

| | | | | |
|---|---|---|---|---|
| 07 84 16 00-0027 | GAL | Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+) | 148.37 | |

### 07 84 16 00-0028 Firestopping Mortar For Filling Opening *(07 84 16)*

| | | | | |
|---|---|---|---|---|
| 07 84 16 00-0029 | CF | Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series) | 186.21 | |

## 07 84 23 Silicone Firestopping Foams *(07 84)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 84 23 00-0001** | | **Silicone RTV Foam Seal For Blank Openings** *(07 84 23)*<br>Note: Includes 7" depth of silicone foam barrier and 1" depth backer board | | |
| 07 84 23 00-0002 | EA | 2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam | 43.40 | |
| 07 84 23 00-0003 | EA | 4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam | 96.90 | |
| 07 84 23 00-0004 | EA | 6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam | 175.35 | |
| 07 84 23 00-0005 | EA | 8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam | 264.73 | |
| 07 84 23 00-0006 | EA | 10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam | 378.91 | |
| 07 84 23 00-0007 | EA | 12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam | 515.16 | |
| 07 84 23 00-0008 | EA | 16" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam | 1,054.73 | |
| 07 84 23 00-0009 | EA | 20" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam | 1,581.14 | |
| 07 84 23 00-0010 | EA | 24" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam | 2,221.63 | |
| **07 84 43** | | **Joint Firestopping** *(07 84)* | | |
| **07 84 43 00-0001** | | **Intumescent Firestopping Sealant For Joints (3M CP 25WB+)** *(07 84 43)* | | |
| 07 84 43 00-0002 | CLF | 1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 399.59 | 99.30 |
| | | *For Up To 6 CLF, Add* | *22.52* | |
| | | *For >30 CLF, Deduct* | *-25.06* | |
| 07 84 43 00-0003 | CLF | 1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 450.48 | 99.30 |
| | | *For Up To 4 CLF, Add* | *26.34* | |
| | | *For >20 CLF, Deduct* | *-30.15* | |
| 07 84 43 00-0004 | CLF | 1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 512.36 | 102.61 |
| | | *For Up To 3 CLF, Add* | *30.70* | |
| | | *For >15 CLF, Deduct* | *-35.79* | |
| 07 84 43 00-0005 | CLF | 3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 537.79 | 102.61 |
| | | *For Up To 2.5 CLF, Add* | *32.61* | |
| | | *For >13 CLF, Deduct* | *-38.33* | |
| 07 84 43 00-0006 | CLF | 3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 614.07 | 102.61 |
| | | *For Up To 2 CLF, Add* | *38.33* | |
| | | *For >10 CLF, Deduct* | *-45.96* | |
| 07 84 43 00-0007 | CLF | 3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 690.36 | 102.61 |
| | | *For Up To 1.5 CLF, Add* | *44.05* | |
| | | *For >8 CLF, Deduct* | *-53.59* | |
| 07 84 43 00-0008 | CLF | 3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 777.67 | 107.02 |
| | | *For Up To 1.3 CLF, Add* | *50.33* | |
| | | *For >7 CLF, Deduct* | *-61.77* | |
| 07 84 43 00-0009 | CLF | 1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 726.82 | 107.02 |
| | | *For Up To 1.4 CLF, Add* | *46.51* | |
| | | *For >7.5 CLF, Deduct* | *-56.68* | |
| 07 84 43 00-0010 | CLF | 1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 839.57 | 110.33 |
| | | *For Up To 1.15 CLF, Add* | *54.69* | |
| | | *For >6 CLF, Deduct* | *-67.41* | |
| 07 84 43 00-0011 | CLF | 1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 941.28 | 110.33 |
| | | *For Up To 1 CLF, Add* | *62.32* | |
| | | *For >5 CLF, Deduct* | *-77.58* | |
| 07 84 43 00-0012 | CLF | 1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 1,054.03 | 113.64 |
| | | *For Up To 0.8 CLF, Add* | *70.50* | |
| | | *For >4.5 CLF, Deduct* | *-88.30* | |
| 07 84 43 00-0013 | CLF | 1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 1,166.77 | 118.05 |
| | | *For Up To 0.75 CLF, Add* | *78.68* | |
| | | *For >4 CLF, Deduct* | *-99.02* | |
| 07 84 43 00-0014 | CLF | 3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 1,279.52 | 121.36 |
| | | *For Up To 0.65 CLF, Add* | *86.86* | |
| | | *For >3.5 CLF, Deduct* | *-109.75* | |
| 07 84 43 00-0015 | CLF | 3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 1,617.77 | 132.40 |
| | | *For Up To 0.5 CLF, Add* | *111.40* | |
| | | *For >2.5 CLF, Deduct* | *-141.92* | |
| | | *For Silicone Sealant (Bio Fireshield BFS 100 or 200), add* | *183.09* | |
| 07 84 43 00-0016 | CLF | 1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) | 2,068.75 | 146.74 |
| | | *For Up To 0.4 CLF, Add* | *144.12* | |
| | | *For >2 CLF, Deduct* | *-184.81* | |
| **07 84 43 00-0017** | | **Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series)** *(07 84 43)* | | |
| 07 84 43 00-0018 | CLF | 1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 413.76 | 99.30 |
| | | *For Up To 6 CLF, Add* | *23.58* | |
| | | *For >30 CLF, Deduct* | *-26.48* | |
| 07 84 43 00-0019 | CLF | 1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 471.68 | 99.30 |
| | | *For Up To 4 CLF, Add* | *27.93* | |
| | | *For >20 CLF, Deduct* | *-32.27* | |
| 07 84 43 00-0020 | CLF | 1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 540.64 | 102.61 |
| | | *For Up To 3 CLF, Add* | *32.82* | |
| | | *For >15 CLF, Deduct* | *-38.62* | |
| 07 84 43 00-0021 | CLF | 3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 569.61 | 102.61 |
| | | *For Up To 2.5 CLF, Add* | *35.00* | |
| | | *For >13 CLF, Deduct* | *-41.51* | |
| 07 84 43 00-0022 | CLF | 3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 656.50 | 102.61 |
| | | *For Up To 2 CLF, Add* | *41.51* | |
| | | *For >10 CLF, Deduct* | *-50.20* | |
| 07 84 43 00-0023 | CLF | 3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 743.39 | 102.61 |
| | | *For Up To 1.5 CLF, Add* | *48.03* | |
| | | *For >8 CLF, Deduct* | *-58.89* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 84 43 00-0024 | CLF | 3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 841.31 | 107.02 |
| | | *For Up To 1.3 CLF, Add* | *55.10* | |
| | | *For >7 CLF, Deduct* | *-68.13* | |
| 07 84 43 00-0025 | CLF | 1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 783.38 | 107.02 |
| | | *For Up To 1.4 CLF, Add* | *50.75* | |
| | | *For >7.5 CLF, Deduct* | *-62.34* | |
| 07 84 43 00-0026 | CLF | 1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 910.28 | 110.33 |
| | | *For Up To 1.15 CLF, Add* | *60.00* | |
| | | *For >6 CLF, Deduct* | *-74.48* | |
| 07 84 43 00-0027 | CLF | 1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 1,026.14 | 110.33 |
| | | *For Up To 1 CLF, Add* | *68.69* | |
| | | *For >5 CLF, Deduct* | *-86.06* | |
| 07 84 43 00-0028 | CLF | 1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 1,153.02 | 113.64 |
| | | *For Up To 0.8 CLF, Add* | *77.93* | |
| | | *For >4.5 CLF, Deduct* | *-98.20* | |
| 07 84 43 00-0029 | CLF | 1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 1,279.91 | 118.05 |
| | | *For Up To 0.75 CLF, Add* | *87.17* | |
| | | *For >4 CLF, Deduct* | *-110.34* | |
| 07 84 43 00-0030 | CLF | 3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 1,406.79 | 121.36 |
| | | *For Up To 0.65 CLF, Add* | *96.41* | |
| | | *For >3.5 CLF, Deduct* | *-122.47* | |
| 07 84 43 00-0031 | CLF | 3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 1,787.47 | 132.40 |
| | | *For Up To 0.5 CLF, Add* | *124.13* | |
| | | *For >2.5 CLF, Deduct* | *-158.89* | |
| 07 84 43 00-0032 | CLF | 1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) | 2,295.02 | 146.74 |
| | | *For Up To 0.4 CLF, Add* | *161.09* | |
| | | *For >2 CLF, Deduct* | *-207.44* | |

## 07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) *(07 84 43)*

| | | | | |
|---|---|---|---|---|
| 07 84 43 00-0034 | CLF | 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 357.83 | 99.30 |
| | | *For Up To 6 CLF, Add* | *19.39* | |
| | | *For >30 CLF, Deduct* | *-20.89* | |
| 07 84 43 00-0035 | CLF | 1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 387.79 | 99.30 |
| | | *For Up To 4 CLF, Add* | *21.64* | |
| | | *For >20 CLF, Deduct* | *-23.88* | |
| 07 84 43 00-0036 | CLF | 1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 428.78 | 102.61 |
| | | *For Up To 3 CLF, Add* | *24.44* | |
| | | *For >15 CLF, Deduct* | *-27.43* | |
| 07 84 43 00-0037 | CLF | 3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 443.76 | 102.61 |
| | | *For Up To 2.5 CLF, Add* | *25.56* | |
| | | *For >13 CLF, Deduct* | *-28.93* | |
| 07 84 43 00-0038 | CLF | 3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 488.71 | 102.61 |
| | | *For Up To 2 CLF, Add* | *28.93* | |
| | | *For >10 CLF, Deduct* | *-33.42* | |
| 07 84 43 00-0039 | CLF | 3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 533.65 | 102.61 |
| | | *For Up To 1.5 CLF, Add* | *32.30* | |
| | | *For >8 CLF, Deduct* | *-37.92* | |
| 07 84 43 00-0040 | CLF | 3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 589.62 | 107.02 |
| | | *For Up To 1.3 CLF, Add* | *36.22* | |
| | | *For >7 CLF, Deduct* | *-42.96* | |
| 07 84 43 00-0041 | CLF | 1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 559.66 | 107.02 |
| | | *For Up To 1.4 CLF, Add* | *33.98* | |
| | | *For >7.5 CLF, Deduct* | *-39.97* | |
| 07 84 43 00-0042 | CLF | 1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 630.63 | 110.33 |
| | | *For Up To 1.15 CLF, Add* | *39.02* | |
| | | *For >6 CLF, Deduct* | *-46.51* | |
| 07 84 43 00-0043 | CLF | 1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 690.55 | 110.33 |
| | | *For Up To 1 CLF, Add* | *43.52* | |
| | | *For >5 CLF, Deduct* | *-52.51* | |
| 07 84 43 00-0044 | CLF | 1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 761.51 | 113.64 |
| | | *For Up To 0.8 CLF, Add* | *48.56* | |
| | | *For >4.5 CLF, Deduct* | *-59.05* | |
| 07 84 43 00-0045 | CLF | 1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 832.46 | 118.05 |
| | | *For Up To 0.75 CLF, Add* | *53.61* | |
| | | *For >4 CLF, Deduct* | *-65.59* | |
| 07 84 43 00-0046 | CLF | 3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 903.42 | 121.36 |
| | | *For Up To 0.65 CLF, Add* | *58.65* | |
| | | *For >3.5 CLF, Deduct* | *-72.14* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 84 43 00-0047 | CLF | 3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 1,116.31 | 132.40 |
| | | *For Up To 0.5 CLF, Add* | *73.79* | |
| | | *For >2.5 CLF, Deduct* | *-91.77* | |
| 07 84 43 00-0048 | CLF | 1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) | 1,400.14 | 146.74 |
| | | *For Up To 0.4 CLF, Add* | *93.98* | |
| | | *For >2 CLF, Deduct* | *-117.95* | |

## 07 84 43 00-0049 Elastomeric Spray Firestopping For Joints And Penetrations *(07 84 43)*

| | | | |
|---|---|---|---|
| 07 84 43 00-0050 | LF | 1" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 0.90 |
| 07 84 43 00-0051 | LF | 2" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 1.78 |
| 07 84 43 00-0052 | LF | 3" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 2.57 |
| 07 84 43 00-0053 | LF | 4" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 3.48 |
| 07 84 43 00-0054 | LF | 5" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 4.31 |
| 07 84 43 00-0055 | LF | 6" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 5.27 |
| 07 84 43 00-0056 | LF | 1" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 1.79 |
| 07 84 43 00-0057 | LF | 2" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 3.56 |
| 07 84 43 00-0058 | LF | 3" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 5.14 |
| 07 84 43 00-0059 | LF | 4" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 6.96 |
| 07 84 43 00-0060 | LF | 5" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 8.62 |
| 07 84 43 00-0061 | LF | 6" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 10.52 |
| 07 84 43 00-0062 | LF | 1" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 3.58 |
| 07 84 43 00-0063 | LF | 2" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 7.13 |
| 07 84 43 00-0064 | LF | 3" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 10.28 |
| 07 84 43 00-0065 | LF | 4" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 13.93 |
| 07 84 43 00-0066 | LF | 5" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 17.25 |
| 07 84 43 00-0067 | LF | 6" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 21.06 |
| 07 84 43 00-0068 | LF | 1" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 7.18 |
| 07 84 43 00-0069 | LF | 2" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 14.27 |
| 07 84 43 00-0070 | LF | 3" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 20.56 |
| 07 84 43 00-0071 | LF | 4" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 27.86 |
| 07 84 43 00-0072 | LF | 5" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 34.49 |
| 07 84 43 00-0073 | LF | 6" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200) | 42.12 |

## 07 84 43 00-0074 Intumescent Firestopping Sealant For Joints *(07 84 43)*

| | | | | |
|---|---|---|---|---|
| 07 84 43 00-0075 | CLF | 1/4" x 1/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 386.46 | 99.30 |
| | | *For Up To 6 CLF, Add* | *21.54* | |
| | | *For >30 CLF, Deduct* | *-23.75* | |
| 07 84 43 00-0076 | CLF | 1/4" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 430.75 | 99.30 |
| | | *For Up To 4 CLF, Add* | *24.86* | |
| | | *For >20 CLF, Deduct* | *-28.18* | |
| 07 84 43 00-0077 | CLF | 1/4" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 486.06 | 102.61 |
| | | *For Up To 3 CLF, Add* | *28.73* | |
| | | *For >15 CLF, Deduct* | *-33.16* | |
| 07 84 43 00-0078 | CLF | 3/8" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 508.20 | 102.61 |
| | | *For Up To 2.5 CLF, Add* | *30.39* | |
| | | *For >13 CLF, Deduct* | *-35.37* | |
| 07 84 43 00-0079 | CLF | 3/8" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 574.62 | 102.61 |
| | | *For Up To 2 CLF, Add* | *35.37* | |
| | | *For >10 CLF, Deduct* | *-42.02* | |
| 07 84 43 00-0080 | CLF | 3/8" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 641.05 | 102.61 |
| | | *For Up To 1.5 CLF, Add* | *40.36* | |
| | | *For >8 CLF, Deduct* | *-48.66* | |
| 07 84 43 00-0081 | CLF | 3/8" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 718.50 | 107.02 |
| | | *For Up To 1.3 CLF, Add* | *45.89* | |
| | | *For >7 CLF, Deduct* | *-55.85* | |
| 07 84 43 00-0082 | CLF | 1/2" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 674.22 | 107.02 |
| | | *For Up To 1.4 CLF, Add* | *42.57* | |
| | | *For >7.5 CLF, Deduct* | *-51.42* | |
| 07 84 43 00-0083 | CLF | 1/2" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 773.82 | 110.33 |
| | | *For Up To 1.15 CLF, Add* | *49.76* | |
| | | *For >6 CLF, Deduct* | *-60.83* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 84 43 00-0084 | CLF | 1/2" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 862.39 | 110.33 |
| | | *For Up To 1 CLF, Add* | *56.40* | |
| | | *For >5 CLF, Deduct* | *-69.69* | |
| 07 84 43 00-0085 | CLF | 1/2" x 7/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 961.98 | 113.64 |
| | | *For Up To 0.8 CLF, Add* | *63.60* | |
| | | *For >4.5 CLF, Deduct* | *-79.10* | |
| 07 84 43 00-0086 | CLF | 1/2" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 1,061.58 | 118.05 |
| | | *For Up To 0.75 CLF, Add* | *70.79* | |
| | | *For >4 CLF, Deduct* | *-88.51* | |
| 07 84 43 00-0087 | CLF | 3/4" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 1,161.17 | 121.36 |
| | | *For Up To 0.65 CLF, Add* | *77.99* | |
| | | *For >3.5 CLF, Deduct* | *-97.91* | |
| 07 84 43 00-0088 | CLF | 3/4" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 1,459.97 | 132.40 |
| | | *For Up To 0.5 CLF, Add* | *99.57* | |
| | | *For >2.5 CLF, Deduct* | *-126.14* | |
| 07 84 43 00-0089 | CLF | 1" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series) | 1,858.36 | 146.74 |
| | | *For Up To 0.4 CLF, Add* | *128.34* | |
| | | *For >2 CLF, Deduct* | *-163.77* | |

### 07 84 56 Fire Safing *(07 84)*

#### 07 84 56 13 Fibrous Fire Safing *(07 84 56)*

07 84 56 13-0001 Thermal Barrier Wrap *(07 84 56 13)*

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

| | | | | |
|---|---|---|---|---|
| 07 84 56 13-0002 | SF | 1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A) | 11.20 | |
| | | *For Work In Restricted Working Space, Add* | *1.43* | |
| 07 84 56 13-0003 | SF | 1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A) | 18.13 | |
| | | Note: Includes cutting wrap to fit pipe or conduit and sealing edges. | | |
| | | *For Work In Restricted Working Space, Add* | *1.43* | |
| 07 84 56 13-0004 | SF | 2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A) | 19.79 | |
| | | Note: Includes cutting wrap to fit pipe or conduit and sealing edges. | | |
| | | *For Work In Restricted Working Space, Add* | *1.43* | |

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*

| | | | | |
|---|---|---|---|---|
| 07 84 56 13-0006 | SF | 1/2" Thermal Ceramics FireMaster Blanket Wrap | 19.81 | 11.45 |
| | | *For Work In Restricted Working Space, Add* | *4.60* | |
| | | *For >500 To 5,000, Deduct* | *-1.80* | |
| | | *For >5,000, Deduct* | *-3.19* | |
| 07 84 56 13-0007 | SF | 1" Thermal Ceramics FireMaster Blanket Wrap | 23.50 | 11.45 |
| | | *For Work In Restricted Working Space, Add* | *4.60* | |
| | | *For >500 To 5,000, Deduct* | *-2.64* | |
| | | *For >5,000, Deduct* | *-4.55* | |
| 07 84 56 13-0008 | SF | 1-1/2" Thermal Ceramics FireMaster Blanket Wrap | 27.55 | 11.45 |
| | | *For Work In Restricted Working Space, Add* | *4.60* | |
| | | *For >500 To 5,000, Deduct* | *-3.58* | |
| | | *For >5,000, Deduct* | *-6.05* | |
| 07 84 56 13-0009 | SF | 2" Thermal Ceramics FireMaster Blanket Wrap | 31.61 | 11.45 |
| | | *For Work In Restricted Working Space, Add* | *4.60* | |
| | | *For >500 To 5,000, Deduct* | *-4.51* | |
| | | *For >5,000, Deduct* | *-7.55* | |

07 84 56 13-0010 Fire Safing (SAFE), Mineral Wool Insulation *(07 84 56 13)*

| | | | | |
|---|---|---|---|---|
| 07 84 56 13-0011 | SF | 4" Thick, Fire Safing (SAFE), Mineral Wool Insulation (Rockwool Roxul) | 3.88 | 0.46 |
| | | *For Work In Restricted Working Space, Add* | *0.38* | |

## 07 90 Joint Protection *(07)*

### 07 91 Preformed Joint Seals *(07 90)*

#### 07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001 Backer Rods *(07 91 23)*

| | | | | |
|---|---|---|---|---|
| 07 91 23 00-0002 | LF | 1/4" Polyethylene Or Polyurethane Backer Rod | 2.39 | 0.64 |
| 07 91 23 00-0003 | LF | 3/8" Polyethylene Or Polyurethane Backer Rod | 2.58 | 0.64 |
| 07 91 23 00-0004 | LF | 1/2" Polyethylene Or Polyurethane Backer Rod | 2.89 | 0.64 |
| 07 91 23 00-0005 | LF | 5/8" Polyethylene Or Polyurethane Backer Rod | 3.39 | 0.64 |
| 07 91 23 00-0006 | LF | 3/4" Polyethylene Or Polyurethane Backer Rod | 3.55 | 0.77 |
| 07 91 23 00-0007 | LF | 7/8" Polyethylene Or Polyurethane Backer Rod | 3.98 | 0.77 |
| 07 91 23 00-0008 | LF | 1" Polyethylene Or Polyurethane Backer Rod | 5.12 | 0.77 |
| 07 91 23 00-0009 | LF | 1-1/4" Polyethylene Or Polyurethane Backer Rod | 6.20 | 0.90 |
| 07 91 23 00-0010 | LF | 1-1/2" Polyethylene Or Polyurethane Backer Rod | 7.40 | 1.03 |
| 07 91 23 00-0011 | LF | 2" Polyethylene Or Polyurethane Backer Rod | 10.28 | 1.16 |
| 07 91 23 00-0012 | LF | 3" Polyethylene Or Polyurethane Backer Rod | 21.60 | 1.42 |

#### 07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 91 26 00-0002 | LF | 1/4" x 1/4" Butyl Rubber Filler | 2.97 | 0.77 |
| | | *For Custom Match Coloring, Add* | *0.05* | |
| 07 91 26 00-0003 | LF | 1/2" x 1/2" Butyl Rubber Filler | 8.98 | 2.20 |
| | | *For Custom Match Coloring, Add* | *0.22* | |
| 07 91 26 00-0004 | LF | 1/2" x 3/4" Butyl Rubber Filler | 10.89 | 2.33 |
| | | *For Custom Match Coloring, Add* | *0.34* | |
| 07 91 26 00-0005 | LF | 3/4" x 3/4" Butyl Rubber Filler | 11.89 | 2.45 |
| 07 91 26 00-0006 | LF | 1" x 1" Butyl Rubber Filler | 16.01 | 4.52 |
| **07 91 26 00-0007** | | **Closed Cell Neoprene** *(07 91 26)* | | |
| 07 91 26 00-0008 | CLF | 1/8" x 3" Neoprene Gasket Closed Cell, Adhesive | 511.24 | 148.97 |
| 07 91 26 00-0009 | CLF | 1/8" x 6" Neoprene Gasket Closed Cell, Adhesive | 805.66 | 215.19 |
| 07 91 26 00-0010 | CLF | 1/4" x 3" Neoprene Gasket Closed Cell, Adhesive | 651.23 | 184.47 |
| 07 91 26 00-0011 | CLF | 1/4" x 6" Neoprene Gasket Closed Cell, Adhesive | 738.85 | 193.63 |
| 07 91 26 00-0012 | CLF | 1/2" x 6" Neoprene Gasket Closed Cell, Adhesive | 1,128.42 | 297.94 |
| 07 91 26 00-0013 | CLF | 1/2" x 9" Neoprene Gasket Closed Cell, Adhesive | 1,280.58 | 322.72 |
| 07 91 26 00-0014 | CLF | 1/2" x 12" Neoprene Gasket Closed Cell, Adhesive | 1,123.36 | 234.69 |
| **07 91 26 00-0015** | | **Closed Cell Polyvinyl Chloride** *(07 91 26)* | | |
| 07 91 26 00-0016 | CLF | 1/8" x 3" Polyethylene Joint Backing, Closed Cell | 531.90 | 184.47 |
| 07 91 26 00-0017 | CLF | 1/8" x 6" Polyethylene Joint Backing, Closed Cell | 929.64 | 297.94 |
| 07 91 26 00-0018 | CLF | 1/4" x 3" Polyethylene Joint Backing, Closed Cell | 704.03 | 254.31 |
| 07 91 26 00-0019 | CLF | 1/4" x 6" Polyethylene Joint Backing, Closed Cell | 869.72 | 268.50 |
| 07 91 26 00-0020 | CLF | 1/2" x 6" Polyethylene Joint Backing, Closed Cell | 1,322.43 | 411.80 |
| 07 91 26 00-0021 | CLF | 1/2" x 9" Polyethylene Joint Backing, Closed Cell | 1,567.58 | 446.90 |
| 07 91 26 00-0022 | CLF | 1/2" x 12" Polyethylene Joint Backing, Closed Cell | 2,107.35 | 535.71 |
| **07 91 26 00-0023** | | **Silicon RTV Foam Penetration Seal** *(07 91 26)* | | |
| 07 91 26 00-0024 | CLF | 1/4" x 1/2" Silicon RTV Foam Seal | 168.35 | 29.56 |
| 07 91 26 00-0025 | CLF | 1/2" x 1/2" Silicon RTV Foam Seal | 336.67 | 58.99 |
| 07 91 26 00-0026 | CLF | 1/2" x 3/4" Silicon RTV Foam Seal | 501.68 | 87.65 |
| 07 91 26 00-0027 | CLF | 3/4" x 3/4" Silicon RTV Foam Seal | 708.37 | 118.12 |
| 07 91 26 00-0028 | CLF | 1/8" x 1" Silicon RTV Foam Seal | 168.35 | 29.56 |
| 07 91 26 00-0029 | CLF | 1/8" x 3" Silicon RTV Foam Seal | 501.15 | 87.40 |
| 07 91 26 00-0030 | CLF | 1/4" x 3" Silicon RTV Foam Seal | 857.02 | 131.28 |
| 07 91 26 00-0031 | CLF | 1/4" x 6" Silicon RTV Foam Seal | 1,711.74 | 261.66 |
| 07 91 26 00-0032 | CLF | 1/2" x 6" Silicon RTV Foam Seal | 3,245.65 | 472.34 |
| 07 91 26 00-0033 | CLF | 1/2" x 9" Silicon RTV Foam Seal | 4,963.42 | 737.87 |
| 07 91 26 00-0034 | CLF | 1/2" x 12" Silicon RTV Foam Seal | 7,293.65 | 1,180.64 |
| **07 91 26 00-0035** | | **Seals O-Ring Type Cord "J-Seal"** *(07 91 26)* | | |
| 07 91 26 00-0036 | LF | 1/4" Seals O-Ring Cord, J-Seal | 5.53 | 1.68 |
| 07 91 26 00-0037 | LF | 1/2" Seals O-Ring Cord, J-Seal | 5.86 | 1.68 |
| 07 91 26 00-0038 | LF | 3/4" Seals O-Ring Cord, J-Seal | 6.15 | 1.82 |
| 07 91 26 00-0039 | LF | 1" Seals O-Ring Cord, J-Seal | 6.47 | 1.95 |
| 07 91 26 00-0040 | LF | 1-1/4" Seals O-Ring Cord, J-Seal | 6.93 | 2.08 |
| 07 91 26 00-0041 | LF | 1-1/2" Seals O-Ring Cord, J-Seal | 7.24 | 2.08 |
| 07 91 26 00-0042 | LF | 1-3/4" Seals O-Ring Cord, J-Seal | 7.64 | 2.21 |
| 07 91 26 00-0043 | LF | 2" Seals O-Ring Cord, J-Seal | 7.86 | 2.21 |

## 07 91 33 Expansion Joint Seal Systems *(07 91)*

**07 91 33 00-0001** Expansion Joint Seal Systems (Wabo®) *(07 91 33)*

**07 91 33 00-0002** Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) *(07 91 33 00-0001)*

Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.

| | | | | |
|---|---|---|---|---|
| 07 91 33 00-0003 | LF | 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH) | 94.50 | 7.01 |
| 07 91 33 00-0004 | LF | 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH) | 127.88 | 7.34 |
| 07 91 33 00-0005 | LF | 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH) | 163.09 | 7.68 |
| 07 91 33 00-0006 | LF | 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH) | 202.29 | 8.01 |
| 07 91 33 00-0007 | LF | 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH) | 263.90 | 8.34 |
| 07 91 33 00-0008 | LF | 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH) | 303.77 | 8.67 |
| 07 91 33 00-0009 | LF | 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH) | 353.28 | 9.01 |

**07 91 33 00-0010** Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*

Note: Includes preformed neoprene joint seal and lubricant adhesive.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 91 33 00-0011 | LF | 0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162) | 45.85 | 7.01 |
| 07 91 33 00-0012 | LF | 0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175) | 50.44 | 7.11 |
| 07 91 33 00-0013 | LF | 0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200) | 61.98 | 7.21 |
| 07 91 33 00-0014 | LF | 0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225) | 66.01 | 7.34 |
| 07 91 33 00-0015 | LF | 1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250) | 70.81 | 7.44 |
| 07 91 33 00-0016 | LF | 1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300) | 87.96 | 7.55 |
| 07 91 33 00-0017 | LF | 1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350) | 109.69 | 7.68 |
| 07 91 33 00-0018 | LF | 1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400) | 130.52 | 8.01 |
| 07 91 33 00-0019 | LF | 1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500) | 148.29 | 8.34 |

### 07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*

Note: Includes preformed Santoprene® joint seal and lubricant adhesive.

| | | | | |
|---|---|---|---|---|
| 07 91 33 00-0021 | LF | 0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100) | 37.56 | 7.01 |
| 07 91 33 00-0022 | LF | 0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225) | 50.10 | 7.34 |
| 07 91 33 00-0023 | LF | 1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250) | 62.42 | 7.68 |
| 07 91 33 00-0024 | LF | 1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300) | 66.11 | 7.84 |
| 07 91 33 00-0025 | LF | 1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400) | 73.83 | 8.01 |
| 07 91 33 00-0026 | LF | 1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500) | 108.19 | 8.34 |
| 07 91 33 00-0027 | LF | 1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600) | 150.75 | 8.67 |

### 07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) *(07 91 33 00-0001)*

Note: Includes a pre-compressed foam seal and silicone sealant.

| | | | | |
|---|---|---|---|---|
| 07 91 33 00-0029 | LF | 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100) | 35.58 | 2.78 |
| 07 91 33 00-0030 | LF | 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150) | 60.46 | 2.89 |
| 07 91 33 00-0031 | LF | 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200) | 91.60 | 3.00 |
| 07 91 33 00-0032 | LF | 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250) | 115.80 | 3.11 |
| 07 91 33 00-0033 | LF | 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300) | 152.76 | 3.22 |
| 07 91 33 00-0034 | LF | 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350) | 202.50 | 3.34 |
| 07 91 33 00-0035 | LF | 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400) | 248.66 | 3.45 |
| 07 91 33 00-0036 | LF | 2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500) | 335.82 | 3.56 |
| 07 91 33 00-0037 | LF | 3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600) | 392.27 | 3.67 |

### 07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) *(07 91 33 00-0001)*

Note: Includes a pre-compressed foam seal and silicone sealant.

| | | | | |
|---|---|---|---|---|
| 07 91 33 00-0039 | LF | 0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100) | 34.69 | 2.78 |
| 07 91 33 00-0040 | LF | 1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150) | 46.12 | 2.89 |
| 07 91 33 00-0041 | LF | 1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200) | 62.25 | 3.00 |
| 07 91 33 00-0042 | LF | 1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250) | 84.87 | 3.11 |
| 07 91 33 00-0043 | LF | 2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300) | 96.97 | 3.22 |
| 07 91 33 00-0044 | LF | 2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350) | 135.06 | 3.34 |
| 07 91 33 00-0045 | LF | 3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400) | 181.89 | 3.45 |
| 07 91 33 00-0046 | LF | 3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500) | 196.45 | 3.56 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 91 33 00-0047 | | Molded EPDM Rubber Cover, For Pedestrian Foot Traffic And Slow Speed Non-Commercial Vehicular Traffic (Wabo® SafetyFlexl) *(07 91 33 00-0001)* | | |
| 07 91 33 00-0048 | LF | 2-1/2" Minimum, 12" Maximum Joint Opening, Elastomeric Hinged Cover System for Pedestrian Walkway And Low-speed Vehicular Traffic Areas (Wabo® SafetyFlex SFP-600) | 261.00 | 9.01 |
| 07 91 33 00-0049 | | Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal) *(07 91 33 00-0001)* | | |
| | | Note: Includes epoxy adhesive. | | |
| 07 91 33 00-0050 | LF | 0.45" Minimum, 1.25" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-100) | 28.61 | |
| 07 91 33 00-0051 | LF | 0.675" Minimum, 1.875" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-150) | 31.36 | |
| 07 91 33 00-0052 | LF | 0.90" Minimum, 2.50" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-200) | 41.36 | |
| 07 91 33 00-0053 | LF | 1.125" Minimum, 3.125" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-250) | 51.46 | |
| 07 91 33 00-0054 | LF | 1.35" Minimum, 3.75" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-300) | 117.99 | |
| 07 91 33 00-0055 | LF | 1.80" Minimum, 5.00" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-400) | 155.55 | |

# 07 92 Joint Sealants *(07 90)*

## 07 92 13 Elastomeric Joint Sealants *(07 92)*

| | | | | |
|---|---|---|---|---|
| 07 92 13 00-0001 | | Silicone Sealant And Caulking *(07 92 13)* | | |
| 07 92 13 00-0002 | CLF | 1/4" x 1/4" Joint, Silicone Sealant And Caulking | 356.37 | 99.30 |
| | | *For Custom Match Coloring, Add* | *14.03* | |
| | | *For Up To 6 CLF, Add* | *19.28* | |
| | | *For >30 CLF, Deduct* | *-20.74* | |
| | | *For 1 Part Mildew Resistant, Add* | *20.46* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *11.69* | |
| 07 92 13 00-0003 | CLF | 1/4" x 3/8" Joint, Silicone Sealant And Caulking | 385.60 | 99.30 |
| | | *For Custom Match Coloring, Add* | *21.05* | |
| | | *For Up To 4 CLF, Add* | *21.47* | |
| | | *For >20 CLF, Deduct* | *-23.67* | |
| | | *For 1 Part Mildew Resistant, Add* | *30.70* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *17.54* | |
| 07 92 13 00-0004 | CLF | 1/4" x 1/2" Joint, Silicone Sealant And Caulking | 425.87 | 102.61 |
| | | *For Custom Match Coloring, Add* | *28.07* | |
| | | *For Up To 3 CLF, Add* | *24.22* | |
| | | *For >15 CLF, Deduct* | *-27.14* | |
| | | *For 1 Part Mildew Resistant, Add* | *40.93* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *23.39* | |
| 07 92 13 00-0005 | CLF | 3/8" x 3/8" Joint, Silicone Sealant And Caulking | 440.48 | 102.61 |
| | | *For Custom Match Coloring, Add* | *31.57* | |
| | | *For Up To 2.5 CLF, Add* | *25.31* | |
| | | *For >13 CLF, Deduct* | *-28.60* | |
| | | *For 1 Part Mildew Resistant, Add* | *46.04* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *26.31* | |
| 07 92 13 00-0006 | CLF | 3/8" x 1/2" Joint, Silicone Sealant And Caulking | 484.33 | 102.61 |
| | | *For Custom Match Coloring, Add* | *42.10* | |
| | | *For Up To 2 CLF, Add* | *28.60* | |
| | | *For >10 CLF, Deduct* | *-32.99* | |
| | | *For 1 Part Mildew Resistant, Add* | *61.39* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *35.08* | |
| 07 92 13 00-0007 | CLF | 3/8" x 5/8" Joint, Silicone Sealant And Caulking | 528.19 | 102.61 |
| | | *For Custom Match Coloring, Add* | *52.62* | |
| | | *For Up To 1.5 CLF, Add* | *31.89* | |
| | | *For >8 CLF, Deduct* | *-37.37* | |
| | | *For 1 Part Mildew Resistant, Add* | *76.74* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *43.85* | |
| 07 92 13 00-0008 | CLF | 3/8" x 3/4" Joint, Silicone Sealant And Caulking | 583.07 | 107.02 |
| | | *For Custom Match Coloring, Add* | *63.15* | |
| | | *For Up To 1.3 CLF, Add* | *35.73* | |
| | | *For >7 CLF, Deduct* | *-42.31* | |
| | | *For 1 Part Mildew Resistant, Add* | *92.09* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *52.62* | |
| 07 92 13 00-0009 | CLF | 1/2" x 1/2" Joint, Silicone Sealant And Caulking | 553.83 | 107.02 |
| | | *For Custom Match Coloring, Add* | *56.13* | |
| | | *For Up To 1.4 CLF, Add* | *33.54* | |
| | | *For >7.5 CLF, Deduct* | *-39.39* | |
| | | *For 1 Part Mildew Resistant, Add* | *81.85* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *46.77* | |
| 07 92 13 00-0010 | CLF | 1/2" x 5/8" Joint, Silicone Sealant And Caulking | 623.34 | 110.33 |
| | | *For Custom Match Coloring, Add* | *70.16* | |
| | | *For Up To 1.15 CLF, Add* | *38.48* | |
| | | *For >6 CLF, Deduct* | *-45.78* | |
| | | *For 1 Part Mildew Resistant, Add* | *102.32* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *58.47* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 92 13 00-0011 | CLF | 1/2" x 3/4" Joint, Silicone Sealant And Caulking | 681.81 | 110.33 |
| | | *For Custom Match Coloring, Add* | *84.19* | |
| | | *For Up To 1 CLF, Add* | *42.86* | |
| | | *For >5 CLF, Deduct* | *-51.63* | |
| | | *For 1 Part Mildew Resistant, Add* | *122.78* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *70.16* | |
| 07 92 13 00-0012 | CLF | 1/2" x 7/8" Joint, Silicone Sealant And Caulking | 751.31 | 113.64 |
| | | *For Custom Match Coloring, Add* | *98.23* | |
| | | *For Up To 0.8 CLF, Add* | *47.80* | |
| | | *For >4.5 CLF, Deduct* | *-58.03* | |
| | | *For 1 Part Mildew Resistant, Add* | *143.25* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *81.86* | |
| 07 92 13 00-0013 | CLF | 1/2" x 1" Joint, Silicone Sealant And Caulking | 820.81 | 118.05 |
| | | *For Custom Match Coloring, Add* | *112.26* | |
| | | *For Up To 0.75 CLF, Add* | *52.73* | |
| | | *For >4 CLF, Deduct* | *-64.43* | |
| | | *For 1 Part Mildew Resistant, Add* | *163.71* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *93.55* | |
| 07 92 13 00-0014 | CLF | 3/4" x 3/4" Joint, Silicone Sealant And Caulking | 890.30 | 121.36 |
| | | *For Custom Match Coloring, Add* | *126.29* | |
| | | *For Up To 0.65 CLF, Add* | *57.67* | |
| | | *For >3.5 CLF, Deduct* | *-70.83* | |
| | | *For 1 Part Mildew Resistant, Add* | *184.17* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *105.24* | |
| 07 92 13 00-0015 | CLF | 3/4" x 1" Joint, Silicone Sealant And Caulking | 1,098.82 | 132.40 |
| | | *For Custom Match Coloring, Add* | *168.39* | |
| | | *For Up To 0.5 CLF, Add* | *72.48* | |
| | | *For >2.5 CLF, Deduct* | *-90.02* | |
| | | *For 1 Part Mildew Resistant, Add* | *245.57* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *140.32* | |
| 07 92 13 00-0016 | CLF | 1" x 1" Joint, Silicone Sealant And Caulking | 1,376.82 | 146.74 |
| | | *For Custom Match Coloring, Add* | *224.52* | |
| | | *For Up To 0.4 CLF, Add* | *92.23* | |
| | | *For >2 CLF, Deduct* | *-115.62* | |
| | | *For 1 Part Mildew Resistant, Add* | *327.42* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *187.10* | |

## 07 92 13 00-0017 Acrylic/Latex Sealant And Caulking *(07 92 13)*

| | | | | |
|---|---|---|---|---|
| 07 92 13 00-0018 | CLF | 1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking | 318.41 | 99.30 |
| | | *For Up To 6 CLF, Add* | *16.43* | |
| | | *For >30 CLF, Deduct* | *-16.95* | |
| 07 92 13 00-0019 | CLF | 1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking | 328.67 | 99.30 |
| | | *For Up To 4 CLF, Add* | *17.20* | |
| | | *For >20 CLF, Deduct* | *-17.97* | |
| 07 92 13 00-0020 | CLF | 1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking | 349.96 | 102.61 |
| | | *For Up To 3 CLF, Add* | *18.52* | |
| | | *For >15 CLF, Deduct* | *-19.55* | |
| 07 92 13 00-0021 | CLF | 3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking | 355.08 | 102.61 |
| | | *For Up To 2.5 CLF, Add* | *18.91* | |
| | | *For >13 CLF, Deduct* | *-20.06* | |
| 07 92 13 00-0022 | CLF | 3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking | 370.47 | 102.61 |
| | | *For Up To 2 CLF, Add* | *20.06* | |
| | | *For >10 CLF, Deduct* | *-21.60* | |
| 07 92 13 00-0023 | CLF | 3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking | 385.85 | 102.61 |
| | | *For Up To 1.5 CLF, Add* | *21.22* | |
| | | *For >8 CLF, Deduct* | *-23.14* | |
| 07 92 13 00-0024 | CLF | 3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking | 412.27 | 107.02 |
| | | *For Up To 1.3 CLF, Add* | *22.92* | |
| | | *For >7 CLF, Deduct* | *-25.23* | |
| 07 92 13 00-0025 | CLF | 1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking | 402.01 | 107.02 |
| | | *For Up To 1.4 CLF, Add* | *22.15* | |
| | | *For >7.5 CLF, Deduct* | *-24.20* | |
| 07 92 13 00-0026 | CLF | 1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking | 433.56 | 110.33 |
| | | *For Up To 1.15 CLF, Add* | *24.24* | |
| | | *For >6 CLF, Deduct* | *-26.81* | |
| 07 92 13 00-0027 | CLF | 1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking | 454.08 | 110.33 |
| | | *For Up To 1 CLF, Add* | *25.78* | |
| | | *For >5 CLF, Deduct* | *-28.86* | |
| 07 92 13 00-0028 | CLF | 1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking | 485.62 | 113.64 |
| | | *For Up To 0.8 CLF, Add* | *27.87* | |
| | | *For >4.5 CLF, Deduct* | *-31.46* | |
| 07 92 13 00-0029 | CLF | 1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking | 517.16 | 118.05 |
| | | *For Up To 0.75 CLF, Add* | *29.96* | |
| | | *For >4 CLF, Deduct* | *-34.06* | |
| 07 92 13 00-0030 | CLF | 3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking | 548.70 | 121.36 |
| | | *For Up To 0.65 CLF, Add* | *32.05* | |
| | | *For >3.5 CLF, Deduct* | *-36.67* | |
| 07 92 13 00-0031 | CLF | 3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking | 643.35 | 132.40 |
| | | *For Up To 0.5 CLF, Add* | *38.32* | |
| | | *For >2.5 CLF, Deduct* | *-44.48* | |
| 07 92 13 00-0032 | CLF | 1" x 1" Joint, Acrylic/Latex Sealant And Caulking | 769.53 | 146.74 |
| | | *For Up To 0.4 CLF, Add* | *46.68* | |
| | | *For >2 CLF, Deduct* | *-54.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 92 13 00-0033 | | **Flexible Polysulfide Sealant And Caulking, Clear** *(07 92 13)* | | |
| | | Note: 1 or 2 part, non-sag. | | |
| 07 92 13 00-0034 | CLF | 1/4" x 1/4" Joint, Polysulfide Sealant And Caulking | 347.00 | 99.30 |
| | | *For Up To 6 CLF, Add* | *18.58* | |
| | | *For >30 CLF, Deduct* | *-19.81* | |
| 07 92 13 00-0035 | CLF | 1/4" x 3/8" Joint, Polysulfide Sealant And Caulking | 371.57 | 99.30 |
| | | *For Up To 4 CLF, Add* | *20.42* | |
| | | *For >20 CLF, Deduct* | *-22.26* | |
| 07 92 13 00-0036 | CLF | 1/4" x 1/2" Joint, Polysulfide Sealant And Caulking | 407.15 | 102.61 |
| | | *For Up To 3 CLF, Add* | *22.81* | |
| | | *For >15 CLF, Deduct* | *-25.27* | |
| 07 92 13 00-0037 | CLF | 3/8" x 3/8" Joint, Polysulfide Sealant And Caulking | 419.42 | 102.61 |
| | | *For Up To 2.5 CLF, Add* | *23.73* | |
| | | *For >13 CLF, Deduct* | *-26.50* | |
| 07 92 13 00-0038 | CLF | 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking | 456.27 | 102.61 |
| | | *For Up To 2 CLF, Add* | *26.50* | |
| | | *For >10 CLF, Deduct* | *-30.18* | |
| 07 92 13 00-0039 | CLF | 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking | 493.09 | 102.61 |
| | | *For Up To 1.5 CLF, Add* | *29.26* | |
| | | *For >8 CLF, Deduct* | *-33.86* | |
| 07 92 13 00-0040 | CLF | 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking | 540.95 | 107.02 |
| | | *For Up To 1.3 CLF, Add* | *32.57* | |
| | | *For >7 CLF, Deduct* | *-38.10* | |
| 07 92 13 00-0041 | CLF | 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking | 516.40 | 107.02 |
| | | *For Up To 1.4 CLF, Add* | *30.73* | |
| | | *For >7.5 CLF, Deduct* | *-35.64* | |
| 07 92 13 00-0042 | CLF | 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking | 576.56 | 110.33 |
| | | *For Up To 1.15 CLF, Add* | *34.97* | |
| | | *For >6 CLF, Deduct* | *-41.11* | |
| 07 92 13 00-0043 | CLF | 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking | 625.66 | 110.33 |
| | | *For Up To 1 CLF, Add* | *38.65* | |
| | | *For >5 CLF, Deduct* | *-46.02* | |
| 07 92 13 00-0044 | CLF | 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking | 685.81 | 113.64 |
| | | *For Up To 0.8 CLF, Add* | *42.89* | |
| | | *For >4.5 CLF, Deduct* | *-51.48* | |
| 07 92 13 00-0045 | CLF | 1/2" x 1" Joint, Polysulfide Sealant And Caulking | 745.94 | 118.05 |
| | | *For Up To 0.75 CLF, Add* | *47.12* | |
| | | *For >4 CLF, Deduct* | *-56.94* | |
| 07 92 13 00-0046 | CLF | 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking | 806.09 | 121.36 |
| | | *For Up To 0.65 CLF, Add* | *51.35* | |
| | | *For >3.5 CLF, Deduct* | *-62.40* | |
| 07 92 13 00-0047 | CLF | 3/4" x 1" Joint, Polysulfide Sealant And Caulking | 986.51 | 132.40 |
| | | *For Up To 0.5 CLF, Add* | *64.06* | |
| | | *For >2.5 CLF, Deduct* | *-78.79* | |
| 07 92 13 00-0048 | | **Polyurethane Sealant And Caulking** *(07 92 13)* | | |
| | | Note: 1 or 2 part, non-sag. | | |
| 07 92 13 00-0049 | CLF | 1/4" x 1/4" Joint, Polyurethane Sealant And Caulking | 342.74 | 99.30 |
| | | *For Up To 6 CLF, Add* | *18.26* | |
| | | *For >30 CLF, Deduct* | *-19.38* | |
| 07 92 13 00-0050 | CLF | 1/4" x 3/8" Joint, Polyurethane Sealant And Caulking | 365.17 | 99.30 |
| | | *For Up To 4 CLF, Add* | *19.94* | |
| | | *For >20 CLF, Deduct* | *-21.62* | |
| 07 92 13 00-0051 | CLF | 1/4" x 1/2" Joint, Polyurethane Sealant And Caulking | 398.62 | 102.61 |
| | | *For Up To 3 CLF, Add* | *22.17* | |
| | | *For >15 CLF, Deduct* | *-24.42* | |
| 07 92 13 00-0052 | CLF | 3/8" x 3/8" Joint, Polyurethane Sealant And Caulking | 409.83 | 102.61 |
| | | *For Up To 2.5 CLF, Add* | *23.01* | |
| | | *For >13 CLF, Deduct* | *-25.54* | |
| 07 92 13 00-0053 | CLF | 3/8" x 1/2" Joint, Polyurethane Sealant And Caulking | 443.46 | 102.61 |
| | | *For Up To 2 CLF, Add* | *25.54* | |
| | | *For >10 CLF, Deduct* | *-28.90* | |
| 07 92 13 00-0054 | CLF | 3/8" x 5/8" Joint, Polyurethane Sealant And Caulking | 477.09 | 102.61 |
| | | *For Up To 1.5 CLF, Add* | *28.06* | |
| | | *For >8 CLF, Deduct* | *-32.26* | |
| 07 92 13 00-0055 | CLF | 3/8" x 3/4" Joint, Polyurethane Sealant And Caulking | 521.75 | 107.02 |
| | | *For Up To 1.3 CLF, Add* | *31.13* | |
| | | *For >7 CLF, Deduct* | *-36.18* | |
| 07 92 13 00-0056 | CLF | 1/2" x 1/2" Joint, Polyurethane Sealant And Caulking | 499.33 | 107.02 |
| | | *For Up To 1.4 CLF, Add* | *29.45* | |
| | | *For >7.5 CLF, Deduct* | *-33.94* | |
| 07 92 13 00-0057 | CLF | 1/2" x 5/8" Joint, Polyurethane Sealant And Caulking | 555.22 | 110.33 |
| | | *For Up To 1.15 CLF, Add* | *33.37* | |
| | | *For >6 CLF, Deduct* | *-38.97* | |
| 07 92 13 00-0058 | CLF | 1/2" x 3/4" Joint, Polyurethane Sealant And Caulking | 600.06 | 110.33 |
| | | *For Up To 1 CLF, Add* | *36.73* | |
| | | *For >5 CLF, Deduct* | *-43.46* | |
| 07 92 13 00-0059 | CLF | 1/2" x 7/8" Joint, Polyurethane Sealant And Caulking | 655.93 | 113.64 |
| | | *For Up To 0.8 CLF, Add* | *40.64* | |
| | | *For >4.5 CLF, Deduct* | *-48.49* | |
| 07 92 13 00-0060 | CLF | 1/2" x 1" Joint, Polyurethane Sealant And Caulking | 711.81 | 118.05 |
| | | *For Up To 0.75 CLF, Add* | *44.56* | |
| | | *For >4 CLF, Deduct* | *-53.53* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 92 13 00-0061 | CLF | 3/4" x 3/4" Joint, Polyurethane Sealant And Caulking | 767.68 | 121.36 |
| | | *For Up To 0.65 CLF, Add* | *48.47* | |
| | | *For >3.5 CLF, Deduct* | *-58.56* | |
| 07 92 13 00-0062 | CLF | 3/4" x 1" Joint, Polyurethane Sealant And Caulking | 935.32 | 132.40 |
| | | *For Up To 0.5 CLF, Add* | *60.22* | |
| | | *For >2.5 CLF, Deduct* | *-73.67* | |
| **07 92 13 00-0063** | | **Flexible Polyurethane Security Sealant And Caulking** *(07 92 13)* | | |
| | | Note: 1 or 2 part, non-sag. | | |
| 07 92 13 00-0064 | CLF | 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking | 357.42 | 99.30 |
| | | *For Up To 6 CLF, Add* | *19.36* | |
| | | *For >30 CLF, Deduct* | *-20.85* | |
| 07 92 13 00-0065 | CLF | 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking | 387.18 | 99.30 |
| | | *For Up To 4 CLF, Add* | *21.59* | |
| | | *For >20 CLF, Deduct* | *-23.82* | |
| 07 92 13 00-0066 | CLF | 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking | 427.96 | 102.61 |
| | | *For Up To 3 CLF, Add* | *24.37* | |
| | | *For >15 CLF, Deduct* | *-27.35* | |
| 07 92 13 00-0067 | CLF | 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking | 442.84 | 102.61 |
| | | *For Up To 2.5 CLF, Add* | *25.49* | |
| | | *For >13 CLF, Deduct* | *-28.84* | |
| 07 92 13 00-0068 | CLF | 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking | 487.48 | 102.61 |
| | | *For Up To 2 CLF, Add* | *28.84* | |
| | | *For >10 CLF, Deduct* | *-33.30* | |
| 07 92 13 00-0069 | CLF | 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking | 532.12 | 102.61 |
| | | *For Up To 1.5 CLF, Add* | *32.19* | |
| | | *For >8 CLF, Deduct* | *-37.77* | |
| 07 92 13 00-0070 | CLF | 3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking | 587.78 | 107.02 |
| | | *For Up To 1.3 CLF, Add* | *36.08* | |
| | | *For >7 CLF, Deduct* | *-42.78* | |
| 07 92 13 00-0071 | CLF | 1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking | 558.03 | 107.02 |
| | | *For Up To 1.4 CLF, Add* | *33.85* | |
| | | *For >7.5 CLF, Deduct* | *-39.81* | |
| 07 92 13 00-0072 | CLF | 1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking | 628.58 | 110.33 |
| | | *For Up To 1.15 CLF, Add* | *38.87* | |
| | | *For >6 CLF, Deduct* | *-46.31* | |
| 07 92 13 00-0073 | CLF | 1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking | 688.10 | 110.33 |
| | | *For Up To 1 CLF, Add* | *43.33* | |
| | | *For >5 CLF, Deduct* | *-52.26* | |
| 07 92 13 00-0074 | CLF | 1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking | 758.64 | 113.64 |
| | | *For Up To 0.8 CLF, Add* | *48.35* | |
| | | *For >4.5 CLF, Deduct* | *-58.76* | |
| 07 92 13 00-0075 | CLF | 1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking | 829.19 | 118.05 |
| | | *For Up To 0.75 CLF, Add* | *53.36* | |
| | | *For >4 CLF, Deduct* | *-65.27* | |
| 07 92 13 00-0076 | CLF | 3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking | 899.74 | 121.36 |
| | | *For Up To 0.65 CLF, Add* | *58.38* | |
| | | *For >3.5 CLF, Deduct* | *-71.77* | |
| 07 92 13 00-0077 | CLF | 3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking | 1,111.40 | 132.40 |
| | | *For Up To 0.5 CLF, Add* | *73.43* | |
| | | *For >2.5 CLF, Deduct* | *-91.28* | |
| **07 92 19** | | **Acoustical Joint Sealants** *(07 92)* | | |
| **07 92 19 00-0001** | | **Acoustical Sealant** *(07 92 19)* | | |
| 07 92 19 00-0002 | CLF | 1/4" x 1/4" Joint, Acoustical Sealant | 350.53 | 99.30 |
| | | *For Custom Match Coloring, Add* | *12.63* | |
| | | *For Up To 6 CLF, Add* | *18.84* | |
| | | *For >30 CLF, Deduct* | *-20.16* | |
| | | *For 1 Part Mildew Resistant, Add* | *18.42* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *10.53* | |
| 07 92 19 00-0003 | CLF | 1/4" x 3/8" Joint, Acoustical Sealant | 370.51 | 99.30 |
| | | *For Custom Match Coloring, Add* | *17.43* | |
| | | *For Up To 4 CLF, Add* | *20.34* | |
| | | *For >20 CLF, Deduct* | *-22.16* | |
| | | *For 1 Part Mildew Resistant, Add* | *25.41* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *14.52* | |
| 07 92 19 00-0004 | CLF | 1/4" x 1/2" Joint, Acoustical Sealant | 393.32 | 102.61 |
| | | *For Custom Match Coloring, Add* | *20.25* | |
| | | *For Up To 3 CLF, Add* | *21.78* | |
| | | *For >15 CLF, Deduct* | *-23.89* | |
| | | *For 1 Part Mildew Resistant, Add* | *29.54* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *16.88* | |
| 07 92 19 00-0005 | CLF | 3/8" x 3/8" Joint, Acoustical Sealant | 426.02 | 102.61 |
| | | *For Custom Match Coloring, Add* | *28.10* | |
| | | *For Up To 2.5 CLF, Add* | *24.23* | |
| | | *For >13 CLF, Deduct* | *-27.16* | |
| | | *For 1 Part Mildew Resistant, Add* | *40.98* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *23.42* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 07 92 19 00-0006 | CLF | 3/8" x 1/2" Joint, Acoustical Sealant | 460.02 | 102.61 |
| | | *For Custom Match Coloring, Add* | *36.26* | |
| | | *For Up To 2 CLF, Add* | *26.78* | |
| | | *For >10 CLF, Deduct* | *-30.56* | |
| | | *For 1 Part Mildew Resistant, Add* | *52.88* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *30.22* | |
| 07 92 19 00-0007 | CLF | 1/2" x 1/2" Joint, Acoustical Sealant | 532.85 | 107.02 |
| | | *For Custom Match Coloring, Add* | *51.09* | |
| | | *For Up To 1.4 CLF, Add* | *31.96* | |
| | | *For >7.5 CLF, Deduct* | *-37.29* | |
| | | *For 1 Part Mildew Resistant, Add* | *74.51* | |
| | | *For High-Modulus Non-Acid Curing, Add* | *42.58* | |

# 07 95 Expansion Control *(07 90)*

## 07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

### 07 95 13 13 Interior Expansion Joint Cover Assemblies *(07 95 13)*

#### 07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies *(07 95 13 13)*

#### 07 95 13 13-0002 With 1" Space *(07 95 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 07 95 13 13-0003 | LF | 1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover | 77.68 | 6.76 |
| 07 95 13 13-0004 | LF | 1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover | 64.41 | 6.76 |
| 07 95 13 13-0005 | LF | 1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover | 96.03 | 6.76 |

#### 07 95 13 13-0006 With 2" Space *(07 95 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 07 95 13 13-0007 | LF | 2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover | 104.64 | 6.76 |
| 07 95 13 13-0008 | LF | 2" Opening Floor Assembly Type, Bronze Expansion Joint Cover | 77.96 | 6.76 |
| 07 95 13 13-0009 | LF | 2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover | 132.18 | 6.76 |

#### 07 95 13 13-0010 With 3" Space *(07 95 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 07 95 13 13-0011 | LF | 3" Opening Floor Assembly Type, Aluminum Expansion Joint Cover | 134.78 | 6.76 |
| 07 95 13 13-0012 | LF | 3" Opening Floor Assembly Type, Bronze Expansion Joint Cover | 100.09 | 6.76 |
| 07 95 13 13-0013 | LF | 3" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover | 170.57 | 6.76 |

#### 07 95 13 13-0014 With 4" Space *(07 95 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 07 95 13 13-0015 | LF | 4" Opening Floor Assembly Type, Aluminum Expansion Joint Cover | 155.00 | 6.76 |
| 07 95 13 13-0016 | LF | 4" Opening Floor Assembly Type, Bronze Expansion Joint Cover | 113.64 | 6.76 |
| 07 95 13 13-0017 | LF | 4" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover | 197.68 | 6.76 |

#### 07 95 13 13-0018 Interior Ceiling And Wall Expansion Joint Cover Assemblies *(07 95 13 13)*

#### 07 95 13 13-0019 With 1" Space *(07 95 13 13-0018)*

| | | | | |
|---|---|---|---|---|
| 07 95 13 13-0020 | LF | 1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover | 56.58 | 6.76 |
| 07 95 13 13-0021 | LF | 1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover | 56.73 | 6.76 |
| 07 95 13 13-0022 | LF | 1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover | 83.83 | 6.76 |

#### 07 95 13 13-0023 With 2" Space *(07 95 13 13-0018)*

| | | | | |
|---|---|---|---|---|
| 07 95 13 13-0024 | LF | 2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover | 72.76 | 6.76 |
| 07 95 13 13-0025 | LF | 2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover | 63.50 | 6.76 |
| 07 95 13 13-0026 | LF | 2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover | 101.90 | 6.76 |

#### 07 95 13 13-0027 With 3" Space *(07 95 13 13-0018)*

| | | | | |
|---|---|---|---|---|
| 07 95 13 13-0028 | LF | 3" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover | 85.71 | 6.76 |
| 07 95 13 13-0029 | LF | 3" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover | 73.66 | 6.76 |
| 07 95 13 13-0030 | LF | 3" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover | 123.59 | 6.76 |

#### 07 95 13 13-0031 With 4" Space *(07 95 13 13-0018)*

| | | | | |
|---|---|---|---|---|
| 07 95 13 13-0032 | LF | 4" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover | 96.49 | 6.76 |
| 07 95 13 13-0033 | LF | 4" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover | 82.13 | 6.76 |
| 07 95 13 13-0034 | LF | 4" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover | 141.66 | 6.76 |

### 07 95 13 16 Exterior Expansion Joint Cover Assemblies *(07 95 13)*

#### 07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies *(07 95 13 16)*

#### 07 95 13 16-0002 Roof To Roof *(07 95 13 16-0001)*

| | | | | |
|---|---|---|---|---|
| 07 95 13 16-0003 | LF | 1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint | 106.81 | 4.50 |
| 07 95 13 16-0004 | LF | 2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint | 129.50 | 4.50 |
| 07 95 13 16-0005 | LF | 3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint | 145.13 | 4.50 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **07 95 13 16-0006** | | **Roof To Wall** *(07 95 13 16-0001)* | | |
| 07 95 13 16-0007 | LF | 1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint | 78.38 | 4.50 |
| 07 95 13 16-0008 | LF | 2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint | 106.16 | 4.50 |
| **07 95 13 16-0009** | | **Flat Wall To Wall** *(07 95 13 16-0001)* | | |
| 07 95 13 16-0010 | LF | 1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint | 57.65 | 4.50 |
| 07 95 13 16-0011 | LF | 2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint | 74.32 | 4.50 |
| 07 95 13 16-0012 | LF | 3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint | 94.44 | 4.50 |
| **07 95 13 16-0013** | | **Corner To Flat Wall** *(07 95 13 16-0001)* | | |
| 07 95 13 16-0014 | LF | 1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint | 53.81 | 4.50 |
| 07 95 13 16-0015 | LF | 2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint | 64.92 | 4.50 |
| 07 95 13 16-0016 | LF | 3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint | 96.15 | 4.50 |
| **07 95 13 16-0017** | | **Exterior Roof Galvanized Steel Expansion Joint Cover Assemblies** *(07 95 13 16)* | | |
| **07 95 13 16-0018** | | **Roof To Roof** *(07 95 13 16-0017)* | | |
| 07 95 13 16-0019 | LF | 1" Opening Galvanized Steel Assemblies, Exterior Roof To Roof Expansion Joint | 93.60 | 4.50 |
| 07 95 13 16-0020 | LF | 2" Opening Galvanized Steel Assemblies, Exterior Roof To Roof Expansion Joint | 112.89 | 4.50 |
| 07 95 13 16-0021 | LF | 3" Opening Galvanized Steel Assemblies, Exterior Roof To Roof Expansion Joint | 126.18 | 4.50 |
| **07 95 13 16-0022** | | **Roof To Wall** *(07 95 13 16-0017)* | | |
| 07 95 13 16-0023 | LF | 1" Opening Galvanized Steel Assemblies, Exterior Roof To Wall Expansion Joint | 69.70 | 4.50 |
| 07 95 13 16-0024 | LF | 2" Opening Galvanized Steel Assemblies, Exterior Roof To Wall Expansion Joint | 93.31 | 4.50 |
| **07 95 13 16-0025** | | **Flat Wall To Wall** *(07 95 13 16-0017)* | | |
| 07 95 13 16-0026 | LF | 1" Opening Galvanized Steel Assemblies, Exterior Wall To Wall Expansion Joint | 51.82 | 4.50 |
| 07 95 13 16-0027 | LF | 2" Opening Galvanized Steel Assemblies, Exterior Wall To Wall Expansion Joint | 65.99 | 4.50 |
| 07 95 13 16-0028 | LF | 3" Opening Galvanized Steel Assemblies, Exterior Wall To Wall Expansion Joint | 83.09 | 4.50 |
| **07 95 13 16-0029** | | **Corner To Flat Wall** *(07 95 13 16-0017)* | | |
| 07 95 13 16-0030 | LF | 1" Opening Galvanized Steel Assemblies, Exterior Corner To Wall Expansion Joint | 48.81 | 4.50 |
| 07 95 13 16-0031 | LF | 2" Opening Galvanized Steel Assemblies, Exterior Corner To Wall Expansion Joint | 58.25 | 4.50 |
| 07 95 13 16-0032 | LF | 3" Opening Galvanized Steel Assemblies, Exterior Corner To Wall Expansion Joint | 84.80 | 4.50 |

**END OF SECTION 07**


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| | | **09 Finishes** | | |
| | | **09 90 Painting and Coating** *(09)* | | |
| | | Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0010 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required. | | |
| | | **09 91 Painting** *(09 90)* | | |
| | | **09 91 13 Exterior Painting** *(09 91)* | | |
| | | Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. | | |
| 09 91 13 00-0001 | | Paint Exterior Walls/Siding *(09 91 13)* | | |
| 09 91 13 00-0002 | | Paint Exterior Brick Walls *(09 91 13 00-0001)* | | |
| 09 91 13 00-0003 | SF | 1 Coat Filler, Brush Work, Paint Exterior Brick Walls | 1.02 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.59* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 13 00-0004 | SF | 1 Coat Paint, Brush Work, Paint Exterior Brick Walls | 1.43 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.44* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.60* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.87* | |
| | | *For >100 To 250, Add* | *0.42* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.21* | |
| | | *For >20,000, Deduct* | *-0.29* | |
| 09 91 13 00-0005 | SF | 2 Coats Paint, Brush Work, Paint Exterior Brick Walls | 2.14 | |
| | | *For Oil Based Paint, Add* | *0.14* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.80* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.20* | |
| | | *For >100 To 250, Add* | *0.58* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.32* | |
| | | *For >20,000, Deduct* | *-0.43* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0006 | SF | 1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls | 0.73 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.37* | |
| | | *For >100 To 250, Add* | *0.18* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| 09 91 13 00-0007 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls | 1.18 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.62* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |
| 09 91 13 00-0008 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls | 1.81 | |
| | | *For Oil Based Paint, Add* | *0.13* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.57* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.89* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.27* | |
| | | *For >20,000, Deduct* | *-0.36* | |
| 09 91 13 00-0009 | SF | 1 Coat Filler, Sprayed, Paint Exterior Brick Walls | 0.74 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.35* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| 09 91 13 00-0010 | SF | 1 Coat Paint, Sprayed, Paint Exterior Brick Walls | 0.79 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.05* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.30* | |
| | | *For >100 To 250, Add* | *0.16* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0011 | SF | 2 Coats Paint, Sprayed, Paint Exterior Brick Walls | 1.63 | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.73* | |
| | | *For >100 To 250, Add* | *0.37* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.24* | |
| | | *For >20,000, Deduct* | *-0.33* | |
| 09 91 13 00-0012 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls | 0.24 | |
| | | *For Oil Based Paint, Add* | *0.02* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.05* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.14* | |
| | | *For >100 To 250, Add* | *0.07* | |
| | | *For >250 To 500, Add* | *0.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.04* | |
| | | *For >20,000, Deduct* | *-0.05* | |

## 09 91 13 00-0013 Paint Exterior Concrete Walls *(09 91 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0014 | SF | 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls | 0.87 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Epoxy Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 91 13 00-0015 | SF | 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls | 0.91 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 250, Add* | *0.27* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0016 | SF | 2 Coats Paint, Brush Work, Paint Exterior Concrete Walls | 1.73 | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Epoxy Paint, Add* | *0.20* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.54* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.74* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.06* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.26* | |
| | | *For >20,000, Deduct* | *-0.35* | |
| 09 91 13 00-0017 | SF | 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls | 0.72 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.40* | |
| | | *For >100 To 250, Add* | *0.19* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| 09 91 13 00-0018 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls | 0.78 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.47* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 91 13 00-0019 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls | 1.34 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Epoxy Paint, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.52* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.77* | |
| | | *For >100 To 250, Add* | *0.37* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.27* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0020 | SF | 1 Coat Filler, Sprayed, Paint Exterior Concrete Walls | 0.66 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.32* | |
| | | *For >100 To 250, Add* | *0.16* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.13* | |
| 09 91 13 00-0021 | SF | 1 Coat Paint, Sprayed, Paint Exterior Concrete Walls | 0.60 | |
| | | *For Oil Based Paint, Add* | *0.04* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.05* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.31* | |
| | | *For >100 To 250, Add* | *0.15* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.09* | |
| | | *For >20,000, Deduct* | *-0.12* | |
| 09 91 13 00-0022 | SF | 2 Coats Paint, Sprayed, Paint Exterior Concrete Walls | 1.06 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Epoxy Paint, Add* | *0.20* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 13 00-0023 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls | 0.15 | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Epoxy Paint, Add* | *0.02* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.05* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.09* | |
| | | *For >100 To 250, Add* | *0.05* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.02* | |
| | | *For >20,000, Deduct* | *-0.03* | |

09 91 13 00-0024 Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0024)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0026 | LF | 1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls | 0.22 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.12* | |
| | | *For >100 To 250, Add* | *0.06* | |
| | | *For >250 To 500, Add* | *0.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.04* | |
| 09 91 13 00-0027 | SF | 1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls | 1.25 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.67* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.25* | |
| 09 91 13 00-0028 | SF | 1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls | 1.41 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.39* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.53* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.79* | |
| | | *For >100 To 250, Add* | *0.38* | |
| | | *For >250 To 500, Add* | *0.17* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.21* | |
| | | *For >20,000, Deduct* | *-0.28* | |
| 09 91 13 00-0029 | SF | 2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls | 2.50 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.65* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.90* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.35* | |
| | | *For >100 To 250, Add* | *0.66* | |
| | | *For >250 To 500, Add* | *0.29* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.25* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.38* | |
| | | *For >20,000, Deduct* | *-0.50* | |
| 09 91 13 00-0030 | SF | 1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls | 1.06 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.53* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0031 | SF | 1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls | 1.16 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.61* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| 09 91 13 00-0032 | SF | 2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls | 2.08 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.48* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.67* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.04* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.31* | |
| | | *For >20,000, Deduct* | *-0.42* | |
| 09 91 13 00-0033 | SF | 1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls | 0.92 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.37* | |
| | | *For >100 To 250, Add* | *0.19* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| 09 91 13 00-0034 | SF | 1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls | 1.00 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.43* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 13 00-0035 | SF | 2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls | 1.98 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.81* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.30* | |
| | | *For >20,000, Deduct* | *-0.40* | |

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0024)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0037 | SF | 1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls | 1.10 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| 09 91 13 00-0038 | SF | 1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls | 1.33 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.52* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.76* | |
| | | *For >100 To 250, Add* | *0.37* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.27* | |
| 09 91 13 00-0039 | SF | 2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls | 2.46 | |
| | | *For Oil Based Paint, Add* | *0.16* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.67* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.92* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.38* | |
| | | *For >100 To 250, Add* | *0.67* | |
| | | *For >250 To 500, Add* | *0.29* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.25* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.37* | |
| | | *For >20,000, Deduct* | *-0.49* | |
| 09 91 13 00-0040 | SF | 1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls | 1.49 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.85* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.22* | |
| | | *For >20,000, Deduct* | *-0.30* | |
| 09 91 13 00-0041 | SF | 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls | 0.90 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.50* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0042 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls | 1.15 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.63* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| 09 91 13 00-0043 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls | 2.03 | |
| | | *For Oil Based Paint, Add* | *0.14* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.69* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.05* | |
| | | *For >100 To 250, Add* | *0.52* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.30* | |
| | | *For >20,000, Deduct* | *-0.41* | |
| 09 91 13 00-0044 | SF | 1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls | 1.29 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.70* | |
| | | *For >100 To 250, Add* | *0.34* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 13 00-0045 | SF | 1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls | 0.92 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| 09 91 13 00-0046 | SF | 1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls | 0.99 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.45* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0047 | SF | 2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls | 1.49 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.76* | |
| | | *For >100 To 250, Add* | *0.37* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.22* | |
| | | *For >20,000, Deduct* | *-0.30* | |
| 09 91 13 00-0048 | SF | 1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls | 1.26 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.25* | |
| 09 91 13 00-0049 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls | 0.21 | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.12* | |
| | | *For >100 To 250, Add* | *0.06* | |
| | | *For >250 To 500, Add* | *0.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.04* | |

## 09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls *(09 91 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0051 | SF | 1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall | 0.89 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Orange Peel Finish, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.52* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| | | *For Epoxy Paint, Add* | *0.12* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0052 | SF | 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls | 0.94 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Orange Peel Finish, Add* | *0.13* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.59* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| 09 91 13 00-0053 | SF | 2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls | 1.74 | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Orange Peel Finish, Add* | *0.24* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.54* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.74* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.07* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.26* | |
| | | *For >20,000, Deduct* | *-0.35* | |
| | | *For Epoxy Paint, Add* | *0.20* | |
| 09 91 13 00-0054 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls | 0.72 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Orange Peel Finish, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.40* | |
| | | *For >100 To 250, Add* | *0.19* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| 09 91 13 00-0055 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls | 0.70 | |
| | | *For Oil Based Paint, Add* | *0.04* | |
| | | *For Orange Peel Finish, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.41* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| | | *For Epoxy Paint, Add* | *0.09* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0056 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls | 1.32 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Orange Peel Finish, Add* | *0.17* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.76* | |
| | | *For >100 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| | | *For Epoxy Paint, Add* | *0.18* | |
| 09 91 13 00-0057 | SF | 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls | 0.66 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.32* | |
| | | *For >100 To 250, Add* | *0.16* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.13* | |
| | | *For Epoxy Paint, Add* | *0.12* | |
| 09 91 13 00-0058 | SF | 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls | 0.68 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.37* | |
| | | *For >100 To 250, Add* | *0.18* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| 09 91 13 00-0059 | SF | 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls | 1.15 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| | | *For Epoxy Paint, Add* | *0.20* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0060 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls | 0.15 | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.05* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.09* | |
| | | *For >100 To 250, Add* | *0.05* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.02* | |
| | | *For >20,000, Deduct* | *-0.03* | |
| | | *For Epoxy Paint, Add* | *0.02* | |

## 09 91 13 00-0061 Paint Exterior Metal Walls *(09 91 13 00-0001)*

## 09 91 13 00-0062 Paint Exterior Galvanized Walls *(09 91 13 00-0061)*

Note: Linseed oil or acrylic latex paint.

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0063 | SF | 1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces | 1.11 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| 09 91 13 00-0064 | SF | 1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces | 1.21 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.68* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |
| 09 91 13 00-0065 | SF | 2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces | 2.24 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.80* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.21* | |
| | | *For >100 To 250, Add* | *0.59* | |
| | | *For >250 To 500, Add* | *0.26* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.34* | |
| | | *For >20,000, Deduct* | *-0.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0066 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls | 0.85 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.45* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 91 13 00-0067 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls | 0.96 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.52* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 13 00-0068 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls | 1.81 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.63* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.96* | |
| | | *For >100 To 250, Add* | *0.47* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.27* | |
| | | *For >20,000, Deduct* | *-0.36* | |
| 09 91 13 00-0069 | SF | 1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls | 0.77 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.05* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.31* | |
| | | *For >100 To 250, Add* | *0.16* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| 09 91 13 00-0070 | SF | 1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls | 0.97 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0071 | SF | 2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls | 1.68 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.73* | |
| | | *For >100 To 250, Add* | *0.37* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.25* | |
| | | *For >20,000, Deduct* | *-0.34* | |
| 09 91 13 00-0072 | | Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0061)* | | |
| | | Note: Alkyd enamel paint. | | |
| 09 91 13 00-0073 | SF | 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces | 1.11 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| 09 91 13 00-0074 | SF | 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces | 1.21 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.68* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |
| 09 91 13 00-0075 | SF | 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces | 2.22 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.80* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.21* | |
| | | *For >100 To 250, Add* | *0.59* | |
| | | *For >250 To 500, Add* | *0.26* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.33* | |
| | | *For >20,000, Deduct* | *-0.44* | |
| 09 91 13 00-0076 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls | 0.96 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.19* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0077 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls | 1.07 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.54* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 13 00-0078 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls | 2.04 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.63* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.00* | |
| | | *For >100 To 250, Add* | *0.49* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.31* | |
| | | *For >20,000, Deduct* | *-0.41* | |
| 09 91 13 00-0079 | SF | 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls | 0.83 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.36* | |
| | | *For >100 To 250, Add* | *0.18* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 91 13 00-0080 | SF | 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls | 0.97 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 13 00-0081 | SF | 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls | 1.68 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.73* | |
| | | *For >100 To 250, Add* | *0.37* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.25* | |
| | | *For >20,000, Deduct* | *-0.34* | |

09 91 13 00-0082 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0061)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0083 | LF | 1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack | 14.04 | |
| | | *For Work >15' To 20' Above Floor, Add* | *1.77* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *2.96* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *4.73* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *6.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *9.20* | |
| | | *For >100 To 250, Add* | *4.36* | |
| | | *For >250 To 500, Add* | *1.89* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.70* | |
| | | *For >5,000 To 10,000, Deduct* | *-1.40* | |
| | | *For >10,000 To 20,000, Deduct* | *-2.11* | |
| | | *For >20,000, Deduct* | *-2.81* | |
| 09 91 13 00-0084 | LF | 1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack | 15.63 | |
| | | *For Work >15' To 20' Above Floor, Add* | *1.97* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *3.29* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *5.26* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *7.23* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *10.23* | |
| | | *For >100 To 250, Add* | *4.85* | |
| | | *For >250 To 500, Add* | *2.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.78* | |
| | | *For >5,000 To 10,000, Deduct* | *-1.56* | |
| | | *For >10,000 To 20,000, Deduct* | *-2.34* | |
| | | *For >20,000, Deduct* | *-3.13* | |
| 09 91 13 00-0085 | LF | 2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack | 29.13 | |
| | | *For Work >15' To 20' Above Floor, Add* | *3.71* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *6.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *9.88* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *13.59* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *19.19* | |
| | | *For >100 To 250, Add* | *9.09* | |
| | | *For >250 To 500, Add* | *3.93* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.46* | |
| | | *For >5,000 To 10,000, Deduct* | *-2.91* | |
| | | *For >10,000 To 20,000, Deduct* | *-4.37* | |
| | | *For >20,000, Deduct* | *-5.83* | |

## 09 91 13 00-0086 Paint Exterior Corrugated Metal Walls *(09 91 13 00-0061)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0087 | SF | 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls | 0.95 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.41* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 13 00-0088 | SF | 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls | 1.21 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.39* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0089 | SF | 2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls | 2.08 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.95* | |
| | | *For >100 To 250, Add* | *0.47* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.31* | |
| | | *For >20,000, Deduct* | *-0.42* | |

## 09 91 13 00-0090 Paint Exterior Stucco Walls *(09 91 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0091 | SF | 1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces | 1.44 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.63* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.91* | |
| | | *For >100 To 250, Add* | *0.43* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.22* | |
| | | *For >20,000, Deduct* | *-0.29* | |
| 09 91 13 00-0092 | SF | 1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces | 1.59 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.69* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.99* | |
| | | *For >100 To 250, Add* | *0.47* | |
| | | *For >250 To 500, Add* | *0.20* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.24* | |
| | | *For >20,000, Deduct* | *-0.32* | |
| 09 91 13 00-0093 | SF | 2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces | 2.97 | |
| | | *For Oil Based Paint, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.57* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.92* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.26* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.82* | |
| | | *For >100 To 250, Add* | *0.87* | |
| | | *For >250 To 500, Add* | *0.38* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.15* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.30* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.45* | |
| | | *For >20,000, Deduct* | *-0.59* | |
| 09 91 13 00-0094 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls | 1.12 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.67* | |
| | | *For >100 To 250, Add* | *0.32* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.22* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0095 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls | 1.27 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.25* | |
| 09 91 13 00-0096 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls | 2.36 | |
| | | *For Oil Based Paint, Add* | *0.15* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.67* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.92* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.36* | |
| | | *For >100 To 250, Add* | *0.66* | |
| | | *For >250 To 500, Add* | *0.29* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.24* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.35* | |
| | | *For >20,000, Deduct* | *-0.47* | |
| 09 91 13 00-0097 | SF | 1 Coat Primer, Sprayed, Paint Exterior Stucco Walls | 0.89 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| 09 91 13 00-0098 | SF | 1 Coat Paint, Sprayed, Paint Exterior Stucco Walls | 1.11 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| 09 91 13 00-0099 | SF | 2 Coats Paint, Sprayed, Paint Exterior Stucco Walls | 2.10 | |
| | | *For Oil Based Paint, Add* | *0.14* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.53* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.73* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.11* | |
| | | *For >100 To 250, Add* | *0.54* | |
| | | *For >250 To 500, Add* | *0.24* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.32* | |
| | | *For >20,000, Deduct* | *-0.42* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0100 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces | 0.27 | |
| | | *For Oil Based Paint, Add* | *0.02* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.05* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.17* | |
| | | *For >100 To 250, Add* | *0.08* | |
| | | *For >250 To 500, Add* | *0.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.03* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.04* | |
| | | *For >20,000, Deduct* | *-0.05* | |

## 09 91 13 00-0101 Paint Exterior Wood Siding *(09 91 13 00-0001)*

## 09 91 13 00-0102 Paint Exterior Smooth Wood Siding *(09 91 13 00-0101)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0103 | SF | 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding | 1.25 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.73* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.25* | |
| 09 91 13 00-0104 | SF | 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding | 1.30 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.56* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.80* | |
| | | *For >100 To 250, Add* | *0.38* | |
| | | *For >250 To 500, Add* | *0.17* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 13 00-0105 | SF | 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding | 2.34 | |
| | | *For Oil Based Paint, Add* | *0.15* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.44* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.70* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.97* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.41* | |
| | | *For >100 To 250, Add* | *0.67* | |
| | | *For >250 To 500, Add* | *0.29* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.23* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.35* | |
| | | *For >20,000, Deduct* | *-0.47* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0106 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding | 1.02 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.53* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 13 00-0107 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding | 1.09 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.61* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| 09 91 13 00-0108 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding | 2.06 | |
| | | *For Oil Based Paint, Add* | *0.14* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.55* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.76* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.14* | |
| | | *For >100 To 250, Add* | *0.55* | |
| | | *For >250 To 500, Add* | *0.24* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.31* | |
| | | *For >20,000, Deduct* | *-0.41* | |
| 09 91 13 00-0109 | SF | 1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding | 0.87 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.42* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 91 13 00-0110 | SF | 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding | 1.02 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.53* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0111 | SF | 2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding | 1.67 | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.52* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.81* | |
| | | *For >100 To 250, Add* | *0.40* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.25* | |
| | | *For >20,000, Deduct* | *-0.33* | |
| 09 91 13 00-0112 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding | 0.21 | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.13* | |
| | | *For >100 To 250, Add* | *0.06* | |
| | | *For >250 To 500, Add* | *0.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.04* | |

## 09 91 13 00-0113 Paint Exterior Rough Wood Siding *(09 91 13 00-0101)*

Note: Includes shingles, shakes or rough sawn siding.

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0114 | SF | 1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding | 1.65 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.69* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.00* | |
| | | *For >100 To 250, Add* | *0.48* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.25* | |
| | | *For >20,000, Deduct* | *-0.33* | |
| 09 91 13 00-0115 | SF | 1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding | 1.61 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.53* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.73* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.03* | |
| | | *For >100 To 250, Add* | *0.49* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.24* | |
| | | *For >20,000, Deduct* | *-0.32* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0116 | SF | 2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding | 2.99 | |
| | | *For Oil Based Paint, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.60* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.96* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.33* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.89* | |
| | | *For >100 To 250, Add* | *0.90* | |
| | | *For >250 To 500, Add* | *0.39* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.15* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.30* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.45* | |
| | | *For >20,000, Deduct* | *-0.60* | |
| 09 91 13 00-0117 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) | 1.56 | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.79* | |
| | | *For >100 To 250, Add* | *0.39* | |
| | | *For >250 To 500, Add* | *0.17* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.23* | |
| | | *For >20,000, Deduct* | *-0.31* | |
| 09 91 13 00-0118 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) | 1.68 | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.88* | |
| | | *For >100 To 250, Add* | *0.43* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.25* | |
| | | *For >20,000, Deduct* | *-0.34* | |
| 09 91 13 00-0119 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) | 3.14 | |
| | | *For Oil Based Paint, Add* | *0.22* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.75* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.03* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.60* | |
| | | *For >100 To 250, Add* | *0.78* | |
| | | *For >250 To 500, Add* | *0.35* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.16* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.31* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.47* | |
| | | *For >20,000, Deduct* | *-0.63* | |
| 09 91 13 00-0120 | SF | 1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) | 1.19 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0121 | SF | 1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) | 1.32 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.67* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 13 00-0122 | SF | 2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) | 2.52 | |
| | | *For Oil Based Paint, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.80* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.25* | |
| | | *For >100 To 250, Add* | *0.61* | |
| | | *For >250 To 500, Add* | *0.27* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.25* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.38* | |
| | | *For >20,000, Deduct* | *-0.50* | |

## 09 91 13 00-0123 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0124 | SF | 1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding | 0.97 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.52* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 13 00-0125 | SF | 1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding | 1.05 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.39* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.58* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0126 | SF | 2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding | 1.98 | |
| | | *For Oil Based Paint, Add* | *0.14* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.69* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.05* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.30* | |
| | | *For >20,000, Deduct* | *-0.40* | |
| 09 91 13 00-0127 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding | 0.91 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.45* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| 09 91 13 00-0128 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding | 0.91 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.45* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| 09 91 13 00-0129 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding | 1.71 | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.81* | |
| | | *For >100 To 250, Add* | *0.40* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.26* | |
| | | *For >20,000, Deduct* | *-0.34* | |
| 09 91 13 00-0130 | SF | 1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding | 0.87 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.36* | |
| | | *For >100 To 250, Add* | *0.18* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0131 | SF | 1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding | 1.02 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.39* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 13 00-0132 | SF | 2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding | 2.00 | |
| | | *For Oil Based Paint, Add* | *0.16* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.77* | |
| | | *For >100 To 250, Add* | *0.40* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.30* | |
| | | *For >20,000, Deduct* | *-0.40* | |
| 09 91 13 00-0133 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding | 0.18 | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.05* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.10* | |
| | | *For >100 To 250, Add* | *0.05* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.04* | |

09 91 13 00-0134 Paint Exterior Ceilings *(09 91 13)*

09 91 13 00-0135 Paint Exterior Concrete Ceilings *(09 91 13 00-0134)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0136 | SF | 1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling | 0.97 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Epoxy Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.58* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0137 | SF | 1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling | 1.02 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 13 00-0138 | SF | 2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling | 1.85 | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Epoxy Paint, Add* | *0.21* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.80* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.15* | |
| | | *For >100 To 250, Add* | *0.55* | |
| | | *For >250 To 500, Add* | *0.24* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.28* | |
| | | *For >20,000, Deduct* | *-0.37* | |
| 09 91 13 00-0139 | SF | 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling | 0.77 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.43* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| 09 91 13 00-0140 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling | 0.82 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.50* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0141 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling | 1.54 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Epoxy Paint, Add* | *0.19* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.63* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.92* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.23* | |
| | | *For >20,000, Deduct* | *-0.31* | |
| 09 91 13 00-0142 | SF | 1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling | 0.68 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.34* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| 09 91 13 00-0143 | SF | 1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling | 0.77 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.43* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| 09 91 13 00-0144 | SF | 2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling | 1.27 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Epoxy Paint, Add* | *0.21* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.66* | |
| | | *For >100 To 250, Add* | *0.32* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.25* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0145 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling | 0.17 | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Epoxy Paint, Add* | *0.02* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.11* | |
| | | *For >100 To 250, Add* | *0.05* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.03* | |

## 09 91 13 00-0146 Drywall/Plaster *(09 91 13 00-0134)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0147 | SF | 1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling | 0.97 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Orange Peel Finish, Add* | *0.13* | |
| | | *For Epoxy Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.58* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| | | *For Epoxy Paint, Add* | *0.12* | |
| 09 91 13 00-0148 | SF | 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling | 1.03 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Orange Peel Finish, Add* | *0.14* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.66* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| 09 91 13 00-0149 | SF | 2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling | 1.85 | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Orange Peel Finish, Add* | *0.25* | |
| | | *For Epoxy Paint, Add* | *0.21* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.80* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.15* | |
| | | *For >100 To 250, Add* | *0.55* | |
| | | *For >250 To 500, Add* | *0.24* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.28* | |
| | | *For >20,000, Deduct* | *-0.37* | |
| | | *For Epoxy Paint, Add* | *0.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0150 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling | 0.75 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Orange Peel Finish, Add* | *0.10* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.42* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| 09 91 13 00-0151 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling | 0.82 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Orange Peel Finish, Add* | *0.11* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.50* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| 09 91 13 00-0152 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling | 1.54 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Orange Peel Finish, Add* | *0.21* | |
| | | *For Epoxy Paint, Add* | *0.19* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.63* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.92* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.23* | |
| | | *For >20,000, Deduct* | *-0.31* | |
| | | *For Epoxy Paint, Add* | *0.19* | |
| 09 91 13 00-0153 | SF | 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling | 0.68 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.34* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| | | *For Epoxy Paint, Add* | *0.12* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0154 | SF | 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling | 0.77 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.43* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| 09 91 13 00-0155 | SF | 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling | 1.27 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Epoxy Paint, Add* | *0.21* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.66* | |
| | | *For >100 To 250, Add* | *0.32* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.25* | |
| | | *For Epoxy Paint, Add* | *0.21* | |
| 09 91 13 00-0156 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling | 0.17 | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Epoxy Paint, Add* | *0.02* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.11* | |
| | | *For >100 To 250, Add* | *0.05* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.03* | |
| | | *For Epoxy Paint, Add* | *0.02* | |

## 09 91 13 00-0157 Paint Exterior Wood Ceilings *(09 91 13 00-0134)*

## 09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0157)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0159 | SF | 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling | 1.21 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.48* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.70* | |
| | | *For >100 To 250, Add* | *0.34* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0160 | SF | 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling | 1.23 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.52* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.25* | |
| 09 91 13 00-0161 | SF | 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling | 2.26 | |
| | | *For Oil Based Paint, Add* | *0.14* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.67* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.92* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.35* | |
| | | *For >100 To 250, Add* | *0.65* | |
| | | *For >250 To 500, Add* | *0.28* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.23* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.34* | |
| | | *For >20,000, Deduct* | *-0.45* | |
| 09 91 13 00-0162 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling | 1.02 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.53* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 13 00-0163 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling | 1.07 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 13 00-0164 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling | 1.93 | |
| | | *For Oil Based Paint, Add* | *0.13* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.69* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.04* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.39* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0165 | SF | 1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling | 0.82 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 91 13 00-0166 | SF | 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling | 0.82 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 91 13 00-0167 | SF | 2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling | 1.50 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.78* | |
| | | *For >100 To 250, Add* | *0.38* | |
| | | *For >250 To 500, Add* | *0.17* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.23* | |
| | | *For >20,000, Deduct* | *-0.30* | |
| 09 91 13 00-0168 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling | 0.20 | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.12* | |
| | | *For >100 To 250, Add* | *0.06* | |
| | | *For >250 To 500, Add* | *0.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.04* | |

09 91 13 00-0169 Paint Exterior Rough Wood Ceilings *(09 91 13 00-0157)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0170 | SF | 1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling | 1.79 | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.52* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.72* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.05* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.27* | |
| | | *For >20,000, Deduct* | *-0.36* | |
| 09 91 13 00-0171 | SF | 1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling | 1.76 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.59* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.81* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.15* | |
| | | *For >100 To 250, Add* | *0.54* | |
| | | *For >250 To 500, Add* | *0.24* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.26* | |
| | | *For >20,000, Deduct* | *-0.35* | |
| 09 91 13 00-0172 | SF | 2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling | 3.09 | |
| | | *For Oil Based Paint, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.63* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *1.00* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.38* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.97* | |
| | | *For >100 To 250, Add* | *0.94* | |
| | | *For >250 To 500, Add* | *0.41* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.15* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.31* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.46* | |
| | | *For >20,000, Deduct* | *-0.62* | |
| 09 91 13 00-0173 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling | 1.68 | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.88* | |
| | | *For >100 To 250, Add* | *0.43* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.25* | |
| | | *For >20,000, Deduct* | *-0.34* | |
| 09 91 13 00-0174 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling | 1.78 | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.63* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.96* | |
| | | *For >100 To 250, Add* | *0.47* | |
| | | *For >250 To 500, Add* | *0.20* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.27* | |
| | | *For >20,000, Deduct* | *-0.36* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0175 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling | 3.24 | |
| | | *For Oil Based Paint, Add* | *0.23* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.79* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.09* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.67* | |
| | | *For >100 To 250, Add* | *0.82* | |
| | | *For >250 To 500, Add* | *0.36* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.16* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.32* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.49* | |
| | | *For >20,000, Deduct* | *-0.65* | |
| 09 91 13 00-0176 | SF | 1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling | 1.31 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.66* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 13 00-0177 | SF | 1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling | 1.45 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.77* | |
| | | *For >100 To 250, Add* | *0.38* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.22* | |
| | | *For >20,000, Deduct* | *-0.29* | |
| 09 91 13 00-0178 | SF | 2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling | 2.66 | |
| | | *For Oil Based Paint, Add* | *0.19* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.64* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.87* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.35* | |
| | | *For >100 To 250, Add* | *0.66* | |
| | | *For >250 To 500, Add* | *0.29* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.27* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.40* | |
| | | *For >20,000, Deduct* | *-0.53* | |

09 91 13 00-0179 Paint Exterior Metal Ceilings *(09 91 13 00-0134)*

09 91 13 00-0180 Paint Exterior Galvanized Ceilings *(09 91 13 00-0179)*
Note: Linseed oil or acrylic latex paint.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0181 | SF | 1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling | 1.21 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.68* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |
| 09 91 13 00-0182 | SF | 1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling | 1.32 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.52* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.76* | |
| | | *For >100 To 250, Add* | *0.37* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 13 00-0183 | SF | 2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling | 2.44 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.67* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.92* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.37* | |
| | | *For >100 To 250, Add* | *0.66* | |
| | | *For >250 To 500, Add* | *0.29* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.24* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.37* | |
| | | *For >20,000, Deduct* | *-0.49* | |
| 09 91 13 00-0184 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling | 0.95 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.52* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 13 00-0185 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling | 1.05 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0186 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling | 1.88 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.69* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.03* | |
| | | *For >100 To 250, Add* | *0.50* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.28* | |
| | | *For >20,000, Deduct* | *-0.38* | |
| 09 91 13 00-0187 | SF | 1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling | 0.97 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 13 00-0188 | SF | 1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling | 1.08 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.55* | |
| | | *For >100 To 250, Add* | *0.27* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| 09 91 13 00-0189 | SF | 2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling | 1.81 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.82* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.27* | |
| | | *For >20,000, Deduct* | *-0.36* | |

## 09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0179)*

Note: Alkyd enamel paint.

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0191 | SF | 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling | 1.21 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.68* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0192 | SF | 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling | 1.32 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.52* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.76* | |
| | | *For >100 To 250, Add* | *0.37* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 13 00-0193 | SF | 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling | 2.44 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.67* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.92* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.37* | |
| | | *For >100 To 250, Add* | *0.66* | |
| | | *For >250 To 500, Add* | *0.29* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.24* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.37* | |
| | | *For >20,000, Deduct* | *-0.49* | |
| 09 91 13 00-0194 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling | 1.07 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.54* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 13 00-0195 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling | 1.17 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.61* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| 09 91 13 00-0196 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling | 2.14 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.69* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.07* | |
| | | *For >100 To 250, Add* | *0.53* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.32* | |
| | | *For >20,000, Deduct* | *-0.43* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0197 | SF | 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling | 0.97 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 13 00-0198 | SF | 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling | 0.97 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 13 00-0199 | SF | 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling | 1.81 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.82* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.27* | |
| | | *For >20,000, Deduct* | *-0.36* | |

## 09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0179)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0201 | SF | 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling | 1.07 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.50* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 13 00-0202 | SF | 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling | 1.21 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.39* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0203 | SF | 2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling | 2.24 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.49* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.67* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.07* | |
| | | *For >100 To 250, Add* | *0.53* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.34* | |
| | | *For >20,000, Deduct* | *-0.45* | |

## 09 91 13 00-0204 Paint Exterior Floors *(09 91 13)*

## 09 91 13 00-0205 Paint Exterior Concrete Floors *(09 91 13 00-0204)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0206 | SF | 1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks | 0.76 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Up To 100, Add* | *0.43* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| 09 91 13 00-0207 | SF | 1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks | 0.82 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Up To 100, Add* | *0.50* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 91 13 00-0208 | SF | 2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks | 1.54 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Epoxy Paint, Add* | *0.19* | |
| | | *For Up To 100, Add* | *0.92* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.23* | |
| | | *For >20,000, Deduct* | *-0.31* | |
| 09 91 13 00-0209 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks | 0.65 | |
| | | *For Oil Based Paint, Add* | *0.04* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Up To 100, Add* | *0.34* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.13* | |
| 09 91 13 00-0210 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks | 0.71 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Up To 100, Add* | *0.42* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| 09 91 13 00-0211 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks | 1.20 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Epoxy Paint, Add* | *0.18* | |
| | | *For Up To 100, Add* | *0.67* | |
| | | *For >100 To 250, Add* | *0.32* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0212 | SF | 1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks | 0.55 | |
| | | *For Oil Based Paint, Add* | *0.04* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Up To 100, Add* | *0.24* | |
| | | *For >100 To 250, Add* | *0.12* | |
| | | *For >250 To 500, Add* | *0.05* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.08* | |
| | | *For >20,000, Deduct* | *-0.11* | |
| 09 91 13 00-0213 | SF | 1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks | 0.63 | |
| | | *For Oil Based Paint, Add* | *0.04* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Up To 100, Add* | *0.33* | |
| | | *For >100 To 250, Add* | *0.16* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.09* | |
| | | *For >20,000, Deduct* | *-0.13* | |
| 09 91 13 00-0214 | SF | 2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks | 1.14 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Epoxy Paint, Add* | *0.20* | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| 09 91 13 00-0215 | SF | 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks | 2.16 | |
| | | *For Up To 100, Add* | *0.64* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.32* | |
| | | *For >20,000, Deduct* | *-0.43* | |
| 09 91 13 00-0216 | SF | 1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks | 5.33 | |
| | | *For Up To 100, Add* | *1.11* | |
| | | *For >100 To 250, Add* | *0.66* | |
| | | *For >250 To 500, Add* | *0.32* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.27* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.53* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.80* | |
| | | *For >20,000, Deduct* | *-1.07* | |
| 09 91 13 00-0217 | SF | 1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks | 6.65 | |
| | | *For Up To 100, Add* | *1.31* | |
| | | *For >100 To 250, Add* | *0.80* | |
| | | *For >250 To 500, Add* | *0.38* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.33* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.67* | |
| | | *For >10,000 To 20,000, Deduct* | *-1.00* | |
| | | *For >20,000, Deduct* | *-1.33* | |
| 09 91 13 00-0218 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks | 0.13 | |
| | | *For Up To 100, Add* | *0.08* | |
| | | *For >100 To 250, Add* | *0.04* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.01* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.02* | |
| | | *For >20,000, Deduct* | *-0.03* | |

## 09 91 13 00-0219 Paint Exterior Wood Floors *(09 91 13 00-0204)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0220 | SF | 1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks | 0.97 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Up To 100, Add* | *0.52* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 13 00-0221 | SF | 1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks | 1.02 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Up To 100, Add* | *0.59* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0222 | SF | 2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks | 1.93 | |
| | | *For Oil Based Paint, Add* | *0.13* | |
| | | *For Up To 100, Add* | *1.10* | |
| | | *For >100 To 250, Add* | *0.53* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.39* | |
| 09 91 13 00-0223 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks | 0.92 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| 09 91 13 00-0224 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks | 0.97 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Up To 100, Add* | *0.52* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 13 00-0225 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks | 1.62 | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| | | *For Up To 100, Add* | *0.81* | |
| | | *For >100 To 250, Add* | *0.40* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.24* | |
| | | *For >20,000, Deduct* | *-0.32* | |
| 09 91 13 00-0226 | SF | 1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks | 0.68 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Up To 100, Add* | *0.34* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| 09 91 13 00-0227 | SF | 1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks | 0.82 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 91 13 00-0228 | SF | 2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks | 1.37 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Up To 100, Add* | *0.68* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.21* | |
| | | *For >20,000, Deduct* | *-0.27* | |
| 09 91 13 00-0229 | SF | 1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks | 2.27 | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 250, Add* | *0.38* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.23* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.34* | |
| | | *For >20,000, Deduct* | *-0.45* | |
| 09 91 13 00-0230 | SF | 1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks | 6.76 | |
| | | *For Up To 100, Add* | *1.39* | |
| | | *For >100 To 250, Add* | *0.83* | |
| | | *For >250 To 500, Add* | *0.40* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.34* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.68* | |
| | | *For >10,000 To 20,000, Deduct* | *-1.01* | |
| | | *For >20,000, Deduct* | *-1.35* | |
| 09 91 13 00-0231 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks | 0.17 | |
| | | *For Up To 100, Add* | *0.10* | |
| | | *For >100 To 250, Add* | *0.05* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.03* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0232 | | **Paint Exterior Doors And Windows** *(09 91 13)* | | |
| 09 91 13 00-0233 | | **Paint Exterior Door Frames** *(09 91 13 00-0232)* | | |
| 09 91 13 00-0234 | LF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim | 1.18 | |
| | | *For Painting Either Interior Or Exterior Only, Deduct* | *-0.32* | |
| 09 91 13 00-0235 | LF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim | 1.51 | |
| | | *For Painting Either Interior Or Exterior Only, Deduct* | *-0.40* | |
| 09 91 13 00-0236 | LF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim | 2.54 | |
| | | *For Painting Either Interior Or Exterior Only, Deduct* | *-0.68* | |
| 09 91 13 00-0237 | LF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim | 1.19 | |
| | | *For Painting Either Interior Or Exterior Only, Deduct* | *-0.32* | |
| 09 91 13 00-0238 | LF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim | 1.52 | |
| | | *For Painting Either Interior Or Exterior Only, Deduct* | *-0.41* | |
| 09 91 13 00-0239 | LF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim | 2.55 | |
| | | *For Painting Either Interior Or Exterior Only, Deduct* | *-0.68* | |
| 09 91 13 00-0240 | | **Paint Exterior Metal Doors** *(09 91 13 00-0232)* | | |
| 09 91 13 00-0241 | EA | 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door | 56.48 | |
| | | Note: One face | | |
| | | *For Half Louvered Door, Add* | *4.55* | |
| | | *For Full Louvered Door, Add* | *7.58* | |
| | | *For Electrostatic Painting, Add* | *9.58* | |
| | | *For >5 To 10, Deduct* | *-2.82* | |
| | | *For >10 To 25, Deduct* | *-5.65* | |
| | | *For >25, Deduct* | *-8.47* | |
| 09 91 13 00-0242 | EA | 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door | 56.48 | |
| | | Note: One face | | |
| | | *For Half Louvered Door, Add* | *4.55* | |
| | | *For Full Louvered Door, Add* | *7.58* | |
| | | *For Electrostatic Painting, Add* | *9.58* | |
| | | *For >5 To 10, Deduct* | *-2.82* | |
| | | *For >10 To 25, Deduct* | *-5.65* | |
| | | *For >25, Deduct* | *-8.47* | |
| 09 91 13 00-0243 | EA | 2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door | 103.21 | |
| | | Note: One face | | |
| | | *For Half Louvered Door, Add* | *7.68* | |
| | | *For Full Louvered Door, Add* | *12.79* | |
| | | *For Electrostatic Painting, Add* | *18.13* | |
| | | *For >5 To 10, Deduct* | *-5.16* | |
| | | *For >10 To 25, Deduct* | *-10.32* | |
| | | *For >25, Deduct* | *-15.48* | |
| 09 91 13 00-0244 | EA | 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door | 101.37 | |
| | | Note: Both faces | | |
| | | *For Half Louvered Door, Add* | *8.15* | |
| | | *For Full Louvered Door, Add* | *13.58* | |
| | | *For Electrostatic Painting, Add* | *17.19* | |
| | | *For >5 To 10, Deduct* | *-5.07* | |
| | | *For >10 To 25, Deduct* | *-10.14* | |
| | | *For >25, Deduct* | *-15.21* | |
| 09 91 13 00-0245 | EA | 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door | 101.37 | |
| | | Note: Both faces | | |
| | | *For Half Louvered Door, Add* | *8.15* | |
| | | *For Full Louvered Door, Add* | *13.58* | |
| | | *For Electrostatic Painting, Add* | *17.19* | |
| | | *For >5 To 10, Deduct* | *-5.07* | |
| | | *For >10 To 25, Deduct* | *-10.14* | |
| | | *For >25, Deduct* | *-15.21* | |
| 09 91 13 00-0246 | EA | 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door | 186.01 | |
| | | Note: Both faces | | |
| | | *For Half Louvered Door, Add* | *13.79* | |
| | | *For Full Louvered Door, Add* | *22.98* | |
| | | *For Electrostatic Painting, Add* | *32.72* | |
| | | *For >5 To 10, Deduct* | *-9.30* | |
| | | *For >10 To 25, Deduct* | *-18.60* | |
| | | *For >25, Deduct* | *-27.90* | |
| 09 91 13 00-0247 | EA | 1 Coat Primer, Sprayed, Paint Exterior Metal Door | 54.26 | |
| | | Note: One face | | |
| | | *For Half Louvered Door, Add* | *3.82* | |
| | | *For Full Louvered Door, Add* | *6.37* | |
| | | *For Electrostatic Painting, Add* | *9.75* | |
| | | *For >5 To 10, Deduct* | *-2.71* | |
| | | *For >10 To 25, Deduct* | *-5.43* | |
| | | *For >25, Deduct* | *-8.14* | |
| 09 91 13 00-0248 | EA | 1 Coat Paint, Sprayed, Paint Exterior Metal Door | 54.26 | |
| | | Note: One face | | |
| | | *For Half Louvered Door, Add* | *3.82* | |
| | | *For Full Louvered Door, Add* | *6.37* | |
| | | *For Electrostatic Painting, Add* | *9.75* | |
| | | *For >5 To 10, Deduct* | *-2.71* | |
| | | *For >10 To 25, Deduct* | *-5.43* | |
| | | *For >25, Deduct* | *-8.14* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0249 | EA | 2 Coats Paint, Sprayed, Paint Exterior Metal Door<br>Note: One face | 100.23 | |
| | | *For Half Louvered Door, Add* | *6.45* | |
| | | *For Full Louvered Door, Add* | *10.75* | |
| | | *For Electrostatic Painting, Add* | *18.61* | |
| | | *For >5 To 10, Deduct* | *-5.01* | |
| | | *For >10 To 25, Deduct* | *-10.02* | |
| | | *For >25, Deduct* | *-15.03* | |
| 09 91 13 00-0250 | EA | 1 Coat Primer, Sprayed, Paint Exterior Metal Door<br>Note: Both faces | 97.41 | |
| | | *For Half Louvered Door, Add* | *6.85* | |
| | | *For Full Louvered Door, Add* | *11.41* | |
| | | *For Electrostatic Painting, Add* | *17.51* | |
| | | *For >5 To 10, Deduct* | *-4.87* | |
| | | *For >10 To 25, Deduct* | *-9.74* | |
| | | *For >25, Deduct* | *-14.61* | |
| 09 91 13 00-0251 | EA | 1 Coat Paint, Sprayed, Paint Exterior Metal Door<br>Note: Both faces | 97.41 | |
| | | *For Half Louvered Door, Add* | *6.85* | |
| | | *For Full Louvered Door, Add* | *11.41* | |
| | | *For Electrostatic Painting, Add* | *17.51* | |
| | | *For >5 To 10, Deduct* | *-4.87* | |
| | | *For >10 To 25, Deduct* | *-9.74* | |
| | | *For >25, Deduct* | *-14.61* | |
| 09 91 13 00-0252 | EA | 2 Coats Paint, Sprayed, Paint Exterior Metal Door<br>Note: Both faces | 180.76 | |
| | | *For Half Louvered Door, Add* | *11.59* | |
| | | *For Full Louvered Door, Add* | *19.31* | |
| | | *For Electrostatic Painting, Add* | *33.60* | |
| | | *For >5 To 10, Deduct* | *-9.04* | |
| | | *For >10 To 25, Deduct* | *-18.08* | |
| | | *For >25, Deduct* | *-27.11* | |
| 09 91 13 00-0253 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door | 2.51 | |
| | | *For Electrostatic Painting, Add* | *0.32* | |
| 09 91 13 00-0254 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door | 2.68 | |
| | | *For Electrostatic Painting, Add* | *0.36* | |
| 09 91 13 00-0255 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door | 5.47 | |
| | | *For Electrostatic Painting, Add* | *0.71* | |
| 09 91 13 00-0256 | SF | 1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door | 2.83 | |
| | | *For Electrostatic Painting, Add* | *0.35* | |
| 09 91 13 00-0257 | SF | 1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door | 3.00 | |
| | | *For Electrostatic Painting, Add* | *0.39* | |
| 09 91 13 00-0258 | SF | 2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door | 5.81 | |
| | | *For Electrostatic Painting, Add* | *0.76* | |

## 09 91 13 00-0259 Paint Exterior Wood Doors *(09 91 13 00-0232)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0260 | EA | 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door<br>Note: One face | 53.23 | |
| | | *For Half Louvered Door, Add* | *4.55* | |
| | | *For Full Louvered Door, Add* | *7.58* | |
| | | *For >5 To 10, Deduct* | *-2.66* | |
| | | *For >10 To 25, Deduct* | *-5.32* | |
| | | *For >25, Deduct* | *-7.98* | |
| 09 91 13 00-0261 | EA | 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door<br>Note: One face | 53.23 | |
| | | *For Half Louvered Door, Add* | *4.55* | |
| | | *For Full Louvered Door, Add* | *7.58* | |
| | | *For >5 To 10, Deduct* | *-2.66* | |
| | | *For >10 To 25, Deduct* | *-5.32* | |
| | | *For >25, Deduct* | *-7.98* | |
| 09 91 13 00-0262 | EA | 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door<br>Note: One face | 96.74 | |
| | | *For Half Louvered Door, Add* | *7.68* | |
| | | *For Full Louvered Door, Add* | *12.79* | |
| | | *For >5 To 10, Deduct* | *-4.84* | |
| | | *For >10 To 25, Deduct* | *-9.67* | |
| | | *For >25, Deduct* | *-14.51* | |
| 09 91 13 00-0263 | EA | 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door<br>Note: Both faces | 95.52 | |
| | | *For Half Louvered Door, Add* | *8.15* | |
| | | *For Full Louvered Door, Add* | *13.58* | |
| | | *For >5 To 10, Deduct* | *-4.78* | |
| | | *For >10 To 25, Deduct* | *-9.55* | |
| | | *For >25, Deduct* | *-14.33* | |
| 09 91 13 00-0264 | EA | 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door<br>Note: Both faces | 95.52 | |
| | | *For Half Louvered Door, Add* | *8.15* | |
| | | *For Full Louvered Door, Add* | *13.58* | |
| | | *For >5 To 10, Deduct* | *-4.78* | |
| | | *For >10 To 25, Deduct* | *-9.55* | |
| | | *For >25, Deduct* | *-14.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0265 | EA | 2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door | 174.31 | |
| | | Note: Both faces | | |
| | | *For Half Louvered Door, Add* | *13.79* | |
| | | *For Full Louvered Door, Add* | *22.98* | |
| | | *For >5 To 10, Deduct* | *-8.72* | |
| | | *For >10 To 25, Deduct* | *-17.43* | |
| | | *For >25, Deduct* | *-26.15* | |
| 09 91 13 00-0266 | EA | 1 Coat Primer, Sprayed, Paint Exterior Wood Door | 50.68 | |
| | | Note: One face | | |
| | | *For Half Louvered Door, Add* | *3.82* | |
| | | *For Full Louvered Door, Add* | *6.37* | |
| | | *For >5 To 10, Deduct* | *-2.53* | |
| | | *For >10 To 25, Deduct* | *-5.07* | |
| | | *For >25, Deduct* | *-7.60* | |
| 09 91 13 00-0267 | EA | 1 Coat Paint, Sprayed, Paint Exterior Wood Door | 50.68 | |
| | | Note: One face | | |
| | | *For Half Louvered Door, Add* | *3.82* | |
| | | *For Full Louvered Door, Add* | *6.37* | |
| | | *For >5 To 10, Deduct* | *-2.53* | |
| | | *For >10 To 25, Deduct* | *-5.07* | |
| | | *For >25, Deduct* | *-7.60* | |
| 09 91 13 00-0268 | EA | 2 Coats Paint, Sprayed, Paint Exterior Wood Door | 93.14 | |
| | | Note: One face | | |
| | | *For Half Louvered Door, Add* | *6.45* | |
| | | *For Full Louvered Door, Add* | *10.76* | |
| | | *For >5 To 10, Deduct* | *-4.66* | |
| | | *For >10 To 25, Deduct* | *-9.31* | |
| | | *For >25, Deduct* | *-13.97* | |
| 09 91 13 00-0269 | EA | 1 Coat Primer, Sprayed, Paint Exterior Wood Door | 90.97 | |
| | | Note: Both faces | | |
| | | *For Half Louvered Door, Add* | *6.85* | |
| | | *For Full Louvered Door, Add* | *11.41* | |
| | | *For >5 To 10, Deduct* | *-4.55* | |
| | | *For >10 To 25, Deduct* | *-9.10* | |
| | | *For >25, Deduct* | *-13.65* | |
| 09 91 13 00-0270 | EA | 1 Coat Paint, Sprayed, Paint Exterior Wood Door | 90.97 | |
| | | Note: Both faces | | |
| | | *For Half Louvered Door, Add* | *6.85* | |
| | | *For Full Louvered Door, Add* | *11.41* | |
| | | *For >5 To 10, Deduct* | *-4.55* | |
| | | *For >10 To 25, Deduct* | *-9.10* | |
| | | *For >25, Deduct* | *-13.65* | |
| 09 91 13 00-0271 | EA | 2 Coats Paint, Sprayed, Paint Exterior Wood Door | 167.89 | |
| | | Note: Both faces | | |
| | | *For Half Louvered Door, Add* | *11.59* | |
| | | *For Full Louvered Door, Add* | *19.31* | |
| | | *For >5 To 10, Deduct* | *-8.39* | |
| | | *For >10 To 25, Deduct* | *-16.79* | |
| | | *For >25, Deduct* | *-25.18* | |
| 09 91 13 00-0272 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door | 2.48 | |
| 09 91 13 00-0273 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door | 2.60 | |
| 09 91 13 00-0274 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door | 5.33 | |
| 09 91 13 00-0275 | SF | 1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door | 2.78 | |
| 09 91 13 00-0276 | SF | 1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door | 2.92 | |
| 09 91 13 00-0277 | SF | 2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door | 5.67 | |

## 09 91 13 00-0278 Paint Exterior Metal Windows *(09 91 13 00-0232)*

Note: Two finish coats paint over rust inhibitive primer.

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0279 | EA | Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim | 85.30 | |
| | | *For Electrostatic Painting, Add* | *11.14* | |
| | | *For >5 To 10, Deduct* | *-4.27* | |
| | | *For >10 To 25, Deduct* | *-8.53* | |
| | | *For >25, Deduct* | *-12.80* | |
| 09 91 13 00-0280 | EA | >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim | 105.22 | |
| | | *For Electrostatic Painting, Add* | *14.55* | |
| | | *For >5 To 10, Deduct* | *-5.26* | |
| | | *For >10 To 25, Deduct* | *-10.52* | |
| | | *For >25, Deduct* | *-15.78* | |
| 09 91 13 00-0281 | EA | >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim | 142.63 | |
| | | *For Electrostatic Painting, Add* | *19.99* | |
| | | *For >5 To 10, Deduct* | *-7.13* | |
| | | *For >10 To 25, Deduct* | *-14.26* | |
| | | *For >25, Deduct* | *-21.39* | |
| 09 91 13 00-0282 | EA | >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim | 160.68 | |
| | | *For Electrostatic Painting, Add* | *22.54* | |
| | | *For >5 To 10, Deduct* | *-8.03* | |
| | | *For >10 To 25, Deduct* | *-16.07* | |
| | | *For >25, Deduct* | *-24.10* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0283 | EA | >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim | 178.05 | |
| | | *For Electrostatic Painting, Add* | *24.92* | |
| | | *For >5 To 10, Deduct* | *-8.90* | |
| | | *For >10 To 25, Deduct* | *-17.81* | |
| | | *For >25, Deduct* | *-26.71* | |
| 09 91 13 00-0284 | SF | >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim | 5.64 | |
| | | *For Electrostatic Painting, Add* | *0.79* | |

## 09 91 13 00-0285 Paint Exterior Wood Windows *(09 91 13 00-0232)*

Note: Two finish coats paint over primer.

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0286 | EA | Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim | 83.14 | |
| | | *For >5 To 10, Deduct* | *-4.16* | |
| | | *For >10 To 25, Deduct* | *-8.31* | |
| | | *For >25, Deduct* | *-12.47* | |
| 09 91 13 00-0287 | EA | >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim | 101.88 | |
| | | *For >5 To 10, Deduct* | *-5.09* | |
| | | *For >10 To 25, Deduct* | *-10.19* | |
| | | *For >25, Deduct* | *-15.28* | |
| 09 91 13 00-0288 | EA | >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim | 137.89 | |
| | | *For >5 To 10, Deduct* | *-6.89* | |
| | | *For >10 To 25, Deduct* | *-13.79* | |
| | | *For >25, Deduct* | *-20.68* | |
| 09 91 13 00-0289 | EA | >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim | 155.32 | |
| | | *For >5 To 10, Deduct* | *-7.77* | |
| | | *For >10 To 25, Deduct* | *-15.53* | |
| | | *For >25, Deduct* | *-23.30* | |
| 09 91 13 00-0290 | EA | >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim | 172.15 | |
| | | *For >5 To 10, Deduct* | *-8.61* | |
| | | *For >10 To 25, Deduct* | *-17.22* | |
| | | *For >25, Deduct* | *-25.82* | |
| 09 91 13 00-0291 | SF | >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim | 5.73 | |

## 09 91 13 00-0292 Paint Exterior Security Screens *(09 91 13 00-0232)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0293 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen | 1.51 | |
| | | *For Electrostatic Painting, Add* | *0.21* | |
| 09 91 13 00-0294 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen | 1.51 | |
| | | *For Electrostatic Painting, Add* | *0.19* | |
| 09 91 13 00-0295 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen | 2.50 | |
| | | *For Electrostatic Painting, Add* | *0.33* | |

## 09 91 13 00-0296 Paint Exterior Window Guards *(09 91 13 00-0232)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0297 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards | 1.51 | |
| 09 91 13 00-0298 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards | 1.51 | |
| 09 91 13 00-0299 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards | 2.50 | |

## 09 91 13 00-0300 Paint Exterior Window Trim *(09 91 13 00-0232)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0301 | LF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim | 1.41 | |
| 09 91 13 00-0302 | LF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim | 1.41 | |
| 09 91 13 00-0303 | LF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim | 2.33 | |
| 09 91 13 00-0304 | LF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim | 1.63 | |
| 09 91 13 00-0305 | LF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim | 1.63 | |
| 09 91 13 00-0306 | LF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim | 2.79 | |

## 09 91 13 00-0307 Paint Exterior Roofing And Trim *(09 91 13)*

## 09 91 13 00-0308 Paint Stain Or Seal Wood Roofing *(09 91 13 00-0307)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0309 | SF | 1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake | 2.13 | |
| | | *For Up To 100, Add* | *0.99* | |
| | | *For >100 To 250, Add* | *0.49* | |
| | | *For >250 To 500, Add* | *0.22* | |
| 09 91 13 00-0310 | SF | 2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake | 3.94 | |
| | | *For Up To 100, Add* | *1.79* | |
| | | *For >100 To 250, Add* | *0.89* | |
| | | *For >250 To 500, Add* | *0.40* | |

## 09 91 13 00-0311 Paint Metal Roofing *(09 91 13 00-0307)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0312 | SF | 1 Coat Paint, Brush/Roller Work, Paint Metal Roofing | 0.94 | |
| | | *For Up To 100, Add* | *0.41* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0313 | SF | 2 Coats Paint, Brush/Roller Work, Paint Metal Roofing | 1.63 | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.16* | |
| 09 91 13 00-0314 | SF | 1 Coat Epoxy Polyamide Cured Resin Primer, Sprayed, Paint Metal Roof | 0.92 | |
| | | *For Up To 100, Add* | *0.52* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| 09 91 13 00-0315 | SF | 1 Coat Aliphatic Polyurethane, Sprayed, Paint Metal Roof | 0.90 | |
| | | *For Up To 100, Add* | *0.40* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| **09 91 13 00-0316** | | **Paint Fascia Board** *(09 91 13 00-0307)* | | |
| 09 91 13 00-0317 | LF | 1 Coat Primer, Brush/Roller Work, Paint Fascia Board | 0.88 | |
| | | *For Up To 100, Add* | *0.40* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| 09 91 13 00-0318 | LF | 1 Coat Paint, Brush/Roller Work, Paint Fascia Board | 0.88 | |
| | | *For Up To 100, Add* | *0.40* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| 09 91 13 00-0319 | LF | 2 Coats Paint, Brush/Roller Work, Paint Fascia Board | 1.53 | |
| | | *For Up To 100, Add* | *0.71* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.16* | |
| **09 91 13 00-0320** | | **Paint Soffit** *(09 91 13 00-0307)* | | |
| 09 91 13 00-0321 | SF | 1 Coat Primer, Brush/Roller Work, Paint Soffit | 1.07 | |
| | | *For Up To 100, Add* | *0.42* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| 09 91 13 00-0322 | SF | 1 Coat Paint, Brush/Roller Work, Paint Soffit | 1.07 | |
| | | *For Up To 100, Add* | *0.42* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| 09 91 13 00-0323 | SF | 2 Coats Paint, Brush/Roller Work, Paint Soffit | 1.82 | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 250, Add* | *0.38* | |
| | | *For >250 To 500, Add* | *0.17* | |
| **09 91 13 00-0324** | | **Special Coatings For Metal Roofs** *(09 91 13 00-0307)* | | |
| 09 91 13 00-0325 | SF | Carboline Carboxane 950 Coating System With 15 year warranty | 12.01 | |
| 09 91 13 00-0326 | SF | Carboline Carbothane 134HG Coating System With 1 year warranty | 7.35 | |
| **09 91 13 00-0327** | | **Acrylic Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)* | | |
| 09 91 13 00-0328 | SF | 2 Coats (20 Mil), Cool Roof Acrylic Elastomeric Roof Coating | 2.23 | |
| | | *For Each Coat Of Primer, Add* | *0.48* | |
| 09 91 13 00-0329 | SF | 2 Coats, Energy-Armor Ultra SunWhite Ultra Premium Acrylic Elastomeric Roof Coating (ICP APOC® AP-252) | 3.13 | |
| **09 91 13 00-0330** | | **Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)* | | |
| 09 91 13 00-0331 | SF | 1 Coat, White Elastomeric Lquid Silicone Roof Membrane Coating (ICP APOC® Armor Flex® AP-585)<br>Note: Per Coat | 3.82 | |
| **09 91 13 00-0332** | | **Acrylic Latex Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)*<br>Note: (Henry) | | |
| 09 91 13 00-0333 | SF | 1 Coat, Premium Gray Elastomeric Roof Base Coating (Henry 291) | 1.37 | |
| 09 91 13 00-0334 | SF | 1 Coat, White Acrylic Latex Roof Coating (Henry 280DC) | 1.24 | |
| 09 91 13 00-0335 | SF | 1 Coat, White Elastomeric Roof Coating (Henry SolarFlex 287) | 1.09 | |
| **09 91 13 00-0336** | | **Acrylic Coating For All Types Of Roofs** *(09 91 13 00-0307)*<br>Note: (GAF) | | |
| 09 91 13 00-0337 | SF | 1 Coat, Water Based, Acrylic Elastomeric Roof Base Coating (GAF Roof Mate™ Base Coat) | 1.07 | |
| 09 91 13 00-0338 | SF | 1 Coat, Water Based, Acrylic Elastomeric Roof Top Coating (GAF Roof Mate™ Top Coat) | 1.24 | |
| **09 91 13 00-0339** | | **Paint Metal Surfaces** *(09 91 13)*<br>Note: Tasks can be used for exterior or interior applications. | | |
| **09 91 13 00-0340** | | **Paint Structural Steel** *(09 91 13 00-0339)* | | |
| **09 91 13 00-0341** | | **Paint Structural Steel, Brush Work** *(09 91 13 00-0340)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0342 | SF | 1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel | 1.03 | |
| | | *For Up To 100, Add* | *0.62* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For Epoxy Paint, Add* | *0.13* | |
| 09 91 13 00-0343 | SF | 1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel | 0.92 | |
| | | *For Up To 100, Add* | *0.54* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For Epoxy Paint, Add* | *0.12* | |

## 09 91 13 00-0344 Paint Structural Steel, Spray Work *(09 91 13 00-0340)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0345 | SF | 1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel | 0.79 | |
| | | *For Electrostatic Painting, Add* | *0.12* | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| 09 91 13 00-0346 | SF | 1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel | 0.66 | |
| | | *For Electrostatic Painting, Add* | *0.10* | |
| | | *For Up To 100, Add* | *0.35* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For Epoxy Paint, Add* | *0.11* | |

## 09 91 13 00-0347 Paint Metal Decking, Beams And Bar Joist *(09 91 13 00-0340)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0348 | SF | 1 Coat Primer, Sprayed, Paint Exposed Metal Decking | 0.88 | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For Epoxy Paint, Add* | *0.12* | |
| 09 91 13 00-0349 | SF | 1 Coat Paint, Sprayed, Paint Exposed Metal Decking | 0.88 | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For Epoxy Paint, Add* | *0.12* | |
| 09 91 13 00-0350 | SF | 2 Coats Paint, Sprayed, Paint Exposed Metal Decking | 1.51 | |
| | | *For Up To 100, Add* | *0.83* | |
| | | *For >100 To 250, Add* | *0.40* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For Epoxy Paint, Add* | *0.23* | |
| 09 91 13 00-0351 | SF | 1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists | 1.29 | |
| | | *For Up To 100, Add* | *0.67* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For Epoxy Paint, Add* | *0.21* | |
| 09 91 13 00-0352 | SF | 1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists | 1.24 | |
| | | *For Up To 100, Add* | *0.67* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For Epoxy Paint, Add* | *0.19* | |
| 09 91 13 00-0353 | SF | 2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists | 2.36 | |
| | | *For Up To 100, Add* | *1.25* | |
| | | *For >100 To 250, Add* | *0.61* | |
| | | *For >250 To 500, Add* | *0.27* | |
| | | *For Epoxy Paint, Add* | *0.38* | |
| 09 91 13 00-0354 | SF | 1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists | 1.11 | |
| | | *For Up To 100, Add* | *0.61* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For Epoxy Paint, Add* | *0.17* | |
| 09 91 13 00-0355 | SF | 1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists | 1.11 | |
| | | *For Up To 100, Add* | *0.61* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For Epoxy Paint, Add* | *0.17* | |
| 09 91 13 00-0356 | SF | 2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists | 1.89 | |
| | | *For Up To 100, Add* | *0.97* | |
| | | *For >100 To 250, Add* | *0.48* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For Epoxy Paint, Add* | *0.32* | |

## 09 91 13 00-0357 Paint Steel Pipes *(09 91 13 00-0339)*

Note: Includes pipe, tubes, rails, conduit, etc.

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0358 | LF | 1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe | 1.69 | |
| | | *For Electrostatic Painting, Add* | *0.23* | |
| | | *For Epoxy Paint, Add* | *0.20* | |
| 09 91 13 00-0359 | LF | 1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe | 1.89 | |
| | | *For Electrostatic Painting, Add* | *0.26* | |
| | | *For Epoxy Paint, Add* | *0.23* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0360 | LF | 1 Coat Primer, 4" Diameter, Paint Steel Pipes | 2.13 | |
| | | *For Electrostatic Painting, Add* | *0.29* | |
| | | *For Epoxy Paint, Add* | *0.26* | |
| 09 91 13 00-0361 | LF | 1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes | 2.66 | |
| | | *For Electrostatic Painting, Add* | *0.36* | |
| | | *For Epoxy Paint, Add* | *0.32* | |
| 09 91 13 00-0362 | LF | 1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes | 3.37 | |
| | | *For Electrostatic Painting, Add* | *0.45* | |
| | | *For Epoxy Paint, Add* | *0.40* | |
| 09 91 13 00-0363 | LF | 1 Coat Paint, 1/2"To 1-1/2" Diameter, Paint Conduit Or Steel Pipe | 1.69 | |
| | | *For Electrostatic Painting, Add* | *0.23* | |
| | | *For Epoxy Paint, Add* | *0.20* | |
| 09 91 13 00-0364 | LF | 1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe | 1.89 | |
| | | *For Electrostatic Painting, Add* | *0.26* | |
| | | *For Epoxy Paint, Add* | *0.23* | |
| 09 91 13 00-0365 | LF | 1 Coat Paint, 4" Diameter, Paint Steel Pipes | 2.13 | |
| | | *For Electrostatic Painting, Add* | *0.29* | |
| | | *For Epoxy Paint, Add* | *0.26* | |
| 09 91 13 00-0366 | LF | 1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes | 2.66 | |
| | | *For Electrostatic Painting, Add* | *0.36* | |
| | | *For Epoxy Paint, Add* | *0.32* | |
| 09 91 13 00-0367 | LF | 1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes | 3.37 | |
| | | *For Electrostatic Painting, Add* | *0.45* | |
| | | *For Epoxy Paint, Add* | *0.40* | |
| 09 91 13 00-0368 | LF | 2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe | 3.49 | |
| | | *For Electrostatic Painting, Add* | *0.50* | |
| | | *For Epoxy Paint, Add* | *0.47* | |
| 09 91 13 00-0369 | LF | 2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe | 3.79 | |
| | | *For Electrostatic Painting, Add* | *0.51* | |
| | | *For Epoxy Paint, Add* | *0.46* | |
| 09 91 13 00-0370 | LF | 2 Coats Paint, 4" Diameter, Paint Steel Pipes | 4.11 | |
| | | *For Electrostatic Painting, Add* | *0.56* | |
| | | *For Epoxy Paint, Add* | *0.51* | |
| 09 91 13 00-0371 | LF | 2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes | 5.18 | |
| | | *For Electrostatic Painting, Add* | *0.70* | |
| | | *For Epoxy Paint, Add* | *0.63* | |
| 09 91 13 00-0372 | LF | 2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes | 6.38 | |
| | | *For Electrostatic Painting, Add* | *0.87* | |
| | | *For Epoxy Paint, Add* | *0.78* | |
| 09 91 13 00-0373 | EA | 1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box | 7.91 | |
| | | *For Electrostatic Painting, Add* | *0.85* | |
| | | *For Epoxy Paint, Add* | *0.51* | |
| **09 91 13 00-0374** | | **Paint Metal Louvers** *(09 91 13 00-0339)* | | |
| 09 91 13 00-0375 | SF | 1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area | 1.39 | |
| | | *For Electrostatic Painting, Add* | *0.17* | |
| 09 91 13 00-0376 | SF | 1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area | 1.42 | |
| | | *For Electrostatic Painting, Add* | *0.18* | |
| 09 91 13 00-0377 | SF | 2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area | 2.93 | |
| | | *For Electrostatic Painting, Add* | *0.38* | |
| **09 91 13 00-0378** | | **Paint Ladders** *(09 91 13 00-0339)* | | |
| 09 91 13 00-0379 | LF | 1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders | 3.72 | |
| | | *For Epoxy Paint, Add* | *0.24* | |
| 09 91 13 00-0380 | LF | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders | 4.15 | |
| | | *For Epoxy Paint, Add* | *0.26* | |
| 09 91 13 00-0381 | LF | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders | 8.14 | |
| | | *For Epoxy Paint, Add* | *0.48* | |
| **09 91 13 00-0382** | | **Paint Handrails** *(09 91 13 00-0339)* | | |
| 09 91 13 00-0383 | LF | 1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket | 1.51 | |
| | | *For Epoxy Paint, Add* | *0.13* | |
| 09 91 13 00-0384 | LF | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket | 1.67 | |
| | | *For Epoxy Paint, Add* | *0.14* | |
| 09 91 13 00-0385 | LF | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket | 2.72 | |
| | | *For Epoxy Paint, Add* | *0.19* | |
| 09 91 13 00-0386 | LF | 1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets | 2.90 | |
| | | *For Epoxy Paint, Add* | *0.41* | |
| 09 91 13 00-0387 | LF | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets | 3.15 | |
| | | *For Epoxy Paint, Add* | *0.42* | |
| 09 91 13 00-0388 | LF | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets | 5.36 | |
| | | *For Epoxy Paint, Add* | *0.67* | |
| 09 91 13 00-0389 | LF | 1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets | 3.10 | |
| | | *For Epoxy Paint, Add* | *0.42* | |
| 09 91 13 00-0390 | LF | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets | 3.38 | |
| | | *For Epoxy Paint, Add* | *0.44* | |
| 09 91 13 00-0391 | LF | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets | 5.66 | |
| | | *For Epoxy Paint, Add* | *0.69* | |
| 09 91 13 00-0392 | LF | 1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades | 1.72 | |
| | | *For Epoxy Paint, Add* | *0.22* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0393 | LF | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades | 1.87 | |
| | | *For Epoxy Paint, Add* | *0.23* | |
| 09 91 13 00-0394 | LF | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades | 3.45 | |
| | | *For Epoxy Paint, Add* | *0.44* | |
| **09 91 13 00-0395** | | **Paint Grating** *(09 91 13 00-0339)* | | |
| 09 91 13 00-0396 | SF | 1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames | 2.72 | |
| | | *For Epoxy Paint, Add* | *0.19* | |
| 09 91 13 00-0397 | SF | 1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames | 2.78 | |
| | | *For Epoxy Paint, Add* | *0.21* | |
| 09 91 13 00-0398 | SF | 2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames | 4.20 | |
| | | *For Epoxy Paint, Add* | *0.36* | |
| **09 91 13 00-0399** | | **Equipment And Tanks** *(09 91 13 00-0339)* | | |
| **09 91 13 00-0400** | | **Paint Valves** *(09 91 13 00-0399)* | | |
| | | Note: Includes 1 coat primer and 1 coat paint finish | | |
| 09 91 13 00-0401 | EA | Prime And Paint 4" And Smaller Valve | 29.63 | |
| 09 91 13 00-0402 | EA | Prime And Paint 6" To 10" Valve | 36.53 | |
| 09 91 13 00-0403 | EA | Prime And Paint 12" To 18" Valve | 47.89 | |
| 09 91 13 00-0404 | EA | Prime And Paint 20" To 24" Valve | 63.70 | |
| 09 91 13 00-0405 | EA | Prime And Paint >24" To 36" Valve | 86.42 | |
| 09 91 13 00-0406 | EA | Prime And Paint >36" To 48" Valve | 118.49 | |
| **09 91 13 00-0407** | | **Paint Pumps And Motors** *(09 91 13 00-0399)* | | |
| | | Note: Includes 1 coat primer and 1 coat paint finish | | |
| 09 91 13 00-0408 | EA | Prime And Paint Pump Under 1 HP | 91.33 | |
| 09 91 13 00-0409 | EA | Prime And Paint Pump, 1 HP To 5 HP | 121.43 | |
| 09 91 13 00-0410 | EA | Prime And Paint Pump, >5 HP To 10 HP | 147.08 | |
| 09 91 13 00-0411 | EA | Prime And Paint Pump, >10 HP To 20 HP | 165.82 | |
| 09 91 13 00-0412 | EA | Prime And Paint Pump, >20 HP To 30 HP | 193.45 | |
| 09 91 13 00-0413 | EA | Prime And Paint Pump, >30 HP To 50 HP | 221.08 | |
| 09 91 13 00-0414 | EA | Prime And Paint Pump, >50 HP To 75 HP | 244.27 | |
| 09 91 13 00-0415 | EA | Prime And Paint Pump, >75 HP | 276.36 | |
| **09 91 13 00-0416** | | **Paint Storage Tanks** *(09 91 13 00-0399)* | | |
| 09 91 13 00-0417 | SF | 1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface | 1.18 | |
| 09 91 13 00-0418 | SF | 1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface | 1.58 | |
| 09 91 13 00-0419 | SF | 2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface | 3.03 | |
| 09 91 13 00-0420 | SF | 1 Coat Primer, Roller, Paint Storage Tank, Interior Surface | 1.55 | |
| 09 91 13 00-0421 | SF | 1 Coat Paint, Roller, Paint Storage Tank, Interior Surface | 2.00 | |
| 09 91 13 00-0422 | SF | 2 Coats Paint, Roller, Paint Storage Tank, Interior Surface | 3.86 | |
| 09 91 13 00-0423 | SF | 1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface | 1.29 | |
| 09 91 13 00-0424 | SF | 1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface | 1.62 | |
| 09 91 13 00-0425 | SF | 2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface | 3.15 | |
| 09 91 13 00-0426 | SF | 1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface | 1.46 | |
| 09 91 13 00-0427 | SF | 1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface | 1.96 | |
| 09 91 13 00-0428 | SF | 2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface | 3.80 | |
| **09 91 13 00-0429** | | **Other Site Work Painting** *(09 91 13)* | | |
| **09 91 13 00-0430** | | **Paint Fencing** *(09 91 13 00-0429)* | | |
| | | Note: Per side of fence. Based on gross fence area (length of fence x height of fence). | | |
| 09 91 13 00-0431 | SF | 1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence | 0.85 | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.11* | |
| 09 91 13 00-0432 | SF | 2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence | 1.60 | |
| | | *For Epoxy Paint, Add* | *0.21* | |
| | | *For Up To 100, Add* | *0.94* | |
| | | *For >100 To 250, Add* | *0.45* | |
| | | *For >250 To 500, Add* | *0.20* | |
| 09 91 13 00-0433 | SF | 1 Coat Paint, Sprayed, Paint Existing Chain Link Fence | 0.81 | |
| | | *For Epoxy Paint, Add* | *0.12* | |
| | | *For Electrostatic Painting, Add* | *0.12* | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| 09 91 13 00-0434 | SF | 2 Coats Paint, Sprayed, Paint Existing Chain Link Fence | 1.51 | |
| | | *For Epoxy Paint, Add* | *0.24* | |
| | | *For Electrostatic Painting, Add* | *0.23* | |
| | | *For Up To 100, Add* | *0.80* | |
| | | *For >100 To 250, Add* | *0.39* | |
| | | *For >250 To 500, Add* | *0.17* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0435 | SF | 1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence | 0.80 | |
| | | *For Epoxy Paint, Add* | *0.12* | |
| | | *For Up To 100, Add* | *0.43* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| 09 91 13 00-0436 | SF | 1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence | 0.74 | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Up To 100, Add* | *0.42* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| 09 91 13 00-0437 | SF | Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence | 0.55 | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Up To 100, Add* | *0.28* | |
| | | *For >100 To 250, Add* | *0.14* | |
| | | *For >250 To 500, Add* | *0.06* | |
| 09 91 13 00-0438 | SF | 1 Coat Primer, Brush/Roller, Paint Picket Fence | 0.98 | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.13* | |
| 09 91 13 00-0439 | SF | 1 Coat Paint, Brush/Roller, Paint Picket Fence | 0.98 | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.13* | |
| 09 91 13 00-0440 | SF | Each Additional Coat, Brush/Roller, Paint Picket Fence | 0.72 | |
| | | *For Epoxy Paint, Add* | *0.08* | |
| | | *For Up To 100, Add* | *0.45* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| 09 91 13 00-0441 | SF | 1 Coat Paint, Brush/Roller, Paint Wood Fences | 0.76 | |
| | | *For Up To 100, Add* | *0.43* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| 09 91 13 00-0442 | SF | 2 Coats Paint, Brush/Roller, Paint Wood Fences | 1.38 | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.16* | |
| 09 91 13 00-0443 | SF | 1 Coat Paint, Sprayed, Paint Wood Fences | 0.63 | |
| | | *For Up To 100, Add* | *0.33* | |
| | | *For >100 To 250, Add* | *0.16* | |
| | | *For >250 To 500, Add* | *0.07* | |
| 09 91 13 00-0444 | SF | 2 Coats Paint, Sprayed, Paint Wood Fences | 1.19 | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |

## 09 91 13 00-0445 Paint Shutters Or Blinds, Solid Panel *(09 91 13 00-0429)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0446 | SF | 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel | 2.96 | |
| 09 91 13 00-0447 | SF | 1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel | 2.97 | |
| 09 91 13 00-0448 | SF | 2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel | 5.30 | |
| 09 91 13 00-0449 | SF | 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel | 1.92 | |
| 09 91 13 00-0450 | SF | 1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel | 1.94 | |
| 09 91 13 00-0451 | SF | 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel | 3.61 | |

## 09 91 13 00-0452 Paint Shutters Or Blinds, Louvered Panel *(09 91 13 00-0429)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0453 | SF | 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel | 3.64 | |
| 09 91 13 00-0454 | SF | 1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel | 3.65 | |
| 09 91 13 00-0455 | SF | 2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel | 6.51 | |
| 09 91 13 00-0456 | SF | 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel | 2.32 | |
| 09 91 13 00-0457 | SF | 1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel | 2.34 | |
| 09 91 13 00-0458 | SF | 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel | 4.34 | |

## 09 91 13 00-0459 Paint Flagpoles *(09 91 13 00-0429)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0460 | EA | 1 Coat Paint, 20' High, Paint Steel Flagpole | 228.15 | |
| 09 91 13 00-0461 | EA | 1 Coat Paint, 30' High, Paint Steel Flagpole | 308.05 | |
| 09 91 13 00-0462 | EA | 1 Coat Paint, 40' High, Paint Steel Flagpole | 388.01 | |
| 09 91 13 00-0463 | EA | 1 Coat Paint, 50' High, Paint Steel Flagpole | 467.97 | |
| 09 91 13 00-0464 | EA | 1 Coat Paint, 70' High, Paint Steel Flagpole | 617.40 | |
| 09 91 13 00-0465 | EA | 1 Coat Paint, 80' High, Paint Steel Flagpole | 696.04 | |
| 09 91 13 00-0466 | EA | 1 Coat Paint, 90' High, Paint Steel Flagpole | 774.70 | |

## 09 91 13 00-0467 Paint Lattice Or Trellis *(09 91 13 00-0429)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0468 | SF | 1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis | 1.51 | |
| | | *For Up To 100, Add* | *0.99* | |
| | | *For >100 To 250, Add* | *0.47* | |
| | | *For >250 To 500, Add* | *0.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0469 | SF | 2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis | 2.80 | |
| | | *For Up To 100, Add* | *1.81* | |
| | | *For >100 To 250, Add* | *0.86* | |
| | | *For >250 To 500, Add* | *0.37* | |

## 09 91 13 00-0470 Paint Exterior Stairs *(09 91 13)*

## 09 91 13 00-0471 Paint Exterior Concrete Stairs *(09 91 13 00-0470)*

| | | | |
|---|---|---|---|
| 09 91 13 00-0472 | RSR | 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) | 16.18 |
| 09 91 13 00-0473 | RSR | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) | 16.18 |
| 09 91 13 00-0474 | RSR | 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) | 22.34 |
| 09 91 13 00-0475 | RSR | 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) | 40.30 |
| 09 91 13 00-0476 | RSR | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) | 32.37 |

## 09 91 13 00-0477 Paint Exterior Metal Stairs *(09 91 13 00-0470)*

| | | | |
|---|---|---|---|
| 09 91 13 00-0478 | RSR | 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide) | 8.63 |
| | | *For Oil Based Paint, Add* | *0.48* |
| 09 91 13 00-0479 | RSR | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide) | 8.63 |
| | | *For Oil Based Paint, Add* | *0.48* |
| 09 91 13 00-0480 | RSR | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide) | 17.25 |
| | | *For Oil Based Paint, Add* | *0.96* |

## 09 91 13 00-0481 Paint Exterior Wood Stairs *(09 91 13 00-0470)*

| | | | |
|---|---|---|---|
| 09 91 13 00-0482 | RSR | 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) | 8.51 |
| 09 91 13 00-0483 | RSR | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) | 8.50 |
| 09 91 13 00-0484 | RSR | 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) | 14.66 |
| 09 91 13 00-0485 | RSR | 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) | 32.62 |
| 09 91 13 00-0486 | RSR | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) | 17.01 |

## 09 91 13 00-0487 Paint Exterior Stair Nosing *(09 91 13 00-0470)*

| | | | |
|---|---|---|---|
| 09 91 13 00-0488 | LF | 1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip | 1.60 |

## 09 91 13 00-0489 Paint Exterior Trim *(09 91 13)*

## 09 91 13 00-0490 Paint Exterior Metal Trim And Gutters *(09 91 13 00-0489)*

| | | | |
|---|---|---|---|
| 09 91 13 00-0491 | SF | 1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim | 1.15 |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* |
| | | *Note: Applied only to work area above 15' to 20'.* | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* |
| | | *Note: Applied only to work area above 20'.* | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.36* |
| | | *Note: Applied only to work area above 30' to 40'.* | |
| | | *For Work >40' Above Floor, Add* | *0.50* |
| | | *Note: Applied only to work area above 40'.* | |
| 09 91 13 00-0492 | SF | 1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim | 1.25 |
| | | *For Work >15' To 20' Above Floor, Add* | *0.15* |
| | | *Note: Applied only to work area above 15' to 20'.* | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.25* |
| | | *Note: Applied only to work area above 20'.* | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.40* |
| | | *Note: Applied only to work area above 30' to 40'.* | |
| | | *For Work >40' Above Floor, Add* | *0.55* |
| | | *Note: Applied only to work area above 40'.* | |
| 09 91 13 00-0493 | SF | 2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim | 2.27 |
| | | *For Work >15' To 20' Above Floor, Add* | *0.27* |
| | | *Note: Applied only to work area above 15' to 20'.* | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.44* |
| | | *Note: Applied only to work area above 20'.* | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.71* |
| | | *Note: Applied only to work area above 30' to 40'.* | |
| | | *For Work >40' Above Floor, Add* | *0.97* |
| | | *Note: Applied only to work area above 40'.* | |
| 09 91 13 00-0494 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim | 1.05 |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* |
| | | *Note: Applied only to work area above 15' to 20'.* | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* |
| | | *Note: Applied only to work area above 20'.* | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* |
| | | *Note: Applied only to work area above 30' to 40'.* | |
| | | *For Work >40' Above Floor, Add* | *0.44* |
| | | *Note: Applied only to work area above 40'.* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0495 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim | 1.14 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.49* | |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 13 00-0496 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim | 2.05 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.39* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.62* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.85* | |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 13 00-0497 | LF | 1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout | 1.79 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.80* | |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 13 00-0498 | LF | 2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout | 2.19 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.53* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.85* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.17* | |
| | | *Note: Applied only to work area above 40'.* | | |

## 09 91 13 00-0499 Paint Exterior Wood Trim *(09 91 13 00-0489)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0500 | SF | 1 Coat Primer, Brush Work, Paint Exterior Wood Trim | 1.68 | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.68* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.00* | |
| | | *For >100 To 250, Add* | *0.48* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.25* | |
| | | *For >20,000, Deduct* | *-0.34* | |
| 09 91 13 00-0501 | SF | 1 Coat Paint, Brush Work, Paint Exterior Wood Trim | 1.82 | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.54* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.74* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.08* | |
| | | *For >100 To 250, Add* | *0.52* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.27* | |
| | | *For >20,000, Deduct* | *-0.36* | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0502 | SF | 2 Coats Paint, Brush Work, Paint Exterior Wood Trim | 3.35 | |
| | | *For Oil Based Paint, Add* | *0.22* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.60* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.95* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.31* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.93* | |
| | | *For >100 To 250, Add* | *0.93* | |
| | | *For >250 To 500, Add* | *0.41* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.17* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.34* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.50* | |
| | | *For >20,000, Deduct* | *-0.67* | |
| 09 91 13 00-0503 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim | 1.37 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.76* | |
| | | *For >100 To 250, Add* | *0.37* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.21* | |
| | | *For >20,000, Deduct* | *-0.27* | |
| 09 91 13 00-0504 | SF | 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim | 1.52 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.57* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.85* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.23* | |
| | | *For >20,000, Deduct* | *-0.30* | |
| 09 91 13 00-0505 | SF | 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim | 2.85 | |
| | | *For Oil Based Paint, Add* | *0.19* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.75* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.03* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.56* | |
| | | *For >100 To 250, Add* | *0.76* | |
| | | *For >250 To 500, Add* | *0.33* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.14* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.29* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.43* | |
| | | *For >20,000, Deduct* | *-0.57* | |
| 09 91 13 00-0506 | SF | 1 Coat Primer, Sprayed, Paint Exterior Wood Trim | 1.19 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 13 00-0507 | SF | 1 Coat Paint, Sprayed, Paint Exterior Wood Trim | 1.32 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.67* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 13 00-0508 | SF | 2 Coats Paint, Sprayed, Paint Exterior Wood Trim | 2.52 | |
| | | *For Oil Based Paint, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.80* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.25* | |
| | | *For >100 To 250, Add* | *0.61* | |
| | | *For >250 To 500, Add* | *0.27* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.25* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.38* | |
| | | *For >20,000, Deduct* | *-0.50* | |

### 09 91 13 00-0509 Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*

| | | | | |
|---|---|---|---|---|
| 09 91 13 00-0510 | SF | 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces | 1.40 | |
| | | *For Epoxy Paint, Add* | *0.19* | |
| | | *For Electrostatic Painting, Add* | *0.20* | |
| 09 91 13 00-0511 | SF | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces | 1.26 | |
| | | *For Epoxy Paint, Add* | *0.14* | |
| | | *For Electrostatic Painting, Add* | *0.16* | |
| 09 91 13 00-0512 | SF | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces | 2.57 | |
| | | *For Epoxy Paint, Add* | *0.29* | |
| | | *For Electrostatic Painting, Add* | *0.34* | |

## 09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0339 for additional interior materials.

### 09 91 23 00-0001 Paint Interior Walls *(09 91 23)*

### 09 91 23 00-0002 Paint Interior Brick Walls *(09 91 23 00-0001)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0003 | SF | 1 Coat Filler, Brush Work, Paint Interior Brick Walls | 1.04 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.64* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0004 | SF | 1 Coat Paint, Brush Work, Paint Interior Brick Walls | 1.19 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.74* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |
| 09 91 23 00-0005 | SF | 2 Coat Paint, Brush Work, Paint Interior Brick Walls | 2.15 | |
| | | *For Oil Based Paint, Add* | *0.13* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.65* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.89* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.29* | |
| | | *For >100 To 250, Add* | *0.62* | |
| | | *For >250 To 500, Add* | *0.27* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.32* | |
| | | *For >20,000, Deduct* | *-0.43* | |
| 09 91 23 00-0006 | SF | 1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls | 0.86 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 91 23 00-0007 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls | 1.07 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 23 00-0008 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls | 1.85 | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.69* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.03* | |
| | | *For >100 To 250, Add* | *0.50* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.28* | |
| | | *For >20,000, Deduct* | *-0.37* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0009 | SF | 1 Coat Filler, Sprayed, Paint Interior Brick Walls | 0.79 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| | | *For Backroll, Add* | *0.09* | |
| 09 91 23 00-0010 | SF | 1 Coat Paint, Sprayed, Paint Interior Brick Walls | 0.90 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.45* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| | | *For Backroll, Add* | *0.10* | |
| 09 91 23 00-0011 | SF | 2 Coats Paint, Sprayed, Paint Interior Brick Walls | 1.54 | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.77* | |
| | | *For >100 To 250, Add* | *0.38* | |
| | | *For >250 To 500, Add* | *0.17* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.23* | |
| | | *For >20,000, Deduct* | *-0.31* | |
| | | *For Backroll, Add* | *0.17* | |
| 09 91 23 00-0012 | SF | 1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls | 1.08 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| 09 91 23 00-0013 | SF | 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls | 0.90 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0014 | SF | 1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls | 0.84 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| | | *For Backroll, Add* | *0.10* | |
| 09 91 23 00-0015 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls | 0.20 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.13* | |
| | | *For >100 To 250, Add* | *0.06* | |
| | | *For >250 To 500, Add* | *0.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.04* | |

## 09 91 23 00-0016 Paint Interior Concrete Walls *(09 91 23 00-0001)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0017 | SF | 1 Coat Filler, Brush Work, Paint Interior Concrete Walls | 0.88 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.55* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| 09 91 23 00-0018 | SF | 1 Coat Paint, Brush Work, Paint Interior Concrete Walls | 0.95 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.44* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.62* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.19* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0019 | SF | 2 Coats Paint, Brush Work, Paint Interior Concrete Walls | 1.74 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Epoxy Paint, Add* | *0.16* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.60* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.82* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.16* | |
| | | *For >100 To 250, Add* | *0.55* | |
| | | *For >250 To 500, Add* | *0.24* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.26* | |
| | | *For >20,000, Deduct* | *-0.35* | |
| 09 91 23 00-0020 | SF | 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls | 0.72 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.43* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| 09 91 23 00-0021 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls | 0.80 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 91 23 00-0022 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls | 1.47 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Epoxy Paint, Add* | *0.16* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.64* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.92* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.22* | |
| | | *For >20,000, Deduct* | *-0.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0023 | SF | 1 Coat Filler, Sprayed, Paint Interior Concrete Walls | 0.64 | |
| | | *For Oil Based Paint, Add* | *0.04* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.34* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.13* | |
| | | *For Backroll, Add* | *0.07* | |
| 09 91 23 00-0024 | SF | 1 Coat Paint, Sprayed, Paint Interior Concrete Walls | 0.72 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.43* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| | | *For Backroll, Add* | *0.09* | |
| 09 91 23 00-0025 | SF | 2 Coats Paint, Sprayed, Paint Interior Concrete Walls | 1.17 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Epoxy Paint, Add* | *0.17* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| | | *For Backroll, Add* | *0.14* | |
| 09 91 23 00-0026 | SF | 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls | 0.91 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.55* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0027 | SF | 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls | 0.75 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.43* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| 09 91 23 00-0028 | SF | 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls | 0.68 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.35* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| | | *For Backroll, Add* | *0.08* | |
| 09 91 23 00-0029 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls | 0.16 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.05* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.10* | |
| | | *For >100 To 250, Add* | *0.05* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.02* | |
| | | *For >20,000, Deduct* | *-0.03* | |

## 09 91 23 00-0030 Paint Interior Concrete Block Walls *(09 91 23 00-0001)*

## 09 91 23 00-0031 Paint Interior Concrete Block Walls, Epoxy Paint *(09 91 23 00-0030)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0032 | LF | 1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls | 0.51 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.18* | |
| | | *For >100 To 250, Add* | *0.09* | |
| | | *For >250 To 500, Add* | *0.04* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.05* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.08* | |
| | | *For >20,000, Deduct* | *-0.10* | |
| 09 91 23 00-0033 | SF | 1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls | 1.24 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.73* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.25* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0034 | SF | 1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls | 1.43 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.44* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.60* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.87* | |
| | | *For >100 To 250, Add* | *0.42* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.21* | |
| | | *For >20,000, Deduct* | *-0.29* | |
| 09 91 23 00-0035 | SF | 2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls | 2.56 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.75* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.03* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.51* | |
| | | *For >100 To 250, Add* | *0.73* | |
| | | *For >250 To 500, Add* | *0.32* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.26* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.38* | |
| | | *For >20,000, Deduct* | *-0.51* | |
| 09 91 23 00-0036 | SF | 1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls | 1.03 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 23 00-0037 | SF | 1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls | 1.13 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.64* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| 09 91 23 00-0038 | SF | 2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls | 2.14 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.80* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.20* | |
| | | *For >100 To 250, Add* | *0.58* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.32* | |
| | | *For >20,000, Deduct* | *-0.43* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0039 | SF | 1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls | 0.89 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.42* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| | | *For Backroll, Add* | *0.09* | |
| 09 91 23 00-0040 | SF | 1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls | 1.08 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.56* | |
| | | *For >100 To 250, Add* | *0.27* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| | | *For Backroll, Add* | *0.12* | |
| 09 91 23 00-0041 | SF | 2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls | 1.96 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.44* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.60* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.95* | |
| | | *For >100 To 250, Add* | *0.47* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.39* | |
| | | *For Backroll, Add* | *0.21* | |

## 09 91 23 00-0042 Paint Interior Concrete Block Walls, Acrylic Latex Paint *(09 91 23 00-0030)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0043 | SF | 1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls | 1.13 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.71* | |
| | | *For >100 To 250, Add* | *0.34* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0044 | SF | 1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls | 1.35 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.83* | |
| | | *For >100 To 250, Add* | *0.40* | |
| | | *For >250 To 500, Add* | *0.17* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.27* | |
| 09 91 23 00-0045 | SF | 2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls | 2.46 | |
| | | *For Oil Based Paint, Add* | *0.15* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.74* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.02* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.49* | |
| | | *For >100 To 250, Add* | *0.71* | |
| | | *For >250 To 500, Add* | *0.31* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.25* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.37* | |
| | | *For >20,000, Deduct* | *-0.49* | |
| 09 91 23 00-0046 | SF | 1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls | 1.50 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.64* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.92* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.23* | |
| | | *For >20,000, Deduct* | *-0.30* | |
| 09 91 23 00-0047 | SF | 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls | 0.97 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.59* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 23 00-0048 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls | 1.15 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.68* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0049 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls | 2.07 | |
| | | *For Oil Based Paint, Add* | *0.13* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.59* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.81* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.19* | |
| | | *For >100 To 250, Add* | *0.57* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.31* | |
| | | *For >20,000, Deduct* | *-0.41* | |
| 09 91 23 00-0050 | SF | 1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls | 1.29 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.52* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.76* | |
| | | *For >100 To 250, Add* | *0.37* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 23 00-0051 | SF | 1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls | 0.89 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.49* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| | | *For Backroll, Add* | *0.10* | |
| 09 91 23 00-0052 | SF | 1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls | 1.04 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.55* | |
| | | *For >100 To 250, Add* | *0.27* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| | | *For Backroll, Add* | *0.12* | |
| 09 91 23 00-0053 | SF | 2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls | 1.71 | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.54* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.85* | |
| | | *For >100 To 250, Add* | *0.42* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.26* | |
| | | *For >20,000, Deduct* | *-0.34* | |
| | | *For Backroll, Add* | *0.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0054 | SF | 1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls | 1.20 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.63* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |
| | | *For Backroll, Add* | *0.14* | |
| 09 91 23 00-0055 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls | 0.22 | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.14* | |
| | | *For >100 To 250, Add* | *0.06* | |
| | | *For >250 To 500, Add* | *0.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.04* | |

## 09 91 23 00-0056 Paint Interior Concrete Block Walls With Bonding Agent *(09 91 23 00-0030)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0057 | SF | 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls | 1.17 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 250, Add* | *0.34* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| 09 91 23 00-0058 | SF | 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls | 1.01 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 23 00-0059 | SF | 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls | 0.95 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.50* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| | | *For Backroll, Add* | *0.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0060 | | Paint Interior Plaster/Drywall Walls *(09 91 23 00-0001)* | | |
| 09 91 23 00-0061 | | Paint Interior Plaster/Drywall Walls *(09 91 23 00-0060)* | | |
| 09 91 23 00-0062 | SF | 1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls | 0.92 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Orange Peel Finish, Add* | *0.13* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.58* | |
| | | *For >100 To 250, Add* | *0.27* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| 09 91 23 00-0063 | SF | 1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls | 0.96 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Orange Peel Finish, Add* | *0.13* | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.63* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 23 00-0064 | SF | 2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls | 1.76 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Orange Peel Finish, Add* | *0.24* | |
| | | *For Epoxy Paint, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.80* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.14* | |
| | | *For >100 To 250, Add* | *0.54* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.26* | |
| | | *For >20,000, Deduct* | *-0.35* | |
| 09 91 23 00-0065 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls | 0.74 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Orange Peel Finish, Add* | *0.10* | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.15* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0066 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls | 0.83 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Orange Peel Finish, Add* | *0.11* | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.52* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 91 23 00-0067 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls | 1.49 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Orange Peel Finish, Add* | *0.20* | |
| | | *For Epoxy Paint, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.63* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.91* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.22* | |
| | | *For >20,000, Deduct* | *-0.30* | |
| 09 91 23 00-0068 | SF | 1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls | 0.67 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.36* | |
| | | *For >100 To 250, Add* | *0.18* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.13* | |
| | | *For Backroll, Add* | *0.08* | |
| 09 91 23 00-0069 | SF | 1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls | 0.72 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.43* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| | | *For Backroll, Add* | *0.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0070 | SF | 2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls | 1.17 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Epoxy Paint, Add* | *0.17* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| | | *For Backroll, Add* | *0.14* | |
| 09 91 23 00-0071 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls | 0.17 | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.11* | |
| | | *For >100 To 250, Add* | *0.05* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.03* | |

## 09 91 23 00-0072 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint *(09 91 23 00-0060)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0073 | SF | 2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls | 2.06 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.87* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.20* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.31* | |
| | | *For >20,000, Deduct* | *-0.41* | |
| 09 91 23 00-0074 | SF | 3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls | 2.25 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.90* | |
| | | *For >100 To 250, Add* | *0.46* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.23* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.34* | |
| | | *For >20,000, Deduct* | *-0.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0075 | SF | 4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls | 2.44 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.92* | |
| | | *For >100 To 250, Add* | *0.48* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.24* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.37* | |
| | | *For >20,000, Deduct* | *-0.49* | |

## 09 91 23 00-0076 Paint Interior Plaster/Drywall Walls, Acoustic Texture *(09 91 23 00-0060)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0077 | SF | 1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls | 0.82 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 91 23 00-0078 | SF | 1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls | 0.96 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.54* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 23 00-0079 | SF | 2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls | 1.52 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.78* | |
| | | *For >100 To 250, Add* | *0.38* | |
| | | *For >250 To 500, Add* | *0.17* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.23* | |
| | | *For >20,000, Deduct* | *-0.30* | |
| 09 91 23 00-0080 | SF | Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls | 1.46 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.54* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.74* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.02* | |
| | | *For >100 To 250, Add* | *0.48* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.22* | |
| | | *For >20,000, Deduct* | *-0.29* | |

## 09 91 23 00-0081 Paint Interior Metal Walls *(09 91 23 00-0001)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0082 | | Paint Interior Galvanized Walls *(09 91 23 00-0081)* | | |
| | | Note: Linseed oil or acrylic latex paint. | | |
| 09 91 23 00-0083 | SF | 1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces | 1.19 | |
| | | *For Electrostatic Painting, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.66* | |
| | | *For >100 To 250, Add* | *0.32* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |
| 09 91 23 00-0084 | SF | 1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces | 1.30 | |
| | | *For Electrostatic Painting, Add* | *0.19* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 23 00-0085 | SF | 2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces | 2.40 | |
| | | *For Electrostatic Painting, Add* | *0.36* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.65* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.89* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.33* | |
| | | *For >100 To 250, Add* | *0.65* | |
| | | *For >250 To 500, Add* | *0.28* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.24* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.36* | |
| | | *For >20,000, Deduct* | *-0.48* | |
| 09 91 23 00-0086 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls | 0.90 | |
| | | *For Electrostatic Painting, Add* | *0.14* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.48* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| 09 91 23 00-0087 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall | 1.03 | |
| | | *For Electrostatic Painting, Add* | *0.15* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.39* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0088 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls | 1.94 | |
| | | *For Electrostatic Painting, Add* | *0.29* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.70* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.06* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.39* | |
| 09 91 23 00-0089 | SF | 1 Coat Primer, Sprayed, Paint Interior Galvanized Walls | 0.81 | |
| | | *For Electrostatic Painting, Add* | *0.15* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.34* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| | | *For Backroll, Add* | *0.08* | |
| 09 91 23 00-0090 | SF | 1 Coat Paint, Sprayed, Paint Interior Galvanized Walls | 1.03 | |
| | | *For Electrostatic Painting, Add* | *0.17* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| | | *For Backroll, Add* | *0.11* | |
| 09 91 23 00-0091 | SF | 2 Coats Paint, Sprayed, Paint Interior Galvanized Walls | 1.76 | |
| | | *For Electrostatic Painting, Add* | *0.31* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.48* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.79* | |
| | | *For >100 To 250, Add* | *0.39* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.26* | |
| | | *For >20,000, Deduct* | *-0.35* | |
| | | *For Backroll, Add* | *0.18* | |

09 91 23 00-0092 Paint Interior Aluminum And Aluminum Alloy Walls *(09 91 23 00-0081)*
Note: Alkyd enamel paint.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0093 | SF | 1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces | 1.19 | |
| | | *For Electrostatic Painting, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.66* | |
| | | *For >100 To 250, Add* | *0.32* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |
| 09 91 23 00-0094 | SF | 1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces | 1.30 | |
| | | *For Electrostatic Painting, Add* | *0.19* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 23 00-0095 | SF | 2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces | 2.38 | |
| | | *For Electrostatic Painting, Add* | *0.35* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.65* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.89* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.33* | |
| | | *For >100 To 250, Add* | *0.64* | |
| | | *For >250 To 500, Add* | *0.28* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.24* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.36* | |
| | | *For >20,000, Deduct* | *-0.48* | |
| 09 91 23 00-0096 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls | 1.02 | |
| | | *For Electrostatic Painting, Add* | *0.17* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.50* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 23 00-0097 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls | 1.14 | |
| | | *For Electrostatic Painting, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.39* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.59* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0098 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls | 2.17 | |
| | | *For Electrostatic Painting, Add* | *0.35* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.70* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.09* | |
| | | *For >100 To 250, Add* | *0.54* | |
| | | *For >250 To 500, Add* | *0.24* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.33* | |
| | | *For >20,000, Deduct* | *-0.43* | |
| 09 91 23 00-0099 | SF | 1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls | 0.88 | |
| | | *For Electrostatic Painting, Add* | *0.15* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.40* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| | | *For Backroll, Add* | *0.09* | |
| 09 91 23 00-0100 | SF | 1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls | 1.03 | |
| | | *For Electrostatic Painting, Add* | *0.17* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| | | *For Backroll, Add* | *0.11* | |
| 09 91 23 00-0101 | SF | 2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls | 1.76 | |
| | | *For Electrostatic Painting, Add* | *0.31* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.48* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.79* | |
| | | *For >100 To 250, Add* | *0.39* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.26* | |
| | | *For >20,000, Deduct* | *-0.35* | |
| | | *For Backroll, Add* | *0.18* | |

09 91 23 00-0102 Paint Interior Corrugated Metal Walls *(09 91 23 00-0081)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0103 | SF | 1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls | 0.99 | |
| | | *For Electrostatic Painting, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| | | *For Backroll, Add* | *0.10* | |
| 09 91 23 00-0104 | SF | 1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls | 1.29 | |
| | | *For Electrostatic Painting, Add* | *0.21* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.66* | |
| | | *For >100 To 250, Add* | *0.32* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| | | *For Backroll, Add* | *0.14* | |
| 09 91 23 00-0105 | SF | 2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls | 2.19 | |
| | | *For Electrostatic Painting, Add* | *0.37* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.64* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.03* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.33* | |
| | | *For >20,000, Deduct* | *-0.44* | |
| | | *For Backroll, Add* | *0.23* | |

## 09 91 23 00-0106 Paint Interior Stucco Walls *(09 91 23 00-0001)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0107 | SF | 1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces | 1.51 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.70* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.99* | |
| | | *For >100 To 250, Add* | *0.47* | |
| | | *For >250 To 500, Add* | *0.20* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.23* | |
| | | *For >20,000, Deduct* | *-0.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0108 | SF | 1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces | 1.65 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.56* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.76* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.08* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.25* | |
| | | *For >20,000, Deduct* | *-0.33* | |
| 09 91 23 00-0109 | SF | 2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces | 2.94 | |
| | | *For Oil Based Paint, Add* | *0.17* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.60* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.96* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.33* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.89* | |
| | | *For >100 To 250, Add* | *0.90* | |
| | | *For >250 To 500, Add* | *0.39* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.15* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.29* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.44* | |
| | | *For >20,000, Deduct* | *-0.59* | |
| 09 91 23 00-0110 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces | 1.15 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| 09 91 23 00-0111 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces | 1.30 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.57* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.82* | |
| | | *For >100 To 250, Add* | *0.39* | |
| | | *For >250 To 500, Add* | *0.17* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 23 00-0112 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces | 2.40 | |
| | | *For Oil Based Paint, Add* | *0.15* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.75* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.03* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.48* | |
| | | *For >100 To 250, Add* | *0.71* | |
| | | *For >250 To 500, Add* | *0.31* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.24* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.36* | |
| | | *For >20,000, Deduct* | *-0.48* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0113 | SF | 1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces | 0.87 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.50* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| | | *For Backroll, Add* | *0.10* | |
| 09 91 23 00-0114 | SF | 1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces | 1.08 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.61* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| | | *For Backroll, Add* | *0.13* | |
| 09 91 23 00-0115 | SF | 2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces | 2.07 | |
| | | *For Oil Based Paint, Add* | *0.13* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.59* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.81* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.19* | |
| | | *For >100 To 250, Add* | *0.57* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.31* | |
| | | *For >20,000, Deduct* | *-0.41* | |
| | | *For Backroll, Add* | *0.25* | |
| 09 91 23 00-0116 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces | 0.27 | |
| | | *For Oil Based Paint, Add* | *0.02* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.18* | |
| | | *For >100 To 250, Add* | *0.08* | |
| | | *For >250 To 500, Add* | *0.04* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.03* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.04* | |
| | | *For >20,000, Deduct* | *-0.05* | |

09 91 23 00-0117 Paint Interior Wood Walls *(09 91 23 00-0001)*

09 91 23 00-0118 Interior Wood Walls *(09 91 23 00-0117)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0119 | SF | 1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces | 1.13 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.52* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.73* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| 09 91 23 00-0120 | SF | 2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces | 2.07 | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.68* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.93* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.32* | |
| | | *For >100 To 250, Add* | *0.63* | |
| | | *For >250 To 500, Add* | *0.27* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.31* | |
| | | *For >20,000, Deduct* | *-0.41* | |
| 09 91 23 00-0121 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls | 0.81 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.49* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 91 23 00-0122 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls | 0.92 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.58* | |
| | | *For >100 To 250, Add* | *0.27* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| 09 91 23 00-0123 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls | 1.63 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.69* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.99* | |
| | | *For >100 To 250, Add* | *0.48* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.24* | |
| | | *For >20,000, Deduct* | *-0.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0124 | SF | 1 Coat Primer, Sprayed, Paint Interior Wood Walls | 0.63 | |
| | | *For Oil Based Paint, Add* | *0.04* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.33* | |
| | | *For >100 To 250, Add* | *0.16* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.09* | |
| | | *For >20,000, Deduct* | *-0.13* | |
| | | *For Backroll, Add* | *0.07* | |
| 09 91 23 00-0125 | SF | 1 Coat Paint, Sprayed, Paint Interior Wood Walls | 0.79 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| | | *For Backroll, Add* | *0.09* | |
| 09 91 23 00-0126 | SF | 2 Coats Paint, Sprayed, Paint Interior Wood Walls | 1.46 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.78* | |
| | | *For >100 To 250, Add* | *0.38* | |
| | | *For >250 To 500, Add* | *0.17* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.22* | |
| | | *For >20,000, Deduct* | *-0.29* | |
| | | *For Backroll, Add* | *0.17* | |
| 09 91 23 00-0127 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces | 0.19 | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.12* | |
| | | *For >100 To 250, Add* | *0.06* | |
| | | *For >250 To 500, Add* | *0.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.04* | |

09 91 23 00-0128 Paint Interior Ceilings *(09 91 23)*

09 91 23 00-0129 Paint Interior Acoustical Ceilings *(09 91 23 00-0128)*
Note: Includes grid.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0130 | SF | 1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling | 1.00 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.64* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 23 00-0131 | SF | 1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling | 1.08 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 250, Add* | *0.34* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| 09 91 23 00-0132 | SF | 2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling | 1.92 | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.65* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.89* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.26* | |
| | | *For >100 To 250, Add* | *0.60* | |
| | | *For >250 To 500, Add* | *0.26* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.38* | |
| 09 91 23 00-0133 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling | 0.87 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.54* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 91 23 00-0134 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling | 0.84 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.54* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0135 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling | 1.58 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.70* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.01* | |
| | | *For >100 To 250, Add* | *0.48* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.24* | |
| | | *For >20,000, Deduct* | *-0.32* | |
| 09 91 23 00-0136 | SF | 1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling | 0.81 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.47* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| | | *For Backroll, Add* | *0.10* | |
| 09 91 23 00-0137 | SF | 1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling | 0.78 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.47* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| | | *For Backroll, Add* | *0.10* | |
| 09 91 23 00-0138 | SF | 2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling | 1.27 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.49* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.25* | |
| | | *For Backroll, Add* | *0.15* | |
| 09 91 23 00-0139 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling | 0.32 | |
| | | *For Oil Based Paint, Add* | *0.02* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.15* | |
| | | *For >100 To 250, Add* | *0.07* | |
| | | *For >250 To 500, Add* | *0.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.02* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.03* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.05* | |
| | | *For >20,000, Deduct* | *-0.06* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0140 | | Paint Interior Concrete Ceilings *(09 91 23 00-0128)* | | |
| 09 91 23 00-0141 | SF | 1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling | 1.00 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.64* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 23 00-0142 | SF | 1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling | 1.08 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 250, Add* | *0.34* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| 09 91 23 00-0143 | SF | 2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling | 1.92 | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Epoxy Paint, Add* | *0.19* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.65* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.89* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.26* | |
| | | *For >100 To 250, Add* | *0.60* | |
| | | *For >250 To 500, Add* | *0.26* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.38* | |
| 09 91 23 00-0144 | SF | 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling | 0.77 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.15* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0145 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling | 0.85 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.39* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.55* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 91 23 00-0146 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling | 1.58 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Epoxy Paint, Add* | *0.17* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.70* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.01* | |
| | | *For >100 To 250, Add* | *0.48* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.24* | |
| | | *For >20,000, Deduct* | *-0.32* | |
| 09 91 23 00-0147 | SF | 1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling | 0.77 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| | | *For Backroll, Add* | *0.09* | |
| 09 91 23 00-0148 | SF | 1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling | 0.78 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.47* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| | | *For Backroll, Add* | *0.10* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0149 | SF | 2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling | 1.25 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Epoxy Paint, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.48* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.71* | |
| | | *For >100 To 250, Add* | *0.34* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.25* | |
| | | *For Backroll, Add* | *0.15* | |
| 09 91 23 00-0150 | SF | 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling | 1.03 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.64* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 23 00-0151 | SF | 1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling | 0.80 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.47* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 91 23 00-0152 | SF | 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling | 0.81 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.45* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| | | *For Backroll, Add* | *0.09* | |
| 09 91 23 00-0153 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling | 0.18 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.12* | |
| | | *For >100 To 250, Add* | *0.06* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.04* | |

09 91 23 00-0154 Paint Interior Drywall/Plaster Ceilings *(09 91 23 00-0128)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0155 | SF | 1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling | 1.00 | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Orange Peel Finish, Add* | *0.14* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.64* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 23 00-0156 | SF | 1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling | 1.08 | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Orange Peel Finish, Add* | *0.15* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 250, Add* | *0.34* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| 09 91 23 00-0157 | SF | 2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling | 1.92 | |
| | | *For Epoxy Paint, Add* | *0.19* | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Orange Peel Finish, Add* | *0.27* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.65* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.89* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.26* | |
| | | *For >100 To 250, Add* | *0.60* | |
| | | *For >250 To 500, Add* | *0.26* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.38* | |
| 09 91 23 00-0158 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling | 0.87 | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Orange Peel Finish, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.54* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0159 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling | 0.84 | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Orange Peel Finish, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.54* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 91 23 00-0160 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling | 1.58 | |
| | | *For Epoxy Paint, Add* | *0.17* | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Orange Peel Finish, Add* | *0.22* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.70* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.01* | |
| | | *For >100 To 250, Add* | *0.48* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.24* | |
| | | *For >20,000, Deduct* | *-0.32* | |
| 09 91 23 00-0161 | SF | 1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling | 0.81 | |
| | | *For Epoxy Paint, Add* | *0.11* | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.47* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| | | *For Backroll, Add* | *0.10* | |
| 09 91 23 00-0162 | SF | 1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling | 0.78 | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.47* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| | | *For Backroll, Add* | *0.10* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0163 | SF | 2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling | 1.27 | |
| | | *For Epoxy Paint, Add* | *0.18* | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.49* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.25* | |
| | | *For Backroll, Add* | *0.15* | |
| 09 91 23 00-0164 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling | 0.18 | |
| | | *For Epoxy Paint, Add* | *0.02* | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.06* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.12* | |
| | | *For >100 To 250, Add* | *0.06* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.04* | |

09 91 23 00-0165 Paint Interior Metal Ceilings *(09 91 23 00-0128)*

09 91 23 00-0166 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0165)*

Note: Linseed oil or acrylic latex paint.

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0167 | SF | 1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling | 1.30 | |
| | | *For Electrostatic Painting, Add* | *0.19* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 23 00-0168 | SF | 1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling | 1.43 | |
| | | *For Electrostatic Painting, Add* | *0.20* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.84* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.21* | |
| | | *For >20,000, Deduct* | *-0.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0169 | SF | 2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling | 2.62 | |
| | | *For Electrostatic Painting, Add* | *0.38* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.74* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.02* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.51* | |
| | | *For >100 To 250, Add* | *0.73* | |
| | | *For >250 To 500, Add* | *0.32* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.26* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.39* | |
| | | *For >20,000, Deduct* | *-0.52* | |
| 09 91 23 00-0170 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling | 1.02 | |
| | | *For Electrostatic Painting, Add* | *0.15* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.39* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 23 00-0171 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling | 1.13 | |
| | | *For Electrostatic Painting, Add* | *0.16* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.66* | |
| | | *For >100 To 250, Add* | *0.32* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| 09 91 23 00-0172 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling | 2.09 | |
| | | *For Electrostatic Painting, Add* | *0.30* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.22* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.80* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.19* | |
| | | *For >100 To 250, Add* | *0.57* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.31* | |
| | | *For >20,000, Deduct* | *-0.42* | |
| 09 91 23 00-0173 | SF | 1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling | 1.03 | |
| | | *For Electrostatic Painting, Add* | *0.17* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| | | *For Backroll, Add* | *0.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0174 | SF | 1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling | 1.17 | |
| | | *For Electrostatic Painting, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.61* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| | | *For Backroll, Add* | *0.13* | |
| 09 91 23 00-0175 | SF | 2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling | 1.91 | |
| | | *For Electrostatic Painting, Add* | *0.32* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.56* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.90* | |
| | | *For >100 To 250, Add* | *0.45* | |
| | | *For >250 To 500, Add* | *0.20* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.38* | |
| | | *For Backroll, Add* | *0.20* | |

## 09 91 23 00-0176 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0165)*

Note: Alkyd enamel paint.

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0177 | SF | 1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling | 1.30 | |
| | | *For Electrostatic Painting, Add* | *0.19* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 23 00-0178 | SF | 1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling | 1.43 | |
| | | *For Electrostatic Painting, Add* | *0.20* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.84* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.21* | |
| | | *For >20,000, Deduct* | *-0.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0179 | SF | 2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling | 2.62 | |
| | | *For Electrostatic Painting, Add* | *0.38* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.74* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.02* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.51* | |
| | | *For >100 To 250, Add* | *0.73* | |
| | | *For >250 To 500, Add* | *0.32* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.26* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.39* | |
| | | *For >20,000, Deduct* | *-0.52* | |
| 09 91 23 00-0180 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling | 1.14 | |
| | | *For Electrostatic Painting, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.39* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.59* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| 09 91 23 00-0181 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling | 1.25 | |
| | | *For Electrostatic Painting, Add* | *0.19* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.67* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.25* | |
| 09 91 23 00-0182 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling | 2.39 | |
| | | *For Electrostatic Painting, Add* | *0.37* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.60* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.83* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.26* | |
| | | *For >100 To 250, Add* | *0.61* | |
| | | *For >250 To 500, Add* | *0.27* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.24* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.36* | |
| | | *For >20,000, Deduct* | *-0.48* | |
| 09 91 23 00-0183 | SF | 1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling | 1.03 | |
| | | *For Electrostatic Painting, Add* | *0.17* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| | | *For Backroll, Add* | *0.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0184 | SF | 1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling | 1.17 | |
| | | *For Electrostatic Painting, Add* | *0.18* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.40* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.61* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| | | *For Backroll, Add* | *0.13* | |
| 09 91 23 00-0185 | SF | 2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling | 1.91 | |
| | | *For Electrostatic Painting, Add* | *0.32* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.56* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.90* | |
| | | *For >100 To 250, Add* | *0.45* | |
| | | *For >250 To 500, Add* | *0.20* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.38* | |
| | | *For Backroll, Add* | *0.20* | |

## 09 91 23 00-0186 Paint Interior Ceiling Tile Grid *(09 91 23 00-0165)*

Note: Grid only.

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0187 | LF | 1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid | 0.27 | |
| | | *For Electrostatic Painting, Add* | *0.04* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.05* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.17* | |
| | | *For >100 To 250, Add* | *0.08* | |
| | | *For >250 To 500, Add* | *0.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.03* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.04* | |
| | | *For >20,000, Deduct* | *-0.05* | |
| 09 91 23 00-0188 | LF | 2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid | 0.55 | |
| | | *For Electrostatic Painting, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.35* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.08* | |
| | | *For >20,000, Deduct* | *-0.11* | |

## 09 91 23 00-0189 Paint Interior Corrugated Metal Ceilings *(09 91 23 00-0165)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0190 | SF | 1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling | 1.37 | |
| | | *For Electrostatic Painting, Add* | *0.23* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.67* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.21* | |
| | | *For >20,000, Deduct* | *-0.27* | |
| | | *For Backroll, Add* | *0.15* | |
| 09 91 23 00-0191 | SF | 1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling | 1.56 | |
| | | *For Electrostatic Painting, Add* | *0.24* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.39* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.53* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.82* | |
| | | *For >100 To 250, Add* | *0.40* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.23* | |
| | | *For >20,000, Deduct* | *-0.31* | |
| | | *For Backroll, Add* | *0.18* | |
| 09 91 23 00-0192 | SF | 2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling | 2.55 | |
| | | *For Electrostatic Painting, Add* | *0.43* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.55* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.75* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.20* | |
| | | *For >100 To 250, Add* | *0.60* | |
| | | *For >250 To 500, Add* | *0.26* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.26* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.38* | |
| | | *For >20,000, Deduct* | *-0.51* | |
| | | *For Backroll, Add* | *0.26* | |

## 09 91 23 00-0193 Paint Interior Wood Ceilings *(09 91 23 00-0128)*

## 09 91 23 00-0194 Paint Interior Smooth Wood Ceilings *(09 91 23 00-0193)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0195 | SF | 1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling | 1.22 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.53* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.76* | |
| | | *For >100 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0196 | SF | 1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling | 1.28 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.58* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.82* | |
| | | *For >100 To 250, Add* | *0.39* | |
| | | *For >250 To 500, Add* | *0.17* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 23 00-0197 | SF | 2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling | 2.31 | |
| | | *For Oil Based Paint, Add* | *0.14* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.47* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.74* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.02* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.46* | |
| | | *For >100 To 250, Add* | *0.70* | |
| | | *For >250 To 500, Add* | *0.30* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.23* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.35* | |
| | | *For >20,000, Deduct* | *-0.46* | |
| 09 91 23 00-0198 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling | 1.00 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.39* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.57* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 91 23 00-0199 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling | 1.07 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 23 00-0200 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling | 2.03 | |
| | | *For Oil Based Paint, Add* | *0.13* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.60* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.83* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.20* | |
| | | *For >100 To 250, Add* | *0.58* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.30* | |
| | | *For >20,000, Deduct* | *-0.41* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0201 | SF | 1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling | 0.82 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.48* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| | | *For Backroll, Add* | *0.10* | |
| 09 91 23 00-0202 | SF | 1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling | 0.97 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.59* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| | | *For Backroll, Add* | *0.12* | |
| 09 91 23 00-0203 | SF | 2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling | 1.47 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.56* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.83* | |
| | | *For >100 To 250, Add* | *0.40* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.15* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.22* | |
| | | *For >20,000, Deduct* | *-0.29* | |
| | | *For Backroll, Add* | *0.18* | |
| 09 91 23 00-0204 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling | 0.21 | |
| | | *For Oil Based Paint, Add* | *0.01* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.04* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.13* | |
| | | *For >100 To 250, Add* | *0.06* | |
| | | *For >250 To 500, Add* | *0.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.04* | |

09 91 23 00-0205 Paint Interior Wood Beams *(09 91 23 00-0128)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0206 | SF | 1 Coat Primer, Brush Work, Paint Interior Wood Beams | 1.35 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.16* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.44* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.60* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.86* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.27* | |
| 09 91 23 00-0207 | SF | 1 Coat Paint, Brush Work, Paint Interior Wood Beams | 1.38 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.63* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.90* | |
| | | *For >100 To 250, Add* | *0.43* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.21* | |
| | | *For >20,000, Deduct* | *-0.28* | |
| 09 91 23 00-0208 | SF | 2 Coats Paint, Brush Work, Paint Interior Wood Beams | 2.52 | |
| | | *For Oil Based Paint, Add* | *0.15* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.52* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.83* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.14* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.62* | |
| | | *For >100 To 250, Add* | *0.77* | |
| | | *For >250 To 500, Add* | *0.33* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.25* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.38* | |
| | | *For >20,000, Deduct* | *-0.50* | |
| 09 91 23 00-0209 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams | 1.10 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.44* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| 09 91 23 00-0210 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams | 1.07 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.45* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0211 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams | 2.03 | |
| | | *For Oil Based Paint, Add* | *0.13* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.60* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.83* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.20* | |
| | | *For >100 To 250, Add* | *0.58* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.30* | |
| | | *For >20,000, Deduct* | *-0.41* | |
| 09 91 23 00-0212 | SF | 1 Coat Primer, Sprayed, Paint Interior Wood Beams | 0.97 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.59* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| | | *For Backroll, Add* | *0.12* | |
| 09 91 23 00-0213 | SF | 1 Coat Paint, Sprayed, Paint Interior Wood Beams | 0.97 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.59* | |
| | | *For >100 To 250, Add* | *0.28* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| | | *For Backroll, Add* | *0.12* | |
| 09 91 23 00-0214 | SF | 2 Coats Paint, Sprayed, Paint Interior Wood Beams | 1.60 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.29* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.63* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.93* | |
| | | *For >100 To 250, Add* | *0.45* | |
| | | *For >250 To 500, Add* | *0.20* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.24* | |
| | | *For >20,000, Deduct* | *-0.32* | |
| | | *For Backroll, Add* | *0.20* | |

## 09 91 23 00-0215 Dryfall Coating *(09 91 23 00-0128)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0216 | SF | Dryfall Interior Acrylic Ceiling Coating, 1 Coat, Sprayed | 0.55 | |
| | | *For Oil Based Paint, Add* | *0.03* | |
| | | *For Up To 100, Add* | *0.36* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.08* | |
| | | *For >20,000, Deduct* | *-0.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0217 | SF | Dryfall Interior Latex Ceiling Coating, 1 Coat, Sprayed | 0.58 | |
| | | *For Oil Based Paint, Add* | *0.04* | |
| | | *For Up To 100, Add* | *0.36* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.09* | |
| | | *For >20,000, Deduct* | *-0.12* | |

## 09 91 23 00-0218 Paint Interior Floors And Decks *(09 91 23)*

## 09 91 23 00-0219 Paint Interior Concrete Floors And Decks *(09 91 23 00-0218)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0220 | SF | 1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks | 0.77 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| 09 91 23 00-0221 | SF | 1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks | 0.84 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Up To 100, Add* | *0.54* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 91 23 00-0222 | SF | 2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks | 1.66 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Epoxy Paint, Add* | *0.17* | |
| | | *For Up To 100, Add* | *1.07* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.25* | |
| | | *For >20,000, Deduct* | *-0.33* | |
| 09 91 23 00-0223 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks | 0.76 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| 09 91 23 00-0224 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks | 0.73 | |
| | | *For Oil Based Paint, Add* | *0.04* | |
| | | *For Epoxy Paint, Add* | *0.08* | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| 09 91 23 00-0225 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks | 1.20 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Epoxy Paint, Add* | *0.15* | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |
| 09 91 23 00-0226 | SF | 1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks | 0.63 | |
| | | *For Oil Based Paint, Add* | *0.04* | |
| | | *For Epoxy Paint, Add* | *0.10* | |
| | | *For Up To 100, Add* | *0.33* | |
| | | *For >100 To 250, Add* | *0.16* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.09* | |
| | | *For >20,000, Deduct* | *-0.13* | |
| | | *For Backroll, Add* | *0.07* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0227 | SF | 1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks | 0.63 | |
| | | *For Oil Based Paint, Add* | *0.04* | |
| | | *For Epoxy Paint, Add* | *0.09* | |
| | | *For Up To 100, Add* | *0.36* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.09* | |
| | | *For >20,000, Deduct* | *-0.13* | |
| | | *For Backroll, Add* | *0.08* | |
| 09 91 23 00-0228 | SF | 2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks | 1.12 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Epoxy Paint, Add* | *0.17* | |
| | | *For Up To 100, Add* | *0.61* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| | | *For Backroll, Add* | *0.13* | |
| 09 91 23 00-0229 | SF | 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks | 0.80 | |
| | | *For Up To 100, Add* | *0.47* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 91 23 00-0230 | SF | 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks | 0.79 | |
| | | *For Up To 100, Add* | *0.46* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 91 23 00-0231 | SF | 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks | 0.67 | |
| | | *For Up To 100, Add* | *0.34* | |
| | | *For >100 To 250, Add* | *0.17* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.13* | |
| | | *For Backroll, Add* | *0.07* | |
| 09 91 23 00-0232 | SF | 1 Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks | 2.34 | |
| | | *For Up To 100, Add* | *0.77* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.23* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.35* | |
| | | *For >20,000, Deduct* | *-0.47* | |
| 09 91 23 00-0233 | SF | 1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251) | 6.83 | |
| | | *For Up To 100, Add* | *1.44* | |
| | | *For >100 To 250, Add* | *0.86* | |
| | | *For >250 To 500, Add* | *0.41* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.34* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.68* | |
| | | *For >10,000 To 20,000, Deduct* | *-1.02* | |
| | | *For >20,000, Deduct* | *-1.37* | |
| 09 91 23 00-0234 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks | 0.14 | |
| | | *For Up To 100, Add* | *0.09* | |
| | | *For >100 To 250, Add* | *0.04* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.01* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.02* | |
| | | *For >20,000, Deduct* | *-0.03* | |

## 09 91 23 00-0235 Paint Interior Wood Floors And Decks *(09 91 23 00-0218)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0236 | SF | 1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks | 0.96 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Up To 100, Add* | *0.56* | |
| | | *For >100 To 250, Add* | *0.27* | |
| | | *For >250 To 500, Add* | *0.12* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.19* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0237 | SF | 1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks | 1.04 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Up To 100, Add* | *0.64* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 23 00-0238 | SF | 2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks | 1.95 | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| | | *For Up To 100, Add* | *1.19* | |
| | | *For >100 To 250, Add* | *0.57* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.39* | |
| 09 91 23 00-0239 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks | 0.79 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Up To 100, Add* | *0.41* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 91 23 00-0240 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks | 0.84 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Up To 100, Add* | *0.47* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 91 23 00-0241 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks | 1.68 | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Up To 100, Add* | *0.94* | |
| | | *For >100 To 250, Add* | *0.46* | |
| | | *For >250 To 500, Add* | *0.20* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.25* | |
| | | *For >20,000, Deduct* | *-0.34* | |
| 09 91 23 00-0242 | SF | 1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks | 0.67 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Up To 100, Add* | *0.36* | |
| | | *For >100 To 250, Add* | *0.18* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.13* | |
| | | *For Backroll, Add* | *0.08* | |
| 09 91 23 00-0243 | SF | 1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks | 0.82 | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| | | *For Up To 100, Add* | *0.48* | |
| | | *For >100 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| | | *For Backroll, Add* | *0.10* | |
| 09 91 23 00-0244 | SF | 2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks | 1.20 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Up To 100, Add* | *0.63* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |
| | | *For Backroll, Add* | *0.14* | |
| 09 91 23 00-0245 | SF | 1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks | 2.34 | |
| | | *For Up To 100, Add* | *0.77* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.23* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.35* | |
| | | *For >20,000, Deduct* | *-0.47* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0246 | SF | 1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks | 6.83 | |
| | | *For Up To 100, Add* | *1.44* | |
| | | *For >100 To 250, Add* | *0.86* | |
| | | *For >250 To 500, Add* | *0.41* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.34* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.68* | |
| | | *For >10,000 To 20,000, Deduct* | *-1.02* | |
| | | *For >20,000, Deduct* | *-1.37* | |
| 09 91 23 00-0247 | LF | 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks | 0.17 | |
| | | *For Up To 100, Add* | *0.10* | |
| | | *For >100 To 250, Add* | *0.05* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.03* | |

## 09 91 23 00-0248 Paint Interior Doors And Windows *(09 91 23)*

## 09 91 23 00-0249 Paint Interior Door Frames *(09 91 23 00-0248)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0250 | LF | 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim | 1.14 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Painting One Face Of Frame Only, Deduct* | *-0.30* | |
| 09 91 23 00-0251 | LF | 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim | 1.47 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Painting One Face Of Frame Only, Deduct* | *-0.39* | |
| 09 91 23 00-0252 | LF | 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim | 2.48 | |
| | | *For Oil Based Paint, Add* | *0.14* | |
| | | *For Painting One Face Of Frame Only, Deduct* | *-0.65* | |
| 09 91 23 00-0253 | LF | 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim | 1.19 | |
| | | *For Oil Based Paint, Add* | *0.07* | |
| | | *For Painting One Face Of Frame Only, Deduct* | *-0.32* | |
| 09 91 23 00-0254 | LF | 1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim | 1.52 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Painting One Face Of Frame Only, Deduct* | *-0.41* | |
| 09 91 23 00-0255 | LF | 2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim | 2.55 | |
| | | *For Oil Based Paint, Add* | *0.14* | |
| | | *For Painting One Face Of Frame Only, Deduct* | *-0.68* | |

## 09 91 23 00-0256 Paint Interior Metal Doors *(09 91 23 00-0248)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0257 | EA | 1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door | 59.84 | |
| | | *For Electrostatic Painting, Add* | *9.91* | |
| | | *For Half Louvered Door, Add* | *5.05* | |
| | | *For Full Louvered Door, Add* | *8.42* | |
| | | *For Oil Based Paint, Add* | *4.30* | |
| | | *For >5 To 10, Deduct* | *-2.99* | |
| | | *For >10 To 25, Deduct* | *-5.98* | |
| | | *For >25, Deduct* | *-8.98* | |
| 09 91 23 00-0258 | EA | 1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door | 59.84 | |
| | | *For Electrostatic Painting, Add* | *9.91* | |
| | | *For Half Louvered Door, Add* | *5.05* | |
| | | *For Full Louvered Door, Add* | *8.42* | |
| | | *For Oil Based Paint, Add* | *4.30* | |
| | | *For >5 To 10, Deduct* | *-2.99* | |
| | | *For >10 To 25, Deduct* | *-5.98* | |
| | | *For >25, Deduct* | *-8.98* | |
| 09 91 23 00-0259 | EA | 2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door | 108.90 | |
| | | *For Electrostatic Painting, Add* | *18.70* | |
| | | *For Half Louvered Door, Add* | *8.53* | |
| | | *For Full Louvered Door, Add* | *14.22* | |
| | | *For Oil Based Paint, Add* | *8.05* | |
| | | *For >5 To 10, Deduct* | *-5.45* | |
| | | *For >10 To 25, Deduct* | *-10.89* | |
| | | *For >25, Deduct* | *-16.34* | |
| 09 91 23 00-0260 | EA | 1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door | 107.40 | |
| | | *For Electrostatic Painting, Add* | *17.80* | |
| | | *For Half Louvered Door, Add* | *9.05* | |
| | | *For Full Louvered Door, Add* | *15.09* | |
| | | *For Oil Based Paint, Add* | *7.72* | |
| | | *For >5 To 10, Deduct* | *-5.37* | |
| | | *For >10 To 25, Deduct* | *-10.74* | |
| | | *For >25, Deduct* | *-16.11* | |
| 09 91 23 00-0261 | EA | 1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door | 107.41 | |
| | | *For Electrostatic Painting, Add* | *17.80* | |
| | | *For Half Louvered Door, Add* | *9.05* | |
| | | *For Full Louvered Door, Add* | *15.09* | |
| | | *For Oil Based Paint, Add* | *7.72* | |
| | | *For >5 To 10, Deduct* | *-5.37* | |
| | | *For >10 To 25, Deduct* | *-10.74* | |
| | | *For >25, Deduct* | *-16.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0262 | EA | 2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door | 196.22 | |
| | | *For Electrostatic Painting, Add* | *33.74* | |
| | | *For Half Louvered Door, Add* | *15.32* | |
| | | *For Full Louvered Door, Add* | *25.53* | |
| | | *For Oil Based Paint, Add* | *14.52* | |
| | | *For >5 To 10, Deduct* | *-9.81* | |
| | | *For >10 To 25, Deduct* | *-19.62* | |
| | | *For >25, Deduct* | *-29.43* | |
| 09 91 23 00-0263 | EA | 1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door | 54.26 | |
| | | *For Electrostatic Painting, Add* | *9.75* | |
| | | *For Half Louvered Door, Add* | *3.82* | |
| | | *For Full Louvered Door, Add* | *6.37* | |
| | | *For Oil Based Paint, Add* | *4.15* | |
| | | *For >5 To 10, Deduct* | *-2.71* | |
| | | *For >10 To 25, Deduct* | *-5.43* | |
| | | *For >25, Deduct* | *-8.14* | |
| | | *For Backroll, Add* | *5.26* | |
| 09 91 23 00-0264 | EA | 1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door | 54.26 | |
| | | *For Electrostatic Painting, Add* | *9.75* | |
| | | *For Half Louvered Door, Add* | *3.82* | |
| | | *For Full Louvered Door, Add* | *6.37* | |
| | | *For Oil Based Paint, Add* | *4.15* | |
| | | *For >5 To 10, Deduct* | *-2.71* | |
| | | *For >10 To 25, Deduct* | *-5.43* | |
| | | *For >25, Deduct* | *-8.14* | |
| | | *For Backroll, Add* | *5.26* | |
| 09 91 23 00-0265 | EA | 2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door | 100.23 | |
| | | *For Electrostatic Painting, Add* | *18.61* | |
| | | *For Half Louvered Door, Add* | *6.45* | |
| | | *For Full Louvered Door, Add* | *10.75* | |
| | | *For Oil Based Paint, Add* | *7.87* | |
| | | *For >5 To 10, Deduct* | *-5.01* | |
| | | *For >10 To 25, Deduct* | *-10.02* | |
| | | *For >25, Deduct* | *-15.03* | |
| | | *For Backroll, Add* | *9.31* | |
| 09 91 23 00-0266 | EA | 1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door | 97.41 | |
| | | *For Electrostatic Painting, Add* | *17.51* | |
| | | *For Half Louvered Door, Add* | *6.85* | |
| | | *For Full Louvered Door, Add* | *11.41* | |
| | | *For Oil Based Paint, Add* | *7.46* | |
| | | *For >5 To 10, Deduct* | *-4.87* | |
| | | *For >10 To 25, Deduct* | *-9.74* | |
| | | *For >25, Deduct* | *-14.61* | |
| | | *For Backroll, Add* | *9.44* | |
| 09 91 23 00-0267 | EA | 1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door | 97.41 | |
| | | *For Electrostatic Painting, Add* | *17.51* | |
| | | *For Half Louvered Door, Add* | *6.85* | |
| | | *For Full Louvered Door, Add* | *11.41* | |
| | | *For Oil Based Paint, Add* | *7.46* | |
| | | *For >5 To 10, Deduct* | *-4.87* | |
| | | *For >10 To 25, Deduct* | *-9.74* | |
| | | *For >25, Deduct* | *-14.61* | |
| | | *For Backroll, Add* | *9.44* | |
| 09 91 23 00-0268 | EA | 2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door | 180.76 | |
| | | *For Electrostatic Painting, Add* | *33.60* | |
| | | *For Half Louvered Door, Add* | *11.59* | |
| | | *For Full Louvered Door, Add* | *19.31* | |
| | | *For Oil Based Paint, Add* | *14.21* | |
| | | *For >5 To 10, Deduct* | *-9.04* | |
| | | *For >10 To 25, Deduct* | *-18.08* | |
| | | *For >25, Deduct* | *-27.11* | |
| | | *For Backroll, Add* | *16.76* | |

## 09 91 23 00-0269 Paint Interior Wood Doors *(09 91 23 00-0248)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0270 | EA | 1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door | 51.50 | |
| | | *For Oil Based Paint, Add* | *3.47* | |
| | | *For Half Louvered Door, Add* | *5.05* | |
| | | *For Full Louvered Door, Add* | *8.42* | |
| | | *For >5 To 10, Deduct* | *-2.58* | |
| | | *For >10 To 25, Deduct* | *-5.15* | |
| | | *For >25, Deduct* | *-7.73* | |
| 09 91 23 00-0271 | EA | 1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door | 51.50 | |
| | | *For Oil Based Paint, Add* | *3.47* | |
| | | *For Half Louvered Door, Add* | *5.05* | |
| | | *For Full Louvered Door, Add* | *8.42* | |
| | | *For >5 To 10, Deduct* | *-2.58* | |
| | | *For >10 To 25, Deduct* | *-5.15* | |
| | | *For >25, Deduct* | *-7.73* | |
| 09 91 23 00-0272 | EA | 2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door | 92.31 | |
| | | *For Oil Based Paint, Add* | *6.39* | |
| | | *For Half Louvered Door, Add* | *8.53* | |
| | | *For Full Louvered Door, Add* | *14.22* | |
| | | *For >5 To 10, Deduct* | *-4.62* | |
| | | *For >10 To 25, Deduct* | *-9.23* | |
| | | *For >25, Deduct* | *-13.85* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0273 | EA | 1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door | 92.41 | |
| | | *For Oil Based Paint, Add* | *6.22* | |
| | | *For Half Louvered Door, Add* | *9.05* | |
| | | *For Full Louvered Door, Add* | *15.09* | |
| | | *For >5 To 10, Deduct* | *-4.62* | |
| | | *For >10 To 25, Deduct* | *-9.24* | |
| | | *For >25, Deduct* | *-13.86* | |
| 09 91 23 00-0274 | EA | 1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door | 92.41 | |
| | | *For Oil Based Paint, Add* | *6.22* | |
| | | *For Half Louvered Door, Add* | *9.05* | |
| | | *For Full Louvered Door, Add* | *15.09* | |
| | | *For >5 To 10, Deduct* | *-4.62* | |
| | | *For >10 To 25, Deduct* | *-9.24* | |
| | | *For >25, Deduct* | *-13.86* | |
| 09 91 23 00-0275 | EA | 2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door | 166.22 | |
| | | *For Oil Based Paint, Add* | *11.52* | |
| | | *For Half Louvered Door, Add* | *15.32* | |
| | | *For Full Louvered Door, Add* | *25.53* | |
| | | *For >5 To 10, Deduct* | *-8.31* | |
| | | *For >10 To 25, Deduct* | *-16.62* | |
| | | *For >25, Deduct* | *-24.93* | |
| 09 91 23 00-0276 | EA | 1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door | 45.08 | |
| | | *For Oil Based Paint, Add* | *3.24* | |
| | | *For Half Louvered Door, Add* | *3.82* | |
| | | *For Full Louvered Door, Add* | *6.37* | |
| | | *For >5 To 10, Deduct* | *-2.25* | |
| | | *For >10 To 25, Deduct* | *-4.51* | |
| | | *For >25, Deduct* | *-6.76* | |
| | | *For Backroll, Add* | *4.80* | |
| 09 91 23 00-0277 | EA | 1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door | 45.08 | |
| | | *For Oil Based Paint, Add* | *3.24* | |
| | | *For Half Louvered Door, Add* | *3.82* | |
| | | *For Full Louvered Door, Add* | *6.37* | |
| | | *For >5 To 10, Deduct* | *-2.25* | |
| | | *For >10 To 25, Deduct* | *-4.51* | |
| | | *For >25, Deduct* | *-6.76* | |
| | | *For Backroll, Add* | *4.80* | |
| 09 91 23 00-0278 | EA | 2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door | 82.01 | |
| | | *For Oil Based Paint, Add* | *6.05* | |
| | | *For Half Louvered Door, Add* | *6.45* | |
| | | *For Full Louvered Door, Add* | *10.76* | |
| | | *For >5 To 10, Deduct* | *-4.10* | |
| | | *For >10 To 25, Deduct* | *-8.20* | |
| | | *For >25, Deduct* | *-12.30* | |
| | | *For Backroll, Add* | *8.40* | |
| 09 91 23 00-0279 | EA | 1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door | 80.91 | |
| | | *For Oil Based Paint, Add* | *5.81* | |
| | | *For Half Louvered Door, Add* | *6.85* | |
| | | *For Full Louvered Door, Add* | *11.41* | |
| | | *For >5 To 10, Deduct* | *-4.05* | |
| | | *For >10 To 25, Deduct* | *-8.09* | |
| | | *For >25, Deduct* | *-12.14* | |
| | | *For Backroll, Add* | *8.61* | |
| 09 91 23 00-0280 | EA | 1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door | 80.91 | |
| | | *For Oil Based Paint, Add* | *5.81* | |
| | | *For Half Louvered Door, Add* | *6.85* | |
| | | *For Full Louvered Door, Add* | *11.41* | |
| | | *For >5 To 10, Deduct* | *-4.05* | |
| | | *For >10 To 25, Deduct* | *-8.09* | |
| | | *For >25, Deduct* | *-12.14* | |
| | | *For Backroll, Add* | *8.61* | |
| 09 91 23 00-0281 | EA | 2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door | 147.76 | |
| | | *For Oil Based Paint, Add* | *10.91* | |
| | | *For Half Louvered Door, Add* | *11.59* | |
| | | *For Full Louvered Door, Add* | *19.31* | |
| | | *For >5 To 10, Deduct* | *-7.39* | |
| | | *For >10 To 25, Deduct* | *-14.78* | |
| | | *For >25, Deduct* | *-22.16* | |
| | | *For Backroll, Add* | *15.11* | |

### 09 91 23 00-0282 Paint Interior Metal Windows *(09 91 23 00-0248)*

Note: Two finish coats paint over rust inhibitive primer.

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0283 | EA | Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work | 92.85 | |
| | | *For Oil Based Paint, Add* | *5.51* | |
| | | *For Electrostatic Painting, Add* | *11.89* | |
| | | *For >5 To 10, Deduct* | *-4.64* | |
| | | *For >10 To 25, Deduct* | *-9.29* | |
| | | *For >25, Deduct* | *-13.93* | |
| 09 91 23 00-0284 | EA | >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work | 113.92 | |
| | | *For Oil Based Paint, Add* | *7.04* | |
| | | *For Electrostatic Painting, Add* | *15.42* | |
| | | *For >5 To 10, Deduct* | *-5.70* | |
| | | *For >10 To 25, Deduct* | *-11.39* | |
| | | *For >25, Deduct* | *-17.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0285 | EA | >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work | 154.24 | |
| | | *For Oil Based Paint, Add* | *9.62* | |
| | | *For Electrostatic Painting, Add* | *21.15* | |
| | | *For >5 To 10, Deduct* | *-7.71* | |
| | | *For >10 To 25, Deduct* | *-15.42* | |
| | | *For >25, Deduct* | *-23.14* | |
| 09 91 23 00-0286 | EA | >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work | 173.75 | |
| | | *For Oil Based Paint, Add* | *10.84* | |
| | | *For Electrostatic Painting, Add* | *23.85* | |
| | | *For >5 To 10, Deduct* | *-8.69* | |
| | | *For >10 To 25, Deduct* | *-17.38* | |
| | | *For >25, Deduct* | *-26.06* | |
| 09 91 23 00-0287 | EA | >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work | 192.55 | |
| | | *For Oil Based Paint, Add* | *12.00* | |
| | | *For Electrostatic Painting, Add* | *26.37* | |
| | | *For >5 To 10, Deduct* | *-9.63* | |
| | | *For >10 To 25, Deduct* | *-19.26* | |
| | | *For >25, Deduct* | *-28.88* | |
| 09 91 23 00-0288 | SF | >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work | 6.10 | |
| | | *For Oil Based Paint, Add* | *0.38* | |
| | | *For Electrostatic Painting, Add* | *0.83* | |

## 09 91 23 00-0289 Paint Interior Wood Windows *(09 91 23 00-0248)*

Note: Two finish coats paint over primer.

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0290 | EA | Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work | 87.30 | |
| | | *For Oil Based Paint, Add* | *4.96* | |
| | | *For >5 To 10, Deduct* | *-4.37* | |
| | | *For >10 To 25, Deduct* | *-8.73* | |
| | | *For >25, Deduct* | *-13.10* | |
| 09 91 23 00-0291 | EA | >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work | 105.35 | |
| | | *For Oil Based Paint, Add* | *6.18* | |
| | | *For >5 To 10, Deduct* | *-5.27* | |
| | | *For >10 To 25, Deduct* | *-10.54* | |
| | | *For >25, Deduct* | *-15.80* | |
| 09 91 23 00-0292 | EA | >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work | 149.58 | |
| | | *For Oil Based Paint, Add* | *8.78* | |
| | | *For >5 To 10, Deduct* | *-7.48* | |
| | | *For >10 To 25, Deduct* | *-14.96* | |
| | | *For >25, Deduct* | *-22.44* | |
| 09 91 23 00-0293 | EA | >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work | 168.43 | |
| | | *For Oil Based Paint, Add* | *9.89* | |
| | | *For >5 To 10, Deduct* | *-8.42* | |
| | | *For >10 To 25, Deduct* | *-16.84* | |
| | | *For >25, Deduct* | *-25.26* | |
| 09 91 23 00-0294 | EA | >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work | 177.42 | |
| | | *For Oil Based Paint, Add* | *10.49* | |
| | | *For >5 To 10, Deduct* | *-8.87* | |
| | | *For >10 To 25, Deduct* | *-17.74* | |
| | | *For >25, Deduct* | *-26.61* | |
| 09 91 23 00-0295 | SF | >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work | 5.92 | |
| | | *For Oil Based Paint, Add* | *0.35* | |

## 09 91 23 00-0296 Paint Interior Security Screens *(09 91 23 00-0248)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0297 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen | 1.51 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| | | *For Electrostatic Painting, Add* | *0.21* | |
| 09 91 23 00-0298 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen | 1.51 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Electrostatic Painting, Add* | *0.19* | |
| 09 91 23 00-0299 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen | 2.50 | |
| | | *For Oil Based Paint, Add* | *0.15* | |
| | | *For Electrostatic Painting, Add* | *0.33* | |

## 09 91 23 00-0300 Paint Interior Window Guards *(09 91 23 00-0248)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0301 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards | 1.51 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| 09 91 23 00-0302 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards | 1.51 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| 09 91 23 00-0303 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards | 2.50 | |
| | | *For Oil Based Paint, Add* | *0.15* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **09 91 23 00-0304** | | **Paint Interior Window Trim** *(09 91 23 00-0248)* | | |
| 09 91 23 00-0305 | LF | 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim | 1.42 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Painting One Face Of Frame Only, Deduct* | *-0.41* | |
| 09 91 23 00-0306 | LF | 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim | 1.42 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| | | *For Painting One Face Of Frame Only, Deduct* | *-0.41* | |
| 09 91 23 00-0307 | LF | 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim | 3.09 | |
| | | *For Oil Based Paint, Add* | *0.19* | |
| | | *For Painting One Face Of Frame Only, Deduct* | *-0.87* | |
| 09 91 23 00-0308 | LF | 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim<br>Note: Brush/roller work. | 1.66 | |
| | | *For Painting One Face Of Frame Only, Deduct* | *-0.50* | |
| 09 91 23 00-0309 | LF | 1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim<br>Note: Brush/roller work. | 1.66 | |
| | | *For Painting One Face Of Frame Only, Deduct* | *-0.50* | |
| 09 91 23 00-0310 | LF | 2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim<br>Note: Brush/roller work. | 3.57 | |
| | | *For Painting One Face Of Frame Only, Deduct* | *-1.07* | |
| **09 91 23 00-0311** | | **Paint Interior Cabinets And Casework** *(09 91 23)* | | |
| **09 91 23 00-0312** | | **Paint Interior Wood Cabinets And Casework** *(09 91 23 00-0311)* | | |
| 09 91 23 00-0313 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework | 1.26 | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.19* | |
| 09 91 23 00-0314 | SF | 1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework | 1.73 | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 91 23 00-0315 | SF | 1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework | 2.88 | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.43* | |
| **09 91 23 00-0316** | | **Paint Exposed Metal Lockers And Cabinets** *(09 91 23 00-0311)* | | |
| 09 91 23 00-0317 | SF | 1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker | 1.40 | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 23 00-0318 | SF | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker | 1.38 | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.14* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 23 00-0319 | SF | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker | 2.57 | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.26* | |
| | | *For >20,000, Deduct* | *-0.39* | |
| **09 91 23 00-0320** | | **Paint Interior Stairs** *(09 91 23)* | | |
| **09 91 23 00-0321** | | **Paint Interior Concrete Stairs** *(09 91 23 00-0320)*<br>Note: Includes the riser and tread. | | |
| 09 91 23 00-0322 | RSR | 1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) | 17.70 | |
| 09 91 23 00-0323 | RSR | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) | 17.70 | |
| 09 91 23 00-0324 | RSR | 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)<br>Note: Excludes riser. | 15.53 | |
| 09 91 23 00-0325 | RSR | 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)<br>Note: Excludes riser. | 33.49 | |
| 09 91 23 00-0326 | RSR | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) | 35.41 | |
| **09 91 23 00-0327** | | **Paint Interior Metal Stairs** *(09 91 23 00-0320)*<br>Note: Includes the riser and tread. | | |
| 09 91 23 00-0328 | RSR | 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide) | 9.85 | |
| 09 91 23 00-0329 | RSR | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide) | 9.48 | |
| 09 91 23 00-0330 | RSR | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide) | 18.96 | |
| **09 91 23 00-0331** | | **Paint Interior Wood Stairs** *(09 91 23 00-0320)*<br>Note: Includes the riser and tread. | | |
| 09 91 23 00-0332 | RSR | 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) | 9.17 | |
| 09 91 23 00-0333 | RSR | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) | 9.17 | |
| 09 91 23 00-0334 | RSR | 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)<br>Note: Excludes riser. | 11.25 | |
| 09 91 23 00-0335 | RSR | 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)<br>Note: Excludes riser. | 29.21 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0336 | RSR | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) | 18.34 | |

## 09 91 23 00-0337 Paint Interior Stair Nosing *(09 91 23 00-0320)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0338 | LF | 1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip | 1.55 | |

## 09 91 23 00-0339 Paint Interior Trim *(09 91 23)*

## 09 91 23 00-0340 Paint Interior Metal Trim *(09 91 23 00-0339)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0341 | SF | 1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim | 1.25 | |
| | | *For Work >15' To 20' Above Floor, Add* | | *0.15* |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | | *0.25* |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | | *0.40* |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | | *0.55* |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0342 | SF | 1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim | 1.36 | |
| | | *For Work >15' To 20' Above Floor, Add* | | *0.17* |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | | *0.28* |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | | *0.44* |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | | *0.61* |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0343 | SF | 2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim | 2.47 | |
| | | *For Work >15' To 20' Above Floor, Add* | | *0.30* |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | | *0.49* |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | | *0.79* |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | | *1.08* |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0344 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim | 1.06 | |
| | | *For Work >15' To 20' Above Floor, Add* | | *0.12* |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | | *0.20* |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | | *0.32* |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | | *0.45* |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0345 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim | 1.14 | |
| | | *For Work >15' To 20' Above Floor, Add* | | *0.13* |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | | *0.22* |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | | *0.36* |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | | *0.49* |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0346 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim | 2.07 | |
| | | *For Work >15' To 20' Above Floor, Add* | | *0.24* |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | | *0.39* |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | | *0.63* |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | | *0.86* |
| | | *Note: Applied only to work area above 40'.* | | |

## 09 91 23 00-0347 Paint Interior Wood Trim *(09 91 23 00-0339)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0348 | LF | 1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide | 0.78 | |
| | | *For Work >15' To 20' Above Floor, Add* | | *0.11* |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | | *0.18* |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | | *0.28* |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | | *0.39* |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Oil Based Paint, Add* | | *0.04* |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0349 | LF | 1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide | 0.86 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.42* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Oil Based Paint, Add* | *0.05* | |
| 09 91 23 00-0350 | LF | 2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide | 1.78 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.66* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.91* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| 09 91 23 00-0351 | SF | 1 Coat Primer, Brush Work, Paint Interior Wood Trim | 2.41 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.52* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.83* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.14* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Oil Based Paint, Add* | *0.14* | |
| 09 91 23 00-0352 | SF | 1 Coat Paint, Brush Work, Paint Interior Wood Trim | 2.67 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.57* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.92* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.26* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Oil Based Paint, Add* | *0.15* | |
| 09 91 23 00-0353 | SF | 2 Coats Paint, Brush Work, Paint Interior Wood Trim | 4.85 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.62* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *1.03* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *1.64* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *2.26* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Oil Based Paint, Add* | *0.28* | |
| 09 91 23 00-0354 | SF | 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim | 1.99 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.25* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.41* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.66* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.91* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Oil Based Paint, Add* | *0.12* | |
| 09 91 23 00-0355 | SF | 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim | 2.22 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.46* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.74* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.01* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Oil Based Paint, Add* | *0.13* | |
| 09 91 23 00-0356 | SF | 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim | 4.01 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.49* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.82* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *1.30* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *1.79* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Oil Based Paint, Add* | *0.24* | |

09 91 23 00-0357 Paint Interior Metal Surfaces *(09 91 23)*

09 91 23 00-0358 Paint Interior Miscellaneous Metal Surfaces *(09 91 23 00-0357)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0359 | SF | 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces | 0.86 | |
| | | *For Electrostatic Painting, Add* | *0.12* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.50* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 91 23 00-0360 | SF | 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces | 1.03 | |
| | | *For Electrostatic Painting, Add* | *0.14* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.62* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.21* | |
| 09 91 23 00-0361 | SF | 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces | 1.82 | |
| | | *For Electrostatic Painting, Add* | *0.25* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.34* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.55* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.75* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.10* | |
| | | *For >100 To 250, Add* | *0.52* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.27* | |
| | | *For >20,000, Deduct* | *-0.36* | |
| 09 91 23 00-0362 | SF | 1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces | 1.19 | |
| | | *For Electrostatic Painting, Add* | *0.16* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |
| | | *For Backroll, Add* | *0.15* | |
| 09 91 23 00-0363 | SF | 1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces | 1.19 | |
| | | *For Electrostatic Painting, Add* | *0.16* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.50* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.72* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |
| | | *For Backroll, Add* | *0.15* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0364 | SF | 2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces | 1.93 | |
| | | *For Electrostatic Painting, Add* | *0.27* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.35* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.56* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.77* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *1.13* | |
| | | *For >100 To 250, Add* | *0.54* | |
| | | *For >250 To 500, Add* | *0.24* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.39* | |
| | | *For Backroll, Add* | *0.24* | |
| 09 91 23 00-0365 | LF | 1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal | 0.17 | |
| | | *For Electrostatic Painting, Add* | *0.02* | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.02* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.03* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.05* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.10* | |
| | | *For >100 To 250, Add* | *0.05* | |
| | | *For >250 To 500, Add* | *0.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.03* | |
| | | *For >20,000, Deduct* | *-0.03* | |

## 09 91 23 00-0366 Paint Additives *(09 91 23)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0367 | SF | Mildewcide/Mold Killing Paint Additive Per Each Coat | 0.02 | |
| 09 91 23 00-0368 | SF | Class "B" Fire Rating, Fire Resistant Paint Additive | 0.08 | |
| | | *For Class "A" Fire Rating, Add* | *0.08* | |

## 09 91 23 00-0369 Hand Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, signs, etc.

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0370 | EA | Up To 1" High, Hand Paint, Per Letter/Number | 2.40 | |
| 09 91 23 00-0371 | EA | 1" To 2" High, Hand Paint, Per Letter/Number | 2.79 | |
| 09 91 23 00-0372 | EA | 2" To 3" High, Hand Paint, Per Letter/Number | 4.22 | |
| 09 91 23 00-0373 | EA | 3" To 4" High, Hand Paint, Per Letter/Number | 5.16 | |
| 09 91 23 00-0374 | EA | 4" To 6" High, Hand Paint, Per Letter/Number | 7.12 | |
| 09 91 23 00-0375 | EA | 6" To 12" High, Hand Paint, Per Letter/Number | 9.02 | |
| 09 91 23 00-0376 | EA | Over 12" High, Hand Paint, Per Letter/Number | 10.56 | |

## 09 91 23 00-0377 Glove/Mitt Application *(09 91 23)*

## 09 91 23 00-0378 Conduit/Pipe *(09 91 23 00-0377)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0379 | CSF | Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt | 45.34 | |
| | | *For Work >15' To 20' Above Floor, Add* | *6.27* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *10.45* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *16.72* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *22.98* | |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0380 | CSF | Metal Primer Conduit Or Pipe With Glove/Mitt | 78.83 | |
| | | *For Work >15' To 20' Above Floor, Add* | *7.52* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *12.54* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *20.06* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *27.58* | |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0381 | CSF | Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt | 62.61 | |
| | | *For Work >15' To 20' Above Floor, Add* | *5.52* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *9.19* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *14.71* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *20.22* | |
| | | *Note: Applied only to work area above 40'.* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0382 | CSF | Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt | 51.78 | |
| | | *For Work >15' To 20' Above Floor, Add* | *4.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *6.90* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *11.03* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *15.17* | |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0383 | CSF | Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt | 100.15 | |
| | | *For Work >15' To 20' Above Floor, Add* | *6.27* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *10.45* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *16.72* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *22.98* | |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0384 | CSF | Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt | 92.71 | |
| | | *For Work >15' To 20' Above Floor, Add* | *5.52* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *9.19* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *14.71* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *20.22* | |
| | | *Note: Applied only to work area above 40'.* | | |

## 09 91 23 00-0385 Ductwork *(09 91 23 00-0377)*

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0386 | CSF | Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt | 45.34 | |
| | | *For Work >15' To 20' Above Floor, Add* | *6.27* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *10.45* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *16.72* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *22.98* | |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0387 | CSF | Metal Primer Ductwork With Glove/Mitt | 75.79 | |
| | | *For Work >15' To 20' Above Floor, Add* | *6.27* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *10.45* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *16.72* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *22.98* | |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0388 | CSF | Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt | 56.89 | |
| | | *For Work >15' To 20' Above Floor, Add* | *5.01* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *8.36* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *13.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *18.39* | |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0389 | CSF | Epoxy Paint, First Coat Ductwork With Glove/Mitt | 95.96 | |
| | | *For Work >15' To 20' Above Floor, Add* | *6.27* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *10.45* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *16.72* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *22.98* | |
| | | *Note: Applied only to work area above 40'.* | | |
| 09 91 23 00-0390 | CSF | Epoxy Paint, Second Coat Ductwork With Glove/Mitt | 84.21 | |
| | | *For Work >15' To 20' Above Floor, Add* | *5.01* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *8.36* | |
| | | *Note: Applied only to work area above 20' to 30'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *13.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *18.39* | |
| | | *Note: Applied only to work area above 40'.* | | |

## 09 91 23 00-0391 Stencil Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.

| | | | | |
|---|---|---|---|---|
| 09 91 23 00-0392 | EA | Up To 1" High, Stencil Painting, Per Letter/Number | 1.98 | |
| | | *For >200 To 500, Deduct* | *-0.16* | |
| | | *For >500 To 1,000, Deduct* | *-0.25* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.32* | |
| | | *For >2,000, Deduct* | *-0.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 23 00-0393 | EA | 1" To 2" High, Stencil Painting, Per Letter/Number | 2.28 | |
| | | *For >200 To 500, Deduct* | *-0.18* | |
| | | *For >500 To 1,000, Deduct* | *-0.29* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.36* | |
| | | *For >2,000, Deduct* | *-0.46* | |
| 09 91 23 00-0394 | EA | 2" To 3" High, Stencil Painting, Per Letter/Number | 3.81 | |
| | | *For >200 To 500, Deduct* | *-0.30* | |
| | | *For >500 To 1,000, Deduct* | *-0.48* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.61* | |
| | | *For >2,000, Deduct* | *-0.76* | |
| 09 91 23 00-0395 | EA | 3" To 4" High, Stencil Painting, Per Letter/Number | 4.68 | |
| | | *For >200 To 500, Deduct* | *-0.37* | |
| | | *For >500 To 1,000, Deduct* | *-0.59* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.75* | |
| | | *For >2,000, Deduct* | *-0.94* | |
| 09 91 23 00-0396 | EA | 4" To 6" High, Stencil Painting, Per Letter/Number | 6.43 | |
| | | *For >200 To 500, Deduct* | *-0.51* | |
| | | *For >500 To 1,000, Deduct* | *-0.80* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.03* | |
| | | *For >2,000, Deduct* | *-1.29* | |
| 09 91 23 00-0397 | EA | 6" To 12" High, Stencil Painting, Per Letter/Number | 8.53 | |
| | | *For >200 To 500, Deduct* | *-0.68* | |
| | | *For >500 To 1,000, Deduct* | *-1.07* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.36* | |
| | | *For >2,000, Deduct* | *-1.71* | |
| 09 91 23 00-0398 | EA | Over 12" High, Stencil Painting, Per Letter/Number | 10.05 | |
| | | *For >200 To 500, Deduct* | *-0.80* | |
| | | *For >500 To 1,000, Deduct* | *-1.26* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.61* | |
| | | *For >2,000, Deduct* | *-2.01* | |

## 09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

### 09 91 33 00-0001 Primer *(09 91 33)*

| | | | |
|---|---|---|---|
| 09 91 33 00-0002 | GAL | Alkyd Primer/Sealer, Interior, 500 SF Per Gallon | 64.77 |
| 09 91 33 00-0003 | GAL | Alkyd Wood Primer, Exterior, 400 SF Per Gallon | 43.27 |
| 09 91 33 00-0004 | GAL | Prime Coat Oil Wood Primer, 310 SF Per Gallon | 54.87 |
| 09 91 33 00-0005 | GAL | Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon | 148.22 |
| 09 91 33 00-0006 | EA | Cement Base Primer, 25 Lb. Sack | 45.25 |
| 09 91 33 00-0007 | GAL | Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon | 69.76 |
| 09 91 33 00-0008 | GAL | Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon | 56.00 |
| 09 91 33 00-0009 | GAL | Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon | 43.27 |
| 09 91 33 00-0010 | GAL | Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon | 39.31 |
| 09 91 33 00-0011 | GAL | Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon | 69.29 |
| 09 91 33 00-0012 | GAL | Acrylic Heavy-Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon | 57.70 |
| 09 91 33 00-0013 | GAL | Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon | 57.70 |
| 09 91 33 00-0014 | GAL | Latex Wood Primer, Exterior, 300 SF Per Gallon | 65.05 |
| 09 91 33 00-0015 | GAL | Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon | 42.42 |
| 09 91 33 00-0016 | GAL | Red Alkyd Primer, 500 SF Per Gallon | 110.85 |
| 09 91 33 00-0017 | GAL | Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon | 45.25 |
| 09 91 33 00-0018 | GAL | Zinc Chromate Primer, 300 SF Per Gallon | 36.20 |
| 09 91 33 00-0019 | GAL | Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon | 93.62 |
| 09 91 33 00-0020 | GAL | Stain Killer, Alcohol Base | 58.38 |
| 09 91 33 00-0021 | GAL | Sealer, Primer Kilz, 400 SF Per Gallon | 65.87 |

### 09 91 33 00-0022 Paint *(09 91 33)*

| | | | |
|---|---|---|---|
| 09 91 33 00-0023 | GAL | Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon | 31.68 |
| 09 91 33 00-0024 | GAL | Acrylic Urethane Sealer | 157.06 |
| 09 91 33 00-0025 | GAL | Asphalt-Fiber Roof And Foundation Coating, Solvent Type<br>Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal. | 16.97 |
| 09 91 33 00-0026 | GAL | Concrete Enamel Epoxy, 350 SF Per Gallon | 98.14 |
| 09 91 33 00-0027 | GAL | Concrete Acrylic Sealer, 400 SF Per Gallon | 51.47 |
| 09 91 33 00-0028 | GAL | Tar Emulsion, Driveway Coating, 120 SF Per Gallon | 21.81 |
| 09 91 33 00-0029 | GAL | Acrylic Latex, Driveway Coating, 250 SF Per Gallon | 33.08 |
| 09 91 33 00-0030 | GAL | Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon | 90.23 |
| 09 91 33 00-0031 | GAL | Exterior, Oil Base, Gloss, 400 SF Per Gallon | 89.07 |
| 09 91 33 00-0032 | GAL | Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon | 72.71 |
| 09 91 33 00-0033 | GAL | Exterior, Flat, Oil Base | 66.65 |
| 09 91 33 00-0034 | GAL | Exterior, Latex, Semi-Gloss, 400 SF Per Gallon | 63.26 |
| 09 91 33 00-0035 | GAL | Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon | 74.53 |
| 09 91 33 00-0036 | GAL | Exterior, Latex Flat Paint, 300 SF Per Gallon | 66.17 |
| 09 91 33 00-0037 | GAL | Exterior, Water Base, Latex Gloss Enamel | 94.19 |
| 09 91 33 00-0038 | GAL | Cold Galvanizing Paint | 363.46 |
| 09 91 33 00-0039 | GAL | High Heat Paint | 156.94 |
| 09 91 33 00-0040 | GAL | Heat Resistant Paint | 104.63 |
| 09 91 33 00-0041 | GAL | Zinc Chromate Paint | 94.66 |
| 09 91 33 00-0042 | QT | Anti-Rust Enamel, 500 SF Per Quart | 37.37 |
| 09 91 33 00-0043 | GAL | Rust Inhibitor, Ferrous Metal | 104.63 |
| 09 91 33 00-0044 | GAL | Masonry Waterproofing, 100 SF Per Gallon | 66.17 |
| 09 91 33 00-0045 | GAL | Alkyd Latex, Black | 77.64 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 91 33 00-0046 | GAL | Alkyd Latex, White | 70.58 | |
| 09 91 33 00-0047 | GAL | Alkyd Latex, Colors | 85.11 | |
| 09 91 33 00-0048 | QT | Wrought Iron Paint, Black | 95.49 | |
| 09 91 33 00-0049 | GAL | Vinyl Paint | 86.54 | |
| 09 91 33 00-0050 | GAL | Silicone Alkyd | 105.21 | |
| 09 91 33 00-0051 | GAL | 2 Component Solvent Based Acrylic Epoxy | 106.91 | |
| 09 91 33 00-0052 | GAL | 2 Component Solvent Based Polyester Epoxy | 134.06 | |
| 09 91 33 00-0053 | GAL | Chlorinated Rubber | 98.42 | |
| 09 91 33 00-0054 | GAL | Polyamide Epoxy Sealer | 101.82 | |
| 09 91 33 00-0055 | GAL | Coal Tar Epoxy | 72.97 | |
| 09 91 33 00-0056 | GAL | Swimming Pool Enamel, 350 SF Per Gallon | 91.07 | |
| 09 91 33 00-0057 | GAL | Swimming Pool Epoxy Or Urethane Base | 118.79 | |
| 09 91 33 00-0058 | GAL | Swimming Pool Rubber Base | 81.45 | |
| 09 91 33 00-0059 | GAL | Interior, Latex Flat Paint, 300 SF Per Gallon | 51.76 | |
| 09 91 33 00-0060 | GAL | Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon | 63.78 | |
| 09 91 33 00-0061 | GAL | Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon | 106.06 | |
| 09 91 33 00-0062 | GAL | Interior, Ceiling White Latex Flat, 350 SF Per Gallon | 35.92 | |
| 09 91 33 00-0063 | GAL | Linseed Oil | 31.39 | |
| 09 91 33 00-0064 | GAL | Latex Floor Paint, 300 SF Per Gallon | 51.47 | |
| 09 91 33 00-0065 | GAL | Acrylic Floor Paint, 400 SF Per Gallon | 57.98 | |
| 09 91 33 00-0066 | GAL | Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon | 53.03 | |
| 09 91 33 00-0067 | GAL | Acoustic Spray-On Texture, Finish | 42.61 | |

### 09 91 33 00-0068 Stain, Varnish *(09 91 33)*

| | | | | |
|---|---|---|---|---|
| 09 91 33 00-0069 | GAL | Thompson Water Sealer, 150 SF Per Gallon | 29.41 | |
| 09 91 33 00-0070 | GAL | Latex Redwood Stain, Water Base, 300 SF Per Gallon | 54.87 | |
| 09 91 33 00-0071 | GAL | Redwood Oil Stain, 300 SF Per Gallon | 48.93 | |
| 09 91 33 00-0072 | GAL | Varnish, Clear | 45.37 | |
| 09 91 33 00-0073 | GAL | Penetrating Water-Repellent Stain | 32.96 | |
| 09 91 33 00-0074 | GAL | Redwood Hue Or Clear Stain | 29.45 | |
| 09 91 33 00-0075 | GAL | Polyurethane | 51.71 | |
| 09 91 33 00-0076 | GAL | Lacquer, Semi-Gloss | 51.63 | |
| 09 91 33 00-0077 | GAL | Shellac, Clear | 67.73 | |
| 09 91 33 00-0078 | GAL | Acetone | 22.34 | |
| 09 91 33 00-0079 | GAL | Paint Thinner | 5.52 | |
| 09 91 33 00-0080 | GAL | Shellac Or Lacquer Thinner | 22.63 | |
| 09 91 33 00-0081 | GAL | Turpentine | 31.11 | |
| 09 91 33 00-0082 | GAL | Wood Filler Paste | 53.17 | |
| 09 91 33 00-0083 | GAL | Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon | 42.42 | |
| 09 91 33 00-0084 | GAL | Water Based Alkyd Urethane (Sherwin Williams B53W01153) | 106.51 | |

## 09 91 43 Surface Preparation *(09 91)*

### 09 91 43 00-0001 Protection Of Surfaces *(09 91 43)*

| | | | |
|---|---|---|---|
| 09 91 43 00-0002 | SF | Drop Cloths<br>Note: Remove after use. | 0.41 |
| 09 91 43 00-0003 | LF | Painter Masking Tape<br>Note: Remove after use. | 0.27 |

# 09 93 Staining and Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

## 09 93 13 Exterior Staining and Finishing *(09 93)*

### 09 93 13 13 Exterior Staining *(09 93 13)*

### 09 93 13 13-0001 Wood Wall, Deck, Ceiling Finishes *(09 93 13 13)*

### 09 93 13 13-0002 Stain Wood Walls *(09 93 13 13-0001)*

### 09 93 13 13-0003 Stain Smooth Wood Walls *(09 93 13 13-0002)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

| | | | |
|---|---|---|---|
| 09 93 13 13-0004 | SF | Stain Exterior Wood Smooth Siding, 1 Coat Stain, Brush Work | 0.98 |
| | | *For Work >20' To 30' Above Floor, Add* | *0.19* |
| | | *Note: Applied only to work area above 20'.* | |
| | | *For Up To 100, Add* | *0.60* |
| | | *For >100 To 250, Add* | *0.29* |
| | | *For >250 To 500, Add* | *0.12* |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* |
| | | *For >20,000, Deduct* | *-0.20* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 93 13 13-0005 | SF | Stain Exterior Wood Smooth Siding, 2 Coats Stain, Brush Work | 1.79 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *1.06* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.27* | |
| | | *For >20,000, Deduct* | *-0.36* | |
| 09 93 13 13-0006 | SF | Stain Exterior Wood Smooth Siding, 1 Coat Stain, Sprayed | 0.78 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *0.40* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.12* | |
| | | *For >20,000, Deduct* | *-0.16* | |
| 09 93 13 13-0007 | SF | Stain Exterior Wood Smooth Siding, 2 Coats Stain, Sprayed | 1.29 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *0.62* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.26* | |

## 09 93 13 13-0008 Stain Rough Wood Walls *(09 93 13 13-0002)*

Note: Includes shingles, shakes or rough sawn siding.

| | | | | |
|---|---|---|---|---|
| 09 93 13 13-0009 | SF | Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Stain, Brush Work | 1.42 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.30* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *0.93* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.21* | |
| | | *For >20,000, Deduct* | *-0.28* | |
| 09 93 13 13-0010 | SF | Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Stain, Brush Work | 2.63 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.54* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *1.69* | |
| | | *For >100 To 250, Add* | *0.80* | |
| | | *For >250 To 500, Add* | *0.35* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.26* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.39* | |
| | | *For >20,000, Deduct* | *-0.53* | |
| 09 93 13 13-0011 | SF | Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Stain, Sprayed | 1.14 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.17* | |
| | | *For >20,000, Deduct* | *-0.23* | |
| 09 93 13 13-0012 | SF | Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Stain, Sprayed | 2.16 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *1.11* | |
| | | *For >100 To 250, Add* | *0.54* | |
| | | *For >250 To 500, Add* | *0.24* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.32* | |
| | | *For >20,000, Deduct* | *-0.43* | |

## 09 93 13 13-0013 Stain Wood Ceilings *(09 93 13 13-0001)*

## 09 93 13 13-0014 Stain Smooth Wood Ceilings *(09 93 13 13-0013)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 93 13 13-0015 | SF | Stain Exterior Wood Smooth Ceiling, 1 Coat Stain, Brush Work | 1.08 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *0.67* | |
| | | *For >100 To 250, Add* | *0.32* | |
| | | *For >250 To 500, Add* | *0.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.11* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.16* | |
| | | *For >20,000, Deduct* | *-0.22* | |
| 09 93 13 13-0016 | SF | Stain Exterior Wood Smooth Ceiling, 2 Coats Stain, Brush Work | 1.97 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.38* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *1.20* | |
| | | *For >100 To 250, Add* | *0.57* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.30* | |
| | | *For >20,000, Deduct* | *-0.39* | |
| 09 93 13 13-0017 | SF | Stain Exterior Wood Smooth Ceiling, 1 Coat Stain, Sprayed | 0.70 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *0.39* | |
| | | *For >100 To 250, Add* | *0.19* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| 09 93 13 13-0018 | SF | Stain Exterior Wood Smooth Ceiling, 2 Coats Stain, Sprayed | 1.31 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *0.70* | |
| | | *For >100 To 250, Add* | *0.34* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.20* | |
| | | *For >20,000, Deduct* | *-0.26* | |
| 09 93 13 13-0019 | | Ceilings Rough Wood *(09 93 13 13-0013)* | | |
| | | Note: Includes shingles, shakes or rough sawn siding. | | |
| 09 93 13 13-0020 | SF | Stain Exterior Wood Rough Ceiling, 1 Coat Stain, Brush Work | 1.55 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *1.02* | |
| | | *For >100 To 250, Add* | *0.49* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.23* | |
| | | *For >20,000, Deduct* | *-0.31* | |
| 09 93 13 13-0021 | SF | Stain Exterior Wood Rough Ceiling, 2 Coats Stain, Brush Work | 2.72 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.56* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *1.76* | |
| | | *For >100 To 250, Add* | *0.83* | |
| | | *For >250 To 500, Add* | *0.36* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.14* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.27* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.41* | |
| | | *For >20,000, Deduct* | *-0.54* | |
| 09 93 13 13-0022 | SF | Stain Exterior Wood Rough Ceiling, 1 Coat Stain, Sprayed | 1.26 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.21* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *0.69* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.19* | |
| | | *For >20,000, Deduct* | *-0.25* | |
| 09 93 13 13-0023 | SF | Stain Exterior Wood Rough Ceiling, 2 Coats Stain, Sprayed | 2.28 | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Up To 100, Add* | *1.20* | |
| | | *For >100 To 250, Add* | *0.59* | |
| | | *For >250 To 500, Add* | *0.26* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.23* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.34* | |
| | | *For >20,000, Deduct* | *-0.46* | |
| 09 93 13 13-0024 | | Stain Wood Decks *(09 93 13 13-0001)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 93 13 13-0025 | SF | Stain Exterior Wood Floors And Decks, 1 Coat Stain, Brush Work | 0.89 | |
| | | *For Oil Based Paint, Add* | *0.06* | |
| | | *For Up To 100, Add* | *0.53* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.18* | |
| 09 93 13 13-0026 | SF | Stain Exterior Wood Floors And Decks, 2 Coats Stain, Brush Work | 1.69 | |
| | | *For Oil Based Paint, Add* | *0.11* | |
| | | *For Up To 100, Add* | *0.99* | |
| | | *For >100 To 250, Add* | *0.47* | |
| | | *For >250 To 500, Add* | *0.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.25* | |
| | | *For >20,000, Deduct* | *-0.34* | |
| 09 93 13 13-0027 | SF | Stain Exterior Wood Floors And Decks, 1 Coat Stain, Sprayed | 0.59 | |
| | | *For Oil Based Paint, Add* | *0.04* | |
| | | *For Up To 100, Add* | *0.30* | |
| | | *For >100 To 250, Add* | *0.15* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.06* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.09* | |
| | | *For >20,000, Deduct* | *-0.12* | |
| 09 93 13 13-0028 | SF | Stain Exterior Wood Floors And Decks, 2 Coats Stain, Sprayed | 1.18 | |
| | | *For Oil Based Paint, Add* | *0.08* | |
| | | *For Up To 100, Add* | *0.60* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.12* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.18* | |
| | | *For >20,000, Deduct* | *-0.24* | |

### 09 93 13 13-0029 Stain Wood Posts And Trim *(09 93 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 09 93 13 13-0030 | SF | Stain Exterior Wood Posts And Trim, 1 Coat Stain, Brush Work | 1.60 | |
| | | *For Oil Based Paint, Add* | *0.10* | |
| 09 93 13 13-0031 | SF | Stain Exterior Wood Posts And Trim, 2 Coats Stain, Brush Work | 2.92 | |
| | | *For Oil Based Paint, Add* | *0.19* | |
| 09 93 13 13-0032 | SF | Stain Exterior Wood Posts And Trim, 1 Coat Stain, Sprayed | 1.32 | |
| | | *For Oil Based Paint, Add* | *0.09* | |
| 09 93 13 13-0033 | SF | Stain Exterior Wood Posts And Trim, 2 Coats Stain, Sprayed | 2.48 | |
| | | *For Oil Based Paint, Add* | *0.16* | |

### 09 93 13 13-0034 Pre-Stain Wood Conditioner *(09 93 13 13)*

Note: Measured by surface area of wall or ceiling.

| | | | | |
|---|---|---|---|---|
| 09 93 13 13-0035 | SF | Pre-Stain Wood Conditioner, Brush/Roller Work | 0.85 | |
| | | *For Ceiling Work, Add* | *0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.03* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.05* | |
| | | *For >20,000, Deduct* | *-0.08* | |

### 09 93 13 13-0036 Rustic Brown Stain, Field Applied (Natina Or Equal) *(09 93 13 13)*

| | | | | |
|---|---|---|---|---|
| 09 93 13 13-0037 | LF | Stain Existing Chain Link Fence, Up To 6' Height, Rustic Brown Finish<br>Note: Includes posts and both sides | 10.49 | |
| 09 93 13 13-0038 | LF | Stain Existing Chain Link Fence, >6' To 10' Height, Rustic Brown Finish<br>Note: Includes posts and both sides | 17.48 | |
| 09 93 13 13-0039 | LF | Stain Existing Cable Barrier Fence, Rustic Brown Finish<br>Note: Includes posts and all sides | 5.77 | |
| 09 93 13 13-0040 | EA | Stain Existing Gate, Up To 6' Wide, Rustic Brown Finish<br>Note: Includes posts and both sides | 150.84 | |
| 09 93 13 13-0041 | EA | Stain Existing Gate, >6' To 10' Wide, Rustic Brown Finish<br>Note: Includes posts and both sides | 251.38 | |
| 09 93 13 13-0042 | EA | Stain Existing Gate, >10' To 16' Wide, Rustic Brown Finish<br>Note: Includes posts and both sides | 402.21 | |
| 09 93 13 13-0043 | LF | Stain Existing Up To 4" Diameter Pole, Rustic Brown Finish | 3.10 | |
| 09 93 13 13-0044 | LF | Stain Existing 6" To 8" Diameter Pole, Rustic Brown Finish | 3.98 | |
| 09 93 13 13-0045 | LF | Stain Existing 10" To 12" Diameter Pole, Rustic Brown Finish | 5.38 | |
| 09 93 13 13-0046 | SF | Stain Existing Steel Surface, Rustic Brown Finish<br>Note: Single side | 1.22 | |

## 09 93 13 53 Exterior Finishing *(09 93 13)*

### 09 93 13 53-0001 Stain Sealer *(09 93 13 53)*

Note: Measured by surface area of wall or ceiling.

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 93 13 53-0002 | SF | Stain Sealer, Brush Work | 0.93 | |
| | | *For Ceiling Work, Add* | *0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.03* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.05* | |
| | | *For >20,000, Deduct* | *-0.08* | |
| 09 93 13 53-0003 | SF | Stain Sealer, Brush/Roller Work | 0.75 | |
| | | *For Ceiling Work, Add* | *0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.04* | |
| | | *For >20,000, Deduct* | *-0.07* | |
| 09 93 13 53-0004 | SF | Stain Sealer, Sprayed | 0.31 | |
| | | *For Ceiling Work, Add* | *0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.01* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.02* | |
| | | *For >20,000, Deduct* | *-0.03* | |

## 09 93 23 Interior Staining and Finishing *(09 93)*

Note: VOC compliant in all regulated areas, review specifications for levels.

### 09 93 23 13 Interior Staining *(09 93 23)*

#### 09 93 23 13-0001 Stain Wood Trim *(09 93 23 13)*

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 93 23 13-0002 | LF | Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off | 1.13 | |
| | | *For Up To 100, Add* | *0.80* | |
| | | *For >100 To 250, Add* | *0.38* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >4,000, Deduct* | *-0.06* | |
| 09 93 23 13-0003 | SF | Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off | 1.68 | |
| | | *For Up To 100, Add* | *1.17* | |
| | | *For >100 To 250, Add* | *0.55* | |
| | | *For >250 To 500, Add* | *0.24* | |
| | | *For >4,000, Deduct* | *-0.08* | |

#### 09 93 23 13-0004 Stain Wood Floor *(09 93 23 13)*

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 93 23 13-0005 | SF | Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work | 0.56 | |
| | | *For Up To 100, Add* | *0.33* | |
| | | *For >100 To 250, Add* | *0.16* | |
| | | *For >250 To 500, Add* | *0.07* | |
| | | *For >4,000, Deduct* | *-0.03* | |
| 09 93 23 13-0006 | SF | Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work | 0.42 | |
| | | *For Up To 100, Add* | *0.23* | |
| | | *For >100 To 250, Add* | *0.11* | |
| | | *For >250 To 500, Add* | *0.05* | |
| | | *For >4,000, Deduct* | *-0.02* | |

#### 09 93 23 13-0007 Stain Wood Door And Window *(09 93 23 13)*

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 93 23 13-0008 | EA | Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face) | 54.12 | |
| | | *For Up To 4, Add* | *39.21* | |
| | | *For >4 To 10, Add* | *18.37* | |
| | | *For >10 To 20, Add* | *7.89* | |
| | | *For >160, Deduct* | *-2.71* | |
| 09 93 23 13-0009 | EA | Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face) | 38.90 | |
| | | *For Up To 4, Add* | *27.14* | |
| | | *For >4 To 10, Add* | *12.77* | |
| | | *For >10 To 20, Add* | *5.50* | |
| | | *For >160, Deduct* | *-1.95* | |

#### 09 93 23 13-0010 Stain Wood Cabinet *(09 93 23 13)*

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 93 23 13-0011 | SF | Stain Cabinet, 1 Coat Stain With Brush And Wipe | 1.35 | |

### 09 93 23 53 Interior Finishing *(09 93 23)*

#### 09 93 23 53-0001 Concrete Finishes *(09 93 23 53)*

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 93 23 53-0002 | SF | Finish Concrete Floor, 1 Coat Polyurethane | 0.85 | |
| | | *For Up To 100, Add* | *0.49* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.10* | |
| | | *For >4,000, Deduct* | *-0.04* | |

#### 09 93 23 53-0003 Wood Trim Finishes *(09 93 23 53)*

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 93 23 53-0004 | SF | Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane | 1.40 | |
| | | *For Up To 100, Add* | *0.91* | |
| | | *For >100 To 250, Add* | *0.43* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >4,000, Deduct* | *-0.07* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 93 23 53-0005 | SF | Finish Wood Trim, 1 Coat Varnish Or Polyurethane | 0.92 | |
| | | *For Up To 100, Add* | *0.62* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >4,000, Deduct* | *-0.05* | |

## 09 93 23 53-0006 Wood Door And Window Finishes *(09 93 23 53)*

| | | | | |
|---|---|---|---|---|
| 09 93 23 53-0007 | EA | Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face) | 39.13 | |
| | | *For Up To 4, Add* | *28.26* | |
| | | *For >4 To 10, Add* | *13.24* | |
| | | *For >10 To 20, Add* | *5.69* | |
| | | *For >160, Deduct* | *-1.96* | |
| 09 93 23 53-0008 | EA | Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face) | 119.25 | |
| | | *For Up To 4, Add* | *84.42* | |
| | | *For >4 To 10, Add* | *39.65* | |
| | | *For >10 To 20, Add* | *17.05* | |
| | | *For >160, Deduct* | *-5.96* | |

## 09 93 23 53-0009 Wood Floor Finishes *(09 93 23 53)*

| | | | | |
|---|---|---|---|---|
| 09 93 23 53-0010 | SF | Refinish Wood Floor, 2 Coats Polyurethane<br>Note: Includes sanding existing floor. | 3.14 | |
| | | *For Up To 100, Add* | *2.21* | |
| | | *For >100 To 250, Add* | *1.04* | |
| | | *For >250 To 500, Add* | *0.45* | |
| | | *For >4,000, Deduct* | *-0.16* | |
| 09 93 23 53-0011 | SF | Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work<br>Note: Includes screening between coats. | 0.71 | |
| | | *For Up To 100, Add* | *0.45* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >4,000, Deduct* | *-0.04* | |
| 09 93 23 53-0012 | SF | Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane<br>Note: Includes sanding existing floor. | 3.58 | |
| | | *For Up To 100, Add* | *2.49* | |
| | | *For >100 To 250, Add* | *1.17* | |
| | | *For >250 To 500, Add* | *0.50* | |
| | | *For >4,000, Deduct* | *-0.18* | |

## 09 93 23 53-0013 Cabinet Finishes *(09 93 23 53)*

| | | | | |
|---|---|---|---|---|
| 09 93 23 53-0014 | SF | Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane | 1.36 | |

## 09 93 23 53-0015 Gym, Stage And Dance Floor Finishes *(09 93 23 53)*

| | | | | |
|---|---|---|---|---|
| 09 93 23 53-0016 | SF | Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor<br>Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines. | 0.88 | |
| 09 93 23 53-0017 | SF | Finish New Elementary School Wood Gym, Stage Or Dance Floor<br>Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats. | 3.87 | |
| | | *For Stage Or Dance Floors, Deduct* | *-0.08* | |
| 09 93 23 53-0018 | SF | Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor<br>Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats. | 3.96 | |
| | | *For Stage Or Dance Floors, Deduct* | *-0.08* | |
| 09 93 23 53-0019 | SF | Finish New High School Wood Gym, Stage Or Dance Floor<br>Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats. | 4.04 | |
| | | *For Stage Or Dance Floors, Deduct* | *-0.08* | |
| 09 93 23 53-0020 | SF | Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor<br>Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats. | 3.87 | |
| | | *For Stage Or Dance Floors, Deduct* | *-0.08* | |
| 09 93 23 53-0021 | SF | Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor<br>Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats. | 3.96 | |
| | | *For Stage Or Dance Floors, Deduct* | *-0.08* | |
| 09 93 23 53-0022 | SF | Refinish Existing High School Wood Gym, Stage Or Dance Floor<br>Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats. | 4.04 | |
| | | *For Stage Or Dance Floors, Deduct* | *-0.08* | |
| 09 93 23 53-0023 | EA | Minimum Service Charge For Repair Of Wood Gym, Stage Or Dance Floor | 675.88 | |

# 09 96 High-Performance Coatings *(09 90)*

## 09 96 23 Graffiti-Resistant Coatings *(09 96)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

09 96 23 00-0001 Anti-Graffiti Coating *(09 96 23)*

| | | | | |
|---|---|---|---|---|
| 09 96 23 00-0002 | SF | Sacrificial Anti-Graffiti Coating, Per Coat | 1.46 | |
| | | *For Up To 100, Add* | *0.85* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.18* | |
| 09 96 23 00-0003 | SF | Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat | 1.57 | |
| | | *For Up To 100, Add* | *0.87* | |
| | | *For >100 To 250, Add* | *0.42* | |
| | | *For >250 To 500, Add* | *0.18* | |

## 09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001 Elastomeric *(09 96 53)*

Note: Per coat.

| | | | | |
|---|---|---|---|---|
| 09 96 53 00-0002 | SF | 1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors | 0.87 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.54* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.09* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 96 53 00-0003 | SF | 1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors | 0.75 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.45* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.15* | |
| 09 96 53 00-0004 | SF | 1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors | 0.68 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.07* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.11* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.18* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.37* | |
| | | *For >100 To 250, Add* | *0.18* | |
| | | *For >250 To 500, Add* | *0.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.07* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.10* | |
| | | *For >20,000, Deduct* | *-0.14* | |
| 09 96 53 00-0005 | SF | 1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors | 1.98 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.44* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.78* | |
| | | *For >100 To 250, Add* | *0.40* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.30* | |
| | | *For >20,000, Deduct* | *-0.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 96 53 00-0006 | SF | 1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors | 1.85 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.68* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.28* | |
| | | *For >20,000, Deduct* | *-0.37* | |
| 09 96 53 00-0007 | SF | 1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors | 2.10 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.62* | |
| | | *For >100 To 250, Add* | *0.34* | |
| | | *For >250 To 500, Add* | *0.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.32* | |
| | | *For >20,000, Deduct* | *-0.42* | |
| 09 96 53 00-0008 | SF | 1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead | 0.98 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.62* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.05* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.10* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.15* | |
| | | *For >20,000, Deduct* | *-0.20* | |
| 09 96 53 00-0009 | SF | 1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead | 0.84 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.26* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.36* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.52* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.13* | |
| | | *For >20,000, Deduct* | *-0.17* | |
| 09 96 53 00-0010 | SF | 1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead | 0.75 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.08* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.13* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.28* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.42* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.04* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.08* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.11* | |
| | | *For >20,000, Deduct* | *-0.15* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 96 53 00-0011 | SF | 1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead | 2.11 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.87* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.20* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.21* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.32* | |
| | | *For >20,000, Deduct* | *-0.42* | |
| 09 96 53 00-0012 | SF | 1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead | 1.96 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.76* | |
| | | *For >100 To 250, Add* | *0.39* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.29* | |
| | | *For >20,000, Deduct* | *-0.39* | |
| 09 96 53 00-0013 | SF | 1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead | 2.19 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.09* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.15* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.24* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.33* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.69* | |
| | | *For >100 To 250, Add* | *0.37* | |
| | | *For >250 To 500, Add* | *0.17* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.33* | |
| | | *For >20,000, Deduct* | *-0.44* | |
| 09 96 53 00-0014 | SF | 1 Coat, 20 Wet Mils, Brush Work, Two-Part Elastomeric Epoxy Paint Applied To Walls And Floors (Sherwin Williams RESUFLOR 3555V) | 2.37 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.32* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.44* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.84* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.20* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.24* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.36* | |
| | | *For >20,000, Deduct* | *-0.47* | |
| 09 96 53 00-0015 | SF | 1 Coat, 20 Wet Mils, Brush/Roller Work, Two-Part Elastomeric Epoxy Paint Applied To Walls And Floors (Sherwin Williams RESUFLOR 3555V) | 2.24 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.10* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.17* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.27* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.74* | |
| | | *For >100 To 250, Add* | *0.39* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.34* | |
| | | *For >20,000, Deduct* | *-0.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 96 53 00-0016 | SF | 1 Coat, 20 Wet Mils, Brush Work, Two-Part Elastomeric Epoxy Paint Applied To Ceilings And Overhead (Sherwin Williams RESUFLOR 3555V) | 2.50 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.14* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.23* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.37* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.51* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.93* | |
| | | *For >100 To 250, Add* | *0.48* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.25* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.38* | |
| | | *For >20,000, Deduct* | *-0.50* | |
| 09 96 53 00-0017 | SF | 1 Coat, 20 Wet Mils, Brush/Roller Work, Two-Part Elastomeric Epoxy Paint Applied To Ceilings And Overhead (Sherwin Williams RESUFLOR 3555V) | 2.35 | |
| | | *For Work >15' To 20' Above Floor, Add* | *0.12* | |
| | | *Note: Applied only to work area above 15' to 20'.* | | |
| | | *For Work >20' To 30' Above Floor, Add* | *0.20* | |
| | | *Note: Applied only to work area above 20'.* | | |
| | | *For Work >30' To 40' Above Floor, Add* | *0.31* | |
| | | *Note: Applied only to work area above 30' to 40'.* | | |
| | | *For Work >40' Above Floor, Add* | *0.43* | |
| | | *Note: Applied only to work area above 40'.* | | |
| | | *For Up To 100, Add* | *0.82* | |
| | | *For >100 To 250, Add* | *0.43* | |
| | | *For >250 To 500, Add* | *0.20* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.24* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.35* | |
| | | *For >20,000, Deduct* | *-0.47* | |

### 09 96 56 Epoxy Coatings *(09 96)*

#### 09 96 56 00-0001 High Build Epoxy *(09 96 56)*

| | | | |
|---|---|---|---|
| 09 96 56 00-0002 | SF | 50 Mil, High Build Epoxy | 3.25 |

#### 09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

| | | | |
|---|---|---|---|
| 09 96 56 00-0004 | SF | Laminated Epoxy With Fiberglass | 5.98 |

### 09 96 66 Aggregate Wall Coatings *(09 96)*

#### 09 96 66 00-0001 Troweled On *(09 96 66)*

| | | | |
|---|---|---|---|
| 09 96 66 00-0002 | SF | Exposed Aggregate - 1/16" To 1/4" - Troweled On | 4.56 |
| 09 96 66 00-0003 | SF | Exposed Aggregate - 1/2" To 5/8" Troweled On | 8.15 |
| 09 96 66 00-0004 | SF | Exposed Aggregate - 1" Troweled On | 12.26 |

#### 09 96 66 00-0005 Sprayed On *(09 96 66)*

| | | | |
|---|---|---|---|
| 09 96 66 00-0006 | SF | Exposed Aggregate - 1/8" - Sprayed On | 3.73 |

## 09 97 Special Coatings *(09 90)*

### 09 97 13 Steel Coatings *(09 97)*

#### 09 97 13 23 Exterior Steel Coatings *(09 97 13)*

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

#### 09 97 13 23-0001 Surface Preparation For Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

#### 09 97 13 23-0002 SSPC SP1 Chemical Or Steam Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Solvent Cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 1.

| | | | | |
|---|---|---|---|---|
| 09 97 13 23-0003 | SF | Type 1 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation | 0.73 | |
| | | *For Up To 100, Add* | *0.55* | |
| | | *For >100 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.11* | |
| 09 97 13 23-0004 | SF | Type 2 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation | 0.71 | |
| | | *For Up To 100, Add* | *0.53* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 23-0005 | SF | Type 3 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation | 0.71 | |
| | | *For Up To 100, Add* | *0.53* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| 09 97 13 23-0006 | SF | Up To 14" Diameter Pipe SP1 Chemical Or Steam Cleaning Surface Preparation | 0.95 | |
| | | *For Up To 100, Add* | *0.71* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.14* | |
| 09 97 13 23-0007 | SF | >14" Diameter Pipe SP1 Chemical Or Steam Cleaning Surface Preparation | 0.86 | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |

## 09 97 13 23-0008 SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.

| | | | | |
|---|---|---|---|---|
| 09 97 13 23-0009 | SF | Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation | 1.47 | |
| | | *For Up To 100, Add* | *1.10* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.22* | |
| 09 97 13 23-0010 | SF | Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation | 1.41 | |
| | | *For Up To 100, Add* | *1.06* | |
| | | *For >100 To 250, Add* | *0.49* | |
| | | *For >250 To 500, Add* | *0.21* | |
| 09 97 13 23-0011 | SF | Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation | 1.41 | |
| | | *For Up To 100, Add* | *1.06* | |
| | | *For >100 To 250, Add* | *0.49* | |
| | | *For >250 To 500, Add* | *0.21* | |
| 09 97 13 23-0012 | SF | Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation | 1.91 | |
| | | *For Up To 100, Add* | *1.43* | |
| | | *For >100 To 250, Add* | *0.67* | |
| | | *For >250 To 500, Add* | *0.29* | |
| 09 97 13 23-0013 | SF | >14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation | 1.73 | |
| | | *For Up To 100, Add* | *1.30* | |
| | | *For >100 To 250, Add* | *0.61* | |
| | | *For >250 To 500, Add* | *0.26* | |

## 09 97 13 23-0014 SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.

| | | | | |
|---|---|---|---|---|
| 09 97 13 23-0015 | SF | Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation | 1.86 | |
| | | *For Up To 100, Add* | *1.40* | |
| | | *For >100 To 250, Add* | *0.65* | |
| | | *For >250 To 500, Add* | *0.28* | |
| 09 97 13 23-0016 | SF | Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation | 1.79 | |
| | | *For Up To 100, Add* | *1.34* | |
| | | *For >100 To 250, Add* | *0.63* | |
| | | *For >250 To 500, Add* | *0.27* | |
| 09 97 13 23-0017 | SF | Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation | 1.79 | |
| | | *For Up To 100, Add* | *1.34* | |
| | | *For >100 To 250, Add* | *0.63* | |
| | | *For >250 To 500, Add* | *0.27* | |
| 09 97 13 23-0018 | SF | Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation | 2.42 | |
| | | *For Up To 100, Add* | *1.82* | |
| | | *For >100 To 250, Add* | *0.85* | |
| | | *For >250 To 500, Add* | *0.36* | |
| 09 97 13 23-0019 | SF | >14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation | 2.18 | |
| | | *For Up To 100, Add* | *1.64* | |
| | | *For >100 To 250, Add* | *0.76* | |
| | | *For >250 To 500, Add* | *0.33* | |

## 09 97 13 23-0020 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.

| | | | | |
|---|---|---|---|---|
| 09 97 13 23-0021 | SF | Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation | 5.29 | |
| | | *For Up To 100, Add* | *3.80* | |
| | | *For >100 To 250, Add* | *1.78* | |
| | | *For >250 To 500, Add* | *0.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 23-0022 | SF | Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation | 4.53 | |
| | | *For Up To 100, Add* | *3.24* | |
| | | *For >100 To 250, Add* | *1.52* | |
| | | *For >250 To 500, Add* | *0.65* | |
| 09 97 13 23-0023 | SF | Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation | 4.16 | |
| | | *For Up To 100, Add* | *2.96* | |
| | | *For >100 To 250, Add* | *1.39* | |
| | | *For >250 To 500, Add* | *0.60* | |
| 09 97 13 23-0024 | SF | Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation | 6.40 | |
| | | *For Up To 100, Add* | *4.63* | |
| | | *For >100 To 250, Add* | *2.17* | |
| | | *For >250 To 500, Add* | *0.93* | |
| 09 97 13 23-0025 | SF | >14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation | 5.79 | |
| | | *For Up To 100, Add* | *4.17* | |
| | | *For >100 To 250, Add* | *1.96* | |
| | | *For >250 To 500, Add* | *0.84* | |

### 09 97 13 23-0026 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.

| | | | | |
|---|---|---|---|---|
| 09 97 13 23-0027 | SF | Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation | 2.71 | |
| | | *For Up To 100, Add* | *1.94* | |
| | | *For >100 To 250, Add* | *0.91* | |
| | | *For >250 To 500, Add* | *0.39* | |
| 09 97 13 23-0028 | SF | Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation | 2.37 | |
| | | *For Up To 100, Add* | *1.68* | |
| | | *For >100 To 250, Add* | *0.79* | |
| | | *For >250 To 500, Add* | *0.34* | |
| 09 97 13 23-0029 | SF | Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation | 2.20 | |
| | | *For Up To 100, Add* | *1.55* | |
| | | *For >100 To 250, Add* | *0.73* | |
| | | *For >250 To 500, Add* | *0.31* | |
| 09 97 13 23-0030 | SF | Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation | 3.40 | |
| | | *For Up To 100, Add* | *2.45* | |
| | | *For >100 To 250, Add* | *1.15* | |
| | | *For >250 To 500, Add* | *0.49* | |
| 09 97 13 23-0031 | SF | >14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation | 3.08 | |
| | | *For Up To 100, Add* | *2.21* | |
| | | *For >100 To 250, Add* | *1.04* | |
| | | *For >250 To 500, Add* | *0.45* | |

### 09 97 13 23-0032 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11

| | | | | |
|---|---|---|---|---|
| 09 97 13 23-0033 | SF | Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation | 1.06 | |
| | | *For Up To 100, Add* | *0.74* | |
| | | *For >100 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.15* | |
| 09 97 13 23-0034 | SF | Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation | 0.93 | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.13* | |
| 09 97 13 23-0035 | SF | Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation | 0.92 | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| 09 97 13 23-0036 | SF | Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation | 1.31 | |
| | | *For Up To 100, Add* | *0.93* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| 09 97 13 23-0037 | SF | >14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation | 1.18 | |
| | | *For Up To 100, Add* | *0.83* | |
| | | *For >100 To 250, Add* | *0.39* | |
| | | *For >250 To 500, Add* | *0.17* | |

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

### 09 97 13 23-0038 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.

| | | | | | |
|---|---|---|---|---|---|
| 09 97 13 23-0039 | SF | Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation | | 3.94 | |
| | | *For Up To 100, Add* | | *2.82* | |
| | | *For >100 To 250, Add* | | *1.32* | |
| | | *For >250 To 500, Add* | | *0.57* | |
| 09 97 13 23-0040 | SF | Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation | | 3.35 | |
| | | *For Up To 100, Add* | | *2.39* | |
| | | *For >100 To 250, Add* | | *1.12* | |
| | | *For >250 To 500, Add* | | *0.48* | |
| 09 97 13 23-0041 | SF | Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation | | 3.17 | |
| | | *For Up To 100, Add* | | *2.26* | |
| | | *For >100 To 250, Add* | | *1.06* | |
| | | *For >250 To 500, Add* | | *0.46* | |
| 09 97 13 23-0042 | SF | Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation | | 4.65 | |
| | | *For Up To 100, Add* | | *3.37* | |
| | | *For >100 To 250, Add* | | *1.58* | |
| | | *For >250 To 500, Add* | | *0.68* | |
| 09 97 13 23-0043 | SF | >14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation | | 4.20 | |
| | | *For Up To 100, Add* | | *3.03* | |
| | | *For >100 To 250, Add* | | *1.42* | |
| | | *For >250 To 500, Add* | | *0.61* | |

### 09 97 13 23-0044 SSPC SP11 Bare Metal Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. The profile shall not be less than 1 mil. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC-SP1, Solvent Cleaning, or other agreed upon methods. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 11.

| | | | | | |
|---|---|---|---|---|---|
| 09 97 13 23-0045 | SF | Type 1 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation | | 7.35 | |
| 09 97 13 23-0046 | SF | Type 2 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation | | 7.07 | |
| 09 97 13 23-0047 | SF | Type 3 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation | | 7.07 | |
| 09 97 13 23-0048 | SF | Up To 14" Diameter Pipe SP11 Bare Metal Power Tool Cleaning Surface Preparation | | 9.56 | |
| 09 97 13 23-0049 | SF | >14" Diameter Pipe SP11 Bare Metal Power Tool Cleaning Surface Preparation | | 8.61 | |

### 09 97 13 23-0050 Protective Coatings For Tanks And Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

### 09 97 13 23-0051 1.5 Mil Prime Coat For Structural Steel *(09 97 13 23-0050)*

| | | | | | |
|---|---|---|---|---|---|
| 09 97 13 23-0052 | SF | Spray Type 1 Structural Steel 1.5 Mil Prime Coat | | 1.22 | |
| | | *For Up To 100, Add* | | *0.80* | |
| | | *For >100 To 250, Add* | | *0.38* | |
| | | *For >250 To 500, Add* | | *0.16* | |
| 09 97 13 23-0053 | SF | Spray Type 2 Structural Steel 1.5 Mil Prime Coat | | 0.91 | |
| | | *For Up To 100, Add* | | *0.58* | |
| | | *For >100 To 250, Add* | | *0.28* | |
| | | *For >250 To 500, Add* | | *0.12* | |
| 09 97 13 23-0054 | SF | Spray Type 3 Structural Steel 1.5 Mil Prime Coat | | 0.82 | |
| | | *For Up To 100, Add* | | *0.51* | |
| | | *For >100 To 250, Add* | | *0.24* | |
| | | *For >250 To 500, Add* | | *0.11* | |
| 09 97 13 23-0055 | SF | Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat | | 1.46 | |
| | | *For Up To 100, Add* | | *0.98* | |
| | | *For >100 To 250, Add* | | *0.46* | |
| | | *For >250 To 500, Add* | | *0.20* | |
| 09 97 13 23-0056 | SF | Brush Type 1 Structural Steel 1.5 Mil Prime Coat | | 1.46 | |
| | | *For Up To 100, Add* | | *0.98* | |
| | | *For >100 To 250, Add* | | *0.46* | |
| | | *For >250 To 500, Add* | | *0.20* | |
| 09 97 13 23-0057 | SF | Brush Type 2 Structural Steel 1.5 Mil Prime Coat | | 1.09 | |
| | | *For Up To 100, Add* | | *0.72* | |
| | | *For >100 To 250, Add* | | *0.34* | |
| | | *For >250 To 500, Add* | | *0.15* | |
| 09 97 13 23-0058 | SF | Brush Type 3 Structural Steel 1.5 Mil Prime Coat | | 0.98 | |
| | | *For Up To 100, Add* | | *0.63* | |
| | | *For >100 To 250, Add* | | *0.30* | |
| | | *For >250 To 500, Add* | | *0.13* | |
| 09 97 13 23-0059 | SF | Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat | | 1.74 | |
| | | *For Up To 100, Add* | | *1.19* | |
| | | *For >100 To 250, Add* | | *0.56* | |
| | | *For >250 To 500, Add* | | *0.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **09 97 13 23-0060** | | **1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel** *(09 97 13 23-0050)* | | |
| 09 97 13 23-0061 | SF | Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 3.62 | |
| | | *For Up To 100, Add* | *2.33* | |
| | | *For >100 To 250, Add* | *1.11* | |
| | | *For >250 To 500, Add* | *0.48* | |
| 09 97 13 23-0062 | SF | Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 2.63 | |
| | | *For Up To 100, Add* | *1.62* | |
| | | *For >100 To 250, Add* | *0.78* | |
| | | *For >250 To 500, Add* | *0.34* | |
| 09 97 13 23-0063 | SF | Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 2.44 | |
| | | *For Up To 100, Add* | *1.48* | |
| | | *For >100 To 250, Add* | *0.71* | |
| | | *For >250 To 500, Add* | *0.31* | |
| 09 97 13 23-0064 | SF | Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 4.38 | |
| | | *For Up To 100, Add* | *2.89* | |
| | | *For >100 To 250, Add* | *1.37* | |
| | | *For >250 To 500, Add* | *0.59* | |
| 09 97 13 23-0065 | SF | Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 2.71 | |
| | | *For Up To 100, Add* | *1.74* | |
| | | *For >100 To 250, Add* | *0.83* | |
| | | *For >250 To 500, Add* | *0.36* | |
| 09 97 13 23-0066 | SF | Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 1.97 | |
| | | *For Up To 100, Add* | *1.22* | |
| | | *For >100 To 250, Add* | *0.58* | |
| | | *For >250 To 500, Add* | *0.25* | |
| 09 97 13 23-0067 | SF | Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 1.83 | |
| | | *For Up To 100, Add* | *1.11* | |
| | | *For >100 To 250, Add* | *0.53* | |
| | | *For >250 To 500, Add* | *0.23* | |
| 09 97 13 23-0068 | SF | Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 3.28 | |
| | | *For Up To 100, Add* | *2.17* | |
| | | *For >100 To 250, Add* | *1.03* | |
| | | *For >250 To 500, Add* | *0.44* | |
| 09 97 13 23-0069 | SF | Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 4.65 | |
| | | *For Up To 100, Add* | *3.10* | |
| | | *For >100 To 250, Add* | *1.47* | |
| | | *For >250 To 500, Add* | *0.63* | |
| 09 97 13 23-0070 | SF | Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 3.34 | |
| | | *For Up To 100, Add* | *2.16* | |
| | | *For >100 To 250, Add* | *1.02* | |
| | | *For >250 To 500, Add* | *0.44* | |
| 09 97 13 23-0071 | SF | Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 3.09 | |
| | | *For Up To 100, Add* | *1.97* | |
| | | *For >100 To 250, Add* | *0.94* | |
| | | *For >250 To 500, Add* | *0.41* | |
| 09 97 13 23-0072 | SF | Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 5.67 | |
| | | *For Up To 100, Add* | *3.86* | |
| | | *For >100 To 250, Add* | *1.82* | |
| | | *For >250 To 500, Add* | *0.78* | |
| 09 97 13 23-0073 | SF | Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 3.49 | |
| | | *For Up To 100, Add* | *2.33* | |
| | | *For >100 To 250, Add* | *1.10* | |
| | | *For >250 To 500, Add* | *0.48* | |
| 09 97 13 23-0074 | SF | Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 2.49 | |
| | | *For Up To 100, Add* | *1.61* | |
| | | *For >100 To 250, Add* | *0.76* | |
| | | *For >250 To 500, Add* | *0.33* | |
| 09 97 13 23-0075 | SF | Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 2.31 | |
| | | *For Up To 100, Add* | *1.47* | |
| | | *For >100 To 250, Add* | *0.70* | |
| | | *For >250 To 500, Add* | *0.30* | |
| 09 97 13 23-0076 | SF | Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 4.24 | |
| | | *For Up To 100, Add* | *2.89* | |
| | | *For >100 To 250, Add* | *1.36* | |
| | | *For >250 To 500, Add* | *0.59* | |
| **09 97 13 23-0077** | | **Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel** *(09 97 13 23-0050)* | | |
| 09 97 13 23-0078 | SF | Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 2.79 | |
| | | *For Up To 100, Add* | *1.82* | |
| | | *For >100 To 250, Add* | *0.86* | |
| | | *For >250 To 500, Add* | *0.37* | |
| 09 97 13 23-0079 | SF | Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 2.28 | |
| | | *For Up To 100, Add* | *1.46* | |
| | | *For >100 To 250, Add* | *0.69* | |
| | | *For >250 To 500, Add* | *0.30* | |
| 09 97 13 23-0080 | SF | Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 2.09 | |
| | | *For Up To 100, Add* | *1.32* | |
| | | *For >100 To 250, Add* | *0.63* | |
| | | *For >250 To 500, Add* | *0.27* | |
| 09 97 13 23-0081 | SF | Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 3.46 | |
| | | *For Up To 100, Add* | *2.31* | |
| | | *For >100 To 250, Add* | *1.09* | |
| | | *For >250 To 500, Add* | *0.47* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 23-0082 | SF | Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat | 1.79 | |
| | | *For Up To 100, Add* | *1.16* | |
| | | *For >100 To 250, Add* | *0.55* | |
| | | *For >250 To 500, Add* | *0.24* | |
| 09 97 13 23-0083 | SF | Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat | 1.46 | |
| | | *For Up To 100, Add* | *0.93* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| 09 97 13 23-0084 | SF | Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat | 1.35 | |
| | | *For Up To 100, Add* | *0.85* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.18* | |
| 09 97 13 23-0085 | SF | Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat | 2.21 | |
| | | *For Up To 100, Add* | *1.47* | |
| | | *For >100 To 250, Add* | *0.70* | |
| | | *For >250 To 500, Add* | *0.30* | |
| 09 97 13 23-0086 | SF | Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 3.32 | |
| | | *For Up To 100, Add* | *2.21* | |
| | | *For >100 To 250, Add* | *1.05* | |
| | | *For >250 To 500, Add* | *0.45* | |
| 09 97 13 23-0087 | SF | Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 2.70 | |
| | | *For Up To 100, Add* | *1.77* | |
| | | *For >100 To 250, Add* | *0.84* | |
| | | *For >250 To 500, Add* | *0.36* | |
| 09 97 13 23-0088 | SF | Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 2.47 | |
| | | *For Up To 100, Add* | *1.60* | |
| | | *For >100 To 250, Add* | *0.76* | |
| | | *For >250 To 500, Add* | *0.33* | |
| 09 97 13 23-0089 | SF | Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 4.13 | |
| | | *For Up To 100, Add* | *2.81* | |
| | | *For >100 To 250, Add* | *1.33* | |
| | | *For >250 To 500, Add* | *0.57* | |
| 09 97 13 23-0090 | SF | Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat | 2.13 | |
| | | *For Up To 100, Add* | *1.42* | |
| | | *For >100 To 250, Add* | *0.67* | |
| | | *For >250 To 500, Add* | *0.29* | |
| 09 97 13 23-0091 | SF | Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat | 1.73 | |
| | | *For Up To 100, Add* | *1.14* | |
| | | *For >100 To 250, Add* | *0.54* | |
| | | *For >250 To 500, Add* | *0.23* | |
| 09 97 13 23-0092 | SF | Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat | 1.59 | |
| | | *For Up To 100, Add* | *1.03* | |
| | | *For >100 To 250, Add* | *0.49* | |
| | | *For >250 To 500, Add* | *0.21* | |
| 09 97 13 23-0093 | SF | Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat | 2.66 | |
| | | *For Up To 100, Add* | *1.81* | |
| | | *For >100 To 250, Add* | *0.85* | |
| | | *For >250 To 500, Add* | *0.37* | |

## 09 97 13 23-0094 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel *(09 97 13 23-0050)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 23-0095 | SF | Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats | 4.64 | |
| | | *For Up To 100, Add* | *2.71* | |
| | | *For >100 To 250, Add* | *1.30* | |
| | | *For >250 To 500, Add* | *0.57* | |
| 09 97 13 23-0096 | SF | Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats | 3.40 | |
| | | *For Up To 100, Add* | *1.85* | |
| | | *For >100 To 250, Add* | *0.90* | |
| | | *For >250 To 500, Add* | *0.39* | |
| 09 97 13 23-0097 | SF | Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats | 3.03 | |
| | | *For Up To 100, Add* | *1.57* | |
| | | *For >100 To 250, Add* | *0.77* | |
| | | *For >250 To 500, Add* | *0.34* | |
| 09 97 13 23-0098 | SF | Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats | 5.24 | |
| | | *For Up To 100, Add* | *3.13* | |
| | | *For >100 To 250, Add* | *1.50* | |
| | | *For >250 To 500, Add* | *0.65* | |
| 09 97 13 23-0099 | SF | Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats | 3.25 | |
| | | *For Up To 100, Add* | *1.90* | |
| | | *For >100 To 250, Add* | *0.91* | |
| | | *For >250 To 500, Add* | *0.40* | |
| 09 97 13 23-0100 | SF | Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats | 2.38 | |
| | | *For Up To 100, Add* | *1.29* | |
| | | *For >100 To 250, Add* | *0.63* | |
| | | *For >250 To 500, Add* | *0.28* | |
| 09 97 13 23-0101 | SF | Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats | 2.12 | |
| | | *For Up To 100, Add* | *1.10* | |
| | | *For >100 To 250, Add* | *0.54* | |
| | | *For >250 To 500, Add* | *0.24* | |
| 09 97 13 23-0102 | SF | Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats | 3.67 | |
| | | *For Up To 100, Add* | *2.19* | |
| | | *For >100 To 250, Add* | *1.05* | |
| | | *For >250 To 500, Add* | *0.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 23-0103 | | 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel *(09 97 13 23-0050)* | | |
| 09 97 13 23-0104 | SF | Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats | 5.00 | |
| | | *For Up To 100, Add* | *2.76* | |
| | | *For >100 To 250, Add* | *1.34* | |
| | | *For >250 To 500, Add* | *0.59* | |
| 09 97 13 23-0105 | SF | Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats | 3.73 | |
| | | *For Up To 100, Add* | *1.90* | |
| | | *For >100 To 250, Add* | *0.93* | |
| | | *For >250 To 500, Add* | *0.41* | |
| 09 97 13 23-0106 | SF | Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats | 3.36 | |
| | | *For Up To 100, Add* | *1.62* | |
| | | *For >100 To 250, Add* | *0.80* | |
| | | *For >250 To 500, Add* | *0.35* | |
| 09 97 13 23-0107 | SF | Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats | 5.61 | |
| | | *For Up To 100, Add* | *3.19* | |
| | | *For >100 To 250, Add* | *1.54* | |
| | | *For >250 To 500, Add* | *0.67* | |
| 09 97 13 23-0108 | SF | Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats | 4.10 | |
| | | *For Up To 100, Add* | *2.27* | |
| | | *For >100 To 250, Add* | *1.10* | |
| | | *For >250 To 500, Add* | *0.48* | |
| 09 97 13 23-0109 | SF | Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats | 3.06 | |
| | | *For Up To 100, Add* | *1.56* | |
| | | *For >100 To 250, Add* | *0.76* | |
| | | *For >250 To 500, Add* | *0.34* | |
| 09 97 13 23-0110 | SF | Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats | 2.76 | |
| | | *For Up To 100, Add* | *1.33* | |
| | | *For >100 To 250, Add* | *0.66* | |
| | | *For >250 To 500, Add* | *0.29* | |
| 09 97 13 23-0111 | SF | Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats | 4.60 | |
| | | *For Up To 100, Add* | *2.61* | |
| | | *For >100 To 250, Add* | *1.26* | |
| | | *For >250 To 500, Add* | *0.55* | |
| 09 97 13 23-0112 | | 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel *(09 97 13 23-0050)* | | |
| 09 97 13 23-0113 | SF | Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats | 10.44 | |
| | | *For Up To 100, Add* | *5.93* | |
| | | *For >100 To 250, Add* | *2.86* | |
| | | *For >250 To 500, Add* | *1.25* | |
| 09 97 13 23-0114 | SF | Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats | 7.96 | |
| | | *For Up To 100, Add* | *4.27* | |
| | | *For >100 To 250, Add* | *2.08* | |
| | | *For >250 To 500, Add* | *0.91* | |
| 09 97 13 23-0115 | SF | Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats | 7.68 | |
| | | *For Up To 100, Add* | *4.06* | |
| | | *For >100 To 250, Add* | *1.98* | |
| | | *For >250 To 500, Add* | *0.87* | |
| 09 97 13 23-0116 | SF | Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats | 12.08 | |
| | | *For Up To 100, Add* | *7.12* | |
| | | *For >100 To 250, Add* | *3.42* | |
| | | *For >250 To 500, Add* | *1.49* | |
| 09 97 13 23-0117 | | 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel *(09 97 13 23-0050)* | | |
| 09 97 13 23-0118 | SF | Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats | 5.53 | |
| | | *For Up To 100, Add* | *2.89* | |
| | | *For >100 To 250, Add* | *1.41* | |
| | | *For >250 To 500, Add* | *0.62* | |
| 09 97 13 23-0119 | SF | Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats | 4.41 | |
| | | *For Up To 100, Add* | *2.06* | |
| | | *For >100 To 250, Add* | *1.02* | |
| | | *For >250 To 500, Add* | *0.45* | |
| 09 97 13 23-0120 | SF | Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats | 4.22 | |
| | | *For Up To 100, Add* | *1.92* | |
| | | *For >100 To 250, Add* | *0.96* | |
| | | *For >250 To 500, Add* | *0.43* | |
| 09 97 13 23-0121 | SF | Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats | 6.25 | |
| | | *For Up To 100, Add* | *3.39* | |
| | | *For >100 To 250, Add* | *1.65* | |
| | | *For >250 To 500, Add* | *0.72* | |
| 09 97 13 23-0122 | SF | Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats | 4.37 | |
| | | *For Up To 100, Add* | *2.29* | |
| | | *For >100 To 250, Add* | *1.12* | |
| | | *For >250 To 500, Add* | *0.49* | |
| 09 97 13 23-0123 | SF | Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats | 3.48 | |
| | | *For Up To 100, Add* | *1.63* | |
| | | *For >100 To 250, Add* | *0.81* | |
| | | *For >250 To 500, Add* | *0.36* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 23-0124 | SF | Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats | 3.34 | |
| | | *For Up To 100, Add* | *1.52* | |
| | | *For >100 To 250, Add* | *0.76* | |
| | | *For >250 To 500, Add* | *0.34* | |
| 09 97 13 23-0125 | SF | Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats | 4.95 | |
| | | *For Up To 100, Add* | *2.69* | |
| | | *For >100 To 250, Add* | *1.31* | |
| | | *For >250 To 500, Add* | *0.57* | |
| **09 97 13 23-0126** | | **Two 8 Mil Coal Tar Epoxy Coats For Structural Steel** *(09 97 13 23-0050)* | | |
| 09 97 13 23-0127 | SF | Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats | 4.63 | |
| | | *For Up To 100, Add* | *2.76* | |
| | | *For >100 To 250, Add* | *1.32* | |
| | | *For >250 To 500, Add* | *0.58* | |
| 09 97 13 23-0128 | SF | Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats | 3.78 | |
| | | *For Up To 100, Add* | *2.19* | |
| | | *For >100 To 250, Add* | *1.05* | |
| | | *For >250 To 500, Add* | *0.46* | |
| 09 97 13 23-0129 | SF | Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats | 3.50 | |
| | | *For Up To 100, Add* | *1.98* | |
| | | *For >100 To 250, Add* | *0.96* | |
| | | *For >250 To 500, Add* | *0.42* | |
| 09 97 13 23-0130 | SF | Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats | 5.70 | |
| | | *For Up To 100, Add* | *3.54* | |
| | | *For >100 To 250, Add* | *1.69* | |
| | | *For >250 To 500, Add* | *0.73* | |
| **09 97 13 23-0131** | | **One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel** *(09 97 13 23-0050)* | | |
| 09 97 13 23-0132 | SF | Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat | 4.44 | |
| | | *For Up To 100, Add* | *2.79* | |
| | | *For >100 To 250, Add* | *1.33* | |
| | | *For >250 To 500, Add* | *0.58* | |
| 09 97 13 23-0133 | SF | Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat | 3.18 | |
| | | *For Up To 100, Add* | *1.88* | |
| | | *For >100 To 250, Add* | *0.90* | |
| | | *For >250 To 500, Add* | *0.39* | |
| 09 97 13 23-0134 | SF | Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat | 2.71 | |
| | | *For Up To 100, Add* | *1.52* | |
| | | *For >100 To 250, Add* | *0.74* | |
| | | *For >250 To 500, Add* | *0.32* | |
| 09 97 13 23-0135 | SF | Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat | 5.05 | |
| | | *For Up To 100, Add* | *3.21* | |
| | | *For >100 To 250, Add* | *1.53* | |
| | | *For >250 To 500, Add* | *0.66* | |
| **09 97 13 23-0136** | | **One 3 Mil High Zinc Silicate Coat For Structural Steel** *(09 97 13 23-0050)* | | |
| 09 97 13 23-0137 | SF | Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat | 2.43 | |
| | | *For Up To 100, Add* | *1.26* | |
| | | *For >100 To 250, Add* | *0.62* | |
| | | *For >250 To 500, Add* | *0.27* | |
| 09 97 13 23-0138 | SF | Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat | 1.78 | |
| | | *For Up To 100, Add* | *0.83* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.18* | |
| 09 97 13 23-0139 | SF | Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat | 1.69 | |
| | | *For Up To 100, Add* | *0.76* | |
| | | *For >100 To 250, Add* | *0.38* | |
| | | *For >250 To 500, Add* | *0.17* | |
| 09 97 13 23-0140 | SF | Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat | 2.55 | |
| | | *For Up To 100, Add* | *1.33* | |
| | | *For >100 To 250, Add* | *0.65* | |
| | | *For >250 To 500, Add* | *0.29* | |
| **09 97 13 23-0141** | | **Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel** *(09 97 13 23-0050)* | | |
| | | Note: Installed over existing primer. | | |
| 09 97 13 23-0142 | SF | Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats | 3.70 | |
| | | *For Up To 100, Add* | *2.12* | |
| | | *For >100 To 250, Add* | *1.02* | |
| | | *For >250 To 500, Add* | *0.45* | |
| 09 97 13 23-0143 | SF | Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats | 3.04 | |
| | | *For Up To 100, Add* | *1.69* | |
| | | *For >100 To 250, Add* | *0.82* | |
| | | *For >250 To 500, Add* | *0.36* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 23-0144 | SF | Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats | 2.66 | |
| | | *For Up To 100, Add* | *1.40* | |
| | | *For >100 To 250, Add* | *0.68* | |
| | | *For >250 To 500, Add* | *0.30* | |
| 09 97 13 23-0145 | SF | Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats | 4.29 | |
| | | *For Up To 100, Add* | *2.54* | |
| | | *For >100 To 250, Add* | *1.22* | |
| | | *For >250 To 500, Add* | *0.53* | |
| 09 97 13 23-0146 | | One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine Epoxy Finish Coats For Pipe Exterior *(09 97 13 23-0050)* | | |
| 09 97 13 23-0147 | SF | Spray Up To 14" Diameter Pipe One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine Epoxy Finish Coats For Pipe Exterior | 5.36 | |
| | | *For Up To 100, Add* | *2.72* | |
| | | *For >100 To 250, Add* | *1.34* | |
| | | *For >250 To 500, Add* | *0.59* | |
| 09 97 13 23-0148 | SF | Spray >14" Diameter Pipe One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine Epoxy Finish Coats For Pipe Exterior | 5.21 | |
| | | *For Up To 100, Add* | *2.61* | |
| | | *For >100 To 250, Add* | *1.28* | |
| | | *For >250 To 500, Add* | *0.57* | |
| 09 97 13 23-0149 | | Two 6 Mil Modified Polyamine Epoxy Coats For Pipe Interior *(09 97 13 23-0050)* | | |
| 09 97 13 23-0150 | SF | Spray Two 6 Mil Modified Polyamine Epoxy Coats For Pipe Interior | 7.98 | |
| | | *For Up To 100, Add* | *5.05* | |
| | | *For >100 To 250, Add* | *2.40* | |
| | | *For >250 To 500, Add* | *1.04* | |
| 09 97 13 23-0151 | | Hot Stick Galvanizing *(09 97 13 23)* | | |
| 09 97 13 23-0152 | SI | Hot Stick Galvanizing<br>Note: Includes wire brush cleaning, heating with torch, applying stick galvanizing and final wire brush cleaning. | 3.50 | |
| **09 97 13 24** | | **Steel Water Storage Tank Painting** *(09 97 13)* | | |
| 09 97 13 24-0001 | | Surface Preparation For Tanks *(09 97 13 24)*<br>Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter. | | |
| 09 97 13 24-0002 | | SSPC SP1 Chemical Or Steam Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)* | | |
| 09 97 13 24-0003 | SF | Small Vessel/Tank SP1 Chemical Or Steam Cleaning Surface Preparation | 0.71 | |
| | | *For Up To 100, Add* | *0.53* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| 09 97 13 24-0004 | SF | Large Vessel/Tank SP1 Chemical Or Steam Cleaning Surface Preparation | 0.63 | |
| | | *For Up To 100, Add* | *0.47* | |
| | | *For >100 To 250, Add* | *0.22* | |
| | | *For >250 To 500, Add* | *0.09* | |
| 09 97 13 24-0005 | SF | Vessel/Tank Interior SP1 Chemical Or Steam Cleaning Surface Preparation | 0.88 | |
| | | *For Up To 100, Add* | *0.66* | |
| | | *For >100 To 250, Add* | *0.31* | |
| | | *For >250 To 500, Add* | *0.13* | |
| 09 97 13 24-0006 | | SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)* | | |
| 09 97 13 24-0007 | SF | Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation | 1.41 | |
| | | *For Up To 100, Add* | *1.06* | |
| | | *For >100 To 250, Add* | *0.49* | |
| | | *For >250 To 500, Add* | *0.21* | |
| 09 97 13 24-0008 | SF | Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation | 1.25 | |
| | | *For Up To 100, Add* | *0.94* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| 09 97 13 24-0009 | SF | Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation | 1.77 | |
| | | *For Up To 100, Add* | *1.33* | |
| | | *For >100 To 250, Add* | *0.62* | |
| | | *For >250 To 500, Add* | *0.27* | |
| 09 97 13 24-0010 | | SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)* | | |
| 09 97 13 24-0011 | SF | Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation | 3.96 | |
| | | *For Up To 100, Add* | *2.82* | |
| | | *For >100 To 250, Add* | *1.32* | |
| | | *For >250 To 500, Add* | *0.57* | |
| 09 97 13 24-0012 | SF | Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation | 3.77 | |
| | | *For Up To 100, Add* | *2.68* | |
| | | *For >100 To 250, Add* | *1.26* | |
| | | *For >250 To 500, Add* | *0.54* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 24-0013 | SF | Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation | 5.53 | |
| | | *For Up To 100, Add* | *4.00* | |
| | | *For >100 To 250, Add* | *1.87* | |
| | | *For >250 To 500, Add* | *0.80* | |

## 09 97 13 24-0014 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0015 | SF | Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation | 2.19 | |
| | | *For Up To 100, Add* | *1.55* | |
| | | *For >100 To 250, Add* | *0.73* | |
| | | *For >250 To 500, Add* | *0.31* | |
| 09 97 13 24-0016 | SF | Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation | 2.00 | |
| | | *For Up To 100, Add* | *1.41* | |
| | | *For >100 To 250, Add* | *0.66* | |
| | | *For >250 To 500, Add* | *0.29* | |
| 09 97 13 24-0017 | SF | Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation | 2.93 | |
| | | *For Up To 100, Add* | *2.11* | |
| | | *For >100 To 250, Add* | *0.99* | |
| | | *For >250 To 500, Add* | *0.42* | |

## 09 97 13 24-0018 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0019 | SF | Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation | 0.89 | |
| | | *For Up To 100, Add* | *0.63* | |
| | | *For >100 To 250, Add* | *0.29* | |
| | | *For >250 To 500, Add* | *0.13* | |
| 09 97 13 24-0020 | SF | Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation | 0.72 | |
| | | *For Up To 100, Add* | *0.51* | |
| | | *For >100 To 250, Add* | *0.24* | |
| | | *For >250 To 500, Add* | *0.10* | |
| 09 97 13 24-0021 | SF | Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation | 1.26 | |
| | | *For Up To 100, Add* | *0.92* | |
| | | *For >100 To 250, Add* | *0.43* | |
| | | *For >250 To 500, Add* | *0.18* | |

## 09 97 13 24-0022 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0023 | SF | Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation | 3.16 | |
| | | *For Up To 100, Add* | *2.26* | |
| | | *For >100 To 250, Add* | *1.06* | |
| | | *For >250 To 500, Add* | *0.46* | |
| 09 97 13 24-0024 | SF | Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation | 3.16 | |
| | | *For Up To 100, Add* | *2.26* | |
| | | *For >100 To 250, Add* | *1.06* | |
| | | *For >250 To 500, Add* | *0.46* | |
| 09 97 13 24-0025 | SF | Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation | 4.64 | |
| | | *For Up To 100, Add* | *3.37* | |
| | | *For >100 To 250, Add* | *1.58* | |
| | | *For >250 To 500, Add* | *0.68* | |

## 09 97 13 24-0026 SSPC SP11 Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0027 | SF | Small Vessel/Tank SP11 Power Tool Cleaning Surface Preparation | 7.07 | |
| 09 97 13 24-0028 | SF | Large Vessel/Tank SP11 Power Tool Cleaning Surface Preparation | 6.25 | |
| 09 97 13 24-0029 | SF | Vessel/Tank Interior SP11 Power Tool Cleaning Surface Preparation | 8.82 | |

## 09 97 13 24-0030 Protective Coatings For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

## 09 97 13 24-0031 1.5 Mil Prime Coat For Tanks *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0032 | SF | Spray Small Vessel/Tank 1.5 Mil Prime Coat | 0.72 | |
| | | *For Up To 100, Add* | *0.44* | |
| | | *For >100 To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.09* | |
| 09 97 13 24-0033 | SF | Spray Large Vessel/Tank 1.5 Mil Prime Coat | 0.58 | |
| | | *For Up To 100, Add* | *0.34* | |
| | | *For >100 To 250, Add* | *0.16* | |
| | | *For >250 To 500, Add* | *0.07* | |
| 09 97 13 24-0034 | SF | Spray Tank Interior 1.5 Mil Prime Coat | 1.37 | |
| | | *For Up To 100, Add* | *0.93* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| 09 97 13 24-0035 | SF | Brush Small Vessel/Tank 1.5 Mil Prime Coat | 0.84 | |
| | | *For Up To 100, Add* | *0.53* | |
| | | *For >100 To 250, Add* | *0.25* | |
| | | *For >250 To 500, Add* | *0.11* | |
| 09 97 13 24-0036 | SF | Brush Large Vessel/Tank 1.5 Mil Prime Coat | 0.68 | |
| | | *For Up To 100, Add* | *0.41* | |
| | | *For >100 To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.09* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 24-0037 | SF | Brush Tank Interior 1.5 Mil Prime Coat | 1.65 | |
| | | *For Up To 100, Add* | *1.14* | |
| | | *For >100 To 250, Add* | *0.54* | |
| | | *For >250 To 500, Add* | *0.23* | |

## 09 97 13 24-0038 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0039 | SF | Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 2.14 | |
| | | *For Up To 100, Add* | *1.27* | |
| | | *For >100 To 250, Add* | *0.61* | |
| | | *For >250 To 500, Add* | *0.27* | |
| 09 97 13 24-0040 | SF | Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 1.68 | |
| | | *For Up To 100, Add* | *0.92* | |
| | | *For >100 To 250, Add* | *0.45* | |
| | | *For >250 To 500, Add* | *0.20* | |
| 09 97 13 24-0041 | SF | Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 3.91 | |
| | | *For Up To 100, Add* | *2.60* | |
| | | *For >100 To 250, Add* | *1.23* | |
| | | *For >250 To 500, Add* | *0.53* | |
| 09 97 13 24-0042 | SF | Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 1.61 | |
| | | *For Up To 100, Add* | *0.96* | |
| | | *For >100 To 250, Add* | *0.46* | |
| | | *For >250 To 500, Add* | *0.20* | |
| 09 97 13 24-0043 | SF | Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 1.26 | |
| | | *For Up To 100, Add* | *0.69* | |
| | | *For >100 To 250, Add* | *0.34* | |
| | | *For >250 To 500, Add* | *0.15* | |
| 09 97 13 24-0044 | SF | Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 2.93 | |
| | | *For Up To 100, Add* | *1.95* | |
| | | *For >100 To 250, Add* | *0.92* | |
| | | *For >250 To 500, Add* | *0.40* | |
| 09 97 13 24-0045 | SF | Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 2.69 | |
| | | *For Up To 100, Add* | *1.68* | |
| | | *For >100 To 250, Add* | *0.80* | |
| | | *For >250 To 500, Add* | *0.35* | |
| 09 97 13 24-0046 | SF | Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 2.06 | |
| | | *For Up To 100, Add* | *1.21* | |
| | | *For >100 To 250, Add* | *0.58* | |
| | | *For >250 To 500, Add* | *0.25* | |
| 09 97 13 24-0047 | SF | Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats | 5.07 | |
| | | *For Up To 100, Add* | *3.47* | |
| | | *For >100 To 250, Add* | *1.63* | |
| | | *For >250 To 500, Add* | *0.70* | |
| 09 97 13 24-0048 | SF | Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 2.02 | |
| | | *For Up To 100, Add* | *1.26* | |
| | | *For >100 To 250, Add* | *0.60* | |
| | | *For >250 To 500, Add* | *0.26* | |
| 09 97 13 24-0049 | SF | Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 1.55 | |
| | | *For Up To 100, Add* | *0.91* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| 09 97 13 24-0050 | SF | Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats | 3.80 | |
| | | *For Up To 100, Add* | *2.60* | |
| | | *For >100 To 250, Add* | *1.23* | |
| | | *For >250 To 500, Add* | *0.53* | |

## 09 97 13 24-0051 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0052 | SF | Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 1.90 | |
| | | *For Up To 100, Add* | *1.18* | |
| | | *For >100 To 250, Add* | *0.56* | |
| | | *For >250 To 500, Add* | *0.24* | |
| 09 97 13 24-0053 | SF | Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 1.62 | |
| | | *For Up To 100, Add* | *0.97* | |
| | | *For >100 To 250, Add* | *0.46* | |
| | | *For >250 To 500, Add* | *0.20* | |
| 09 97 13 24-0054 | SF | Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 4.04 | |
| | | *For Up To 100, Add* | *2.78* | |
| | | *For >100 To 250, Add* | *1.31* | |
| | | *For >250 To 500, Add* | *0.57* | |
| 09 97 13 24-0055 | SF | Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat | 1.21 | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.16* | |
| 09 97 13 24-0056 | SF | Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat | 1.04 | |
| | | *For Up To 100, Add* | *0.62* | |
| | | *For >100 To 250, Add* | *0.30* | |
| | | *For >250 To 500, Add* | *0.13* | |
| 09 97 13 24-0057 | SF | Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats | 2.59 | |
| | | *For Up To 100, Add* | *1.79* | |
| | | *For >100 To 250, Add* | *0.84* | |
| | | *For >250 To 500, Add* | *0.36* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 24-0058 | SF | Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 2.24 | |
| | | *For Up To 100, Add* | *1.43* | |
| | | *For >100 To 250, Add* | *0.68* | |
| | | *For >250 To 500, Add* | *0.30* | |
| 09 97 13 24-0059 | SF | Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 1.90 | |
| | | *For Up To 100, Add* | *1.18* | |
| | | *For >100 To 250, Add* | *0.56* | |
| | | *For >250 To 500, Add* | *0.24* | |
| 09 97 13 24-0060 | SF | Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats | 5.14 | |
| | | *For Up To 100, Add* | *3.70* | |
| | | *For >100 To 250, Add* | *1.73* | |
| | | *For >250 To 500, Add* | *0.75* | |
| 09 97 13 24-0061 | SF | Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat | 1.43 | |
| | | *For Up To 100, Add* | *0.92* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| 09 97 13 24-0062 | SF | Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat | 1.21 | |
| | | *For Up To 100, Add* | *0.75* | |
| | | *For >100 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.16* | |
| 09 97 13 24-0063 | SF | Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats | 3.39 | |
| | | *For Up To 100, Add* | *2.39* | |
| | | *For >100 To 250, Add* | *1.12* | |
| | | *For >250 To 500, Add* | *0.48* | |

### 09 97 13 24-0064 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0065 | SF | Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats | 2.80 | |
| | | *For Up To 100, Add* | *1.42* | |
| | | *For >100 To 250, Add* | *0.70* | |
| | | *For >250 To 500, Add* | *0.31* | |
| 09 97 13 24-0066 | SF | Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats | 2.43 | |
| | | *For Up To 100, Add* | *1.14* | |
| | | *For >100 To 250, Add* | *0.57* | |
| | | *For >250 To 500, Add* | *0.25* | |
| 09 97 13 24-0067 | SF | Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats | 1.97 | |
| | | *For Up To 100, Add* | *1.00* | |
| | | *For >100 To 250, Add* | *0.49* | |
| | | *For >250 To 500, Add* | *0.22* | |
| 09 97 13 24-0068 | SF | Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats | 1.70 | |
| | | *For Up To 100, Add* | *0.80* | |
| | | *For >100 To 250, Add* | *0.40* | |
| | | *For >250 To 500, Add* | *0.18* | |

### 09 97 13 24-0069 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0070 | SF | Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats | 3.12 | |
| | | *For Up To 100, Add* | *1.47* | |
| | | *For >100 To 250, Add* | *0.73* | |
| | | *For >250 To 500, Add* | *0.32* | |
| 09 97 13 24-0071 | SF | Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats | 2.75 | |
| | | *For Up To 100, Add* | *1.19* | |
| | | *For >100 To 250, Add* | *0.60* | |
| | | *For >250 To 500, Add* | *0.27* | |
| 09 97 13 24-0072 | SF | Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats | 2.56 | |
| | | *For Up To 100, Add* | *1.21* | |
| | | *For >100 To 250, Add* | *0.60* | |
| | | *For >250 To 500, Add* | *0.27* | |
| 09 97 13 24-0073 | SF | Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats | 2.25 | |
| | | *For Up To 100, Add* | *0.97* | |
| | | *For >100 To 250, Add* | *0.49* | |
| | | *For >250 To 500, Add* | *0.22* | |

### 09 97 13 24-0074 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0075 | SF | Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats | 7.41 | |
| | | *For Up To 100, Add* | *3.90* | |
| | | *For >100 To 250, Add* | *1.90* | |
| | | *For >250 To 500, Add* | *0.84* | |
| 09 97 13 24-0076 | SF | Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats | 6.85 | |
| | | *For Up To 100, Add* | *3.48* | |
| | | *For >100 To 250, Add* | *1.71* | |
| | | *For >250 To 500, Add* | *0.75* | |
| 09 97 13 24-0077 | SF | Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats | 11.14 | |
| | | *For Up To 100, Add* | *6.70* | |
| | | *For >100 To 250, Add* | *3.21* | |
| | | *For >250 To 500, Add* | *1.40* | |

### 09 97 13 24-0078 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks *(09 97 13 24-0030)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 24-0079 | SF | Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats | 3.93 | |
| | | *For Up To 100, Add* | *1.84* | |
| | | *For >100 To 250, Add* | *0.92* | |
| | | *For >250 To 500, Add* | *0.41* | |
| 09 97 13 24-0080 | SF | Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats | 3.51 | |
| | | *For Up To 100, Add* | *1.53* | |
| | | *For >100 To 250, Add* | *0.77* | |
| | | *For >250 To 500, Add* | *0.34* | |
| 09 97 13 24-0081 | SF | Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats | 5.75 | |
| | | *For Up To 100, Add* | *3.21* | |
| | | *For >100 To 250, Add* | *1.55* | |
| | | *For >250 To 500, Add* | *0.68* | |
| 09 97 13 24-0082 | SF | Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats | 3.10 | |
| | | *For Up To 100, Add* | *1.45* | |
| | | *For >100 To 250, Add* | *0.72* | |
| | | *For >250 To 500, Add* | *0.32* | |
| 09 97 13 24-0083 | SF | Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats | 2.78 | |
| | | *For Up To 100, Add* | *1.21* | |
| | | *For >100 To 250, Add* | *0.61* | |
| | | *For >250 To 500, Add* | *0.27* | |
| 09 97 13 24-0084 | SF | Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats | 4.55 | |
| | | *For Up To 100, Add* | *2.54* | |
| | | *For >100 To 250, Add* | *1.23* | |
| | | *For >250 To 500, Add* | *0.54* | |

## 09 97 13 24-0085 Two 8 Mil Coal Tar Epoxy Coats For Tanks *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0086 | SF | Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats | 3.47 | |
| | | *For Up To 100, Add* | *1.97* | |
| | | *For >100 To 250, Add* | *0.95* | |
| | | *For >250 To 500, Add* | *0.42* | |
| 09 97 13 24-0087 | SF | Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats | 2.91 | |
| | | *For Up To 100, Add* | *1.55* | |
| | | *For >100 To 250, Add* | *0.76* | |
| | | *For >250 To 500, Add* | *0.33* | |
| 09 97 13 24-0088 | SF | Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats | 4.40 | |
| | | *For Up To 100, Add* | *2.67* | |
| | | *For >100 To 250, Add* | *1.28* | |
| | | *For >250 To 500, Add* | *0.56* | |

## 09 97 13 24-0089 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0090 | SF | Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat | 2.40 | |
| | | *For Up To 100, Add* | *1.31* | |
| | | *For >100 To 250, Add* | *0.64* | |
| | | *For >250 To 500, Add* | *0.28* | |
| 09 97 13 24-0091 | SF | Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat | 2.22 | |
| | | *For Up To 100, Add* | *1.17* | |
| | | *For >100 To 250, Add* | *0.57* | |
| | | *For >250 To 500, Add* | *0.25* | |
| 09 97 13 24-0092 | SF | Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat | 3.61 | |
| | | *For Up To 100, Add* | *2.22* | |
| | | *For >100 To 250, Add* | *1.06* | |
| | | *For >250 To 500, Add* | *0.46* | |

## 09 97 13 24-0093 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0094 | SF | Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats | 5.26 | |
| | | *For Up To 100, Add* | *3.02* | |
| | | *For >100 To 250, Add* | *1.46* | |
| | | *For >250 To 500, Add* | *0.64* | |
| 09 97 13 24-0095 | SF | Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats | 3.26 | |
| | | *For Up To 100, Add* | *1.61* | |
| | | *For >100 To 250, Add* | *0.79* | |
| | | *For >250 To 500, Add* | *0.35* | |

## 09 97 13 24-0096 One 3 Mil High Zinc Silicate Coat For Tanks *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0097 | SF | Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat | 1.57 | |
| | | *For Up To 100, Add* | *0.68* | |
| | | *For >100 To 250, Add* | *0.34* | |
| | | *For >250 To 500, Add* | *0.15* | |
| 09 97 13 24-0098 | SF | Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat | 1.53 | |
| | | *For Up To 100, Add* | *0.65* | |
| | | *For >100 To 250, Add* | *0.33* | |
| | | *For >250 To 500, Add* | *0.15* | |
| 09 97 13 24-0099 | SF | Spray Tank Interior One 3 Mil High Zinc Silicate Coat | 2.41 | |
| | | *For Up To 100, Add* | *1.31* | |
| | | *For >100 To 250, Add* | *0.64* | |
| | | *For >250 To 500, Add* | *0.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 09 97 13 24-0100 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks *(09 97 13 24-0030)*

Note: Installed over existing primer.

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0101 | SF | Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats | 2.54 | |
| | | *For Up To 100, Add* | *1.33* | |
| | | *For >100 To 250, Add* | *0.65* | |
| | | *For >250 To 500, Add* | *0.29* | |
| 09 97 13 24-0102 | SF | Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats | 2.26 | |
| | | *For Up To 100, Add* | *1.12* | |
| | | *For >100 To 250, Add* | *0.55* | |
| | | *For >250 To 500, Add* | *0.24* | |
| 09 97 13 24-0103 | SF | Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats | 3.47 | |
| | | *For Up To 100, Add* | *2.03* | |
| | | *For >100 To 250, Add* | *0.97* | |
| | | *For >250 To 500, Add* | *0.42* | |

### 09 97 13 24-0104 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0105 | SF | Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat | 9.05 | |
| | | *For Up To 100, Add* | *5.61* | |
| | | *For >100 To 250, Add* | *2.68* | |
| | | *For >250 To 500, Add* | *1.16* | |

### 09 97 13 24-0106 One 3 Mil Epoxy Primer And Two 6 Mil Epoxy Finish Coats For Tank Interior *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0107 | SF | Brush One 3 Mil Epoxy Primer And Spray Two 6 Mil Epoxy Finish Coats For Contact Area Between Rafters And Underside of Tank Roof<br>Note: Devran 233H | 3.73 | |
| | | *For Up To 100, Add* | *1.96* | |
| | | *For >100 To 250, Add* | *0.96* | |
| | | *For >250 To 500, Add* | *0.42* | |
| 09 97 13 24-0108 | SF | Spray One 3 Mil Epoxy Primer And Spray Two 6 Mil Epoxy Finish Coats For Rafters, Underside Of Tank Roof, And Walls 2' Above Floor<br>Note: Devran 233H | 3.42 | |
| | | *For Up To 100, Add* | *1.73* | |
| | | *For >100 To 250, Add* | *0.85* | |
| | | *For >250 To 500, Add* | *0.37* | |

### 09 97 13 24-0109 One 15 Mil Epoxy Primer And One 15 Mil Epoxy Finish Coats For Tank Interior *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0110 | SF | Spray One 15 Mil Epoxy Primer And Spray One 15 Mil Epoxy Finish Coats For Tank Floor Interior And Up To 3' Of Wall<br>Note: Applied in 5 mil coats. | 7.69 | |
| | | *For Up To 100, Add* | *3.57* | |
| | | *For >100 To 250, Add* | *1.77* | |
| | | *For >250 To 500, Add* | *0.79* | |

### 09 97 13 24-0111 One 2 To 4 Mil Inorganic Zinc Primer, One 4 To 6 Mil Epoxy Intermediate Coat And One 2 To 3 Mil Aliphatic Urethane Finish Coat For Tank Exterior *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0112 | SF | Spray One 2 To 4 Mil Inorganic Zinc Primer, Spray One 4 To 6 Mil Epoxy Intermediate Coat And Spray One 2 To 3 Mil Aliphatic Urethane Finish Coat For Tank Exterior<br>Note: Devoe: Catha-Coat 302H primer, Bar-Rust 231H intermediate, and Devthane 379H finish or Tnemec: 91H2O Hydro-Zinc primer, N140F Pota-Pox intermediate, and 1075 Endura-Shield finish. | 2.94 | |
| | | *For Up To 100, Add* | *1.44* | |
| | | *For >100 To 250, Add* | *0.71* | |
| | | *For >250 To 500, Add* | *0.31* | |

### 09 97 13 24-0113 Polyamide Epoxy Exterior Prime Coat For Tanks (Macropoxy 646 FC) *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0114 | SF | Spray 5 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC) | 1.99 | |
| | | *For Up To 100, Add* | *1.07* | |
| | | *For >100 To 250, Add* | *0.52* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000, Deduct* | *-0.23* | |
| 09 97 13 24-0115 | SF | Spray 8 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC) | 2.93 | |
| | | *For Up To 100, Add* | *1.53* | |
| | | *For >100 To 250, Add* | *0.75* | |
| | | *For >250 To 500, Add* | *0.33* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.15* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.24* | |
| | | *For >10,000, Deduct* | *-0.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 24-0116 | SF | Spray 10 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC) | 3.38 | |
| | | *For Up To 100, Add* | *1.72* | |
| | | *For >100 To 250, Add* | *0.84* | |
| | | *For >250 To 500, Add* | *0.37* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.17* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.27* | |
| | | *For >10,000, Deduct* | *-0.37* | |
| 09 97 13 24-0117 | SF | Brush 5 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC) | 2.32 | |
| | | *For Up To 100, Add* | *1.32* | |
| | | *For >100 To 250, Add* | *0.64* | |
| | | *For >250 To 500, Add* | *0.28* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000, Deduct* | *-0.28* | |
| 09 97 13 24-0118 | SF | Brush 8 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC) | 3.40 | |
| | | *For Up To 100, Add* | *1.88* | |
| | | *For >100 To 250, Add* | *0.91* | |
| | | *For >250 To 500, Add* | *0.40* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.17* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.28* | |
| | | *For >10,000, Deduct* | *-0.40* | |
| 09 97 13 24-0119 | SF | Brush 10 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC) | 3.90 | |
| | | *For Up To 100, Add* | *2.11* | |
| | | *For >100 To 250, Add* | *1.03* | |
| | | *For >250 To 500, Add* | *0.45* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.20* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.32* | |
| | | *For >10,000, Deduct* | *-0.45* | |

## 09 97 13 24-0120 Aliphatic Acrylic Polyurethane Exterior Topcoat For Tanks (High-Solids Polyurethane 250) *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0121 | SF | Spray 3 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250) | 1.75 | |
| | | *For Up To 100, Add* | *0.83* | |
| | | *For >100 To 250, Add* | *0.41* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.14* | |
| | | *For >10,000, Deduct* | *-0.18* | |
| 09 97 13 24-0122 | SF | Spray 4 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250) | 2.22 | |
| | | *For Up To 100, Add* | *1.02* | |
| | | *For >100 To 250, Add* | *0.51* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.17* | |
| | | *For >10,000, Deduct* | *-0.23* | |
| 09 97 13 24-0123 | SF | Brush 3 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250) | 2.00 | |
| | | *For Up To 100, Add* | *1.02* | |
| | | *For >100 To 250, Add* | *0.50* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000, Deduct* | *-0.22* | |
| 09 97 13 24-0124 | SF | Brush 4 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250) | 2.51 | |
| | | *For Up To 100, Add* | *1.24* | |
| | | *For >100 To 250, Add* | *0.61* | |
| | | *For >250 To 500, Add* | *0.27* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000, Deduct* | *-0.27* | |

## 09 97 13 24-0125 Polyamide Epoxy Submerged Primer/Stripe Coat For Tanks (Macropoxy 646 PW) *(09 97 13 24-0030)*

See CSI section 01 22 23 00-0902 for confined space ventilation.

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0126 | SF | Spray 3 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW) | 2.16 | |
| | | *For Up To 100, Add* | *1.37* | |
| | | *For >100 To 250, Add* | *0.65* | |
| | | *For >250 To 500, Add* | *0.28* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000, Deduct* | *-0.28* | |
| | | *For Work In Restricted Working Space, Add* | *0.52* | |
| 09 97 13 24-0127 | SF | Spray 5 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW) | 1.98 | |
| | | *For Up To 100, Add* | *1.07* | |
| | | *For >100 To 250, Add* | *0.52* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000, Deduct* | *-0.23* | |
| | | *For Work In Restricted Working Space, Add* | *0.38* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 24-0128 | SF | Spray 6 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW) | 2.21 | |
| | | *For Up To 100, Add* | *1.15* | |
| | | *For >100 To 250, Add* | *0.56* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000, Deduct* | *-0.25* | |
| | | *For Work In Restricted Working Space, Add* | *0.41* | |
| 09 97 13 24-0129 | SF | Spray 8 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW) | 2.74 | |
| | | *For Up To 100, Add* | *1.39* | |
| | | *For >100 To 250, Add* | *0.68* | |
| | | *For >250 To 500, Add* | *0.30* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.14* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000, Deduct* | *-0.30* | |
| | | *For Work In Restricted Working Space, Add* | *0.49* | |
| 09 97 13 24-0130 | SF | Spray 10 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW) | 3.17 | |
| | | *For Up To 100, Add* | *1.56* | |
| | | *For >100 To 250, Add* | *0.77* | |
| | | *For >250 To 500, Add* | *0.34* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.16* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.25* | |
| | | *For >10,000, Deduct* | *-0.34* | |
| | | *For Work In Restricted Working Space, Add* | *0.54* | |
| 09 97 13 24-0131 | SF | Brush 3 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW) | 1.50 | |
| | | *For Up To 100, Add* | *0.87* | |
| | | *For >100 To 250, Add* | *0.42* | |
| | | *For >250 To 500, Add* | *0.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000, Deduct* | *-0.18* | |
| | | *For Work In Restricted Working Space, Add* | *0.32* | |
| 09 97 13 24-0132 | SF | Brush 5 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW) | 2.32 | |
| | | *For Up To 100, Add* | *1.32* | |
| | | *For >100 To 250, Add* | *0.64* | |
| | | *For >250 To 500, Add* | *0.28* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.20* | |
| | | *For >10,000, Deduct* | *-0.28* | |
| | | *For Work In Restricted Working Space, Add* | *0.49* | |
| 09 97 13 24-0133 | SF | Brush 6 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW) | 2.57 | |
| | | *For Up To 100, Add* | *1.42* | |
| | | *For >100 To 250, Add* | *0.69* | |
| | | *For >250 To 500, Add* | *0.30* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000, Deduct* | *-0.30* | |
| | | *For Work In Restricted Working Space, Add* | *0.52* | |
| 09 97 13 24-0134 | SF | Brush 8 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW) | 3.17 | |
| | | *For Up To 100, Add* | *1.71* | |
| | | *For >100 To 250, Add* | *0.83* | |
| | | *For >250 To 500, Add* | *0.36* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.16* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.26* | |
| | | *For >10,000, Deduct* | *-0.36* | |
| | | *For Work In Restricted Working Space, Add* | *0.62* | |
| 09 97 13 24-0135 | SF | Brush 10 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW) | 3.63 | |
| | | *For Up To 100, Add* | *1.91* | |
| | | *For >100 To 250, Add* | *0.93* | |
| | | *For >250 To 500, Add* | *0.41* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.18* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.30* | |
| | | *For >10,000, Deduct* | *-0.41* | |
| | | *For Work In Restricted Working Space, Add* | *0.68* | |

### 09 97 13 24-0136 Amine Epoxy Submerged Topcoat For Tanks (Sherplate PW Epoxy) *(09 97 13 24-0030)*

See CSI section 01 22 23 00-0902 for confined space ventilation.

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0137 | SF | Spray 16 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 3.73 | |
| | | *For Up To 100, Add* | *1.78* | |
| | | *For >100 To 250, Add* | *0.88* | |
| | | *For >250 To 500, Add* | *0.39* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.19* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.29* | |
| | | *For >10,000, Deduct* | *-0.39* | |
| | | *For Work In Restricted Working Space, Add* | *0.61* | |
| 09 97 13 24-0138 | SF | Spray 20 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 4.54 | |
| | | *For Up To 100, Add* | *2.13* | |
| | | *For >100 To 250, Add* | *1.06* | |
| | | *For >250 To 500, Add* | *0.47* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.23* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.35* | |
| | | *For >10,000, Deduct* | *-0.47* | |
| | | *For Work In Restricted Working Space, Add* | *0.73* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 24-0139 | SF | Spray 24 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 5.30 | |
| | | *For Up To 100, Add* | *2.45* | |
| | | *For >100 To 250, Add* | *1.22* | |
| | | *For >250 To 500, Add* | *0.54* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.27* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.40* | |
| | | *For >10,000, Deduct* | *-0.54* | |
| | | *For Work In Restricted Working Space, Add* | *0.83* | |
| 09 97 13 24-0140 | SF | Spray 30 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 6.44 | |
| | | *For Up To 100, Add* | *2.93* | |
| | | *For >100 To 250, Add* | *1.46* | |
| | | *For >250 To 500, Add* | *0.65* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.32* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.49* | |
| | | *For >10,000, Deduct* | *-0.65* | |
| | | *For Work In Restricted Working Space, Add* | *0.98* | |
| 09 97 13 24-0141 | SF | Spray 36 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 7.53 | |
| | | *For Up To 100, Add* | *3.36* | |
| | | *For >100 To 250, Add* | *1.68* | |
| | | *For >250 To 500, Add* | *0.75* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.38* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.56* | |
| | | *For >10,000, Deduct* | *-0.75* | |
| | | *For Work In Restricted Working Space, Add* | *1.12* | |
| 09 97 13 24-0142 | SF | Spray 42 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 8.56 | |
| | | *For Up To 100, Add* | *3.76* | |
| | | *For >100 To 250, Add* | *1.89* | |
| | | *For >250 To 500, Add* | *0.84* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.43* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.63* | |
| | | *For >10,000, Deduct* | *-0.84* | |
| | | *For Work In Restricted Working Space, Add* | *1.24* | |
| 09 97 13 24-0143 | SF | Spray 50 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 9.96 | |
| | | *For Up To 100, Add* | *4.30* | |
| | | *For >100 To 250, Add* | *2.16* | |
| | | *For >250 To 500, Add* | *0.97* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.50* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.73* | |
| | | *For >10,000, Deduct* | *-0.97* | |
| | | *For Work In Restricted Working Space, Add* | *1.40* | |
| 09 97 13 24-0144 | SF | Brush 16 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 4.26 | |
| | | *For Up To 100, Add* | *2.18* | |
| | | *For >100 To 250, Add* | *1.07* | |
| | | *For >250 To 500, Add* | *0.47* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.21* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.34* | |
| | | *For >10,000, Deduct* | *-0.47* | |
| | | *For Work In Restricted Working Space, Add* | *0.77* | |
| 09 97 13 24-0145 | SF | Brush 20 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 5.17 | |
| | | *For Up To 100, Add* | *2.61* | |
| | | *For >100 To 250, Add* | *1.28* | |
| | | *For >250 To 500, Add* | *0.56* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.26* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.41* | |
| | | *For >10,000, Deduct* | *-0.56* | |
| | | *For Work In Restricted Working Space, Add* | *0.92* | |
| 09 97 13 24-0146 | SF | Brush 24 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 6.01 | |
| | | *For Up To 100, Add* | *2.98* | |
| | | *For >100 To 250, Add* | *1.47* | |
| | | *For >250 To 500, Add* | *0.65* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.30* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.47* | |
| | | *For >10,000, Deduct* | *-0.65* | |
| | | *For Work In Restricted Working Space, Add* | *1.04* | |
| 09 97 13 24-0147 | SF | Brush 30 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 7.30 | |
| | | *For Up To 100, Add* | *3.57* | |
| | | *For >100 To 250, Add* | *1.76* | |
| | | *For >250 To 500, Add* | *0.78* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.37* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.57* | |
| | | *For >10,000, Deduct* | *-0.78* | |
| | | *For Work In Restricted Working Space, Add* | *1.24* | |
| 09 97 13 24-0148 | SF | Brush 36 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 8.51 | |
| | | *For Up To 100, Add* | *4.10* | |
| | | *For >100 To 250, Add* | *2.03* | |
| | | *For >250 To 500, Add* | *0.90* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.43* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.66* | |
| | | *For >10,000, Deduct* | *-0.90* | |
| | | *For Work In Restricted Working Space, Add* | *1.41* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 24-0149 | SF | Brush 42 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 9.65 | |
| | | *For Up To 100, Add* | *4.57* | |
| | | *For >100 To 250, Add* | *2.27* | |
| | | *For >250 To 500, Add* | *1.00* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.48* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.74* | |
| | | *For >10,000, Deduct* | *-1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.56* | |
| 09 97 13 24-0150 | SF | Brush 50 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy) | 11.19 | |
| | | *For Up To 100, Add* | *5.22* | |
| | | *For >100 To 250, Add* | *2.59* | |
| | | *For >250 To 500, Add* | *1.15* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.56* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.85* | |
| | | *For >10,000, Deduct* | *-1.15* | |
| | | *For Work In Restricted Working Space, Add* | *1.77* | |

## 09 97 13 24-0151 Epoxy Exterior Prime Coat For Tanks (Bar-Rust 231) *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0152 | SF | Spray 4 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231) | 1.46 | |
| | | *For Up To 100, Add* | *0.91* | |
| | | *For >100 To 250, Add* | *0.43* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000, Deduct* | *-0.19* | |
| 09 97 13 24-0153 | SF | Spray 6 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231) | 2.02 | |
| | | *For Up To 100, Add* | *1.23* | |
| | | *For >100 To 250, Add* | *0.59* | |
| | | *For >250 To 500, Add* | *0.26* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000, Deduct* | *-0.26* | |
| 09 97 13 24-0154 | SF | Spray 8 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231) | 2.50 | |
| | | *For Up To 100, Add* | *1.50* | |
| | | *For >100 To 250, Add* | *0.72* | |
| | | *For >250 To 500, Add* | *0.31* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.13* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000, Deduct* | *-0.31* | |
| 09 97 13 24-0155 | SF | Brush 4 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231) | 2.14 | |
| | | *For Up To 100, Add* | *1.19* | |
| | | *For >100 To 250, Add* | *0.57* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.11* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000, Deduct* | *-0.25* | |
| 09 97 13 24-0156 | SF | Brush 6 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231) | 2.80 | |
| | | *For Up To 100, Add* | *1.59* | |
| | | *For >100 To 250, Add* | *0.77* | |
| | | *For >250 To 500, Add* | *0.34* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.14* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.24* | |
| | | *For >10,000, Deduct* | *-0.34* | |
| 09 97 13 24-0157 | SF | Brush 8 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231) | 3.50 | |
| | | *For Up To 100, Add* | *1.94* | |
| | | *For >100 To 250, Add* | *0.94* | |
| | | *For >250 To 500, Add* | *0.41* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.18* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.29* | |
| | | *For >10,000, Deduct* | *-0.41* | |

## 09 97 13 24-0158 Aliphatic Urethane Exterior Topcoat For Tanks (Devthane 359) *(09 97 13 24-0030)*

| | | | | |
|---|---|---|---|---|
| 09 97 13 24-0159 | SF | Spray 4 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359) | 2.04 | |
| | | *For Up To 100, Add* | *1.00* | |
| | | *For >100 To 250, Add* | *0.49* | |
| | | *For >250 To 500, Add* | *0.22* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000, Deduct* | *-0.22* | |
| 09 97 13 24-0160 | SF | Spray 6 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359) | 2.87 | |
| | | *For Up To 100, Add* | *1.35* | |
| | | *For >100 To 250, Add* | *0.67* | |
| | | *For >250 To 500, Add* | *0.30* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.14* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000, Deduct* | *-0.30* | |
| 09 97 13 24-0161 | SF | Brush 4 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359) | 2.33 | |
| | | *For Up To 100, Add* | *1.21* | |
| | | *For >100 To 250, Add* | *0.59* | |
| | | *For >250 To 500, Add* | *0.26* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.19* | |
| | | *For >10,000, Deduct* | *-0.26* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 24-0162 | SF | Brush 6 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359) | 3.25 | |
| | | *For Up To 100, Add* | *1.65* | |
| | | *For >100 To 250, Add* | *0.81* | |
| | | *For >250 To 500, Add* | *0.36* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.16* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.26* | |
| | | *For >10,000, Deduct* | *-0.36* | |
| 09 97 13 24-0163 | | Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H) *(09 97 13 24-0030)* | | |
| | | See CSI section 01 22 23 00-0902 for confined space ventilation. | | |
| 09 97 13 24-0164 | SF | Spray 4 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H) | 1.49 | |
| | | *For Up To 100, Add* | *0.91* | |
| | | *For >100 To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.19* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.13* | |
| | | *For >10,000, Deduct* | *-0.19* | |
| | | *For Work In Restricted Working Space, Add* | *0.35* | |
| 09 97 13 24-0165 | SF | Spray 6 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H) | 2.03 | |
| | | *For Up To 100, Add* | *1.22* | |
| | | *For >100 To 250, Add* | *0.59* | |
| | | *For >250 To 500, Add* | *0.25* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.10* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.18* | |
| | | *For >10,000, Deduct* | *-0.25* | |
| | | *For Work In Restricted Working Space, Add* | *0.46* | |
| 09 97 13 24-0166 | SF | Brush 4 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H) | 1.78 | |
| | | *For Up To 100, Add* | *1.13* | |
| | | *For >100 To 250, Add* | *0.54* | |
| | | *For >250 To 500, Add* | *0.23* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.09* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.16* | |
| | | *For >10,000, Deduct* | *-0.23* | |
| | | *For Work In Restricted Working Space, Add* | *0.43* | |
| 09 97 13 24-0167 | SF | Brush 6 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H) | 2.44 | |
| | | *For Up To 100, Add* | *1.53* | |
| | | *For >100 To 250, Add* | *0.73* | |
| | | *For >250 To 500, Add* | *0.32* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.12* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.22* | |
| | | *For >10,000, Deduct* | *-0.32* | |
| | | *For Work In Restricted Working Space, Add* | *0.58* | |
| 09 97 13 24-0168 | | Epoxy Submerged Topcoat For Tanks (Bar-Rust 234P) *(09 97 13 24-0030)* | | |
| | | See CSI section 01 22 23 00-0902 for confined space ventilation. | | |
| 09 97 13 24-0169 | SF | Spray 25 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P) | 4.82 | |
| | | *For Up To 100, Add* | *2.37* | |
| | | *For >100 To 250, Add* | *1.17* | |
| | | *For >250 To 500, Add* | *0.52* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.24* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.38* | |
| | | *For >10,000, Deduct* | *-0.52* | |
| | | *For Work In Restricted Working Space, Add* | *0.83* | |
| 09 97 13 24-0170 | SF | Spray 30 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P) | 5.77 | |
| | | *For Up To 100, Add* | *2.83* | |
| | | *For >100 To 250, Add* | *1.40* | |
| | | *For >250 To 500, Add* | *0.62* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.29* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.45* | |
| | | *For >10,000, Deduct* | *-0.62* | |
| | | *For Work In Restricted Working Space, Add* | *0.98* | |
| 09 97 13 24-0171 | SF | Spray 35 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P) | 6.53 | |
| | | *For Up To 100, Add* | *3.16* | |
| | | *For >100 To 250, Add* | *1.56* | |
| | | *For >250 To 500, Add* | *0.69* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.33* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.51* | |
| | | *For >10,000, Deduct* | *-0.69* | |
| | | *For Work In Restricted Working Space, Add* | *1.09* | |
| 09 97 13 24-0172 | SF | Spray 40 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P) | 7.26 | |
| | | *For Up To 100, Add* | *3.45* | |
| | | *For >100 To 250, Add* | *1.71* | |
| | | *For >250 To 500, Add* | *0.76* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.36* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.56* | |
| | | *For >10,000, Deduct* | *-0.76* | |
| | | *For Work In Restricted Working Space, Add* | *1.18* | |
| 09 97 13 24-0173 | SF | Spray 45 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P) | 8.05 | |
| | | *For Up To 100, Add* | *3.80* | |
| | | *For >100 To 250, Add* | *1.89* | |
| | | *For >250 To 500, Add* | *0.83* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.40* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.62* | |
| | | *For >10,000, Deduct* | *-0.83* | |
| | | *For Work In Restricted Working Space, Add* | *1.30* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 09 97 13 24-0174 | SF | Spray 50 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P) | 8.82 | |
| | | *For Up To 100, Add* | *4.13* | |
| | | *For >100 To 250, Add* | *2.05* | |
| | | *For >250 To 500, Add* | *0.91* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.44* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.67* | |
| | | *For >10,000, Deduct* | *-0.91* | |
| | | *For Work In Restricted Working Space, Add* | *1.40* | |
| 09 97 13 24-0175 | SF | Brush 25 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P) | 5.69 | |
| | | *For Up To 100, Add* | *3.03* | |
| | | *For >100 To 250, Add* | *1.47* | |
| | | *For >250 To 500, Add* | *0.65* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.28* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.47* | |
| | | *For >10,000, Deduct* | *-0.65* | |
| | | *For Work In Restricted Working Space, Add* | *1.09* | |
| 09 97 13 24-0176 | SF | Brush 30 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P) | 6.62 | |
| | | *For Up To 100, Add* | *3.47* | |
| | | *For >100 To 250, Add* | *1.69* | |
| | | *For >250 To 500, Add* | *0.74* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.33* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.54* | |
| | | *For >10,000, Deduct* | *-0.74* | |
| | | *For Work In Restricted Working Space, Add* | *1.24* | |
| 09 97 13 24-0177 | SF | Brush 35 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P) | 7.47 | |
| | | *For Up To 100, Add* | *3.86* | |
| | | *For >100 To 250, Add* | *1.89* | |
| | | *For >250 To 500, Add* | *0.83* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.37* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.60* | |
| | | *For >10,000, Deduct* | *-0.83* | |
| | | *For Work In Restricted Working Space, Add* | *1.37* | |
| 09 97 13 24-0178 | SF | Brush 40 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P) | 8.28 | |
| | | *For Up To 100, Add* | *4.22* | |
| | | *For >100 To 250, Add* | *2.07* | |
| | | *For >250 To 500, Add* | *0.91* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.41* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.66* | |
| | | *For >10,000, Deduct* | *-0.91* | |
| | | *For Work In Restricted Working Space, Add* | *1.49* | |
| 09 97 13 24-0179 | SF | Brush 45 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P) | 9.17 | |
| | | *For Up To 100, Add* | *4.64* | |
| | | *For >100 To 250, Add* | *2.28* | |
| | | *For >250 To 500, Add* | *1.00* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.46* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.73* | |
| | | *For >10,000, Deduct* | *-1.00* | |
| | | *For Work In Restricted Working Space, Add* | *1.63* | |
| 09 97 13 24-0180 | SF | Brush 50 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P) | 10.05 | |
| | | *For Up To 100, Add* | *5.05* | |
| | | *For >100 To 250, Add* | *2.48* | |
| | | *For >250 To 500, Add* | *1.09* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.50* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.80* | |
| | | *For >10,000, Deduct* | *-1.09* | |
| | | *For Work In Restricted Working Space, Add* | *1.77* | |

## 09 97 26 Cementitious Coatings *(09 97)*

### 09 97 26 13 Interior Cementitious Coatings *(09 97 26)*

09 97 26 13-0001 Ceramic-Like Glazed Coating *(09 97 26 13)*

09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*

| | | | |
|---|---|---|---|
| 09 97 26 13-0003 | SF | Ceramic-like Glazed Coating. - Cementitious | 2.72 |

09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*

| | | | |
|---|---|---|---|
| 09 97 26 13-0005 | SF | Ceramic-like Glazed Coating - Resin | 2.26 |

## 09 97 35 Dry Erase Coatings *(09 97)*

09 97 35 00-0001 Dry-Erase Paint *(09 97 35)*

09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*

| | | | |
|---|---|---|---|
| 09 97 35 00-0003 | SF | Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller<br>Note: Includes two coats of primer and white, white sand, light beige or light gray surface. | 12.62 |

09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*

| | | | |
|---|---|---|---|
| 09 97 35 00-0005 | SF | Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller<br>Note: For application over existing latex-based top coats. | 7.05 |
| 09 97 35 00-0006 | SF | Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller<br>Note: Includes two coats of primer and white or black surface coat. | 13.53 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 09 97 63 Special Coatings and Protection Systems *(09 97)*

### 09 97 63 00-0001 Acrylic Glazed Coating *(09 97 63)*

| | | | | |
|---|---|---|---|---|
| 09 97 63 00-0002 | SF | Acrylic Glazed Coating | 1.75 | |

### 09 97 63 00-0003 Adsil HVAC Equipment Coatings *(09 97 63)*

Note: Shop applied. A small job has 1 to 6 units and a total of less than 100 tons. A large job has greater than 7 units and 100 tons.

| | | | | |
|---|---|---|---|---|
| 09 97 63 00-0004 | TON | <40 Ton Condenser, Small Job, Adsil HVAC Equipment Coating | 227.32 | |
| | | *For Field Applied, Add* | *34.10* | |
| 09 97 63 00-0005 | TON | 40 To 49 Ton Condenser, Small Job, Adsil HVAC Equipment Coating | 222.48 | |
| | | *For Field Applied, Add* | *33.37* | |
| 09 97 63 00-0006 | TON | >49 Ton Condenser, Small Job, Adsil HVAC Equipment Coating | 212.81 | |
| | | *For Field Applied, Add* | *31.92* | |
| 09 97 63 00-0007 | TON | <40 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating | 116.08 | |
| 09 97 63 00-0008 | TON | 40 To 49 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating | 111.24 | |
| 09 97 63 00-0009 | TON | >49 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating | 106.41 | |
| 09 97 63 00-0010 | TON | <40 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating | 43.53 | |
| 09 97 63 00-0011 | TON | 40 To 49 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating | 38.69 | |
| 09 97 63 00-0012 | TON | >49 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating | 33.86 | |
| 09 97 63 00-0013 | TON | 51 To 100 Ton Condenser, Large Job, Adsil HVAC Equipment Coating | 221.27 | |
| | | *For Field Applied, Add* | *33.19* | |
| | | *For Cabinet, Add* | *44.25* | |
| 09 97 63 00-0014 | TON | >100 Ton Condenser, Large Job, Adsil HVAC Equipment Coating | 201.93 | |
| | | *For Field Applied, Add* | *30.29* | |
| | | *For Cabinet, Add* | *40.39* | |
| 09 97 63 00-0015 | TON | 51 To 100 Ton Evaporator, Large Job Adsil HVAC Equipment Coating | 106.41 | |
| | | *For Cabinet, Add* | *21.28* | |
| 09 97 63 00-0016 | TON | >100 Ton Evaporator, Large Job, Adsil HVAC Equipment Coating | 101.57 | |
| | | *For Cabinet, Add* | *20.31* | |

**END OF SECTION 09**

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 10 Specialties

## 10 01 Operation and Maintenance of Specialties *(10)*

### 10 01 30 Operation and Maintenance of Fireplaces and Stoves *(10 01)*

10 01 30 00-0001 Fireplace Cleaning *(10 01 30)*

| | | | | |
|---|---|---|---|---|
| 10 01 30 00-0002 | EA | Inspect And Clean Fireplace Insert | 248.99 | |
| 10 01 30 00-0003 | EA | Inspect And Clean Fireplace Insert And Chimney | 298.79 | |
| 10 01 30 00-0004 | EA | Inspect And Clean Fireplace Brick/Masonry Chimney | 398.38 | |

### 10 01 40 Operation and Maintenance of Safety Specialties *(10 01)*

10 01 40 00-0001 Recharge Existing Portable Fire Extinguishers *(10 01 40)*

Note: Includes removal, filling, testing, certification and reinstallation.

10 01 40 00-0002 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers *(10 01 40 00-0001)*

| | | | | |
|---|---|---|---|---|
| 10 01 40 00-0003 | EA | Recharge 2.5 Lb. Carbon Dioxide Portable Fire Extinguisher | 18.49 | |
| 10 01 40 00-0004 | EA | Recharge 5 Lb. Carbon Dioxide Portable Fire Extinguisher | 20.54 | |
| 10 01 40 00-0005 | EA | Recharge 10 Lb. Carbon Dioxide Portable Fire Extinguisher | 21.36 | |
| 10 01 40 00-0006 | EA | Recharge 15 Lb. Carbon Dioxide Portable Fire Extinguisher | 24.18 | |
| 10 01 40 00-0007 | EA | Recharge 20 Lb. Carbon Dioxide Portable Fire Extinguisher | 27.94 | |

10 01 40 00-0008 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers *(10 01 40 00-0001)*

| | | | | |
|---|---|---|---|---|
| 10 01 40 00-0009 | EA | Recharge 2.5 Lb. Dry Chemical Portable Fire Extinguisher | 22.30 | |
| 10 01 40 00-0010 | EA | Recharge 5 Lb. Dry Chemical Portable Fire Extinguisher | 27.00 | |
| 10 01 40 00-0011 | EA | Recharge 10 Lb. Dry Chemical Portable Fire Extinguisher | 38.15 | |
| 10 01 40 00-0012 | EA | Recharge 20 Lb. Dry Chemical Portable Fire Extinguisher | 60.22 | |

10 01 40 00-0013 Recharge Other Portable Fire Extinguishers *(10 01 40 00-0001)*

| | | | | |
|---|---|---|---|---|
| 10 01 40 00-0014 | EA | Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher | 22.07 | |
| 10 01 40 00-0015 | EA | Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher | 157.30 | |
| 10 01 40 00-0016 | EA | Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher | 220.21 | |
| 10 01 40 00-0017 | EA | Recharge 30 Lb. Dry Powder Class D Portable Fire Extinguisher | 90.67 | |

### 10 01 50 Operation and Maintenance of Storage Specialties *(10 01)*

#### 10 01 50 11 Operation and Maintenance of Storage Specialties *(10 01 50)*

10 01 50 11-0001 Locker Repair And Refinishing *(10 01 50 11)*

| | | | | |
|---|---|---|---|---|
| 10 01 50 11-0002 | EA | Removal And Replacement Of Single Tier Locker Door | 364.31 | |
| 10 01 50 11-0003 | EA | Removal And Replacement Of Two Tier Locker Door | 286.39 | |
| 10 01 50 11-0004 | EA | Removal And Replacement Of Three Tier Locker Door | 245.28 | |
| 10 01 50 11-0005 | EA | Removal And Replacement Of Four Tier Locker Door | 206.74 | |
| 10 01 50 11-0006 | EA | Removal And Replacement Of Six Tier Or Sixteen Person Locker Door | 113.56 | |
| 10 01 50 11-0007 | EA | Realign Metal Locker Door For Proper Closure | 49.80 | |
| 10 01 50 11-0008 | EA | Patch Small Drill Holes in Locker | 9.96 | |

## 10 10 Information Specialties *(10)*

### 10 11 Visual Display Units *(10 10)*

#### 10 11 13 Chalkboards *(10 11)*

##### 10 11 13 13 Fixed Chalkboards *(10 11 13)*

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

| | | | | |
|---|---|---|---|---|
| 10 11 13 13-0003 | SF | Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard | 50.16 | 9.39 |
| 10 11 13 13-0004 | SF | >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard | 32.15 | 4.41 |
| 10 11 13 13-0005 | SF | >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard | 27.78 | 3.81 |
| 10 11 13 13-0006 | SF | >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard | 23.09 | 2.49 |
| 10 11 13 13-0007 | SF | >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard | 19.35 | 1.38 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 11 13 13-0008 | | 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)* | | |
| | | Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware. | | |
| 10 11 13 13-0009 | SF | Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard | 53.07 | 9.39 |
| 10 11 13 13-0010 | SF | >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard | 34.99 | 4.41 |
| 10 11 13 13-0011 | SF | >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard | 30.40 | 3.81 |
| 10 11 13 13-0012 | SF | >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard | 26.26 | 2.49 |
| 10 11 13 13-0013 | SF | >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard | 22.46 | 1.38 |
| 10 11 13 13-0014 | | 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) *(10 11 13 13-0001)* | | |
| | | Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware. | | |
| 10 11 13 13-0015 | SF | Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard | 48.36 | 9.39 |
| 10 11 13 13-0016 | SF | >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard | 30.31 | 4.41 |
| 10 11 13 13-0017 | SF | >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard | 26.03 | 3.81 |
| 10 11 13 13-0018 | SF | >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard | 21.62 | 2.49 |
| 10 11 13 13-0019 | SF | >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard | 17.71 | 1.38 |
| 10 11 13 13-0020 | | Removal And Reinstallation Of Chalkboards *(10 11 13 13)* | | |
| | | Note: Includes storage and cleaning. | | |
| 10 11 13 13-0021 | SF | Removal And Reinstallation Of Chalkboard | 11.56 | |
| 10 11 13 13-0022 | | Field Applied Chalkboard And Accessories *(10 11 13 13)* | | |
| 10 11 13 13-0023 | | Chalkboard Face Sheets And Panels *(10 11 13 13-0022)* | | |
| 10 11 13 13-0024 | SF | Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite) | 16.65 | 4.41 |
| | | Note: Includes porcelain enamel steel chalkboard skin. | | |
| 10 11 13 13-0025 | SF | Porcelain Enamel Steel Chalkboard Panel (Claridge VIT) | 19.89 | 4.41 |
| | | Note: Includes porcelain enamel steel surface mounted on either particleboard or hardboard core with an aluminum moisture barrier back. | | |
| 10 11 13 13-0026 | | Chalkboard And Markerboard Accessory Trays And Trim *(10 11 13 13-0022)* | | |
| 10 11 13 13-0027 | LF | Chalk And Marker Tray, Field Applied | 24.18 | 6.07 |
| 10 11 13 13-0028 | PR | Chalk And Marker Tray End Closures, Field Applied | 30.00 | 11.04 |
| 10 11 13 13-0029 | LF | Mullion Trim For Chalkboards And Markerboards, Field Applied | 17.03 | 6.07 |
| 10 11 13 13-0030 | LF | Screw On Trim For Chalkboards And Markerboards, Field Applied | 16.64 | 6.07 |
| 10 11 13 13-0031 | LF | 1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied | 17.74 | 6.07 |
| 10 11 13 13-0032 | LF | 1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied | 19.83 | 6.07 |
| 10 11 13 13-0033 | LF | No Leg Map Rail For Chalkboards And Markerboards, Field Applied | 17.74 | 6.07 |
| **10 11 13 33** | | **Rail-Mounted Chalkboards** *(10 11 13)* | | |
| 10 11 13 33-0001 | | Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) *(10 11 13 33)* | | |
| 10 11 13 33-0002 | | Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)* | | |
| 10 11 13 33-0003 | EA | 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 2,324.18 | 110.38 |
| 10 11 13 33-0004 | EA | 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 2,610.02 | 110.38 |
| 10 11 13 33-0005 | EA | 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 2,956.48 | 117.56 |
| 10 11 13 33-0006 | EA | 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 3,288.59 | 117.56 |
| 10 11 13 33-0007 | EA | 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 4,098.82 | 126.38 |
| 10 11 13 33-0008 | EA | 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 4,363.73 | 126.38 |
| 10 11 13 33-0009 | EA | 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 4,931.02 | 132.45 |
| 10 11 13 33-0010 | EA | 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 5,588.63 | 132.45 |
| 10 11 13 33-0011 | | Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)* | | |
| 10 11 13 33-0012 | EA | 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 3,176.81 | 110.38 |
| 10 11 13 33-0013 | EA | 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 3,768.89 | 110.38 |
| 10 11 13 33-0014 | EA | 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 4,313.64 | 117.56 |
| 10 11 13 33-0015 | EA | 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 4,857.25 | 117.56 |
| 10 11 13 33-0016 | EA | 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 5,537.49 | 126.38 |
| 10 11 13 33-0017 | EA | 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 5,777.07 | 126.38 |
| 10 11 13 33-0018 | EA | 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 6,775.09 | 132.45 |
| 10 11 13 33-0019 | EA | 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 7,574.80 | 132.45 |
| 10 11 13 33-0020 | | Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)* | | |
| 10 11 13 33-0021 | EA | 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 3,540.34 | 110.38 |
| 10 11 13 33-0022 | EA | 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 4,024.46 | 110.38 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 11 13 33-0023 | EA | 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 4,548.28 | 117.56 |
| 10 11 13 33-0024 | EA | 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 5,104.01 | 117.56 |
| 10 11 13 33-0025 | EA | 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 6,180.82 | 126.38 |
| 10 11 13 33-0026 | EA | 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 6,435.82 | 126.38 |
| 10 11 13 33-0027 | EA | 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 7,600.18 | 132.45 |
| 10 11 13 33-0028 | EA | 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard | 8,485.33 | 132.45 |
| 10 11 13 33-0029 | | Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) *(10 11 13 33)* | | |
| 10 11 13 33-0030 | | One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)* | | |
| 10 11 13 33-0031 | EA | 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 2,778.56 | 110.38 |
| 10 11 13 33-0032 | EA | 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 3,066.61 | 110.38 |
| 10 11 13 33-0033 | EA | 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 3,353.58 | 117.56 |
| 10 11 13 33-0034 | EA | 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 3,853.66 | 117.56 |
| 10 11 13 33-0035 | EA | 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 4,221.58 | 126.38 |
| 10 11 13 33-0036 | EA | 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 4,683.10 | 126.38 |
| 10 11 13 33-0037 | | Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)* | | |
| 10 11 13 33-0038 | EA | 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 4,076.15 | 110.38 |
| 10 11 13 33-0039 | EA | 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 4,523.35 | 110.38 |
| 10 11 13 33-0040 | EA | 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 4,971.68 | 117.56 |
| 10 11 13 33-0041 | EA | 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 5,794.48 | 117.56 |
| 10 11 13 33-0042 | EA | 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 6,306.67 | 126.38 |
| 10 11 13 33-0043 | EA | 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 7,053.46 | 126.38 |
| 10 11 13 33-0044 | | Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)* | | |
| 10 11 13 33-0045 | EA | 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 5,566.51 | 110.38 |
| 10 11 13 33-0046 | EA | 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 6,176.18 | 110.38 |
| 10 11 13 33-0047 | EA | 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 6,786.97 | 117.56 |
| 10 11 13 33-0048 | EA | 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 7,931.39 | 117.56 |
| 10 11 13 33-0049 | EA | 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 8,601.06 | 126.38 |
| 10 11 13 33-0050 | EA | 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard | 9,652.95 | 126.38 |
| 10 11 13 33-0051 | | Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) *(10 11 13 33)* Note: Excludes remotes. | | |
| 10 11 13 33-0052 | | One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)* | | |
| 10 11 13 33-0053 | EA | 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 8,928.61 | 220.76 |
| 10 11 13 33-0054 | EA | 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 9,183.74 | 220.76 |
| 10 11 13 33-0055 | EA | 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 9,468.08 | 227.66 |
| 10 11 13 33-0056 | EA | 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 9,935.37 | 227.66 |
| 10 11 13 33-0057 | EA | 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 10,451.72 | 234.55 |
| 10 11 13 33-0058 | EA | 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 10,902.49 | 234.55 |
| 10 11 13 33-0059 | EA | 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 11,883.18 | 248.35 |
| 10 11 13 33-0060 | EA | 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 12,007.88 | 248.35 |
| 10 11 13 33-0061 | | Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)* | | |
| 10 11 13 33-0062 | EA | 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 14,047.04 | 220.76 |
| 10 11 13 33-0063 | EA | 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 14,384.34 | 220.76 |
| 10 11 13 33-0064 | EA | 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 14,760.78 | 227.66 |
| 10 11 13 33-0065 | EA | 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 15,447.51 | 227.66 |
| 10 11 13 33-0066 | EA | 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 16,130.42 | 234.55 |
| 10 11 13 33-0067 | EA | 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 16,783.00 | 234.55 |
| 10 11 13 33-0068 | EA | 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 18,107.61 | 248.35 |
| 10 11 13 33-0069 | EA | 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 18,305.23 | 248.35 |
| 10 11 13 33-0070 | | Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)* | | |
| 10 11 13 33-0071 | EA | 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 18,250.04 | 220.76 |
| 10 11 13 33-0072 | EA | 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 19,101.35 | 220.76 |
| 10 11 13 33-0073 | EA | 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 19,552.25 | 227.66 |
| 10 11 13 33-0074 | EA | 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 20,445.20 | 227.66 |
| 10 11 13 33-0075 | EA | 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 21,383.90 | 234.55 |
| 10 11 13 33-0076 | EA | 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 22,286.76 | 234.55 |
| 10 11 13 33-0077 | EA | 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 24,067.65 | 248.35 |
| 10 11 13 33-0078 | EA | 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard | 24,415.31 | 248.35 |
| 10 11 13 33-0079 | | Sliding Chalkboard And Markerboard Accessories *(10 11 13 33)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 11 13 33-0080 | EA | One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard | 670.89 | |
| 10 11 13 33-0081 | EA | Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard | 1,145.68 | |

## 10 11 16 Markerboards *(10 11)*

### 10 11 16 13 Fixed Markerboards *(10 11 16)*

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

#### 10 11 16 13-0001 Porcelain Enamel Steel Markerboards *(10 11 16 13)*

#### 10 11 16 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.

| | | | | |
|---|---|---|---|---|
| 10 11 16 13-0003 | SF | Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard | 50.34 | 9.39 |
| 10 11 16 13-0004 | SF | >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard | 32.79 | 4.41 |
| 10 11 16 13-0005 | SF | >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard | 27.78 | 3.81 |
| 10 11 16 13-0006 | SF | >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard | 23.32 | 2.49 |
| 10 11 16 13-0007 | SF | >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard | 19.09 | 1.38 |

#### 10 11 16 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.

| | | | | |
|---|---|---|---|---|
| 10 11 16 13-0009 | SF | Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard | 53.11 | 9.39 |
| 10 11 16 13-0010 | SF | >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard | 33.62 | 4.41 |
| 10 11 16 13-0011 | SF | >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard | 29.02 | 3.81 |
| 10 11 16 13-0012 | SF | >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard | 24.88 | 2.49 |
| 10 11 16 13-0013 | SF | >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard | 21.65 | 1.38 |

#### 10 11 16 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.

| | | | | |
|---|---|---|---|---|
| 10 11 16 13-0015 | SF | Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard | 48.34 | 9.39 |
| 10 11 16 13-0016 | SF | >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard | 30.32 | 4.41 |
| 10 11 16 13-0017 | SF | >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard | 27.37 | 3.81 |
| 10 11 16 13-0018 | SF | >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard | 21.76 | 2.49 |
| 10 11 16 13-0019 | SF | >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard | 17.40 | 1.38 |

#### 10 11 16 13-0020 Melamine Markerboards *(10 11 16 13)*

#### 10 11 16 13-0021 1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*

Note: Includes full-length map rail, map hooks, marker tray and mounting hardware.

| | | | | |
|---|---|---|---|---|
| 10 11 16 13-0022 | SF | Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard | 39.87 | 9.39 |
| 10 11 16 13-0023 | SF | >6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard | 24.49 | 4.41 |
| 10 11 16 13-0024 | SF | >12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard | 21.24 | 3.81 |
| 10 11 16 13-0025 | SF | >16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard | 15.98 | 2.49 |
| 10 11 16 13-0026 | SF | >24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard | 12.99 | 1.38 |

#### 10 11 16 13-0027 1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*

Note: Includes marker tray and mounting hardware.

| | | | | |
|---|---|---|---|---|
| 10 11 16 13-0028 | SF | Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard | 38.93 | 9.39 |
| 10 11 16 13-0029 | SF | >6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard | 24.05 | 4.41 |
| 10 11 16 13-0030 | SF | >12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard | 20.62 | 3.81 |
| 10 11 16 13-0031 | SF | >16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard | 14.87 | 2.49 |
| 10 11 16 13-0032 | SF | >24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard | 11.99 | 1.38 |

#### 10 11 16 13-0033 Nonporous, Non-Staining Markerboards *(10 11 16 13)*

#### 10 11 16 13-0034 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*

Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.

| | | | | |
|---|---|---|---|---|
| 10 11 16 13-0035 | SF | Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard | 55.43 | 9.39 |
| | | *For Magnetic Surface, Add* | *3.67* | |
| 10 11 16 13-0036 | SF | >6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard | 36.73 | 4.41 |
| | | *For Magnetic Surface, Add* | *2.79* | |
| 10 11 16 13-0037 | SF | >12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard | 31.68 | 3.81 |
| | | *For Magnetic Surface, Add* | *2.41* | |
| 10 11 16 13-0038 | SF | >16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard | 28.08 | 2.49 |
| | | *For Magnetic Surface, Add* | *2.31* | |
| 10 11 16 13-0039 | SF | >24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard | 24.32 | 1.38 |
| | | *For Magnetic Surface, Add* | *2.16* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 11 16 13-0040 | | 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)* | | |
| | | Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware. | | |
| 10 11 16 13-0041 | SF | Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard | 55.43 | 9.39 |
| | | *For Magnetic Surface, Add* | *3.67* | |
| 10 11 16 13-0042 | SF | >6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard | 36.73 | 4.41 |
| | | *For Magnetic Surface, Add* | *2.79* | |
| 10 11 16 13-0043 | SF | >12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard | 31.68 | 3.81 |
| | | *For Magnetic Surface, Add* | *2.41* | |
| 10 11 16 13-0044 | SF | >16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard | 28.08 | 2.49 |
| | | *For Magnetic Surface, Add* | *2.31* | |
| 10 11 16 13-0045 | SF | >24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard | 24.32 | 1.38 |
| | | *For Magnetic Surface, Add* | *2.16* | |
| 10 11 16 13-0046 | | 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)* | | |
| | | Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware. | | |
| 10 11 16 13-0047 | SF | Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard | 100.88 | 9.39 |
| | | *For Magnetic Surface, Add* | *8.21* | |
| 10 11 16 13-0048 | SF | >6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard | 64.04 | 4.41 |
| | | *For Magnetic Surface, Add* | *5.52* | |
| 10 11 16 13-0049 | SF | >12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard | 54.10 | 3.81 |
| | | *For Magnetic Surface, Add* | *4.65* | |
| 10 11 16 13-0050 | SF | >16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard | 45.82 | 2.49 |
| | | *For Magnetic Surface, Add* | *4.09* | |
| 10 11 16 13-0051 | SF | >24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard | 35.65 | 1.38 |
| | | *For Magnetic Surface, Add* | *3.29* | |
| 10 11 16 13-0052 | | Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)* | | |
| | | Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface; 24-gauge treated steel interlayer and pressure-sensitive adhesive backing. | | |
| 10 11 16 13-0053 | SF | Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing | 24.95 | 3.81 |
| 10 11 16 13-0054 | SF | >16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing | 21.40 | 2.49 |
| 10 11 16 13-0055 | SF | >24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing | 18.08 | 1.38 |
| 10 11 16 13-0056 | | Removal And Reinstallation Of Markerboard *(10 11 16 13)* | | |
| | | Note: Includes storage and cleaning. | | |
| 10 11 16 13-0057 | EA | Up To 6 SF, Removal And Reinstallation Of Markerboard | 66.23 | |
| 10 11 16 13-0058 | EA | >6 To 12 SF, Removal And Reinstallation Of Markerboard | 77.27 | |
| 10 11 16 13-0059 | EA | >12 To 16 SF, Removal And Reinstallation Of Markerboard | 88.31 | |
| 10 11 16 13-0060 | EA | >16 To 24 SF, Removal And Reinstallation Of Markerboard | 99.34 | |
| 10 11 16 13-0061 | EA | >24 SF, Removal And Reinstallation Of Markerboard | 110.38 | |
| 10 11 16 13-0062 | | Field Applied Markerboard And Accessories *(10 11 16 13)* | | |
| 10 11 16 13-0063 | | Markerboard Face Sheets And Panels *(10 11 16 13-0062)* | | |
| 10 11 16 13-0064 | SF | Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) | 16.39 | 4.41 |
| | | Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape. | | |
| 10 11 16 13-0065 | SF | Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) | 19.30 | 4.41 |
| | | Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape. | | |
| 10 11 16 13-0066 | SF | Porcelain Enamel Steel Markerboard Panel (Claridge LCS) | 19.23 | 4.41 |
| | | Note: Includes porcelain enamel steel surface mounted on either 3/8" particleboard or 1/4" hardboard core with an aluminum moisture barrier back. | | |
| 10 11 16 13-0067 | SF | Melamine Markerboard Panel (Claridge 1032) | 11.12 | 4.41 |
| | | Note: Includes 1/4" thick melamine panel. | | |
| 10 11 16 13-0068 | | Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)* | | |
| | | See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim. | | |
| **10 11 16 33** | | **Rail-Mounted Markerboards** *(10 11 16)* | | |
| 10 11 16 33-0001 | | Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)* | | |
| 10 11 16 33-0002 | | Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)* | | |
| 10 11 16 33-0003 | EA | 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 2,296.16 | 110.38 |
| 10 11 16 33-0004 | EA | 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 2,572.65 | 110.38 |
| 10 11 16 33-0005 | EA | 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 2,909.77 | 117.56 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 11 16 33-0006 | EA | 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 3,232.54 | 117.56 |
| 10 11 16 33-0007 | EA | 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 4,033.43 | 126.38 |
| 10 11 16 33-0008 | EA | 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 4,289.00 | 126.38 |
| 10 11 16 33-0009 | EA | 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 4,837.61 | 132.45 |
| 10 11 16 33-0010 | EA | 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 5,476.53 | 132.45 |

### 10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

| | | | | |
|---|---|---|---|---|
| 10 11 16 33-0012 | EA | 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 3,148.79 | 110.38 |
| 10 11 16 33-0013 | EA | 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 3,731.53 | 110.38 |
| 10 11 16 33-0014 | EA | 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 4,266.93 | 117.56 |
| 10 11 16 33-0015 | EA | 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 4,801.20 | 117.56 |
| 10 11 16 33-0016 | EA | 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 5,472.10 | 126.38 |
| 10 11 16 33-0017 | EA | 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 5,702.34 | 126.38 |
| 10 11 16 33-0018 | EA | 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 6,681.67 | 132.45 |
| 10 11 16 33-0019 | EA | 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 7,462.70 | 132.45 |

### 10 11 16 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

| | | | | |
|---|---|---|---|---|
| 10 11 16 33-0021 | EA | 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 3,512.31 | 110.38 |
| 10 11 16 33-0022 | EA | 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 3,987.10 | 110.38 |
| 10 11 16 33-0023 | EA | 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 4,501.57 | 117.56 |
| 10 11 16 33-0024 | EA | 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 5,047.96 | 117.56 |
| 10 11 16 33-0025 | EA | 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 6,115.43 | 126.38 |
| 10 11 16 33-0026 | EA | 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 6,361.09 | 126.38 |
| 10 11 16 33-0027 | EA | 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 7,506.76 | 132.45 |
| 10 11 16 33-0028 | EA | 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard | 8,401.25 | 132.45 |

### 10 11 16 33-0029 Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) *(10 11 16 33)*

### 10 11 16 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*

| | | | | |
|---|---|---|---|---|
| 10 11 16 33-0031 | EA | 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard | 2,741.20 | 110.38 |
| 10 11 16 33-0032 | EA | 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard | 3,019.90 | 110.38 |
| 10 11 16 33-0033 | EA | 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard | 3,297.53 | 117.56 |
| 10 11 16 33-0034 | EA | 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard | 3,778.93 | 117.56 |
| 10 11 16 33-0035 | EA | 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard | 4,128.16 | 126.38 |
| 10 11 16 33-0036 | EA | 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard | 4,571.00 | 126.38 |

### 10 11 16 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*

| | | | | |
|---|---|---|---|---|
| 10 11 16 33-0038 | EA | 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard | 4,001.42 | 110.38 |
| 10 11 16 33-0039 | EA | 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard | 4,429.94 | 110.38 |
| 10 11 16 33-0040 | EA | 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard | 4,859.58 | 117.56 |
| 10 11 16 33-0041 | EA | 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard | 5,645.02 | 117.56 |
| 10 11 16 33-0042 | EA | 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard | 6,119.84 | 126.38 |
| 10 11 16 33-0043 | EA | 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard | 6,829.26 | 126.38 |

### 10 11 16 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*

| | | | | |
|---|---|---|---|---|
| 10 11 16 33-0045 | EA | 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard | 5,454.41 | 110.38 |
| 10 11 16 33-0046 | EA | 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard | 6,036.05 | 110.38 |
| 10 11 16 33-0047 | EA | 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard | 6,618.82 | 117.56 |
| 10 11 16 33-0048 | EA | 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard | 7,707.19 | 117.56 |
| 10 11 16 33-0049 | EA | 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard | 8,320.82 | 126.38 |
| 10 11 16 33-0050 | EA | 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard | 9,316.65 | 126.38 |

### 10 11 16 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) *(10 11 16 33)*

Note: Excludes remotes.

### 10 11 16 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*

| | | | | |
|---|---|---|---|---|
| 10 11 16 33-0053 | EA | 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 8,881.90 | 220.76 |
| 10 11 16 33-0054 | EA | 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 9,125.35 | 220.76 |
| 10 11 16 33-0055 | EA | 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 9,398.02 | 227.66 |
| 10 11 16 33-0056 | EA | 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 9,841.96 | 227.66 |
| 10 11 16 33-0057 | EA | 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 10,334.95 | 234.55 |
| 10 11 16 33-0058 | EA | 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 10,762.37 | 234.55 |
| 10 11 16 33-0059 | EA | 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 11,719.71 | 248.35 |
| 10 11 16 33-0060 | EA | 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 11,821.06 | 248.35 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 11 16 33-0061 | | Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)* | | |
| 10 11 16 33-0062 | EA | 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 13,953.62 | 220.76 |
| 10 11 16 33-0063 | EA | 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 14,267.58 | 220.76 |
| 10 11 16 33-0064 | EA | 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 14,620.66 | 227.66 |
| 10 11 16 33-0065 | EA | 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 15,260.68 | 227.66 |
| 10 11 16 33-0066 | EA | 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 15,896.88 | 234.55 |
| 10 11 16 33-0067 | EA | 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 16,502.75 | 234.55 |
| 10 11 16 33-0068 | EA | 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 17,780.66 | 248.35 |
| 10 11 16 33-0069 | EA | 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 17,931.57 | 248.35 |
| 10 11 16 33-0070 | | Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)* | | |
| 10 11 16 33-0071 | EA | 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 18,109.92 | 220.76 |
| 10 11 16 33-0072 | EA | 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 18,926.20 | 220.76 |
| 10 11 16 33-0073 | EA | 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 19,342.07 | 227.66 |
| 10 11 16 33-0074 | EA | 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 20,164.96 | 227.66 |
| 10 11 16 33-0075 | EA | 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 21,033.59 | 234.55 |
| 10 11 16 33-0076 | EA | 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 21,866.39 | 234.55 |
| 10 11 16 33-0077 | EA | 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 23,577.22 | 248.35 |
| 10 11 16 33-0078 | EA | 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard | 23,854.82 | 248.35 |
| 10 11 16 33-0079 | | Sliding Chalkboard And Markerboard Accessories *(10 11 16 33)*<br>See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories. | | |
| **10 11 23** | | **Tackboards** *(10 11)* | | |
| **10 11 23 13** | | **Fixed Tackboards** *(10 11 23)*<br>Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard. | | |
| 10 11 23 13-0001 | | Fixed Tackboards *(10 11 23 13)*<br>Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard. | | |
| 10 11 23 13-0002 | | Cork Surface, Fixed Tackboards *(10 11 23 13-0001)*<br>Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard. | | |
| 10 11 23 13-0003 | | 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0002)* | | |
| 10 11 23 13-0004 | SF | Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard | 33.54 | 9.39 |
| 10 11 23 13-0005 | SF | >6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard | 19.11 | 4.41 |
| 10 11 23 13-0006 | SF | >12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard | 16.56 | 3.81 |
| 10 11 23 13-0007 | SF | >16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard | 13.22 | 2.49 |
| 10 11 23 13-0008 | SF | >24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard | 10.82 | 1.38 |
| 10 11 23 13-0009 | | 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) *(10 11 23 13-0002)* | | |
| 10 11 23 13-0010 | SF | Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard | 35.28 | 9.39 |
| 10 11 23 13-0011 | SF | >6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard | 19.92 | 4.41 |
| 10 11 23 13-0012 | SF | >12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard | 16.15 | 3.81 |
| 10 11 23 13-0013 | SF | >16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard | 12.58 | 2.49 |
| 10 11 23 13-0014 | SF | >24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard | 9.81 | 1.38 |
| 10 11 23 13-0015 | | 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0002)* | | |
| 10 11 23 13-0016 | SF | Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard | 35.47 | 9.39 |
| 10 11 23 13-0017 | SF | >6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard | 21.62 | 4.41 |
| 10 11 23 13-0018 | SF | >12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard | 20.00 | 3.81 |
| 10 11 23 13-0019 | SF | >16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard | 15.38 | 2.49 |
| 10 11 23 13-0020 | SF | >24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard | 12.16 | 1.38 |
| 10 11 23 13-0021 | | Burlap Backed Cork Surface, Fixed Tackboards *(10 11 23 13-0001)*<br>Note: Includes burlap backed 1/4" self-healing cork surface, unmounted or mounted on hardboard. | | |
| 10 11 23 13-0022 | | 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0021)* | | |
| 10 11 23 13-0023 | SF | Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard | 38.59 | 9.39 |
| 10 11 23 13-0024 | SF | >6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard | 25.17 | 4.41 |
| 10 11 23 13-0025 | SF | >12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard | 22.96 | 3.81 |
| 10 11 23 13-0026 | SF | >16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard | 19.65 | 2.49 |
| 10 11 23 13-0027 | SF | >24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard | 17.36 | 1.38 |
| 10 11 23 13-0028 | | 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0021)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 11 23 13-0029 | SF | Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard | 42.81 | 9.39 |
| 10 11 23 13-0030 | SF | >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard | 29.68 | 4.41 |
| 10 11 23 13-0031 | SF | >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard | 27.51 | 3.81 |
| 10 11 23 13-0032 | SF | >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard | 22.95 | 2.49 |
| 10 11 23 13-0033 | SF | >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard | 19.77 | 1.38 |
| 10 11 23 13-0034 | | Polyester Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* | | |
| | | Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating. | | |
| 10 11 23 13-0035 | | 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0034)* | | |
| 10 11 23 13-0036 | SF | Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard | 34.73 | 9.39 |
| 10 11 23 13-0037 | SF | >6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard | 20.58 | 4.41 |
| 10 11 23 13-0038 | SF | >12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard | 18.21 | 3.81 |
| 10 11 23 13-0039 | SF | >16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard | 14.92 | 2.49 |
| 10 11 23 13-0040 | SF | >24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard | 12.33 | 1.38 |
| 10 11 23 13-0041 | | 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0034)* | | |
| 10 11 23 13-0042 | SF | Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard | 37.12 | 9.39 |
| 10 11 23 13-0043 | SF | >6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard | 23.68 | 4.41 |
| 10 11 23 13-0044 | SF | >12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard | 21.93 | 3.81 |
| 10 11 23 13-0045 | SF | >16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard | 17.49 | 2.49 |
| 10 11 23 13-0046 | SF | >24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard | 14.36 | 1.38 |
| 10 11 23 13-0047 | | Vinyl Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* | | |
| | | Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore. | | |
| 10 11 23 13-0048 | | 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0047)* | | |
| 10 11 23 13-0049 | SF | Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard | 33.54 | 9.39 |
| 10 11 23 13-0050 | SF | >6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard | 19.20 | 4.41 |
| 10 11 23 13-0051 | SF | >12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard | 16.70 | 3.81 |
| 10 11 23 13-0052 | SF | >16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard | 13.22 | 2.49 |
| 10 11 23 13-0053 | SF | >24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard | 10.61 | 1.38 |
| 10 11 23 13-0054 | | 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0047)* | | |
| 10 11 23 13-0055 | SF | Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard | 35.47 | 9.39 |
| 10 11 23 13-0056 | SF | >6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard | 22.47 | 4.41 |
| 10 11 23 13-0057 | SF | >12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard | 20.00 | 3.81 |
| 10 11 23 13-0058 | SF | >16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard | 15.38 | 2.49 |
| 10 11 23 13-0059 | SF | 4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard | 12.16 | 1.38 |
| **10 12** | | **Display Cases** *(10 10)* | | |
| 10 12 00 00-0001 | | Counter Display Cases *(10 12)* | | |
| 10 12 00 00-0002 | EA | 30" x 12" x 36" Counter Display Cases | 1,882.02 | 169.10 |
| 10 12 00 00-0003 | EA | 30" x 12" x 48" Counter Display Cases | 2,035.64 | 169.10 |
| 10 12 00 00-0004 | EA | 30" x 18" x 36" Counter Display Cases | 1,973.08 | 169.10 |
| 10 12 00 00-0005 | EA | 30" x 18" x 48" Counter Display Cases | 1,978.99 | 75.16 |
| 10 12 00 00-0006 | | Upright Display Case *(10 12)* | | |
| 10 12 00 00-0007 | EA | 72" High x 20" Deep x 70" Wide, Upright Display Case | 3,965.89 | 169.10 |
| 10 12 00 00-0008 | | Full Vision Display Case *(10 12)* | | |
| 10 12 00 00-0009 | EA | 38" x 20" x 70" Full Vision Display Case | 2,576.59 | 169.10 |
| **10 13** | | **Directories** *(10 10)* | | |
| **10 13 11** | | **Directory and Bulletin Boards** *(10 13)* | | |
| | | Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board. | | |
| 10 13 11 00-0001 | | Wall Mounted Directories *(10 13 11)* | | |
| | | Note: Includes changeable letters. | | |
| 10 13 11 00-0002 | | Open Face, Wall Mounted Directories *(10 13 11 00-0001)* | | |
| | | Note: Includes vinyl or felt back panel. | | |
| 10 13 11 00-0003 | | Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 11 00-0002)* | | |
| 10 13 11 00-0004 | SF | Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory | 55.85 | 9.39 |
| 10 13 11 00-0005 | SF | >6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory | 36.65 | 4.41 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 13 11 00-0006 | SF | >12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory | 33.31 | 3.81 |
| 10 13 11 00-0007 | SF | >16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory | 25.48 | 2.49 |
| 10 13 11 00-0008 | SF | >24 SF, Wood Frame, Open Face, Wall Mounted Directory | 20.39 | 1.38 |

## 10 13 11 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 11 00-0002)*

| | | | | |
|---|---|---|---|---|
| 10 13 11 00-0010 | SF | Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory | 56.40 | 9.39 |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| 10 13 11 00-0011 | SF | >6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory | 37.01 | 4.41 |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| 10 13 11 00-0012 | SF | >12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory | 34.05 | 3.81 |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| 10 13 11 00-0013 | SF | >16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory | 24.28 | 2.49 |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| 10 13 11 00-0014 | SF | >24 SF, Aluminum Frame, Open Face, Wall Mounted Directory | 20.94 | 1.38 |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |

## 10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

## 10 13 11 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*

## 10 13 11 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 11 00-0016)*

| | | | | |
|---|---|---|---|---|
| 10 13 11 00-0018 | SF | Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet | 138.65 | 9.39 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0019 | SF | >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet | 111.37 | 4.41 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0020 | SF | >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet | 93.26 | 3.81 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0021 | SF | >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet | 86.43 | 2.49 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0022 | SF | >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet | 78.22 | 1.38 |
| | | *For Fluorescent Lights, Add* | *15.00* | |

## 10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 11 00-0016)*

| | | | | |
|---|---|---|---|---|
| 10 13 11 00-0024 | SF | Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet | 119.19 | 9.39 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0025 | SF | >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet | 96.32 | 3.81 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0026 | SF | >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet | 69.08 | 2.49 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0027 | SF | >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet | 62.25 | 1.38 |
| | | *For Fluorescent Lights, Add* | *15.00* | |

## 10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*

## 10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

| | | | | |
|---|---|---|---|---|
| 10 13 11 00-0030 | SF | Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet | 124.06 | 9.39 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *21.06* | |
| 10 13 11 00-0031 | SF | >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet | 96.23 | 4.41 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *17.48* | |
| 10 13 11 00-0032 | SF | >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet | 81.43 | 3.81 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *14.76* | |
| 10 13 11 00-0033 | SF | >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet | 59.87 | 2.49 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *10.98* | |
| 10 13 11 00-0034 | SF | >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet | 55.92 | 1.38 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *10.63* | |

## 10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 13 11 00-0036 | SF | Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet | 191.44 | 9.39 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *34.54* | |
| 10 13 11 00-0037 | SF | >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet | 111.29 | 4.41 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *20.49* | |
| 10 13 11 00-0038 | SF | >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet | 93.75 | 3.81 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *17.23* | |
| 10 13 11 00-0039 | SF | >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet | 72.30 | 2.49 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *13.47* | |
| 10 13 11 00-0040 | SF | >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet | 66.94 | 1.38 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *12.84* | |

### 10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

### 10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0041)*

### 10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) *(10 13 11 00-0042)*

| | | | | |
|---|---|---|---|---|
| 10 13 11 00-0044 | SF | Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet | 188.04 | 9.39 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| 10 13 11 00-0045 | SF | >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet | 125.70 | 4.41 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| 10 13 11 00-0046 | SF | >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet | 122.18 | 3.81 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |

### 10 13 11 00-0047 Wall Mounted Bulletin Boards *(10 13 11)*

### 10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

### 10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

### 10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) *(10 13 11 00-0049)*

| | | | | |
|---|---|---|---|---|
| 10 13 11 00-0051 | SF | Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 135.34 | 9.39 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0052 | SF | >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 108.89 | 4.41 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0053 | SF | >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 90.78 | 3.81 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0054 | SF | >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 84.09 | 2.49 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0055 | SF | >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 77.12 | 1.38 |
| | | *For Fluorescent Lights, Add* | *15.00* | |

### 10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) *(10 13 11 00-0049)*

| | | | | |
|---|---|---|---|---|
| 10 13 11 00-0057 | SF | Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 113.31 | 9.39 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0058 | SF | >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 90.74 | 3.81 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0059 | SF | >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 64.77 | 2.49 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| 10 13 11 00-0060 | SF | >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 58.94 | 1.38 |
| | | *For Fluorescent Lights, Add* | *15.00* | |

### 10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

### 10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 13 11 00-0063 | SF | Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 127.08 | 9.39 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *21.66* | |
| 10 13 11 00-0064 | SF | >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 99.25 | 4.41 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *18.08* | |
| 10 13 11 00-0065 | SF | >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 84.45 | 3.81 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *15.37* | |
| 10 13 11 00-0066 | SF | >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 62.89 | 2.49 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *11.59* | |
| 10 13 11 00-0067 | SF | >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 58.94 | 1.38 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *11.24* | |

### 10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

| | | | | |
|---|---|---|---|---|
| 10 13 11 00-0069 | SF | Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 194.46 | 9.39 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *35.14* | |
| 10 13 11 00-0070 | SF | >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 114.31 | 4.41 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *21.10* | |
| 10 13 11 00-0071 | SF | >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 96.77 | 3.81 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *17.83* | |
| 10 13 11 00-0072 | SF | >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 75.32 | 2.49 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *14.07* | |
| 10 13 11 00-0073 | SF | >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet | 69.96 | 1.38 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| | | *For Header Panel, Add* | *13.44* | |

### 10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

### 10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0074)*

### 10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0075)*

| | | | | |
|---|---|---|---|---|
| 10 13 11 00-0077 | SF | Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet | 185.02 | 9.39 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| 10 13 11 00-0078 | SF | >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet | 122.69 | 4.41 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |
| 10 13 11 00-0079 | SF | >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet | 119.19 | 3.81 |
| | | *For Fluorescent Lights, Add* | *15.00* | |
| | | *For Bronze Anodize Finish, Add* | *12.00* | |

## 10 14 Signage *(10 10)*

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0001 for terminations.

### 10 14 16 Plaques *(10 14)*

Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.

### 10 14 16 00-0001 Metal Cased Plaque *(10 14 16)*

| | | | | |
|---|---|---|---|---|
| 10 14 16 00-0002 | SF | Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each | 541.13 | 27.58 |
| | | *For >5 To 10, Deduct* | *-58.42* | |
| | | *For >10 Each, Deduct* | *-101.50* | |
| 10 14 16 00-0003 | SF | Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each | 378.70 | 27.58 |
| | | *For >5 To 10, Deduct* | *-40.55* | |
| | | *For >10 Each, Deduct* | *-67.39* | |

### 10 14 16 00-0004 Metal Engraved Plaque, Etched *(10 14 16)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 16 00-0005 | SF | Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each | 415.24 | 27.58 |
| | | *For >5 To 10, Deduct* | *-44.57* | |
| | | *For >10 Each, Deduct* | *-75.06* | |
| 10 14 16 00-0006 | SF | Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each | 387.52 | 27.58 |
| | | *For >5 To 10, Deduct* | *-41.52* | |
| | | *For >10 Each, Deduct* | *-69.24* | |
| 10 14 16 00-0007 | SF | Brass Engraved Plaque Including Emblem Size 1-4 SF Each | 267.82 | 27.58 |
| | | *For >5 To 10, Deduct* | *-28.36* | |
| | | *For >10 Each, Deduct* | *-44.11* | |
| 10 14 16 00-0008 | SF | Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each | 259.01 | 27.58 |
| | | *For >5 To 10, Deduct* | *-27.39* | |
| | | *For >10 Each, Deduct* | *-42.26* | |

### 10 14 16 00-0009 Metal Built-Up Plaque *(10 14 16)*

| | | | | |
|---|---|---|---|---|
| 10 14 16 00-0010 | SF | Bronze Built-up Plaque | 414.49 | 34.20 |
| | | Note: Including Emblem Size 1-4 SF Each | | |
| | | *For >5 To 10, Deduct* | *-44.21* | |
| | | *For >10 Each, Deduct* | *-71.87* | |
| 10 14 16 00-0011 | SF | Copper And Bronze Built-up Plaque | 422.87 | 34.20 |
| | | Note: Including Emblem Size 1-4 SF Each | | |
| | | *For >5 To 10, Deduct* | *-45.14* | |
| | | *For >10 Each, Deduct* | *-73.63* | |
| 10 14 16 00-0012 | SF | Copper And Aluminum Built-up Plaque | 423.92 | 34.20 |
| | | Note: Including Emblem Size 1-4 SF Each | | |
| | | *For >5 To 10, Deduct* | *-45.25* | |
| | | *For >10 Each, Deduct* | *-73.85* | |
| 10 14 16 00-0013 | SF | Bronze Built-up Dedication Plaque | 480.20 | 68.96 |
| | | Note: Including Raised Bronze Lettering | | |
| | | *For >5 To 10, Deduct* | *-51.44* | |
| | | *For >10 Each, Deduct* | *-85.67* | |
| 10 14 16 00-0014 | SF | Bronze Built-up Plaque | 410.34 | 68.96 |
| | | Note: Including Raised Bronze Lettering | | |
| | | *For >5 To 10, Deduct* | *-43.76* | |
| | | *For >10 Each, Deduct* | *-71.00* | |

### 10 14 16 00-0015 Metal Nameplate Plaques *(10 14 16)*

| | | | | |
|---|---|---|---|---|
| 10 14 16 00-0016 | SF | Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each | 213.27 | 18.76 |
| | | *For >5 To 10, Deduct* | *-22.72* | |
| | | *For >10 Each, Deduct* | *-36.69* | |
| 10 14 16 00-0017 | SF | Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each | 294.07 | 18.76 |
| | | *For >5 To 10, Deduct* | *-31.61* | |
| | | *For >10 Each, Deduct* | *-53.66* | |
| 10 14 16 00-0018 | EA | 1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each | 157.39 | 18.76 |
| | | *For >5 To 10, Deduct* | *-16.58* | |
| | | *For >10 Each, Deduct* | *-24.96* | |
| 10 14 16 00-0019 | EA | 1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each | 149.18 | 18.76 |
| | | *For >5 To 10, Deduct* | *-15.67* | |
| | | *For >10 Each, Deduct* | *-23.23* | |
| 10 14 16 00-0020 | SF | Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9") | 400.36 | 68.96 |
| | | *For >5 To 10, Deduct* | *-42.66* | |
| | | *For >10 Each, Deduct* | *-68.91* | |

## 10 14 19 Dimensional Letter Signage *(10 14)*

Note: Mounted on masonry or concrete.

### 10 14 19 00-0001 Cast Characters *(10 14 19)*

Note: Any font.

### 10 14 19 00-0002 Satin Finish, Cast Aluminum Characters *(10 14 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0003 | EA | 2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 50.92 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-5.30* | |
| | | *For Clear Anodized, Add* | *2.33* | |
| | | *For Satin Face And Enameled Return, Add* | *7.00* | |
| | | *For Patina Finish, Add* | *9.34* | |
| | | *For Color Anodized, Add* | *11.67* | |
| 10 14 19 00-0004 | EA | 3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 60.31 | 7.45 |
| | | *For Installation With Adhesive, Deduct* | *-5.99* | |
| | | *For Clear Anodized, Add* | *3.05* | |
| | | *For Satin Face And Enameled Return, Add* | *9.16* | |
| | | *For Patina Finish, Add* | *12.21* | |
| | | *For Color Anodized, Add* | *15.26* | |
| 10 14 19 00-0005 | EA | 4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 66.11 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-6.51* | |
| | | *For Clear Anodized, Add* | *3.41* | |
| | | *For Satin Face And Enameled Return, Add* | *10.23* | |
| | | *For Patina Finish, Add* | *13.64* | |
| | | *For Color Anodized, Add* | *17.06* | |
| 10 14 19 00-0006 | EA | 5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 75.91 | 9.16 |
| | | *For Installation With Adhesive, Deduct* | *-7.44* | |
| | | *For Clear Anodized, Add* | *3.95* | |
| | | *For Satin Face And Enameled Return, Add* | *11.85* | |
| | | *For Patina Finish, Add* | *15.80* | |
| | | *For Color Anodized, Add* | *19.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0007 | EA | 6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 83.50 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-8.04* | |
| | | *For Clear Anodized, Add* | *4.49* | |
| | | *For Satin Face And Enameled Return, Add* | *13.47* | |
| | | *For Patina Finish, Add* | *17.96* | |
| | | *For Color Anodized, Add* | *22.45* | |
| 10 14 19 00-0008 | EA | 8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 99.79 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-9.40* | |
| | | *For Clear Anodized, Add* | *5.57* | |
| | | *For Satin Face And Enameled Return, Add* | *16.70* | |
| | | *For Patina Finish, Add* | *22.26* | |
| | | *For Color Anodized, Add* | *27.83* | |
| 10 14 19 00-0009 | EA | 9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 110.98 | 11.59 |
| | | *For Installation With Adhesive, Deduct* | *-10.18* | |
| | | *For Clear Anodized, Add* | *6.46* | |
| | | *For Satin Face And Enameled Return, Add* | *19.39* | |
| | | *For Patina Finish, Add* | *25.86* | |
| | | *For Color Anodized, Add* | *32.32* | |
| 10 14 19 00-0010 | EA | 10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 126.85 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-11.31* | |
| | | *For Clear Anodized, Add* | *7.72* | |
| | | *For Satin Face And Enameled Return, Add* | *23.16* | |
| | | *For Patina Finish, Add* | *30.88* | |
| | | *For Color Anodized, Add* | *38.61* | |
| 10 14 19 00-0011 | EA | 12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 154.34 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-13.46* | |
| | | *For Clear Anodized, Add* | *9.70* | |
| | | *For Satin Face And Enameled Return, Add* | *29.09* | |
| | | *For Patina Finish, Add* | *38.78* | |
| | | *For Color Anodized, Add* | *48.48* | |
| 10 14 19 00-0012 | EA | 14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 184.70 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-15.86* | |
| | | *For Clear Anodized, Add* | *11.85* | |
| | | *For Satin Face And Enameled Return, Add* | *35.55* | |
| | | *For Patina Finish, Add* | *47.40* | |
| | | *For Color Anodized, Add* | *59.25* | |
| 10 14 19 00-0013 | EA | 15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 202.87 | 18.39 |
| | | *For Installation With Adhesive, Deduct* | *-17.50* | |
| | | *For Clear Anodized, Add* | *12.93* | |
| | | *For Satin Face And Enameled Return, Add* | *38.78* | |
| | | *For Patina Finish, Add* | *51.71* | |
| | | *For Color Anodized, Add* | *64.64* | |
| 10 14 19 00-0014 | EA | 16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 226.67 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-19.28* | |
| | | *For Clear Anodized, Add* | *14.72* | |
| | | *For Satin Face And Enameled Return, Add* | *44.17* | |
| | | *For Patina Finish, Add* | *58.89* | |
| | | *For Color Anodized, Add* | *73.62* | |
| 10 14 19 00-0015 | EA | 18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 275.00 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-22.58* | |
| | | *For Clear Anodized, Add* | *18.67* | |
| | | *For Satin Face And Enameled Return, Add* | *56.02* | |
| | | *For Patina Finish, Add* | *74.69* | |
| | | *For Color Anodized, Add* | *93.37* | |
| 10 14 19 00-0016 | EA | 20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 332.72 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-26.57* | |
| | | *For Clear Anodized, Add* | *23.34* | |
| | | *For Satin Face And Enameled Return, Add* | *70.03* | |
| | | *For Patina Finish, Add* | *93.37* | |
| | | *For Color Anodized, Add* | *116.71* | |
| 10 14 19 00-0017 | EA | 24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs | 401.20 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-31.09* | |
| | | *For Clear Anodized, Add* | *29.09* | |
| | | *For Satin Face And Enameled Return, Add* | *87.26* | |
| | | *For Patina Finish, Add* | *116.35* | |
| | | *For Color Anodized, Add* | *145.44* | |

## 10 14 19 00-0018 Satin Finish, Cast Bronze Characters *(10 14 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0019 | EA | 2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 61.58 | 7.59 |
| | | *For Installation With Adhesive, Deduct* | *-6.11* | |
| | | *For Oxidized Finish, Add* | *4.69* | |
| | | *For Polished Or Patina Finish, Add* | *9.37* | |
| 10 14 19 00-0020 | EA | 3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 88.14 | 8.27 |
| | | *For Installation With Adhesive, Deduct* | *-7.72* | |
| | | *For Oxidized Finish, Add* | *8.26* | |
| | | *For Polished Or Patina Finish, Add* | *16.51* | |
| 10 14 19 00-0021 | EA | 4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 96.31 | 8.83 |
| | | *For Installation With Adhesive, Deduct* | *-8.35* | |
| | | *For Oxidized Finish, Add* | *9.15* | |
| | | *For Polished Or Patina Finish, Add* | *18.30* | |
| 10 14 19 00-0022 | EA | 5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 117.08 | 9.92 |
| | | *For Installation With Adhesive, Deduct* | *-9.83* | |
| | | *For Oxidized Finish, Add* | *11.60* | |
| | | *For Polished Or Patina Finish, Add* | *23.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0023 | EA | 6" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 130.25 | 10.59 |
| | | *For Installation With Adhesive, Deduct* | *-10.76* | |
| | | *For Oxidized Finish, Add* | *13.17* | |
| | | *For Polished Or Patina Finish, Add* | *26.33* | |
| 10 14 19 00-0024 | EA | 8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 173.52 | 12.14 |
| | | *For Installation With Adhesive, Deduct* | *-13.53* | |
| | | *For Oxidized Finish, Add* | *18.75* | |
| | | *For Polished Or Patina Finish, Add* | *37.49* | |
| 10 14 19 00-0025 | EA | 9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 198.03 | 12.69 |
| | | *For Installation With Adhesive, Deduct* | *-14.98* | |
| | | *For Oxidized Finish, Add* | *22.09* | |
| | | *For Polished Or Patina Finish, Add* | *44.18* | |
| 10 14 19 00-0026 | EA | 10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 221.79 | 13.79 |
| | | *For Installation With Adhesive, Deduct* | *-16.61* | |
| | | *For Oxidized Finish, Add* | *24.99* | |
| | | *For Polished Or Patina Finish, Add* | *49.99* | |
| 10 14 19 00-0027 | EA | 12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 263.34 | 15.99 |
| | | *For Installation With Adhesive, Deduct* | *-19.57* | |
| | | *For Oxidized Finish, Add* | *29.90* | |
| | | *For Polished Or Patina Finish, Add* | *59.81* | |
| 10 14 19 00-0028 | EA | 14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 309.36 | 18.21 |
| | | *For Installation With Adhesive, Deduct* | *-22.75* | |
| | | *For Oxidized Finish, Add* | *35.48* | |
| | | *For Polished Or Patina Finish, Add* | *70.96* | |
| 10 14 19 00-0029 | EA | 15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 366.47 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-27.15* | |
| | | *For Oxidized Finish, Add* | *41.73* | |
| | | *For Polished Or Patina Finish, Add* | *83.46* | |
| 10 14 19 00-0030 | EA | 16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 380.52 | 23.73 |
| | | *For Installation With Adhesive, Deduct* | *-28.51* | |
| | | *For Oxidized Finish, Add* | *42.85* | |
| | | *For Polished Or Patina Finish, Add* | *85.69* | |
| 10 14 19 00-0031 | EA | 18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 540.27 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-38.05* | |
| | | *For Oxidized Finish, Add* | *64.49* | |
| | | *For Polished Or Patina Finish, Add* | *128.98* | |
| 10 14 19 00-0032 | EA | 20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 650.76 | 31.03 |
| | | *For Installation With Adhesive, Deduct* | *-44.95* | |
| | | *For Oxidized Finish, Add* | *79.00* | |
| | | *For Polished Or Patina Finish, Add* | *157.99* | |
| 10 14 19 00-0033 | EA | 24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs | 827.77 | 35.85 |
| | | *For Installation With Adhesive, Deduct* | *-55.73* | |
| | | *For Oxidized Finish, Add* | *102.65* | |
| | | *For Polished Or Patina Finish, Add* | *205.30* | |

10 14 19 00-0034 Molded Characters *(10 14 19)*
Note: Any font.

10 14 19 00-0035 Molded Plastic Characters *(10 14 19 00-0034)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0036 | EA | 4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 38.23 | 5.52 |
| | | *For Installation With Adhesive, Deduct* | *-4.12* | |
| 10 14 19 00-0037 | EA | 5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 41.43 | 6.07 |
| | | *For Installation With Adhesive, Deduct* | *-4.50* | |
| 10 14 19 00-0038 | EA | 6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 45.74 | 6.62 |
| | | *For Installation With Adhesive, Deduct* | *-4.94* | |
| 10 14 19 00-0039 | EA | 8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 58.28 | 7.17 |
| | | *For Installation With Adhesive, Deduct* | *-5.78* | |
| 10 14 19 00-0040 | EA | 9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 62.97 | 7.72 |
| | | *For Installation With Adhesive, Deduct* | *-6.24* | |
| 10 14 19 00-0041 | EA | 10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 68.18 | 8.27 |
| | | *For Installation With Adhesive, Deduct* | *-6.72* | |
| 10 14 19 00-0042 | EA | 12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 79.46 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-7.83* | |
| 10 14 19 00-0043 | EA | 15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 104.58 | 12.14 |
| | | *For Installation With Adhesive, Deduct* | *-10.08* | |
| 10 14 19 00-0044 | EA | 18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 132.91 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-12.38* | |
| 10 14 19 00-0045 | EA | 24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 195.95 | 17.66 |
| | | *For Installation With Adhesive, Deduct* | *-16.86* | |
| 10 14 19 00-0046 | EA | 30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 289.71 | 20.69 |
| | | *For Installation With Adhesive, Deduct* | *-22.76* | |
| 10 14 19 00-0047 | EA | 36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 379.53 | 23.73 |
| | | *For Installation With Adhesive, Deduct* | *-28.46* | |
| 10 14 19 00-0048 | EA | 48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs | 706.97 | 31.72 |
| | | *For Installation With Adhesive, Deduct* | *-48.04* | |

10 14 19 00-0049 Cutout Characters *(10 14 19)*
Note: Any font.

10 14 19 00-0050 Satin Finish, Aluminum Characters *(10 14 19 00-0049)*

10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0052 | EA | 2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 47.33 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-5.12* | |
| | | *For Clear Anodized, Add* | *1.98* | |
| | | *For Satin Face And Enameled Return, Add* | *6.91* | |
| | | *For Color Anodized, Add* | *9.88* | |
| | | *For Polished Or Patina Finish, Add* | *9.88* | |
| | | *For Polished Anodized Finish, Add* | *14.81* | |
| 10 14 19 00-0053 | EA | 4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 66.11 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-6.51* | |
| | | *For Clear Anodized, Add* | *3.41* | |
| | | *For Satin Face And Enameled Return, Add* | *11.94* | |
| | | *For Color Anodized, Add* | *17.06* | |
| | | *For Polished Or Patina Finish, Add* | *17.06* | |
| | | *For Polished Anodized Finish, Add* | *25.58* | |
| 10 14 19 00-0054 | EA | 6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 88.88 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-8.31* | |
| | | *For Clear Anodized, Add* | *5.03* | |
| | | *For Satin Face And Enameled Return, Add* | *17.59* | |
| | | *For Color Anodized, Add* | *25.14* | |
| | | *For Polished Or Patina Finish, Add* | *25.14* | |
| | | *For Polished Anodized Finish, Add* | *37.70* | |
| 10 14 19 00-0055 | EA | 8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 108.77 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-9.85* | |
| | | *For Clear Anodized, Add* | *6.46* | |
| | | *For Satin Face And Enameled Return, Add* | *22.62* | |
| | | *For Color Anodized, Add* | *32.32* | |
| | | *For Polished Or Patina Finish, Add* | *32.32* | |
| | | *For Polished Anodized Finish, Add* | *48.48* | |
| 10 14 19 00-0056 | EA | 10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 125.05 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-11.22* | |
| | | *For Clear Anodized, Add* | *7.54* | |
| | | *For Satin Face And Enameled Return, Add* | *26.39* | |
| | | *For Color Anodized, Add* | *37.71* | |
| | | *For Polished Or Patina Finish, Add* | *37.71* | |
| | | *For Polished Anodized Finish, Add* | *56.56* | |
| 10 14 19 00-0057 | EA | 12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 143.56 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-12.92* | |
| | | *For Clear Anodized, Add* | *8.62* | |
| | | *For Satin Face And Enameled Return, Add* | *30.16* | |
| | | *For Color Anodized, Add* | *43.09* | |
| | | *For Polished Or Patina Finish, Add* | *43.09* | |
| | | *For Polished Anodized Finish, Add* | *64.64* | |
| 10 14 19 00-0058 | EA | 14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 168.54 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-15.05* | |
| | | *For Clear Anodized, Add* | *10.23* | |
| | | *For Satin Face And Enameled Return, Add* | *35.82* | |
| | | *For Color Anodized, Add* | *51.17* | |
| | | *For Polished Or Patina Finish, Add* | *51.17* | |
| | | *For Polished Anodized Finish, Add* | *76.76* | |
| 10 14 19 00-0059 | EA | 16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 199.74 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-17.93* | |
| | | *For Clear Anodized, Add* | *12.03* | |
| | | *For Satin Face And Enameled Return, Add* | *42.11* | |
| | | *For Color Anodized, Add* | *60.15* | |
| | | *For Polished Or Patina Finish, Add* | *60.15* | |
| | | *For Polished Anodized Finish, Add* | *90.23* | |
| 10 14 19 00-0060 | EA | 18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 224.73 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-20.06* | |
| | | *For Clear Anodized, Add* | *13.65* | |
| | | *For Satin Face And Enameled Return, Add* | *47.76* | |
| | | *For Color Anodized, Add* | *68.23* | |
| | | *For Polished Or Patina Finish, Add* | *68.23* | |
| | | *For Polished Anodized Finish, Add* | *102.35* | |
| 10 14 19 00-0061 | EA | 20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 269.87 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-23.42* | |
| | | *For Clear Anodized, Add* | *17.06* | |
| | | *For Satin Face And Enameled Return, Add* | *59.70* | |
| | | *For Color Anodized, Add* | *85.29* | |
| | | *For Polished Or Patina Finish, Add* | *85.29* | |
| | | *For Polished Anodized Finish, Add* | *127.93* | |
| 10 14 19 00-0062 | EA | 22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 309.51 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-25.96* | |
| | | *For Clear Anodized, Add* | *20.47* | |
| | | *For Satin Face And Enameled Return, Add* | *71.64* | |
| | | *For Color Anodized, Add* | *102.35* | |
| | | *For Polished Or Patina Finish, Add* | *102.35* | |
| | | *For Polished Anodized Finish, Add* | *153.52* | |
| 10 14 19 00-0063 | EA | 24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 383.25 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-30.20* | |
| | | *For Clear Anodized, Add* | *27.29* | |
| | | *For Satin Face And Enameled Return, Add* | *95.52* | |
| | | *For Color Anodized, Add* | *136.46* | |
| | | *For Polished Or Patina Finish, Add* | *136.46* | |
| | | *For Polished Anodized Finish, Add* | *204.69* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0064 | EA | 30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 548.36 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-40.66* | |
| | | *For Clear Anodized, Add* | *41.60* | |
| | | *For Satin Face And Enameled Return, Add* | *145.59* | |
| | | *For Color Anodized, Add* | *207.98* | |
| | | *For Polished Or Patina Finish, Add* | *207.98* | |
| | | *For Polished Anodized Finish, Add* | *311.97* | |

## 10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0066 | EA | 2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 59.97 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-5.76* | |
| | | *For Clear Anodized, Add* | *3.24* | |
| | | *For Satin Face And Enameled Return, Add* | *11.34* | |
| | | *For Color Anodized, Add* | *16.20* | |
| | | *For Polished Or Patina Finish, Add* | *16.20* | |
| | | *For Polished Anodized Finish, Add* | *24.29* | |
| 10 14 19 00-0067 | EA | 4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 85.90 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-7.50* | |
| | | *For Clear Anodized, Add* | *5.39* | |
| | | *For Satin Face And Enameled Return, Add* | *18.87* | |
| | | *For Color Anodized, Add* | *26.95* | |
| | | *For Polished Or Patina Finish, Add* | *26.95* | |
| | | *For Polished Anodized Finish, Add* | *40.43* | |
| 10 14 19 00-0068 | EA | 6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 108.49 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-9.29* | |
| | | *For Clear Anodized, Add* | *6.99* | |
| | | *For Satin Face And Enameled Return, Add* | *24.46* | |
| | | *For Color Anodized, Add* | *34.94* | |
| | | *For Polished Or Patina Finish, Add* | *34.94* | |
| | | *For Polished Anodized Finish, Add* | *52.41* | |
| 10 14 19 00-0069 | EA | 8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 135.92 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-11.21* | |
| | | *For Clear Anodized, Add* | *9.18* | |
| | | *For Satin Face And Enameled Return, Add* | *32.13* | |
| | | *For Color Anodized, Add* | *45.90* | |
| | | *For Polished Or Patina Finish, Add* | *45.90* | |
| | | *For Polished Anodized Finish, Add* | *68.84* | |
| 10 14 19 00-0070 | EA | 10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 157.48 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-12.84* | |
| | | *For Clear Anodized, Add* | *10.78* | |
| | | *For Satin Face And Enameled Return, Add* | *37.74* | |
| | | *For Color Anodized, Add* | *53.92* | |
| | | *For Polished Or Patina Finish, Add* | *53.92* | |
| | | *For Polished Anodized Finish, Add* | *80.88* | |
| 10 14 19 00-0071 | EA | 12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 184.93 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-14.98* | |
| | | *For Clear Anodized, Add* | *12.76* | |
| | | *For Satin Face And Enameled Return, Add* | *44.64* | |
| | | *For Color Anodized, Add* | *63.78* | |
| | | *For Polished Or Patina Finish, Add* | *63.78* | |
| | | *For Polished Anodized Finish, Add* | *95.66* | |
| 10 14 19 00-0072 | EA | 14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 216.64 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-17.45* | |
| | | *For Clear Anodized, Add* | *15.04* | |
| | | *For Satin Face And Enameled Return, Add* | *52.65* | |
| | | *For Color Anodized, Add* | *75.22* | |
| | | *For Polished Or Patina Finish, Add* | *75.22* | |
| | | *For Polished Anodized Finish, Add* | *112.83* | |
| 10 14 19 00-0073 | EA | 16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 268.31 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-21.36* | |
| | | *For Clear Anodized, Add* | *18.89* | |
| | | *For Satin Face And Enameled Return, Add* | *66.10* | |
| | | *For Color Anodized, Add* | *94.44* | |
| | | *For Polished Or Patina Finish, Add* | *94.44* | |
| | | *For Polished Anodized Finish, Add* | *141.65* | |
| 10 14 19 00-0074 | EA | 18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 310.70 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-24.36* | |
| | | *For Clear Anodized, Add* | *22.24* | |
| | | *For Satin Face And Enameled Return, Add* | *77.85* | |
| | | *For Color Anodized, Add* | *111.22* | |
| | | *For Polished Or Patina Finish, Add* | *111.22* | |
| | | *For Polished Anodized Finish, Add* | *166.82* | |
| 10 14 19 00-0075 | EA | 20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 360.28 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-27.94* | |
| | | *For Clear Anodized, Add* | *26.10* | |
| | | *For Satin Face And Enameled Return, Add* | *91.34* | |
| | | *For Color Anodized, Add* | *130.49* | |
| | | *For Polished Or Patina Finish, Add* | *130.49* | |
| | | *For Polished Anodized Finish, Add* | *195.74* | |
| 10 14 19 00-0076 | EA | 22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 403.66 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-30.67* | |
| | | *For Clear Anodized, Add* | *29.88* | |
| | | *For Satin Face And Enameled Return, Add* | *104.59* | |
| | | *For Color Anodized, Add* | *149.42* | |
| | | *For Polished Or Patina Finish, Add* | *149.42* | |
| | | *For Polished Anodized Finish, Add* | *224.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0077 | EA | 24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 448.75 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-33.47* | |
| | | *For Clear Anodized, Add* | *33.84* | |
| | | *For Satin Face And Enameled Return, Add* | *118.45* | |
| | | *For Color Anodized, Add* | *169.21* | |
| | | *For Polished Or Patina Finish, Add* | *169.21* | |
| | | *For Polished Anodized Finish, Add* | *253.82* | |
| 10 14 19 00-0078 | EA | 30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 617.18 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-44.10* | |
| | | *For Clear Anodized, Add* | *48.48* | |
| | | *For Satin Face And Enameled Return, Add* | *169.67* | |
| | | *For Color Anodized, Add* | *242.39* | |
| | | *For Polished Or Patina Finish, Add* | *242.39* | |
| | | *For Polished Anodized Finish, Add* | *363.59* | |

## 10 14 19 00-0079 1/2" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0080 | EA | 2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 74.59 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-6.49* | |
| | | *For Clear Anodized, Add* | *4.70* | |
| | | *For Satin Face And Enameled Return, Add* | *16.45* | |
| | | *For Color Anodized, Add* | *23.51* | |
| | | *For Polished Or Patina Finish, Add* | *23.51* | |
| | | *For Polished Anodized Finish, Add* | *35.26* | |
| 10 14 19 00-0081 | EA | 4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 96.48 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-8.02* | |
| | | *For Clear Anodized, Add* | *6.45* | |
| | | *For Satin Face And Enameled Return, Add* | *22.57* | |
| | | *For Color Anodized, Add* | *32.24* | |
| | | *For Polished Or Patina Finish, Add* | *32.24* | |
| | | *For Polished Anodized Finish, Add* | *48.36* | |
| 10 14 19 00-0082 | EA | 6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 121.06 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-9.91* | |
| | | *For Clear Anodized, Add* | *8.25* | |
| | | *For Satin Face And Enameled Return, Add* | *28.86* | |
| | | *For Color Anodized, Add* | *41.23* | |
| | | *For Polished Or Patina Finish, Add* | *41.23* | |
| | | *For Polished Anodized Finish, Add* | *61.84* | |
| 10 14 19 00-0083 | EA | 8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 143.03 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-11.56* | |
| | | *For Clear Anodized, Add* | *9.89* | |
| | | *For Satin Face And Enameled Return, Add* | *34.62* | |
| | | *For Color Anodized, Add* | *49.45* | |
| | | *For Polished Or Patina Finish, Add* | *49.45* | |
| | | *For Polished Anodized Finish, Add* | *74.18* | |
| 10 14 19 00-0084 | EA | 10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 166.53 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-13.29* | |
| | | *For Clear Anodized, Add* | *11.69* | |
| | | *For Satin Face And Enameled Return, Add* | *40.91* | |
| | | *For Color Anodized, Add* | *58.45* | |
| | | *For Polished Or Patina Finish, Add* | *58.45* | |
| | | *For Polished Anodized Finish, Add* | *87.67* | |
| 10 14 19 00-0085 | EA | 12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 204.75 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-15.98* | |
| | | *For Clear Anodized, Add* | *14.74* | |
| | | *For Satin Face And Enameled Return, Add* | *51.58* | |
| | | *For Color Anodized, Add* | *73.69* | |
| | | *For Polished Or Patina Finish, Add* | *73.69* | |
| | | *For Polished Anodized Finish, Add* | *110.53* | |
| 10 14 19 00-0086 | EA | 14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 252.47 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-19.24* | |
| | | *For Clear Anodized, Add* | *18.63* | |
| | | *For Satin Face And Enameled Return, Add* | *65.19* | |
| | | *For Color Anodized, Add* | *93.14* | |
| | | *For Polished Or Patina Finish, Add* | *93.14* | |
| | | *For Polished Anodized Finish, Add* | *139.70* | |
| 10 14 19 00-0087 | EA | 16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 305.60 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-23.22* | |
| | | *For Clear Anodized, Add* | *22.62* | |
| | | *For Satin Face And Enameled Return, Add* | *79.16* | |
| | | *For Color Anodized, Add* | *113.08* | |
| | | *For Polished Or Patina Finish, Add* | *113.08* | |
| | | *For Polished Anodized Finish, Add* | *169.62* | |
| 10 14 19 00-0088 | EA | 18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 370.74 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-27.36* | |
| | | *For Clear Anodized, Add* | *28.25* | |
| | | *For Satin Face And Enameled Return, Add* | *98.86* | |
| | | *For Color Anodized, Add* | *141.24* | |
| | | *For Polished Or Patina Finish, Add* | *141.24* | |
| | | *For Polished Anodized Finish, Add* | *211.85* | |
| 10 14 19 00-0089 | EA | 20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 437.03 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-31.78* | |
| | | *For Clear Anodized, Add* | *33.77* | |
| | | *For Satin Face And Enameled Return, Add* | *118.21* | |
| | | *For Color Anodized, Add* | *168.87* | |
| | | *For Polished Or Patina Finish, Add* | *168.87* | |
| | | *For Polished Anodized Finish, Add* | *253.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0090 | EA | 22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 501.91 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-35.58* | |
| | | *For Clear Anodized, Add* | *39.71* | |
| | | *For Satin Face And Enameled Return, Add* | *138.98* | |
| | | *For Color Anodized, Add* | *198.55* | |
| | | *For Polished Or Patina Finish, Add* | *198.55* | |
| | | *For Polished Anodized Finish, Add* | *297.82* | |
| 10 14 19 00-0091 | EA | 24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 563.37 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-39.20* | |
| | | *For Clear Anodized, Add* | *45.30* | |
| | | *For Satin Face And Enameled Return, Add* | *158.56* | |
| | | *For Color Anodized, Add* | *226.52* | |
| | | *For Polished Or Patina Finish, Add* | *226.52* | |
| | | *For Polished Anodized Finish, Add* | *339.78* | |
| 10 14 19 00-0092 | EA | 30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 782.01 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-52.34* | |
| | | *For Clear Anodized, Add* | *64.96* | |
| | | *For Satin Face And Enameled Return, Add* | *227.36* | |
| | | *For Color Anodized, Add* | *324.81* | |
| | | *For Polished Or Patina Finish, Add* | *324.81* | |
| | | *For Polished Anodized Finish, Add* | *487.21* | |

## 10 14 19 00-0093 3/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0094 | EA | 2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 77.94 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-6.66* | |
| | | *For Clear Anodized, Add* | *5.04* | |
| | | *For Satin Face And Enameled Return, Add* | *17.63* | |
| | | *For Color Anodized, Add* | *25.18* | |
| | | *For Polished Or Patina Finish, Add* | *25.18* | |
| | | *For Polished Anodized Finish, Add* | *37.77* | |
| 10 14 19 00-0095 | EA | 4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 100.23 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-8.21* | |
| | | *For Clear Anodized, Add* | *6.82* | |
| | | *For Satin Face And Enameled Return, Add* | *23.88* | |
| | | *For Color Anodized, Add* | *34.12* | |
| | | *For Polished Or Patina Finish, Add* | *34.12* | |
| | | *For Polished Anodized Finish, Add* | *51.17* | |
| 10 14 19 00-0096 | EA | 6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 132.12 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-10.47* | |
| | | *For Clear Anodized, Add* | *9.35* | |
| | | *For Satin Face And Enameled Return, Add* | *32.73* | |
| | | *For Color Anodized, Add* | *46.76* | |
| | | *For Polished Or Patina Finish, Add* | *46.76* | |
| | | *For Polished Anodized Finish, Add* | *70.13* | |
| 10 14 19 00-0097 | EA | 8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 175.35 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-13.18* | |
| | | *For Clear Anodized, Add* | *13.12* | |
| | | *For Satin Face And Enameled Return, Add* | *45.93* | |
| | | *For Color Anodized, Add* | *65.61* | |
| | | *For Polished Or Patina Finish, Add* | *65.61* | |
| | | *For Polished Anodized Finish, Add* | *98.42* | |
| 10 14 19 00-0098 | EA | 10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 220.07 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-15.97* | |
| | | *For Clear Anodized, Add* | *17.04* | |
| | | *For Satin Face And Enameled Return, Add* | *59.65* | |
| | | *For Color Anodized, Add* | *85.22* | |
| | | *For Polished Or Patina Finish, Add* | *85.22* | |
| | | *For Polished Anodized Finish, Add* | *127.82* | |
| 10 14 19 00-0099 | EA | 12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 276.29 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-19.55* | |
| | | *For Clear Anodized, Add* | *21.89* | |
| | | *For Satin Face And Enameled Return, Add* | *76.62* | |
| | | *For Color Anodized, Add* | *109.46* | |
| | | *For Polished Or Patina Finish, Add* | *109.46* | |
| | | *For Polished Anodized Finish, Add* | *164.18* | |
| 10 14 19 00-0100 | EA | 14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 344.57 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-23.85* | |
| | | *For Clear Anodized, Add* | *27.84* | |
| | | *For Satin Face And Enameled Return, Add* | *97.43* | |
| | | *For Color Anodized, Add* | *139.19* | |
| | | *For Polished Or Patina Finish, Add* | *139.19* | |
| | | *For Polished Anodized Finish, Add* | *208.78* | |
| 10 14 19 00-0101 | EA | 16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 425.90 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-29.24* | |
| | | *For Clear Anodized, Add* | *34.65* | |
| | | *For Satin Face And Enameled Return, Add* | *121.26* | |
| | | *For Color Anodized, Add* | *173.23* | |
| | | *For Polished Or Patina Finish, Add* | *173.23* | |
| | | *For Polished Anodized Finish, Add* | *259.85* | |
| 10 14 19 00-0102 | EA | 18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 520.84 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-34.87* | |
| | | *For Clear Anodized, Add* | *43.26* | |
| | | *For Satin Face And Enameled Return, Add* | *151.40* | |
| | | *For Color Anodized, Add* | *216.29* | |
| | | *For Polished Or Patina Finish, Add* | *216.29* | |
| | | *For Polished Anodized Finish, Add* | *324.43* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0103 | EA | 20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 619.55 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-40.91* | |
| | | *For Clear Anodized, Add* | *52.03* | |
| | | *For Satin Face And Enameled Return, Add* | *182.09* | |
| | | *For Color Anodized, Add* | *260.13* | |
| | | *For Polished Or Patina Finish, Add* | *260.13* | |
| | | *For Polished Anodized Finish, Add* | *390.19* | |
| 10 14 19 00-0104 | EA | 22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 718.88 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-46.43* | |
| | | *For Clear Anodized, Add* | *61.41* | |
| | | *For Satin Face And Enameled Return, Add* | *214.92* | |
| | | *For Color Anodized, Add* | *307.03* | |
| | | *For Polished Or Patina Finish, Add* | *307.03* | |
| | | *For Polished Anodized Finish, Add* | *460.55* | |
| 10 14 19 00-0105 | EA | 24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 822.64 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-52.17* | |
| | | *For Clear Anodized, Add* | *71.23* | |
| | | *For Satin Face And Enameled Return, Add* | *249.31* | |
| | | *For Color Anodized, Add* | *356.16* | |
| | | *For Polished Or Patina Finish, Add* | *356.16* | |
| | | *For Polished Anodized Finish, Add* | *534.23* | |
| 10 14 19 00-0106 | EA | 30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 1,131.06 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-69.79* | |
| | | *For Clear Anodized, Add* | *99.87* | |
| | | *For Satin Face And Enameled Return, Add* | *349.53* | |
| | | *For Color Anodized, Add* | *499.33* | |
| | | *For Polished Or Patina Finish, Add* | *499.33* | |
| | | *For Polished Anodized Finish, Add* | *749.00* | |

## 10 14 19 00-0107 1" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0108 | EA | 2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 86.83 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-7.10* | |
| | | *For Clear Anodized, Add* | *5.93* | |
| | | *For Satin Face And Enameled Return, Add* | *20.74* | |
| | | *For Color Anodized, Add* | *29.63* | |
| | | *For Polished Or Patina Finish, Add* | *29.63* | |
| | | *For Polished Anodized Finish, Add* | *44.44* | |
| 10 14 19 00-0109 | EA | 4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 107.39 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-8.57* | |
| | | *For Clear Anodized, Add* | *7.54* | |
| | | *For Satin Face And Enameled Return, Add* | *26.39* | |
| | | *For Color Anodized, Add* | *37.70* | |
| | | *For Polished Or Patina Finish, Add* | *37.70* | |
| | | *For Polished Anodized Finish, Add* | *56.54* | |
| 10 14 19 00-0110 | EA | 6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 141.17 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-10.92* | |
| | | *For Clear Anodized, Add* | *10.26* | |
| | | *For Satin Face And Enameled Return, Add* | *35.90* | |
| | | *For Color Anodized, Add* | *51.28* | |
| | | *For Polished Or Patina Finish, Add* | *51.28* | |
| | | *For Polished Anodized Finish, Add* | *76.92* | |
| 10 14 19 00-0111 | EA | 8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 193.44 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-14.09* | |
| | | *For Clear Anodized, Add* | *14.93* | |
| | | *For Satin Face And Enameled Return, Add* | *52.26* | |
| | | *For Color Anodized, Add* | *74.66* | |
| | | *For Polished Or Patina Finish, Add* | *74.66* | |
| | | *For Polished Anodized Finish, Add* | *111.98* | |
| 10 14 19 00-0112 | EA | 10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 263.05 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-18.12* | |
| | | *For Clear Anodized, Add* | *21.34* | |
| | | *For Satin Face And Enameled Return, Add* | *74.69* | |
| | | *For Color Anodized, Add* | *106.71* | |
| | | *For Polished Or Patina Finish, Add* | *106.71* | |
| | | *For Polished Anodized Finish, Add* | *160.06* | |
| 10 14 19 00-0113 | EA | 12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 344.37 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-22.96* | |
| | | *For Clear Anodized, Add* | *28.70* | |
| | | *For Satin Face And Enameled Return, Add* | *100.45* | |
| | | *For Color Anodized, Add* | *143.50* | |
| | | *For Polished Or Patina Finish, Add* | *143.50* | |
| | | *For Polished Anodized Finish, Add* | *215.24* | |
| 10 14 19 00-0114 | EA | 14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 435.66 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-28.40* | |
| | | *For Clear Anodized, Add* | *36.95* | |
| | | *For Satin Face And Enameled Return, Add* | *129.31* | |
| | | *For Color Anodized, Add* | *184.73* | |
| | | *For Polished Or Patina Finish, Add* | *184.73* | |
| | | *For Polished Anodized Finish, Add* | *277.10* | |
| 10 14 19 00-0115 | EA | 16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 541.39 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-35.01* | |
| | | *For Clear Anodized, Add* | *46.20* | |
| | | *For Satin Face And Enameled Return, Add* | *161.68* | |
| | | *For Color Anodized, Add* | *230.98* | |
| | | *For Polished Or Patina Finish, Add* | *230.98* | |
| | | *For Polished Anodized Finish, Add* | *346.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0116 | EA | 18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 655.94 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-41.62* | |
| | | *For Clear Anodized, Add* | *56.77* | |
| | | *For Satin Face And Enameled Return, Add* | *198.68* | |
| | | *For Color Anodized, Add* | *283.84* | |
| | | *For Polished Or Patina Finish, Add* | *283.84* | |
| | | *For Polished Anodized Finish, Add* | *425.75* | |
| 10 14 19 00-0117 | EA | 20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 807.18 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-50.29* | |
| | | *For Clear Anodized, Add* | *70.79* | |
| | | *For Satin Face And Enameled Return, Add* | *247.76* | |
| | | *For Color Anodized, Add* | *353.94* | |
| | | *For Polished Or Patina Finish, Add* | *353.94* | |
| | | *For Polished Anodized Finish, Add* | *530.91* | |
| 10 14 19 00-0118 | EA | 22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 962.46 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-58.61* | |
| | | *For Clear Anodized, Add* | *85.76* | |
| | | *For Satin Face And Enameled Return, Add* | *300.17* | |
| | | *For Color Anodized, Add* | *428.82* | |
| | | *For Polished Or Patina Finish, Add* | *428.82* | |
| | | *For Polished Anodized Finish, Add* | *643.23* | |
| 10 14 19 00-0119 | EA | 24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 1,136.49 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-67.86* | |
| | | *For Clear Anodized, Add* | *102.62* | |
| | | *For Satin Face And Enameled Return, Add* | *359.16* | |
| | | *For Color Anodized, Add* | *513.08* | |
| | | *For Polished Or Patina Finish, Add* | *513.08* | |
| | | *For Polished Anodized Finish, Add* | *769.62* | |
| 10 14 19 00-0120 | EA | 30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs | 1,606.15 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-93.55* | |
| | | *For Clear Anodized, Add* | *147.38* | |
| | | *For Satin Face And Enameled Return, Add* | *515.81* | |
| | | *For Color Anodized, Add* | *736.88* | |
| | | *For Polished Or Patina Finish, Add* | *736.88* | |
| | | *For Polished Anodized Finish, Add* | *1,105.31* | |

10 14 19 00-0121 Satin Finish, Brass Characters *(10 14 19 00-0049)*

10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0123 | EA | 2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 64.03 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-5.96* | |
| | | *For Oxidized Finish, Add* | *5.47* | |
| | | *For Polished Finish, Add* | *10.94* | |
| 10 14 19 00-0124 | EA | 4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 82.73 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-7.34* | |
| | | *For Oxidized Finish, Add* | *7.61* | |
| | | *For Polished Finish, Add* | *15.22* | |
| 10 14 19 00-0125 | EA | 6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 114.12 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-9.57* | |
| | | *For Oxidized Finish, Add* | *11.33* | |
| | | *For Polished Finish, Add* | *22.65* | |
| 10 14 19 00-0126 | EA | 8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 149.59 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-11.89* | |
| | | *For Oxidized Finish, Add* | *15.82* | |
| | | *For Polished Finish, Add* | *31.64* | |
| 10 14 19 00-0127 | EA | 10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 191.55 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-14.54* | |
| | | *For Oxidized Finish, Add* | *21.29* | |
| | | *For Polished Finish, Add* | *42.57* | |
| 10 14 19 00-0128 | EA | 12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 242.26 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-17.85* | |
| | | *For Oxidized Finish, Add* | *27.73* | |
| | | *For Polished Finish, Add* | *55.46* | |
| 10 14 19 00-0129 | EA | 14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 303.15 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-21.78* | |
| | | *For Oxidized Finish, Add* | *35.54* | |
| | | *For Polished Finish, Add* | *71.09* | |
| 10 14 19 00-0130 | EA | 16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 369.77 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-26.43* | |
| | | *For Oxidized Finish, Add* | *43.55* | |
| | | *For Polished Finish, Add* | *87.10* | |
| 10 14 19 00-0131 | EA | 18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 449.09 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-31.28* | |
| | | *For Oxidized Finish, Add* | *54.12* | |
| | | *For Polished Finish, Add* | *108.25* | |
| 10 14 19 00-0132 | EA | 20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 534.15 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-36.64* | |
| | | *For Oxidized Finish, Add* | *65.23* | |
| | | *For Polished Finish, Add* | *130.46* | |
| 10 14 19 00-0133 | EA | 22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 656.84 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-43.32* | |
| | | *For Oxidized Finish, Add* | *82.80* | |
| | | *For Polished Finish, Add* | *165.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0134 | EA | 24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 720.38 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-47.05* | |
| | | *For Oxidized Finish, Add* | *91.51* | |
| | | *For Polished Finish, Add* | *183.02* | |
| 10 14 19 00-0135 | EA | 30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 1,083.62 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-67.42* | |
| | | *For Oxidized Finish, Add* | *142.68* | |
| | | *For Polished Finish, Add* | *285.37* | |

## 10 14 19 00-0136 3/8" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0137 | EA | 2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 76.79 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-6.60* | |
| | | *For Oxidized Finish, Add* | *7.38* | |
| | | *For Polished Finish, Add* | *14.76* | |
| 10 14 19 00-0138 | EA | 4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 100.48 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-8.22* | |
| | | *For Oxidized Finish, Add* | *10.27* | |
| | | *For Polished Finish, Add* | *20.54* | |
| 10 14 19 00-0139 | EA | 6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 144.33 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-11.08* | |
| | | *For Oxidized Finish, Add* | *15.86* | |
| | | *For Polished Finish, Add* | *31.72* | |
| 10 14 19 00-0140 | EA | 8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 191.77 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-14.00* | |
| | | *For Oxidized Finish, Add* | *22.15* | |
| | | *For Polished Finish, Add* | *44.29* | |
| 10 14 19 00-0141 | EA | 10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 255.41 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-17.73* | |
| | | *For Oxidized Finish, Add* | *30.87* | |
| | | *For Polished Finish, Add* | *61.73* | |
| 10 14 19 00-0142 | EA | 12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 325.45 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-22.01* | |
| | | *For Oxidized Finish, Add* | *40.21* | |
| | | *For Polished Finish, Add* | *80.42* | |
| 10 14 19 00-0143 | EA | 14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 409.78 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-27.11* | |
| | | *For Oxidized Finish, Add* | *51.54* | |
| | | *For Polished Finish, Add* | *103.07* | |
| 10 14 19 00-0144 | EA | 16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 485.91 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-32.24* | |
| | | *For Oxidized Finish, Add* | *60.97* | |
| | | *For Polished Finish, Add* | *121.94* | |
| 10 14 19 00-0145 | EA | 18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 611.46 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-39.40* | |
| | | *For Oxidized Finish, Add* | *78.48* | |
| | | *For Polished Finish, Add* | *156.96* | |
| 10 14 19 00-0146 | EA | 20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 708.09 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-45.33* | |
| | | *For Oxidized Finish, Add* | *91.32* | |
| | | *For Polished Finish, Add* | *182.64* | |
| 10 14 19 00-0147 | EA | 22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 872.13 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-54.09* | |
| | | *For Oxidized Finish, Add* | *115.10* | |
| | | *For Polished Finish, Add* | *230.19* | |
| 10 14 19 00-0148 | EA | 24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 994.91 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-60.78* | |
| | | *For Oxidized Finish, Add* | *132.69* | |
| | | *For Polished Finish, Add* | *265.37* | |
| 10 14 19 00-0149 | EA | 30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 1,378.50 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-82.17* | |
| | | *For Oxidized Finish, Add* | *186.92* | |
| | | *For Polished Finish, Add* | *373.83* | |

## 10 14 19 00-0150 1/2" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0151 | EA | 2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 96.84 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-7.60* | |
| | | *For Oxidized Finish, Add* | *10.39* | |
| | | *For Polished Finish, Add* | *20.78* | |
| 10 14 19 00-0152 | EA | 4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 125.84 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-9.49* | |
| | | *For Oxidized Finish, Add* | *14.08* | |
| | | *For Polished Finish, Add* | *28.15* | |
| 10 14 19 00-0153 | EA | 6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 182.08 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-12.97* | |
| | | *For Oxidized Finish, Add* | *21.52* | |
| | | *For Polished Finish, Add* | *43.04* | |
| 10 14 19 00-0154 | EA | 8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 249.77 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-16.90* | |
| | | *For Oxidized Finish, Add* | *30.85* | |
| | | *For Polished Finish, Add* | *61.69* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0155 | EA | 10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 347.65 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-22.35* | |
| | | *For Oxidized Finish, Add* | *44.70* | |
| | | *For Polished Finish, Add* | *89.40* | |
| 10 14 19 00-0156 | EA | 12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 464.11 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-28.94* | |
| | | *For Oxidized Finish, Add* | *61.01* | |
| | | *For Polished Finish, Add* | *122.02* | |
| 10 14 19 00-0157 | EA | 14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 575.65 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-35.40* | |
| | | *For Oxidized Finish, Add* | *76.42* | |
| | | *For Polished Finish, Add* | *152.84* | |
| 10 14 19 00-0158 | EA | 16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 686.24 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-42.26* | |
| | | *For Oxidized Finish, Add* | *91.02* | |
| | | *For Polished Finish, Add* | *182.04* | |
| 10 14 19 00-0159 | EA | 18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 936.21 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-55.64* | |
| | | *For Oxidized Finish, Add* | *127.19* | |
| | | *For Polished Finish, Add* | *254.38* | |
| 10 14 19 00-0160 | EA | 20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 1,055.97 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-62.73* | |
| | | *For Oxidized Finish, Add* | *143.50* | |
| | | *For Polished Finish, Add* | *287.00* | |
| 10 14 19 00-0161 | EA | 22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 1,319.27 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-76.45* | |
| | | *For Oxidized Finish, Add* | *182.17* | |
| | | *For Polished Finish, Add* | *364.34* | |
| 10 14 19 00-0162 | EA | 24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 1,543.95 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-88.23* | |
| | | *For Oxidized Finish, Add* | *215.04* | |
| | | *For Polished Finish, Add* | *430.09* | |
| 10 14 19 00-0163 | EA | 30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 2,329.73 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-129.73* | |
| | | *For Oxidized Finish, Add* | *329.60* | |
| | | *For Polished Finish, Add* | *659.20* | |
| **10 14 19 00-0164** | | **3/4" Deep, Satin Finish, Brass Characters** *(10 14 19 00-0121)* | | |
| 10 14 19 00-0165 | EA | 2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 118.72 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-8.69* | |
| | | *For Oxidized Finish, Add* | *13.67* | |
| | | *For Polished Finish, Add* | *27.34* | |
| 10 14 19 00-0166 | EA | 4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 166.42 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-11.52* | |
| | | *For Oxidized Finish, Add* | *20.16* | |
| | | *For Polished Finish, Add* | *40.33* | |
| 10 14 19 00-0167 | EA | 6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 227.39 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-15.23* | |
| | | *For Oxidized Finish, Add* | *28.32* | |
| | | *For Polished Finish, Add* | *56.63* | |
| 10 14 19 00-0168 | EA | 8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 307.77 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-19.80* | |
| | | *For Oxidized Finish, Add* | *39.55* | |
| | | *For Polished Finish, Add* | *79.09* | |
| 10 14 19 00-0169 | EA | 10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 418.61 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-25.89* | |
| | | *For Oxidized Finish, Add* | *55.35* | |
| | | *For Polished Finish, Add* | *110.69* | |
| 10 14 19 00-0170 | EA | 12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 575.03 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-34.49* | |
| | | *For Oxidized Finish, Add* | *77.65* | |
| | | *For Polished Finish, Add* | *155.30* | |
| 10 14 19 00-0171 | EA | 14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 717.82 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-42.51* | |
| | | *For Oxidized Finish, Add* | *97.74* | |
| | | *For Polished Finish, Add* | *195.49* | |
| 10 14 19 00-0172 | EA | 16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 837.21 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-49.80* | |
| | | *For Oxidized Finish, Add* | *113.67* | |
| | | *For Polished Finish, Add* | *227.33* | |
| 10 14 19 00-0173 | EA | 18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 1,116.62 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-64.66* | |
| | | *For Oxidized Finish, Add* | *154.25* | |
| | | *For Polished Finish, Add* | *308.51* | |
| 10 14 19 00-0174 | EA | 20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 1,221.21 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-70.99* | |
| | | *For Oxidized Finish, Add* | *168.29* | |
| | | *For Polished Finish, Add* | *336.57* | |
| 10 14 19 00-0175 | EA | 22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 1,551.12 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-88.04* | |
| | | *For Oxidized Finish, Add* | *216.95* | |
| | | *For Polished Finish, Add* | *433.89* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0176 | EA | 24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 1,970.99 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-109.58* | |
| | | *For Oxidized Finish, Add* | *279.10* | |
| | | *For Polished Finish, Add* | *558.20* | |
| 10 14 19 00-0177 | EA | 30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs | 2,976.56 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-162.07* | |
| | | *For Oxidized Finish, Add* | *426.62* | |
| | | *For Polished Finish, Add* | *853.25* | |

## 10 14 19 00-0178 Satin Finish, Bronze Characters *(10 14 19 00-0049)*

## 10 14 19 00-0179 1/4" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0180 | EA | 2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 68.08 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-6.16* | |
| | | *For Oxidized Finish, Add* | *6.08* | |
| | | *For Polished Or Patina Finish, Add* | *12.15* | |
| 10 14 19 00-0181 | EA | 4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 88.41 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-7.62* | |
| | | *For Oxidized Finish, Add* | *8.46* | |
| | | *For Polished Or Patina Finish, Add* | *16.92* | |
| 10 14 19 00-0182 | EA | 6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 122.50 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-9.99* | |
| | | *For Oxidized Finish, Add* | *12.58* | |
| | | *For Polished Or Patina Finish, Add* | *25.17* | |
| 10 14 19 00-0183 | EA | 8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 161.29 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-12.48* | |
| | | *For Oxidized Finish, Add* | *17.57* | |
| | | *For Polished Or Patina Finish, Add* | *35.15* | |
| 10 14 19 00-0184 | EA | 10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 207.29 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-15.33* | |
| | | *For Oxidized Finish, Add* | *23.65* | |
| | | *For Polished Or Patina Finish, Add* | *47.30* | |
| 10 14 19 00-0185 | EA | 12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 262.76 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-18.88* | |
| | | *For Oxidized Finish, Add* | *30.81* | |
| | | *For Polished Or Patina Finish, Add* | *61.61* | |
| 10 14 19 00-0186 | EA | 14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 329.44 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-23.09* | |
| | | *For Oxidized Finish, Add* | *39.49* | |
| | | *For Polished Or Patina Finish, Add* | *78.97* | |
| 10 14 19 00-0187 | EA | 16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 409.21 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-28.40* | |
| | | *For Oxidized Finish, Add* | *49.47* | |
| | | *For Polished Or Patina Finish, Add* | *98.93* | |
| 10 14 19 00-0188 | EA | 18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 490.36 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-33.35* | |
| | | *For Oxidized Finish, Add* | *60.31* | |
| | | *For Polished Or Patina Finish, Add* | *120.63* | |
| 10 14 19 00-0189 | EA | 20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 582.39 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-39.05* | |
| | | *For Oxidized Finish, Add* | *72.46* | |
| | | *For Polished Or Patina Finish, Add* | *144.93* | |
| 10 14 19 00-0190 | EA | 22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 680.48 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-44.51* | |
| | | *For Oxidized Finish, Add* | *86.35* | |
| | | *For Polished Or Patina Finish, Add* | *172.70* | |
| 10 14 19 00-0191 | EA | 24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 788.68 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-50.47* | |
| | | *For Oxidized Finish, Add* | *101.75* | |
| | | *For Polished Or Patina Finish, Add* | *203.51* | |
| 10 14 19 00-0192 | EA | 30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 1,199.82 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-73.23* | |
| | | *For Oxidized Finish, Add* | *160.11* | |
| | | *For Polished Or Patina Finish, Add* | *320.23* | |

## 10 14 19 00-0193 3/8" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0194 | EA | 2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 81.04 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-6.81* | |
| | | *For Oxidized Finish, Add* | *8.02* | |
| | | *For Polished Or Patina Finish, Add* | *16.04* | |
| 10 14 19 00-0195 | EA | 4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 105.90 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-8.50* | |
| | | *For Oxidized Finish, Add* | *11.09* | |
| | | *For Polished Or Patina Finish, Add* | *22.17* | |
| 10 14 19 00-0196 | EA | 6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 154.38 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-11.58* | |
| | | *For Oxidized Finish, Add* | *17.37* | |
| | | *For Polished Or Patina Finish, Add* | *34.73* | |
| 10 14 19 00-0197 | EA | 8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 204.63 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-14.64* | |
| | | *For Oxidized Finish, Add* | *24.08* | |
| | | *For Polished Or Patina Finish, Add* | *48.15* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0198 | EA | 10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 278.24 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-18.88* | |
| | | *For Oxidized Finish, Add* | *34.29* | |
| | | *For Polished Or Patina Finish, Add* | *68.58* | |
| 10 14 19 00-0199 | EA | 12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 353.13 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-23.39* | |
| | | *For Oxidized Finish, Add* | *44.36* | |
| | | *For Polished Or Patina Finish, Add* | *88.73* | |
| 10 14 19 00-0200 | EA | 14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 442.63 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-28.75* | |
| | | *For Oxidized Finish, Add* | *56.46* | |
| | | *For Polished Or Patina Finish, Add* | *112.93* | |
| 10 14 19 00-0201 | EA | 16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 547.72 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-35.33* | |
| | | *For Oxidized Finish, Add* | *70.24* | |
| | | *For Polished Or Patina Finish, Add* | *140.48* | |
| 10 14 19 00-0202 | EA | 18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 663.26 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-41.99* | |
| | | *For Oxidized Finish, Add* | *86.25* | |
| | | *For Polished Or Patina Finish, Add* | *172.50* | |
| 10 14 19 00-0203 | EA | 20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 790.12 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-49.44* | |
| | | *For Oxidized Finish, Add* | *103.62* | |
| | | *For Polished Or Patina Finish, Add* | *207.25* | |
| 10 14 19 00-0204 | EA | 22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 928.01 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-56.88* | |
| | | *For Oxidized Finish, Add* | *123.48* | |
| | | *For Polished Or Patina Finish, Add* | *246.96* | |
| 10 14 19 00-0205 | EA | 24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 1,053.23 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-63.69* | |
| | | *For Oxidized Finish, Add* | *141.44* | |
| | | *For Polished Or Patina Finish, Add* | *282.87* | |
| 10 14 19 00-0206 | EA | 30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 1,445.33 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-85.51* | |
| | | *For Oxidized Finish, Add* | *196.94* | |
| | | *For Polished Or Patina Finish, Add* | *393.88* | |

## 10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0208 | EA | 2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 83.87 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-6.95* | |
| | | *For Oxidized Finish, Add* | *8.44* | |
| | | *For Polished Or Patina Finish, Add* | *16.89* | |
| 10 14 19 00-0209 | EA | 4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 126.20 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-9.51* | |
| | | *For Oxidized Finish, Add* | *14.13* | |
| | | *For Polished Or Patina Finish, Add* | *28.26* | |
| 10 14 19 00-0210 | EA | 6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 180.38 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-12.88* | |
| | | *For Oxidized Finish, Add* | *21.27* | |
| | | *For Polished Or Patina Finish, Add* | *42.53* | |
| 10 14 19 00-0211 | EA | 8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 249.15 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-16.87* | |
| | | *For Oxidized Finish, Add* | *30.75* | |
| | | *For Polished Or Patina Finish, Add* | *61.51* | |
| 10 14 19 00-0212 | EA | 10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 341.30 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-22.03* | |
| | | *For Oxidized Finish, Add* | *43.75* | |
| | | *For Polished Or Patina Finish, Add* | *87.50* | |
| 10 14 19 00-0213 | EA | 12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 466.10 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-29.04* | |
| | | *For Oxidized Finish, Add* | *61.31* | |
| | | *For Polished Or Patina Finish, Add* | *122.62* | |
| 10 14 19 00-0214 | EA | 14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 605.84 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-36.91* | |
| | | *For Oxidized Finish, Add* | *80.95* | |
| | | *For Polished Or Patina Finish, Add* | *161.89* | |
| 10 14 19 00-0215 | EA | 16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 758.77 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-45.88* | |
| | | *For Oxidized Finish, Add* | *101.90* | |
| | | *For Polished Or Patina Finish, Add* | *203.80* | |
| 10 14 19 00-0216 | EA | 18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 932.66 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-55.46* | |
| | | *For Oxidized Finish, Add* | *126.66* | |
| | | *For Polished Or Patina Finish, Add* | *253.32* | |
| 10 14 19 00-0217 | EA | 20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 1,118.61 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-65.86* | |
| | | *For Oxidized Finish, Add* | *152.90* | |
| | | *For Polished Or Patina Finish, Add* | *305.79* | |
| 10 14 19 00-0218 | EA | 22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 1,325.21 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-76.74* | |
| | | *For Oxidized Finish, Add* | *183.06* | |
| | | *For Polished Or Patina Finish, Add* | *366.12* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0219 | EA | 24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 1,541.64 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-88.12* | |
| | | *For Oxidized Finish, Add* | *214.70* | |
| | | *For Polished Or Patina Finish, Add* | *429.39* | |
| 10 14 19 00-0220 | EA | 30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs | 2,160.50 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-121.27* | |
| | | *For Oxidized Finish, Add* | *304.22* | |
| | | *For Polished Or Patina Finish, Add* | *608.43* | |
| 10 14 19 00-0221 | | Satin Finish, Copper Characters *(10 14 19 00-0049)* | | |
| 10 14 19 00-0222 | | 1/4" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)* | | |
| 10 14 19 00-0223 | EA | 2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 64.03 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-5.96* | |
| | | *For Polished Finish, Add* | *10.94* | |
| 10 14 19 00-0224 | EA | 4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 84.08 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-7.40* | |
| | | *For Polished Finish, Add* | *15.62* | |
| 10 14 19 00-0225 | EA | 6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 119.33 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-9.83* | |
| | | *For Polished Finish, Add* | *24.22* | |
| 10 14 19 00-0226 | EA | 8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 158.70 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-12.35* | |
| | | *For Polished Finish, Add* | *34.37* | |
| 10 14 19 00-0227 | EA | 10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 201.97 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-15.06* | |
| | | *For Polished Finish, Add* | *45.70* | |
| 10 14 19 00-0228 | EA | 12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 257.88 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-18.63* | |
| | | *For Polished Finish, Add* | *60.15* | |
| 10 14 19 00-0229 | EA | 14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 323.98 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-22.82* | |
| | | *For Polished Finish, Add* | *77.33* | |
| 10 14 19 00-0230 | EA | 16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 399.72 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-27.93* | |
| | | *For Polished Finish, Add* | *96.08* | |
| 10 14 19 00-0231 | EA | 18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 480.15 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-32.83* | |
| | | *For Polished Finish, Add* | *117.56* | |
| 10 14 19 00-0232 | EA | 20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 569.30 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-38.40* | |
| | | *For Polished Finish, Add* | *141.00* | |
| 10 14 19 00-0233 | EA | 22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 665.97 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-43.78* | |
| | | *For Polished Finish, Add* | *168.35* | |
| 10 14 19 00-0234 | EA | 24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 770.41 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-49.55* | |
| | | *For Polished Finish, Add* | *198.02* | |
| 10 14 19 00-0235 | EA | 30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 1,109.48 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-68.71* | |
| | | *For Polished Finish, Add* | *293.12* | |
| 10 14 19 00-0236 | | 3/8" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)* | | |
| 10 14 19 00-0237 | EA | 2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 73.15 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-6.42* | |
| | | *For Polished Finish, Add* | *13.67* | |
| 10 14 19 00-0238 | EA | 4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 99.70 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-8.19* | |
| | | *For Polished Finish, Add* | *20.31* | |
| 10 14 19 00-0239 | EA | 6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 147.58 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-11.24* | |
| | | *For Polished Finish, Add* | *32.69* | |
| 10 14 19 00-0240 | EA | 8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 204.53 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-14.64* | |
| | | *For Polished Finish, Add* | *48.12* | |
| 10 14 19 00-0241 | EA | 10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 278.13 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-18.87* | |
| | | *For Polished Finish, Add* | *68.55* | |
| 10 14 19 00-0242 | EA | 12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 348.10 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-23.14* | |
| | | *For Polished Finish, Add* | *87.22* | |
| 10 14 19 00-0243 | EA | 14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 439.99 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-28.62* | |
| | | *For Polished Finish, Add* | *112.14* | |
| 10 14 19 00-0244 | EA | 16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 543.84 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-35.14* | |
| | | *For Polished Finish, Add* | *139.32* | |
| 10 14 19 00-0245 | EA | 18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 656.50 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-41.65* | |
| | | *For Polished Finish, Add* | *170.47* | |
| 10 14 19 00-0246 | EA | 20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 780.80 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-48.97* | |
| | | *For Polished Finish, Add* | *204.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0247 | EA | 22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 918.49 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-56.41* | |
| | | *For Polished Finish, Add* | *244.10* | |
| 10 14 19 00-0248 | EA | 24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 1,034.45 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-62.76* | |
| | | *For Polished Finish, Add* | *277.24* | |
| 10 14 19 00-0249 | EA | 30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs | 1,451.45 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-85.81* | |
| | | *For Polished Finish, Add* | *395.72* | |

## 10 14 19 00-0250 Satin Finish, Stainless Steel Characters *(10 14 19 00-0049)*

## 10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0252 | EA | 2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 61.14 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-5.82* | |
| | | *For Polished Finish, Add* | *10.07* | |
| 10 14 19 00-0253 | EA | 4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 80.66 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-7.23* | |
| | | *For Polished Finish, Add* | *14.60* | |
| 10 14 19 00-0254 | EA | 6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 104.04 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-9.06* | |
| | | *For Polished Finish, Add* | *19.63* | |
| 10 14 19 00-0255 | EA | 8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 134.73 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-11.15* | |
| | | *For Polished Finish, Add* | *27.18* | |
| 10 14 19 00-0256 | EA | 10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 165.41 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-13.23* | |
| | | *For Polished Finish, Add* | *34.73* | |
| 10 14 19 00-0257 | EA | 12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 203.35 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-15.91* | |
| | | *For Polished Finish, Add* | *43.79* | |
| 10 14 19 00-0258 | EA | 14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 244.05 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-18.82* | |
| | | *For Polished Finish, Add* | *53.36* | |
| 10 14 19 00-0259 | EA | 16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 292.52 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-22.57* | |
| | | *For Polished Finish, Add* | *63.92* | |
| 10 14 19 00-0260 | EA | 18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 341.62 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-25.91* | |
| | | *For Polished Finish, Add* | *76.01* | |
| 10 14 19 00-0261 | EA | 20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 399.63 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-29.91* | |
| | | *For Polished Finish, Add* | *90.10* | |
| 10 14 19 00-0262 | EA | 22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 465.55 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-33.76* | |
| | | *For Polished Finish, Add* | *108.22* | |
| 10 14 19 00-0263 | EA | 24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 533.14 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-37.69* | |
| | | *For Polished Finish, Add* | *126.84* | |
| 10 14 19 00-0264 | EA | 30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 733.05 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-49.89* | |
| | | *For Polished Finish, Add* | *180.20* | |

## 10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0266 | EA | 2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 72.88 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-6.40* | |
| | | *For Polished Finish, Add* | *13.59* | |
| 10 14 19 00-0267 | EA | 4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 97.69 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-8.08* | |
| | | *For Polished Finish, Add* | *19.71* | |
| 10 14 19 00-0268 | EA | 6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 125.64 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-10.14* | |
| | | *For Polished Finish, Add* | *26.11* | |
| 10 14 19 00-0269 | EA | 8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 161.01 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-12.46* | |
| | | *For Polished Finish, Add* | *35.06* | |
| 10 14 19 00-0270 | EA | 10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 198.98 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-14.91* | |
| | | *For Polished Finish, Add* | *44.80* | |
| 10 14 19 00-0271 | EA | 12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 245.68 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-18.02* | |
| | | *For Polished Finish, Add* | *56.49* | |
| 10 14 19 00-0272 | EA | 14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 295.62 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-21.40* | |
| | | *For Polished Finish, Add* | *68.83* | |
| 10 14 19 00-0273 | EA | 16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 354.31 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-25.66* | |
| | | *For Polished Finish, Add* | *82.46* | |
| 10 14 19 00-0274 | EA | 18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 412.56 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-29.46* | |
| | | *For Polished Finish, Add* | *97.29* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 19 00-0275 | EA | 20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 483.72 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-34.12* | |
| | | *For Polished Finish, Add* | *115.33* | |
| 10 14 19 00-0276 | EA | 22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 544.91 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-37.73* | |
| | | *For Polished Finish, Add* | *132.03* | |
| 10 14 19 00-0277 | EA | 24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 626.15 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-42.34* | |
| | | *For Polished Finish, Add* | *154.75* | |
| 10 14 19 00-0278 | EA | 30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 865.20 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-56.50* | |
| | | *For Polished Finish, Add* | *219.84* | |

### 10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

| | | | | |
|---|---|---|---|---|
| 10 14 19 00-0280 | EA | 2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 87.98 | 6.90 |
| | | *For Installation With Adhesive, Deduct* | *-7.16* | |
| | | *For Polished Finish, Add* | *18.12* | |
| 10 14 19 00-0281 | EA | 4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 119.58 | 8.00 |
| | | *For Installation With Adhesive, Deduct* | *-9.18* | |
| | | *For Polished Finish, Add* | *26.27* | |
| 10 14 19 00-0282 | EA | 6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 154.43 | 9.65 |
| | | *For Installation With Adhesive, Deduct* | *-11.58* | |
| | | *For Polished Finish, Add* | *34.75* | |
| 10 14 19 00-0283 | EA | 8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 203.59 | 11.03 |
| | | *For Installation With Adhesive, Deduct* | *-14.59* | |
| | | *For Polished Finish, Add* | *47.84* | |
| 10 14 19 00-0284 | EA | 10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 253.39 | 12.41 |
| | | *For Installation With Adhesive, Deduct* | *-17.63* | |
| | | *For Polished Finish, Add* | *61.13* | |
| 10 14 19 00-0285 | EA | 12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 314.28 | 14.34 |
| | | *For Installation With Adhesive, Deduct* | *-21.45* | |
| | | *For Polished Finish, Add* | *77.07* | |
| 10 14 19 00-0286 | EA | 14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 379.21 | 16.55 |
| | | *For Installation With Adhesive, Deduct* | *-25.58* | |
| | | *For Polished Finish, Add* | *93.90* | |
| 10 14 19 00-0287 | EA | 16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 454.46 | 19.86 |
| | | *For Installation With Adhesive, Deduct* | *-30.67* | |
| | | *For Polished Finish, Add* | *112.51* | |
| 10 14 19 00-0288 | EA | 18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 541.76 | 22.06 |
| | | *For Installation With Adhesive, Deduct* | *-35.92* | |
| | | *For Polished Finish, Add* | *136.05* | |
| 10 14 19 00-0289 | EA | 20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 636.88 | 24.82 |
| | | *For Installation With Adhesive, Deduct* | *-41.77* | |
| | | *For Polished Finish, Add* | *161.27* | |
| 10 14 19 00-0290 | EA | 22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 714.45 | 26.20 |
| | | *For Installation With Adhesive, Deduct* | *-46.20* | |
| | | *For Polished Finish, Add* | *182.89* | |
| 10 14 19 00-0291 | EA | 24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 824.87 | 27.58 |
| | | *For Installation With Adhesive, Deduct* | *-52.28* | |
| | | *For Polished Finish, Add* | *214.36* | |
| 10 14 19 00-0292 | EA | 30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs | 1,147.50 | 33.10 |
| | | *For Installation With Adhesive, Deduct* | *-70.62* | |
| | | *For Polished Finish, Add* | *304.53* | |

## 10 14 23 Panel Signage *(10 14)*

### 10 14 23 11 Panel Signage *(10 14 23)*

#### 10 14 23 11-0001 Indoor/Outdoor Signs *(10 14 23 11)*

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

#### 10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

#### 10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics.

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0004 | EA | Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign | 29.73 | 12.45 |
| | | *For >25 To 50, Deduct* | *-0.48* | |
| | | *For >50 To 100, Deduct* | *-1.21* | |
| | | *For >100, Deduct* | *-1.45* | |
| | | *For Clear Glass Mount, Add* | *3.86* | |
| | | *For Glow-In-Dark, Add* | *9.66* | |
| | | *For Reflective Finish, Add* | *10.87* | |
| 10 14 23 11-0005 | EA | >25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign | 33.18 | 12.45 |
| | | *For >25 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100, Deduct* | *-2.48* | |
| | | *For Clear Glass Mount, Add* | *6.62* | |
| | | *For Glow-In-Dark, Add* | *16.56* | |
| | | *For Reflective Finish, Add* | *18.63* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 23 11-0006 | EA | >50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign | 38.70 | 12.45 |
| | | *For >25 To 50, Deduct* | *-1.38* | |
| | | *For >50 To 100, Deduct* | *-3.45* | |
| | | *For >100, Deduct* | *-4.14* | |
| | | *For Clear Glass Mount, Add* | *11.04* | |
| | | *For Glow-In-Dark, Add* | *27.60* | |
| | | *For Reflective Finish, Add* | *31.05* | |
| 10 14 23 11-0007 | EA | >100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign | 45.60 | 12.45 |
| | | *For >25 To 50, Deduct* | *-2.07* | |
| | | *For >50 To 100, Deduct* | *-5.18* | |
| | | *For >100, Deduct* | *-6.21* | |
| | | *For Clear Glass Mount, Add* | *16.56* | |
| | | *For Glow-In-Dark, Add* | *41.40* | |
| | | *For Reflective Finish, Add* | *46.58* | |
| 10 14 23 11-0008 | EA | >250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign | 58.02 | 12.45 |
| | | *For >25 To 50, Deduct* | *-3.31* | |
| | | *For >50 To 100, Deduct* | *-8.28* | |
| | | *For >100, Deduct* | *-9.94* | |
| | | *For Clear Glass Mount, Add* | *26.50* | |
| | | *For Glow-In-Dark, Add* | *66.24* | |
| | | *For Reflective Finish, Add* | *74.52* | |
| 10 14 23 11-0009 | EA | >500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign | 80.10 | 12.45 |
| | | *For >25 To 50, Deduct* | *-5.52* | |
| | | *For >50 To 100, Deduct* | *-13.80* | |
| | | *For >100, Deduct* | *-16.56* | |
| | | *For Clear Glass Mount, Add* | *44.16* | |
| | | *For Glow-In-Dark, Add* | *110.40* | |
| | | *For Reflective Finish, Add* | *124.20* | |
| 10 14 23 11-0010 | EA | >750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign | 107.70 | 12.45 |
| | | *For >25 To 50, Deduct* | *-8.28* | |
| | | *For >50 To 100, Deduct* | *-20.70* | |
| | | *For >100, Deduct* | *-24.84* | |
| | | *For Clear Glass Mount, Add* | *66.24* | |
| | | *For Glow-In-Dark, Add* | *165.60* | |
| | | *For Reflective Finish, Add* | *186.30* | |
| 10 14 23 11-0011 | SI | >1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign | 0.11 | 0.01 |
| | | *For Clear Glass Mount, Add* | *0.07* | |
| | | *For Glow-In-Dark, Add* | *0.18* | |
| | | *For Reflective Finish, Add* | *0.20* | |

## 10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

*(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0013 | EA | Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign | 31.11 | 12.45 |
| | | *For >25 To 50, Deduct* | *-0.62* | |
| | | *For >50 To 100, Deduct* | *-1.55* | |
| | | *For >100, Deduct* | *-1.86* | |
| | | *For Glow-In-Dark, Add* | *12.42* | |
| | | *For Reflective Finish, Add* | *13.35* | |
| 10 14 23 11-0014 | EA | >25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign | 34.56 | 12.45 |
| | | *For >25 To 50, Deduct* | *-0.97* | |
| | | *For >50 To 100, Deduct* | *-2.42* | |
| | | *For >100, Deduct* | *-2.90* | |
| | | *For Glow-In-Dark, Add* | *19.32* | |
| | | *For Reflective Finish, Add* | *20.77* | |
| 10 14 23 11-0015 | EA | >50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign | 41.46 | 12.45 |
| | | *For >25 To 50, Deduct* | *-1.66* | |
| | | *For >50 To 100, Deduct* | *-4.14* | |
| | | *For >100, Deduct* | *-4.97* | |
| | | *For Glow-In-Dark, Add* | *33.12* | |
| | | *For Reflective Finish, Add* | *35.60* | |
| 10 14 23 11-0016 | EA | >100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign | 48.36 | 12.45 |
| | | *For >25 To 50, Deduct* | *-2.35* | |
| | | *For >50 To 100, Deduct* | *-5.87* | |
| | | *For >100, Deduct* | *-7.04* | |
| | | *For Glow-In-Dark, Add* | *46.92* | |
| | | *For Reflective Finish, Add* | *50.44* | |
| 10 14 23 11-0017 | EA | >250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign | 58.71 | 12.45 |
| | | *For >25 To 50, Deduct* | *-3.38* | |
| | | *For >50 To 100, Deduct* | *-8.45* | |
| | | *For >100, Deduct* | *-10.14* | |
| | | *For Glow-In-Dark, Add* | *67.62* | |
| | | *For Reflective Finish, Add* | *72.69* | |
| 10 14 23 11-0018 | EA | >500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign | 69.06 | 12.45 |
| | | *For >25 To 50, Deduct* | *-4.42* | |
| | | *For >50 To 100, Deduct* | *-11.04* | |
| | | *For >100, Deduct* | *-13.25* | |
| | | *For Glow-In-Dark, Add* | *88.32* | |
| | | *For Reflective Finish, Add* | *94.94* | |
| 10 14 23 11-0019 | EA | >750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign | 80.10 | 12.45 |
| | | *For >25 To 50, Deduct* | *-5.52* | |
| | | *For >50 To 100, Deduct* | *-13.80* | |
| | | *For >100, Deduct* | *-16.56* | |
| | | *For Glow-In-Dark, Add* | *110.40* | |
| | | *For Reflective Finish, Add* | *118.68* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 23 11-0020 | SI | >1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign | 0.08 | 0.01 |
| | | *For Glow-In-Dark, Add* | *0.12* | |
| | | *For Reflective Finish, Add* | *0.13* | |

## 10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0022 | EA | Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille | 41.46 | 12.45 |
| | | *For >25 To 50, Deduct* | *-1.66* | |
| | | *For >50 To 100, Deduct* | *-4.14* | |
| | | *For >100, Deduct* | *-4.97* | |
| | | *For Molded Plastic Frame, Add* | *15.00* | |
| | | *For Brushed Metal Finish/Faux Metal Finish, Add* | *23.00* | |
| | | *For 2" Height Slider Channel For Custom Inserts, Add* | *35.00* | |
| 10 14 23 11-0023 | EA | >25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille | 45.60 | 12.45 |
| | | *For >25 To 50, Deduct* | *-2.07* | |
| | | *For >50 To 100, Deduct* | *-5.18* | |
| | | *For >100, Deduct* | *-6.21* | |
| | | *For Molded Plastic Frame, Add* | *17.00* | |
| | | *For Brushed Metal Finish/Faux Metal Finish, Add* | *28.00* | |
| | | *For 2" Height Slider Channel For Custom Inserts, Add* | *35.00* | |
| 10 14 23 11-0024 | EA | >50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille | 52.50 | 12.45 |
| | | *For >25 To 50, Deduct* | *-2.76* | |
| | | *For >50 To 100, Deduct* | *-6.90* | |
| | | *For >100, Deduct* | *-8.28* | |
| | | *For Molded Plastic Frame, Add* | *19.00* | |
| | | *For Brushed Metal Finish/Faux Metal Finish, Add* | *31.00* | |
| 10 14 23 11-0025 | EA | >75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille | 58.99 | 12.45 |
| | | *For >25 To 50, Deduct* | *-3.41* | |
| | | *For >50 To 100, Deduct* | *-8.52* | |
| | | *For >100, Deduct* | *-10.23* | |
| | | *For Molded Plastic Frame, Add* | *21.00* | |
| | | *For Brushed Metal Finish/Faux Metal Finish, Add* | *35.00* | |
| 10 14 23 11-0026 | SI | >100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille | 0.64 | 0.12 |
| | | *For Molded Plastic Frame, Add* | *0.20* | |
| | | *For Brushed Metal Finish/Faux Metal Finish, Add* | *0.31* | |

## 10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0028 | EA | Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign | 51.12 | 12.45 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100, Deduct* | *-7.87* | |
| | | *For Molded Plastic Frame, Add* | *15.00* | |
| 10 14 23 11-0029 | EA | >25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign | 59.40 | 12.45 |
| | | *For >25 To 50, Deduct* | *-3.45* | |
| | | *For >50 To 100, Deduct* | *-8.63* | |
| | | *For >100, Deduct* | *-10.35* | |
| | | *For Molded Plastic Frame, Add* | *17.00* | |
| 10 14 23 11-0030 | EA | >50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign | 70.44 | 12.45 |
| | | *For >25 To 50, Deduct* | *-4.55* | |
| | | *For >50 To 100, Deduct* | *-11.39* | |
| | | *For >100, Deduct* | *-13.66* | |
| | | *For Molded Plastic Frame, Add* | *19.00* | |
| 10 14 23 11-0031 | EA | >75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign | 92.52 | 12.45 |
| | | *For >25 To 50, Deduct* | *-6.76* | |
| | | *For >50 To 100, Deduct* | *-16.91* | |
| | | *For >100, Deduct* | *-20.29* | |
| | | *For Molded Plastic Frame, Add* | *21.00* | |
| 10 14 23 11-0032 | SI | >100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign | 0.93 | 0.12 |
| | | *For Molded Plastic Frame, Add* | *0.20* | |

## 10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0034 | EA | Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign | 30.42 | 12.45 |
| | | *For >25 To 50, Deduct* | *-0.55* | |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100, Deduct* | *-1.66* | |
| | | *For Glow-In-Dark, Add* | *3.31* | |
| | | *For Reflective Finish, Add* | *4.14* | |
| 10 14 23 11-0035 | EA | >25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign | 34.56 | 12.45 |
| | | *For >25 To 50, Deduct* | *-0.97* | |
| | | *For >50 To 100, Deduct* | *-2.42* | |
| | | *For >100, Deduct* | *-2.90* | |
| | | *For Glow-In-Dark, Add* | *5.80* | |
| | | *For Reflective Finish, Add* | *7.25* | |
| 10 14 23 11-0036 | EA | >50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign | 42.84 | 12.45 |
| | | *For >25 To 50, Deduct* | *-1.79* | |
| | | *For >50 To 100, Deduct* | *-4.49* | |
| | | *For >100, Deduct* | *-5.38* | |
| | | *For Glow-In-Dark, Add* | *10.76* | |
| | | *For Reflective Finish, Add* | *13.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 23 11-0037 | EA | >100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign | 52.50 | 12.45 |
| | | *For >25 To 50, Deduct* | *-2.76* | |
| | | *For >50 To 100, Deduct* | *-6.90* | |
| | | *For >100, Deduct* | *-8.28* | |
| | | *For Glow-In-Dark, Add* | *16.56* | |
| | | *For Reflective Finish, Add* | *20.70* | |
| 10 14 23 11-0038 | EA | >250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign | 81.48 | 12.45 |
| | | *For >25 To 50, Deduct* | *-5.66* | |
| | | *For >50 To 100, Deduct* | *-14.15* | |
| | | *For >100, Deduct* | *-16.97* | |
| | | *For Glow-In-Dark, Add* | *33.95* | |
| | | *For Reflective Finish, Add* | *42.44* | |
| 10 14 23 11-0039 | EA | >500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign | 93.90 | 12.45 |
| | | *For >25 To 50, Deduct* | *-6.90* | |
| | | *For >50 To 100, Deduct* | *-17.25* | |
| | | *For >100, Deduct* | *-20.70* | |
| | | *For Glow-In-Dark, Add* | *41.40* | |
| | | *For Reflective Finish, Add* | *51.75* | |
| 10 14 23 11-0040 | EA | >750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign | 110.46 | 12.45 |
| | | *For >25 To 50, Deduct* | *-8.56* | |
| | | *For >50 To 100, Deduct* | *-21.39* | |
| | | *For >100, Deduct* | *-25.67* | |
| | | *For Glow-In-Dark, Add* | *51.34* | |
| | | *For Reflective Finish, Add* | *64.17* | |
| 10 14 23 11-0041 | SI | >1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign | 0.12 | 0.01 |
| | | *For Glow-In-Dark, Add* | *0.06* | |
| | | *For Reflective Finish, Add* | *0.08* | |

### 10 14 23 11-0042 California Title 24, Surface Mount, Signs *(10 14 23 11-0002)*

### 10 14 23 11-0043 California Title 24, Surface Mount, Geometric Restroom Signs *(10 14 23 11-0042)*

Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0044 | EA | 1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign | 75.62 | 12.45 |
| | | *For >25 To 50, Deduct* | *-5.07* | |
| | | *For >50 To 100, Deduct* | *-7.61* | |
| | | *For >100, Deduct* | *-8.62* | |
| 10 14 23 11-0045 | EA | 1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign | 75.62 | 12.45 |
| | | *For >25 To 50, Deduct* | *-5.07* | |
| | | *For >50 To 100, Deduct* | *-7.61* | |
| | | *For >100, Deduct* | *-8.62* | |
| 10 14 23 11-0046 | EA | 1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign<br>Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle. | 95.90 | 12.45 |
| | | *For >25 To 50, Deduct* | *-7.10* | |
| | | *For >50 To 100, Deduct* | *-10.65* | |
| | | *For >100, Deduct* | *-12.07* | |

### 10 14 23 11-0047 California Title 24, Surface Mount, Stairwell Signs *(10 14 23 11-0042)*

Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0048 | EA | 1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign | 139.37 | 12.45 |
| | | *For >25 To 50, Deduct* | *-11.45* | |
| | | *For >50 To 100, Deduct* | *-17.17* | |
| | | *For >100, Deduct* | *-19.46* | |

### 10 14 23 11-0049 Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

### 10 14 23 11-0050 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0049)*

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0051 | EA | Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign | 42.45 | 17.43 |
| | | *For >25 To 50, Deduct* | *-0.76* | |
| | | *For >50 To 100, Deduct* | *-1.90* | |
| | | *For >100, Deduct* | *-2.28* | |
| | | *For Glow-In-Dark, Add* | *4.55* | |
| | | *For Reflective Finish, Add* | *5.69* | |
| 10 14 23 11-0052 | EA | >25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign | 48.66 | 17.43 |
| | | *For >25 To 50, Deduct* | *-1.38* | |
| | | *For >50 To 100, Deduct* | *-3.45* | |
| | | *For >100, Deduct* | *-4.14* | |
| | | *For Glow-In-Dark, Add* | *8.28* | |
| | | *For Reflective Finish, Add* | *10.35* | |
| 10 14 23 11-0053 | EA | >50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign | 56.94 | 17.43 |
| | | *For >25 To 50, Deduct* | *-2.21* | |
| | | *For >50 To 100, Deduct* | *-5.52* | |
| | | *For >100, Deduct* | *-6.62* | |
| | | *For Glow-In-Dark, Add* | *13.25* | |
| | | *For Reflective Finish, Add* | *16.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 23 11-0054 | EA | >100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign | 69.36 | 17.43 |
| | | *For >25 To 50, Deduct* | *-3.45* | |
| | | *For >50 To 100, Deduct* | *-8.63* | |
| | | *For >100, Deduct* | *-10.35* | |
| | | *For Glow-In-Dark, Add* | *20.70* | |
| | | *For Reflective Finish, Add* | *25.88* | |

## 10 14 23 11-0055 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

## 10 14 23 11-0056 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0055)*

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0057 | EA | Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign | 43.14 | 17.43 |
| | | *For >25 To 50, Deduct* | *-0.83* | |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100, Deduct* | *-2.48* | |
| | | *For Glow-In-Dark, Add* | *4.97* | |
| | | *For Reflective Finish, Add* | *6.21* | |
| 10 14 23 11-0058 | EA | >25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign | 50.04 | 17.43 |
| | | *For >25 To 50, Deduct* | *-1.52* | |
| | | *For >50 To 100, Deduct* | *-3.80* | |
| | | *For >100, Deduct* | *-4.55* | |
| | | *For Glow-In-Dark, Add* | *9.11* | |
| | | *For Reflective Finish, Add* | *11.39* | |
| 10 14 23 11-0059 | EA | >50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign | 65.22 | 17.43 |
| | | *For >25 To 50, Deduct* | *-3.04* | |
| | | *For >50 To 100, Deduct* | *-7.59* | |
| | | *For >100, Deduct* | *-9.11* | |
| | | *For Glow-In-Dark, Add* | *18.22* | |
| | | *For Reflective Finish, Add* | *22.77* | |
| 10 14 23 11-0060 | EA | >100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign | 70.74 | 17.43 |
| | | *For >25 To 50, Deduct* | *-3.59* | |
| | | *For >50 To 100, Deduct* | *-8.97* | |
| | | *For >100, Deduct* | *-10.76* | |
| | | *For Glow-In-Dark, Add* | *21.53* | |
| | | *For Reflective Finish, Add* | *26.91* | |

## 10 14 23 11-0061 Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

## 10 14 23 11-0062 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0061)*

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0063 | EA | Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign | 45.21 | 17.43 |
| | | *For >25 To 50, Deduct* | *-1.04* | |
| | | *For >50 To 100, Deduct* | *-2.59* | |
| | | *For >100, Deduct* | *-3.11* | |
| | | *For Glow-In-Dark, Add* | *6.21* | |
| | | *For Reflective Finish, Add* | *7.76* | |
| 10 14 23 11-0064 | EA | >25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign | 55.56 | 17.43 |
| | | *For >25 To 50, Deduct* | *-2.07* | |
| | | *For >50 To 100, Deduct* | *-5.18* | |
| | | *For >100, Deduct* | *-6.21* | |
| | | *For Glow-In-Dark, Add* | *12.42* | |
| | | *For Reflective Finish, Add* | *15.53* | |
| 10 14 23 11-0065 | EA | >50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign | 59.70 | 17.43 |
| | | *For >25 To 50, Deduct* | *-2.48* | |
| | | *For >50 To 100, Deduct* | *-6.21* | |
| | | *For >100, Deduct* | *-7.45* | |
| | | *For Glow-In-Dark, Add* | *14.90* | |
| | | *For Reflective Finish, Add* | *18.63* | |
| 10 14 23 11-0066 | EA | >100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign | 65.22 | 17.43 |
| | | *For >25 To 50, Deduct* | *-3.04* | |
| | | *For >50 To 100, Deduct* | *-7.59* | |
| | | *For >100, Deduct* | *-9.11* | |
| | | *For Glow-In-Dark, Add* | *18.22* | |
| | | *For Reflective Finish, Add* | *22.77* | |

## 10 14 23 11-0067 Adhesive Backed Vinyl Characters *(10 14 23 11)*

Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0068 | EA | 1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character | 3.18 | 0.99 |
| | | *For Pressure Sensitive Vinyl Letters, Custom Cut, Add* | *0.54* | |
| 10 14 23 11-0069 | EA | 3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character | 3.29 | 1.14 |
| | | *For Pressure Sensitive Vinyl Letters, Custom Cut, Add* | *0.56* | |
| 10 14 23 11-0070 | EA | 1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character | 3.39 | 1.29 |
| | | *For Pressure Sensitive Vinyl Letters, Custom Cut, Add* | *0.59* | |
| 10 14 23 11-0071 | EA | 1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character | 4.56 | 1.49 |
| | | *For Pressure Sensitive Vinyl Letters, Custom Cut, Add* | *0.75* | |
| 10 14 23 11-0072 | EA | 2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character | 4.71 | 1.75 |
| | | *For Pressure Sensitive Vinyl Letters, Custom Cut, Add* | *0.79* | |
| 10 14 23 11-0073 | EA | 3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character | 6.64 | 2.00 |
| | | *For Pressure Sensitive Vinyl Letters, Custom Cut, Add* | *1.14* | |
| 10 14 23 11-0074 | EA | 4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character | 7.09 | 2.24 |
| | | *For Pressure Sensitive Vinyl Letters, Custom Cut, Add* | *1.26* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 23 11-0075 | EA | 6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character | 9.48 | 2.49 |
| | | *For Pressure Sensitive Vinyl Letters, Custom Cut, Add* | *1.72* | |
| 10 14 23 11-0076 | EA | 8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character | 11.31 | 2.74 |
| | | *For Pressure Sensitive Vinyl Letters, Custom Cut, Add* | *2.18* | |
| 10 14 23 11-0077 | EA | 10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character | 14.45 | 2.99 |
| | | *For Pressure Sensitive Vinyl Letters, Custom Cut, Add* | *2.84* | |

### 10 14 23 11-0078 Standoffs For Wall Signage *(10 14 23 11)*

Note: Excludes signage

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0079 | EA | 1/2" Diameter x 1/2" Long, Stainless Steel Standoff | 15.26 | 5.52 |
| 10 14 23 11-0080 | EA | 1/2" Diameter x 3/4" Long, Stainless Steel Standoff | 15.81 | 5.52 |
| 10 14 23 11-0081 | EA | 1/2" Diameter x 1" Long, Stainless Steel Standoff | 15.95 | 5.52 |
| 10 14 23 11-0082 | EA | 5/8" Diameter x 1/2" Long, Stainless Steel Standoff | 16.78 | 5.52 |
| 10 14 23 11-0083 | EA | 5/8" Diameter x 3/4" Long, Stainless Steel Standoff | 17.33 | 5.52 |
| 10 14 23 11-0084 | EA | 5/8" Diameter x 1" Long, Stainless Steel Standoff | 18.42 | 5.52 |
| 10 14 23 11-0085 | EA | 3/4" Diameter x 3/4" Long, Stainless Steel Standoff | 18.15 | 6.62 |
| 10 14 23 11-0086 | EA | 3/4" Diameter x 1" Long, Stainless Steel Standoff | 19.65 | 6.62 |
| 10 14 23 11-0087 | EA | 3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff | 20.88 | 6.62 |
| 10 14 23 11-0088 | EA | 1" Diameter x 3/4" Long, Stainless Steel Standoff | 21.98 | 6.62 |
| 10 14 23 11-0089 | EA | 1" Diameter x 1" Long, Stainless Steel Standoff | 23.76 | 6.62 |
| 10 14 23 11-0090 | EA | 1" Diameter x 1-1/2" Long, Stainless Steel Standoff | 25.94 | 6.62 |
| 10 14 23 11-0091 | EA | 5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff | 17.19 | 5.52 |
| 10 14 23 11-0092 | EA | 5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff | 17.60 | 5.52 |
| 10 14 23 11-0093 | EA | 3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff | 19.38 | 6.62 |
| 10 14 23 11-0094 | EA | 3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff | 19.79 | 6.62 |
| 10 14 23 11-0095 | EA | 1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff | 21.43 | 6.62 |
| 10 14 23 11-0096 | EA | 1" Diameter x 1" Long, Clear Anodized Aluminum Standoff | 21.71 | 6.62 |

### 10 14 23 11-0097 Removal And Reinstallation Of Building Signage *(10 14 23 11)*

Note: Includes storage and cleaning.

| | | | |
|---|---|---|---|
| 10 14 23 11-0098 | EA | Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF | 193.17 |
| 10 14 23 11-0099 | EA | Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF | 222.02 |
| 10 14 23 11-0100 | EA | Removal And Reinstallation Of Building Signage, >12 To 20 SF | 249.61 |
| 10 14 23 11-0101 | EA | Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF | 74.70 |

### 10 14 23 11-0102 Building Sign *(10 14 23 11)*

Note: Includes 4" numbers painted on sign. Installed on building.

| | | | | |
|---|---|---|---|---|
| 10 14 23 11-0103 | EA | 6" x 18" Metal Building Sign With Numbers | 194.70 | 29.88 |
| 10 14 23 11-0104 | SF | Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts | 45.20 | 7.72 |
| 10 14 23 11-0105 | SF | Single Sided, Molding On One Side, For Mounting On Structure Up To 20' | 34.05 | 7.17 |
| 10 14 23 11-0106 | EA | Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep | 34.67 | 6.07 |
| 10 14 23 11-0107 | EA | Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep | 40.39 | 6.63 |
| 10 14 23 11-0108 | EA | Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep | 44.39 | 7.17 |
| 10 14 23 11-0109 | EA | Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep | 53.01 | 7.72 |

## 10 14 29 Wall or Ground Mounted Signage *(10 14)*

Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.

### 10 14 29 00-0001 Illuminated Signage *(10 14 29)*

### 10 14 29 00-0002 Removal Of Sign Cabinets *(10 14 29 00-0001)*

| | | | |
|---|---|---|---|
| 10 14 29 00-0003 | EA | Removal Of Sign Cabinet, 1 To 4.9 SF | 322.22 |
| 10 14 29 00-0004 | EA | Removal Of Sign Cabinet, 5 To 9.9 SF | 386.67 |
| 10 14 29 00-0005 | EA | Removal Of Sign Cabinet, 10 To 19.9 SF | 515.52 |
| 10 14 29 00-0006 | EA | Removal Of Sign Cabinet, 20 To 29.9 SF | 773.34 |
| 10 14 29 00-0007 | EA | Removal Of Sign Cabinet, >30 SF | 1,031.04 |

### 10 14 29 00-0008 Fabricate And Install New Sign Cabinets *(10 14 29 00-0001)*

| | | | | |
|---|---|---|---|---|
| 10 14 29 00-0009 | SF | 1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted | 298.93 | |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-14.95* | |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-22.42* | |
| | | *For >20 Per Each Sign, Deduct* | *-29.89* | |
| 10 14 29 00-0010 | SF | 5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted | 248.24 | |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-12.41* | |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-18.62* | |
| | | *For >20 Per Each Sign, Deduct* | *-24.82* | |
| 10 14 29 00-0011 | SF | 10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted | 202.65 | |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-10.13* | |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-15.20* | |
| | | *For >20 Per Each Sign, Deduct* | *-20.27* | |
| 10 14 29 00-0012 | SF | 20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted | 182.38 | |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-9.12* | |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-13.68* | |
| | | *For >20 Per Each Sign, Deduct* | *-18.24* | |
| 10 14 29 00-0013 | SF | =>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted | 167.18 | |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-8.36* | |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-12.54* | |
| | | *For >20 Per Each Sign, Deduct* | *-16.72* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 10 14 29 00-0014 Fabricate And Install New Sign Face, Material And Legend *(10 14 29 00-0001)*

| | | | |
|---|---|---|---|
| 10 14 29 00-0015 | SF | 1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend | 81.06 |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-4.05* |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-6.08* |
| | | *For >20 Per Each Sign, Deduct* | *-8.11* |
| 10 14 29 00-0016 | SF | 5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend | 65.86 |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-3.29* |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-4.94* |
| | | *For >20 Per Each Sign, Deduct* | *-6.59* |
| 10 14 29 00-0017 | SF | 10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend | 50.67 |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-2.53* |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-3.80* |
| | | *For >20 Per Each Sign, Deduct* | *-5.07* |
| 10 14 29 00-0018 | SF | 20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend | 40.54 |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-2.03* |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-3.04* |
| | | *For >20 Per Each Sign, Deduct* | *-4.05* |
| 10 14 29 00-0019 | SF | =>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend | 32.43 |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-1.62* |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-2.43* |
| | | *For >20 Per Each Sign, Deduct* | *-3.24* |

### 10 14 29 00-0020 Posts *(10 14 29)*

Note: Includes mounting bolts and installation for sign blades to posts.

| | | | |
|---|---|---|---|
| 10 14 29 00-0021 | LF | 2" Square Galvanized Steel Post | 25.18 |
| | | *For Powder Coating, Add* | *1.22* |
| 10 14 29 00-0022 | LF | 2-3/8" Diameter Galvanized Steel Post | 24.28 |
| | | *For Powder Coating, Add* | *1.15* |
| 10 14 29 00-0023 | LF | 2" Diameter Recycled Plastic Lumber Post | 10.29 |
| 10 14 29 00-0024 | EA | Mounting On Ground With Base<br>Note: Includes bolts and drilling for bolts. | 60.43 |
| 10 14 29 00-0025 | EA | Mid Post Mounted Rotating Sign With Graphics | 280.12 |
| | | *For >5 To 11, Deduct* | *-14.01* |
| | | *For >11 To 20, Deduct* | *-21.01* |
| | | *For >20, Deduct* | *-28.01* |

## 10 14 31 Overhead and Ceiling Hung Signage *(10 14)*

Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.

### 10 14 31 00-0001 Illuminated Signage *(10 14 31)*

### 10 14 31 00-0002 Removal Of Sign Cabinets *(10 14 31 00-0001)*

| | | | |
|---|---|---|---|
| 10 14 31 00-0003 | EA | Removal Of Sign Cabinet, 1 To 4.9 SF | 354.45 |
| 10 14 31 00-0004 | EA | Removal Of Sign Cabinet, 5 To 9.9 SF | 425.33 |
| 10 14 31 00-0005 | EA | Removal Of Sign Cabinet, 10 To 19.9 SF | 567.12 |
| 10 14 31 00-0006 | EA | Removal Of Sign Cabinet, 20 To 29.9 SF | 850.68 |
| 10 14 31 00-0007 | EA | Removal Of Sign Cabinet, >30 SF | 1,134.04 |

### 10 14 31 00-0008 Fabricate And Install New Sign Cabinets *(10 14 31 00-0001)*

| | | | |
|---|---|---|---|
| 10 14 31 00-0009 | SF | 1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung | 330.75 |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-16.54* |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-24.81* |
| | | *For >20 Per Each Sign, Deduct* | *-33.08* |
| 10 14 31 00-0010 | SF | 5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung | 274.58 |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-13.73* |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-20.59* |
| | | *For >20 Per Each Sign, Deduct* | *-27.46* |
| 10 14 31 00-0011 | SF | 10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung | 224.15 |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-11.21* |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-16.81* |
| | | *For >20 Per Each Sign, Deduct* | *-22.42* |
| 10 14 31 00-0012 | SF | 20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung | 201.76 |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-10.09* |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-15.13* |
| | | *For >20 Per Each Sign, Deduct* | *-20.18* |
| 10 14 31 00-0013 | SF | =>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung | 184.91 |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-9.25* |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-13.87* |
| | | *For >20 Per Each Sign, Deduct* | *-18.49* |

### 10 14 31 00-0014 Fabricate And Install New Sign Face, Material And Legend *(10 14 31 00-0001)*

| | | | |
|---|---|---|---|
| 10 14 31 00-0015 | SF | 1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend | 33.08 |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-1.65* |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-2.48* |
| | | *For >20 Per Each Sign, Deduct* | *-3.31* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 31 00-0016 | SF | 5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend | 26.46 | |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-1.32* | |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-1.98* | |
| | | *For >20 Per Each Sign, Deduct* | *-2.65* | |
| 10 14 31 00-0017 | SF | 10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend | 22.06 | |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-1.10* | |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-1.65* | |
| | | *For >20 Per Each Sign, Deduct* | *-2.21* | |
| 10 14 31 00-0018 | SF | 20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend | 18.73 | |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-0.94* | |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-1.40* | |
| | | *For >20 Per Each Sign, Deduct* | *-1.87* | |
| 10 14 31 00-0019 | SF | =>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend | 16.53 | |
| | | *For >5 To 11 Per Each Sign, Deduct* | *-0.83* | |
| | | *For >11 To 20 Per Each Sign, Deduct* | *-1.24* | |
| | | *For >20 Per Each Sign, Deduct* | *-1.65* | |

## 10 14 43 Photoluminescent Signage *(10 14)*

### 10 14 43 00-0001 Photoluminescent Illuminated Signage *(10 14 43)*

| | | | | |
|---|---|---|---|---|
| 10 14 43 00-0002 | EA | 4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount | 64.04 | 12.45 |
| | | *For >25 To 50, Deduct* | *-3.91* | |
| | | *For >50 To 100, Deduct* | *-9.79* | |
| | | *For >100, Deduct* | *-11.74* | |
| 10 14 43 00-0003 | EA | 4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount | 70.41 | 12.45 |
| | | *For >25 To 50, Deduct* | *-4.55* | |
| | | *For >50 To 100, Deduct* | *-11.38* | |
| | | *For >100, Deduct* | *-13.65* | |
| 10 14 43 00-0004 | EA | 8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount | 79.15 | 12.45 |
| | | *For >25 To 50, Deduct* | *-5.43* | |
| | | *For >50 To 100, Deduct* | *-13.56* | |
| | | *For >100, Deduct* | *-16.28* | |

## 10 14 53 Traffic Signage *(10 14)*

### 10 14 53 11 Traffic Signage *(10 14 53)*

### 10 14 53 11-0001 Traffic Signs *(10 14 53 11)*

### 10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 11-0001)*

Note: Excludes posts.

### 10 14 53 11-0003 Aluminum Engineer Grade Stop Signs *(10 14 53 11-0002)*

| | | | | |
|---|---|---|---|---|
| 10 14 53 11-0004 | EA | 18" x 18" Aluminum Engineer Grade Stop Sign | 75.72 | 22.41 |
| | | *For Hi-Intensity Grade, Add* | *9.27* | |
| | | *For Diamond Grade, Add* | *17.61* | |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-4.13* | |
| | | *For > 150 To 250, Deduct* | *-6.03* | |
| | | *For > 250, Deduct* | *-9.04* | |
| 10 14 53 11-0005 | EA | 18" x 24" Aluminum Engineer Grade Stop Sign | 87.72 | 23.70 |
| | | *For Hi-Intensity Grade, Add* | *12.12* | |
| | | *For Diamond Grade, Add* | *23.03* | |
| | | *For > 25 To 50, Deduct* | *-2.37* | |
| | | *For > 50 To 150, Deduct* | *-4.56* | |
| | | *For > 150 To 250, Deduct* | *-6.75* | |
| | | *For > 250, Deduct* | *-10.13* | |
| 10 14 53 11-0006 | EA | 24" x 24" Aluminum Engineer Grade Stop Sign | 94.97 | 24.90 |
| | | *For Hi-Intensity Grade, Add* | *18.52* | |
| | | *For Diamond Grade, Add* | *29.35* | |
| | | *For > 25 To 50, Deduct* | *-2.49* | |
| | | *For > 50 To 150, Deduct* | *-4.86* | |
| | | *For > 150 To 250, Deduct* | *-7.24* | |
| | | *For > 250, Deduct* | *-10.86* | |
| 10 14 53 11-0007 | EA | 30" x 30" Aluminum Engineer Grade Stop Sign | 110.14 | 26.19 |
| | | *For Hi-Intensity Grade, Add* | *6.94* | |
| | | *For Diamond Grade, Add* | *37.60* | |
| | | *For > 25 To 50, Deduct* | *-2.62* | |
| | | *For > 50 To 150, Deduct* | *-5.37* | |
| | | *For > 150 To 250, Deduct* | *-8.12* | |
| | | *For > 250, Deduct* | *-12.18* | |
| 10 14 53 11-0008 | EA | 36" x 36" Aluminum Engineer Grade Stop Sign | 147.48 | 27.40 |
| | | *For Hi-Intensity Grade, Add* | *20.39* | |
| | | *For Diamond Grade, Add* | *63.96* | |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.43* | |
| | | *For > 150 To 250, Deduct* | *-10.11* | |
| | | *For > 250, Deduct* | *-15.17* | |

### 10 14 53 11-0009 Steel Engineer Grade Stop Signs *(10 14 53 11-0002)*

| | | | | |
|---|---|---|---|---|
| 10 14 53 11-0010 | EA | 18" x 18" Reflective Steel Stop Sign, Engineering Grade | 110.35 | 22.41 |
| 10 14 53 11-0011 | EA | 18" x 24" Reflective Steel Stop Sign, Engineering Grade | 136.58 | 23.70 |
| 10 14 53 11-0012 | EA | 24" x 24" Reflective Steel Stop Sign, Engineering Grade | 144.87 | 24.90 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0013 | EA | 30" x 30" Reflective Steel Stop Sign, Engineering Grade | 203.52 | 26.19 |
| 10 14 53 11-0014 | EA | 36" x 36" Reflective Steel Stop Sign, Engineering Grade | 256.44 | 27.40 |
| **10 14 53 11-0015** | | **Polyethylene Engineer Grade Stop Signs** *(10 14 53 11-0002)* | | |
| 10 14 53 11-0016 | EA | 18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade | 112.78 | 22.41 |
| 10 14 53 11-0017 | EA | 18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade | 142.80 | 23.70 |
| 10 14 53 11-0018 | EA | 24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade | 157.11 | 24.90 |
| 10 14 53 11-0019 | EA | 30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade | 204.09 | 26.19 |
| **10 14 53 11-0020** | | **Other Reflectorized Traffic Signs** *(10 14 53 11-0002)*<br>Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts. | | |
| **10 14 53 11-0021** | | **Aluminum Engineer Grade Traffic Signs** *(10 14 53 11-0020)* | | |
| 10 14 53 11-0022 | EA | 6" x 12" Aluminum Engineer Grade Traffic Sign | 47.50 | 19.92 |
| | | *For Hi-Intensity Grade, Add* | *2.30* | |
| | | *For Diamond Grade, Add* | *4.36* | |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.18* | |
| | | *For > 150 To 250, Deduct* | *-4.37* | |
| | | *For > 250, Deduct* | *-6.55* | |
| 10 14 53 11-0023 | EA | 6" x 18" Aluminum Engineer Grade Traffic Sign | 51.33 | 19.92 |
| | | *For Hi-Intensity Grade, Add* | *3.44* | |
| | | *For Diamond Grade, Add* | *6.54* | |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.28* | |
| | | *For > 150 To 250, Deduct* | *-4.56* | |
| | | *For > 250, Deduct* | *-6.84* | |
| 10 14 53 11-0024 | EA | 9" x 12" Aluminum Engineer Grade Traffic Sign | 51.33 | 19.92 |
| | | *For Hi-Intensity Grade, Add* | *3.44* | |
| | | *For Diamond Grade, Add* | *6.54* | |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.28* | |
| | | *For > 150 To 250, Deduct* | *-4.56* | |
| | | *For > 250, Deduct* | *-6.84* | |
| 10 14 53 11-0025 | EA | 9" x 15" Aluminum Engineer Grade Traffic Sign | 54.20 | 19.92 |
| | | *For Hi-Intensity Grade, Add* | *4.31* | |
| | | *For Diamond Grade, Add* | *8.18* | |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.35* | |
| | | *For > 150 To 250, Deduct* | *-4.70* | |
| | | *For > 250, Deduct* | *-7.05* | |
| 10 14 53 11-0026 | EA | 9" x 18" Aluminum Engineer Grade Traffic Sign | 57.07 | 19.92 |
| | | *For Hi-Intensity Grade, Add* | *5.17* | |
| | | *For Diamond Grade, Add* | *9.82* | |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.42* | |
| | | *For > 150 To 250, Deduct* | *-4.85* | |
| | | *For > 250, Deduct* | *-7.27* | |
| 10 14 53 11-0027 | EA | 9" x 24" Aluminum Engineer Grade Traffic Sign | 65.29 | 21.17 |
| | | *For Hi-Intensity Grade, Add* | *6.89* | |
| | | *For Diamond Grade, Add* | *13.09* | |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.75* | |
| | | *For > 150 To 250, Deduct* | *-5.38* | |
| | | *For > 250, Deduct* | *-8.07* | |
| 10 14 53 11-0028 | EA | 9" x 48" Aluminum Engineer Grade Traffic Sign | 88.26 | 21.17 |
| | | *For Hi-Intensity Grade, Add* | *13.78* | |
| | | *For Diamond Grade, Add* | *26.18* | |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-4.32* | |
| | | *For > 150 To 250, Deduct* | *-6.53* | |
| | | *For > 250, Deduct* | *-9.79* | |
| 10 14 53 11-0029 | EA | 12" x 12" Aluminum Engineer Grade Traffic Sign | 55.16 | 19.92 |
| | | *For Hi-Intensity Grade, Add* | *4.59* | |
| | | *For Diamond Grade, Add* | *8.73* | |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.37* | |
| | | *For > 150 To 250, Deduct* | *-4.75* | |
| | | *For > 250, Deduct* | *-7.13* | |
| 10 14 53 11-0030 | EA | 12" x 18" Aluminum Engineer Grade Traffic Sign | 65.29 | 21.17 |
| | | *For Hi-Intensity Grade, Add* | *6.89* | |
| | | *For Diamond Grade, Add* | *13.09* | |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.75* | |
| | | *For > 150 To 250, Deduct* | *-5.38* | |
| | | *For > 250, Deduct* | *-8.07* | |
| 10 14 53 11-0031 | EA | 12" x 24" Aluminum Engineer Grade Traffic Sign | 72.95 | 21.17 |
| | | *For Hi-Intensity Grade, Add* | *9.19* | |
| | | *For Diamond Grade, Add* | *17.45* | |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.94* | |
| | | *For > 150 To 250, Deduct* | *-5.76* | |
| | | *For > 250, Deduct* | *-8.65* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0032 | EA | 12" x 30" Aluminum Engineer Grade Traffic Sign | 80.60 | 21.17 |
| | | *For Hi-Intensity Grade, Add* | *11.48* | |
| | | *For Diamond Grade, Add* | *21.81* | |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-4.13* | |
| | | *For > 150 To 250, Deduct* | *-6.15* | |
| | | *For > 250, Deduct* | *-9.22* | |
| 10 14 53 11-0033 | EA | 12" x 36" Aluminum Engineer Grade Traffic Sign | 88.26 | 21.17 |
| | | *For Hi-Intensity Grade, Add* | *13.78* | |
| | | *For Diamond Grade, Add* | *26.18* | |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-4.32* | |
| | | *For > 150 To 250, Deduct* | *-6.53* | |
| | | *For > 250, Deduct* | *-9.79* | |
| 10 14 53 11-0034 | EA | 17" x 22" Aluminum Engineer Grade Traffic Sign | 82.09 | 21.17 |
| | | *For Hi-Intensity Grade, Add* | *11.93* | |
| | | *For Diamond Grade, Add* | *22.66* | |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-4.17* | |
| | | *For > 150 To 250, Deduct* | *-6.22* | |
| | | *For > 250, Deduct* | *-9.33* | |
| 10 14 53 11-0035 | EA | 18" x 18" Aluminum Engineer Grade Traffic Sign | 76.77 | 21.17 |
| | | *For Hi-Intensity Grade, Add* | *10.33* | |
| | | *For Diamond Grade, Add* | *19.63* | |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-4.04* | |
| | | *For > 150 To 250, Deduct* | *-5.96* | |
| | | *For > 250, Deduct* | *-8.93* | |
| 10 14 53 11-0036 | EA | 18" x 24" Aluminum Engineer Grade Traffic Sign | 88.26 | 21.17 |
| | | *For Hi-Intensity Grade, Add* | *13.78* | |
| | | *For Diamond Grade, Add* | *26.18* | |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-4.32* | |
| | | *For > 150 To 250, Deduct* | *-6.53* | |
| | | *For > 250, Deduct* | *-9.79* | |
| 10 14 53 11-0037 | EA | 18" x 30" Aluminum Engineer Grade Traffic Sign | 102.23 | 22.41 |
| | | *For Hi-Intensity Grade, Add* | *17.22* | |
| | | *For Diamond Grade, Add* | *32.72* | |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-4.80* | |
| | | *For > 150 To 250, Deduct* | *-7.35* | |
| | | *For > 250, Deduct* | *-11.03* | |
| 10 14 53 11-0038 | EA | 18" x 36" Aluminum Engineer Grade Traffic Sign | 113.71 | 22.41 |
| | | *For Hi-Intensity Grade, Add* | *20.67* | |
| | | *For Diamond Grade, Add* | *39.27* | |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-5.08* | |
| | | *For > 150 To 250, Deduct* | *-7.93* | |
| | | *For > 250, Deduct* | *-11.89* | |
| 10 14 53 11-0039 | EA | 18" x 48" Aluminum Engineer Grade Traffic Sign | 146.63 | 27.40 |
| | | *For Hi-Intensity Grade, Add* | *27.56* | |
| | | *For Diamond Grade, Add* | *52.35* | |
| 10 14 53 11-0040 | EA | 18" x 54" Aluminum Engineer Grade Traffic Sign | 158.11 | 27.40 |
| | | *For Hi-Intensity Grade, Add* | *31.00* | |
| | | *For Diamond Grade, Add* | *58.90* | |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.69* | |
| | | *For > 150 To 250, Deduct* | *-10.64* | |
| | | *For > 250, Deduct* | *-15.97* | |
| 10 14 53 11-0041 | EA | 24" x 24" Aluminum Engineer Grade Traffic Sign | 106.05 | 22.41 |
| | | *For Hi-Intensity Grade, Add* | *18.37* | |
| | | *For Diamond Grade, Add* | *34.90* | |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-4.89* | |
| | | *For > 150 To 250, Deduct* | *-7.54* | |
| | | *For > 250, Deduct* | *-11.32* | |
| 10 14 53 11-0042 | EA | 24" x 30" Aluminum Engineer Grade Traffic Sign | 121.36 | 22.41 |
| | | *For Hi-Intensity Grade, Add* | *22.96* | |
| | | *For Diamond Grade, Add* | *43.63* | |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-5.28* | |
| | | *For > 150 To 250, Deduct* | *-8.31* | |
| | | *For > 250, Deduct* | *-12.46* | |
| 10 14 53 11-0043 | EA | 24" x 36" Aluminum Engineer Grade Traffic Sign | 136.67 | 22.41 |
| | | *For Hi-Intensity Grade, Add* | *27.56* | |
| | | *For Diamond Grade, Add* | *52.35* | |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-5.66* | |
| | | *For > 150 To 250, Deduct* | *-9.07* | |
| | | *For > 250, Deduct* | *-13.61* | |
| 10 14 53 11-0044 | EA | 24" x 42" Aluminum Engineer Grade Traffic Sign | 161.94 | 27.40 |
| | | *For Hi-Intensity Grade, Add* | *32.15* | |
| | | *For Diamond Grade, Add* | *61.08* | |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.79* | |
| | | *For > 150 To 250, Deduct* | *-10.84* | |
| | | *For > 250, Deduct* | *-16.25* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0045 | EA | 24" x 48" Aluminum Engineer Grade Traffic Sign | 177.25 | 27.40 |
| | | *For Hi-Intensity Grade, Add* | *36.74* | |
| | | *For Diamond Grade, Add* | *69.81* | |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-7.17* | |
| | | *For > 150 To 250, Deduct* | *-11.60* | |
| | | *For > 250, Deduct* | *-17.40* | |
| 10 14 53 11-0046 | EA | 24" x 54" Aluminum Engineer Grade Traffic Sign | 192.56 | 27.40 |
| | | *For Hi-Intensity Grade, Add* | *41.33* | |
| | | *For Diamond Grade, Add* | *78.53* | |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-7.55* | |
| | | *For > 150 To 250, Deduct* | *-12.37* | |
| | | *For > 250, Deduct* | *-18.55* | |
| 10 14 53 11-0047 | EA | 24" x 60" Aluminum Engineer Grade Traffic Sign | 207.86 | 27.40 |
| | | *For Hi-Intensity Grade, Add* | *45.92* | |
| | | *For Diamond Grade, Add* | *87.26* | |
| 10 14 53 11-0048 | EA | 30" x 30" Aluminum Engineer Grade Traffic Sign | 140.50 | 22.41 |
| | | *For Hi-Intensity Grade, Add* | *28.70* | |
| | | *For Diamond Grade, Add* | *54.54* | |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-5.75* | |
| | | *For > 150 To 250, Deduct* | *-9.27* | |
| | | *For > 250, Deduct* | *-13.90* | |
| 10 14 53 11-0049 | EA | 30" x 36" Aluminum Engineer Grade Traffic Sign | 169.59 | 27.40 |
| | | *For Hi-Intensity Grade, Add* | *34.44* | |
| | | *For Diamond Grade, Add* | *65.44* | |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.98* | |
| | | *For > 150 To 250, Deduct* | *-11.22* | |
| | | *For > 250, Deduct* | *-16.83* | |
| 10 14 53 11-0050 | EA | 30" x 42" Aluminum Engineer Grade Traffic Sign | 188.73 | 27.40 |
| | | *For Hi-Intensity Grade, Add* | *40.19* | |
| | | *For Diamond Grade, Add* | *76.35* | |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-7.46* | |
| | | *For > 150 To 250, Deduct* | *-12.18* | |
| | | *For > 250, Deduct* | *-18.26* | |
| 10 14 53 11-0051 | EA | 30" x 48" Aluminum Engineer Grade Traffic Sign | 217.82 | 32.37 |
| | | *For Hi-Intensity Grade, Add* | *45.92* | |
| | | *For Diamond Grade, Add* | *87.26* | |
| | | *For > 25 To 50, Deduct* | *-3.24* | |
| | | *For > 50 To 150, Deduct* | *-8.68* | |
| | | *For > 150 To 250, Deduct* | *-14.13* | |
| | | *For > 250, Deduct* | *-21.19* | |
| 10 14 53 11-0052 | EA | 30" x 60" Aluminum Engineer Grade Traffic Sign | 266.07 | 37.35 |
| | | *For Hi-Intensity Grade, Add* | *57.41* | |
| | | *For Diamond Grade, Add* | *109.08* | |
| | | *For > 25 To 50, Deduct* | *-3.74* | |
| | | *For > 50 To 150, Deduct* | *-10.39* | |
| | | *For > 150 To 250, Deduct* | *-17.04* | |
| | | *For > 250, Deduct* | *-25.56* | |
| 10 14 53 11-0053 | EA | 36" x 36" Aluminum Engineer Grade Traffic Sign | 192.56 | 27.40 |
| | | *For Hi-Intensity Grade, Add* | *41.33* | |
| | | *For Diamond Grade, Add* | *78.53* | |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-7.55* | |
| | | *For > 150 To 250, Deduct* | *-12.37* | |
| | | *For > 250, Deduct* | *-18.55* | |
| 10 14 53 11-0054 | EA | 36" x 42" Aluminum Engineer Grade Traffic Sign | 225.48 | 32.37 |
| | | *For Hi-Intensity Grade, Add* | *48.22* | |
| | | *For Diamond Grade, Add* | *91.62* | |
| | | *For > 25 To 50, Deduct* | *-3.24* | |
| | | *For > 50 To 150, Deduct* | *-8.87* | |
| | | *For > 150 To 250, Deduct* | *-14.51* | |
| | | *For > 250, Deduct* | *-21.77* | |
| 10 14 53 11-0055 | EA | 36" x 48" Aluminum Engineer Grade Traffic Sign | 258.41 | 37.35 |
| | | *For Hi-Intensity Grade, Add* | *55.11* | |
| | | *For Diamond Grade, Add* | *104.71* | |
| | | *For > 25 To 50, Deduct* | *-3.74* | |
| | | *For > 50 To 150, Deduct* | *-10.20* | |
| | | *For > 150 To 250, Deduct* | *-16.66* | |
| | | *For > 250, Deduct* | *-24.98* | |
| 10 14 53 11-0056 | EA | 36" x 54" Aluminum Engineer Grade Traffic Sign | 281.37 | 37.35 |
| | | *For Hi-Intensity Grade, Add* | *62.00* | |
| | | *For Diamond Grade, Add* | *117.80* | |
| | | *For > 25 To 50, Deduct* | *-3.74* | |
| | | *For > 50 To 150, Deduct* | *-10.77* | |
| | | *For > 150 To 250, Deduct* | *-17.80* | |
| | | *For > 250, Deduct* | *-26.71* | |
| 10 14 53 11-0057 | EA | 36" x 60" Aluminum Engineer Grade Traffic Sign | 314.30 | 42.33 |
| | | *For Hi-Intensity Grade, Add* | *68.89* | |
| | | *For Diamond Grade, Add* | *130.89* | |
| | | *For > 25 To 50, Deduct* | *-4.23* | |
| | | *For > 50 To 150, Deduct* | *-12.09* | |
| | | *For > 150 To 250, Deduct* | *-19.95* | |
| | | *For > 250, Deduct* | *-29.92* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0058 | EA | 36" x 73" Aluminum Engineer Grade Traffic Sign | 374.01 | 47.31 |
| | | *For Hi-Intensity Grade, Add* | *83.81* | |
| | | *For Diamond Grade, Add* | *159.25* | |
| | | *For > 25 To 50, Deduct* | *-4.73* | |
| | | *For > 50 To 150, Deduct* | *-14.08* | |
| | | *For > 150 To 250, Deduct* | *-23.43* | |
| | | *For > 250, Deduct* | *-35.15* | |
| 10 14 53 11-0059 | EA | 36" x 78" Aluminum Engineer Grade Traffic Sign | 393.15 | 47.31 |
| | | *For Hi-Intensity Grade, Add* | *89.56* | |
| | | *For Diamond Grade, Add* | *170.16* | |
| | | *For > 25 To 50, Deduct* | *-4.73* | |
| | | *For > 50 To 150, Deduct* | *-14.56* | |
| | | *For > 150 To 250, Deduct* | *-24.39* | |
| | | *For > 250, Deduct* | *-36.58* | |
| 10 14 53 11-0060 | EA | 36" x 108" Aluminum Engineer Grade Traffic Sign | 522.90 | 54.78 |
| | | *For Hi-Intensity Grade, Add* | *124.00* | |
| | | *For Diamond Grade, Add* | *235.60* | |
| | | *For > 25 To 50, Deduct* | *-5.48* | |
| | | *For > 50 To 150, Deduct* | *-18.55* | |
| | | *For > 150 To 250, Deduct* | *-31.62* | |
| | | *For > 250, Deduct* | *-47.44* | |
| 10 14 53 11-0061 | EA | 42" x 42" Aluminum Engineer Grade Traffic Sign | 262.24 | 37.35 |
| | | *For Hi-Intensity Grade, Add* | *56.26* | |
| | | *For Diamond Grade, Add* | *106.89* | |
| | | *For > 25 To 50, Deduct* | *-3.74* | |
| | | *For > 50 To 150, Deduct* | *-10.29* | |
| | | *For > 150 To 250, Deduct* | *-16.85* | |
| | | *For > 250, Deduct* | *-25.27* | |
| 10 14 53 11-0062 | EA | 48" x 48" Aluminum Engineer Grade Traffic Sign | 329.61 | 42.33 |
| | | *For Hi-Intensity Grade, Add* | *73.48* | |
| | | *For Diamond Grade, Add* | *139.62* | |
| | | *For > 25 To 50, Deduct* | *-4.23* | |
| | | *For > 50 To 150, Deduct* | *-12.47* | |
| | | *For > 150 To 250, Deduct* | *-20.71* | |
| | | *For > 250, Deduct* | *-31.07* | |
| 10 14 53 11-0063 | EA | 48" x 54" Aluminum Engineer Grade Traffic Sign | 370.18 | 47.31 |
| | | *For Hi-Intensity Grade, Add* | *82.67* | |
| | | *For Diamond Grade, Add* | *157.06* | |
| | | *For > 25 To 50, Deduct* | *-4.73* | |
| | | *For > 50 To 150, Deduct* | *-13.99* | |
| | | *For > 150 To 250, Deduct* | *-23.24* | |
| | | *For > 250, Deduct* | *-34.86* | |
| 10 14 53 11-0064 | EA | 48" x 60" Aluminum Engineer Grade Traffic Sign | 400.80 | 47.31 |
| | | *For Hi-Intensity Grade, Add* | *91.85* | |
| | | *For Diamond Grade, Add* | *174.52* | |
| | | *For > 25 To 50, Deduct* | *-4.73* | |
| | | *For > 50 To 150, Deduct* | *-14.75* | |
| | | *For > 150 To 250, Deduct* | *-24.77* | |
| | | *For > 250, Deduct* | *-37.16* | |
| 10 14 53 11-0065 | EA | 48" x 66" Aluminum Engineer Grade Traffic Sign | 446.36 | 54.78 |
| | | *For Hi-Intensity Grade, Add* | *101.04* | |
| | | *For Diamond Grade, Add* | *191.97* | |
| | | *For > 25 To 50, Deduct* | *-5.48* | |
| | | *For > 50 To 150, Deduct* | *-16.64* | |
| | | *For > 150 To 250, Deduct* | *-27.80* | |
| | | *For > 250, Deduct* | *-41.69* | |
| 10 14 53 11-0066 | EA | 48" x 72" Aluminum Engineer Grade Traffic Sign | 476.97 | 54.78 |
| | | *For Hi-Intensity Grade, Add* | *110.22* | |
| | | *For Diamond Grade, Add* | *209.42* | |
| | | *For > 25 To 50, Deduct* | *-5.48* | |
| | | *For > 50 To 150, Deduct* | *-17.40* | |
| | | *For > 150 To 250, Deduct* | *-29.33* | |
| | | *For > 250, Deduct* | *-43.99* | |
| 10 14 53 11-0067 | EA | 48" x 84" Aluminum Engineer Grade Traffic Sign | 548.17 | 59.77 |
| | | *For Hi-Intensity Grade, Add* | *128.59* | |
| | | *For Diamond Grade, Add* | *244.32* | |
| | | *For > 25 To 50, Deduct* | *-5.98* | |
| | | *For > 50 To 150, Deduct* | *-19.68* | |
| | | *For > 150 To 250, Deduct* | *-33.39* | |
| | | *For > 250, Deduct* | *-50.08* | |
| 10 14 53 11-0068 | EA | 48" x 96" Aluminum Engineer Grade Traffic Sign | 609.40 | 59.77 |
| | | *For Hi-Intensity Grade, Add* | *146.96* | |
| | | *For Diamond Grade, Add* | *279.23* | |
| | | *For > 25 To 50, Deduct* | *-5.98* | |
| | | *For > 50 To 150, Deduct* | *-21.21* | |
| | | *For > 150 To 250, Deduct* | *-36.45* | |
| | | *For > 250, Deduct* | *-54.67* | |
| 10 14 53 11-0069 | EA | 48" x 102" Aluminum Engineer Grade Traffic Sign | 640.02 | 59.77 |
| | | *For Hi-Intensity Grade, Add* | *156.15* | |
| | | *For Diamond Grade, Add* | *296.68* | |
| | | *For > 25 To 50, Deduct* | *-5.98* | |
| | | *For > 50 To 150, Deduct* | *-21.98* | |
| | | *For > 150 To 250, Deduct* | *-37.98* | |
| | | *For > 250, Deduct* | *-56.97* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0070 | EA | 48" x 108" Aluminum Engineer Grade Traffic Sign | 675.62 | 62.26 |
| | | *For Hi-Intensity Grade, Add* | *165.33* | |
| | | *For Diamond Grade, Add* | *314.13* | |
| | | *For > 25 To 50, Deduct* | *-6.23* | |
| | | *For > 50 To 150, Deduct* | *-23.12* | |
| | | *For > 150 To 250, Deduct* | *-40.01* | |
| | | *For > 250, Deduct* | *-60.01* | |
| 10 14 53 11-0071 | EA | 60" x 72" Aluminum Engineer Grade Traffic Sign | 578.78 | 59.77 |
| | | *For Hi-Intensity Grade, Add* | *137.78* | |
| | | *For Diamond Grade, Add* | *261.77* | |
| | | *For > 25 To 50, Deduct* | *-5.98* | |
| | | *For > 50 To 150, Deduct* | *-20.45* | |
| | | *For > 150 To 250, Deduct* | *-34.92* | |
| | | *For > 250, Deduct* | *-52.37* | |
| 10 14 53 11-0072 | EA | 72" x 144" Aluminum Engineer Grade Traffic Sign | 1,261.58 | 79.68 |
| | | *For Hi-Intensity Grade, Add* | *330.66* | |
| | | *For Diamond Grade, Add* | *628.26* | |
| 10 14 53 11-0073 | EA | 78" x 96" Aluminum Engineer Grade Traffic Sign | 920.55 | 62.26 |
| | | *For Hi-Intensity Grade, Add* | *238.81* | |
| | | *For Diamond Grade, Add* | *453.74* | |
| | | *For > 25 To 50, Deduct* | *-6.23* | |
| | | *For > 50 To 150, Deduct* | *-29.24* | |
| | | *For > 150 To 250, Deduct* | *-52.25* | |
| | | *For > 250, Deduct* | *-78.38* | |

## 10 14 53 11-0074 Polyethylene Engineer Grade Traffic Signs *(10 14 53 11-0020)*

| | | | | |
|---|---|---|---|---|
| 10 14 53 11-0075 | EA | 6" x 12" Reflective Polyethylene Traffic Sign | 79.83 | 18.73 |
| 10 14 53 11-0076 | EA | 12" x 12" Reflective Polyethylene Traffic Sign | 90.54 | 19.92 |
| 10 14 53 11-0077 | EA | 12" x 18" Reflective Polyethylene Traffic Sign | 96.90 | 21.22 |
| 10 14 53 11-0078 | EA | 18" x 18" Reflective Polyethylene Traffic Sign | 116.38 | 22.41 |
| 10 14 53 11-0079 | EA | 18" x 24" Reflective Polyethylene Traffic Sign | 142.80 | 23.70 |
| 10 14 53 11-0080 | EA | 24" x 24" Reflective Polyethylene Traffic Sign | 160.25 | 23.70 |

## 10 14 53 11-0081 Non-Reflectorized Traffic Signs *(10 14 53 11-0001)*

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

## 10 14 53 11-0082 Steel Non-Reflectorized Traffic Signs *(10 14 53 11-0081)*

| | | | | |
|---|---|---|---|---|
| 10 14 53 11-0083 | EA | 6" x 12" Steel Non-Reflectorized Traffic Sign | 45.89 | 19.92 |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.14* | |
| | | *For > 150 To 250, Deduct* | *-4.29* | |
| | | *For > 250, Deduct* | *-6.43* | |
| 10 14 53 11-0084 | EA | 6" x 18" Steel Non-Reflectorized Traffic Sign | 48.91 | 19.92 |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.22* | |
| | | *For > 150 To 250, Deduct* | *-4.44* | |
| | | *For > 250, Deduct* | *-6.66* | |
| 10 14 53 11-0085 | EA | 9" x 12" Steel Non-Reflectorized Traffic Sign | 48.91 | 19.92 |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.22* | |
| | | *For > 150 To 250, Deduct* | *-4.44* | |
| | | *For > 250, Deduct* | *-6.66* | |
| 10 14 53 11-0086 | EA | 9" x 15" Steel Non-Reflectorized Traffic Sign | 51.18 | 19.92 |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.27* | |
| | | *For > 150 To 250, Deduct* | *-4.55* | |
| | | *For > 250, Deduct* | *-6.83* | |
| 10 14 53 11-0087 | EA | 9" x 18" Steel Non-Reflectorized Traffic Sign | 53.44 | 19.92 |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.33* | |
| | | *For > 150 To 250, Deduct* | *-4.66* | |
| | | *For > 250, Deduct* | *-7.00* | |
| 10 14 53 11-0088 | EA | 9" x 24" Steel Non-Reflectorized Traffic Sign | 60.45 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.63* | |
| | | *For > 150 To 250, Deduct* | *-5.14* | |
| | | *For > 250, Deduct* | *-7.71* | |
| 10 14 53 11-0089 | EA | 9" x 48" Steel Non-Reflectorized Traffic Sign | 78.57 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-4.08* | |
| | | *For > 150 To 250, Deduct* | *-6.05* | |
| | | *For > 250, Deduct* | *-9.07* | |
| 10 14 53 11-0090 | EA | 12" x 12" Steel Non-Reflectorized Traffic Sign | 51.93 | 19.92 |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.29* | |
| | | *For > 150 To 250, Deduct* | *-4.59* | |
| | | *For > 250, Deduct* | *-6.88* | |
| 10 14 53 11-0091 | EA | 12" x 18" Steel Non-Reflectorized Traffic Sign | 60.45 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.63* | |
| | | *For > 150 To 250, Deduct* | *-5.14* | |
| | | *For > 250, Deduct* | *-7.71* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0092 | EA | 12" x 24" Steel Non-Reflectorized Traffic Sign | 66.49 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.78* | |
| | | *For > 150 To 250, Deduct* | *-5.44* | |
| | | *For > 250, Deduct* | *-8.16* | |
| 10 14 53 11-0093 | EA | 12" x 30" Steel Non-Reflectorized Traffic Sign | 72.53 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.93* | |
| | | *For > 150 To 250, Deduct* | *-5.74* | |
| | | *For > 250, Deduct* | *-8.61* | |
| 10 14 53 11-0094 | EA | 12" x 36" Steel Non-Reflectorized Traffic Sign | 78.57 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-4.08* | |
| | | *For > 150 To 250, Deduct* | *-6.05* | |
| | | *For > 250, Deduct* | *-9.07* | |
| 10 14 53 11-0095 | EA | 18" x 18" Steel Non-Reflectorized Traffic Sign | 69.51 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.85* | |
| | | *For > 150 To 250, Deduct* | *-5.59* | |
| | | *For > 250, Deduct* | *-8.39* | |
| 10 14 53 11-0096 | EA | 18" x 24" Steel Non-Reflectorized Traffic Sign | 78.57 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-4.08* | |
| | | *For > 150 To 250, Deduct* | *-6.05* | |
| | | *For > 250, Deduct* | *-9.07* | |
| 10 14 53 11-0097 | EA | 18" x 30" Steel Non-Reflectorized Traffic Sign | 90.12 | 22.41 |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-4.49* | |
| | | *For > 150 To 250, Deduct* | *-6.75* | |
| | | *For > 250, Deduct* | *-10.12* | |
| 10 14 53 11-0098 | EA | 18" x 36" Steel Non-Reflectorized Traffic Sign | 99.19 | 22.41 |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-4.72* | |
| | | *For > 150 To 250, Deduct* | *-7.20* | |
| | | *For > 250, Deduct* | *-10.80* | |
| 10 14 53 11-0099 | EA | 18" x 48" Steel Non-Reflectorized Traffic Sign | 127.27 | 27.40 |
| 10 14 53 11-0100 | EA | 18" x 54" Steel Non-Reflectorized Traffic Sign | 136.33 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.15* | |
| | | *For > 150 To 250, Deduct* | *-9.56* | |
| | | *For > 250, Deduct* | *-14.33* | |
| 10 14 53 11-0101 | EA | 24" x 24" Steel Non-Reflectorized Traffic Sign | 93.14 | 22.41 |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-4.57* | |
| | | *For > 150 To 250, Deduct* | *-6.90* | |
| | | *For > 250, Deduct* | *-10.35* | |
| 10 14 53 11-0102 | EA | 24" x 30" Steel Non-Reflectorized Traffic Sign | 105.23 | 22.41 |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-4.87* | |
| | | *For > 150 To 250, Deduct* | *-7.50* | |
| | | *For > 250, Deduct* | *-11.25* | |
| 10 14 53 11-0103 | EA | 24" x 36" Steel Non-Reflectorized Traffic Sign | 117.31 | 22.41 |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-5.17* | |
| | | *For > 150 To 250, Deduct* | *-8.11* | |
| | | *For > 250, Deduct* | *-12.16* | |
| 10 14 53 11-0104 | EA | 24" x 42" Steel Non-Reflectorized Traffic Sign | 139.35 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.22* | |
| | | *For > 150 To 250, Deduct* | *-9.71* | |
| | | *For > 250, Deduct* | *-14.56* | |
| 10 14 53 11-0105 | EA | 24" x 48" Steel Non-Reflectorized Traffic Sign | 151.43 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.52* | |
| | | *For > 150 To 250, Deduct* | *-10.31* | |
| | | *For > 250, Deduct* | *-15.47* | |
| 10 14 53 11-0106 | EA | 24" x 54" Steel Non-Reflectorized Traffic Sign | 163.51 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.83* | |
| | | *For > 150 To 250, Deduct* | *-10.91* | |
| | | *For > 250, Deduct* | *-16.37* | |
| 10 14 53 11-0107 | EA | 24" x 60" Steel Non-Reflectorized Traffic Sign | 175.59 | 27.40 |
| 10 14 53 11-0108 | EA | 30" x 30" Steel Non-Reflectorized Traffic Sign | 120.33 | 22.41 |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-5.25* | |
| | | *For > 150 To 250, Deduct* | *-8.26* | |
| | | *For > 250, Deduct* | *-12.39* | |
| 10 14 53 11-0109 | EA | 30" x 36" Steel Non-Reflectorized Traffic Sign | 145.39 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.37* | |
| | | *For > 150 To 250, Deduct* | *-10.01* | |
| | | *For > 250, Deduct* | *-15.01* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0110 | EA | 30" x 42" Steel Non-Reflectorized Traffic Sign | 160.49 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.75* | |
| | | *For > 150 To 250, Deduct* | *-10.76* | |
| | | *For > 250, Deduct* | *-16.15* | |
| 10 14 53 11-0111 | EA | 30" x 48" Steel Non-Reflectorized Traffic Sign | 185.55 | 32.37 |
| | | *For > 25 To 50, Deduct* | *-3.24* | |
| | | *For > 50 To 150, Deduct* | *-7.88* | |
| | | *For > 150 To 250, Deduct* | *-12.51* | |
| | | *For > 250, Deduct* | *-18.77* | |
| 10 14 53 11-0112 | EA | 30" x 60" Steel Non-Reflectorized Traffic Sign | 225.72 | 37.35 |
| | | *For > 25 To 50, Deduct* | *-3.74* | |
| | | *For > 50 To 150, Deduct* | *-9.38* | |
| | | *For > 150 To 250, Deduct* | *-15.02* | |
| | | *For > 250, Deduct* | *-22.53* | |
| 10 14 53 11-0113 | EA | 36" x 36" Steel Non-Reflectorized Traffic Sign | 163.51 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.83* | |
| | | *For > 150 To 250, Deduct* | *-10.91* | |
| | | *For > 250, Deduct* | *-16.37* | |
| 10 14 53 11-0114 | EA | 36" x 42" Steel Non-Reflectorized Traffic Sign | 191.59 | 32.37 |
| | | *For > 25 To 50, Deduct* | *-3.24* | |
| | | *For > 50 To 150, Deduct* | *-8.03* | |
| | | *For > 150 To 250, Deduct* | *-12.82* | |
| | | *For > 250, Deduct* | *-19.22* | |
| 10 14 53 11-0115 | EA | 36" x 48" Steel Non-Reflectorized Traffic Sign | 219.68 | 37.35 |
| | | *For > 25 To 50, Deduct* | *-3.74* | |
| | | *For > 50 To 150, Deduct* | *-9.23* | |
| | | *For > 150 To 250, Deduct* | *-14.72* | |
| | | *For > 250, Deduct* | *-22.08* | |
| 10 14 53 11-0116 | EA | 36" x 54" Steel Non-Reflectorized Traffic Sign | 237.81 | 37.35 |
| | | *For > 25 To 50, Deduct* | *-3.74* | |
| | | *For > 50 To 150, Deduct* | *-9.68* | |
| | | *For > 150 To 250, Deduct* | *-15.63* | |
| | | *For > 250, Deduct* | *-23.44* | |
| 10 14 53 11-0117 | EA | 36" x 60" Steel Non-Reflectorized Traffic Sign | 265.89 | 42.33 |
| | | *For > 25 To 50, Deduct* | *-4.23* | |
| | | *For > 50 To 150, Deduct* | *-10.88* | |
| | | *For > 150 To 250, Deduct* | *-17.53* | |
| | | *For > 250, Deduct* | *-26.29* | |
| 10 14 53 11-0118 | EA | 36" x 73" Steel Non-Reflectorized Traffic Sign | 315.11 | 47.31 |
| | | *For > 25 To 50, Deduct* | *-4.73* | |
| | | *For > 50 To 150, Deduct* | *-12.61* | |
| | | *For > 150 To 250, Deduct* | *-20.49* | |
| | | *For > 250, Deduct* | *-30.73* | |
| 10 14 53 11-0119 | EA | 36" x 78" Steel Non-Reflectorized Traffic Sign | 330.21 | 47.31 |
| | | *For > 25 To 50, Deduct* | *-4.73* | |
| | | *For > 50 To 150, Deduct* | *-12.99* | |
| | | *For > 150 To 250, Deduct* | *-21.24* | |
| | | *For > 250, Deduct* | *-31.86* | |
| 10 14 53 11-0120 | EA | 36" x 108" Steel Non-Reflectorized Traffic Sign | 435.76 | 54.78 |
| | | *For > 25 To 50, Deduct* | *-5.48* | |
| | | *For > 50 To 150, Deduct* | *-16.37* | |
| | | *For > 150 To 250, Deduct* | *-27.27* | |
| | | *For > 250, Deduct* | *-40.90* | |
| 10 14 53 11-0121 | EA | 42" x 42" Steel Non-Reflectorized Traffic Sign | 222.70 | 37.35 |
| | | *For > 25 To 50, Deduct* | *-3.74* | |
| | | *For > 50 To 150, Deduct* | *-9.30* | |
| | | *For > 150 To 250, Deduct* | *-14.87* | |
| | | *For > 250, Deduct* | *-22.31* | |
| 10 14 53 11-0122 | EA | 48" x 48" Steel Non-Reflectorized Traffic Sign | 277.97 | 42.33 |
| | | *For > 25 To 50, Deduct* | *-4.23* | |
| | | *For > 50 To 150, Deduct* | *-11.18* | |
| | | *For > 150 To 250, Deduct* | *-18.13* | |
| | | *For > 250, Deduct* | *-27.20* | |
| 10 14 53 11-0123 | EA | 48" x 54" Steel Non-Reflectorized Traffic Sign | 312.09 | 47.31 |
| | | *For > 25 To 50, Deduct* | *-4.73* | |
| | | *For > 50 To 150, Deduct* | *-12.53* | |
| | | *For > 150 To 250, Deduct* | *-20.34* | |
| | | *For > 250, Deduct* | *-30.50* | |
| 10 14 53 11-0124 | EA | 48" x 60" Steel Non-Reflectorized Traffic Sign | 336.25 | 47.31 |
| | | *For > 25 To 50, Deduct* | *-4.73* | |
| | | *For > 50 To 150, Deduct* | *-13.14* | |
| | | *For > 150 To 250, Deduct* | *-21.54* | |
| | | *For > 250, Deduct* | *-32.32* | |
| 10 14 53 11-0125 | EA | 48" x 66" Steel Non-Reflectorized Traffic Sign | 375.36 | 54.78 |
| | | *For > 25 To 50, Deduct* | *-5.48* | |
| | | *For > 50 To 150, Deduct* | *-14.86* | |
| | | *For > 150 To 250, Deduct* | *-24.25* | |
| | | *For > 250, Deduct* | *-36.37* | |
| 10 14 53 11-0126 | EA | 48" x 72" Steel Non-Reflectorized Traffic Sign | 399.52 | 54.78 |
| | | *For > 25 To 50, Deduct* | *-5.48* | |
| | | *For > 50 To 150, Deduct* | *-15.47* | |
| | | *For > 150 To 250, Deduct* | *-25.45* | |
| | | *For > 250, Deduct* | *-38.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0127 | EA | 48" x 84" Steel Non-Reflectorized Traffic Sign | 457.80 | 59.77 |
| | | *For > 25 To 50, Deduct* | *-5.98* | |
| | | *For > 50 To 150, Deduct* | *-17.42* | |
| | | *For > 150 To 250, Deduct* | *-28.87* | |
| | | *For > 250, Deduct* | *-43.30* | |
| 10 14 53 11-0128 | EA | 48" x 96" Steel Non-Reflectorized Traffic Sign | 506.13 | 59.77 |
| | | *For > 25 To 50, Deduct* | *-5.98* | |
| | | *For > 50 To 150, Deduct* | *-18.63* | |
| | | *For > 150 To 250, Deduct* | *-31.28* | |
| | | *For > 250, Deduct* | *-46.92* | |
| 10 14 53 11-0129 | EA | 48" x 102" Steel Non-Reflectorized Traffic Sign | 530.29 | 59.77 |
| | | *For > 25 To 50, Deduct* | *-5.98* | |
| | | *For > 50 To 150, Deduct* | *-19.23* | |
| | | *For > 150 To 250, Deduct* | *-32.49* | |
| | | *For > 250, Deduct* | *-48.74* | |
| 10 14 53 11-0130 | EA | 48" x 108" Steel Non-Reflectorized Traffic Sign | 559.43 | 62.26 |
| | | *For > 25 To 50, Deduct* | *-6.23* | |
| | | *For > 50 To 150, Deduct* | *-20.21* | |
| | | *For > 150 To 250, Deduct* | *-34.20* | |
| | | *For > 250, Deduct* | *-51.30* | |
| 10 14 53 11-0131 | EA | 60" x 72" Steel Non-Reflectorized Traffic Sign | 481.97 | 59.77 |
| | | *For > 25 To 50, Deduct* | *-5.98* | |
| | | *For > 50 To 150, Deduct* | *-18.03* | |
| | | *For > 150 To 250, Deduct* | *-30.08* | |
| | | *For > 250, Deduct* | *-45.11* | |
| 10 14 53 11-0132 | EA | 72" x 144" Steel Non-Reflectorized Traffic Sign | 1,029.21 | 79.68 |
| 10 14 53 11-0133 | EA | 78" x 96" Steel Non-Reflectorized Traffic Sign | 752.73 | 62.26 |
| | | *For > 25 To 50, Deduct* | *-6.23* | |
| | | *For > 50 To 150, Deduct* | *-25.04* | |
| | | *For > 150 To 250, Deduct* | *-43.86* | |
| | | *For > 250, Deduct* | *-65.79* | |

## 10 14 53 11-0134 Aluminum Non-Reflectorized Traffic Signs *(10 14 53 11-0081)*

| | | | | |
|---|---|---|---|---|
| 10 14 53 11-0135 | EA | 6" x 12" Aluminum Non-Reflectorized Traffic Sign | 46.14 | 19.92 |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.15* | |
| | | *For > 150 To 250, Deduct* | *-4.30* | |
| | | *For > 250, Deduct* | *-6.45* | |
| 10 14 53 11-0136 | EA | 6" x 18" Aluminum Non-Reflectorized Traffic Sign | 49.28 | 19.92 |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.22* | |
| | | *For > 150 To 250, Deduct* | *-4.46* | |
| | | *For > 250, Deduct* | *-6.68* | |
| 10 14 53 11-0137 | EA | 9" x 12" Aluminum Non-Reflectorized Traffic Sign | 49.28 | 19.92 |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.22* | |
| | | *For > 150 To 250, Deduct* | *-4.46* | |
| | | *For > 250, Deduct* | *-6.68* | |
| 10 14 53 11-0138 | EA | 9" x 15" Aluminum Non-Reflectorized Traffic Sign | 51.64 | 19.92 |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.28* | |
| | | *For > 150 To 250, Deduct* | *-4.57* | |
| | | *For > 250, Deduct* | *-6.86* | |
| 10 14 53 11-0139 | EA | 9" x 18" Aluminum Non-Reflectorized Traffic Sign | 54.00 | 19.92 |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.34* | |
| | | *For > 150 To 250, Deduct* | *-4.69* | |
| | | *For > 250, Deduct* | *-7.04* | |
| 10 14 53 11-0140 | EA | 9" x 24" Aluminum Non-Reflectorized Traffic Sign | 61.19 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.65* | |
| | | *For > 150 To 250, Deduct* | *-5.18* | |
| | | *For > 250, Deduct* | *-7.76* | |
| 10 14 53 11-0141 | EA | 9" x 48" Aluminum Non-Reflectorized Traffic Sign | 80.05 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-4.12* | |
| | | *For > 150 To 250, Deduct* | *-6.12* | |
| | | *For > 250, Deduct* | *-9.18* | |
| 10 14 53 11-0142 | EA | 12" x 12" Aluminum Non-Reflectorized Traffic Sign | 52.42 | 19.92 |
| | | *For > 25 To 50, Deduct* | *-1.99* | |
| | | *For > 50 To 150, Deduct* | *-3.30* | |
| | | *For > 150 To 250, Deduct* | *-4.61* | |
| | | *For > 250, Deduct* | *-6.92* | |
| 10 14 53 11-0143 | EA | 12" x 18" Aluminum Non-Reflectorized Traffic Sign | 61.19 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.65* | |
| | | *For > 150 To 250, Deduct* | *-5.18* | |
| | | *For > 250, Deduct* | *-7.76* | |
| 10 14 53 11-0144 | EA | 12" x 24" Aluminum Non-Reflectorized Traffic Sign | 67.48 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.80* | |
| | | *For > 150 To 250, Deduct* | *-5.49* | |
| | | *For > 250, Deduct* | *-8.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0145 | EA | 12" x 30" Aluminum Non-Reflectorized Traffic Sign | 73.76 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.96* | |
| | | *For > 150 To 250, Deduct* | *-5.80* | |
| | | *For > 250, Deduct* | *-8.71* | |
| 10 14 53 11-0146 | EA | 12" x 36" Aluminum Non-Reflectorized Traffic Sign | 80.05 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-4.12* | |
| | | *For > 150 To 250, Deduct* | *-6.12* | |
| | | *For > 250, Deduct* | *-9.18* | |
| 10 14 53 11-0147 | EA | 18" x 18" Aluminum Non-Reflectorized Traffic Sign | 70.62 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-3.88* | |
| | | *For > 150 To 250, Deduct* | *-5.65* | |
| | | *For > 250, Deduct* | *-8.47* | |
| 10 14 53 11-0148 | EA | 18" x 24" Aluminum Non-Reflectorized Traffic Sign | 80.05 | 21.17 |
| | | *For > 25 To 50, Deduct* | *-2.12* | |
| | | *For > 50 To 150, Deduct* | *-4.12* | |
| | | *For > 150 To 250, Deduct* | *-6.12* | |
| | | *For > 250, Deduct* | *-9.18* | |
| 10 14 53 11-0149 | EA | 18" x 30" Aluminum Non-Reflectorized Traffic Sign | 91.97 | 22.41 |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-4.54* | |
| | | *For > 150 To 250, Deduct* | *-6.84* | |
| | | *For > 250, Deduct* | *-10.26* | |
| 10 14 53 11-0150 | EA | 18" x 36" Aluminum Non-Reflectorized Traffic Sign | 101.40 | 22.41 |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-4.78* | |
| | | *For > 150 To 250, Deduct* | *-7.31* | |
| | | *For > 250, Deduct* | *-10.97* | |
| 10 14 53 11-0151 | EA | 18" x 48" Aluminum Non-Reflectorized Traffic Sign | 130.22 | 27.40 |
| 10 14 53 11-0152 | EA | 18" x 54" Aluminum Non-Reflectorized Traffic Sign | 139.65 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.23* | |
| | | *For > 150 To 250, Deduct* | *-9.72* | |
| | | *For > 250, Deduct* | *-14.58* | |
| 10 14 53 11-0153 | EA | 24" x 24" Aluminum Non-Reflectorized Traffic Sign | 95.11 | 22.41 |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-4.62* | |
| | | *For > 150 To 250, Deduct* | *-7.00* | |
| | | *For > 250, Deduct* | *-10.49* | |
| 10 14 53 11-0154 | EA | 24" x 30" Aluminum Non-Reflectorized Traffic Sign | 107.69 | 22.41 |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-4.93* | |
| | | *For > 150 To 250, Deduct* | *-7.63* | |
| | | *For > 250, Deduct* | *-11.44* | |
| 10 14 53 11-0155 | EA | 24" x 36" Aluminum Non-Reflectorized Traffic Sign | 120.26 | 22.41 |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-5.25* | |
| | | *For > 150 To 250, Deduct* | *-8.25* | |
| | | *For > 250, Deduct* | *-12.38* | |
| 10 14 53 11-0156 | EA | 24" x 42" Aluminum Non-Reflectorized Traffic Sign | 142.79 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.31* | |
| | | *For > 150 To 250, Deduct* | *-9.88* | |
| | | *For > 250, Deduct* | *-14.82* | |
| 10 14 53 11-0157 | EA | 24" x 48" Aluminum Non-Reflectorized Traffic Sign | 155.37 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.62* | |
| | | *For > 150 To 250, Deduct* | *-10.51* | |
| | | *For > 250, Deduct* | *-15.76* | |
| 10 14 53 11-0158 | EA | 24" x 54" Aluminum Non-Reflectorized Traffic Sign | 167.94 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.94* | |
| | | *For > 150 To 250, Deduct* | *-11.14* | |
| | | *For > 250, Deduct* | *-16.70* | |
| 10 14 53 11-0159 | EA | 24" x 60" Aluminum Non-Reflectorized Traffic Sign | 180.52 | 27.40 |
| 10 14 53 11-0160 | EA | 30" x 30" Aluminum Non-Reflectorized Traffic Sign | 123.40 | 22.41 |
| | | *For > 25 To 50, Deduct* | *-2.24* | |
| | | *For > 50 To 150, Deduct* | *-5.33* | |
| | | *For > 150 To 250, Deduct* | *-8.41* | |
| | | *For > 250, Deduct* | *-12.62* | |
| 10 14 53 11-0161 | EA | 30" x 36" Aluminum Non-Reflectorized Traffic Sign | 149.08 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.47* | |
| | | *For > 150 To 250, Deduct* | *-10.19* | |
| | | *For > 250, Deduct* | *-15.29* | |
| 10 14 53 11-0162 | EA | 30" x 42" Aluminum Non-Reflectorized Traffic Sign | 164.80 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.86* | |
| | | *For > 150 To 250, Deduct* | *-10.98* | |
| | | *For > 250, Deduct* | *-16.47* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0163 | EA | 30" x 48" Aluminum Non-Reflectorized Traffic Sign | 190.48 | 32.37 |
| | | *For > 25 To 50, Deduct* | *-3.24* | |
| | | *For > 50 To 150, Deduct* | *-8.00* | |
| | | *For > 150 To 250, Deduct* | *-12.76* | |
| | | *For > 250, Deduct* | *-19.14* | |
| 10 14 53 11-0164 | EA | 30" x 60" Aluminum Non-Reflectorized Traffic Sign | 231.88 | 37.35 |
| | | *For > 25 To 50, Deduct* | *-3.74* | |
| | | *For > 50 To 150, Deduct* | *-9.53* | |
| | | *For > 150 To 250, Deduct* | *-15.33* | |
| | | *For > 250, Deduct* | *-22.99* | |
| 10 14 53 11-0165 | EA | 36" x 36" Aluminum Non-Reflectorized Traffic Sign | 167.94 | 27.40 |
| | | *For > 25 To 50, Deduct* | *-2.74* | |
| | | *For > 50 To 150, Deduct* | *-6.94* | |
| | | *For > 150 To 250, Deduct* | *-11.14* | |
| | | *For > 250, Deduct* | *-16.70* | |
| 10 14 53 11-0166 | EA | 36" x 42" Aluminum Non-Reflectorized Traffic Sign | 196.76 | 32.37 |
| | | *For > 25 To 50, Deduct* | *-3.24* | |
| | | *For > 50 To 150, Deduct* | *-8.16* | |
| | | *For > 150 To 250, Deduct* | *-13.08* | |
| | | *For > 250, Deduct* | *-19.61* | |
| 10 14 53 11-0167 | EA | 36" x 48" Aluminum Non-Reflectorized Traffic Sign | 225.59 | 37.35 |
| | | *For > 25 To 50, Deduct* | *-3.74* | |
| | | *For > 50 To 150, Deduct* | *-9.38* | |
| | | *For > 150 To 250, Deduct* | *-15.02* | |
| | | *For > 250, Deduct* | *-22.52* | |
| 10 14 53 11-0168 | EA | 36" x 54" Aluminum Non-Reflectorized Traffic Sign | 244.45 | 37.35 |
| | | *For > 25 To 50, Deduct* | *-3.74* | |
| | | *For > 50 To 150, Deduct* | *-9.85* | |
| | | *For > 150 To 250, Deduct* | *-15.96* | |
| | | *For > 250, Deduct* | *-23.94* | |
| 10 14 53 11-0169 | EA | 36" x 60" Aluminum Non-Reflectorized Traffic Sign | 273.27 | 42.33 |
| | | *For > 25 To 50, Deduct* | *-4.23* | |
| | | *For > 50 To 150, Deduct* | *-11.07* | |
| | | *For > 150 To 250, Deduct* | *-17.90* | |
| | | *For > 250, Deduct* | *-26.85* | |
| 10 14 53 11-0170 | EA | 36" x 73" Aluminum Non-Reflectorized Traffic Sign | 324.10 | 47.31 |
| | | *For > 25 To 50, Deduct* | *-4.73* | |
| | | *For > 50 To 150, Deduct* | *-12.83* | |
| | | *For > 150 To 250, Deduct* | *-20.94* | |
| | | *For > 250, Deduct* | *-31.40* | |
| 10 14 53 11-0171 | EA | 36" x 78" Aluminum Non-Reflectorized Traffic Sign | 339.81 | 47.31 |
| | | *For > 25 To 50, Deduct* | *-4.73* | |
| | | *For > 50 To 150, Deduct* | *-13.23* | |
| | | *For > 150 To 250, Deduct* | *-21.72* | |
| | | *For > 250, Deduct* | *-32.58* | |
| 10 14 53 11-0172 | EA | 36" x 108" Aluminum Non-Reflectorized Traffic Sign | 449.05 | 54.78 |
| | | *For > 25 To 50, Deduct* | *-5.48* | |
| | | *For > 50 To 150, Deduct* | *-16.70* | |
| | | *For > 150 To 250, Deduct* | *-27.93* | |
| | | *For > 250, Deduct* | *-41.90* | |
| 10 14 53 11-0173 | EA | 42" x 42" Aluminum Non-Reflectorized Traffic Sign | 228.74 | 37.35 |
| | | *For > 25 To 50, Deduct* | *-3.74* | |
| | | *For > 50 To 150, Deduct* | *-9.45* | |
| | | *For > 150 To 250, Deduct* | *-15.17* | |
| | | *For > 250, Deduct* | *-22.76* | |
| 10 14 53 11-0174 | EA | 48" x 48" Aluminum Non-Reflectorized Traffic Sign | 285.85 | 42.33 |
| | | *For > 25 To 50, Deduct* | *-4.23* | |
| | | *For > 50 To 150, Deduct* | *-11.38* | |
| | | *For > 150 To 250, Deduct* | *-18.53* | |
| | | *For > 250, Deduct* | *-27.79* | |
| 10 14 53 11-0175 | EA | 48" x 54" Aluminum Non-Reflectorized Traffic Sign | 320.95 | 47.31 |
| | | *For > 25 To 50, Deduct* | *-4.73* | |
| | | *For > 50 To 150, Deduct* | *-12.76* | |
| | | *For > 150 To 250, Deduct* | *-20.78* | |
| | | *For > 250, Deduct* | *-31.17* | |
| 10 14 53 11-0176 | EA | 48" x 60" Aluminum Non-Reflectorized Traffic Sign | 346.10 | 47.31 |
| | | *For > 25 To 50, Deduct* | *-4.73* | |
| | | *For > 50 To 150, Deduct* | *-13.38* | |
| | | *For > 150 To 250, Deduct* | *-22.04* | |
| | | *For > 250, Deduct* | *-33.05* | |
| 10 14 53 11-0177 | EA | 48" x 66" Aluminum Non-Reflectorized Traffic Sign | 386.19 | 54.78 |
| | | *For > 25 To 50, Deduct* | *-5.48* | |
| | | *For > 50 To 150, Deduct* | *-15.13* | |
| | | *For > 150 To 250, Deduct* | *-24.79* | |
| | | *For > 250, Deduct* | *-37.18* | |
| 10 14 53 11-0178 | EA | 48" x 72" Aluminum Non-Reflectorized Traffic Sign | 411.33 | 54.78 |
| | | *For > 25 To 50, Deduct* | *-5.48* | |
| | | *For > 50 To 150, Deduct* | *-15.76* | |
| | | *For > 150 To 250, Deduct* | *-26.05* | |
| | | *For > 250, Deduct* | *-39.07* | |
| 10 14 53 11-0179 | EA | 48" x 84" Aluminum Non-Reflectorized Traffic Sign | 471.59 | 59.77 |
| | | *For > 25 To 50, Deduct* | *-5.98* | |
| | | *For > 50 To 150, Deduct* | *-17.77* | |
| | | *For > 150 To 250, Deduct* | *-29.56* | |
| | | *For > 250, Deduct* | *-44.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0180 | EA | 48" x 96" Aluminum Non-Reflectorized Traffic Sign | 521.88 | 59.77 |
| | | *For > 25 To 50, Deduct* | *-5.98* | |
| | | *For > 50 To 150, Deduct* | *-19.02* | |
| | | *For > 150 To 250, Deduct* | *-32.07* | |
| | | *For > 250, Deduct* | *-48.11* | |
| 10 14 53 11-0181 | EA | 48" x 102" Aluminum Non-Reflectorized Traffic Sign | 547.03 | 59.77 |
| | | *For > 25 To 50, Deduct* | *-5.98* | |
| | | *For > 50 To 150, Deduct* | *-19.65* | |
| | | *For > 150 To 250, Deduct* | *-33.33* | |
| | | *For > 250, Deduct* | *-49.99* | |
| 10 14 53 11-0182 | EA | 48" x 108" Aluminum Non-Reflectorized Traffic Sign | 577.16 | 62.26 |
| | | *For > 25 To 50, Deduct* | *-6.23* | |
| | | *For > 50 To 150, Deduct* | *-20.65* | |
| | | *For > 150 To 250, Deduct* | *-35.08* | |
| | | *For > 250, Deduct* | *-52.63* | |
| 10 14 53 11-0183 | EA | 60" x 72" Aluminum Non-Reflectorized Traffic Sign | 496.74 | 59.77 |
| | | *For > 25 To 50, Deduct* | *-5.98* | |
| | | *For > 50 To 150, Deduct* | *-18.40* | |
| | | *For > 150 To 250, Deduct* | *-30.81* | |
| | | *For > 250, Deduct* | *-46.22* | |
| 10 14 53 11-0184 | EA | 72" x 144" Aluminum Non-Reflectorized Traffic Sign | 1,064.66 | 79.68 |
| 10 14 53 11-0185 | EA | 78" x 96" Aluminum Non-Reflectorized Traffic Sign | 778.33 | 62.26 |
| | | *For > 25 To 50, Deduct* | *-6.23* | |
| | | *For > 50 To 150, Deduct* | *-25.68* | |
| | | *For > 150 To 250, Deduct* | *-45.14* | |
| | | *For > 250, Deduct* | *-67.71* | |
| **10 14 53 11-0186** | | **Polyethylene Non-Reflectorized Traffic Signs** *(10 14 53 11-0081)* | | |
| 10 14 53 11-0187 | EA | 6" x 12" Non-Reflective Polyethylene Traffic Sign | 67.85 | 18.73 |
| 10 14 53 11-0188 | EA | 12" x 12" Non-Reflective Polyethylene Traffic Sign | 74.12 | 19.92 |
| 10 14 53 11-0189 | EA | 12" x 18" Non-Reflective Polyethylene Traffic Sign | 79.77 | 21.22 |
| 10 14 53 11-0190 | EA | 18" x 18" Non-Reflective Polyethylene Traffic Sign | 104.14 | 22.41 |
| 10 14 53 11-0191 | EA | 18" x 24" Non-Reflective Polyethylene Traffic Sign | 111.54 | 23.70 |
| 10 14 53 11-0192 | EA | 24" x 24" Non-Reflective Polyethylene Traffic Sign | 129.02 | 24.90 |
| **10 14 53 11-0193** | | **Signs For Overhead Sign Structures** *(10 14 53 11-0001)* | | |
| | | Note: Including horizontal Z-bars. | | |
| 10 14 53 11-0194 | SF | From 30 To 360 SF Signs For Overhead Sign Structures | 25.00 | |
| | | *For Over 10' High, Add* | *13.00* | |
| 10 14 53 11-0195 | VLF | Vertical Sign Hangers For Overhead Sign Structures, Per Hanger | 32.50 | |
| | | Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware. | | |
| **10 14 53 11-0196** | | **Flashing Beacon** *(10 14 53 11-0001)* | | |
| 10 14 53 11-0197 | EA | Flashing Beacon Assembly | 1,380.57 | 202.03 |
| **10 14 53 11-0198** | | **Aluminum Street Signs** *(10 14 53 11-0001)* | | |
| | | Note: Excludes posts. | | |
| **10 14 53 11-0199** | | **Aluminum Engineer Grade Street Signs** *(10 14 53 11-0198)* | | |
| 10 14 53 11-0200 | EA | 6" High, Aluminum Engineer Grade Street Sign | 83.22 | 9.96 |
| | | *For Hi-Intensity Grade, Add* | *18.99* | |
| | | *For Diamond Grade, Add* | *36.08* | |
| | | *For > 25 To 50, Deduct* | *-1.00* | |
| | | *For > 50 To 150, Deduct* | *-3.08* | |
| | | *For > 150 To 250, Deduct* | *-5.16* | |
| | | *For > 250, Deduct* | *-7.74* | |
| 10 14 53 11-0201 | EA | 8" High, Aluminum Engineer Grade Street Sign | 94.39 | 9.96 |
| | | *For Hi-Intensity Grade, Add* | *22.34* | |
| | | *For Diamond Grade, Add* | *42.45* | |
| | | *For > 25 To 50, Deduct* | *-1.00* | |
| | | *For > 50 To 150, Deduct* | *-3.36* | |
| | | *For > 150 To 250, Deduct* | *-5.72* | |
| | | *For > 250, Deduct* | *-8.57* | |
| 10 14 53 11-0202 | EA | 9" High, Aluminum Engineer Grade Street Sign | 102.71 | 9.96 |
| | | *For Hi-Intensity Grade, Add* | *24.84* | |
| | | *For Diamond Grade, Add* | *47.19* | |
| | | *For > 25 To 50, Deduct* | *-1.00* | |
| | | *For > 50 To 150, Deduct* | *-3.56* | |
| | | *For > 150 To 250, Deduct* | *-6.13* | |
| | | *For > 250, Deduct* | *-9.20* | |
| **10 14 53 11-0203** | | **Street Sign Accessories** *(10 14 53 11-0198)* | | |
| 10 14 53 11-0204 | EA | Single Bracket And Post Cap For Street Sign | 25.19 | 4.98 |
| | | *For > 25 To 50, Deduct* | *-0.50* | |
| | | *For > 50 To 150, Deduct* | *-1.13* | |
| | | *For > 150 To 250, Deduct* | *-1.76* | |
| | | *For > 250, Deduct* | *-2.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0205 | EA | Double Bracket And Post Cap For Street Sign | 25.19 | 4.98 |
| | | *For > 25 To 50, Deduct* | *-0.50* | |
| | | *For > 50 To 150, Deduct* | *-1.13* | |
| | | *For > 150 To 250, Deduct* | *-1.76* | |
| | | *For > 250, Deduct* | *-2.64* | |

## 10 14 53 11-0206 Sign Posts *(10 14 53 11-0001)*

Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.

## 10 14 53 11-0207 U-Channel Sign Posts *(10 14 53 11-0206)*

Note: Excludes digging and concrete.

## 10 14 53 11-0208 Baked Enamel U-Channel Sign Posts *(10 14 53 11-0207)*

| | | | | |
|---|---|---|---|---|
| 10 14 53 11-0209 | EA | 3' To 4' Baked Enamel U-Channel Sign Post Base | 67.11 | 20.35 |
| | | *For > 25 To 50, Deduct* | *-2.03* | |
| | | *For > 50 To 150, Deduct* | *-3.71* | |
| | | *For > 150 To 250, Deduct* | *-5.39* | |
| | | *For > 250, Deduct* | *-8.09* | |
| 10 14 53 11-0210 | EA | 6' Baked Enamel U-Channel Sign Post | 88.02 | 25.43 |
| | | *For > 25 To 50, Deduct* | *-2.54* | |
| | | *For > 50 To 150, Deduct* | *-4.74* | |
| | | *For > 150 To 250, Deduct* | *-6.94* | |
| | | *For > 250, Deduct* | *-10.42* | |
| 10 14 53 11-0211 | EA | 7' Baked Enamel U-Channel Sign Post | 105.10 | 30.52 |
| | | *For > 25 To 50, Deduct* | *-3.05* | |
| | | *For > 50 To 150, Deduct* | *-5.68* | |
| | | *For > 150 To 250, Deduct* | *-8.31* | |
| | | *For > 250, Deduct* | *-12.46* | |
| 10 14 53 11-0212 | EA | 8' Baked Enamel U-Channel Sign Post | 123.05 | 35.60 |
| | | *For > 25 To 50, Deduct* | *-3.56* | |
| | | *For > 50 To 150, Deduct* | *-6.64* | |
| | | *For > 150 To 250, Deduct* | *-9.71* | |
| | | *For > 250, Deduct* | *-14.57* | |
| 10 14 53 11-0213 | EA | 10' Baked Enamel U-Channel Sign Post | 148.50 | 43.24 |
| | | *For > 25 To 50, Deduct* | *-4.32* | |
| | | *For > 50 To 150, Deduct* | *-8.04* | |
| | | *For > 150 To 250, Deduct* | *-11.75* | |
| | | *For > 250, Deduct* | *-17.62* | |
| 10 14 53 11-0214 | EA | 12' Baked Enamel U-Channel Sign Post | 152.73 | 43.24 |
| | | *For > 25 To 50, Deduct* | *-4.32* | |
| | | *For > 50 To 150, Deduct* | *-8.14* | |
| | | *For > 150 To 250, Deduct* | *-11.96* | |
| | | *For > 250, Deduct* | *-17.94* | |

## 10 14 53 11-0215 Galvanized Steel U-Channel Sign Posts *(10 14 53 11-0207)*

| | | | | |
|---|---|---|---|---|
| 10 14 53 11-0216 | EA | 3' To 4' Galvanized Steel U-Channel Sign Post Base | 72.55 | 20.35 |
| | | *For > 25 To 50, Deduct* | *-2.03* | |
| | | *For > 50 To 150, Deduct* | *-3.85* | |
| | | *For > 150 To 250, Deduct* | *-5.66* | |
| | | *For > 250, Deduct* | *-8.49* | |
| 10 14 53 11-0217 | EA | 6' Galvanized Steel U-Channel Sign Post | 96.66 | 25.43 |
| | | *For > 25 To 50, Deduct* | *-2.54* | |
| | | *For > 50 To 150, Deduct* | *-4.96* | |
| | | *For > 150 To 250, Deduct* | *-7.38* | |
| | | *For > 250, Deduct* | *-11.06* | |
| 10 14 53 11-0218 | EA | 7' Galvanized Steel U-Channel Sign Post | 124.65 | 30.52 |
| | | *For > 25 To 50, Deduct* | *-3.05* | |
| | | *For > 50 To 150, Deduct* | *-6.17* | |
| | | *For > 150 To 250, Deduct* | *-9.28* | |
| | | *For > 250, Deduct* | *-13.93* | |
| 10 14 53 11-0219 | EA | 8' Galvanized Steel U-Channel Sign Post | 144.66 | 35.60 |
| | | *For > 25 To 50, Deduct* | *-3.56* | |
| | | *For > 50 To 150, Deduct* | *-7.18* | |
| | | *For > 150 To 250, Deduct* | *-10.79* | |
| | | *For > 250, Deduct* | *-16.19* | |
| 10 14 53 11-0220 | EA | 10' Galvanized Steel U-Channel Sign Post | 164.23 | 43.24 |
| | | *For > 25 To 50, Deduct* | *-4.32* | |
| | | *For > 50 To 150, Deduct* | *-8.43* | |
| | | *For > 150 To 250, Deduct* | *-12.54* | |
| | | *For > 250, Deduct* | *-18.80* | |
| 10 14 53 11-0221 | EA | 12' Galvanized Steel U-Channel Sign Post | 166.42 | 43.24 |
| | | *For > 25 To 50, Deduct* | *-4.32* | |
| | | *For > 50 To 150, Deduct* | *-8.48* | |
| | | *For > 150 To 250, Deduct* | *-12.64* | |
| | | *For > 250, Deduct* | *-18.97* | |

## 10 14 53 11-0222 Fiberglass Or Composite Plastic U-Channel Sign Posts *(10 14 53 11-0207)*

| | | | | |
|---|---|---|---|---|
| 10 14 53 11-0223 | EA | 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base | 65.83 | 20.35 |
| | | *For > 25 To 50, Deduct* | *-2.03* | |
| | | *For > 50 To 150, Deduct* | *-3.68* | |
| | | *For > 150 To 250, Deduct* | *-5.33* | |
| | | *For > 250, Deduct* | *-7.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0224 | EA | 6' Fiberglass Or Composite Plastic U-Channel Sign Post | 85.23 | 25.43 |
| | | *For > 25 To 50, Deduct* | *-2.54* | |
| | | *For > 50 To 150, Deduct* | *-4.67* | |
| | | *For > 150 To 250, Deduct* | *-6.81* | |
| | | *For > 250, Deduct* | *-10.21* | |
| 10 14 53 11-0225 | EA | 7' Fiberglass Or Composite Plastic U-Channel Sign Post | 101.73 | 30.52 |
| | | *For > 25 To 50, Deduct* | *-3.05* | |
| | | *For > 50 To 150, Deduct* | *-5.60* | |
| | | *For > 150 To 250, Deduct* | *-8.14* | |
| | | *For > 250, Deduct* | *-12.21* | |
| 10 14 53 11-0226 | EA | 8' Fiberglass Or Composite Plastic U-Channel Sign Post | 119.03 | 35.60 |
| | | *For > 25 To 50, Deduct* | *-3.56* | |
| | | *For > 50 To 150, Deduct* | *-6.54* | |
| | | *For > 150 To 250, Deduct* | *-9.51* | |
| | | *For > 250, Deduct* | *-14.27* | |
| 10 14 53 11-0227 | EA | 10' Fiberglass Or Composite Plastic U-Channel Sign Post | 141.21 | 43.24 |
| | | *For > 25 To 50, Deduct* | *-4.32* | |
| | | *For > 50 To 150, Deduct* | *-7.85* | |
| | | *For > 150 To 250, Deduct* | *-11.38* | |
| | | *For > 250, Deduct* | *-17.08* | |
| 10 14 53 11-0228 | EA | 12' Fiberglass Or Composite Plastic U-Channel Sign Post | 148.41 | 43.24 |
| | | *For > 25 To 50, Deduct* | *-4.32* | |
| | | *For > 50 To 150, Deduct* | *-8.03* | |
| | | *For > 150 To 250, Deduct* | *-11.74* | |
| | | *For > 250, Deduct* | *-17.62* | |

## 10 14 53 11-0229 Tubular Sign Posts *(10 14 53 11-0206)*

Note: Excludes digging and concrete.

## 10 14 53 11-0230 2-3/8" Diameter, Galvanized Steel Tubular Sign Post *(10 14 53 11-0229)*

| | | | | |
|---|---|---|---|---|
| 10 14 53 11-0231 | EA | 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post | 97.56 | 25.43 |
| | | *For > 25 To 50, Deduct* | *-2.54* | |
| | | *For > 50 To 150, Deduct* | *-4.98* | |
| | | *For > 150 To 250, Deduct* | *-7.42* | |
| | | *For > 250, Deduct* | *-11.13* | |
| 10 14 53 11-0232 | EA | 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post | 115.78 | 30.52 |
| | | *For > 25 To 50, Deduct* | *-3.05* | |
| | | *For > 50 To 150, Deduct* | *-5.95* | |
| | | *For > 150 To 250, Deduct* | *-8.84* | |
| | | *For > 250, Deduct* | *-13.26* | |
| 10 14 53 11-0233 | EA | 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post | 136.74 | 35.60 |
| | | *For > 25 To 50, Deduct* | *-3.56* | |
| | | *For > 50 To 150, Deduct* | *-6.98* | |
| | | *For > 150 To 250, Deduct* | *-10.40* | |
| | | *For > 250, Deduct* | *-15.60* | |
| 10 14 53 11-0234 | EA | 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post | 176.05 | 43.24 |
| | | *For > 25 To 50, Deduct* | *-4.32* | |
| | | *For > 50 To 150, Deduct* | *-8.72* | |
| | | *For > 150 To 250, Deduct* | *-13.13* | |
| | | *For > 250, Deduct* | *-19.69* | |
| 10 14 53 11-0235 | EA | 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post | 190.89 | 43.24 |
| | | *For > 25 To 50, Deduct* | *-4.32* | |
| | | *For > 50 To 150, Deduct* | *-9.10* | |
| | | *For > 150 To 250, Deduct* | *-13.87* | |
| | | *For > 250, Deduct* | *-20.80* | |

## 10 14 53 11-0236 Square Sign Posts *(10 14 53 11-0206)*

Note: Excludes digging and concrete.

## 10 14 53 11-0237 Galvanized Steel Square Sign Posts *(10 14 53 11-0236)*

| | | | | |
|---|---|---|---|---|
| 10 14 53 11-0238 | EA | 3' To 4' Galvanized Steel Square Sign Post Base | 73.76 | 20.35 |
| | | *For > 25 To 50, Deduct* | *-2.03* | |
| | | *For > 50 To 150, Deduct* | *-3.88* | |
| | | *For > 150 To 250, Deduct* | *-5.72* | |
| | | *For > 250, Deduct* | *-8.58* | |
| 10 14 53 11-0239 | EA | 6' Galvanized Steel Square Sign Post | 117.13 | 25.43 |
| | | *For > 25 To 50, Deduct* | *-2.54* | |
| | | *For > 50 To 150, Deduct* | *-5.47* | |
| | | *For > 150 To 250, Deduct* | *-8.40* | |
| | | *For > 250, Deduct* | *-12.60* | |
| 10 14 53 11-0240 | EA | 7' Galvanized Steel Square Sign Post | 137.39 | 30.52 |
| | | *For > 25 To 50, Deduct* | *-3.05* | |
| | | *For > 50 To 150, Deduct* | *-6.49* | |
| | | *For > 150 To 250, Deduct* | *-9.92* | |
| | | *For > 250, Deduct* | *-14.88* | |
| 10 14 53 11-0241 | EA | 8' Galvanized Steel Square Sign Post | 160.25 | 35.60 |
| | | *For > 25 To 50, Deduct* | *-3.56* | |
| | | *For > 50 To 150, Deduct* | *-7.57* | |
| | | *For > 150 To 250, Deduct* | *-11.57* | |
| | | *For > 250, Deduct* | *-17.36* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0242 | EA | 10' Galvanized Steel Square Sign Post | 195.67 | 43.24 |
| | | *For > 25 To 50, Deduct* | *-4.32* | |
| | | *For > 50 To 150, Deduct* | *-9.22* | |
| | | *For > 150 To 250, Deduct* | *-14.11* | |
| | | *For > 250, Deduct* | *-21.16* | |
| 10 14 53 11-0243 | EA | 12' Galvanized Steel Square Sign Post | 206.03 | 43.24 |
| | | *For > 25 To 50, Deduct* | *-4.32* | |
| | | *For > 50 To 150, Deduct* | *-9.47* | |
| | | *For > 150 To 250, Deduct* | *-14.63* | |
| | | *For > 250, Deduct* | *-21.94* | |
| 10 14 53 11-0244 | | Standard Driven Street Sign Posts, Square *(10 14 53 11-0236)* | | |
| 10 14 53 11-0245 | EA | 12' x 2" Square 12 Gauge Galvanized Steel Sign Post With 1'-6" x 2-1/2" Square Sleeve And 2'-6" x 2-1/4" Square Anchor Driven Into Earth | 245.65 | 43.24 |
| 10 14 53 11-0246 | | Other Sign Posts And Bases *(10 14 53 11-0001)* | | |
| | | Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. | | |
| 10 14 53 11-0247 | | 2.5 Lb./FT Breakaway Sign Posts And Base Posts *(10 14 53 11-0246)* | | |
| 10 14 53 11-0248 | | Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts *(10 14 53 11-0247)* | | |
| 10 14 53 11-0249 | EA | Base Post for 2.5 Lb./LF Breakaway Sign Post | 101.52 | 24.90 |
| 10 14 53 11-0250 | EA | Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post | 61.67 | 19.92 |
| 10 14 53 11-0251 | | Breakaway Sign Posts, 2.5 Lb./LF *(10 14 53 11-0247)* | | |
| 10 14 53 11-0252 | LF | 2.5 Lb./LF Breakaway Sign Post | 12.79 | 2.49 |
| 10 14 53 11-0253 | | 4 Lb./FT Breakaway Sign Posts And Base Posts *(10 14 53 11-0246)* | | |
| 10 14 53 11-0254 | | Base Posts, 4 Lb./LF, For Breakaway Sign Posts *(10 14 53 11-0253)* | | |
| 10 14 53 11-0255 | EA | Base Post For 4 Lb./LF Breakaway Sign Post | 106.16 | 29.88 |
| 10 14 53 11-0256 | EA | Lap Splice Hardware for 4 Lb./LF Breakaway Sign Post | 61.67 | 19.92 |
| 10 14 53 11-0257 | | Breakaway Sign Posts, 4 Lb./LF *(10 14 53 11-0253)* | | |
| 10 14 53 11-0258 | LF | 4 Lb./LF Breakaway Sign Post | 15.67 | 2.49 |
| 10 14 53 11-0259 | | Driven Sign Posts *(10 14 53 11-0246)* | | |
| 10 14 53 11-0260 | | Driven Posts, 2.5 Lb./LF *(10 14 53 11-0259)* | | |
| 10 14 53 11-0261 | LF | 2.5 Lb./LF Driven Post | 13.79 | 3.49 |
| 10 14 53 11-0262 | | Driven Posts, 4 Lb./LF *(10 14 53 11-0259)* | | |
| 10 14 53 11-0263 | LF | 4 Lb./LF Driven Post | 17.16 | 3.98 |
| 10 14 53 11-0264 | | Omni-Directional Breakaway System For Sign Posts And Light Poles *(10 14 53 11-0246)* | | |
| 10 14 53 11-0265 | | Omni-Directional Breakaway Systems For Signs *(10 14 53 11-0264)* | | |
| | | Note: Break-Safe as manufactured by Tramspo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling. | | |
| 10 14 53 11-0266 | EA | Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525) | 1,478.31 | |
| 10 14 53 11-0267 | EA | Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650) | 1,575.12 | |
| 10 14 53 11-0268 | EA | Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6) | 1,079.87 | |
| 10 14 53 11-0269 | EA | Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5) | 945.82 | |
| 10 14 53 11-0270 | EA | Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4) | 1,072.42 | |
| 10 14 53 11-0271 | EA | Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6) | 1,020.29 | |
| 10 14 53 11-0272 | EA | Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6) | 1,105.94 | |
| 10 14 53 11-0273 | | Omni-Directional Breakaway Systems For Poles *(10 14 53 11-0264)* | | |
| | | Note: Pole-Safe as Manufactured by Tramspo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles. | | |
| 10 14 53 11-0274 | EA | Omni-Directional Breakaway System For Poles With 5/8" Couplings | 500.68 | |
| 10 14 53 11-0275 | EA | Omni-Directional Breakaway System For Poles With 3/4" Couplings | 524.91 | |
| 10 14 53 11-0276 | EA | Omni-Directional Breakaway System For Poles With 1" Couplings | 545.10 | |
| 10 14 53 11-0277 | EA | Omni-Directional Breakaway System For Poles With 1 1/4" Couplings | 827.73 | |
| 10 14 53 11-0278 | EA | Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15" | 72.68 | |
| 10 14 53 11-0279 | EA | Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20" | 96.91 | |
| 10 14 53 11-0280 | | Sign Post Accessories *(10 14 53 11-0001)* | | |
| 10 14 53 11-0281 | | Sign Post Brackets *(10 14 53 11-0280)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 53 11-0282 | EA | 2-3/8" Outside Diameter, Single Side Sign Bracket Set<br>Note: Includes 2 single side signpost brackets | 49.58 | 7.47 |
| | | *For > 25 To 50, Deduct* | *-0.75* | |
| | | *For > 50 To 150, Deduct* | *-1.99* | |
| | | *For > 150 To 250, Deduct* | *-3.23* | |
| | | *For > 250, Deduct* | *-4.84* | |
| 10 14 53 11-0283 | EA | 2-3/8" Outside Diameter, Double Side Sign Bracket Set<br>Note: Includes 2 double side signpost brackets | 66.53 | 12.45 |
| | | *For > 25 To 50, Deduct* | *-1.25* | |
| | | *For > 50 To 150, Deduct* | *-2.91* | |
| | | *For > 150 To 250, Deduct* | *-4.57* | |
| | | *For > 250, Deduct* | *-6.86* | |
| 10 14 53 11-0284 | EA | 4" To 12" Diameter, Buckle Bracket Set<br>Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware | 60.04 | 9.96 |
| | | *For > 25 To 50, Deduct* | *-1.00* | |
| | | *For > 50 To 150, Deduct* | *-2.50* | |
| | | *For > 150 To 250, Deduct* | *-4.00* | |
| | | *For > 250, Deduct* | *-6.00* | |
| **10 14 53 11-0285** | | **Sign Post Caps** *(10 14 53 11-0280)* | | |
| 10 14 53 11-0286 | EA | 2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2) | 22.88 | 4.98 |
| | | *For > 25 To 50, Deduct* | *-0.50* | |
| | | *For > 50 To 150, Deduct* | *-1.07* | |
| | | *For > 150 To 250, Deduct* | *-1.64* | |
| | | *For > 250, Deduct* | *-2.46* | |
| **10 14 53 11-0287** | | **Sign Post Replacement Bolts** *(10 14 53 11-0280)* | | |
| 10 14 53 11-0288 | EA | Signage Fasteners Replacement<br>Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers | 16.15 | |
| | | *For > 25 To 50, Deduct* | *-0.50* | |
| | | *For > 50 To 150, Deduct* | *-0.90* | |
| | | *For > 150 To 250, Deduct* | *-1.31* | |
| | | *For > 250, Deduct* | *-1.96* | |
| **10 14 53 11-0289** | | **Removal Of Signs** *(10 14 53 11)*<br>Note: Includes structural supports. | | |
| 10 14 53 11-0290 | EA | >4 To 10 SF Sign Area, Sign Removal | 199.21 | |
| 10 14 53 11-0291 | EA | >10 To 20 SF Sign Area, Sign Removal | 478.11 | |
| 10 14 53 11-0292 | EA | >20 To 40 SF Sign Area, Sign Removal | 717.16 | |
| 10 14 53 11-0293 | EA | >40 To 100 SF Sign Area, Sign Removal | 1,145.71 | |
| **10 14 53 11-0294** | | **Removal And Reinstallation Of Signs** *(10 14 53 11)*<br>Note: Includes structural supports. | | |
| 10 14 53 11-0295 | EA | >4 To 10 SF Sign Area, Removal And Reinstallation Of Sign | 303.57 | |
| 10 14 53 11-0296 | EA | >10 To 20 SF Sign Area, Removal And Reinstallation Of Sign | 720.55 | |
| 10 14 53 11-0297 | EA | >20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign | 1,078.63 | |
| 10 14 53 11-0298 | EA | >40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign | 1,721.24 | |
| 10 14 53 11-0299 | EA | Removal And Reinstallation Of Street Sign On Post | 114.55 | |
| 10 14 53 11-0300 | EA | Removal And Relocation Of Traffic Light<br>Note: Excludes electrical hookup. | 406.27 | |
| **10 14 56** | | **Bridge Signage** *(10 14)* | | |
| **10 14 56 00-0001** | | **Bridge And Truss Mounted Signs** *(10 14 56)* | | |
| **10 14 56 00-0002** | | **Removal Of Bridge And Truss Mounted Signs** *(10 14 56 00-0001)* | | |
| 10 14 56 00-0003 | CF | Removal Of Foundation<br>Note: Including Excavation | 18.37 | |
| 10 14 56 00-0004 | LF | Removal Of Truss And Supports | 233.27 | |
| 10 14 56 00-0005 | SF | Removal Of Sign Face | 10.67 | |
| 10 14 56 00-0006 | SF | Removal Of Legend | 17.78 | |
| 10 14 56 00-0007 | EA | Removal Of Changeable Message Panel | 205.07 | |
| 10 14 56 00-0008 | EA | Removal Of Posts And Supports, Per Post | 106.63 | |
| **10 14 56 00-0009** | | **Fabricate And Install Bridge And Truss Mounted Signs** *(10 14 56 00-0001)* | | |
| 10 14 56 00-0010 | CY | Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish | 604.40 | |
| 10 14 56 00-0011 | LF | Telescoping Steel Ground Posts | 99.42 | |
| 10 14 56 00-0012 | LF | Overhead Steel Mounting Framework | 1,742.47 | |
| 10 14 56 00-0013 | LB | Ground Mounted Steel Structure | 6.89 | |
| **10 14 56 00-0014** | | **Fabricate And Install New 12" Extruded Aluminum Channel** *(10 14 56 00-0001)*<br>Note: Includes reflective face with reflective legend. | | |
| 10 14 56 00-0015 | SF | 1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend | 131.73 | |
| 10 14 56 00-0016 | SF | 50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend | 117.48 | |
| 10 14 56 00-0017 | SF | 100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend | 105.08 | |
| 10 14 56 00-0018 | SF | >150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend | 94.44 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 14 56 00-0019 | | Fabricate And Install New Reflective Messages On Sign Face *(10 14 56 00-0001)* | | |
| 10 14 56 00-0020 | | One Color/3 Dimensional Demountable Letters *(10 14 56 00-0019)* | | |
| 10 14 56 00-0021 | EA | 6" Capital Height Letter | 31.79 | |
| 10 14 56 00-0022 | EA | 8" Capital Height Letter | 37.42 | |
| 10 14 56 00-0023 | EA | 10" Capital Height Letter | 43.02 | |
| 10 14 56 00-0024 | EA | 12" Capital Height Letter | 48.05 | |
| 10 14 56 00-0025 | EA | 14" Capital Height Letter | 50.86 | |
| 10 14 56 00-0026 | | Two Color Legend Shields-Die Cut Vinyl Engineer Grade *(10 14 56 00-0019)* | | |
| 10 14 56 00-0027 | EA | 6" Legend/Shields | 32.74 | |
| 10 14 56 00-0028 | EA | 8" Legend/Shields | 38.69 | |
| 10 14 56 00-0029 | EA | 10" Legend/Shields | 44.60 | |
| 10 14 56 00-0030 | EA | 12" Legend/Shields | 49.94 | |
| 10 14 56 00-0031 | EA | 14" Legend/Shields | 53.10 | |
| 10 14 56 00-0032 | | Fabricate And Install New Changeable Message Panel *(10 14 56 00-0001)* | | |
| 10 14 56 00-0033 | SF | One Color Hi-Intensity Die Cut Vinyl Letters on Demountable Panel | 38.05 | |

### 10 14 63 Electronic Message Signage *(10 14)*

| | | | | |
|---|---|---|---|---|
| 10 14 63 00-0001 | | Dynamic Signs *(10 14 63)* | | |
| 10 14 63 00-0002 | | Programming/Software And Repair *(10 14 63 00-0001)* | | |
| 10 14 63 00-0003 | HR | Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen | 200.48 | |
| 10 14 63 00-0004 | HR | Repair/Replacement Of Electronic Sign And Computer Components | 125.30 | |
| 10 14 63 00-0005 | HR | Repair Flip Disks Or Light Source | 125.30 | |
| 10 14 63 00-0006 | | Fabricate And Install New Sign Cabinets *(10 14 63 00-0001)* | | |
| 10 14 63 00-0007 | | Cabinet For Flip Disk Display *(10 14 63 00-0006)* | | |
| 10 14 63 00-0008 | SF | 1 To 99 SF Cabinet | 222.89 | |
| 10 14 63 00-0009 | SF | 100 To 200 SF Cabinet | 182.31 | |
| 10 14 63 00-0010 | | Fabricate And Install New Sign Face Components *(10 14 63 00-0001)* | | |
| 10 14 63 00-0011 | | Enhanced Flip Disk Display *(10 14 63 00-0010)* | | |
| 10 14 63 00-0012 | EA | Enhanced Flip Disk | 156.57 | |
| 10 14 63 00-0013 | SF | Lexan Lens For Flip Disk Sign | 62.08 | |
| 10 14 63 00-0014 | | Disappearing Copy Sign *(10 14 63 00-0010)* | | |
| 10 14 63 00-0015 | SF | 1 To 49.9 SF, Disappearing Copy Sign | 44.94 | |
| 10 14 63 00-0016 | SF | =>50 SF, Disappearing Copy Sign | 32.38 | |
| 10 14 63 00-0017 | | Fabricate And Install Transfer Lights And Signs *(10 14 63 00-0001)* | | |
| 10 14 63 00-0018 | EA | Passenger Transfer Signage | 618.60 | |

# 10 20 Interior Specialties *(10)*

## 10 21 Compartments and Cubicles *(10 20)*

### 10 21 13 Toilet Compartments *(10 21)*

#### 10 21 13 13 Metal Toilet Compartments *(10 21 13)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 13-0001 | | Enamel Coated Steel Toilet Partitions And Urinal Screens *(10 21 13 13)*<br>Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating. | | |
| 10 21 13 13-0002 | | Enamel Coated Steel Toilet Partitions *(10 21 13 13-0001)*<br>Note: All colors. | | |
| 10 21 13 13-0003 | | Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)* | | |
| 10 21 13 13-0004 | EA | 36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition | 1,080.21 | 124.17 |
| | | *For >10, Deduct* | *-83.19* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 13-0005 | EA | 60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition | 1,309.75 | 135.21 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 13-0006 | EA | 60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition | 1,399.66 | 140.73 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| **10 21 13 13-0007** | | **Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)* | | |
| | | Note: Includes head rail. | | |
| 10 21 13 13-0008 | EA | 36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition | 1,119.59 | 151.77 |
| | | *For >10, Deduct* | *-81.61* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 13-0009 | EA | 60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition | 1,303.69 | 162.81 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 13-0010 | EA | 60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition | 1,378.96 | 168.33 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| **10 21 13 13-0011** | | **Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)* | | |
| | | Note: Excludes above ceiling steel. | | |
| 10 21 13 13-0012 | EA | 36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition | 1,321.37 | 179.37 |
| | | *For >10, Deduct* | *-96.26* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 13-0013 | EA | 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition | 1,544.77 | 190.41 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 13-0014 | EA | 60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition | 1,623.45 | 195.92 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| **10 21 13 13-0015** | | **Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)* | | |
| | | Note: Excludes above ceiling steel. | | |
| 10 21 13 13-0016 | EA | 36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition | 1,269.48 | 206.96 |
| | | *For >10, Deduct* | *-85.56* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 13-0017 | EA | 60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 1,530.65 | 218.00 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 13-0018 | EA | 60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 1,618.26 | 223.52 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| **10 21 13 13-0019** | | **Enamel Coated Steel Urinal Screens** *(10 21 13 13-0001)* | | |
| | | Note: All colors. | | |
| **10 21 13 13-0020** | | **Floor Anchored, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)* | | |
| 10 21 13 13-0021 | EA | 24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen | 569.40 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0022 | EA | 36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen | 631.81 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0023 | EA | 48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen | 696.19 | 88.27 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| **10 21 13 13-0024** | | **Wall Hung, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)* | | |
| 10 21 13 13-0025 | EA | 18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen | 318.13 | 66.20 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0026 | EA | 24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen | 343.01 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0027 | EA | 30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen | 361.93 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| **10 21 13 13-0028** | | **Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)* | | |
| 10 21 13 13-0029 | EA | 18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen | 414.05 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| **10 21 13 13-0030** | | **Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)* | | |
| 10 21 13 13-0031 | EA | 18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen | 465.50 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0032 | EA | 24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen | 496.29 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0033 | EA | 30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen | 527.09 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 10 21 13 13-0034 Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 13-0035 | EA | 22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen | 525.93 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0036 | EA | 34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen | 564.63 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0037 | EA | 46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen | 625.07 | 88.27 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

### 10 21 13 13-0038 Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 13-0001)*

Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

### 10 21 13 13-0039 Enamel Coated Steel, Toilet Partition Doors *(10 21 13 13-0038)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 13-0040 | EA | 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door | 344.49 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 13-0041 | EA | 26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door | 352.39 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 13-0042 | EA | 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door | 373.48 | 23.74 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 13-0043 | EA | 34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door | 409.05 | 23.74 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 13-0044 | EA | 36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door | 416.95 | 23.74 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |

### 10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels *(10 21 13 13-0038)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 13-0046 | EA | 6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 244.06 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0047 | EA | 12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 269.34 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0048 | EA | 18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 294.62 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0049 | EA | 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 319.90 | 41.39 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0050 | EA | 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 345.18 | 44.15 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0051 | EA | 36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 370.45 | 46.91 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0052 | EA | 42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 393.75 | 49.67 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0053 | EA | 48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 419.03 | 52.43 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0054 | EA | 55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 436.40 | 55.19 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0055 | EA | 58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 446.51 | 56.29 |
| | | *For Panel Reinforced At ADA Grab Bar, Add* | *42.00* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0056 | EA | 60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 459.71 | 57.95 |
| | | *For Panel Reinforced At ADA Grab Bar, Add* | *42.00* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0057 | EA | 70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 502.77 | 60.71 |
| | | *For Panel Reinforced At ADA Grab Bar, Add* | *42.00* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0058 | EA | 78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel | 539.89 | 63.47 |
| | | *For Panel Reinforced At ADA Grab Bar, Add* | *42.00* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

### 10 21 13 13-0059 70" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 13-0060 | EA | Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 187.23 | 16.56 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0061 | EA | 5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 206.58 | 19.31 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0062 | EA | 6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 227.91 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0063 | EA | 8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 265.04 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0064 | EA | 10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 300.20 | 27.59 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0065 | EA | 12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 335.36 | 30.35 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0066 | EA | 18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 433.75 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0067 | EA | 22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 498.54 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0068 | EA | 24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 535.68 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

### 10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 13-0070 | EA | Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 149.69 | 16.56 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 13-0071 | EA | 5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 163.11 | 19.31 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0072 | EA | 6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 178.51 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0073 | EA | 8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 201.81 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0074 | EA | 10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 223.14 | 27.59 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0075 | EA | 12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 246.44 | 30.35 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0076 | EA | 18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 305.31 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0077 | EA | 22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 344.42 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0078 | EA | 24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 367.73 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

### 10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters *(10 21 13 13-0038)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 13-0080 | EA | Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 208.15 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0081 | EA | 5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 227.50 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0082 | EA | 6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 248.83 | 27.59 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0083 | EA | 8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 285.96 | 30.35 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0084 | EA | 10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 321.12 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0085 | EA | 12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 356.28 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0086 | EA | 18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 454.67 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0087 | EA | 22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 519.46 | 41.39 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 13-0088 | EA | 24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster | 556.60 | 44.15 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

## 10 21 13 14 Stainless-Steel Toilet Compartments *(10 21 13)*

### 10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 14)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.

### 10 21 13 14-0002 Stainless Steel Toilet Partitions *(10 21 13 14-0001)*

### 10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 14-0004 | EA | 36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition | 2,414.56 | 124.17 |
| | | *For >10, Deduct* | *-216.62* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For Diamond Pattern Finish, Add* | *758.17* | |
| 10 21 13 14-0005 | EA | 60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,917.05 | 135.21 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For Diamond Pattern Finish, Add* | *926.32* | |
| 10 21 13 14-0006 | EA | 60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,055.40 | 140.73 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For Diamond Pattern Finish, Add* | *970.88* | |

### 10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Includes head rail.

| | | | | |
|---|---|---|---|---|
| 10 21 13 14-0008 | EA | 36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition | 2,039.32 | 151.77 |
| | | *For >10, Deduct* | *-173.58* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For Diamond Pattern Finish, Add* | *607.52* | |
| 10 21 13 14-0009 | EA | 60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,484.71 | 162.81 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For Diamond Pattern Finish, Add* | *755.68* | |
| 10 21 13 14-0010 | EA | 60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,708.57 | 168.33 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For Diamond Pattern Finish, Add* | *830.17* | |

### 10 21 13 14-0011 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 14-0012 | EA | 36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition | 2,828.08 | 179.37 |
| | | *For >10, Deduct* | *-246.94* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For Diamond Pattern Finish, Add* | *864.27* | |
| 10 21 13 14-0013 | EA | 60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,033.44 | 190.41 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For Diamond Pattern Finish, Add* | *928.42* | |
| 10 21 13 14-0014 | EA | 60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,175.86 | 195.92 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For Diamond Pattern Finish, Add* | *974.40* | |

### 10 21 13 14-0015 Ceiling Hung, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

| | | | | |
|---|---|---|---|---|
| 10 21 13 14-0016 | EA | 36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition | 2,828.08 | 206.96 |
| | | *For >10, Deduct* | *-241.42* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For Diamond Pattern Finish, Add* | *844.96* | |
| 10 21 13 14-0017 | EA | 60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,445.95 | 218.00 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For Diamond Pattern Finish, Add* | *1,053.48* | |
| 10 21 13 14-0018 | EA | 60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,624.11 | 223.52 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For Diamond Pattern Finish, Add* | *1,111.98* | |

### 10 21 13 14-0019 Stainless Steel Urinal Screens *(10 21 13 14-0001)*

### 10 21 13 14-0020 Floor Anchored, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 14-0021 | EA | 24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen | 793.08 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *223.52* | |
| 10 21 13 14-0022 | EA | 36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen | 898.22 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *256.45* | |
| 10 21 13 14-0023 | EA | 48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen | 916.96 | 88.27 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *259.15* | |

### 10 21 13 14-0024 Wall Hung, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 14-0025 | EA | 18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen | 585.46 | 66.20 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *158.57* | |
| 10 21 13 14-0026 | EA | 24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen | 633.50 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *171.52* | |
| 10 21 13 14-0027 | EA | 30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen | 691.71 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *188.04* | |

### 10 21 13 14-0028 Wall Hung And Post Supported, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 14-0029 | EA | 18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen | 954.24 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *283.78* | |
| 10 21 13 14-0030 | EA | 24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen | 999.93 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *295.91* | |
| 10 21 13 14-0031 | EA | 30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen | 1,045.41 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *307.97* | |

### 10 21 13 14-0032 Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 14-0033 | EA | 22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen | 793.08 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *223.52* | |
| 10 21 13 14-0034 | EA | 34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen | 898.22 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *256.45* | |
| 10 21 13 14-0035 | EA | 46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen | 1,007.79 | 88.27 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *290.94* | |

### 10 21 13 14-0036 Stainless Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 14-0001)*

See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

### 10 21 13 14-0037 Stainless Steel, Toilet Partition Doors *(10 21 13 14-0036)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 14-0038 | EA | 24" x 58" x 1", Stainless Steel, Toilet Partition Door | 527.24 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For Diamond Pattern Finish, Add* | *169.08* | |
| 10 21 13 14-0039 | EA | 26" x 58" x 1", Stainless Steel, Toilet Partition Door | 603.54 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For Diamond Pattern Finish, Add* | *195.79* | |
| 10 21 13 14-0040 | EA | 30" x 58" x 1", Stainless Steel, Toilet Partition Door | 619.63 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For Diamond Pattern Finish, Add* | *199.49* | |
| 10 21 13 14-0041 | EA | 34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door | 641.66 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For Diamond Pattern Finish, Add* | *207.20* | |
| 10 21 13 14-0042 | EA | 36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door | 647.79 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For Diamond Pattern Finish, Add* | *209.34* | |
| **10 21 13 14-0043** | | **Stainless Steel, Toilet Partition Panels** *(10 21 13 14-0036)* | | |
| 10 21 13 14-0044 | EA | 6" x 58" x 1", Stainless Steel, Toilet Partition Panel | 453.87 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *135.67* | |
| 10 21 13 14-0045 | EA | 12" x 58" x 1", Stainless Steel, Toilet Partition Panel | 504.16 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *151.34* | |
| 10 21 13 14-0046 | EA | 18" x 58" x 1", Stainless Steel, Toilet Partition Panel | 525.16 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *156.76* | |
| 10 21 13 14-0047 | EA | 24" x 58" x 1", Stainless Steel, Toilet Partition Panel | 549.09 | 41.39 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *163.21* | |
| 10 21 13 14-0048 | EA | 30" x 58" x 1", Stainless Steel, Toilet Partition Panel | 589.39 | 44.15 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *175.38* | |
| 10 21 13 14-0049 | EA | 36" x 58" x 1", Stainless Steel, Toilet Partition Panel | 636.30 | 46.91 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *189.87* | |
| 10 21 13 14-0050 | EA | 42" x 58" x 1", Stainless Steel, Toilet Partition Panel | 745.07 | 49.67 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *226.01* | |
| 10 21 13 14-0051 | EA | 48" x 58" x 1", Stainless Steel, Toilet Partition Panel | 816.02 | 52.43 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *248.91* | |
| 10 21 13 14-0052 | EA | 55" x 58" x 1", Stainless Steel, Toilet Partition Panel | 837.04 | 55.19 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *254.33* | |
| 10 21 13 14-0053 | EA | 58" x 58" x 1", Stainless Steel, Toilet Partition Panel | 878.84 | 56.29 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *268.19* | |
| 10 21 13 14-0054 | EA | 60" x 58" x 1", Stainless Steel, Toilet Partition Panel | 933.82 | 57.95 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *286.27* | |
| 10 21 13 14-0055 | EA | 70" x 58" x 1", Stainless Steel, Toilet Partition Panel | 978.45 | 60.71 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *299.96* | |
| 10 21 13 14-0056 | EA | 78" x 58" x 1", Stainless Steel, Toilet Partition Panel | 1,074.00 | 63.47 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *331.47* | |
| **10 21 13 14-0057** | | **70" Long, Stainless Steel, Toilet Partition Pilasters** *(10 21 13 14-0036)* | | |
| 10 21 13 14-0058 | EA | Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 315.51 | 16.56 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *98.84* | |
| 10 21 13 14-0059 | EA | 5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 343.41 | 19.31 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *106.67* | |
| 10 21 13 14-0060 | EA | 6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 373.04 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *115.11* | |
| 10 21 13 14-0061 | EA | 8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 425.05 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *131.38* | |
| 10 21 13 14-0062 | EA | 10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 477.07 | 27.59 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *147.66* | |
| 10 21 13 14-0063 | EA | 12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 529.08 | 30.35 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *163.93* | |
| 10 21 13 14-0064 | EA | 18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 672.35 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *212.14* | |
| 10 21 13 14-0065 | EA | 22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 770.86 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *244.69* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 14-0066 | EA | 24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 822.87 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *260.96* | |

### 10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 14-0068 | EA | Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 240.67 | 16.56 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *72.65* | |
| 10 21 13 14-0069 | EA | 5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 260.40 | 19.31 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *77.62* | |
| 10 21 13 14-0070 | EA | 6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 280.85 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *82.85* | |
| 10 21 13 14-0071 | EA | 8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 365.15 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *110.42* | |
| 10 21 13 14-0072 | EA | 10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 412.18 | 27.59 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *124.95* | |
| 10 21 13 14-0073 | EA | 12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 426.31 | 30.35 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *127.96* | |
| 10 21 13 14-0074 | EA | 18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 483.23 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *145.95* | |
| 10 21 13 14-0075 | EA | 22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 545.28 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *165.74* | |
| 10 21 13 14-0076 | EA | 24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 578.84 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *175.55* | |

### 10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 14-0078 | EA | Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 345.49 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *105.47* | |
| 10 21 13 14-0079 | EA | 5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 378.56 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *115.11* | |
| 10 21 13 14-0080 | EA | 6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 409.91 | 27.59 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *124.15* | |
| 10 21 13 14-0081 | EA | 8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 470.53 | 30.35 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *143.44* | |
| 10 21 13 14-0082 | EA | 10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 529.43 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *162.12* | |
| 10 21 13 14-0083 | EA | 12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 588.33 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *180.80* | |
| 10 21 13 14-0084 | EA | 18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 757.44 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *238.06* | |
| 10 21 13 14-0085 | EA | 22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 869.72 | 41.39 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *275.43* | |
| 10 21 13 14-0086 | EA | 24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster | 930.34 | 44.15 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Diamond Pattern Finish, Add* | *294.71* | |

## 10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

### 10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens *(10 21 13 16)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high-pressure decorative plastic laminate bonded to a solid industrial-grade particalboard.

### 10 21 13 16-0002 Laminated Plastic Toilet Partitions *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

### 10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 16-0004 | EA | 36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition | 1,311.22 | 124.17 |
| | | *For >10, Deduct* | *-106.29* | |
| | | *For Cast Stainless Steel Hardware, Add* | *175.11* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 16-0005 | EA | 60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 1,605.42 | 135.21 |
| | | *For Cast Stainless Steel Hardware, Add* | *175.13* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 16-0006 | EA | 60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 1,728.22 | 140.73 |
| | | *For Cast Stainless Steel Hardware, Add* | *175.14* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| **10 21 13 16-0007** | | **Overhead Braced, Laminated Plastic, Complete Toilet Partitions** *(10 21 13 16-0002)* | | |
| | | Note: Includes head rail. | | |
| 10 21 13 16-0008 | EA | 36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition | 1,418.30 | 151.77 |
| | | *For >10, Deduct* | *-111.48* | |
| | | *For Cast Stainless Steel Hardware, Add* | *175.15* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 16-0009 | EA | 60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 1,725.46 | 162.81 |
| | | *For Cast Stainless Steel Hardware, Add* | *175.17* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 16-0010 | EA | 60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 1,857.99 | 168.33 |
| | | *For Cast Stainless Steel Hardware, Add* | *175.17* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| **10 21 13 16-0011** | | **Ceiling Hung, Laminated Plastic, Complete Toilet Partitions** *(10 21 13 16-0002)* | | |
| | | Note: Excludes above ceiling steel. | | |
| 10 21 13 16-0012 | EA | 36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition | 1,896.07 | 206.96 |
| | | *For >10, Deduct* | *-148.22* | |
| | | *For Cast Stainless Steel Hardware, Add* | *175.23* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 16-0013 | EA | 60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,213.23 | 218.00 |
| | | *For Cast Stainless Steel Hardware, Add* | *175.24* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 16-0014 | EA | 60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,336.02 | 223.52 |
| | | *For Cast Stainless Steel Hardware, Add* | *175.25* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| **10 21 13 16-0015** | | **Laminated Plastic Urinal Screens** *(10 21 13 16-0001)* | | |
| | | Note: Includes all standard Bobrick colors. | | |
| **10 21 13 16-0016** | | **Floor Anchored, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)* | | |
| 10 21 13 16-0017 | EA | 24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen | 550.86 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0018 | EA | 36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen | 600.78 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0019 | EA | 48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen | 619.45 | 88.27 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| **10 21 13 16-0020** | | **Wall Hung, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)* | | |
| 10 21 13 16-0021 | EA | 18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen | 427.45 | 66.20 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0022 | EA | 24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen | 449.59 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0023 | EA | 30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen | 470.72 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| **10 21 13 16-0024** | | **Wall Hung And Post Supported, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)* | | |
| 10 21 13 16-0025 | EA | 18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen | 568.44 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0026 | EA | 24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen | 623.81 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0027 | EA | 30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen | 683.84 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| **10 21 13 16-0028** | | **Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)* | | |
| 10 21 13 16-0029 | EA | 24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen | 524.31 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0030 | EA | 36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen | 575.33 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0031 | EA | 48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen | 593.36 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| **10 21 13 16-0032** | | **Laminated Plastic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 16-0001)* | | |
| | | Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 10 21 13 16-0033 Laminated Plastic, Toilet Partition Doors *(10 21 13 16-0032)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 16-0034 | EA | 24" x 58" x 1", Laminated Plastic, Toilet Partition Door | 437.08 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 16-0035 | EA | 26" x 58" x 1", Laminated Plastic, Toilet Partition Door | 475.26 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 16-0036 | EA | 30" x 58" x 1", Laminated Plastic, Toilet Partition Door | 491.20 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 16-0037 | EA | 34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door | 503.00 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 16-0038 | EA | 36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door | 514.11 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |

### 10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels *(10 21 13 16-0032)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 16-0040 | EA | 6" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 220.99 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0041 | EA | 12" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 244.50 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0042 | EA | 18" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 268.02 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0043 | EA | 24" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 292.45 | 41.39 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0044 | EA | 30" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 315.04 | 44.15 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0045 | EA | 36" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 339.58 | 46.91 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0046 | EA | 42" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 347.21 | 49.67 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0047 | EA | 48" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 356.17 | 52.43 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0048 | EA | 55" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 374.91 | 55.19 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0049 | EA | 58" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 390.60 | 56.29 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0050 | EA | 60" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 408.17 | 57.95 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0051 | EA | 70" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 465.76 | 60.71 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 16-0052 | EA | 78" x 58" x 1", Laminated Plastic, Toilet Partition Panel | 530.97 | 63.47 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

### 10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 16-0054 | EA | Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster | 180.98 | 16.56 |
| | | *For 1-1/4" Pilaster, Add* | *12.20* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *147.87* | |
| 10 21 13 16-0055 | EA | 5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster | 208.72 | 19.31 |
| | | *For 1-1/4" Pilaster, Add* | *14.03* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *170.09* | |
| 10 21 13 16-0056 | EA | 6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster | 214.24 | 22.07 |
| | | *For 1-1/4" Pilaster, Add* | *14.03* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *170.09* | |
| 10 21 13 16-0057 | EA | 8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster | 236.42 | 24.83 |
| | | *For 1-1/4" Pilaster, Add* | *15.41* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *186.75* | |
| 10 21 13 16-0058 | EA | 10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster | 246.80 | 27.59 |
| | | *For 1-1/4" Pilaster, Add* | *15.81* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *191.61* | |
| 10 21 13 16-0059 | EA | 12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster | 268.28 | 30.35 |
| | | *For 1-1/4" Pilaster, Add* | *17.12* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *207.57* | |
| 10 21 13 16-0060 | EA | 18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster | 341.84 | 33.11 |
| | | *For 1-1/4" Pilaster, Add* | *22.74* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *275.61* | |
| 10 21 13 16-0061 | EA | 22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster | 414.00 | 35.87 |
| | | *For 1-1/4" Pilaster, Add* | *28.24* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *342.25* | |
| 10 21 13 16-0062 | EA | 24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster | 464.65 | 38.63 |
| | | *For 1-1/4" Pilaster, Add* | *31.96* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *387.38* | |

### 10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 16-0064 | EA | Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster | 355.92 | 16.56 |
| | | *For 1-1/4" Pilaster, Add* | *26.63* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *322.81* | |
| 10 21 13 16-0065 | EA | 5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster | 393.38 | 19.31 |
| | | *For 1-1/4" Pilaster, Add* | *29.27* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *354.75* | |
| 10 21 13 16-0066 | EA | 6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster | 398.90 | 22.07 |
| | | *For 1-1/4" Pilaster, Add* | *29.27* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *354.75* | |
| 10 21 13 16-0067 | EA | 8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster | 431.49 | 24.83 |
| | | *For 1-1/4" Pilaster, Add* | *31.50* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *381.82* | |
| 10 21 13 16-0068 | EA | 10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster | 471.03 | 27.59 |
| | | *For 1-1/4" Pilaster, Add* | *34.31* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *415.84* | |
| 10 21 13 16-0069 | EA | 12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster | 502.93 | 30.35 |
| | | *For 1-1/4" Pilaster, Add* | *36.48* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *442.22* | |
| 10 21 13 16-0070 | EA | 18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster | 626.14 | 33.11 |
| | | *For 1-1/4" Pilaster, Add* | *46.19* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *559.91* | |
| 10 21 13 16-0071 | EA | 22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster | 713.21 | 35.87 |
| | | *For 1-1/4" Pilaster, Add* | *52.92* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *641.46* | |
| 10 21 13 16-0072 | EA | 24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster | 731.92 | 38.63 |
| | | *For 1-1/4" Pilaster, Add* | *54.01* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For Steel Core Pilaster, Add* | *654.65* | |

## 10 21 13 19 Plastic Toilet Compartments *(10 21 13)*

### 10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

### 10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

### 10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Includes head rail.

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0004 | EA | 36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition | 1,948.80 | 151.77 |
| | | *For >10, Deduct* | *-164.53* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,020.06* | |
| 10 21 13 19-0005 | EA | 60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,404.19 | 162.81 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,288.71* | |
| 10 21 13 19-0006 | EA | 60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,666.72 | 168.33 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,444.64* | |

### 10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0008 | EA | 36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition | 1,941.67 | 179.37 |
| | | *For >10, Deduct* | *-158.29* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *981.42* | |
| 10 21 13 19-0009 | EA | 60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,437.30 | 190.41 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,275.02* | |
| 10 21 13 19-0010 | EA | 60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,699.84 | 195.92 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,430.95* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **10 21 13 19-0011** | | **Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0002)* Note: Excludes above ceiling steel. | | |
| 10 21 13 19-0012 | EA | 36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition | 2,032.75 | 206.96 |
| | | *For >10, Deduct* | *-161.88* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,003.67* | |
| 10 21 13 19-0013 | EA | 60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,417.61 | 218.00 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,228.60* | |
| 10 21 13 19-0014 | EA | 60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,680.14 | 223.52 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,384.53* | |
| **10 21 13 19-0015** | | **Recycled Solid Plastic (HDPE) Urinal Screens** *(10 21 13 19-0001)* Note: Includes all standard Columbia Partitions colors. | | |
| **10 21 13 19-0016** | | **Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)* | | |
| 10 21 13 19-0017 | EA | 18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen | 447.59 | 66.20 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *195.42* | |
| 10 21 13 19-0018 | EA | 24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen | 471.04 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *203.11* | |
| **10 21 13 19-0019** | | **Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)* | | |
| 10 21 13 19-0020 | EA | 18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen | 571.85 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *265.62* | |
| 10 21 13 19-0021 | EA | 24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen | 725.66 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *354.14* | |
| 10 21 13 19-0022 | EA | 30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen | 807.03 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *397.75* | |
| **10 21 13 19-0023** | | **Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)* | | |
| 10 21 13 19-0024 | EA | 24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen | 582.88 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *265.62* | |
| 10 21 13 19-0025 | EA | 36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen | 736.70 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *354.14* | |
| 10 21 13 19-0026 | EA | 48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen | 876.38 | 88.27 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *433.90* | |
| **10 21 13 19-0027** | | **Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0001)* Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories. | | |
| **10 21 13 19-0028** | | **Recycled Solid Plastic (HDPE), Toilet Partition Doors** *(10 21 13 19-0027)* | | |
| 10 21 13 19-0029 | EA | 24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door | 467.63 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *262.56* | |
| 10 21 13 19-0030 | EA | 26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door | 506.17 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *286.45* | |
| 10 21 13 19-0031 | EA | 30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door | 549.94 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *310.17* | |
| 10 21 13 19-0032 | EA | 34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door | 627.93 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *358.52* | |
| 10 21 13 19-0033 | EA | 36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door | 646.39 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *369.97* | |
| **10 21 13 19-0034** | | **Recycled Solid Plastic (HDPE), Toilet Partition Panels** *(10 21 13 19-0027)* | | |
| 10 21 13 19-0035 | EA | 6" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 160.09 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *58.19* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0036 | EA | 12" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 259.48 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *116.39* | |
| 10 21 13 19-0037 | EA | 18" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 358.84 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *174.57* | |
| 10 21 13 19-0038 | EA | 24" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 419.73 | 41.39 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *208.90* | |
| 10 21 13 19-0039 | EA | 30" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 509.49 | 44.15 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *261.13* | |
| 10 21 13 19-0040 | EA | 36" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 544.46 | 46.91 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *279.40* | |
| 10 21 13 19-0041 | EA | 42" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 611.88 | 49.67 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *317.77* | |
| 10 21 13 19-0042 | EA | 48" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 690.61 | 52.43 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *363.17* | |
| 10 21 13 19-0043 | EA | 55" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 754.75 | 55.19 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *399.51* | |
| 10 21 13 19-0044 | EA | 58" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 771.16 | 56.29 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *408.32* | |
| 10 21 13 19-0045 | EA | 60" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 797.18 | 57.95 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *422.39* | |
| 10 21 13 19-0046 | EA | 70" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 902.08 | 60.71 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *484.01* | |
| 10 21 13 19-0047 | EA | 78" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel | 972.67 | 63.47 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *524.36* | |
| **10 21 13 19-0048** | | **82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0027)* | | |
| 10 21 13 19-0049 | EA | Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 213.92 | 16.56 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *112.10* | |
| 10 21 13 19-0050 | EA | 5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 237.57 | 19.31 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *123.34* | |
| 10 21 13 19-0051 | EA | 6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 258.05 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *132.62* | |
| 10 21 13 19-0052 | EA | 8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 276.93 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *140.90* | |
| 10 21 13 19-0053 | EA | 10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 311.00 | 27.59 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *158.60* | |
| 10 21 13 19-0054 | EA | 12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 345.05 | 30.35 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *176.29* | |
| 10 21 13 19-0055 | EA | 18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 475.81 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *253.94* | |
| 10 21 13 19-0056 | EA | 22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 538.28 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *289.25* | |
| 10 21 13 19-0057 | EA | 24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 586.21 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *315.54* | |
| **10 21 13 19-0058** | | **96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0027)* | | |
| 10 21 13 19-0059 | EA | Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 260.71 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *134.27* | |
| 10 21 13 19-0060 | EA | 5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 286.84 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *147.05* | |
| 10 21 13 19-0061 | EA | 6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 315.89 | 27.59 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *161.63* | |
| 10 21 13 19-0062 | EA | 8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 358.15 | 30.35 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *184.41* | |
| 10 21 13 19-0063 | EA | 10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 400.83 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *207.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0064 | EA | 12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 443.10 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *230.24* | |
| 10 21 13 19-0065 | EA | 18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 569.75 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *305.34* | |
| 10 21 13 19-0066 | EA | 22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 637.96 | 41.39 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *344.21* | |
| 10 21 13 19-0067 | EA | 24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 693.94 | 44.15 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *375.49* | |

### 10 21 13 19-0068 Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

### 10 21 13 19-0069 Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

### 10 21 13 19-0070 Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Includes head rail.

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0071 | EA | 36" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete Toilet Partition | 2,524.64 | 151.77 |
| | | *For >10, Deduct* | *-222.11* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,377.08* | |
| 10 21 13 19-0072 | EA | 60" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,131.70 | 162.81 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,739.77* | |
| 10 21 13 19-0073 | EA | 60" x 78", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,482.26 | 168.33 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,950.28* | |

### 10 21 13 19-0074 Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0075 | EA | 36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition | 2,495.70 | 179.37 |
| | | *For >10, Deduct* | *-213.70* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,324.92* | |
| 10 21 13 19-0076 | EA | 60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,157.06 | 190.41 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,721.28* | |
| 10 21 13 19-0077 | EA | 60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,507.63 | 195.92 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,931.78* | |

### 10 21 13 19-0078 Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0079 | EA | 36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition | 2,599.36 | 206.96 |
| | | *For >10, Deduct* | *-218.54* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,354.97* | |
| 10 21 13 19-0080 | EA | 60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,111.17 | 218.00 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,658.61* | |
| 10 21 13 19-0081 | EA | 60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,461.72 | 223.52 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *1,869.11* | |

### 10 21 13 19-0082 Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

### 10 21 13 19-0083 Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0084 | EA | 18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen | 557.89 | 66.20 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *263.80* | |
| 10 21 13 19-0085 | EA | 24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen | 581.65 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *271.69* | |
| 10 21 13 19-0086 | | **Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)* | | |
| 10 21 13 19-0087 | EA | 18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen | 914.55 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *478.09* | |
| 10 21 13 19-0088 | EA | 24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen | 1,041.56 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *550.00* | |
| 10 21 13 19-0089 | EA | 30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen | 1,110.29 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *585.77* | |
| 10 21 13 19-0090 | | **Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)* | | |
| 10 21 13 19-0091 | EA | 24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen | 732.81 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *358.58* | |
| 10 21 13 19-0092 | EA | 36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen | 936.62 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *478.09* | |
| 10 21 13 19-0093 | EA | 48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen | 1,121.33 | 88.27 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *585.77* | |
| 10 21 13 19-0094 | | **Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0068)* | | |
| | | Note: Includes all standard Columbia Partitions colors. | | |
| 10 21 13 19-0095 | | **Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors** *(10 21 13 19-0094)* | | |
| 10 21 13 19-0096 | EA | 24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door | 615.84 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *354.45* | |
| 10 21 13 19-0097 | EA | 26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door | 667.89 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *386.72* | |
| 10 21 13 19-0098 | EA | 30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door | 725.03 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *418.72* | |
| 10 21 13 19-0099 | EA | 34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door | 830.33 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *484.01* | |
| 10 21 13 19-0100 | EA | 36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door | 855.24 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *499.45* | |
| 10 21 13 19-0101 | | **Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels** *(10 21 13 19-0094)* | | |
| 10 21 13 19-0102 | EA | 6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 192.94 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *78.56* | |
| 10 21 13 19-0103 | EA | 12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 325.18 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *157.13* | |
| 10 21 13 19-0104 | EA | 18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 457.41 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *235.69* | |
| 10 21 13 19-0105 | EA | 24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 537.64 | 41.39 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *282.01* | |
| 10 21 13 19-0106 | EA | 30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 656.89 | 44.15 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *352.52* | |
| 10 21 13 19-0107 | EA | 36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 702.18 | 46.91 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *377.18* | |
| 10 21 13 19-0108 | EA | 42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 791.27 | 49.67 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *429.00* | |
| 10 21 13 19-0109 | EA | 48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 895.64 | 52.43 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *490.28* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0110 | EA | 55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 980.29 | 55.19 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *539.34* | |
| 10 21 13 19-0111 | EA | 58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 1,001.66 | 56.29 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *551.23* | |
| 10 21 13 19-0112 | EA | 60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 1,035.62 | 57.95 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *570.23* | |
| 10 21 13 19-0113 | EA | 70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 1,175.33 | 60.71 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *653.42* | |
| 10 21 13 19-0114 | EA | 78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel | 1,268.67 | 63.47 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *707.88* | |

## 10 21 13 19-0115 82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0116 | EA | Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 277.20 | 16.56 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *151.34* | |
| 10 21 13 19-0117 | EA | 5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 307.20 | 19.31 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *166.51* | |
| 10 21 13 19-0118 | EA | 6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 332.91 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *179.03* | |
| 10 21 13 19-0119 | EA | 8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 384.37 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *207.51* | |
| 10 21 13 19-0120 | EA | 10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 431.95 | 27.59 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *233.59* | |
| 10 21 13 19-0121 | EA | 12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 479.47 | 30.35 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *259.63* | |
| 10 21 13 19-0122 | EA | 18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 619.16 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *342.82* | |
| 10 21 13 19-0123 | EA | 22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 701.58 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *390.49* | |
| 10 21 13 19-0124 | EA | 24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 764.33 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *425.98* | |

## 10 21 13 19-0125 96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0126 | EA | Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 336.51 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *181.26* | |
| 10 21 13 19-0127 | EA | 5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 369.86 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *198.52* | |
| 10 21 13 19-0128 | EA | 6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 407.15 | 27.59 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *218.22* | |
| 10 21 13 19-0129 | EA | 8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 462.27 | 30.35 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *248.97* | |
| 10 21 13 19-0130 | EA | 10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 517.95 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *280.07* | |
| 10 21 13 19-0131 | EA | 12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 573.06 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *310.81* | |
| 10 21 13 19-0132 | EA | 18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 742.13 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *412.21* | |
| 10 21 13 19-0133 | EA | 22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 832.26 | 41.39 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *464.67* | |
| 10 21 13 19-0134 | EA | 24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster | 905.91 | 44.15 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *506.91* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0135 | | **Solid Phenolic Toilet Partitions And Urinal Screens** *(10 21 13 19)*<br>Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating. | | |
| 10 21 13 19-0136 | | **Solid Phenolic Toilet Partitions** *(10 21 13 19-0135)*<br>Note: Includes all standard Bobrick colors. | | |
| 10 21 13 19-0137 | | **Floor Anchored, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)* | | |
| 10 21 13 19-0138 | EA | 36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition | 1,997.10 | 124.17 |
| | | *For >10, Deduct* | *-174.88* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *379.66* | |
| 10 21 13 19-0139 | EA | 60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,455.16 | 135.21 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *472.31* | |
| 10 21 13 19-0140 | EA | 60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,742.50 | 140.73 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *530.89* | |
| 10 21 13 19-0141 | | **Overhead Braced, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*<br>Note: Includes head rail. | | |
| 10 21 13 19-0142 | EA | 36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition | 2,215.77 | 151.77 |
| | | *For >10, Deduct* | *-191.22* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *416.75* | |
| 10 21 13 19-0143 | EA | 60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,692.07 | 162.81 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *513.24* | |
| 10 21 13 19-0144 | EA | 60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,993.31 | 168.33 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *574.73* | |
| 10 21 13 19-0145 | | **Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*<br>Note: Excludes above ceiling steel. | | |
| 10 21 13 19-0146 | EA | 36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition | 2,285.90 | 179.37 |
| | | *For >10, Deduct* | *-192.72* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *422.64* | |
| 10 21 13 19-0147 | EA | 60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,758.81 | 190.41 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *518.42* | |
| 10 21 13 19-0148 | EA | 60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,046.15 | 195.92 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *577.00* | |
| 10 21 13 19-0149 | | **Ceiling Hung, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*<br>Note: Excludes above ceiling steel. | | |
| 10 21 13 19-0150 | EA | 36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition | 2,251.89 | 206.96 |
| | | *For >10, Deduct* | *-183.80* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *406.67* | |
| 10 21 13 19-0151 | EA | 60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,709.61 | 218.00 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *499.26* | |
| 10 21 13 19-0152 | EA | 60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,996.95 | 223.52 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| | | *For NFPA Class A, Add* | *557.83* | |
| 10 21 13 19-0153 | | **Solid Phenolic Urinal Screens** *(10 21 13 19-0135)*<br>Note: Includes all standard Bobrick colors. | | |
| 10 21 13 19-0154 | | **Floor Anchored, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)* | | |
| 10 21 13 19-0155 | EA | 24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen | 724.42 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *127.41* | |
| 10 21 13 19-0156 | EA | 36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen | 819.46 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *145.61* | |
| 10 21 13 19-0157 | EA | 48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen | 983.92 | 88.27 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *178.38* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 10 21 13 19-0158 Wall Hung, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0159 | EA | 18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen | 461.46 | 66.20 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *75.72* | |
| 10 21 13 19-0160 | EA | 24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen | 534.97 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *89.39* | |
| 10 21 13 19-0161 | EA | 30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen | 643.97 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *110.52* | |

### 10 21 13 19-0162 Wall Hung And Post Supported, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0163 | EA | 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen | 468.22 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *75.38* | |
| 10 21 13 19-0164 | EA | 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen | 587.49 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *98.66* | |
| 10 21 13 19-0165 | EA | 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen | 687.56 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *117.91* | |

### 10 21 13 19-0166 Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0167 | EA | 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen | 746.24 | 71.72 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *133.76* | |
| 10 21 13 19-0168 | EA | 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen | 841.85 | 77.24 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *152.07* | |
| 10 21 13 19-0169 | EA | 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen | 1,009.46 | 82.75 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *185.51* | |

### 10 21 13 19-0170 Solid Phenolic Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

### 10 21 13 19-0171 Solid Phenolic, Toilet Partition Doors *(10 21 13 19-0170)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0172 | EA | 24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door | 542.60 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *106.88* | |
| 10 21 13 19-0173 | EA | 26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door | 561.35 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *110.82* | |
| 10 21 13 19-0174 | EA | 30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door | 614.96 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *121.19* | |
| 10 21 13 19-0175 | EA | 34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door | 663.84 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *131.46* | |
| 10 21 13 19-0176 | EA | 36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door | 714.04 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| | | *For NFPA Class A, Add* | *142.00* | |

### 10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels *(10 21 13 19-0170)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0178 | EA | 6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 170.11 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *25.13* | |
| 10 21 13 19-0179 | EA | 12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 227.53 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *36.30* | |
| 10 21 13 19-0180 | EA | 18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 310.92 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *52.93* | |
| 10 21 13 19-0181 | EA | 24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 395.19 | 41.39 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *69.74* | |
| 10 21 13 19-0182 | EA | 30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 440.87 | 44.15 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *78.45* | |
| 10 21 13 19-0183 | EA | 36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 488.83 | 46.91 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *87.64* | |
| 10 21 13 19-0184 | EA | 42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 570.89 | 49.67 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *103.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0185 | EA | 48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 655.38 | 52.43 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *120.85* | |
| 10 21 13 19-0186 | EA | 55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 699.08 | 55.19 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *129.15* | |
| 10 21 13 19-0187 | EA | 58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 718.64 | 56.29 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *132.90* | |
| 10 21 13 19-0188 | EA | 60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 732.37 | 57.95 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *135.25* | |
| 10 21 13 19-0189 | EA | 70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 843.41 | 60.71 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *157.69* | |
| 10 21 13 19-0190 | EA | 78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel | 1,019.70 | 63.47 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *193.83* | |

## 10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0192 | EA | Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 257.34 | 16.56 |
| | | *For 1" Pilaster, Add* | *28.03* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *48.74* | |
| 10 21 13 19-0193 | EA | 5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 296.19 | 19.31 |
| | | *For 1" Pilaster, Add* | *32.20* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *56.02* | |
| 10 21 13 19-0194 | EA | 6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 301.71 | 22.07 |
| | | *For 1" Pilaster, Add* | *32.20* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *56.30* | |
| 10 21 13 19-0195 | EA | 8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 349.58 | 24.83 |
| | | *For 1" Pilaster, Add* | *37.49* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *65.46* | |
| 10 21 13 19-0196 | EA | 10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 393.28 | 27.59 |
| | | *For 1" Pilaster, Add* | *42.26* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *73.76* | |
| 10 21 13 19-0197 | EA | 12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 436.98 | 30.35 |
| | | *For 1" Pilaster, Add* | *47.03* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *82.05* | |
| 10 21 13 19-0198 | EA | 16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 559.82 | 33.11 |
| | | *For 1" Pilaster, Add* | *61.70* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *106.97* | |
| 10 21 13 19-0199 | EA | 20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 688.22 | 35.87 |
| | | *For 1" Pilaster, Add* | *77.06* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *133.05* | |
| 10 21 13 19-0200 | EA | 24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 722.90 | 38.63 |
| | | *For 1" Pilaster, Add* | *80.70* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *139.45* | |

## 10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0202 | EA | Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 282.34 | 16.56 |
| | | *For 1" Pilaster, Add* | *31.15* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *53.99* | |
| 10 21 13 19-0203 | EA | 5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 330.90 | 19.31 |
| | | *For 1" Pilaster, Add* | *36.53* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *63.31* | |
| 10 21 13 19-0204 | EA | 6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 336.42 | 22.07 |
| | | *For 1" Pilaster, Add* | *36.53* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *63.58* | |
| 10 21 13 19-0205 | EA | 8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 389.84 | 24.83 |
| | | *For 1" Pilaster, Add* | *42.52* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *73.92* | |
| 10 21 13 19-0206 | EA | 10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 440.48 | 27.59 |
| | | *For 1" Pilaster, Add* | *48.16* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *83.67* | |
| 10 21 13 19-0207 | EA | 12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 491.49 | 30.35 |
| | | *For 1" Pilaster, Add* | *53.85* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *93.50* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0208 | EA | 16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 641.05 | 33.11 |
| | | *For 1" Pilaster, Add* | *71.85* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *124.02* | |
| 10 21 13 19-0209 | EA | 20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 764.25 | 35.87 |
| | | *For 1" Pilaster, Add* | *86.56* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *149.01* | |
| 10 21 13 19-0210 | EA | 24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 803.79 | 38.63 |
| | | *For 1" Pilaster, Add* | *90.82* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *156.43* | |

### 10 21 13 19-0211 96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0212 | EA | Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 318.37 | 22.07 |
| | | *For 1" Pilaster, Add* | *34.28* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *59.79* | |
| 10 21 13 19-0213 | EA | 5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 376.65 | 24.83 |
| | | *For 1" Pilaster, Add* | *40.87* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *71.15* | |
| 10 21 13 19-0214 | EA | 6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 382.17 | 27.59 |
| | | *For 1" Pilaster, Add* | *40.87* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *71.43* | |
| 10 21 13 19-0215 | EA | 8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 441.15 | 30.35 |
| | | *For 1" Pilaster, Add* | *47.56* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *82.93* | |
| 10 21 13 19-0216 | EA | 10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 498.73 | 33.11 |
| | | *For 1" Pilaster, Add* | *54.06* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *94.14* | |
| 10 21 13 19-0217 | EA | 12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 557.01 | 35.87 |
| | | *For 1" Pilaster, Add* | *60.66* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *105.49* | |
| 10 21 13 19-0218 | EA | 16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 733.31 | 38.63 |
| | | *For 1" Pilaster, Add* | *82.01* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *141.63* | |
| 10 21 13 19-0219 | EA | 20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 851.30 | 41.39 |
| | | *For 1" Pilaster, Add* | *96.06* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *165.53* | |
| 10 21 13 19-0220 | EA | 24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster | 895.69 | 44.15 |
| | | *For 1" Pilaster, Add* | *100.92* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| | | *For NFPA Class A, Add* | *173.97* | |

### 10 21 13 19-0221 Solid Color Reinforced Composite Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.

### 10 21 13 19-0222 Solid Color Reinforced Composite Toilet Partitions *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

### 10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0224 | EA | 36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition | 2,206.95 | 124.17 |
| | | *For >10, Deduct* | *-195.86* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0225 | EA | 60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,717.32 | 135.21 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0226 | EA | 60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,037.82 | 140.73 |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |

### 10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Includes head rail.

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0228 | EA | 36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition | 2,445.24 | 151.77 |
| | | *For >10, Deduct* | *-214.17* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0229 | EA | 60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,976.04 | 162.81 |
| *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | | | *217.99* | |
| 10 21 13 19-0230 | EA | 60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,312.11 | 168.33 |
| *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | | | *217.99* | |
| **10 21 13 19-0231** | | **Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions** *(10 21 13 19-0222)* | | |
| | | Note: Excludes above ceiling steel. | | |
| 10 21 13 19-0232 | EA | 36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition | 2,517.16 | 179.37 |
| *For >10, Deduct* | | | *-215.84* | |
| *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | | | *217.99* | |
| 10 21 13 19-0233 | EA | 60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,044.17 | 190.41 |
| *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | | | *217.99* | |
| 10 21 13 19-0234 | EA | 60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,364.67 | 195.92 |
| *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | | | *217.99* | |
| **10 21 13 19-0235** | | **Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions** *(10 21 13 19-0222)* | | |
| | | Note: Excludes above ceiling steel. | | |
| 10 21 13 19-0236 | EA | 36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition | 2,472.45 | 206.96 |
| *For >10, Deduct* | | | *-205.85* | |
| *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | | | *217.99* | |
| 10 21 13 19-0237 | EA | 60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 2,982.45 | 218.00 |
| *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | | | *217.99* | |
| 10 21 13 19-0238 | EA | 60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 3,302.94 | 223.52 |
| *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | | | *217.99* | |
| **10 21 13 19-0239** | | **Solid Color Reinforced Composite Urinal Screens** *(10 21 13 19-0221)* | | |
| | | Note: Includes all standard Bobrick colors. | | |
| **10 21 13 19-0240** | | **Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)* | | |
| 10 21 13 19-0241 | EA | 24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen | 792.81 | 77.24 |
| *For Heavy Gauge Full-Height SS Brackets, Add* | | | *60.40* | |
| 10 21 13 19-0242 | EA | 36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen | 897.94 | 82.75 |
| *For Heavy Gauge Full-Height SS Brackets, Add* | | | *60.40* | |
| 10 21 13 19-0243 | EA | 48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen | 1,080.81 | 88.27 |
| *For Heavy Gauge Full-Height SS Brackets, Add* | | | *60.40* | |
| **10 21 13 19-0244** | | **Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)* | | |
| 10 21 13 19-0245 | EA | 18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen | 500.95 | 66.20 |
| *For Heavy Gauge Full-Height SS Brackets, Add* | | | *60.40* | |
| 10 21 13 19-0246 | EA | 24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen | 581.96 | 71.72 |
| *For Heavy Gauge Full-Height SS Brackets, Add* | | | *60.40* | |
| 10 21 13 19-0247 | EA | 30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen | 702.71 | 77.24 |
| *For Heavy Gauge Full-Height SS Brackets, Add* | | | *60.40* | |
| **10 21 13 19-0248** | | **Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)* | | |
| 10 21 13 19-0249 | EA | 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen | 507.19 | 71.72 |
| *For Heavy Gauge Full-Height SS Brackets, Add* | | | *60.40* | |
| 10 21 13 19-0250 | EA | 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen | 639.45 | 77.24 |
| *For Heavy Gauge Full-Height SS Brackets, Add* | | | *60.40* | |
| 10 21 13 19-0251 | EA | 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen | 750.20 | 82.75 |
| *For Heavy Gauge Full-Height SS Brackets, Add* | | | *60.40* | |
| **10 21 13 19-0252** | | **Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)* | | |
| 10 21 13 19-0253 | EA | 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen | 818.58 | 71.72 |
| *For Heavy Gauge Full-Height SS Brackets, Add* | | | *60.40* | |
| 10 21 13 19-0254 | EA | 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen | 924.34 | 77.24 |
| *For Heavy Gauge Full-Height SS Brackets, Add* | | | *60.40* | |
| 10 21 13 19-0255 | EA | 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen | 1,110.73 | 82.75 |
| *For Heavy Gauge Full-Height SS Brackets, Add* | | | *60.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0256 | | Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0221)* | | |
| | | Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories. | | |
| 10 21 13 19-0257 | | Solid Color Reinforced Composite, Toilet Partition Doors *(10 21 13 19-0256)* | | |
| 10 21 13 19-0258 | EA | 24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door | 602.42 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 19-0259 | EA | 26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door | 623.41 | 22.07 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 19-0260 | EA | 30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door | 682.80 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 19-0261 | EA | 34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door | 737.54 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 19-0262 | EA | 36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door | 793.77 | 24.83 |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 19-0263 | | Solid Color Reinforced Composite, Toilet Partition Panels *(10 21 13 19-0256)* | | |
| 10 21 13 19-0264 | EA | 6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 182.58 | 33.11 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0265 | EA | 12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 246.23 | 35.87 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0266 | EA | 18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 338.96 | 38.63 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0267 | EA | 24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 432.68 | 41.39 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0268 | EA | 30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 483.17 | 44.15 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0269 | EA | 36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 536.24 | 46.91 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0270 | EA | 42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 627.47 | 49.67 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0271 | EA | 48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 721.44 | 52.43 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0272 | EA | 55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 769.73 | 55.19 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0273 | EA | 58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 791.37 | 56.29 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0274 | EA | 60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 806.35 | 57.95 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0275 | EA | 70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 930.05 | 60.71 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0276 | EA | 78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel | 1,126.84 | 63.47 |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0277 | | 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)* | | |
| 10 21 13 19-0278 | EA | Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 284.25 | 16.56 |
| | | *For 1" Pilaster, Add* | *31.39* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0279 | EA | 5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 327.09 | 19.31 |
| | | *For 1" Pilaster, Add* | *36.06* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0280 | EA | 6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 332.61 | 22.07 |
| | | *For 1" Pilaster, Add* | *36.06* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0281 | EA | 8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 385.56 | 24.83 |
| | | *For 1" Pilaster, Add* | *41.99* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0282 | EA | 10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 433.85 | 27.59 |
| | | *For 1" Pilaster, Add* | *47.33* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0283 | EA | 12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 482.13 | 30.35 |
| | | *For 1" Pilaster, Add* | *52.68* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0284 | EA | 16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 619.06 | 33.11 |
| | | *For 1" Pilaster, Add* | *69.10* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0285 | EA | 20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 762.20 | 35.87 |
| | | *For 1" Pilaster, Add* | *86.31* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0286 | EA | 24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 800.37 | 38.63 |
| | | *For 1" Pilaster, Add* | *90.39* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0287 | | 83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)* | | |
| 10 21 13 19-0288 | EA | Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 312.24 | 16.56 |
| | | *For 1" Pilaster, Add* | *34.89* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0289 | EA | 5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 365.97 | 19.31 |
| | | *For 1" Pilaster, Add* | *40.92* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0290 | EA | 6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 371.49 | 22.07 |
| | | *For 1" Pilaster, Add* | *40.92* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0291 | EA | 8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 430.66 | 24.83 |
| | | *For 1" Pilaster, Add* | *47.62* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0292 | EA | 10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 486.72 | 27.59 |
| | | *For 1" Pilaster, Add* | *53.94* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0293 | EA | 12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 543.18 | 30.35 |
| | | *For 1" Pilaster, Add* | *60.31* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0294 | EA | 16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 710.03 | 33.11 |
| | | *For 1" Pilaster, Add* | *80.48* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0295 | EA | 20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 847.35 | 35.87 |
| | | *For 1" Pilaster, Add* | *96.95* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0296 | EA | 24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 890.97 | 38.63 |
| | | *For 1" Pilaster, Add* | *101.71* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

### 10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0298 | EA | Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 351.28 | 22.07 |
| | | *For 1" Pilaster, Add* | *38.39* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0299 | EA | 5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 415.89 | 24.83 |
| | | *For 1" Pilaster, Add* | *45.78* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0300 | EA | 6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 421.41 | 27.59 |
| | | *For 1" Pilaster, Add* | *45.78* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0301 | EA | 8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 486.80 | 30.35 |
| | | *For 1" Pilaster, Add* | *53.26* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0302 | EA | 10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 550.63 | 33.11 |
| | | *For 1" Pilaster, Add* | *60.55* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0303 | EA | 12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 615.24 | 35.87 |
| | | *For 1" Pilaster, Add* | *67.94* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0304 | EA | 16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 812.04 | 38.63 |
| | | *For 1" Pilaster, Add* | *91.85* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0305 | EA | 20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 943.52 | 41.39 |
| | | *For 1" Pilaster, Add* | *107.59* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0306 | EA | 24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster | 992.58 | 44.15 |
| | | *For 1" Pilaster, Add* | *113.03* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

### 10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.

### 10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions *(10 21 13 19-0307)*

Note: Small particulate finish.

### 10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0310 | EA | 36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition | 5,115.63 | 124.17 |
| | | *For >10, Deduct* | *-486.73* | |
| | | *For Solid Color Material (No Particulate), Deduct* | *-1,119.47* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0311 | EA | 60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 6,184.36 | 135.21 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-1,360.20* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0312 | EA | 60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 6,862.27 | 140.73 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-1,513.58* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |

### 10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0314 | EA | 36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition | 5,303.40 | 151.77 |
| | | *For >10, Deduct* | *-499.99* | |
| | | *For Solid Color Material (No Particulate), Deduct* | *-1,149.97* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0315 | EA | 60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 6,983.55 | 162.81 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-1,531.33* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0316 | EA | 60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 7,736.13 | 168.33 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-1,701.88* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0317 | | Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)* | | |
| | | Note: Excludes above ceiling steel. | | |
| 10 21 13 19-0318 | EA | 36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition | 5,936.89 | 179.37 |
| | | *For >10, Deduct* | *-557.82* | |
| | | *For Solid Color Material (No Particulate), Deduct* | *-1,282.98* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0319 | EA | 60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 7,995.59 | 190.41 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-1,751.40* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0320 | EA | 60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 8,747.59 | 195.92 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-1,921.82* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0321 | | Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)* | | |
| | | Note: Excludes above ceiling steel. | | |
| 10 21 13 19-0322 | EA | 36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition | 5,984.92 | 206.96 |
| | | *For >10, Deduct* | *-557.10* | |
| | | *For Solid Color Material (No Particulate), Deduct* | *-1,281.33* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0323 | EA | 60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 7,665.69 | 218.00 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-1,662.83* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0324 | EA | 60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition | 8,417.67 | 223.52 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-1,833.25* | |
| | | *For Heavy Gauge Full-Height SS Hinges And Brackets, Add* | *217.99* | |
| 10 21 13 19-0325 | | Solid Polyester (Corian) Urinal Screens *(10 21 13 19-0307)* | | |
| 10 21 13 19-0326 | | Floor Anchored, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)* | | |
| 10 21 13 19-0327 | EA | 24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen | 1,392.51 | 77.24 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-284.75* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0328 | EA | 36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen | 1,848.14 | 82.75 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-387.01* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0329 | EA | 48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen | 2,303.77 | 88.27 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-489.26* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0330 | | Wall Hung, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)* | | |
| 10 21 13 19-0331 | EA | 18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen | 701.04 | 66.20 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-130.79* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0332 | EA | 24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen | 901.60 | 71.72 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-174.38* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0333 | EA | 30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen | 1,102.19 | 77.24 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-217.98* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0334 | | Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)* | | |
| 10 21 13 19-0335 | EA | 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen | 923.43 | 71.72 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-179.40* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0336 | EA | 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen | 1,156.77 | 77.24 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-230.53* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0337 | EA | 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen | 1,390.09 | 82.75 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-281.66* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

## 10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens

*(10 21 13 19-0325)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0339 | EA | 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen | 1,429.93 | 71.72 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-295.90* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0340 | EA | 34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen | 1,885.55 | 77.24 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-398.15* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0341 | EA | 46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen | 2,341.18 | 82.75 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-500.41* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

## 10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0307)*

See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

## 10 21 13 19-0343 Solid Polyester (Corian), Toilet Partition Doors *(10 21 13 19-0342)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0344 | EA | 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door | 1,118.55 | 22.07 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-247.11* | |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 19-0345 | EA | 26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door | 1,195.34 | 22.07 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-264.77* | |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 19-0346 | EA | 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door | 1,363.27 | 24.83 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-302.13* | |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 19-0347 | EA | 34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door | 1,521.73 | 24.83 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-338.57* | |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |
| 10 21 13 19-0348 | EA | 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door | 1,590.68 | 24.83 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-354.43* | |
| | | *For Heavy Gauge Full-Height SS Hinge, Add* | *97.19* | |

## 10 21 13 19-0349 Solid Polyester (Corian), Toilet Partition Panels *(10 21 13 19-0342)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 19-0350 | EA | 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 288.51 | 33.11 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-51.12* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0351 | EA | 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 516.34 | 35.87 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-102.26* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0352 | EA | 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 744.14 | 38.63 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-153.38* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0353 | EA | 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 971.97 | 41.39 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-204.51* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0354 | EA | 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 1,199.77 | 44.15 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-255.64* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0355 | EA | 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 1,427.56 | 46.91 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-306.76* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0356 | EA | 42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 1,655.39 | 49.67 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-357.89* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0357 | EA | 48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 1,883.19 | 52.43 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-409.02* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0358 | EA | 55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 2,148.05 | 55.19 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-468.66* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0359 | EA | 58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 2,261.42 | 56.29 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-494.23* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0360 | EA | 60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 2,338.82 | 57.95 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-511.27* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0361 | EA | 70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 2,714.82 | 60.71 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-596.48* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0362 | EA | 78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel | 3,016.72 | 63.47 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-664.65* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

## 10 21 13 19-0363 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0364 | EA | Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 381.98 | 16.56 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-80.24* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0365 | EA | 5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 474.72 | 19.31 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-100.30* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0366 | EA | 6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 567.46 | 22.07 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-120.36* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0367 | EA | 8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 747.44 | 24.83 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-160.49* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0368 | EA | 10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 927.40 | 27.59 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-200.61* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0369 | EA | 12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 1,107.36 | 30.35 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-240.73* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0370 | EA | 18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 1,636.19 | 33.11 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-361.09* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0371 | EA | 22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 1,990.61 | 35.87 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-441.34* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0372 | EA | 24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 2,170.56 | 38.63 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-481.46* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| **10 21 13 19-0373** | | **82" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)* | | |
| 10 21 13 19-0374 | EA | Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 430.43 | 16.56 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-91.38* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0375 | EA | 5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 535.31 | 19.31 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-114.24* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0376 | EA | 6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 628.80 | 22.07 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-134.47* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0377 | EA | 8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 859.50 | 24.83 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-186.26* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0378 | EA | 10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 1,048.53 | 27.59 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-228.47* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0379 | EA | 12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 1,252.71 | 30.35 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-274.16* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0380 | EA | 18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 1,854.25 | 33.11 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-411.24* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0381 | EA | 22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 2,257.12 | 35.87 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-502.64* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0382 | EA | 24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 2,461.30 | 38.63 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-548.33* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| **10 21 13 19-0383** | | **96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)* | | |
| 10 21 13 19-0384 | EA | Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 567.46 | 22.07 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-120.36* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0385 | EA | 5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 703.82 | 24.83 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-150.45* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0386 | EA | 6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 840.18 | 27.59 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-180.55* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0387 | EA | 8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 1,107.36 | 30.35 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-240.73* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0388 | EA | 10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 1,374.53 | 33.11 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-300.91* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0389 | EA | 12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 1,641.71 | 35.87 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-361.09* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0390 | EA | 18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 2,432.22 | 38.63 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-541.64* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |
| 10 21 13 19-0391 | EA | 22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 2,961.08 | 41.39 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-662.01* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 13 19-0392 | EA | 24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster | 3,228.25 | 44.15 |
| | | *For Solid Color Material (No Particulate), Deduct* | *-722.19* | |
| | | *For Heavy Gauge Full-Height SS Brackets, Add* | *60.40* | |

## 10 21 13 40 Stone Toilet Compartments *(10 21 13)*

### 10 21 13 40-0001 Stone Toilet Partitions And Urinal Screens *(10 21 13 40)*

### 10 21 13 40-0002 Floor And Ceiling Anchored, Stone Toilet Partitions And Urinal Screens *(10 21 13 40-0001)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 40-0003 | SF | Floor And Ceiling Anchored, Stone Toilet, Urinal Or Shower Partition (White Carrara)<br>Note: Thickness 1-1/4" to match standard of design. Facing: 1/4" thickness of natural marble as selected – panel to be double sided for an all stone finish. All exposed edges of panel shall be natural stone. Reinforcing: 3/4" aluminum honeycomb composite bonded with high strength epoxy. Incudes chrome-plated brass stirrup type U-brackets, chrome-plated brass HW and accessories, and theft-resistant-type heads and through-bolt application fasteners. | 97.36 | 17.66 |

## 10 21 13 43 Compartments and Cubicles Common Accessories *(10 21 13)*

### 10 21 13 43-0001 Accessories *(10 21 13 43)*

| | | | | |
|---|---|---|---|---|
| 10 21 13 43-0002 | LF | Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens | 14.29 | 2.21 |
| 10 21 13 43-0003 | LF | Stainless Steel Headrails For Toilet Partitions And Urinal Screens | 24.87 | 2.21 |
| 10 21 13 43-0004 | EA | Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts | 114.54 | |
| 10 21 13 43-0005 | EA | Replacement Of 58" Aluminum Wall U Bracket | 74.77 | |
| 10 21 13 43-0006 | EA | Replacement Of 58" Aluminum Wall Two Ear Bracket | 124.72 | |
| 10 21 13 43-0007 | EA | Replacement Of 54" Stainless Steel Wall U Bracket | 87.76 | |
| 10 21 13 43-0008 | EA | Replacement Of 54" Stainless Steel Wall Two Ear Bracket | 213.28 | |
| 10 21 13 43-0009 | EA | Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors | 193.38 | |
| 10 21 13 43-0010 | EA | Replacement Of 57-1/2" Stainless Steel Hinge | 142.83 | |

## 10 21 16 Shower and Dressing Compartments *(10 21)*

## 10 21 16 17 Phenolic-Core Shower and Dressing Compartments *(10 21 16)*

### 10 21 16 17-0001 Shower Dividers *(10 21 16 17)*

### 10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 17-0001)*

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

| | | | | |
|---|---|---|---|---|
| 10 21 16 17-0003 | EA | 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider | 1,289.03 | 137.97 |
| | | *For 66" High Panels, Add* | *151.96* | |
| 10 21 16 17-0004 | EA | 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider | 1,648.82 | 149.01 |
| | | *For 66" High Panels, Add* | *202.62* | |
| 10 21 16 17-0005 | EA | 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider | 2,164.35 | 165.57 |
| | | *For 66" High Panels, Add* | *274.98* | |
| 10 21 16 17-0006 | EA | 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider | 2,557.21 | 193.17 |
| | | *For 66" High Panels, Add* | *325.63* | |
| 10 21 16 17-0007 | EA | 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider | 2,950.11 | 220.76 |
| | | *For 66" High Panels, Add* | *376.29* | |

### 10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 17-0001)*

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Head rail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in head rail.

| | | | | |
|---|---|---|---|---|
| 10 21 16 17-0009 | EA | 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track | 3,218.66 | 242.50 |
| | | *For 66" High Panels, Add* | *458.55* | |
| | | *For 6" Wide Head Rail, Add* | *86.86* | |
| | | *For 8" Wide Head Rail, Add* | *119.05* | |
| | | *For 10" Wide Head Rail, Add* | *146.38* | |
| | | *For 12" Wide Head Rail, Add* | *176.15* | |
| | | *For 18" Wide, 1/2" Thick Bench, Add* | *133.50* | |
| | | *For 24" Wide, 1/2" Thick Bench, Add* | *173.50* | |
| 10 21 16 17-0010 | EA | 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track | 4,013.77 | 264.80 |
| | | *For 66" High Panels, Add* | *575.58* | |
| | | *For 6" Wide Head Rail, Add* | *109.82* | |
| | | *For 8" Wide Head Rail, Add* | *149.96* | |
| | | *For 10" Wide Head Rail, Add* | *184.80* | |
| | | *For 12" Wide Head Rail, Add* | *222.29* | |
| | | *For 18" Wide, 1/2" Thick Bench, Add* | *137.97* | |
| | | *For 24" Wide, 1/2" Thick Bench, Add* | *177.97* | |
| 10 21 16 17-0011 | EA | 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track | 5,119.31 | 281.58 |
| | | *For 66" High Panels, Add* | *739.74* | |
| | | *For 6" Wide Head Rail, Add* | *142.32* | |
| | | *For 8" Wide Head Rail, Add* | *193.51* | |
| | | *For 10" Wide Head Rail, Add* | *239.07* | |
| | | *For 12" Wide Head Rail, Add* | *287.45* | |
| | | *For 18" Wide, 1/2" Thick Bench, Add* | *141.32* | |
| | | *For 24" Wide, 1/2" Thick Bench, Add* | *181.32* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 21 16 17-0012 | EA | 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track | 5,454.23 | 315.02 |
| | | *For 66" High Panels, Add* | *786.63* | |
| | | *For 6" Wide Head Rail, Add* | *151.03* | |
| | | *For 8" Wide Head Rail, Add* | *205.57* | |
| | | *For 10" Wide Head Rail, Add* | *253.81* | |
| | | *For 12" Wide Head Rail, Add* | *305.20* | |
| | | *For 18" Wide, 1/2" Thick Bench, Add* | *148.00* | |
| | | *For 24" Wide, 1/2" Thick Bench, Add* | *188.00* | |
| 10 21 16 17-0013 | EA | 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track | 6,259.32 | 342.39 |
| | | *For 66" High Panels, Add* | *904.66* | |
| | | *For 6" Wide Head Rail, Add* | *174.08* | |
| | | *For 8" Wide Head Rail, Add* | *236.68* | |
| | | *For 10" Wide Head Rail, Add* | *292.42* | |
| | | *For 12" Wide Head Rail, Add* | *351.59* | |
| | | *For 18" Wide, 1/2" Thick Bench, Add* | *153.47* | |
| | | *For 24" Wide, 1/2" Thick Bench, Add* | *193.47* | |

## 10 22 Partitions *(10 20)*

### 10 22 13 Wire Mesh Partitions *(10 22)*

#### 10 22 13 00-0001 Wall Panels *(10 22 13)*

Note: Includes steel frame and posts. Posts bolted to floor.

| | | | | |
|---|---|---|---|---|
| 10 22 13 00-0002 | SF | Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts | 14.87 | 1.38 |
| | | *For 5' Wide Panels, Add* | *0.61* | |
| 10 22 13 00-0003 | SF | Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts | 16.45 | 1.65 |
| | | *For 5' Wide Panels, Add* | *0.66* | |
| 10 22 13 00-0004 | SF | Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts | 25.12 | 1.93 |
| | | *For 5' Wide Panels, Add* | *1.06* | |

#### 10 22 13 00-0005 Ceiling Panels *(10 22 13)*

Note: Includes steel frame.

| | | | | |
|---|---|---|---|---|
| 10 22 13 00-0006 | SF | Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts | 15.36 | 1.65 |
| 10 22 13 00-0007 | SF | Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts | 16.95 | 1.93 |
| 10 22 13 00-0008 | SF | Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts | 18.75 | 2.21 |

#### 10 22 13 00-0009 Sliding Doors *(10 22 13)*

Note: Includes padlocks lugs and/or provisions for cylinder lock.

| | | | | |
|---|---|---|---|---|
| 10 22 13 00-0010 | EA | 4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock | 1,374.77 | 289.75 |
| | | *For 8 Gauge, Add* | *148.27* | |
| | | *For 6 Gauge, Add* | *296.53* | |
| 10 22 13 00-0011 | EA | 4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock | 1,446.25 | 320.10 |
| | | *For 8 Gauge, Add* | *152.92* | |
| | | *For 6 Gauge, Add* | *305.84* | |
| 10 22 13 00-0012 | EA | 5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock | 1,584.24 | 331.14 |
| | | *For 8 Gauge, Add* | *171.41* | |
| | | *For 6 Gauge, Add* | *342.82* | |
| 10 22 13 00-0013 | EA | 5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock | 1,728.41 | 358.73 |
| | | *For 8 Gauge, Add* | *187.51* | |
| | | *For 6 Gauge, Add* | *375.03* | |
| 10 22 13 00-0014 | EA | 6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock | 1,786.02 | 380.81 |
| | | *For 8 Gauge, Add* | *191.74* | |
| | | *For 6 Gauge, Add* | *383.48* | |
| 10 22 13 00-0015 | EA | 6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock | 1,967.67 | 402.89 |
| | | *For 8 Gauge, Add* | *214.57* | |
| | | *For 6 Gauge, Add* | *429.15* | |
| 10 22 13 00-0016 | EA | 8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock | 2,114.65 | 433.24 |
| | | *For 8 Gauge, Add* | *230.55* | |
| | | *For 6 Gauge, Add* | *461.10* | |
| 10 22 13 00-0017 | EA | 8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock | 2,304.24 | 452.55 |
| | | *For 8 Gauge, Add* | *255.13* | |
| | | *For 6 Gauge, Add* | *510.25* | |
| 10 22 13 00-0018 | EA | 10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock | 2,323.63 | 463.59 |
| | | *For 8 Gauge, Add* | *255.83* | |
| | | *For 6 Gauge, Add* | *511.65* | |
| 10 22 13 00-0019 | EA | 10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock | 2,567.52 | 491.19 |
| | | *For 8 Gauge, Add* | *286.89* | |
| | | *For 6 Gauge, Add* | *573.78* | |

#### 10 22 13 00-0020 Swing Doors *(10 22 13)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **10 22 13 00-0021** | | **Single Swing Door** *(10 22 13 00-0020)* | | |
| 10 22 13 00-0022 | EA | 3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock | 942.14 | 171.09 |
| | | *For 8 Gauge, Add* | *104.53* | |
| | | *For 6 Gauge, Add* | *209.06* | |
| 10 22 13 00-0023 | EA | 3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock | 1,014.46 | 193.17 |
| | | *For 8 Gauge, Add* | *113.54* | |
| | | *For 6 Gauge, Add* | *227.07* | |
| 10 22 13 00-0024 | EA | 3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock | 1,087.75 | 204.20 |
| | | *For 8 Gauge, Add* | *122.32* | |
| | | *For 6 Gauge, Add* | *244.65* | |
| 10 22 13 00-0025 | EA | 4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock | 1,069.65 | 220.76 |
| | | *For 8 Gauge, Add* | *116.30* | |
| | | *For 6 Gauge, Add* | *232.59* | |
| 10 22 13 00-0026 | EA | 4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock | 1,145.63 | 231.79 |
| | | *For 8 Gauge, Add* | *125.49* | |
| | | *For 6 Gauge, Add* | *250.97* | |
| 10 22 13 00-0027 | EA | 4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock | 1,196.96 | 242.83 |
| | | *For 8 Gauge, Add* | *130.98* | |
| | | *For 6 Gauge, Add* | *261.95* | |
| **10 22 13 00-0028** | | **Double Swing Doors** *(10 22 13 00-0020)* | | |
| 10 22 13 00-0029 | EA | 6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock | 1,492.73 | 275.95 |
| | | *For 8 Gauge, Add* | *168.72* | |
| | | *For 6 Gauge, Add* | *337.44* | |
| 10 22 13 00-0030 | EA | 6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock | 1,616.53 | 292.51 |
| | | *For 8 Gauge, Add* | *183.98* | |
| | | *For 6 Gauge, Add* | *367.96* | |
| 10 22 13 00-0031 | EA | 6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock | 1,740.30 | 309.06 |
| | | *For 8 Gauge, Add* | *199.23* | |
| | | *For 6 Gauge, Add* | *398.46* | |
| 10 22 13 00-0032 | EA | 8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock | 1,868.13 | 331.14 |
| | | *For 8 Gauge, Add* | *213.99* | |
| | | *For 6 Gauge, Add* | *427.99* | |
| 10 22 13 00-0033 | EA | 8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock | 2,047.46 | 347.69 |
| | | *For 8 Gauge, Add* | *237.58* | |
| | | *For 6 Gauge, Add* | *475.16* | |
| 10 22 13 00-0034 | EA | 8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock | 2,224.68 | 364.25 |
| | | *For 8 Gauge, Add* | *260.85* | |
| | | *For 6 Gauge, Add* | *521.70* | |
| **10 22 13 00-0035** | | **Dutch Doors** *(10 22 13)* | | |
| | | Note: Includes padlocks lugs and/or provisions for cylinder lock. | | |
| 10 22 13 00-0036 | EA | 3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock | 1,287.76 | 171.09 |
| | | *For 8 Gauge, Add* | *156.37* | |
| | | *For 6 Gauge, Add* | *312.74* | |
| 10 22 13 00-0037 | EA | 3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock | 1,366.24 | 193.17 |
| | | *For 8 Gauge, Add* | *166.30* | |
| | | *For 6 Gauge, Add* | *332.61* | |
| 10 22 13 00-0038 | EA | 3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock | 1,405.35 | 204.20 |
| | | *For 8 Gauge, Add* | *169.96* | |
| | | *For 6 Gauge, Add* | *339.93* | |
| 10 22 13 00-0039 | EA | 3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock | 1,477.56 | 231.79 |
| | | *For 8 Gauge, Add* | *175.28* | |
| | | *For 6 Gauge, Add* | *350.55* | |
| 10 22 13 00-0040 | EA | 4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock | 1,420.27 | 220.76 |
| | | *For 8 Gauge, Add* | *168.89* | |
| | | *For 6 Gauge, Add* | *337.78* | |
| 10 22 13 00-0041 | EA | 4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock | 1,507.24 | 231.79 |
| | | *For 8 Gauge, Add* | *179.73* | |
| | | *For 6 Gauge, Add* | *359.45* | |

## 10 22 19 Demountable Partitions *(10 22)*

### 10 22 19 13 Demountable Metal Partitions *(10 22 19)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 22 19 13-0001 | LF | 9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick | 175.47 | 17.55 |
| | | *For >9, Add 21.93* | | |
| 10 22 19 13-0002 | LF | 7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick | 154.43 | 13.98 |
| | | *For >9, Add 19.30* | | |
| 10 22 19 13-0003 | LF | 5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick | 133.40 | 10.51 |
| | | *For >9, Add 16.68* | | |
| 10 22 19 13-0004 | LF | 9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel | 252.67 | 13.98 |
| | | *For >9, Add 31.58* | | |
| 10 22 19 13-0005 | LF | 9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric | 374.23 | 15.03 |
| | | *For >9, Add 46.78* | | |

## 10 22 19 43 Demountable Composite Partitions *(10 22 19)*

| | | | | |
|---|---|---|---|---|
| 10 22 19 43-0001 | LF | Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad | 273.67 | 17.55 |
| | | *For >9, Add 34.21* | | |
| 10 22 19 43-0002 | LF | Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad | 343.57 | 19.13 |
| | | *For >9, Add 42.95* | | |
| 10 22 19 43-0003 | SF | Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick | 57.79 | 2.63 |
| | | *For Acoustical Partitions, Add* | *5.26* | |
| 10 22 19 43-0004 | SF | Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick | 71.98 | 4.41 |
| | | *For Acoustical Partitions, Add* | *6.31* | |
| 10 22 19 43-0005 | SF | Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick | 61.64 | 2.73 |
| | | *For Acoustical Partitions, Add* | *5.61* | |
| 10 22 19 43-0006 | SF | Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick | 88.23 | 3.78 |
| | | *For Acoustical Partitions, Add* | *8.08* | |

## 10 22 19 53 Demountable Gypsum Partitions *(10 22 19)*

### 10 22 19 53-0001 Demountable Gypsum Partitions *(10 22 19 53)*

| | | | | |
|---|---|---|---|---|
| 10 22 19 53-0002 | LF | 9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad | 138.79 | 17.55 |
| | | *For >9, Add 17.35* | | |
| 10 22 19 53-0003 | LF | 9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad | 248.41 | 19.13 |
| | | *For >9, Add 31.05* | | |
| 10 22 19 53-0004 | LF | 9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad | 266.75 | 21.03 |
| | | *For >9, Add 33.34* | | |
| 10 22 19 53-0005 | LF | 9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad | 221.02 | 17.55 |
| | | *For >9, Add 27.63* | | |
| 10 22 19 53-0006 | LF | 9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad | 371.64 | 19.13 |
| | | *For >9, Add 46.46* | | |

## 10 22 23 Portable Partitions, Screens, and Panels *(10 22)*

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

## 10 22 23 23 Movable Panel Systems *(10 22 23)*

### 10 22 23 23-0001 Portable Partitions *(10 22 23 23)*

| | | | | |
|---|---|---|---|---|
| 10 22 23 23-0002 | LF | Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High | 350.26 | 8.41 |
| 10 22 23 23-0003 | LF | Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High | 373.20 | 9.35 |
| 10 22 23 23-0004 | LF | Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High | 443.63 | 11.25 |
| 10 22 23 23-0005 | LF | Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High | 258.82 | 4.84 |
| 10 22 23 23-0006 | LF | Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High | 274.46 | 5.57 |
| 10 22 23 23-0007 | LF | Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High | 308.30 | 6.72 |
| 10 22 23 23-0008 | LF | Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High | 263.10 | 5.15 |
| 10 22 23 23-0009 | LF | Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High | 467.97 | 9.35 |
| 10 22 23 23-0010 | LF | Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High | 513.83 | 11.25 |
| 10 22 23 23-0011 | LF | Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High | 272.48 | 6.41 |
| 10 22 23 23-0012 | LF | Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High | 309.86 | 7.46 |
| 10 22 23 23-0013 | LF | Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High | 249.89 | 5.57 |
| 10 22 23 23-0014 | LF | Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High | 280.22 | 6.72 |
| 10 22 23 23-0015 | LF | Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High | 415.32 | 9.35 |
| 10 22 23 23-0016 | LF | Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High | 468.20 | 11.25 |
| 10 22 23 23-0017 | LF | Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High | 422.34 | 9.35 |
| 10 22 23 23-0018 | LF | Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High | 513.83 | 11.25 |
| 10 22 23 23-0019 | LF | Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High | 327.11 | 5.57 |
| 10 22 23 23-0020 | LF | Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High | 367.97 | 6.72 |
| 10 22 23 23-0021 | LF | Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High | 345.59 | 5.15 |
| 10 22 23 23-0022 | LF | Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High | 412.33 | 6.10 |
| 10 22 23 23-0023 | LF | Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High | 198.77 | 6.41 |
| 10 22 23 23-0024 | LF | Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High | 234.40 | 7.46 |
| 10 22 23 23-0025 | LF | Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High | 211.78 | 6.72 |
| 10 22 23 23-0026 | LF | Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High | 154.29 | 5.15 |
| 10 22 23 23-0027 | LF | Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side | 252.14 | 6.72 |
| 10 22 23 23-0028 | LF | Partitions, Portable, Metal Chalkboard, 2 Sides | 287.79 | 7.05 |
| 10 22 23 23-0029 | LF | Partitions, Portable, Tackboard, Both Sides | 231.29 | 6.83 |

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| | | | MINOR CSI UOM DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) *(10 22 23 23)*
Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

| | | | | |
|---|---|---|---|---|
| 10 22 23 23-0031 | EA | 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000) | 689.84 | |
| 10 22 23 23-0032 | EA | 3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001) | 655.17 | |
| 10 22 23 23-0033 | EA | 2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002) | 516.51 | |
| 10 22 23 23-0034 | EA | 2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1) | 597.40 | |
| 10 22 23 23-0035 | EA | 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) | 1,169.37 | |
| 10 22 23 23-0036 | EA | 7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004) | 235.84 | |
| 10 22 23 23-0037 | EA | 6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005) | 316.04 | |
| 10 22 23 23-0038 | EA | 12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006) | 339.15 | |
| 10 22 23 23-0039 | EA | 7'-8" To 10' High, Outside Corner Post (Edge Guard 4007) | 195.39 | |
| 10 22 23 23-0040 | EA | 4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)<br>Note: Includes a hydraulic closer and a lever style lockset standard. | 1,400.47 | |
| 10 22 23 23-0041 | EA | 7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009) | 195.39 | |
| 10 22 23 23-0042 | EA | 3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010)<br>Note: Includes a hydraulic closer and a lever style lockset standard. | 1,053.82 | |
| 10 22 23 23-0043 | EA | Closure Strips (Edge Guard 3003)<br>Note: To seal panels to existing walls | 14.09 | |
| 10 22 23 23-0044 | EA | Digital Differential Pressure Gauge Kit (Edge Guard 3005) | 323.28 | |

## 10 22 33 Accordion Folding Partitions *(10 22)*

10 22 33 00-0001 Accordion Doors/Partitions *(10 22 33)*
Note: Includes top support track and assembled panels.

| | | | | |
|---|---|---|---|---|
| 10 22 33 00-0002 | SF | 15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish | 90.39 | 5.20 |
| | | *For <135, Add* | *18.08* | |
| 10 22 33 00-0003 | SF | 20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish | 91.76 | 5.38 |
| | | *For <135, Add* | *18.35* | |
| 10 22 33 00-0004 | SF | 31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish | 96.13 | 5.55 |
| | | *For <135, Add* | *19.23* | |
| 10 22 33 00-0005 | SF | 35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish | 102.05 | 5.73 |
| | | *For <135, Add* | *20.41* | |
| 10 22 33 00-0006 | SF | 39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish | 103.81 | 5.90 |
| | | *For <135, Add* | *20.76* | |
| 10 22 33 00-0007 | SF | 40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish | 105.04 | 6.08 |
| | | *For <135, Add* | *21.01* | |
| 10 22 33 00-0008 | SF | 41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish | 106.23 | 6.24 |
| | | *For <135, Add* | *21.25* | |
| 10 22 33 00-0009 | SF | 44 STC Rating, Accordion Door/Partition With Standard Vinyl Finish | 107.70 | 6.59 |
| | | *For <135, Add* | *21.54* | |
| 10 22 33 00-0010 | SF | 47 STC Rating, Accordion Door/Partition With Standard Vinyl Finish | 114.28 | 6.59 |
| | | *For <135, Add* | *22.86* | |
| 10 22 33 00-0011 | SF | 50 STC Rating, Accordion Door/Partition With Standard Vinyl Finish | 120.86 | 6.59 |
| | | *For <135, Add* | *24.17* | |

## 10 22 43 Sliding Partitions *(10 22)*

10 22 43 00-0001 Operable Wall *(10 22 43)*
Note: Includes top support track, assembled panel and frames.

| | | | | |
|---|---|---|---|---|
| 10 22 43 00-0002 | SF | Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating | 241.27 | 21.65 |
| | | Note: Includes pocket door, two ADA pass doors, track and hardware. | | |
| | | *For 43 STC, Deduct* | *-11.40* | |
| | | *For 49 STC, Add* | *14.47* | |
| | | *For 52 STC, Add* | *21.92* | |
| 10 22 43 00-0003 | SF | >720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating | 224.28 | 17.44 |
| | | Note: Includes pocket door, two ADA pass doors, track and hardware. | | |
| | | *For 43 STC, Deduct* | *-11.15* | |
| | | *For 49 STC, Add* | *14.16* | |
| | | *For 52 STC, Add* | *21.45* | |
| 10 22 43 00-0004 | SF | >1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating | 211.74 | 14.48 |
| | | Note: Includes pocket door, two ADA pass doors, track and hardware. | | |
| | | *For 43 STC, Deduct* | *-10.92* | |
| | | *For 49 STC, Add* | *13.86* | |
| | | *For 52 STC, Add* | *20.99* | |
| 10 22 43 00-0005 | SF | Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating | 205.80 | 15.21 |
| | | Note: Includes pocket door, two ADA pass doors, track and hardware. | | |
| | | *For 43 STC, Deduct* | *-10.38* | |
| | | *For 49 STC, Add* | *13.17* | |
| | | *For 52 STC, Add* | *19.96* | |
| 10 22 43 00-0006 | SF | >1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating | 192.75 | 12.37 |
| | | Note: Includes pocket door, two ADA pass doors, track and hardware. | | |
| | | *For 43 STC, Deduct* | *-10.08* | |
| | | *For 49 STC, Add* | *12.80* | |
| | | *For 52 STC, Add* | *19.39* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 22 43 00-0007 | SF | >1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating | 185.05 | 11.13 |
| | | Note: Includes pocket door, two ADA pass doors, track and hardware. | | |
| | | *For 43 STC, Deduct* | *-9.84* | |
| | | *For 49 STC, Add* | *12.49* | |
| | | *For 52 STC, Add* | *18.93* | |
| 10 22 43 00-0008 | SF | Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating | 182.84 | 12.00 |
| | | Note: Includes pocket door, two ADA pass doors, track and hardware. | | |
| | | *For 43 STC, Deduct* | *-9.53* | |
| | | *For 49 STC, Add* | *12.09* | |
| | | *For 52 STC, Add* | *18.33* | |
| 10 22 43 00-0009 | SF | >1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating | 172.89 | 10.27 |
| | | Note: Includes pocket door, two ADA pass doors, track and hardware. | | |
| | | *For 43 STC, Deduct* | *-9.23* | |
| | | *For 49 STC, Add* | *11.71* | |
| | | *For 52 STC, Add* | *17.75* | |
| 10 22 43 00-0010 | SF | >2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating | 166.05 | 9.15 |
| | | Note: Includes pocket door, two ADA pass doors, track and hardware. | | |
| | | *For 43 STC, Deduct* | *-8.99* | |
| | | *For 49 STC, Add* | *11.41* | |
| | | *For 52 STC, Add* | *17.29* | |
| 10 22 43 00-0011 | SF | Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating | 189.56 | 14.48 |
| | | Note: Includes pocket door, track and hardware. | | |
| | | *For 44 STC, Deduct* | *-9.46* | |
| | | *For 49 STC, Add* | *12.01* | |
| | | *For 52 STC, Add* | *18.19* | |
| 10 22 43 00-0012 | SF | >160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating | 175.04 | 11.01 |
| | | Note: Includes pocket door, track and hardware. | | |
| | | *For 44 STC, Deduct* | *-9.21* | |
| | | *For 49 STC, Add* | *11.69* | |
| | | *For 52 STC, Add* | *17.71* | |
| 10 22 43 00-0013 | SF | >240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating | 166.57 | 9.28 |
| | | Note: Includes pocket door, track and hardware. | | |
| | | *For 44 STC, Deduct* | *-8.99* | |
| | | *For 49 STC, Add* | *11.42* | |
| | | *For 52 STC, Add* | *17.30* | |

### 10 22 43 00-0014 Custom Operable Partition Wall *(10 22 43)*

| | | | | |
|---|---|---|---|---|
| 10 22 43 00-0015 | SF | 8'-5" Height, Folding Panel Partition System, 56 STC Rating (Kwik-Wal Model 3020) | 254.59 | 14.48 |
| | | Note: Includes Steel Frame, Track Suspension System to GC supplied Structural Support System. Panel Finish: "MAHARAM, MODE, 009 CLAVICLE" Included. 1 Wall: 11'0" x 8'5" (3 Panels), 1 Wall: 22'0 x 8'5" (6 panels). Panel 2, 3 & 4 to have 4x4 MARKER BOARD (two sides) | | |
| 10 22 43 00-0016 | SF | 8'-5" Height, Operable Partition, Single Panel Manually Operated, 56 STC Rating 4.25" Acoustic Panel Partition (Modernfold ENCORE®) | 350.39 | 5.72 |
| | | Note: Includes #RT100 track and trolley, SureSet™ 2" manual bottom seals, and expandable closure. Finish: Maharam Mode 009 Clavicle with (6) 48" marker boards - 3 on each side. Refer to elevation exhibit. Based on two openings, offset remote stack, with sizes to be (1) 11'-0"w x 8'-5"h and (1) 21'-10"w x 8'-5"h. No pocket doors. Doors at operable wall enclosures shall be custom millwork to match adjacent wood wall paneling (WD-1), not Modernfold pocket doors. (Use separate door task for this scope). Excludes upper structure support steel, engineering calculations, engineering of supporting materials, suspended guide rails holder, and welding of materials. | | |

## 10 26 Wall and Door Protection *(10 20)*

### 10 26 13 Corner Guards *(10 26)*

#### 10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

#### 10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

#### 10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

#### 10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

| | | | | |
|---|---|---|---|---|
| 10 26 13 00-0005 | LF | 3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34) | 7.71 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.59* | |
| 10 26 13 00-0006 | LF | 1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12) | 8.24 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.62* | |
| 10 26 13 00-0007 | LF | 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13) | 11.19 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.77* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 26 13 00-0008 | LF | 4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14) | 14.88 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.95* | |
| 10 26 13 00-0009 | | 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)* | | |
| 10 26 13 00-0010 | LF | 1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245) | 14.21 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.92* | |
| 10 26 13 00-0011 | | Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)* | | |
| | | Note: Includes closure caps. | | |
| 10 26 13 00-0012 | | Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)* | | |
| 10 26 13 00-0013 | | 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)* | | |
| 10 26 13 00-0014 | LF | 2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20) | 14.28 | 4.96 |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100 To 200, Deduct* | *-2.89* | |
| | | *For >200, Deduct* | *-4.02* | |
| | | *For Recycled Vinyl Retainer, Deduct* | *-1.20* | |
| 10 26 13 00-0015 | LF | 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10) | 15.92 | 4.96 |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100 To 200, Deduct* | *-2.89* | |
| | | *For >200, Deduct* | *-4.10* | |
| | | *For Recycled Vinyl Retainer, Deduct* | *-1.53* | |
| 10 26 13 00-0016 | LF | Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30) | 17.56 | 4.96 |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100 To 200, Deduct* | *-2.89* | |
| | | *For >200, Deduct* | *-4.19* | |
| | | *For Recycled Vinyl Retainer, Deduct* | *-1.86* | |
| 10 26 13 00-0017 | | 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)* | | |
| 10 26 13 00-0018 | LF | 3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135) | 20.63 | 4.96 |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100 To 200, Deduct* | *-2.89* | |
| | | *For >200, Deduct* | *-4.34* | |
| | | *For Recycled Vinyl Retainer, Deduct* | *-2.47* | |
| 10 26 13 00-0019 | | End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)* | | |
| | | Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards. | | |
| 10 26 13 00-0020 | LF | 2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11) | 29.28 | 6.62 |
| | | *For >50 To 100, Deduct* | *-2.76* | |
| | | *For >100 To 200, Deduct* | *-3.86* | |
| | | *For >200, Deduct* | *-5.88* | |
| | | *For Recycled Vinyl Retainer, Deduct* | *-3.65* | |
| 10 26 13 00-0021 | | Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)* | | |
| 10 26 13 00-0022 | | 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)* | | |
| 10 26 13 00-0023 | LF | 2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72) | 19.00 | 4.96 |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100 To 200, Deduct* | *-2.89* | |
| | | *For >200, Deduct* | *-4.26* | |
| | | *For Up To 2 HR Fire Rated, Add* | *7.51* | |
| 10 26 13 00-0024 | LF | 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7) | 22.89 | 4.96 |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100 To 200, Deduct* | *-2.89* | |
| | | *For >200, Deduct* | *-4.45* | |
| | | *For Up To 2 HR Fire Rated, Add* | *10.23* | |
| 10 26 13 00-0025 | LF | Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32) | 21.22 | 4.96 |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100 To 200, Deduct* | *-2.89* | |
| | | *For >200, Deduct* | *-4.37* | |
| | | *For Up To 2 HR Fire Rated, Add* | *9.07* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 26 13 00-0026 | | 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)* | | |
| 10 26 13 00-0027 | LF | 3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75) | 24.55 | 4.96 |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100 To 200, Deduct* | *-2.89* | |
| | | *For >200, Deduct* | *-4.54* | |
| | | *For Up To 2 HR Fire Rated, Add* | *11.40* | |
| 10 26 13 00-0028 | | End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)* | | |
| | | Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards. | | |
| 10 26 13 00-0029 | LF | 2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888) | 51.39 | 6.62 |
| | | *For >50 To 100, Deduct* | *-2.76* | |
| | | *For >100 To 200, Deduct* | *-3.86* | |
| | | *For >200, Deduct* | *-6.98* | |
| | | *For Up To 2 HR Fire Rated, Add* | *28.25* | |
| 10 26 13 00-0030 | | Flexible Vinyl Corner Guards *(10 26 13 00-0001)* | | |
| | | Note: Includes adhesive for installation. | | |
| 10 26 13 00-0031 | | Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)* | | |
| 10 26 13 00-0032 | | 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0031)* | | |
| 10 26 13 00-0033 | LF | 1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9) | 10.58 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.74* | |
| | | *For Bolting To Concrete Or Masonry, Add* | *2.42* | |
| 10 26 13 00-0034 | LF | 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3) | 13.51 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.88* | |
| | | *For Bolting To Concrete Or Masonry, Add* | *2.85* | |
| 10 26 13 00-0035 | LF | 4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15) | 15.88 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-3.00* | |
| | | *For Bolting To Concrete Or Masonry, Add* | *3.21* | |
| 10 26 13 00-0036 | | Polycarbonate Corner Guards *(10 26 13)* | | |
| 10 26 13 00-0037 | | Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0036)* | | |
| 10 26 13 00-0038 | | 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)* | | |
| 10 26 13 00-0039 | LF | 3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16) | 7.05 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.56* | |
| 10 26 13 00-0040 | LF | 1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17) | 8.48 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.63* | |
| 10 26 13 00-0041 | LF | 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24) | 10.15 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.72* | |
| 10 26 13 00-0042 | LF | 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18) | 11.16 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.77* | |
| 10 26 13 00-0043 | LF | Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23) | 10.79 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.75* | |
| 10 26 13 00-0044 | | 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)* | | |
| 10 26 13 00-0045 | LF | 2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19) | 11.16 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.77* | |
| 10 26 13 00-0046 | | Aluminum Corner Guards *(10 26 13)* | | |
| 10 26 13 00-0047 | | Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0046)* | | |
| 10 26 13 00-0048 | | 90 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 26 13 00-0049 | LF | 1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400) | 9.96 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.71* | |
| 10 26 13 00-0050 | LF | 2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401) | 11.89 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.80* | |
| 10 26 13 00-0051 | LF | 3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402) | 13.09 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.86* | |

### 10 26 13 00-0052 135 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*

| | | | | |
|---|---|---|---|---|
| 10 26 13 00-0053 | LF | 1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403) | 9.96 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.71* | |
| 10 26 13 00-0054 | LF | 2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404) | 11.89 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.80* | |
| 10 26 13 00-0055 | LF | 3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405) | 13.09 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.86* | |

### 10 26 13 00-0056 Steel Corner Guards *(10 26 13)*

### 10 26 13 00-0057 Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*

### 10 26 13 00-0058 Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*

### 10 26 13 00-0059 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*

| | | | | |
|---|---|---|---|---|
| 10 26 13 00-0060 | LF | 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard | 12.89 | 3.98 |
| | | *For Galvanizing, Add* | *2.19* | |
| | | *For >50 To 100, Deduct* | *-1.66* | |
| | | *For >100 To 200, Deduct* | *-2.32* | |
| | | *For >200, Deduct* | *-3.29* | |
| 10 26 13 00-0061 | LF | 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard | 16.32 | 4.30 |
| | | *For Galvanizing, Add* | *3.20* | |
| | | *For >50 To 100, Deduct* | *-1.79* | |
| | | *For >100 To 200, Deduct* | *-2.51* | |
| | | *For >200, Deduct* | *-3.68* | |
| 10 26 13 00-0062 | LF | 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard | 17.35 | 4.47 |
| | | *For Galvanizing, Add* | *3.47* | |
| | | *For >50 To 100, Deduct* | *-1.86* | |
| | | *For >100 To 200, Deduct* | *-2.61* | |
| | | *For >200, Deduct* | *-3.85* | |
| 10 26 13 00-0063 | LF | 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard | 17.74 | 4.63 |
| | | *For Galvanizing, Add* | *3.51* | |
| | | *For >50 To 100, Deduct* | *-1.93* | |
| | | *For >100 To 200, Deduct* | *-2.70* | |
| | | *For >200, Deduct* | *-3.98* | |
| 10 26 13 00-0064 | LF | 3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard | 22.01 | 4.80 |
| | | *For Galvanizing, Add* | *4.90* | |
| | | *For >50 To 100, Deduct* | *-2.00* | |
| | | *For >100 To 200, Deduct* | *-2.80* | |
| | | *For >200, Deduct* | *-4.30* | |
| 10 26 13 00-0065 | LF | 4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard | 26.30 | 4.96 |
| | | *For Galvanizing, Add* | *6.31* | |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100 To 200, Deduct* | *-2.89* | |
| | | *For >200, Deduct* | *-4.62* | |
| 10 26 13 00-0066 | LF | 6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard | 44.66 | 6.62 |
| | | *For Galvanizing, Add* | *11.77* | |
| | | *For >50 To 100, Deduct* | *-2.76* | |
| | | *For >100 To 200, Deduct* | *-3.86* | |
| | | *For >200, Deduct* | *-6.65* | |

### 10 26 13 00-0067 Stainless Steel Corner Guards *(10 26 13)*

### 10 26 13 00-0068 Stainless Steel Corner Guards *(10 26 13 00-0067)*

Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.

### 10 26 13 00-0069 Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*

### 10 26 13 00-0070 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*

| | | | | |
|---|---|---|---|---|
| 10 26 13 00-0071 | LF | 1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520) | 11.06 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.76* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 26 13 00-0072 | LF | 2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510) | 12.76 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-2.85* | |
| 10 26 13 00-0073 | LF | 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500) | 17.19 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-3.07* | |
| 10 26 13 00-0074 | LF | Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550) | 17.19 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-3.07* | |
| 10 26 13 00-0075 | | 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)* | | |
| 10 26 13 00-0076 | LF | 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600) | 17.19 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-3.07* | |
| 10 26 13 00-0077 | LF | Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650) | 17.19 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-3.07* | |
| 10 26 13 00-0078 | | Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)* | | |
| 10 26 13 00-0079 | | Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0078)* | | |
| 10 26 13 00-0080 | | 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0079)* | | |
| 10 26 13 00-0081 | LF | 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard | 21.10 | 3.98 |
| | | *For >50 To 100, Deduct* | *-1.66* | |
| | | *For >100 To 200, Deduct* | *-2.32* | |
| | | *For >200, Deduct* | *-3.70* | |
| 10 26 13 00-0082 | LF | 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard | 34.62 | 4.30 |
| | | *For >50 To 100, Deduct* | *-1.79* | |
| | | *For >100 To 200, Deduct* | *-2.51* | |
| | | *For >200, Deduct* | *-4.60* | |
| 10 26 13 00-0083 | LF | 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard | 48.11 | 4.47 |
| | | *For >50 To 100, Deduct* | *-1.86* | |
| | | *For >100 To 200, Deduct* | *-2.61* | |
| | | *For >200, Deduct* | *-5.39* | |
| 10 26 13 00-0084 | LF | 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard | 45.00 | 4.63 |
| | | *For >50 To 100, Deduct* | *-1.93* | |
| | | *For >100 To 200, Deduct* | *-2.70* | |
| | | *For >200, Deduct* | *-5.34* | |
| 10 26 13 00-0085 | LF | 3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard | 63.97 | 4.80 |
| | | *For >50 To 100, Deduct* | *-2.00* | |
| | | *For >100 To 200, Deduct* | *-2.80* | |
| | | *For >200, Deduct* | *-6.40* | |
| 10 26 13 00-0086 | LF | 4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard | 59.19 | 4.96 |
| | | *For >50 To 100, Deduct* | *-2.07* | |
| | | *For >100 To 200, Deduct* | *-2.89* | |
| | | *For >200, Deduct* | *-6.27* | |
| 10 26 13 00-0087 | | Rubber Corner Guards *(10 26 13)* | | |
| | | Note: Includes adhesive for installation. | | |
| 10 26 13 00-0088 | | Natural Rubber Corner Guards *(10 26 13 00-0087)* | | |
| 10 26 13 00-0089 | | Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0088)* | | |
| 10 26 13 00-0090 | | 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0089)* | | |
| 10 26 13 00-0091 | LF | 4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5) | 49.36 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-4.68* | |
| | | *For Bolting To Concrete Or Masonry, Add* | *8.23* | |
| 10 26 13 00-0092 | | Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0087)* | | |
| 10 26 13 00-0093 | | Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0092)* | | |
| 10 26 13 00-0094 | | 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0093)* | | |
| 10 26 13 00-0095 | LF | 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2) | 22.36 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-3.33* | |
| | | *For Bolting To Concrete Or Masonry, Add* | *4.18* | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 26 13 00-0096 | | Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0087)* | | |
| 10 26 13 00-0097 | | Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0096)* | | |
| 10 26 13 00-0098 | | 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0097)* | | |
| 10 26 13 00-0099 | LF | 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E) | 19.66 | 3.31 |
| | | *For >50 To 100, Deduct* | *-1.38* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-3.19* | |
| | | *For Bolting To Concrete Or Masonry, Add* | *3.78* | |
| **10 26 16** | | **Bumper Guards** *(10 26)* | | |
| **10 26 16 13** | | **Bumper Rails** *(10 26 16)* | | |
| 10 26 16 13-0001 | | Crash Rails *(10 26 16 13)* Note: Includes end caps. | | |
| 10 26 16 13-0002 | | Polycarbonate Crash Rails *(10 26 16 13-0001)* | | |
| 10 26 16 13-0003 | LF | 3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3) | 12.40 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-4.15* | |
| 10 26 16 13-0004 | LF | 4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4) | 13.67 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-4.22* | |
| 10 26 16 13-0005 | | Aluminum Crash Rails *(10 26 16 13-0001)* | | |
| 10 26 16 13-0006 | LF | 4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100) | 35.74 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-5.32* | |
| 10 26 16 13-0007 | | Stainless Steel Crash Rails *(10 26 16 13-0001)* | | |
| 10 26 16 13-0008 | LF | 4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100) | 62.64 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-6.66* | |
| 10 26 16 13-0009 | LF | 5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200) | 49.19 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-5.99* | |
| 10 26 16 13-0010 | | Wall Guards *(10 26 16 13)* | | |
| 10 26 16 13-0011 | | Rigid Vinyl Wall Guards With Aluminum Retainers *(10 26 16 13-0010)* Note: Includes end caps. | | |
| 10 26 16 13-0012 | LF | 1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1) | 12.77 | 3.87 |
| | | *For >50 To 100, Deduct* | *-1.93* | |
| | | *For >100 To 200, Deduct* | *-2.70* | |
| | | *For >200, Deduct* | *-3.73* | |
| 10 26 16 13-0013 | LF | 3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3) | 15.54 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-4.31* | |
| 10 26 16 13-0014 | LF | 4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4) | 16.79 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-4.37* | |
| 10 26 16 13-0015 | LF | 5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5) | 17.47 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-4.41* | |
| 10 26 16 13-0016 | LF | 6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6) | 20.82 | 4.69 |
| | | *For >50 To 100, Deduct* | *-2.35* | |
| | | *For >100 To 200, Deduct* | *-3.28* | |
| | | *For >200, Deduct* | *-4.79* | |
| 10 26 16 13-0017 | LF | 8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7) | 20.93 | 4.69 |
| | | *For >50 To 100, Deduct* | *-2.35* | |
| | | *For >100 To 200, Deduct* | *-3.28* | |
| | | *For >200, Deduct* | *-4.80* | |
| 10 26 16 13-0018 | LF | 7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8) | 21.53 | 4.69 |
| | | *For >50 To 100, Deduct* | *-2.35* | |
| | | *For >100 To 200, Deduct* | *-3.28* | |
| | | *For >200, Deduct* | *-4.83* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 26 16 13-0019 | LF | 12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12) | 25.85 | 4.96 |
| | | *For >50 To 100, Deduct* | *-2.48* | |
| | | *For >100 To 200, Deduct* | *-3.47* | |
| | | *For >200, Deduct* | *-5.26* | |

### 10 26 16 13-0020 Rubber Wall Guards *(10 26 16 13-0010)*

### 10 26 16 13-0021 D-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

| | | | | |
|---|---|---|---|---|
| 10 26 16 13-0022 | LF | 2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2) | 17.07 | 3.87 |
| | | *For >50 To 100, Deduct* | *-1.93* | |
| | | *For >100 To 200, Deduct* | *-2.70* | |
| | | *For >200, Deduct* | *-3.94* | |
| 10 26 16 13-0023 | LF | 3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3) | 24.97 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-4.78* | |
| 10 26 16 13-0024 | LF | 4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4) | 36.61 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-5.36* | |
| 10 26 16 13-0025 | LF | 6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6) | 51.27 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-6.10* | |

### 10 26 16 13-0026 Rectangular, Rubber Wall Guards *(10 26 16 13-0020)*

| | | | | |
|---|---|---|---|---|
| 10 26 16 13-0027 | LF | 8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1) | 39.18 | 4.69 |
| | | *For >50 To 100, Deduct* | *-2.35* | |
| | | *For >100 To 200, Deduct* | *-3.28* | |
| | | *For >200, Deduct* | *-5.71* | |
| 10 26 16 13-0028 | LF | 9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2) | 49.34 | 4.96 |
| | | *For >50 To 100, Deduct* | *-2.48* | |
| | | *For >100 To 200, Deduct* | *-3.47* | |
| | | *For >200, Deduct* | *-6.44* | |

### 10 26 16 13-0029 Wing Type, Rubber Wall Guards *(10 26 16 13-0020)*

| | | | | |
|---|---|---|---|---|
| 10 26 16 13-0030 | LF | 6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20) | 63.99 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-6.73* | |
| 10 26 16 13-0031 | LF | 6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30) | 68.02 | 4.41 |
| | | *For >50 To 100, Deduct* | *-2.21* | |
| | | *For >100 To 200, Deduct* | *-3.09* | |
| | | *For >200, Deduct* | *-6.93* | |
| 10 26 16 13-0032 | LF | 3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25) | 31.24 | 3.87 |
| | | *For >50 To 100, Deduct* | *-1.93* | |
| | | *For >100 To 200, Deduct* | *-2.70* | |
| | | *For >200, Deduct* | *-4.65* | |

### 10 26 16 13-0033 U-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

| | | | | |
|---|---|---|---|---|
| 10 26 16 13-0034 | LF | 3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4) | 54.11 | 4.69 |
| | | *For >50 To 100, Deduct* | *-2.35* | |
| | | *For >100 To 200, Deduct* | *-3.28* | |
| | | *For >200, Deduct* | *-6.46* | |
| 10 26 16 13-0035 | LF | 4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3) | 60.50 | 4.69 |
| | | *For >50 To 100, Deduct* | *-2.35* | |
| | | *For >100 To 200, Deduct* | *-3.28* | |
| | | *For >200, Deduct* | *-6.78* | |

### 10 26 16 13-0036 Accent Rails *(10 26 16 13)*

Note: Includes end caps.

### 10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers *(10 26 16 13-0036)*

| | | | | |
|---|---|---|---|---|
| 10 26 16 13-0038 | LF | 1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25) | 14.97 | 3.87 |
| | | *For >50 To 100, Deduct* | *-1.93* | |
| | | *For >100 To 200, Deduct* | *-2.70* | |
| | | *For >200, Deduct* | *-3.84* | |
| 10 26 16 13-0039 | LF | 2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30) | 14.99 | 3.87 |
| | | *For >50 To 100, Deduct* | *-1.93* | |
| | | *For >100 To 200, Deduct* | *-2.70* | |
| | | *For >200, Deduct* | *-3.84* | |
| 10 26 16 13-0040 | LF | 2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22) | 21.19 | 3.87 |
| | | *For >50 To 100, Deduct* | *-1.93* | |
| | | *For >100 To 200, Deduct* | *-2.70* | |
| | | *For >200, Deduct* | *-4.15* | |

## 10 26 16 16 Protective Corridor Handrails *(10 26 16)*

### 10 26 16 16-0001 Protective Corridor Handrails *(10 26 16 16)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 10 26 16 16-0002 Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*

| | | | | |
|---|---|---|---|---|
| 10 26 16 16-0003 | LF | 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN) | 32.37 | 8.27 |
| | | *For >50 To 100, Deduct* | *-4.14* | |
| | | *For >100 To 200, Deduct* | *-5.79* | |
| | | *For >200, Deduct* | *-8.24* | |
| 10 26 16 16-0004 | EA | End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn) | 27.85 | 8.27 |
| | | *For >25 To 50, Deduct* | *-4.14* | |
| | | *For >50 To 100, Deduct* | *-5.79* | |
| | | *For >100, Deduct* | *-8.01* | |
| 10 26 16 16-0005 | LF | 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C) | 45.93 | 8.27 |
| | | *For >50 To 100, Deduct* | *-4.14* | |
| | | *For >100 To 200, Deduct* | *-5.79* | |
| | | *For >200, Deduct* | *-8.92* | |
| 10 26 16 16-0006 | EA | End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn) | 36.89 | 8.27 |
| | | *For >25 To 50, Deduct* | *-4.14* | |
| | | *For >50 To 100, Deduct* | *-5.79* | |
| | | *For >100, Deduct* | *-8.46* | |
| 10 26 16 16-0007 | LF | 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN) | 48.19 | 8.27 |
| | | *For >50 To 100, Deduct* | *-4.14* | |
| | | *For >100 To 200, Deduct* | *-5.79* | |
| | | *For >200, Deduct* | *-9.03* | |
| 10 26 16 16-0008 | EA | End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn) | 52.71 | 8.27 |
| | | *For >25 To 50, Deduct* | *-4.14* | |
| | | *For >50 To 100, Deduct* | *-5.79* | |
| | | *For >100, Deduct* | *-9.26* | |
| 10 26 16 16-0009 | LF | 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN) | 64.00 | 8.27 |
| | | *For >50 To 100, Deduct* | *-4.14* | |
| | | *For >100 To 200, Deduct* | *-5.79* | |
| | | *For >200, Deduct* | *-9.82* | |
| 10 26 16 16-0010 | EA | End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn) | 70.78 | 8.27 |
| | | *For >25 To 50, Deduct* | *-4.14* | |
| | | *For >50 To 100, Deduct* | *-5.79* | |
| | | *For >100, Deduct* | *-10.16* | |

### 10 26 16 16-0011 Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*

| | | | | |
|---|---|---|---|---|
| 10 26 16 16-0012 | LF | 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS) | 86.60 | 8.27 |
| | | *For >50 To 100, Deduct* | *-4.14* | |
| | | *For >100 To 200, Deduct* | *-5.79* | |
| | | *For >200, Deduct* | *-10.95* | |
| 10 26 16 16-0013 | EA | End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn) | 88.86 | 8.27 |
| | | *For >25 To 50, Deduct* | *-4.14* | |
| | | *For >50 To 100, Deduct* | *-5.79* | |
| | | *For >100, Deduct* | *-11.06* | |

### 10 26 16 16-0014 Hardwood Protective Corridor Handrails *(10 26 16 16-0001)*

Note: Includes end caps.

| | | | | |
|---|---|---|---|---|
| 10 26 16 16-0015 | LF | 4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C) | 30.00 | 6.19 |
| | | *For >50 To 100, Deduct* | *-3.10* | |
| | | *For >100 To 200, Deduct* | *-4.34* | |
| | | *For >200, Deduct* | *-6.46* | |
| | | *For Maple, Add* | *0.53* | |
| 10 26 16 16-0016 | LF | 5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500) | 35.84 | 6.61 |
| | | *For >50 To 100, Deduct* | *-3.30* | |
| | | *For >100 To 200, Deduct* | *-4.62* | |
| | | *For >200, Deduct* | *-7.08* | |
| 10 26 16 16-0017 | LF | 1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500) | 26.23 | 6.19 |
| | | *For >50 To 100, Deduct* | *-3.10* | |
| | | *For >100 To 200, Deduct* | *-4.34* | |
| | | *For >200, Deduct* | *-6.27* | |
| | | *For Maple, Add* | *5.95* | |
| | | *For Oak, Add* | *6.64* | |

## 10 26 23 Protective Wall Covering *(10 26)*

### 10 26 23 13 Impact Resistant Wall Protection *(10 26 23)*

### 10 26 23 13-0001 Impact Resistant Wall Protection *(10 26 23 13)*

Note: Includes standard trim.

| | | | | |
|---|---|---|---|---|
| 10 26 23 13-0002 | SF | 0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30) | 8.20 | 2.76 |
| 10 26 23 13-0003 | SF | 0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40) | 8.52 | 2.76 |
| 10 26 23 13-0004 | SF | 0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60) | 10.41 | 2.76 |

### 10 26 23 13-0005 Interior Polyvinyl Chloride (PVC) Soffit System *(10 26 23 13)*

Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.

### 10 26 23 13-0006 "L" Design *(10 26 23 13-0005)*

### 10 26 23 13-0007 L-Shield *(10 26 23 13-0006)*

| | | | | |
|---|---|---|---|---|
| 10 26 23 13-0008 | LF | 2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe | 16.83 | 2.76 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 26 23 13-0009 | LF | 3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe | 19.31 | 3.87 |
| 10 26 23 13-0010 | LF | 3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe | 25.38 | 4.96 |
| 10 26 23 13-0011 | LF | 5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe | 35.04 | 6.07 |
| **10 26 23 13-0012** | | **"Combo" Hanger** *(10 26 23 13-0006)* | | |
| 10 26 23 13-0013 | EA | Combination "Combo" Hanger, L-Support, For 3/4" Pipe | 17.94 | 5.52 |
| 10 26 23 13-0014 | EA | Combination "Combo" Hanger, L-Support, For 1" Pipe | 20.69 | 6.63 |
| 10 26 23 13-0015 | EA | Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe | 23.88 | 7.72 |
| 10 26 23 13-0016 | EA | Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe | 26.49 | 8.83 |
| 10 26 23 13-0017 | EA | Combination "Combo" Hanger, L-Support, For 2" Pipe | 29.67 | 9.93 |
| **10 26 23 13-0018** | | **Snap-2 Pipe Hanger** *(10 26 23 13-0006)* | | |
| 10 26 23 13-0019 | EA | Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe | 14.63 | 5.52 |
| 10 26 23 13-0020 | EA | Snap-2 Pipe Hanger, L-Support, For 1" Pipe | 17.79 | 6.63 |
| 10 26 23 13-0021 | EA | Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe | 20.70 | 7.72 |
| 10 26 23 13-0022 | EA | Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe | 24.14 | 8.83 |
| 10 26 23 13-0023 | EA | Snap-2 Pipe Hanger, L-Support, For 2" Pipe | 27.73 | 9.93 |
| **10 26 23 13-0024** | | **Coupling** *(10 26 23 13-0006)* | | |
| 10 26 23 13-0025 | EA | Coupling, L-Shield, 1" Shield Size | 9.80 | 2.76 |
| 10 26 23 13-0026 | EA | Coupling, L-Shield, 1-1/4" Shield Size | 14.20 | 3.87 |
| 10 26 23 13-0027 | EA | Coupling, L-Shield, 2" Shield Size | 20.55 | 4.96 |
| 10 26 23 13-0028 | EA | Coupling, L-Shield, 2-1/2" Shield Size | 25.80 | 6.07 |
| **10 26 23 13-0029** | | **Coupling, Reducer** *(10 26 23 13-0006)* | | |
| 10 26 23 13-0030 | EA | Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size | 28.70 | 3.31 |
| 10 26 23 13-0031 | EA | Coupling, Reducing, L-Shield, 2" x 1" Shield Size | 35.31 | 3.87 |
| 10 26 23 13-0032 | EA | Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size | 41.94 | 4.41 |
| 10 26 23 13-0033 | EA | Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size | 166.66 | 5.52 |
| **10 26 23 13-0034** | | **Shield Clips** *(10 26 23 13-0006)* | | |
| 10 26 23 13-0035 | EA | Shield Clips, L-Support, 1" Shield Size | 5.93 | 1.65 |
| 10 26 23 13-0036 | EA | Shield Clips, L-Support, 1-1/4" Shield Size | 8.83 | 2.76 |
| 10 26 23 13-0037 | EA | Shield Clips, L-Support, 2" Shield Size | 11.58 | 3.87 |
| 10 26 23 13-0038 | EA | Shield Clips, L-Support, 2-1/2" Shield Size | 12.97 | 4.96 |
| **10 26 23 13-0039** | | **Wall Flange** *(10 26 23 13-0006)* | | |
| 10 26 23 13-0040 | EA | Wall Flange, L-Shield, 1" Shield Size | 9.52 | 2.76 |
| 10 26 23 13-0041 | EA | Wall Flange, L-Shield, 1-1/4" Shield Size | 13.65 | 3.87 |
| 10 26 23 13-0042 | EA | Wall Flange, L-Shield, 2" Shield Size | 20.00 | 4.96 |
| 10 26 23 13-0043 | EA | Wall Flange, L-Shield, 2-1/2" Shield Size | 86.17 | 6.07 |
| **10 26 23 13-0044** | | **End Cap** *(10 26 23 13-0006)* | | |
| 10 26 23 13-0045 | EA | End Cap, L-Shield, 1" Shield Size | 10.07 | 1.65 |
| 10 26 23 13-0046 | EA | End Cap, L-Shield, 1-1/4" Shield Size | 13.25 | 2.76 |
| 10 26 23 13-0047 | EA | End Cap, L-Shield, 2" Shield Size | 18.34 | 3.87 |
| 10 26 23 13-0048 | EA | End Cap, L-Shield, 2-1/2" Shield Size | 88.02 | 4.96 |
| **10 26 23 13-0049** | | **Inside/Outside Corner** *(10 26 23 13-0006)* | | |
| 10 26 23 13-0050 | EA | Inside/Outside Corner, L-Shield, 1" Shield Size | 63.88 | 5.52 |
| 10 26 23 13-0051 | EA | Inside/Outside Corner, L-Shield, 1-1/4" Shield Size | 68.70 | 6.63 |
| 10 26 23 13-0052 | EA | Inside/Outside Corner, L-Shield, 2" Shield Size | 82.92 | 8.28 |
| 10 26 23 13-0053 | EA | Inside/Outside Corner, L-Shield, 2-1/2" Shield Size | 146.10 | 9.93 |
| **10 26 23 13-0054** | | **Joiner** *(10 26 23 13-0006)* | | |
| 10 26 23 13-0055 | LF | Joiner, L-Shield | 13.11 | 1.65 |
| **10 26 23 13-0056** | | **"U" Design** *(10 26 23 13-0005)* | | |
| **10 26 23 13-0057** | | **U-Shield** *(10 26 23 13-0056)* | | |
| 10 26 23 13-0058 | LF | 2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe | 20.42 | 2.76 |
| 10 26 23 13-0059 | LF | 2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe | 25.38 | 3.87 |
| 10 26 23 13-0060 | LF | 3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe | 32.42 | 3.87 |
| **10 26 23 13-0061** | | **"Combo" Hanger** *(10 26 23 13-0056)* | | |
| 10 26 23 13-0062 | EA | Combination "Combo" Hanger, U-Support For 3/4" Pipe | 15.32 | 5.52 |
| 10 26 23 13-0063 | EA | Combination "Combo" Hanger, U-Support For 1" Pipe | 18.21 | 6.63 |
| 10 26 23 13-0064 | EA | Combination "Combo" Hanger, U-Support For 1-1/4" Pipe | 20.98 | 7.72 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 26 23 13-0065 | EA | Combination "Combo" Hanger, U-Support For 1-1/2" Pipe | 26.08 | 8.83 |
| 10 26 23 13-0066 | EA | Combination "Combo" Hanger, U-Support For 2" Pipe | 29.53 | 9.93 |
| **10 26 23 13-0067** | | **Snap-2 Pipe Hanger** *(10 26 23 13-0056)* | | |
| 10 26 23 13-0068 | EA | Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe | 14.35 | 5.52 |
| 10 26 23 13-0069 | EA | Snap-2 Pipe Hanger, U-Support, For 1" Pipe | 17.52 | 6.63 |
| 10 26 23 13-0070 | EA | Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe | 21.39 | 7.72 |
| 10 26 23 13-0071 | EA | Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe | 23.87 | 8.83 |
| 10 26 23 13-0072 | EA | Snap-2 Pipe Hanger, U-Support, For 2" Pipe | 27.60 | 9.93 |
| **10 26 23 13-0073** | | **Coupling** *(10 26 23 13-0056)* | | |
| 10 26 23 13-0074 | EA | Coupling, U-Shield, 1" Shield Size | 11.73 | 2.76 |
| 10 26 23 13-0075 | EA | Coupling, U-Shield, 1-1/4" Shield Size | 14.62 | 3.87 |
| 10 26 23 13-0076 | EA | Coupling, U-Shield, 2" Shield Size | 17.79 | 4.96 |
| **10 26 23 13-0077** | | **Coupling, Reducer** *(10 26 23 13-0056)* | | |
| 10 26 23 13-0078 | EA | Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size | 34.22 | 3.31 |
| 10 26 23 13-0079 | EA | Reducing Coupling, U-Shield, 2" x 1" Shield Size | 40.83 | 3.87 |
| 10 26 23 13-0080 | EA | Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size | 43.32 | 4.41 |
| **10 26 23 13-0081** | | **Shield Clips** *(10 26 23 13-0056)* | | |
| 10 26 23 13-0082 | EA | Shield Clips, U-Support, 1" Shield Size | 5.38 | 1.65 |
| 10 26 23 13-0083 | EA | Shield Clips, U-Support, 1-1/4" Shield Size | 7.87 | 2.76 |
| 10 26 23 13-0084 | EA | Shield Clips, U-Support, 2" Shield Size | 10.34 | 3.87 |
| **10 26 23 13-0085** | | **Wall Flange** *(10 26 23 13-0056)* | | |
| 10 26 23 13-0086 | EA | Wall Flange, U-Shield, 1" Shield Size | 11.31 | 2.76 |
| 10 26 23 13-0087 | EA | Wall Flange, U-Shield, 1-1/4" Shield Size | 14.48 | 3.87 |
| 10 26 23 13-0088 | EA | Wall Flange, U-Shield, 2" Shield Size | 17.66 | 4.96 |
| **10 26 23 13-0089** | | **End Cap** *(10 26 23 13-0056)* | | |
| 10 26 23 13-0090 | EA | End Cap, U-Shield, 1" Shield Size | 10.76 | 1.65 |
| 10 26 23 13-0091 | EA | End Cap, U-Shield, 1-1/4" Shield Size | 14.35 | 2.76 |
| 10 26 23 13-0092 | EA | End Cap, U-Shield, 2" Shield Size | 17.79 | 3.87 |
| **10 26 23 13-0093** | | **Inside/Outside Corner** *(10 26 23 13-0056)* | | |
| 10 26 23 13-0094 | EA | Inside/Outside Corner, U-Shield, 1" Shield Size | 80.57 | 5.52 |
| 10 26 23 13-0095 | EA | Inside/Outside Corner, U-Shield, 1-1/4" Shield Size | 89.53 | 6.63 |
| 10 26 23 13-0096 | EA | Inside/Outside Corner, U-Shield, 2" Shield Size | 105.82 | 8.28 |
| **10 26 23 13-0097** | | **Elbow** *(10 26 23 13-0056)* | | |
| 10 26 23 13-0098 | EA | Elbow, U-Shield, 1" Shield Size | 79.05 | 5.52 |
| 10 26 23 13-0099 | EA | Elbow, U-Shield, 1-1/4" Shield Size | 86.77 | 6.63 |
| 10 26 23 13-0100 | EA | Elbow, U-Shield, 2" Shield Size | 103.20 | 8.28 |
| **10 26 23 13-0101** | | **Tee** *(10 26 23 13-0056)* | | |
| 10 26 23 13-0102 | EA | Tee, U-Shield, 1" x 1" x 1" Shield Size | 99.75 | 8.28 |
| 10 26 23 13-0103 | EA | Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size | 110.79 | 9.93 |
| 10 26 23 13-0104 | EA | Tee, U-Shield, 2" x 2" x 2" Shield Size | 129.27 | 12.14 |
| 10 26 23 13-0105 | EA | Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size | 131.89 | 9.39 |
| 10 26 23 13-0106 | EA | Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size | 141.96 | 11.59 |
| **10 26 23 13-0107** | | **Cross** *(10 26 23 13-0056)* | | |
| 10 26 23 13-0108 | EA | Cross, U-Shield, 1" Shield Size | 181.41 | 11.04 |
| 10 26 23 13-0109 | EA | Cross, U-Shield, 1-1/4" Shield Size | 203.08 | 13.24 |
| 10 26 23 13-0110 | EA | Cross, U-Shield, 2" Shield Size | 246.67 | 16.56 |
| 10 26 23 13-0111 | EA | Cross, U-Shield, 1-1/4" x 1" Shield Size | 249.43 | 12.14 |
| 10 26 23 13-0112 | EA | Cross, U-Shield, 2" x 1-1/4" Shield Size | 273.99 | 14.90 |
| **10 26 23 13-0113** | | **Transition Fittings (L to U Or U to L)** *(10 26 23 13-0005)* | | |
| **10 26 23 13-0114** | | **Coupling Transition** *(10 26 23 13-0113)* | | |
| 10 26 23 13-0115 | EA | Transition Coupling, 1" x 1", LxU or UxL | 30.63 | 2.76 |
| 10 26 23 13-0116 | EA | Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL | 34.48 | 3.87 |
| 10 26 23 13-0117 | EA | Transition Coupling, 2" x 2", LxU or UxL | 42.90 | 4.96 |
| 10 26 23 13-0118 | EA | Transition Coupling, 1" x 1-1/4", LxU or UxL | 34.64 | 3.31 |
| 10 26 23 13-0119 | EA | Transition Coupling, 1-1/4" x 2", LxU or UxL | 43.04 | 4.41 |
| 10 26 23 13-0120 | EA | Transition Coupling, 2" x 2-1/2", LxU or UxL | 174.52 | 5.52 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **10 26 23 13-0121** | | **Elbow Transition** *(10 26 23 13-0113)* | | |
| 10 26 23 13-0122 | EA | Transition Elbow, 1" x 1" (UxL) | 106.78 | 5.52 |
| 10 26 23 13-0123 | EA | Transition Elbow, 1-1/4" x 1-1/4" (UxL) | 115.61 | 6.63 |
| 10 26 23 13-0124 | EA | Transition Elbow, 2" x 2" (UxL) | 135.48 | 8.28 |
| 10 26 23 13-0125 | EA | Transition Elbow, 1" x 1-1/4" (UxL) | 166.66 | 6.07 |
| 10 26 23 13-0126 | EA | Transition Elbow, 1-1/4" x 1" (UxL) | 117.54 | 6.07 |
| 10 26 23 13-0127 | EA | Transition Elbow, 1-1/4" x 2" (UxL) | 175.77 | 7.72 |
| 10 26 23 13-0128 | EA | Transition Elbow, 2" x 1-1/4" (UxL) | 135.90 | 7.72 |
| 10 26 23 13-0129 | EA | Transition Elbow, 2" x 2-1/2" (UxL) | 211.36 | 8.83 |
| **10 26 23 13-0130** | | **Tee Transition** *(10 26 23 13-0113)* | | |
| 10 26 23 13-0131 | EA | Transition Tee, 1" x 1" x 1" (LxLxU) | 121.96 | 8.28 |
| 10 26 23 13-0132 | EA | Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU) | 141.00 | 9.93 |
| 10 26 23 13-0133 | EA | Transition Tee, 2" x 2" x 2" (LxLxU) | 163.90 | 12.14 |
| 10 26 23 13-0134 | EA | Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU) | 128.71 | 9.39 |
| 10 26 23 13-0135 | EA | Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU) | 203.09 | 10.48 |
| 10 26 23 13-0136 | EA | Transition Tee, 2" x 2" x 1-1/4" (LxLxU) | 143.21 | 11.59 |
| 10 26 23 13-0137 | EA | Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU) | 195.90 | 13.80 |
| **10 26 23 13-0138** | | **Fittings (L Or U)** *(10 26 23 13-0005)* | | |
| **10 26 23 13-0139** | | **Hugger Hangers For Steel Pipe** *(10 26 23 13-0138)* | | |
| 10 26 23 13-0140 | EA | Hugger Hanger, For 1/2" Steel Pipe | 11.73 | 4.41 |
| 10 26 23 13-0141 | EA | Hugger Hanger, For 3/4" Steel Pipe | 14.63 | 5.52 |
| 10 26 23 13-0142 | EA | Hugger Hanger, For 1" Steel Pipe | 17.10 | 6.63 |
| 10 26 23 13-0143 | EA | Hugger Hanger, For 1-1/4" Steel Pipe | 19.74 | 7.72 |
| 10 26 23 13-0144 | EA | Hugger Hanger, For 1-1/2" Steel Pipe | 22.21 | 8.83 |
| 10 26 23 13-0145 | EA | Hugger Hanger, For 2" Steel Pipe | 24.97 | 8.83 |
| 10 26 23 13-0146 | EA | Hugger Hanger, For 2-1/2" Steel Pipe | 27.45 | 11.04 |
| 10 26 23 13-0147 | EA | Hugger Hanger, For 3" Steel Pipe | 34.76 | 12.14 |
| **10 26 23 13-0148** | | **Hugger Hangers For Copper Pipe** *(10 26 23 13-0138)* | | |
| 10 26 23 13-0149 | EA | 1/2" Copper Pipe, Hugger Hanger | 11.87 | 4.41 |
| 10 26 23 13-0150 | EA | 3/4" Copper Pipe, Hugger Hanger | 14.76 | 5.52 |
| 10 26 23 13-0151 | EA | 1" Copper Pipe, Hugger Hanger | 17.24 | 6.63 |
| 10 26 23 13-0152 | EA | 1-1/4" Copper Pipe, Hugger Hanger | 19.87 | 7.72 |
| 10 26 23 13-0153 | EA | 1-1/2" Copper Pipe, Hugger Hanger | 22.35 | 8.83 |
| 10 26 23 13-0154 | EA | 2" Copper Pipe, Hugger Hanger | 25.25 | 9.93 |
| 10 26 23 13-0155 | EA | 2-1/2" Copper Pipe, Hugger Hanger | 27.73 | 11.04 |
| 10 26 23 13-0156 | EA | 3" Copper Pipe, Hugger Hanger | 35.18 | 12.14 |
| **10 26 23 13-0157** | | **Shield Extension (L Or U)** *(10 26 23 13-0138)* | | |
| 10 26 23 13-0158 | LF | Shield Extension | 16.00 | 1.65 |
| **10 26 23 13-0159** | | **Interior Steel Soffit System** *(10 26 23 13)* | | |
| | | Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up. | | |
| 10 26 23 13-0160 | SF | 24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel) | 29.98 | 4.96 |
| | | *For 22 Gauge Steel, Add* | *2.01* | |
| | | *For 20 Gauge Steel, Add* | *4.29* | |
| | | *For 18 Gauge Steel, Add* | *8.42* | |
| | | *For 16 Gauge Steel, Add* | *12.93* | |
| | | *For Stainless Steel, Add* | *5.01* | |
| 10 26 23 13-0161 | EA | U-Shield Wall Flange (JG Innovations Soffi-Steel) | 45.86 | 13.80 |
| | | *For Stainless Steel, Add* | *4.57* | |
| 10 26 23 13-0162 | EA | U-Shield Corner (JG Innovations Soffi-Steel) | 119.47 | 16.56 |
| | | *For Stainless Steel, Add* | *21.31* | |
| 10 26 23 13-0163 | EA | U-Shield End Cap (JG Innovations Soffi-Steel) | 36.05 | 8.28 |
| | | *For Stainless Steel, Add* | *4.87* | |
| 10 26 23 13-0164 | EA | U-Shield Clip (JG Innovations Soffi-Steel) | 7.41 | 3.31 |
| | | *For Stainless Steel, Add* | *0.20* | |
| 10 26 23 13-0165 | SF | 24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel) | 34.24 | 4.96 |
| | | *For 22 Gauge Steel, Add* | *1.82* | |
| | | *For 20 Gauge Steel, Add* | *3.89* | |
| | | *For 18 Gauge Steel, Add* | *7.54* | |
| | | *For 16 Gauge Steel, Add* | *12.64* | |
| | | *For Stainless Steel, Add* | *6.08* | |
| 10 26 23 13-0166 | EA | L-Shield Wall Flange (JG Innovations Soffi-Steel) | 45.86 | 13.80 |
| | | *For Stainless Steel, Add* | *4.57* | |
| 10 26 23 13-0167 | EA | L-Shield Corner (JG Innovations Soffi-Steel) | 119.47 | 16.56 |
| | | *For Stainless Steel, Add* | *21.31* | |
| 10 26 23 13-0168 | EA | L-Shield End Cap (JG Innovations Soffi-Steel) | 31.63 | 6.07 |
| | | *For Stainless Steel, Add* | *4.87* | |
| 10 26 23 13-0169 | EA | L-Shield Clip (JG Innovations Soffi-Steel) | 7.41 | 3.31 |
| | | *For Stainless Steel, Add* | *0.20* | |

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

### 10 26 41 Bullet Resistant Panels *(10 26)*

10 26 41 00-0001 Laminated Bullet Resistant Fiberglass Panel *(10 26 41)*

Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.

| | | | | | |
|---|---|---|---|---|---|
| 10 26 41 00-0002 | SF | 1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 Lb./SF | | 22.12 | 1.56 |
| 10 26 41 00-0003 | SF | 3/16" Thick Ballistic Resistant Fiberglass Panel, 2 Lb./SF | | 30.47 | 1.67 |
| 10 26 41 00-0004 | SF | 1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 Lb./SF | | 34.49 | 1.78 |
| 10 26 41 00-0005 | SF | 5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 Lb./SF | | 36.69 | 1.89 |
| 10 26 41 00-0006 | SF | 3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 Lb./SF | | 39.76 | 2.00 |
| 10 26 41 00-0007 | SF | 7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 Lb./SF | | 42.81 | 2.12 |
| 10 26 41 00-0008 | SF | 9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 Lb./SF | | 72.99 | 2.56 |
| 10 26 41 00-0009 | SF | 1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 Lb./SF | | 104.92 | 4.01 |
| 10 26 41 00-0010 | SF | 1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 Lb./SF | | 124.89 | 4.78 |
| 10 26 41 00-0011 | SF | 1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 Lb./SF | | 150.55 | 5.23 |
| 10 26 41 00-0012 | SF | 1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 Lb./SF | | 171.40 | 5.56 |

## 10 28 Toilet, Bath, and Laundry Accessories *(10 20)*

### 10 28 13 Toilet Accessories *(10 28)*

#### 10 28 13 13 Commercial Toilet Accessories *(10 28 13)*

10 28 13 13-0001 Toilet Accessories *(10 28 13 13)*

10 28 13 13-0002 Dispensers *(10 28 13 13-0001)*

10 28 13 13-0003 Paper Towel Dispensers *(10 28 13 13-0002)*

10 28 13 13-0004 Stainless Steel Paper Towel Dispensers *(10 28 13 13-0003)*

| | | | | | |
|---|---|---|---|---|---|
| 10 28 13 13-0005 | EA | Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262) | | 110.14 | 24.82 |
| 10 28 13 13-0006 | EA | Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620) | | 117.77 | 24.82 |
| 10 28 13 13-0007 | EA | Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621) | | 118.90 | 24.82 |
| 10 28 13 13-0008 | EA | Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212) | | 121.09 | 24.82 |
| 10 28 13 13-0009 | EA | Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263) | | 181.38 | 24.82 |
| 10 28 13 13-0010 | EA | Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359) | | 195.54 | 24.82 |
| 10 28 13 13-0011 | EA | Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262) | | 214.30 | 24.82 |
| 10 28 13 13-0012 | EA | Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526) | | 222.13 | 11.03 |
| 10 28 13 13-0013 | EA | Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318) | | 372.23 | 24.82 |
| 10 28 13 13-0014 | EA | Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860) | | 440.06 | 24.82 |
| 10 28 13 13-0015 | EA | Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369) | | 473.73 | 24.82 |
| 10 28 13 13-0016 | EA | Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466) | | 270.03 | 24.82 |
| 10 28 13 13-0017 | EA | Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476) | | 157.54 | 13.79 |

10 28 13 13-0018 Plastic Paper Towel Dispensers *(10 28 13 13-0003)*

| | | | | | |
|---|---|---|---|---|---|
| 10 28 13 13-0019 | EA | Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262) | | 84.13 | 24.82 |
| 10 28 13 13-0020 | EA | Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860) | | 171.77 | 24.82 |
| 10 28 13 13-0021 | EA | Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860) | | 170.59 | 24.82 |
| 10 28 13 13-0022 | EA | Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462) | | 145.39 | 24.82 |

10 28 13 13-0023 Aluminum Paper Towel Dispensers *(10 28 13 13-0003)*

| | | | | | |
|---|---|---|---|---|---|
| 10 28 13 13-0024 | EA | Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253) | | 91.77 | 24.82 |

10 28 13 13-0025 Toilet Tissue Dispensers *(10 28 13 13-0002)*

10 28 13 13-0026 Plastic Toilet Tissue Dispensers *(10 28 13 13-0025)*

| | | | | | |
|---|---|---|---|---|---|
| 10 28 13 13-0027 | EA | Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288) | | 83.85 | 24.82 |
| 10 28 13 13-0028 | EA | Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250) | | 101.08 | 24.82 |
| 10 28 13 13-0029 | EA | Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760) | | 72.77 | 24.82 |
| 10 28 13 13-0030 | EA | Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784) | | 85.78 | 24.82 |

10 28 13 13-0031 Cast Aluminum Toilet Tissue Dispensers *(10 28 13 13-0025)*

| | | | | | |
|---|---|---|---|---|---|
| 10 28 13 13-0032 | EA | Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730) | | 75.94 | 24.82 |
| 10 28 13 13-0033 | EA | Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273) | | 76.50 | 24.82 |
| 10 28 13 13-0034 | EA | Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740) | | 80.46 | 24.82 |
| 10 28 13 13-0035 | EA | Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274) | | 87.81 | 24.82 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 28 13 13-0036 | EA | Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460) | 114.94 | 24.82 |
| **10 28 13 13-0037** | | **Stainless Steel Toilet Tissue Dispensers** *(10 28 13 13-0025)* | | |
| 10 28 13 13-0038 | EA | Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264) | 64.91 | 24.82 |
| 10 28 13 13-0039 | EA | Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540) | 181.68 | 24.82 |
| 10 28 13 13-0040 | EA | Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543) | 106.61 | 24.82 |
| 10 28 13 13-0041 | EA | Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663) | 101.66 | 24.82 |
| 10 28 13 13-0042 | EA | Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685) | 110.28 | 24.82 |
| 10 28 13 13-0043 | EA | Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686) | 144.51 | 27.58 |
| 10 28 13 13-0044 | EA | Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857) | 110.28 | 24.82 |
| 10 28 13 13-0045 | EA | Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867) | 144.51 | 24.82 |
| 10 28 13 13-0046 | EA | Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997) | 155.51 | 24.82 |
| 10 28 13 13-0047 | EA | Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999) | 241.83 | 24.82 |
| 10 28 13 13-0048 | EA | Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997) | 241.83 | 24.82 |
| 10 28 13 13-0049 | EA | Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890) | 101.84 | 24.82 |
| 10 28 13 13-0050 | EA | Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272) | 119.18 | 24.82 |
| 10 28 13 13-0051 | EA | Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265) | 75.36 | 24.82 |
| 10 28 13 13-0052 | EA | Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888) | 127.95 | 24.82 |
| 10 28 13 13-0053 | EA | Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888) | 179.99 | 24.82 |
| 10 28 13 13-0054 | EA | Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288) | 188.17 | 24.82 |
| 10 28 13 13-0055 | EA | Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388) | 238.24 | 24.82 |
| 10 28 13 13-0056 | EA | Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892) | 220.04 | 24.82 |
| 10 28 13 13-0057 | EA | Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386)<br>Note: Mounts centered through toilet partitions. | 340.42 | 24.82 |
| 10 28 13 13-0058 | EA | Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840) | 147.18 | 24.82 |
| 10 28 13 13-0059 | EA | Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782) | 136.12 | 24.82 |
| 10 28 13 13-0060 | EA | Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796) | 109.89 | 24.82 |
| **10 28 13 13-0061** | | **Soap or Sanitizer Dispensers** *(10 28 13 13-0002)* | | |
| 10 28 13 13-0062 | EA | 20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221) | 100.25 | 24.82 |
| | | *For 34 Fluid Ounce (B-822), Add* | *4.73* | |
| 10 28 13 13-0063 | EA | 20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216) | 108.73 | 24.82 |
| | | *For 34 Fluid Ounce (B-822), Add* | *4.73* | |
| 10 28 13 13-0064 | EA | 24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156) | 68.02 | 24.82 |
| 10 28 13 13-0065 | EA | 24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155) | 73.95 | 24.82 |
| 10 28 13 13-0066 | EA | 40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40) | 89.34 | 24.82 |
| 10 28 13 13-0067 | EA | 40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42) | 91.79 | 24.82 |
| 10 28 13 13-0068 | EA | 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112) | 101.94 | 24.82 |
| 10 28 13 13-0069 | EA | 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112) | 128.80 | 24.82 |
| 10 28 13 13-0070 | EA | 45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306) | 219.29 | 24.82 |
| 10 28 13 13-0071 | EA | 50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063) | 349.61 | 24.82 |
| 10 28 13 13-0072 | EA | 800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18)<br>Note: Includes start-up kit. | 216.83 | 24.82 |
| **10 28 13 13-0073** | | **Sanitizer Dispensers** *(10 28 13 13-0002)* | | |
| **10 28 13 13-0074** | | **Manual Sanitizer Dispensers** *(10 28 13 13-0073)* | | |
| 10 28 13 13-0075 | EA | 1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purelll 5020-01) | 78.58 | 24.82 |
| 10 28 13 13-0076 | EA | 1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purelll 4510-00) | 79.79 | 24.82 |
| 10 28 13 13-0077 | EA | 1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purelll 8824-06-UV) | 79.41 | 24.82 |
| **10 28 13 13-0078** | | **Automatic Sanitizer Dispensers** *(10 28 13 13-0073)* | | |
| 10 28 13 13-0079 | EA | 1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA) | 73.42 | 24.82 |
| 10 28 13 13-0080 | EA | 1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 6420-01 ES6) | 96.03 | 24.82 |
| 10 28 13 13-0081 | EA | 1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purelll 6520-01 CS6) | 90.39 | 24.82 |
| 10 28 13 13-0082 | EA | 1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 7720-01 ES8) | 97.30 | 24.82 |
| 10 28 13 13-0083 | EA | 1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058) | 112.27 | 24.82 |
| 10 28 13 13-0084 | EA | 2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 5240-06) | 112.98 | 24.82 |
| **10 28 13 13-0085** | | **Automatic Floor Stand Sanitizer Dispensers** *(10 28 13 13-0073)* | | |
| 10 28 13 13-0086 | EA | 1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS) | 573.06 | 8.27 |
| 10 28 13 13-0087 | EA | 1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV) | 616.35 | 8.27 |
| 10 28 13 13-0088 | EA | 1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02) | 640.55 | 8.27 |
| **10 28 13 13-0089** | | **Facial Tissue Dispensers** *(10 28 13 13-0002)* | | |
| 10 28 13 13-0090 | EA | Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397) | 115.52 | 24.82 |
| 10 28 13 13-0091 | EA | Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355) | 81.54 | 24.82 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **10 28 13 13-0092** | | **Sanitary Toilet Seat Cover Dispensers** *(10 28 13 13-0002)* | | |
| 10 28 13 13-0093 | EA | Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221) | 66.88 | 24.82 |
| 10 28 13 13-0094 | EA | Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221) | 89.22 | 24.82 |
| 10 28 13 13-0095 | EA | Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221) | 159.62 | 24.82 |
| 10 28 13 13-0096 | EA | Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301) | 167.56 | 24.82 |
| 10 28 13 13-0097 | EA | Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013) | 331.24 | 24.82 |
| **10 28 13 13-0098** | | **Sanitary Toilet Seat Cover/Toilet Tissue Dispensers** *(10 28 13 13-0002)* | | |
| 10 28 13 13-0099 | EA | Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479) | 528.96 | 24.82 |
| 10 28 13 13-0100 | EA | Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745) | 321.55 | 24.82 |
| **10 28 13 13-0101** | | **Sanitary Napkin/Tampon Dispensers** *(10 28 13 13-0002)* | | |
| 10 28 13 13-0102 | EA | Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C) | 653.23 | 24.82 |
| 10 28 13 13-0103 | EA | Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25) | 496.60 | 24.82 |
| 10 28 13 13-0104 | EA | Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706) | 661.85 | 24.82 |
| 10 28 13 13-0105 | EA | Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25) | 500.58 | 24.82 |
| 10 28 13 13-0106 | EA | Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4 ) | 440.01 | 24.82 |
| 10 28 13 13-0107 | EA | Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45) | 578.09 | 24.82 |
| **10 28 13 13-0108** | | **Toilet Compartment Combination Dispenser/Disposals** *(10 28 13 13-0002)* | | |
| 10 28 13 13-0109 | EA | Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094) | 459.86 | 55.17 |
| 10 28 13 13-0110 | EA | Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474) | 513.75 | 55.17 |
| 10 28 13 13-0111 | EA | Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745) | 425.61 | 55.17 |
| 10 28 13 13-0112 | EA | Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574) | 600.27 | 55.17 |
| 10 28 13 13-0113 | EA | Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347) | 616.94 | 55.17 |
| 10 28 13 13-0114 | EA | Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357) | 709.96 | 55.17 |
| 10 28 13 13-0115 | EA | Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579) | 665.47 | 55.17 |
| **10 28 13 13-0116** | | **Receptacles** *(10 28 13 13-0001)* | | |
| **10 28 13 13-0117** | | **Wall Mounted Waste Receptacles** *(10 28 13 13-0116)* | | |
| 10 28 13 13-0118 | EA | 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3) | 101.91 | 24.82 |
| 10 28 13 13-0119 | EA | 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279) | 169.79 | 24.82 |
| 10 28 13 13-0120 | EA | 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644) | 392.48 | 55.17 |
| 10 28 13 13-0121 | EA | 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644) | 583.59 | 55.17 |
| 10 28 13 13-0122 | EA | 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275) | 461.74 | 55.17 |
| **10 28 13 13-0123** | | **Floor-Standing/Counter Waste Receptacles** *(10 28 13 13-0116)* | | |
| 10 28 13 13-0124 | EA | 5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532) | 120.46 | 24.82 |
| 10 28 13 13-0125 | EA | 5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529) | 172.90 | 24.82 |
| 10 28 13 13-0126 | EA | 13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260) | 330.71 | 11.03 |
| 10 28 13 13-0127 | EA | 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250) | 500.91 | 11.03 |
| 10 28 13 13-0128 | EA | 18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300) | 469.19 | 11.03 |
| 10 28 13 13-0129 | EA | 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280) | 451.15 | 11.03 |
| **10 28 13 13-0130** | | **Combination Paper Towel Dispenser/ Waste Receptacle** *(10 28 13 13-0116)* | | |
| 10 28 13 13-0131 | EA | 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369) | 324.63 | 55.17 |
| 10 28 13 13-0132 | EA | 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369) | 523.37 | 55.17 |
| 10 28 13 13-0133 | EA | 2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944) | 515.46 | 55.17 |
| 10 28 13 13-0134 | EA | 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900) | 750.25 | 55.17 |
| 10 28 13 13-0135 | EA | 12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909) | 1,033.72 | 55.17 |
| 10 28 13 13-0136 | EA | 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961) | 873.37 | 55.17 |
| 10 28 13 13-0137 | EA | 12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949) | 672.67 | 55.17 |
| 10 28 13 13-0138 | EA | 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619) | 1,091.05 | 55.17 |
| 10 28 13 13-0139 | EA | 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944) | 1,008.51 | 60.69 |
| 10 28 13 13-0140 | EA | 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947) | 677.17 | 60.69 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **10 28 13 13-0141** | | **Sanitary Napkin/Tampon Receptacles** *(10 28 13 13-0116)* | | |
| 10 28 13 13-0142 | EA | Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270) | 93.90 | 27.58 |
| 10 28 13 13-0143 | EA | Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254) | 187.15 | 27.58 |
| 10 28 13 13-0144 | EA | Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353) | 203.59 | 27.58 |
| 10 28 13 13-0145 | EA | Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303) | 475.56 | 27.58 |
| 10 28 13 13-0146 | EA | Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354) | 252.21 | 27.58 |
| 10 28 13 13-0147 | EA | Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354) | 441.92 | 27.58 |
| **10 28 13 13-0148** | | **Grab Bars** *(10 28 13 13-0001)* | | |
| **10 28 13 13-0149** | | **1-1/4" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0148)* | | |
| | | Note: Includes satin finish and concealed mounting with snap flange. | | |
| 10 28 13 13-0150 | EA | 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12) | 93.56 | 22.06 |
| | | *For Peened Grip, Add* | *4.95* | |
| 10 28 13 13-0151 | EA | 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18) | 107.61 | 22.06 |
| | | *For Peened Grip, Add* | *6.21* | |
| 10 28 13 13-0152 | EA | 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24) | 109.02 | 22.06 |
| | | *For Peened Grip, Add* | *6.34* | |
| 10 28 13 13-0153 | EA | 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30) | 109.68 | 22.06 |
| | | *For Peened Grip, Add* | *6.40* | |
| 10 28 13 13-0154 | EA | 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36) | 109.86 | 22.06 |
| | | *For Peened Grip, Add* | *6.41* | |
| 10 28 13 13-0155 | EA | 42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42) | 113.26 | 22.06 |
| | | *For Peened Grip, Add* | *6.72* | |
| 10 28 13 13-0156 | EA | 48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48) | 118.62 | 22.06 |
| | | *For Peened Grip, Add* | *7.20* | |
| **10 28 13 13-0157** | | **1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0148)* | | |
| | | Note: Includes satin finish and concealed mounting with snap flange. | | |
| 10 28 13 13-0158 | EA | 24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616) | 180.70 | 22.06 |
| | | *For Peened Grip, Add* | *12.29* | |
| 10 28 13 13-0159 | EA | 36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837) | 184.36 | 22.06 |
| | | *For Peened Grip, Add* | *12.62* | |
| **10 28 13 13-0160** | | **1-1/2" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0148)* | | |
| | | Note: Includes satin finish and concealed mounting with snap flange. | | |
| 10 28 13 13-0161 | EA | 12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12) | 106.43 | 22.06 |
| | | *For Peened Grip, Add* | *6.10* | |
| 10 28 13 13-0162 | EA | 18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18) | 107.61 | 22.06 |
| | | *For Peened Grip, Add* | *6.21* | |
| 10 28 13 13-0163 | EA | 24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24) | 109.86 | 22.06 |
| | | *For Peened Grip, Add* | *6.41* | |
| 10 28 13 13-0164 | EA | 30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30) | 112.13 | 22.06 |
| | | *For Peened Grip, Add* | *6.62* | |
| 10 28 13 13-0165 | EA | 36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36) | 114.95 | 22.06 |
| | | *For Peened Grip, Add* | *6.87* | |
| 10 28 13 13-0166 | EA | 42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42) | 117.50 | 22.06 |
| | | *For Peened Grip, Add* | *7.10* | |
| 10 28 13 13-0167 | EA | 48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48) | 123.72 | 22.06 |
| | | *For Peened Grip, Add* | *7.66* | |
| **10 28 13 13-0168** | | **1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0148)* | | |
| | | Note: Includes satin finish and concealed mounting with snap flange. | | |
| 10 28 13 13-0169 | EA | 16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861) | 165.42 | 22.06 |
| | | *For Peened Grip, Add* | *10.92* | |
| 10 28 13 13-0170 | EA | 24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616) | 177.59 | 22.06 |
| | | *For Peened Grip, Add* | *12.01* | |
| 10 28 13 13-0171 | EA | 36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137) | 154.68 | 22.06 |
| | | *For Peened Grip, Add* | *9.95* | |
| **10 28 13 13-0172** | | **1-1/4" Diameter, Stainless Steel Swing Up Grab Bars** *(10 28 13 13-0148)* | | |
| | | Note: Includes satin finish and mounting for swing up. | | |
| 10 28 13 13-0173 | EA | 29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998) | 480.78 | 22.06 |
| | | *For Peened Grip, Add* | *39.80* | |
| **10 28 13 13-0174** | | **Shelves** *(10 28 13 13-0001)* | | |
| 10 28 13 13-0175 | EA | 5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295) | 122.29 | 24.82 |
| 10 28 13 13-0176 | EA | 5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295) | 125.69 | 24.82 |
| 10 28 13 13-0177 | EA | 5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295) | 141.24 | 24.82 |
| 10 28 13 13-0178 | EA | 5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36) | 145.15 | 24.82 |
| 10 28 13 13-0179 | EA | 6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296) | 138.99 | 24.82 |
| 10 28 13 13-0180 | EA | 6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24) | 140.83 | 24.82 |
| 10 28 13 13-0181 | EA | 8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298) | 150.00 | 24.82 |
| 10 28 13 13-0182 | EA | 8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298) | 163.28 | 24.82 |
| 10 28 13 13-0183 | EA | 8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36) | 191.36 | 24.82 |
| 10 28 13 13-0184 | EA | 5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287) | 150.28 | 24.82 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 28 13 13-0185 | EA | 4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683) | 153.11 | 24.82 |
| 10 28 13 13-0186 | EA | 12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24) | 178.00 | 24.82 |
| 10 28 13 13-0187 | EA | 12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30) | 189.22 | 24.82 |
| 10 28 13 13-0188 | EA | 12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36) | 206.53 | 24.82 |
| 10 28 13 13-0189 | EA | 12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48) | 253.62 | 24.82 |
| 10 28 13 13-0190 | EA | 12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60) | 339.42 | 24.82 |
| 10 28 13 13-0191 | EA | 4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412) | 157.32 | 24.82 |
| **10 28 13 13-0192** | | **Changing Stations** *(10 28 13 13-0001)* | | |
| 10 28 13 13-0193 | EA | Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1) | 454.97 | 33.10 |
| 10 28 13 13-0194 | EA | Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00) | 482.27 | 33.10 |
| 10 28 13 13-0195 | EA | Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00) | 397.74 | 33.10 |
| 10 28 13 13-0196 | EA | Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE) | 1,935.01 | 33.10 |
| 10 28 13 13-0197 | EA | Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM) | 2,262.97 | 33.10 |
| 10 28 13 13-0198 | EA | Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE) | 1,935.01 | 33.10 |
| 10 28 13 13-0199 | EA | Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM) | 2,262.97 | 33.10 |
| **10 28 13 13-0200** | | **Folding Shower Seats** *(10 28 13 13-0001)* | | |
| 10 28 13 13-0201 | EA | 33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181) | 570.63 | 44.13 |
| 10 28 13 13-0202 | EA | 33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518) | 748.74 | 44.13 |
| 10 28 13 13-0203 | EA | 30" Width, Wall-Mounted, Teakwood Folding Shower Seat | 2,623.60 | 44.13 |
| 10 28 13 13-0204 | EA | 33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32) | 3,845.31 | |
| **10 28 13 13-0205** | | **Soap/Dish Holders** *(10 28 13 13-0001)* | | |
| 10 28 13 13-0206 | EA | Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679) | 61.88 | 24.82 |
| 10 28 13 13-0207 | EA | Surface Mounted, Stainless Steel Soap Dish (Gamco 7680) | 63.85 | 24.82 |
| 10 28 13 13-0208 | EA | Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380) | 112.99 | 24.82 |
| 10 28 13 13-0209 | EA | Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390) | 122.89 | 24.82 |
| **10 28 13 13-0210** | | **Shower Curtains/Curtain Rods** *(10 28 13 13-0001)* | | |
| 10 28 13 13-0211 | EA | Stainless Steel Shower Curtain Hook (Bobrick B-204-1) | 3.08 | 1.11 |
| 10 28 13 13-0212 | EA | 42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks. | 50.62 | 11.03 |
| 10 28 13 13-0213 | EA | 70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks. | 53.03 | 11.03 |
| 10 28 13 13-0214 | EA | 36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) | 89.50 | 24.82 |
| 10 28 13 13-0215 | EA | 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) | 95.73 | 24.82 |
| 10 28 13 13-0216 | EA | 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) | 103.36 | 24.82 |
| 10 28 13 13-0217 | EA | 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207) | 112.69 | 24.82 |
| 10 28 13 13-0218 | EA | 36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36) | 78.76 | 24.82 |
| 10 28 13 13-0219 | EA | 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48) | 86.11 | 24.82 |
| 10 28 13 13-0220 | EA | 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60) | 90.35 | 24.82 |
| 10 28 13 13-0221 | EA | 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72) | 95.73 | 24.82 |
| 10 28 13 13-0222 | EA | 36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047) | 81.87 | 24.82 |
| 10 28 13 13-0223 | EA | 48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047) | 88.09 | 24.82 |
| 10 28 13 13-0224 | EA | 60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047) | 95.43 | 24.82 |
| 10 28 13 13-0225 | EA | 72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047) | 100.53 | 24.82 |
| **10 28 13 13-0226** | | **Hand Dryers** *(10 28 13 13-0001)* | | |
| 10 28 13 13-0227 | EA | Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710) | 541.46 | 31.57 |
| 10 28 13 13-0228 | EA | Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V) | 583.00 | 31.57 |
| 10 28 13 13-0229 | EA | Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V) | 645.77 | 31.57 |
| 10 28 13 13-0230 | EA | Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230) | 913.72 | 31.57 |
| 10 28 13 13-0231 | EA | Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A) | 562.67 | 31.57 |
| 10 28 13 13-0232 | EA | Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A) | 620.86 | 31.57 |
| 10 28 13 13-0233 | EA | Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60) | 2,944.77 | 31.57 |
| 10 28 13 13-0234 | EA | Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T) | 3,068.09 | 31.57 |
| 10 28 13 13-0235 | EA | Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR) | 3,199.63 | 31.57 |
| 10 28 13 13-0236 | EA | Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR) | 698.07 | 31.57 |
| 10 28 13 13-0237 | EA | Surface Mounted, Automatic Sensor, 22 Gauge Steel Cover Hand Dryer (Bobrick B-7120) | 486.37 | 31.57 |
| 10 28 13 13-0238 | EA | Surface Mounted, Automatic Sensor, 18 Gauge Stainless Steel Cover Hand Dryer (Bobrick B-7128-115V) | 557.39 | 31.57 |
| 10 28 13 13-0239 | EA | Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer RA) | 542.75 | 31.57 |
| 10 28 13 13-0240 | EA | Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer XRA) | 574.83 | 31.57 |
| 10 28 13 13-0241 | EA | Recessed Mounted, Automatic Sensor, Stainless Steel Cover Hand/Hair Dryer (World Dryer DXRA) | 659.30 | 31.57 |
| 10 28 13 13-0242 | EA | Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12) | 1,801.92 | 31.57 |
| 10 28 13 13-0243 | EA | Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14) | 3,036.46 | 31.57 |
| 10 28 13 13-0244 | EA | Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed. | 1,331.47 | 31.57 |
| 10 28 13 13-0245 | EA | Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed. | 1,406.16 | 31.57 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 28 13 13-0246 | EA | Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG)<br>Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed. | 1,448.84 | 31.57 |
| 10 28 13 13-0247 | EA | Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C)<br>Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed. | 1,491.52 | 31.57 |
| 10 28 13 13-0248 | EA | Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS)<br>Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed. | 1,576.87 | 31.57 |
| 10 28 13 13-0249 | EA | Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9)<br>Note: Electronically adjustable sound and speed. | 1,075.41 | 31.57 |
| 10 28 13 13-0250 | EA | Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M)<br>Note: Electronically adjustable sound and speed. | 1,150.09 | 31.57 |
| 10 28 13 13-0251 | EA | Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG)<br>Note: Electronically adjustable sound and speed. | 1,192.77 | 31.57 |
| 10 28 13 13-0252 | EA | Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C)<br>Note: Electronically adjustable sound and speed. | 1,235.45 | 31.57 |
| 10 28 13 13-0253 | EA | Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS)<br>Note: Electronically adjustable sound and speed. | 1,320.81 | 31.57 |
| 10 28 13 13-0254 | EA | Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)<br>Note: Electronically adjustable sound and speed. | 1,075.41 | 31.57 |
| 10 28 13 13-0255 | EA | Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)<br>Note: Electronically adjustable sound and speed. | 1,150.09 | 31.57 |
| 10 28 13 13-0256 | EA | Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)<br>Note: Electronically adjustable sound and speed. | 1,192.77 | 31.57 |
| 10 28 13 13-0257 | EA | Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C)<br>Note: Electronically adjustable sound and speed. | 1,235.45 | 31.57 |
| 10 28 13 13-0258 | EA | Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS)<br>Note: Electronically adjustable sound and speed. | 1,320.81 | 31.57 |
| 10 28 13 13-0259 | EA | Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90) | 776.66 | 31.57 |
| 10 28 13 13-0260 | EA | Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M) | 851.35 | 31.57 |
| 10 28 13 13-0261 | EA | Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG) | 894.03 | 31.57 |
| 10 28 13 13-0262 | EA | Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C) | 936.70 | 31.57 |
| 10 28 13 13-0263 | EA | Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS) | 1,022.06 | 31.57 |
| 10 28 13 13-0264 | EA | Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H) | 776.66 | 31.57 |
| 10 28 13 13-0265 | EA | Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH) | 851.35 | 31.57 |
| 10 28 13 13-0266 | EA | Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH) | 894.03 | 31.57 |
| 10 28 13 13-0267 | EA | Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH) | 936.70 | 31.57 |
| 10 28 13 13-0268 | EA | Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH) | 1,022.06 | 31.57 |
| 10 28 13 13-0269 | EA | Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1) | 563.27 | 31.57 |
| 10 28 13 13-0270 | EA | Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M) | 637.96 | 31.57 |
| 10 28 13 13-0271 | EA | Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C) | 723.31 | 31.57 |

### 10 28 13 13-0272 Hand Dryers (Excel XLERATOR®) *(10 28 13 13-0001)*

Note: With or without noise reduction nozzle options.

| | | | | |
|---|---|---|---|---|
| 10 28 13 13-0273 | EA | Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W) | 1,105.29 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0274 | EA | Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH) | 1,558.04 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0275 | EA | Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR) | 1,297.54 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0276 | EA | Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH) | 1,623.17 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0277 | EA | Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C) | 1,395.23 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0278 | EA | Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH) | 1,720.86 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 28 13 13-0279 | EA | Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB) | 1,395.23 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0280 | EA | Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH) | 1,720.86 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0281 | EA | Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP) | 1,297.54 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0282 | EA | Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH) | 1,623.17 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0283 | EA | Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW) | 1,167.29 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0284 | EA | Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA)Filtration System (Excel XLERATOR® XL-BWH) | 1,492.92 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0285 | EA | Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO) | 1,105.29 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0286 | EA | Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO) | 1,558.04 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0287 | EA | Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO) | 1,297.54 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0288 | EA | Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO) | 1,623.17 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0289 | EA | Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO) | 1,395.23 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0290 | EA | Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO) | 1,720.86 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0291 | EA | Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO) | 1,395.23 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0292 | EA | Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO) | 1,720.86 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0293 | EA | Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO) | 1,297.54 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0294 | EA | Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO) | 1,623.17 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0295 | EA | Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO) | 1,167.29 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |
| 10 28 13 13-0296 | EA | Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO) | 1,492.92 | 31.57 |
| | | *For ADA-Compliant Recess Kit, Add* | *173.35* | |

## 10 28 13 13-0297 Additional Accessories *(10 28 13 13-0001)*

## 10 28 13 13-0298 Hooks *(10 28 13 13-0297)*

| | | | | |
|---|---|---|---|---|
| 10 28 13 13-0299 | EA | Stainless Steel Clothes Hook And Bumper (Bobrick B-212) | 31.39 | 11.03 |
| 10 28 13 13-0300 | EA | Single Stainless Steel Robe Hook (Bobrick B-233) | 37.61 | 11.03 |
| 10 28 13 13-0301 | EA | Single Stainless Steel Robe Hook (Bobrick B-7671) | 31.95 | 11.03 |
| 10 28 13 13-0302 | EA | Double Stainless Steel Robe Hook (Bobrick B-7672) | 34.73 | 11.03 |
| 10 28 13 13-0303 | EA | Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727) | 57.96 | 11.03 |
| 10 28 13 13-0304 | EA | Single Stainless Steel Robe Hook (Bobrick B-6717) | 52.30 | 11.03 |

## 10 28 13 13-0305 Clotheslines *(10 28 13 13-0297)*

| | | | | |
|---|---|---|---|---|
| 10 28 13 13-0306 | EA | Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636) | 54.87 | 22.06 |

## 10 28 13 13-0307 Towel Bars *(10 28 13 13-0297)*

| | | | | |
|---|---|---|---|---|
| 10 28 13 13-0308 | EA | 18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18) | 67.58 | 24.82 |
| 10 28 13 13-0309 | EA | 24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24) | 67.80 | 24.82 |
| 10 28 13 13-0310 | EA | 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18) | 76.09 | 24.82 |
| 10 28 13 13-0311 | EA | 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24) | 76.88 | 24.82 |
| 10 28 13 13-0312 | EA | 18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673) | 113.25 | 24.82 |
| 10 28 13 13-0313 | EA | 24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673) | 118.05 | 24.82 |
| 10 28 13 13-0314 | EA | 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674) | 116.93 | 24.82 |
| 10 28 13 13-0315 | EA | 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674 or B-6747)) | 120.88 | 24.82 |
| 10 28 13 13-0316 | EA | 18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205) | 127.96 | 24.82 |
| 10 28 13 13-0317 | EA | 24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205) | 132.16 | 24.82 |
| 10 28 13 13-0318 | EA | 18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530) | 97.14 | 24.82 |
| 10 28 13 13-0319 | EA | 24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530) | 100.81 | 24.82 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **10 28 13 13-0320** | | **Towel Bar With Shelf** *(10 28 13 13-0297)* | | |
| 10 28 13 13-0321 | EA | 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676) | 220.68 | 24.82 |
| **10 28 13 13-0322** | | **Towel Pins** *(10 28 13 13-0297)* | | |
| 10 28 13 13-0323 | EA | Stainless Steel Towel Pin (Bobrick B-677) | 55.99 | 11.03 |
| **10 28 13 13-0324** | | **Drinking Fountain Grab Bars** *(10 28 13 13)* | | |
| **10 28 13 13-0325** | | **1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bars** *(10 28 13 13-0324)*<br>Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground. | | |
| 10 28 13 13-0326 | EA | 1-1/4" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars | 537.89 | 72.82 |
| 10 28 13 13-0327 | EA | 1-1/4" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars | 599.13 | 72.82 |
| 10 28 13 13-0328 | EA | 1-1/4" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars | 712.42 | 72.82 |
| 10 28 13 13-0329 | EA | 1-1/4" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars | 877.76 | 72.82 |
| **10 28 13 13-0330** | | **1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bars** *(10 28 13 13-0324)*<br>Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground. | | |
| 10 28 13 13-0331 | EA | 1-1/2" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars | 565.45 | 72.82 |
| 10 28 13 13-0332 | EA | 1-1/2" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars | 626.69 | 72.82 |
| 10 28 13 13-0333 | EA | 1-1/2" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars | 746.10 | 72.82 |
| 10 28 13 13-0334 | EA | 1-1/2" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars | 908.38 | 72.82 |
| **10 28 13 13-0335** | | **1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bar** *(10 28 13 13-0324)* | | |
| 10 28 13 13-0336 | EA | 33" Height x 18" Width From Wall, 1-1/2" Diameter 304 Stainless Steel Drinking Fountain Grab Bar (Bobrick B-819298)<br>Note: Grab bar shall be type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Concealed mounting flanges shall be 1/8" (3mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with two screw holes for attachment to wall and to floor. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws. Ends of grab bar shall pass through concealed mounting ?anges and be heliarc welded to form one structural unit. Grab bar shall comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength. | 531.12 | 111.39 |
| 10 28 13 13-0337 | EA | 33" Height x 4" To <18" Width From Wall, 1-1/2" Diameter 304 Stainless Steel Drinking Fountain Grab Bar (Bobrick Custom B-819298)<br>Note: Grab bar shall be type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Concealed mounting flanges shall be 1/8" (3mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with two screw holes for attachment to wall and to floor. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws. Ends of grab bar shall pass through concealed mounting ?anges and be heliarc welded to form one structural unit. Grab bar shall comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength. | 571.83 | 111.39 |
| 10 28 13 13-0338 | EA | 33" Height x >18" To 26" Width From Wall, 1-1/2" Diameter 304 Stainless Steel Drinking Fountain Grab Bar (Bobrick Custom B-819298)<br>Note: Grab bar shall be type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Concealed mounting flanges shall be 1/8" (3mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with two screw holes for attachment to wall and to floor. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws. Ends of grab bar shall pass through concealed mounting ?anges and be heliarc welded to form one structural unit. Grab bar shall comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength. | 594.94 | 111.39 |
| **10 28 13 13-0339** | | **1-1/2" Diameter, Steel Drinking Fountain Grab Bars** *(10 28 13 13-0324)*<br>Note: Includes three wall and one floor concealed mounting with snap flange. | | |
| 10 28 13 13-0340 | EA | 1-1/2" Diameter, Steel Drinking Fountain Grab Bars, 42" High | 349.33 | 72.82 |
| **10 28 13 13-0341** | | **Mirrors** *(10 28 13 13)* | | |
| **10 28 13 13-0342** | | **Stainless Steel Channel Frame Glass Mirrors** *(10 28 13 13-0341)* | | |
| 10 28 13 13-0343 | EA | 16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24) | 120.35 | 27.58 |
| 10 28 13 13-0344 | EA | 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824) | 137.66 | 27.58 |
| 10 28 13 13-0345 | EA | 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830) | 143.66 | 27.58 |
| | | *For Tempered Glass (B-1658), Add* | *50.36* | |
| 10 28 13 13-0346 | EA | 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836) | 155.95 | 27.58 |
| | | *For Tempered Glass (B-1658), Add* | *58.96* | |
| 10 28 13 13-0347 | EA | 24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430) | 171.72 | 27.58 |
| 10 28 13 13-0348 | EA | 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436) | 178.36 | 27.58 |
| | | *For Tempered Glass (B-1658), Add* | *74.65* | |
| 10 28 13 13-0349 | EA | 24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448) | 221.89 | 27.58 |
| 10 28 13 13-0350 | EA | 24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460) | 257.54 | 27.58 |
| 10 28 13 13-0351 | EA | 36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36) | 312.03 | 27.58 |
| 10 28 13 13-0352 | EA | 48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836) | 394.78 | 27.58 |
| 10 28 13 13-0353 | EA | 60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36) | 445.05 | 27.58 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **10 28 13 13-0354** | | **Stainless Steel Channel Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0341)* | | |
| 10 28 13 13-0355 | EA | 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824) | 230.09 | 27.58 |
| 10 28 13 13-0356 | EA | 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830) | 248.70 | 27.58 |
| 10 28 13 13-0357 | EA | 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836) | 261.01 | 27.58 |
| 10 28 13 13-0358 | EA | 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436) | 295.71 | 27.58 |
| **10 28 13 13-0359** | | **Stainless Steel Angle Frame Glass Mirrors** *(10 28 13 13-0341)* | | |
| 10 28 13 13-0360 | EA | 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824) | 203.87 | 27.58 |
| 10 28 13 13-0361 | EA | 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830) | 224.42 | 27.58 |
| | | *For Tempered Glass (B-2908), Add* | *100.78* | |
| 10 28 13 13-0362 | EA | 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836) | 231.35 | 27.58 |
| | | *For Tempered Glass (B-2908), Add* | *105.36* | |
| 10 28 13 13-0363 | EA | 24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430) | 272.36 | 27.58 |
| 10 28 13 13-0364 | EA | 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436) | 273.94 | 27.58 |
| | | *For Tempered Glass (B-2908), Add* | *133.47* | |
| 10 28 13 13-0365 | EA | 24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448) | 368.90 | 27.58 |
| 10 28 13 13-0366 | EA | 24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460) | 435.15 | 27.58 |
| 10 28 13 13-0367 | EA | 24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472) | 497.00 | 27.58 |
| 10 28 13 13-0368 | EA | 36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36) | 328.58 | 27.58 |
| 10 28 13 13-0369 | EA | 48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36) | 402.31 | 27.58 |
| 10 28 13 13-0370 | EA | 72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36) | 620.37 | 27.58 |
| **10 28 13 13-0371** | | **Stainless Steel Angle Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0341)* | | |
| 10 28 13 13-0372 | EA | 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24) | 211.06 | 27.58 |
| 10 28 13 13-0373 | EA | 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830) | 424.11 | 27.58 |
| 10 28 13 13-0374 | EA | 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836) | 444.94 | 27.58 |
| 10 28 13 13-0375 | EA | 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436) | 497.00 | 27.58 |
| **10 28 13 13-0376** | | **Frameless Stainless Steel Mirrors** *(10 28 13 13-0341)* | | |
| 10 28 13 13-0377 | EA | 17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830) | 229.46 | 27.58 |
| 10 28 13 13-0378 | EA | 23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436) | 299.17 | 27.58 |
| **10 28 13 13-0379** | | **Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors** *(10 28 13 13-0341)* | | |
| 10 28 13 13-0380 | EA | 16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630) | 314.95 | 27.58 |
| 10 28 13 13-0381 | EA | 18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830) | 328.53 | 27.58 |
| 10 28 13 13-0382 | EA | 18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836) | 399.51 | 27.58 |
| 10 28 13 13-0383 | EA | 24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436) | 493.20 | 27.58 |
| **10 28 13 13-0384** | | **Medicine Cabinets** *(10 28 13 13)* | | |
| **10 28 13 13-0385** | | **Metal Medicine Cabinets** *(10 28 13 13-0384)* | | |
| 10 28 13 13-0386 | EA | 20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB) | 247.84 | 55.17 |
| 10 28 13 13-0387 | EA | 15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397)<br>Note: Includes three adjustable plastic shelves. | 253.25 | 55.17 |
| 10 28 13 13-0388 | EA | 14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297)<br>Note: Includes two fixed shelves with baked white enamel finish. | 261.30 | 55.17 |
| 10 28 13 13-0389 | EA | 15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398)<br>Note: Includes four adjustable stainless steel shelves. | 568.04 | 55.17 |
| 10 28 13 13-0390 | EA | 17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299)<br>Note: Includes four adjustable shelves. | 778.66 | 55.17 |
| **10 28 13 13-0391** | | **Janitorial Material** *(10 28 13 13)* | | |
| 10 28 13 13-0392 | EA | Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670) | 52.30 | 11.03 |
| 10 28 13 13-0393 | EA | 24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24) | 136.15 | 24.82 |
| 10 28 13 13-0394 | EA | 24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24) | 131.07 | 24.82 |
| 10 28 13 13-0395 | EA | 30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1) | 148.97 | 24.82 |
| 10 28 13 13-0396 | EA | 36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36) | 166.68 | 24.82 |
| 10 28 13 13-0397 | EA | 36" Length, Utility Hook Strip (Gamco HCS-2) | 111.19 | 24.82 |
| 10 28 13 13-0398 | EA | 36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36) | 309.73 | 24.82 |
| 10 28 13 13-0399 | EA | 34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34) | 446.29 | 24.82 |
| **10 28 13 13-0400** | | **Removal And Reinstallation Of Bathroom Accessories** *(10 28 13 13)* | | |
| 10 28 13 13-0401 | EA | Removal And Reinstallation Of Bathroom Accessory | 34.48 | |

## 10 28 13 63 Detention Toilet Accessories *(10 28 13)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 28 13 63-0001 | | Ligature Resistant, Stainless Steel Grab Bar *(10 28 13 63)* | | |
| 10 28 13 63-0002 | EA | 18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180) | 205.16 | 22.06 |
| 10 28 13 63-0003 | EA | 24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240) | 214.48 | 22.06 |
| 10 28 13 63-0004 | EA | 36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360) | 220.68 | 22.06 |
| 10 28 13 63-0005 | EA | 42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420) | 244.48 | 22.06 |
| 10 28 13 63-0006 | EA | 60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600) | 497.74 | 22.06 |

## 10 28 16 Bath Accessories *(10 28)*

### 10 28 16 13 Residential Bath Accessories *(10 28 16)*

| | | | | |
|---|---|---|---|---|
| 10 28 16 13-0001 | | Residential Toilet Accessories *(10 28 16 13)* | | |
| 10 28 16 13-0002 | | Residential, Recessed, Chrome Plated Toilet Accessories *(10 28 16 13-0001)* | | |
| 10 28 16 13-0003 | EA | Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder | 144.16 | 24.82 |
| 10 28 16 13-0004 | EA | Recessed Mounted, Chrome Plated Soap Dish | 225.03 | 24.82 |
| 10 28 16 13-0005 | EA | Recessed Mounted, Chrome Plated Soap Dish And Bar | 241.47 | 24.82 |
| 10 28 16 13-0006 | EA | Recessed Mounted, Chrome Plated Tumbler Holder | 151.12 | 24.82 |
| 10 28 16 13-0007 | | Residential, Surface Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)* | | |
| 10 28 16 13-0008 | EA | Surface Mounted, Chrome Plated Soap Dish | 98.79 | 16.55 |
| 10 28 16 13-0009 | EA | Surface Mounted, Chrome Plated Single Clothes Hook | 117.12 | 16.55 |
| 10 28 16 13-0010 | EA | Surface Mounted, Chrome Plated Double Clothes Hook | 117.12 | 16.55 |
| 10 28 16 13-0011 | LF | 6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports | 260.04 | 16.55 |
| 10 28 16 13-0012 | LF | 6" Deep, Surface Mounted, Stainless Steel Shelf | 213.92 | 16.55 |
| 10 28 16 13-0013 | EA | 18" Length, Surface Mounted, Chrome Plated Towel Bar | 126.26 | 22.06 |
| 10 28 16 13-0014 | EA | 24" Length, Surface Mounted, Chrome Plated Towel Bar | 128.31 | 22.06 |
| 10 28 16 13-0015 | EA | Surface Mounted, Chrome Plated Towel Ring | 94.26 | 16.55 |
| 10 28 16 13-0016 | EA | Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder | 87.75 | 11.03 |
| 10 28 16 13-0017 | EA | Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder | 98.79 | 16.55 |
| 10 28 16 13-0018 | EA | Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder | 221.69 | 16.55 |
| 10 28 16 13-0019 | EA | Surface Mounted, Chrome Plated Globe Soap Dispenser | 123.45 | 16.55 |
| 10 28 16 13-0020 | EA | Surface Mounted, Chrome Plated Towel Pin | 131.75 | 11.03 |
| 10 28 16 13-0021 | EA | Surface Mounted, Chrome Plated Towel Ladder And Shelf | 433.26 | 16.55 |
| 10 28 16 13-0022 | EA | Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline | 204.92 | 16.55 |
| 10 28 16 13-0023 | EA | 24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar | 83.16 | 16.55 |
| 10 28 16 13-0024 | | Residential Medicine Cabinets, Solid Oak *(10 28 16 13-0001)* | | |
| | | Note: Surface or recessed mounted, premium quality. | | |
| 10 28 16 13-0025 | EA | 24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror | 322.06 | 55.17 |
| 10 28 16 13-0026 | EA | 24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror | 410.25 | 55.17 |
| 10 28 16 13-0027 | EA | 30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror | 338.59 | 55.17 |
| 10 28 16 13-0028 | EA | 30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror | 432.80 | 55.17 |
| 10 28 16 13-0029 | EA | 36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror | 349.01 | 55.17 |
| 10 28 16 13-0030 | EA | 36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror | 452.60 | 55.17 |
| 10 28 16 13-0031 | EA | 48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror | 363.33 | 55.17 |
| 10 28 16 13-0032 | EA | 48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror | 476.81 | 55.17 |
| 10 28 16 13-0033 | | Residential Toilet Accessories *(10 28 16 13-0001)* | | |
| 10 28 16 13-0034 | EA | Surface Mounted Plastic Paper Towel Dispenser | 108.83 | 24.82 |
| 10 28 16 13-0035 | EA | Surface Mounted Plastic Napkin Disposal | 95.76 | 24.82 |
| 10 28 16 13-0036 | EA | 50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent | 100.37 | |
| 10 28 16 13-0037 | EA | 50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps | 114.21 | 24.82 |
| 10 28 16 13-0038 | EA | Multi Roll (2) Plastic Toilet Tissue Dispenser | 108.87 | 24.82 |
| 10 28 16 13-0039 | EA | Single Jumbo Roll Plastic Toilet Tissue Dispenser | 133.41 | 30.34 |
| 10 28 16 13-0040 | EA | Surface Mounted Plastic Toilet Seat Cover Dispenser | 73.38 | 22.06 |
| 10 28 16 13-0041 | EA | 13 Gallon Plastic Waste Door For Countertops | 259.55 | 41.37 |

## 10 28 19 Tub and Shower Enclosures *(10 28)*

### 10 28 19 16 Shower Doors *(10 28 19)*

| | | | | |
|---|---|---|---|---|
| 10 28 19 16-0001 | | Swinging Shower Doors *(10 28 19 16)* | | |
| 10 28 19 16-0002 | | Framed, Swinging Shower Doors *(10 28 19 16-0001)* | | |
| 10 28 19 16-0003 | EA | 24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801) | 568.11 | 58.53 |
| 10 28 19 16-0004 | EA | 27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802) | 597.66 | 29.27 |
| 10 28 19 16-0005 | EA | 29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803) | 720.24 | 29.27 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 28 19 16-0006 | EA | 33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804) | 594.52 | 29.27 |
| 10 28 19 16-0007 | EA | 35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805) | 636.38 | 29.27 |
| 10 28 19 16-0008 | | Frameless, Swinging Shower Doors *(10 28 19 16-0001)* | | |
| 10 28 19 16-0009 | EA | 24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D) | 883.39 | 29.27 |
| 10 28 19 16-0010 | EA | 31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D) | 924.36 | 29.27 |
| 10 28 19 16-0011 | EA | 32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D) | 962.91 | 29.27 |
| 10 28 19 16-0012 | EA | 34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D) | 1,003.88 | 29.27 |
| 10 28 19 16-0013 | EA | 35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D) | 1,043.65 | 29.27 |
| 10 28 19 16-0014 | | Sliding Shower Doors *(10 28 19 16)* | | |
| 10 28 19 16-0015 | | Framed, Sliding Shower Doors *(10 28 19 16-0014)* | | |
| 10 28 19 16-0016 | EA | 40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735) | 961.54 | 29.27 |
| 10 28 19 16-0017 | EA | 44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745) | 878.63 | 29.27 |
| 10 28 19 16-0018 | EA | 46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775) | 900.96 | 29.27 |
| 10 28 19 16-0019 | EA | 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729) | 924.71 | 29.27 |
| 10 28 19 16-0020 | EA | 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794) | 937.96 | 29.27 |
| 10 28 19 16-0021 | EA | 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795) | 957.57 | 29.27 |
| 10 28 19 16-0022 | | Frameless, Sliding Shower Doors *(10 28 19 16-0014)* | | |
| 10 28 19 16-0023 | EA | 40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335) | 997.84 | 29.27 |
| 10 28 19 16-0024 | EA | 44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345) | 1,223.38 | 29.27 |
| 10 28 19 16-0025 | EA | 56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394) | 1,299.29 | 29.27 |
| 10 28 19 16-0026 | EA | 40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330) | 1,170.52 | 29.27 |
| 10 28 19 16-0027 | EA | 44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370) | 1,187.14 | 29.27 |
| 10 28 19 16-0028 | EA | 56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390) | 1,341.62 | 29.27 |
| **10 28 19 19** | | **Tub Doors** *(10 28 19)* | | |
| 10 28 19 19-0001 | | Sliding Bathtub Doors *(10 28 19 19)* | | |
| 10 28 19 19-0002 | | Framed, Sliding Bathtub Doors *(10 28 19 19-0001)* | | |
| 10 28 19 19-0003 | EA | 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725) | 853.70 | 29.27 |
| 10 28 19 19-0004 | EA | 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749) | 863.26 | 29.27 |
| 10 28 19 19-0005 | EA | 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750) | 884.86 | 29.27 |

# 10 30 Fireplaces and Stoves *(10)*

## 10 31 Manufactured Fireplaces *(10 30)*

### 10 31 13 Manufactured Fireplace Chimneys *(10 31)*

See CSI section 23 51 00 00-0000 for chimneys.

### 10 31 16 Manufactured Fireplace Forms *(10 31)*

| | | | | |
|---|---|---|---|---|
| 10 31 16 00-0001 | | Prefabricated Fireplaces *(10 31 16)*<br>Note: Listed by screen width. | | |
| 10 31 16 00-0002 | | Radiant Heat Fireplace Inserts *(10 31 16 00-0001)*<br>Note: Includes insert, screen, grate and vent connection. | | |
| 10 31 16 00-0003 | EA | 38" Wide Radiant Heat, Open Front Fireplace Insert | 1,612.93 | 267.67 |
| | | *For Circulating Heat Fireplace, Add* | *59.27* | |
| 10 31 16 00-0004 | EA | 43" Wide Radiant Heat, Open Front Fireplace Insert | 1,714.00 | 275.95 |
| | | *For Circulating Heat Fireplace, Add* | *63.92* | |
| 10 31 16 00-0005 | EA | 48" Wide Radiant Heat, Open Front Fireplace Insert | 1,847.25 | 289.75 |
| | | *For Circulating Heat Fireplace, Add* | *69.73* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 31 16 00-0006 | | **Radiant Heat Natural Gas Fireplace** *(10 31 16 00-0001)* Note: Includes insert, screen, gas logs and vent connection. Units are remote ready. | | |
| 10 31 16 00-0007 | EA | 32" Wide Radiant Heat Natural Gas Fireplace | 2,131.45 | 267.67 |
| | | *For Circulating Heat Fireplace, Add* | *87.79* | |
| | | *For Remote Ignition, Add* | *79.81* | |
| 10 31 16 00-0008 | EA | 36" Wide Radiant Heat Natural Gas Fireplace | 2,266.13 | 275.95 |
| | | *For Circulating Heat Fireplace, Add* | *94.28* | |
| | | *For Remote Ignition, Add* | *85.71* | |
| 10 31 16 00-0009 | | **Vent Free Radiant Heat Natural Gas Fireplace** *(10 31 16 00-0001)* Note: Includes insert, screen, and gas logs. Units are remote ready. | | |
| 10 31 16 00-0010 | EA | 26" Wide Vent Free Radiant Heat Natural Gas Fireplace | 2,322.97 | 231.79 |
| | | *For Circulating Heat Fireplace, Add* | *102.27* | |
| | | *For Remote Ignition, Add* | *92.97* | |
| 10 31 16 00-0011 | EA | 32" Wide Vent Free Radiant Heat Natural Gas Fireplace | 2,593.30 | 248.35 |
| | | *For Circulating Heat Fireplace, Add* | *115.31* | |
| | | *For Remote Ignition, Add* | *104.83* | |
| 10 31 16 00-0012 | EA | 36" Wide Vent Free Radiant Heat Natural Gas Fireplace | 2,891.54 | 275.95 |
| | | *For Circulating Heat Fireplace, Add* | *128.68* | |
| | | *For Remote Ignition, Add* | *116.98* | |
| 10 31 16 00-0013 | EA | 42" Wide Vent Free Radiant Heat Natural Gas Fireplace | 3,285.11 | 298.03 |
| | | *For Circulating Heat Fireplace, Add* | *147.90* | |
| | | *For Remote Ignition, Add* | *134.45* | |

## 10 32 Fireplace Specialties *(10 30)*

### 10 32 16 Fireplace Inserts *(10 32)*

| | | | | |
|---|---|---|---|---|
| 10 32 16 00-0001 | | **Gas Log Inserts, Vented** *(10 32 16)* Note: Manual controlled. | | |
| 10 32 16 00-0002 | EA | 15", 4 Log Set Gas Log Insert | 740.14 | 117.10 |
| 10 32 16 00-0003 | EA | 18", 6 Log Set Gas Log Insert | 910.58 | 117.10 |
| 10 32 16 00-0004 | EA | 21", 6 Log Set Gas Log Insert | 960.35 | 117.10 |
| 10 32 16 00-0005 | EA | 24", 6 or 7 Log Set Gas Log Insert | 1,010.12 | 117.10 |
| 10 32 16 00-0006 | EA | 30", 7 or 8 Log Set Gas Log Insert | 1,285.02 | 117.10 |
| 10 32 16 00-0007 | EA | 36", 8 to 11 Log Set Gas Log Insert | 1,513.52 | 117.10 |

### 10 32 19 Fireplace Screens *(10 32)*

| | | | | |
|---|---|---|---|---|
| 10 32 19 00-0001 | | **Screens, Mounted** *(10 32 19)* | | |
| 10 32 19 00-0002 | EA | Black Powder Coated Steel Screen And Frame Note: Fits Heights between 18" to 27" and widths up to 42". | 167.07 | |
| 10 32 19 00-0003 | EA | Stainless Steel Screen And Frame Note: Fits Heights between 18" to 27" and widths up to 42". | 284.55 | |

### 10 32 23 Fireplace Doors *(10 32)*

| | | | | |
|---|---|---|---|---|
| 10 32 23 00-0001 | | **Glass Doors, Bi-Fold** *(10 32 23)* Note: Includes anodized aluminum enclosure with 2 3/4" top and side panels and a 11/16" bottom panel. Flat black or polished brass finish. | | |
| 10 32 23 00-0002 | EA | 29" To 32" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass. | 1,277.22 | 74.70 |
| | | *For Wire Mesh Screen, Add* | *96.00* | |
| | | *For Wire Mesh Door, Add* | *152.00* | |
| 10 32 23 00-0003 | EA | 32" To 35" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass. | 1,394.61 | 74.70 |
| | | *For Wire Mesh Screen, Add* | *96.00* | |
| | | *For Wire Mesh Door, Add* | *152.00* | |
| 10 32 23 00-0004 | EA | 35" To 38" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass. | 1,488.51 | 74.70 |
| | | *For Wire Mesh Screen, Add* | *96.00* | |
| | | *For Wire Mesh Door, Add* | *152.00* | |
| 10 32 23 00-0005 | EA | 38" To 43" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass. | 1,601.20 | 74.70 |
| | | *For Wire Mesh Screen, Add* | *96.00* | |
| | | *For Wire Mesh Door, Add* | *152.00* | |
| 10 32 23 00-0006 | | **Chimney Dampers / Chimalator** *(10 32 23)* Note: Stainless steel top sealing damper cap. | | |
| 10 32 23 00-0007 | EA | 8" x 8" Stainless Steel Chimalator Top Sealing Damper Cap | 538.21 | 22.09 |
| 10 32 23 00-0008 | EA | 8" x 13" Stainless Steel Chimalator Top Sealing Damper Cap | 559.15 | 23.50 |
| 10 32 23 00-0009 | EA | 8" x 18" Stainless Steel Chimalator Top Sealing Damper Cap | 724.87 | 26.79 |
| 10 32 23 00-0010 | EA | 8" x 20" Stainless Steel Chimalator Top Sealing Damper Cap | 775.46 | 26.79 |
| 10 32 23 00-0011 | EA | 10" x 18" Stainless Steel Chimalator Top Sealing Damper Cap | 820.57 | 33.61 |
| 10 32 23 00-0012 | EA | 12" x 12" Stainless Steel Chimalator Top Sealing Damper Cap | 631.28 | 33.61 |
| 10 32 23 00-0013 | EA | 12" x 16" Stainless Steel Chimalator Top Sealing Damper Cap | 790.69 | 40.32 |
| 10 32 23 00-0014 | EA | 13" x 13" Stainless Steel Chimalator Top Sealing Damper Cap | 631.28 | 33.61 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 32 23 00-0015 | EA | 13" x 18" Stainless Steel Chimalator Top Sealing Damper Cap | 790.69 | 40.32 |
| 10 32 23 00-0016 | EA | 13" x 21" Stainless Steel Chimalator Top Sealing Damper Cap | 1,006.87 | 40.32 |
| 10 32 23 00-0017 | EA | 16" x 16" Stainless Steel Chimalator Top Sealing Damper Cap | 904.60 | 56.42 |
| 10 32 23 00-0018 | EA | 16" x 20" Stainless Steel Chimalator Top Sealing Damper Cap | 1,116.19 | 56.42 |
| 10 32 23 00-0019 | EA | 18" x 18" Stainless Steel Chimalator Top Sealing Damper Cap | 944.28 | 59.36 |
| 10 32 23 00-0020 | EA | 18" x 21" Stainless Steel Chimalator Top Sealing Damper Cap | 1,183.32 | 59.36 |
| 10 32 23 00-0021 | EA | 20" x 20" Stainless Steel Chimalator Top Sealing Damper Cap | 1,271.36 | 62.64 |
| 10 32 23 00-0022 | EA | 20" x 24" Stainless Steel Chimalator Top Sealing Damper Cap | 1,371.02 | 62.64 |
| 10 32 23 00-0023 | EA | 24" x 24" Stainless Steel Chimalator Top Sealing Damper Cap | 1,458.52 | 66.40 |

# 10 40 Safety Specialties *(10)*

## 10 41 Emergency Access And Information Cabinets *(10 40)*

### 10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) *(10 41 13)*

| | | | | |
|---|---|---|---|---|
| 10 41 13 00-0002 | EA | 18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300) | 1,750.65 | 35.85 |
| | | *For Tamper Switch Connected To Existing Alarm System, Add* | *40.00* | |
| | | *For Dual Locks, Add* | *60.00* | |
| | | *For Back Key Hook Panel, Add* | *59.11* | |
| | | *For Swing Key Hook Panel, Add* | *158.11* | |
| | | *For Non-Locking Weather Housing, Add* | *397.33* | |
| 10 41 13 00-0003 | EA | 18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300) | 1,857.06 | 35.85 |
| | | *For Tamper Switch Connected To Existing Alarm System, Add* | *40.00* | |
| | | *For Dual Locks, Add* | *60.00* | |
| | | *For Back Key Hook Panel, Add* | *59.11* | |
| | | *For Swing Key Hook Panel, Add* | *158.11* | |
| | | *For Second Swing Key Hook Panel, Add* | *125.11* | |
| | | *For Non-Locking Weather Housing, Add* | *397.33* | |

### 10 41 16 Emergency Key Cabinets *(10 41)*

10 41 16 00-0001 Emergency Key Cabinets (Knox) *(10 41 16)*

| | | | | |
|---|---|---|---|---|
| 10 41 16 00-0002 | EA | Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403) | 867.49 | 35.85 |
| | | *For Tamper Switch Connected To Existing Alarm System, Add* | *40.00* | |
| 10 41 16 00-0003 | EA | 5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200) | 761.08 | 35.85 |
| | | *For Lift-Off Door, Deduct* | *-40.00* | |
| | | *For Aluminum Or Dark Bronze Finish, Add* | *10.00* | |
| | | *For Tamper Switch Connected To Existing Alarm System, Add* | *40.00* | |
| | | *For Recess Mount, Add* | *60.55* | |
| | | *For Cast-In-Place Concrete Recess Mounting, Add* | *119.00* | |
| 10 41 16 00-0004 | EA | 6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100) | 1,021.78 | 35.85 |
| | | *For Aluminum Or Dark Bronze Finish, Add* | *10.00* | |
| | | *For Tamper Switch Connected To Existing Alarm System, Add* | *40.00* | |
| | | *For Recess Mount, Add* | *60.55* | |
| | | *For Dual Locks, Add* | *60.00* | |
| | | *For Cast-In-Place Concrete Recess Mounting, Add* | *130.00* | |
| 10 41 16 00-0005 | EA | 7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400) | 1,088.28 | 35.85 |
| | | *For Aluminum Or Dark Bronze Finish, Add* | *10.00* | |
| | | *For Tamper Switch Connected To Existing Alarm System, Add* | *40.00* | |
| | | *For Recess Mount, Add* | *60.55* | |
| | | *For Dual Locks, Add* | *60.00* | |
| | | *For Cast-In-Place Concrete Recess Mounting, Add* | *135.00* | |

## 10 44 Fire Protection Specialties *(10 40)*

### 10 44 13 Fire Protection Cabinets *(10 44)*

10 44 13 00-0001 Fire Extinguisher Cabinets *(10 44 13)*

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

| | | | | |
|---|---|---|---|---|
| 10 44 13 00-0004 | EA | 9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet | 392.31 | 45.24 |
| 10 44 13 00-0005 | EA | 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet | 400.11 | 45.24 |
| 10 44 13 00-0006 | EA | 10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet | 401.67 | 45.24 |
| 10 44 13 00-0007 | EA | 12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet | 450.04 | 45.24 |
| 10 44 13 00-0008 | EA | 16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet | 576.41 | 45.24 |
| 10 44 13 00-0009 | EA | 20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet | 593.57 | 45.24 |

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

| | | | | |
|---|---|---|---|---|
| 10 44 13 00-0011 | EA | 9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet | 369.06 | 45.24 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 44 13 00-0012 | EA | 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet | 374.98 | 45.24 |
| 10 44 13 00-0013 | EA | 10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet | 384.84 | 45.24 |
| 10 44 13 00-0014 | EA | 12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet | 401.61 | 45.24 |
| 10 44 13 00-0015 | EA | 16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet | 453.46 | 45.24 |
| 10 44 13 00-0016 | EA | 20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet | 469.24 | 45.24 |
| 10 44 13 00-0017 | | **Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0002)* | | |
| | | Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0018 | EA | 9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet | 529.04 | 45.24 |
| 10 44 13 00-0019 | EA | 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet | 542.81 | 45.24 |
| 10 44 13 00-0020 | EA | 10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet | 549.70 | 45.24 |
| 10 44 13 00-0021 | EA | 12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet | 596.75 | 45.24 |
| 10 44 13 00-0022 | EA | 16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet | 691.56 | 45.24 |
| 10 44 13 00-0023 | EA | 20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet | 720.25 | 45.24 |
| 10 44 13 00-0024 | | **Bronze Door And Trim, Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0002)* | | |
| | | Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0025 | EA | 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet | 1,656.27 | 45.24 |
| 10 44 13 00-0026 | EA | 10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet | 1,668.87 | 45.24 |
| 10 44 13 00-0027 | EA | 12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet | 1,925.81 | 45.24 |
| 10 44 13 00-0028 | | **Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0002)* | | |
| | | Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0029 | EA | 10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door | 493.72 | 45.24 |
| 10 44 13 00-0030 | EA | 14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door | 553.01 | 45.24 |
| 10 44 13 00-0031 | | **Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0001)* | | |
| 10 44 13 00-0032 | | **Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)* | | |
| | | Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0033 | EA | 9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet | 434.44 | 45.24 |
| 10 44 13 00-0034 | EA | 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet | 450.04 | 45.24 |
| 10 44 13 00-0035 | EA | 10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet | 451.60 | 45.24 |
| 10 44 13 00-0036 | EA | 12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet | 504.64 | 45.24 |
| 10 44 13 00-0037 | EA | 16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet | 610.73 | 45.24 |
| 10 44 13 00-0038 | EA | 20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet | 627.89 | 45.24 |
| 10 44 13 00-0039 | | **Aluminum Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)* | | |
| | | Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0040 | EA | 9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet | 413.02 | 45.24 |
| 10 44 13 00-0041 | EA | 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet | 427.81 | 45.24 |
| 10 44 13 00-0042 | EA | 10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet | 436.69 | 45.24 |
| 10 44 13 00-0043 | EA | 12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet | 453.46 | 45.24 |
| 10 44 13 00-0044 | EA | 16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet | 511.65 | 45.24 |
| 10 44 13 00-0045 | EA | 20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet | 525.46 | 45.24 |
| 10 44 13 00-0046 | | **Stainless Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)* | | |
| | | Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0047 | EA | 9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet | 589.43 | 45.24 |
| 10 44 13 00-0048 | EA | 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet | 605.50 | 45.24 |
| 10 44 13 00-0049 | EA | 10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet | 612.38 | 45.24 |
| 10 44 13 00-0050 | EA | 12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet | 647.96 | 45.24 |
| 10 44 13 00-0051 | EA | 16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet | 736.32 | 45.24 |
| 10 44 13 00-0052 | EA | 20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet | 755.83 | 45.24 |
| 10 44 13 00-0053 | | **Bronze Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)* | | |
| | | Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0054 | EA | 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet | 2,105.07 | 45.24 |
| 10 44 13 00-0055 | EA | 10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet | 2,115.64 | 45.24 |
| 10 44 13 00-0056 | EA | 12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet | 2,434.78 | 45.24 |
| 10 44 13 00-0057 | | **Acrylic Bubble Door And Steel Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)* | | |
| | | Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0058 | EA | 10-1/2" x 24" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door | 549.89 | 45.24 |
| 10 44 13 00-0059 | EA | 14" x 30" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door | 606.05 | 45.24 |
| 10 44 13 00-0060 | | **Surface Mounted Fire Extinguisher Cabinets** *(10 44 13 00-0001)* | | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **10 44 13 00-0061** | | **Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)* | | |
| | | Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0062 | EA | 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet | 421.96 | 45.24 |
| 10 44 13 00-0063 | EA | 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet | 431.32 | 45.24 |
| 10 44 13 00-0064 | EA | 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet | 506.20 | 45.24 |
| 10 44 13 00-0065 | EA | 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet | 598.25 | 45.24 |
| 10 44 13 00-0066 | EA | 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet | 623.21 | 45.24 |
| **10 44 13 00-0067** | | **Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)* | | |
| | | Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0068 | EA | 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet | 506.72 | 45.24 |
| 10 44 13 00-0069 | EA | 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet | 519.54 | 45.24 |
| 10 44 13 00-0070 | EA | 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet | 548.15 | 45.24 |
| 10 44 13 00-0071 | EA | 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet | 604.37 | 45.24 |
| 10 44 13 00-0072 | EA | 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet | 628.04 | 45.24 |
| **10 44 13 00-0073** | | **Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)* | | |
| | | Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0074 | EA | 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet | 689.27 | 45.24 |
| 10 44 13 00-0075 | EA | 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet | 711.07 | 45.24 |
| 10 44 13 00-0076 | EA | 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet | 765.01 | 45.24 |
| 10 44 13 00-0077 | EA | 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet | 869.44 | 45.24 |
| 10 44 13 00-0078 | EA | 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet | 901.57 | 45.24 |
| **10 44 13 00-0079** | | **Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)* | | |
| | | Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0080 | EA | 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet | 2,424.82 | 45.24 |
| 10 44 13 00-0081 | EA | 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet | 2,741.53 | 45.24 |
| **10 44 13 00-0082** | | **Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)* | | |
| | | Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub. | | |
| 10 44 13 00-0083 | EA | 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door | 515.56 | 45.24 |
| 10 44 13 00-0084 | EA | 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door | 584.21 | 45.24 |
| 10 44 13 00-0085 | EA | 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door | 824.47 | 45.24 |
| **10 44 13 00-0086** | | **Fire Extinguisher Cabinet Accessories** *(10 44 13 00-0001)* | | |
| 10 44 13 00-0087 | EA | Standard Break Glass Cylinder Lock Mechanism | 39.56 | 13.79 |
| 10 44 13 00-0088 | EA | Breaker Bar And Chain For Break Glass Cabinets | 35.37 | 13.79 |
| 10 44 13 00-0089 | EA | Replacement Of Standard Pull Handle | 32.82 | |
| 10 44 13 00-0090 | EA | Fire Extinguisher Cabinet Battery Operated Alarm | 109.07 | 27.58 |
| 10 44 13 00-0091 | EA | Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets | 238.02 | |
| 10 44 13 00-0092 | EA | Fire Rated Option For 12" x 27" x 7-3/4" Cabinets | 261.82 | |
| 10 44 13 00-0093 | EA | Fire Rated Option For 16" x 32" x 7-3/4" Cabinets | 357.03 | |
| 10 44 13 00-0094 | EA | Fire Rated Option For 20" x 27" x 7-3/4" Cabinets | 487.94 | |
| 10 44 13 00-0095 | EA | Fire Rated Option For 9" x 18" x 5-1/2" Cabinets | 571.25 | |
| 10 44 13 00-0096 | EA | Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets | 138.05 | |
| 10 44 13 00-0097 | EA | Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets | 142.81 | |
| 10 44 13 00-0098 | EA | Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets | 190.42 | |
| 10 44 13 00-0099 | EA | Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets | 345.13 | |
| 10 44 13 00-0100 | EA | Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets | 349.89 | |
| 10 44 13 00-0101 | EA | Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets | 130.92 | |
| 10 44 13 00-0102 | EA | Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets | 137.47 | |
| 10 44 13 00-0103 | EA | Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets | 185.47 | |
| 10 44 13 00-0104 | EA | Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets | 327.30 | |
| 10 44 13 00-0105 | EA | Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets | 331.66 | |
| **10 44 13 00-0106** | | **Fire Hose Cabinets** *(10 44 13)* | | |
| | | Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves. | | |
| **10 44 13 00-0107** | | **Recessed Fire Hose Cabinets** *(10 44 13 00-0106)* | | |
| **10 44 13 00-0108** | | **Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)* | | |
| | | Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch. | | |
| 10 44 13 00-0109 | EA | 34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet | 686.68 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0110 | EA | 34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet | 698.97 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 44 13 00-0111 | EA | 38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet | 709.21 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0112 | EA | 38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet | 719.46 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0113 | EA | 30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet | 731.74 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0114 | EA | 38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet | 764.49 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0115 | EA | 23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet | 774.74 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |

### 10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

| | | | | |
|---|---|---|---|---|
| 10 44 13 00-0117 | EA | 34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet | 743.43 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0118 | EA | 30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet | 763.23 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0119 | EA | 34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet | 765.80 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0120 | EA | 38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet | 774.03 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0121 | EA | 38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet | 784.83 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0122 | EA | 38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet | 815.42 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0123 | EA | 23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet | 846.02 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |

### 10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

| | | | | |
|---|---|---|---|---|
| 10 44 13 00-0125 | EA | 23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet | 978.33 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0126 | EA | 34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet | 1,080.77 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0127 | EA | 34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet | 1,090.63 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0128 | EA | 38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet | 1,122.15 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0129 | EA | 38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet | 1,132.00 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0130 | EA | 30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet | 1,183.22 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0131 | EA | 38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet | 1,234.45 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |

### 10 44 13 00-0132 Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0106)*

### 10 44 13 00-0133 Steel Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

| | | | | |
|---|---|---|---|---|
| 10 44 13 00-0134 | EA | 34" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet | 719.46 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0135 | EA | 34" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet | 731.74 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0136 | EA | 38" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet | 741.96 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0137 | EA | 38" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet | 754.25 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0138 | EA | 30" x 30" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet | 764.49 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0139 | EA | 38" x 32" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet | 797.24 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0140 | EA | 23" x 18" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet | 809.52 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |

### 10 44 13 00-0141 Aluminum Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

| | | | | |
|---|---|---|---|---|
| 10 44 13 00-0142 | EA | 34" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet | 763.23 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0143 | EA | 34" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet | 784.83 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0144 | EA | 30" x 30" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet | 787.91 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0145 | EA | 38" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet | 793.83 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0146 | EA | 38" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet | 804.62 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 44 13 00-0147 | EA | 38" x 32" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet | 835.22 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0148 | EA | 23" x 18" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet | 865.82 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0149 | | **Stainless Steel Door And Trim, Semi-Recessed Fire Hose Cabinets** *(10 44 13 00-0132)* | | |
| | | Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch. | | |
| 10 44 13 00-0150 | EA | 23" x 18" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet | 1,039.40 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0151 | EA | 34" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet | 1,151.70 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0152 | EA | 34" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet | 1,161.55 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0153 | EA | 38" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet | 1,193.07 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0154 | EA | 38" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet | 1,202.92 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0155 | EA | 30" x 30" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet | 1,254.15 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0156 | EA | 38" x 32" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet | 1,305.37 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0157 | | **Surface Mount Fire Hose Cabinets** *(10 44 13 00-0106)* | | |
| 10 44 13 00-0158 | | **Steel Door And Trim, Surface Mount Fire Hose Cabinets** *(10 44 13 00-0157)* | | |
| | | Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch. | | |
| 10 44 13 00-0159 | EA | 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet | 731.74 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0160 | EA | 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet | 741.96 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0161 | EA | 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet | 754.25 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0162 | EA | 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet | 764.49 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0163 | EA | 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet | 774.74 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0164 | EA | 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet | 809.52 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0165 | EA | 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet | 819.77 | 161.13 |
| | | *For Solid Steel Door, Deduct* | *-8.60* | |
| 10 44 13 00-0166 | | **Aluminum Door And Trim, Surface Mount Fire Hose Cabinets** *(10 44 13 00-0157)* | | |
| | | Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch. | | |
| 10 44 13 00-0167 | EA | 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet | 815.42 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0168 | EA | 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet | 835.22 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0169 | EA | 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet | 840.36 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0170 | EA | 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet | 846.02 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0171 | EA | 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet | 855.02 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0172 | EA | 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet | 887.42 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0173 | EA | 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet | 907.22 | 161.13 |
| | | *For Solid Aluminum Door, Add* | *6.50* | |
| 10 44 13 00-0174 | | **Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets** *(10 44 13 00-0157)* | | |
| | | Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch. | | |
| 10 44 13 00-0175 | EA | 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet | 1,122.15 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0176 | EA | 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet | 1,449.20 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0177 | EA | 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet | 1,531.94 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0178 | EA | 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet | 1,551.64 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0179 | EA | 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet | 1,571.35 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0180 | EA | 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet | 1,654.09 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |
| 10 44 13 00-0181 | EA | 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet | 1,756.54 | 161.13 |
| | | *For Solid Stainless Steel Door, Deduct* | *-7.70* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 10 44 16 Fire Extinguishers *(10 44)*

### 10 44 16 13 Portable Fire Extinguishers *(10 44 16)*

Note: Includes filling, certification, bracket, hardware and mounting on wall.

#### 10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*

| | | | | |
|---|---|---|---|---|
| 10 44 16 13-0002 | EA | 2.5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher | 181.70 | 14.34 |
| | | *For >5 To 10, Deduct* | *-5.41* | |
| | | *For >10, Deduct* | *-10.82* | |
| | | *For Placement In Cabinet, Deduct* | *-36.78* | |
| 10 44 16 13-0003 | EA | 5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher | 263.62 | 16.55 |
| | | *For >5 To 10, Deduct* | *-8.94* | |
| | | *For >10, Deduct* | *-17.87* | |
| | | *For Placement In Cabinet, Deduct* | *-42.44* | |
| 10 44 16 13-0004 | EA | 10 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher | 342.89 | 20.97 |
| | | *For >5 To 10, Deduct* | *-11.63* | |
| | | *For >10, Deduct* | *-23.26* | |
| | | *For Placement In Cabinet, Deduct* | *-55.17* | |
| 10 44 16 13-0005 | EA | 15 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher | 422.34 | 26.48 |
| | | *For >5 To 10, Deduct* | *-14.22* | |
| | | *For >10, Deduct* | *-28.44* | |
| | | *For Placement In Cabinet, Deduct* | *-68.96* | |
| 10 44 16 13-0006 | EA | 20 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher | 468.81 | 26.48 |
| | | *For >5 To 10, Deduct* | *-16.55* | |
| | | *For >10, Deduct* | *-33.09* | |
| | | *For Placement In Cabinet, Deduct* | *-68.96* | |
| 10 44 16 13-0007 | EA | 50 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher | 1,488.07 | 41.92 |
| | | *For >5 To 10, Deduct* | *-63.37* | |
| | | *For >10, Deduct* | *-126.74* | |
| 10 44 16 13-0008 | EA | 100 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher | 2,900.72 | 41.92 |
| | | *For >5 To 10, Deduct* | *-134.00* | |
| | | *For >10, Deduct* | *-268.01* | |

#### 10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher *(10 44 16 13)*

| | | | | |
|---|---|---|---|---|
| 10 44 16 13-0010 | EA | 2.6 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher | 114.79 | 14.34 |
| | | *For >5 To 10, Deduct* | *-2.06* | |
| | | *For >10, Deduct* | *-4.12* | |
| | | *For Placement In Cabinet, Deduct* | *-36.78* | |
| 10 44 16 13-0011 | EA | 5 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher | 143.37 | 16.55 |
| | | *For >5 To 10, Deduct* | *-2.92* | |
| | | *For >10, Deduct* | *-5.85* | |
| | | *For Placement In Cabinet, Deduct* | *-42.44* | |
| 10 44 16 13-0012 | EA | 10 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher | 203.44 | 20.97 |
| | | *For >5 To 10, Deduct* | *-4.66* | |
| | | *For >10, Deduct* | *-9.31* | |
| | | *For Placement In Cabinet, Deduct* | *-55.17* | |
| 10 44 16 13-0013 | EA | 20 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher | 284.45 | 26.48 |
| | | *For >5 To 10, Deduct* | *-7.33* | |
| | | *For >10, Deduct* | *-14.65* | |
| | | *For Placement In Cabinet, Deduct* | *-68.96* | |
| 10 44 16 13-0014 | EA | 50 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher | 1,780.28 | 41.92 |
| | | *For >5 To 10, Deduct* | *-77.98* | |
| | | *For >10, Deduct* | *-155.96* | |
| 10 44 16 13-0015 | EA | 125 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher | 2,634.44 | 41.92 |
| | | *For >5 To 10, Deduct* | *-120.69* | |
| | | *For >10, Deduct* | *-241.38* | |

#### 10 44 16 13-0016 Other Portable Fire Extinguishers *(10 44 16 13)*

| | | | | |
|---|---|---|---|---|
| 10 44 16 13-0017 | EA | 2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher<br>Note: Stainless steel. | 204.83 | 16.55 |
| | | *For >5 To 10, Deduct* | *-6.00* | |
| | | *For >10, Deduct* | *-12.00* | |
| | | *For Placement In Cabinet, Deduct* | *-42.44* | |
| 10 44 16 13-0018 | EA | 1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher<br>Note: Stainless steel. | 311.03 | 26.48 |
| | | *For >5 To 10, Deduct* | *-8.66* | |
| | | *For >10, Deduct* | *-17.31* | |
| | | *For Placement In Cabinet, Deduct* | *-68.96* | |
| 10 44 16 13-0019 | EA | 2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher<br>Note: Stainless steel. | 329.89 | 26.48 |
| | | *For >5 To 10, Deduct* | *-9.60* | |
| | | *For >10, Deduct* | *-19.20* | |
| | | *For Placement In Cabinet, Deduct* | *-68.96* | |
| 10 44 16 13-0020 | EA | 30 Lb. Dry Powder, Class D Portable Fire Extinguisher.<br>Note: Yellow steel. | 460.17 | 26.48 |
| | | *For >5 To 10, Deduct* | *-16.11* | |
| | | *For >10, Deduct* | *-32.23* | |

#### 10 44 16 13-0021 Fire Extinguisher Backboards *(10 44 16 13)*

#### 10 44 16 13-0022 Fire Extinguisher Backboards *(10 44 16 13-0021)*

Note: Mounted to any wall. Includes anchors.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 44 16 13-0023 | EA | Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard | 119.15 | 18.92 |
| 10 44 16 13-0024 | EA | Relocate Fire Extinguisher Wood Backboard, Any Size<br>Note: Includes storage and cleaning. | 166.87 | |

10 44 16 13-0025 Inspections And Testing *(10 44 16 13)*

| | | | | |
|---|---|---|---|---|
| 10 44 16 13-0026 | EA | On Site Fire Extinguisher Annual Inspection (Tag) | 8.65 | |
| 10 44 16 13-0027 | EA | On Site Fire Extinguisher Hydrotest | 12.71 | |

### 10 44 19 Fire Blankets *(10 44)*

| | | | | |
|---|---|---|---|---|
| 10 44 19 00-0001 | EA | Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB)<br>Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket. | 524.33 | 45.24 |
| 10 44 19 00-0002 | EA | Drop Type Fire Blanket Cabinet (JL Industries 2FB)<br>Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket. | 376.12 | 45.24 |

## 10 45 Photoluminescent Exit Specialties *(10 40)*

10 45 00 00-0001 Photoluminescent Illuminated Egress Markings *(10 45)*

| | | | | |
|---|---|---|---|---|
| 10 45 00 00-0002 | LF | 1" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors<br>Note: Peel and stick. | 9.62 | |
| | | *For Wall Applied, Add* | *1.00* | |
| 10 45 00 00-0003 | LF | 1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors<br>Note: Peel and stick. | 10.19 | |
| | | *For Wall Applied, Add* | *1.00* | |
| 10 45 00 00-0004 | LF | 2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors<br>Note: Peel and stick. | 10.76 | |
| | | *For Wall Applied, Add* | *1.00* | |
| 10 45 00 00-0005 | LF | 1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors<br>Note: Peel and stick. | 10.19 | |
| | | *For Wall Applied, Add* | *1.00* | |
| 10 45 00 00-0006 | LF | 2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors<br>Note: Peel and stick. | 11.32 | |
| | | *For Wall Applied, Add* | *1.00* | |
| 10 45 00 00-0007 | LF | 1-1/2" Wide Egress Photoluminescent Danger Warning Marking Tape With Stripes Applied To Floors<br>Note: Peel and stick. | 12.04 | |
| | | *For Wall Applied, Add* | *1.00* | |
| 10 45 00 00-0008 | EA | 1" Wide x 48" Long Photoluminescent Strip Exit Path Marking Applied To Floors<br>Note: Self adhesive, high bond foam backing. | 52.54 | |
| 10 45 00 00-0009 | EA | 1" Wide x 30" Long Aluminum Stair Nosing With Photoluminescent Strip<br>Note: Self adhesive, high bond foam backing. | 51.82 | |

# 10 50 Storage Specialties *(10)*

## 10 51 Lockers *(10 50)*

### 10 51 13 Metal Lockers *(10 51)*

10 51 13 00-0001 Institutional And Corridor Lockers *(10 51 13)*
Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*
Note: Includes one hat shelf, three single hooks and one double hook.

| | | | | |
|---|---|---|---|---|
| 10 51 13 00-0003 | EA | 12" x 12" x 48" Single Tier Institutional Or Corridor Locker | 287.30 | 34.20 |
| | | *For >25 To 50, Deduct* | *-10.94* | |
| | | *For >50 To 100, Deduct* | *-22.92* | |
| | | *For >100, Deduct* | *-34.89* | |
| | | *For 14 Gauge Doors, Add* | *17.51* | |
| 10 51 13 00-0004 | EA | 12" x 15" x 48" Single Tier Institutional Or Corridor Locker | 295.97 | 34.20 |
| | | *For >25 To 50, Deduct* | *-11.38* | |
| | | *For >50 To 100, Deduct* | *-23.78* | |
| | | *For >100, Deduct* | *-36.19* | |
| | | *For 14 Gauge Doors, Add* | *18.20* | |
| 10 51 13 00-0005 | EA | 12" x 18" x 48" Single Tier Institutional Or Corridor Locker | 304.62 | 34.20 |
| | | *For >25 To 50, Deduct* | *-11.81* | |
| | | *For >50 To 100, Deduct* | *-24.65* | |
| | | *For >100, Deduct* | *-37.48* | |
| | | *For 14 Gauge Doors, Add* | *18.90* | |
| 10 51 13 00-0006 | EA | 12" x 12" x 60" Single Tier Institutional Or Corridor Locker | 271.45 | 34.20 |
| | | *For >25 To 50, Deduct* | *-10.15* | |
| | | *For >50 To 100, Deduct* | *-21.33* | |
| | | *For >100, Deduct* | *-32.51* | |
| | | *For 14 Gauge Doors, Add* | *16.24* | |
| 10 51 13 00-0007 | EA | 12" x 15" x 60" Single Tier Institutional Or Corridor Locker | 282.21 | 34.20 |
| | | *For >25 To 50, Deduct* | *-10.69* | |
| | | *For >50 To 100, Deduct* | *-22.41* | |
| | | *For >100, Deduct* | *-34.12* | |
| | | *For 14 Gauge Doors, Add* | *17.10* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 13 00-0008 | EA | 12" x 18" x 60" Single Tier Institutional Or Corridor Locker | 296.92 | 34.20 |
| | | *For >25 To 50, Deduct* | *-11.43* | |
| | | *For >50 To 100, Deduct* | *-23.88* | |
| | | *For >100, Deduct* | *-36.33* | |
| | | *For 14 Gauge Doors, Add* | *18.28* | |
| 10 51 13 00-0009 | EA | 12" x 12" x 72" Single Tier Institutional Or Corridor Locker | 295.98 | 35.31 |
| | | *For >25 To 50, Deduct* | *-11.27* | |
| | | *For >50 To 100, Deduct* | *-23.60* | |
| | | *For >100, Deduct* | *-35.92* | |
| | | *For 14 Gauge Doors, Add* | *18.03* | |
| 10 51 13 00-0010 | EA | 12" x 15" x 72" Single Tier Institutional Or Corridor Locker | 304.90 | 35.31 |
| | | *For >25 To 50, Deduct* | *-11.71* | |
| | | *For >50 To 100, Deduct* | *-24.49* | |
| | | *For >100, Deduct* | *-37.26* | |
| | | *For 14 Gauge Doors, Add* | *18.74* | |
| 10 51 13 00-0011 | EA | 12" x 18" x 72" Single Tier Institutional Or Corridor Locker | 313.59 | 35.31 |
| | | *For >25 To 50, Deduct* | *-12.15* | |
| | | *For >50 To 100, Deduct* | *-25.36* | |
| | | *For >100, Deduct* | *-38.57* | |
| | | *For 14 Gauge Doors, Add* | *19.44* | |
| 10 51 13 00-0012 | EA | 15" x 15" x 72" Single Tier Institutional Or Corridor Locker | 328.60 | 35.31 |
| | | *For >25 To 50, Deduct* | *-12.90* | |
| | | *For >50 To 100, Deduct* | *-26.86* | |
| | | *For >100, Deduct* | *-40.82* | |
| | | *For 14 Gauge Doors, Add* | *20.64* | |
| 10 51 13 00-0013 | EA | 15" x 18" x 72" Single Tier Institutional Or Corridor Locker | 343.46 | 35.31 |
| | | *For >25 To 50, Deduct* | *-13.64* | |
| | | *For >50 To 100, Deduct* | *-28.34* | |
| | | *For >100, Deduct* | *-43.05* | |
| | | *For 14 Gauge Doors, Add* | *21.83* | |
| 10 51 13 00-0014 | EA | 18" x 18" x 72" Single Tier Institutional Or Corridor Locker | 359.19 | 35.31 |
| | | *For >25 To 50, Deduct* | *-14.43* | |
| | | *For >50 To 100, Deduct* | *-29.92* | |
| | | *For >100, Deduct* | *-45.41* | |
| | | *For 14 Gauge Doors, Add* | *23.09* | |
| 10 51 13 00-0015 | EA | 18" x 21" x 72" Single Tier Institutional Or Corridor Locker | 373.72 | 35.31 |
| | | *For >25 To 50, Deduct* | *-15.16* | |
| | | *For >50 To 100, Deduct* | *-31.37* | |
| | | *For >100, Deduct* | *-47.58* | |
| | | *For 14 Gauge Doors, Add* | *24.25* | |
| 10 51 13 00-0016 | EA | 24" x 24" x 72" Single Tier Institutional Or Corridor Locker | 506.46 | 35.31 |
| | | *For >25 To 50, Deduct* | *-21.79* | |
| | | *For >50 To 100, Deduct* | *-44.64* | |
| | | *For >100, Deduct* | *-67.50* | |
| | | *For 14 Gauge Doors, Add* | *34.87* | |

### 10 51 13 00-0017 Two Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes three single hooks and one double hook per tier.

| | | | | |
|---|---|---|---|---|
| 10 51 13 00-0018 | EA | 12" x 12" x 60" Two Tier Institutional Or Corridor Locker | 321.09 | 35.31 |
| | | *For >25 To 50, Deduct* | *-12.52* | |
| | | *For >50 To 100, Deduct* | *-26.11* | |
| | | *For >100, Deduct* | *-39.69* | |
| | | *For 14 Gauge Doors, Add* | *27.55* | |
| 10 51 13 00-0019 | EA | 12" x 15" x 60" Two Tier Institutional Or Corridor Locker | 327.86 | 35.31 |
| | | *For >25 To 50, Deduct* | *-12.86* | |
| | | *For >50 To 100, Deduct* | *-26.78* | |
| | | *For >100, Deduct* | *-40.71* | |
| | | *For 14 Gauge Doors, Add* | *28.30* | |
| 10 51 13 00-0020 | EA | 12" x 18" x 60" Two Tier Institutional Or Corridor Locker | 334.70 | 35.31 |
| | | *For >25 To 50, Deduct* | *-13.20* | |
| | | *For >50 To 100, Deduct* | *-27.47* | |
| | | *For >100, Deduct* | *-41.73* | |
| | | *For 14 Gauge Doors, Add* | *29.05* | |
| 10 51 13 00-0021 | EA | 12" x 12" x 72" Two Tier Institutional Or Corridor Locker | 335.74 | 36.41 |
| | | *For >25 To 50, Deduct* | *-13.15* | |
| | | *For >50 To 100, Deduct* | *-27.38* | |
| | | *For >100, Deduct* | *-41.62* | |
| | | *For 14 Gauge Doors, Add* | *28.92* | |
| 10 51 13 00-0022 | EA | 12" x 15" x 72" Two Tier Institutional Or Corridor Locker | 350.56 | 36.41 |
| | | *For >25 To 50, Deduct* | *-13.89* | |
| | | *For >50 To 100, Deduct* | *-28.87* | |
| | | *For >100, Deduct* | *-43.85* | |
| | | *For 14 Gauge Doors, Add* | *30.55* | |
| 10 51 13 00-0023 | EA | 12" x 18" x 72" Two Tier Institutional Or Corridor Locker | 359.50 | 36.41 |
| | | *For >25 To 50, Deduct* | *-14.33* | |
| | | *For >50 To 100, Deduct* | *-29.76* | |
| | | *For >100, Deduct* | *-45.19* | |
| | | *For 14 Gauge Doors, Add* | *31.53* | |
| 10 51 13 00-0024 | EA | 15" x 15" x 72" Two Tier Institutional Or Corridor Locker | 372.32 | 36.41 |
| | | *For >25 To 50, Deduct* | *-14.98* | |
| | | *For >50 To 100, Deduct* | *-31.04* | |
| | | *For >100, Deduct* | *-47.11* | |
| | | *For 14 Gauge Doors, Add* | *32.95* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 13 00-0025 | EA | 15" x 18" x 72" Two Tier Institutional Or Corridor Locker | 385.20 | 36.41 |
| | | *For >25 To 50, Deduct* | *-15.62* | |
| | | *For >50 To 100, Deduct* | *-32.33* | |
| | | *For >100, Deduct* | *-49.04* | |
| | | *For 14 Gauge Doors, Add* | *34.36* | |
| 10 51 13 00-0026 | EA | 18" x 18" x 72" Two Tier Institutional Or Corridor Locker | 443.46 | 36.41 |
| | | *For >25 To 50, Deduct* | *-18.53* | |
| | | *For >50 To 100, Deduct* | *-38.16* | |
| | | *For >100, Deduct* | *-57.78* | |
| | | *For 14 Gauge Doors, Add* | *40.77* | |
| 10 51 13 00-0027 | EA | 18" x 21" x 72" Two Tier Institutional Or Corridor Locker | 454.04 | 36.41 |
| | | *For >25 To 50, Deduct* | *-19.06* | |
| | | *For >50 To 100, Deduct* | *-39.21* | |
| | | *For >100, Deduct* | *-59.37* | |
| | | *For 14 Gauge Doors, Add* | *41.93* | |
| **10 51 13 00-0028** | | **Three Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)* | | |
| | | Note: Includes one double hook per tier. | | |
| 10 51 13 00-0029 | EA | 12" x 12" x 72" Three Tier Institutional Or Corridor Locker | 377.29 | 37.52 |
| | | *For >25 To 50, Deduct* | *-15.11* | |
| | | *For >50 To 100, Deduct* | *-31.35* | |
| | | *For >100, Deduct* | *-47.59* | |
| | | *For 14 Gauge Doors, Add* | *45.34* | |
| 10 51 13 00-0030 | EA | 12" x 15" x 72" Three Tier Institutional Or Corridor Locker | 384.25 | 37.52 |
| | | *For >25 To 50, Deduct* | *-15.46* | |
| | | *For >50 To 100, Deduct* | *-32.05* | |
| | | *For >100, Deduct* | *-48.63* | |
| | | *For 14 Gauge Doors, Add* | *46.38* | |
| 10 51 13 00-0031 | EA | 12" x 18" x 72" Three Tier Institutional Or Corridor Locker | 408.98 | 37.52 |
| | | *For >25 To 50, Deduct* | *-16.70* | |
| | | *For >50 To 100, Deduct* | *-34.52* | |
| | | *For >100, Deduct* | *-52.34* | |
| | | *For 14 Gauge Doors, Add* | *50.09* | |
| 10 51 13 00-0032 | EA | 15" x 15" x 72" Three Tier Institutional Or Corridor Locker | 432.67 | 37.52 |
| | | *For >25 To 50, Deduct* | *-17.88* | |
| | | *For >50 To 100, Deduct* | *-36.89* | |
| | | *For >100, Deduct* | *-55.90* | |
| | | *For 14 Gauge Doors, Add* | *53.65* | |
| 10 51 13 00-0033 | EA | 15" x 18" x 72" Three Tier Institutional Or Corridor Locker | 451.53 | 37.52 |
| | | *For >25 To 50, Deduct* | *-18.83* | |
| | | *For >50 To 100, Deduct* | *-38.78* | |
| | | *For >100, Deduct* | *-58.73* | |
| | | *For 14 Gauge Doors, Add* | *56.48* | |
| **10 51 13 00-0034** | | **Four Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)* | | |
| 10 51 13 00-0035 | EA | 12" x 12" x 72" Four Tier Institutional Or Corridor Locker | 370.20 | 38.61 |
| | | *For >25 To 50, Deduct* | *-14.65* | |
| | | *For >50 To 100, Deduct* | *-30.45* | |
| | | *For >100, Deduct* | *-46.26* | |
| 10 51 13 00-0036 | EA | 12" x 15" x 72" Four Tier Institutional Or Corridor Locker | 382.34 | 38.61 |
| | | *For >25 To 50, Deduct* | *-15.26* | |
| | | *For >50 To 100, Deduct* | *-31.67* | |
| | | *For >100, Deduct* | *-48.08* | |
| 10 51 13 00-0037 | EA | 12" x 18" x 72" Four Tier Institutional Or Corridor Locker | 401.88 | 38.61 |
| | | *For >25 To 50, Deduct* | *-16.23* | |
| | | *For >50 To 100, Deduct* | *-33.62* | |
| | | *For >100, Deduct* | *-51.01* | |
| 10 51 13 00-0038 | EA | 15" x 15" x 72" Four Tier Institutional Or Corridor Locker | 417.51 | 38.61 |
| | | *For >25 To 50, Deduct* | *-17.01* | |
| | | *For >50 To 100, Deduct* | *-35.19* | |
| | | *For >100, Deduct* | *-53.36* | |
| 10 51 13 00-0039 | EA | 15" x 18" x 72" Four Tier Institutional Or Corridor Locker | 440.02 | 38.61 |
| | | *For >25 To 50, Deduct* | *-18.14* | |
| | | *For >50 To 100, Deduct* | *-37.44* | |
| | | *For >100, Deduct* | *-56.73* | |
| **10 51 13 00-0040** | | **Six Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)* | | |
| 10 51 13 00-0041 | EA | 12" x 12" x 72" Six Tier Institutional Or Corridor Locker | 402.95 | 39.72 |
| | | *For >25 To 50, Deduct* | *-16.18* | |
| | | *For >50 To 100, Deduct* | *-33.54* | |
| | | *For >100, Deduct* | *-50.91* | |
| 10 51 13 00-0042 | EA | 12" x 15" x 72" Six Tier Institutional Or Corridor Locker | 412.31 | 39.72 |
| | | *For >25 To 50, Deduct* | *-16.64* | |
| | | *For >50 To 100, Deduct* | *-34.48* | |
| | | *For >100, Deduct* | *-52.31* | |
| 10 51 13 00-0043 | EA | 12" x 18" x 72" Six Tier Institutional Or Corridor Locker | 429.99 | 39.72 |
| | | *For >25 To 50, Deduct* | *-17.53* | |
| | | *For >50 To 100, Deduct* | *-36.25* | |
| | | *For >100, Deduct* | *-54.97* | |
| **10 51 13 00-0044** | | **Locker And Coat Rack Combination** *(10 51 13 00-0001)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 13 00-0045 | EA | 45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination | 749.19 | 26.48 |
| 10 51 13 00-0046 | EA | 72" x 18" x 78", 16 Person Locker And Coat Rack Combination | 1,196.89 | 55.17 |
| 10 51 13 00-0047 | | **Athletic Lockers** *(10 51 13)*<br>Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks. | | |
| 10 51 13 00-0048 | | **Single Tier Athletic Locker** *(10 51 13 00-0047)*<br>Note: Includes one hat shelf, three single hooks and one double hook. | | |
| 10 51 13 00-0049 | EA | 12" x 15" x 60" Single Tier Athletic Locker | 408.52 | 35.31 |
| | | *For >25 To 50, Deduct* | *-16.90* | |
| | | *For >50 To 100, Deduct* | *-34.85* | |
| | | *For >100, Deduct* | *-52.80* | |
| 10 51 13 00-0050 | EA | 12" x 18" x 60" Single Tier Athletic Locker | 422.78 | 35.31 |
| | | *For >25 To 50, Deduct* | *-17.61* | |
| | | *For >50 To 100, Deduct* | *-36.28* | |
| | | *For >100, Deduct* | *-54.94* | |
| 10 51 13 00-0051 | EA | 15" x 15" x 60" Single Tier Athletic Locker | 431.96 | 35.31 |
| | | *For >25 To 50, Deduct* | *-18.07* | |
| | | *For >50 To 100, Deduct* | *-37.19* | |
| | | *For >100, Deduct* | *-56.32* | |
| 10 51 13 00-0052 | EA | 15" x 18" x 60" Single Tier Athletic Locker | 447.19 | 35.31 |
| | | *For >25 To 50, Deduct* | *-18.83* | |
| | | *For >50 To 100, Deduct* | *-38.72* | |
| | | *For >100, Deduct* | *-58.61* | |
| 10 51 13 00-0053 | EA | 18" x 18" x 60" Single Tier Athletic Locker | 512.91 | 35.31 |
| | | *For >25 To 50, Deduct* | *-22.12* | |
| | | *For >50 To 100, Deduct* | *-45.29* | |
| | | *For >100, Deduct* | *-68.46* | |
| 10 51 13 00-0054 | EA | 18" x 21" x 60" Single Tier Athletic Locker | 565.16 | 35.31 |
| | | *For >25 To 50, Deduct* | *-24.73* | |
| | | *For >50 To 100, Deduct* | *-50.51* | |
| | | *For >100, Deduct* | *-76.30* | |
| 10 51 13 00-0055 | EA | 18" x 24" x 60" Single Tier Athletic Locker | 600.90 | 35.31 |
| | | *For >25 To 50, Deduct* | *-26.51* | |
| | | *For >50 To 100, Deduct* | *-54.09* | |
| | | *For >100, Deduct* | *-81.66* | |
| 10 51 13 00-0056 | EA | 12" x 15" x 72" Single Tier Athletic Locker | 424.35 | 35.31 |
| | | *For >25 To 50, Deduct* | *-17.69* | |
| | | *For >50 To 100, Deduct* | *-36.43* | |
| | | *For >100, Deduct* | *-55.18* | |
| 10 51 13 00-0057 | EA | 12" x 18" x 72" Single Tier Athletic Locker | 450.06 | 35.31 |
| | | *For >25 To 50, Deduct* | *-18.97* | |
| | | *For >50 To 100, Deduct* | *-39.00* | |
| | | *For >100, Deduct* | *-59.04* | |
| 10 51 13 00-0058 | EA | 15" x 15" x 72" Single Tier Athletic Locker | 459.09 | 35.31 |
| | | *For >25 To 50, Deduct* | *-19.42* | |
| | | *For >50 To 100, Deduct* | *-39.91* | |
| | | *For >100, Deduct* | *-60.39* | |
| 10 51 13 00-0059 | EA | 15" x 18" x 72" Single Tier Athletic Locker | 475.59 | 35.31 |
| | | *For >25 To 50, Deduct* | *-20.25* | |
| | | *For >50 To 100, Deduct* | *-41.56* | |
| | | *For >100, Deduct* | *-62.87* | |
| 10 51 13 00-0060 | EA | 18" x 18" x 72" Single Tier Athletic Locker | 516.28 | 35.31 |
| | | *For >25 To 50, Deduct* | *-22.28* | |
| | | *For >50 To 100, Deduct* | *-45.63* | |
| | | *For >100, Deduct* | *-68.97* | |
| 10 51 13 00-0061 | EA | 18" x 21" x 72" Single Tier Athletic Locker | 558.92 | 35.31 |
| | | *For >25 To 50, Deduct* | *-24.42* | |
| | | *For >50 To 100, Deduct* | *-49.89* | |
| | | *For >100, Deduct* | *-75.36* | |
| 10 51 13 00-0062 | | **Two Tier Athletic Locker** *(10 51 13 00-0047)*<br>Note: Includes three single hooks and one double hook per tier. | | |
| 10 51 13 00-0063 | EA | 12" x 12" x 60" Two Tier Athletic Locker | 458.38 | 36.41 |
| | | *For >25 To 50, Deduct* | *-19.28* | |
| | | *For >50 To 100, Deduct* | *-39.65* | |
| | | *For >100, Deduct* | *-60.02* | |
| 10 51 13 00-0064 | EA | 12" x 15" x 60" Two Tier Athletic Locker | 473.57 | 36.41 |
| | | *For >25 To 50, Deduct* | *-20.04* | |
| | | *For >50 To 100, Deduct* | *-41.17* | |
| | | *For >100, Deduct* | *-62.30* | |
| 10 51 13 00-0065 | EA | 12" x 18" x 60" Two Tier Athletic Locker | 490.67 | 36.41 |
| | | *For >25 To 50, Deduct* | *-20.89* | |
| | | *For >50 To 100, Deduct* | *-42.88* | |
| | | *For >100, Deduct* | *-64.86* | |
| 10 51 13 00-0066 | EA | 15" x 15" x 60" Two Tier Athletic Locker | 492.33 | 36.41 |
| | | *For >25 To 50, Deduct* | *-20.98* | |
| | | *For >50 To 100, Deduct* | *-43.04* | |
| | | *For >100, Deduct* | *-65.11* | |
| 10 51 13 00-0067 | EA | 15" x 18" x 60" Two Tier Athletic Locker | 495.89 | 36.41 |
| | | *For >25 To 50, Deduct* | *-21.15* | |
| | | *For >50 To 100, Deduct* | *-43.40* | |
| | | *For >100, Deduct* | *-65.65* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 13 00-0068 | EA | 18" x 18" x 60" Two Tier Athletic Locker | 525.93 | 36.41 |
| | | *For >25 To 50, Deduct* | *-22.66* | |
| | | *For >50 To 100, Deduct* | *-46.40* | |
| | | *For >100, Deduct* | *-70.15* | |
| 10 51 13 00-0069 | EA | 18" x 21" x 60" Two Tier Athletic Locker | 547.94 | 36.41 |
| | | *For >25 To 50, Deduct* | *-23.76* | |
| | | *For >50 To 100, Deduct* | *-48.60* | |
| | | *For >100, Deduct* | *-73.45* | |
| 10 51 13 00-0070 | EA | 18" x 24" x 60" Two Tier Athletic Locker | 646.21 | 36.41 |
| | | *For >25 To 50, Deduct* | *-28.67* | |
| | | *For >50 To 100, Deduct* | *-58.43* | |
| | | *For >100, Deduct* | *-88.19* | |
| 10 51 13 00-0071 | EA | 12" x 12" x 72" Two Tier Athletic Locker | 474.82 | 36.41 |
| | | *For >25 To 50, Deduct* | *-20.10* | |
| | | *For >50 To 100, Deduct* | *-41.29* | |
| | | *For >100, Deduct* | *-62.48* | |
| 10 51 13 00-0072 | EA | 12" x 15" x 72" Two Tier Athletic Locker | 490.38 | 36.41 |
| | | *For >25 To 50, Deduct* | *-20.88* | |
| | | *For >50 To 100, Deduct* | *-42.85* | |
| | | *For >100, Deduct* | *-64.82* | |
| 10 51 13 00-0073 | EA | 12" x 18" x 72" Two Tier Athletic Locker | 511.59 | 36.41 |
| | | *For >25 To 50, Deduct* | *-21.94* | |
| | | *For >50 To 100, Deduct* | *-44.97* | |
| | | *For >100, Deduct* | *-68.00* | |
| 10 51 13 00-0074 | EA | 15" x 15" x 72" Two Tier Athletic Locker | 514.80 | 36.41 |
| | | *For >25 To 50, Deduct* | *-22.10* | |
| | | *For >50 To 100, Deduct* | *-45.29* | |
| | | *For >100, Deduct* | *-68.48* | |
| 10 51 13 00-0075 | EA | 15" x 18" x 72" Two Tier Athletic Locker | 532.23 | 36.41 |
| | | *For >25 To 50, Deduct* | *-22.97* | |
| | | *For >50 To 100, Deduct* | *-47.03* | |
| | | *For >100, Deduct* | *-71.10* | |
| 10 51 13 00-0076 | EA | 18" x 18" x 72" Two Tier Athletic Locker | 553.64 | 36.41 |
| | | *For >25 To 50, Deduct* | *-24.04* | |
| | | *For >50 To 100, Deduct* | *-49.17* | |
| | | *For >100, Deduct* | *-74.31* | |
| 10 51 13 00-0077 | EA | 18" x 21" x 72" Two Tier Athletic Locker | 601.70 | 36.41 |
| | | *For >25 To 50, Deduct* | *-26.44* | |
| | | *For >50 To 100, Deduct* | *-53.98* | |
| | | *For >100, Deduct* | *-81.52* | |

## 10 51 13 00-0078 Three Tier Athletic Locker *(10 51 13 00-0047)*

Note: Includes one double hook per tier.

| | | | | |
|---|---|---|---|---|
| 10 51 13 00-0079 | EA | 12" x 12" x 60" Three Tier Athletic Locker | 497.17 | 37.52 |
| | | *For >25 To 50, Deduct* | *-21.11* | |
| | | *For >50 To 100, Deduct* | *-43.34* | |
| | | *For >100, Deduct* | *-65.57* | |
| 10 51 13 00-0080 | EA | 12" x 15" x 60" Three Tier Athletic Locker | 521.79 | 37.52 |
| | | *For >25 To 50, Deduct* | *-22.34* | |
| | | *For >50 To 100, Deduct* | *-45.80* | |
| | | *For >100, Deduct* | *-69.26* | |
| 10 51 13 00-0081 | EA | 12" x 18" x 60" Three Tier Athletic Locker | 543.55 | 37.52 |
| | | *For >25 To 50, Deduct* | *-23.43* | |
| | | *For >50 To 100, Deduct* | *-47.98* | |
| | | *For >100, Deduct* | *-72.53* | |
| 10 51 13 00-0082 | EA | 15" x 15" x 60" Three Tier Athletic Locker | 558.34 | 37.52 |
| | | *For >25 To 50, Deduct* | *-24.17* | |
| | | *For >50 To 100, Deduct* | *-49.46* | |
| | | *For >100, Deduct* | *-74.75* | |
| 10 51 13 00-0083 | EA | 15" x 18" x 60" Three Tier Athletic Locker | 582.95 | 37.52 |
| | | *For >25 To 50, Deduct* | *-25.40* | |
| | | *For >50 To 100, Deduct* | *-51.92* | |
| | | *For >100, Deduct* | *-78.44* | |
| 10 51 13 00-0084 | EA | 12" x 12" x 72" Three Tier Athletic Locker | 525.22 | 37.52 |
| | | *For >25 To 50, Deduct* | *-22.51* | |
| | | *For >50 To 100, Deduct* | *-46.14* | |
| | | *For >100, Deduct* | *-69.78* | |
| 10 51 13 00-0085 | EA | 12" x 15" x 72" Three Tier Athletic Locker | 547.45 | 37.52 |
| | | *For >25 To 50, Deduct* | *-23.62* | |
| | | *For >50 To 100, Deduct* | *-48.37* | |
| | | *For >100, Deduct* | *-73.11* | |
| 10 51 13 00-0086 | EA | 12" x 18" x 72" Three Tier Athletic Locker | 578.13 | 37.52 |
| | | *For >25 To 50, Deduct* | *-25.16* | |
| | | *For >50 To 100, Deduct* | *-51.44* | |
| | | *For >100, Deduct* | *-77.72* | |
| 10 51 13 00-0087 | EA | 15" x 15" x 72" Three Tier Athletic Locker | 593.83 | 37.52 |
| | | *For >25 To 50, Deduct* | *-25.94* | |
| | | *For >50 To 100, Deduct* | *-53.01* | |
| | | *For >100, Deduct* | *-80.07* | |
| 10 51 13 00-0088 | EA | 15" x 18" x 72" Three Tier Athletic Locker | 617.39 | 37.52 |
| | | *For >25 To 50, Deduct* | *-27.12* | |
| | | *For >50 To 100, Deduct* | *-55.36* | |
| | | *For >100, Deduct* | *-83.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **10 51 13 00-0089** | | **Four Tier Athletic Locker** *(10 51 13 00-0047)* | | |
| 10 51 13 00-0090 | EA | 12" x 12" x 60" Four Tier Athletic Locker | 457.39 | 38.61 |
| | | *For >25 To 50, Deduct* | *-19.01* | |
| | | *For >50 To 100, Deduct* | *-39.17* | |
| | | *For >100, Deduct* | *-59.34* | |
| 10 51 13 00-0091 | EA | 12" x 15" x 60" Four Tier Athletic Locker | 487.54 | 38.61 |
| | | *For >25 To 50, Deduct* | *-20.52* | |
| | | *For >50 To 100, Deduct* | *-42.19* | |
| | | *For >100, Deduct* | *-63.86* | |
| 10 51 13 00-0092 | EA | 12" x 18" x 60" Four Tier Athletic Locker | 517.69 | 38.61 |
| | | *For >25 To 50, Deduct* | *-22.02* | |
| | | *For >50 To 100, Deduct* | *-45.20* | |
| | | *For >100, Deduct* | *-68.38* | |
| 10 51 13 00-0093 | EA | 15" x 15" x 60" Four Tier Athletic Locker | 530.01 | 38.61 |
| | | *For >25 To 50, Deduct* | *-22.64* | |
| | | *For >50 To 100, Deduct* | *-46.44* | |
| | | *For >100, Deduct* | *-70.23* | |
| 10 51 13 00-0094 | EA | 15" x 18" x 60" Four Tier Athletic Locker | 579.54 | 38.61 |
| | | *For >25 To 50, Deduct* | *-25.12* | |
| | | *For >50 To 100, Deduct* | *-51.39* | |
| | | *For >100, Deduct* | *-77.66* | |
| 10 51 13 00-0095 | EA | 12" x 12" x 72" Four Tier Athletic Locker | 488.07 | 38.61 |
| | | *For >25 To 50, Deduct* | *-20.54* | |
| | | *For >50 To 100, Deduct* | *-42.24* | |
| | | *For >100, Deduct* | *-63.94* | |
| 10 51 13 00-0096 | EA | 12" x 15" x 72" Four Tier Athletic Locker | 518.65 | 38.61 |
| | | *For >25 To 50, Deduct* | *-22.07* | |
| | | *For >50 To 100, Deduct* | *-45.30* | |
| | | *For >100, Deduct* | *-68.53* | |
| 10 51 13 00-0097 | EA | 12" x 18" x 72" Four Tier Athletic Locker | 549.23 | 38.61 |
| | | *For >25 To 50, Deduct* | *-23.60* | |
| | | *For >50 To 100, Deduct* | *-48.36* | |
| | | *For >100, Deduct* | *-73.12* | |
| 10 51 13 00-0098 | EA | 15" x 15" x 72" Four Tier Athletic Locker | 564.89 | 38.61 |
| | | *For >25 To 50, Deduct* | *-24.38* | |
| | | *For >50 To 100, Deduct* | *-49.92* | |
| | | *For >100, Deduct* | *-75.46* | |
| 10 51 13 00-0099 | EA | 15" x 18" x 72" Four Tier Athletic Locker | 576.64 | 38.61 |
| | | *For >25 To 50, Deduct* | *-24.97* | |
| | | *For >50 To 100, Deduct* | *-51.10* | |
| | | *For >100, Deduct* | *-77.23* | |
| **10 51 13 00-0100** | | **Six Tier Athletic Locker** *(10 51 13 00-0047)* | | |
| 10 51 13 00-0101 | EA | 12" x 12" x 72" Six Tier Athletic Locker | 541.70 | 39.72 |
| | | *For >25 To 50, Deduct* | *-23.11* | |
| | | *For >50 To 100, Deduct* | *-47.42* | |
| | | *For >100, Deduct* | *-71.72* | |
| 10 51 13 00-0102 | EA | 12" x 15" x 72" Six Tier Athletic Locker | 565.20 | 39.72 |
| | | *For >25 To 50, Deduct* | *-24.29* | |
| | | *For >50 To 100, Deduct* | *-49.77* | |
| | | *For >100, Deduct* | *-75.25* | |
| 10 51 13 00-0103 | EA | 12" x 18" x 72" Six Tier Athletic Locker | 588.65 | 39.72 |
| | | *For >25 To 50, Deduct* | *-25.46* | |
| | | *For >50 To 100, Deduct* | *-52.11* | |
| | | *For >100, Deduct* | *-78.76* | |
| 10 51 13 00-0104 | EA | 12" x 21" x 72" Six Tier Athletic Locker | 674.24 | 39.72 |
| | | *For >25 To 50, Deduct* | *-29.74* | |
| | | *For >50 To 100, Deduct* | *-60.67* | |
| | | *For >100, Deduct* | *-91.60* | |
| **10 51 13 00-0105** | | **Metal Locker Accessories** *(10 51 13)* | | |
| **10 51 13 00-0106** | | **Locker Slope Tops** *(10 51 13 00-0105)* | | |
| **10 51 13 00-0107** | | **16 Gauge Continuous Sloping Hood** *(10 51 13 00-0106)* | | |
| 10 51 13 00-0108 | LF | 12" Deep, 16 Gauge Continuous Slope Top | 33.88 | 4.41 |
| 10 51 13 00-0109 | LF | 15" Deep, 16 Gauge Continuous Slope Top | 28.53 | 4.41 |
| 10 51 13 00-0110 | LF | 18" Deep, 16 Gauge Continuous Slope Top | 39.36 | 4.41 |
| 10 51 13 00-0111 | LF | 21" Deep, 16 Gauge Continuous Slope Top | 43.52 | 4.41 |
| 10 51 13 00-0112 | LF | 24" Deep, 16 Gauge Continuous Slope Top | 45.47 | 4.41 |
| **10 51 13 00-0113** | | **16 Gauge Slope Top Corner Fillers** *(10 51 13 00-0106)* | | |
| 10 51 13 00-0114 | EA | 12" Deep, 16 Gauge Slope Top Corner Fillers | 141.30 | 4.41 |
| 10 51 13 00-0115 | EA | 15" Deep, 16 Gauge Slope Top Corner Fillers | 144.33 | 4.41 |
| 10 51 13 00-0116 | EA | 18" Deep, 16 Gauge Slope Top Corner Fillers | 147.35 | 4.41 |
| 10 51 13 00-0117 | EA | 21" Deep, 16 Gauge Slope Top Corner Fillers | 151.01 | 4.41 |
| 10 51 13 00-0118 | EA | 24" Deep, 16 Gauge Slope Top Corner Fillers | 154.64 | 4.41 |
| **10 51 13 00-0119** | | **20 Gauge Individual Slope Top** *(10 51 13 00-0106)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 13 00-0120 | EA | 12" Wide x 12" Deep 20 Gauge Individual Slope Top | 29.06 | 4.41 |
| 10 51 13 00-0121 | EA | 12" Wide x 15" Deep 20 Gauge Individual Slope Top | 28.86 | 4.41 |
| 10 51 13 00-0122 | EA | 12" Wide x 18" Deep 20 Gauge Individual Slope Top | 32.15 | 4.41 |
| 10 51 13 00-0123 | EA | 15" Wide x 15" Deep 20 Gauge Individual Slope Top | 32.15 | 4.41 |
| 10 51 13 00-0124 | EA | 15" Wide x 18" Deep 20 Gauge Individual Slope Top | 32.94 | 4.41 |
| 10 51 13 00-0125 | EA | 15" Wide x 21" Deep 20 Gauge Individual Slope Top | 36.05 | 4.41 |
| 10 51 13 00-0126 | EA | 18" Wide x 18" Deep 20 Gauge Individual Slope Top | 36.05 | 4.41 |
| 10 51 13 00-0127 | EA | 18" Wide x 21" Deep 20 Gauge Individual Slope Top | 40.15 | 4.41 |
| 10 51 13 00-0128 | EA | 18" Wide x 24" Deep 20 Gauge Individual Slope Top | 45.02 | 4.41 |
| **10 51 13 00-0129** | | **Continuous Slope Top End Closures** *(10 51 13 00-0106)* | | |
| 10 51 13 00-0130 | PR | 12" Deep, Continuous Slope Top End Closures | 31.00 | 4.41 |
| 10 51 13 00-0131 | PR | 15" Deep, Continuous Slope Top End Closures | 26.30 | 4.41 |
| 10 51 13 00-0132 | PR | 18" Deep, Continuous Slope Top End Closures | 34.88 | 4.41 |
| 10 51 13 00-0133 | PR | 21" Deep, Continuous Slope Top End Closures | 36.84 | 4.41 |
| 10 51 13 00-0134 | PR | 24" Deep, Continuous Slope Top End Closures | 38.17 | 4.41 |
| **10 51 13 00-0135** | | **Individual Slope Top End Closures** *(10 51 13 00-0106)* | | |
| 10 51 13 00-0136 | EA | 12" Deep, Individual Slope Top End Closures | 19.91 | 4.41 |
| 10 51 13 00-0137 | EA | 15" Deep, Individual Slope Top End Closures | 20.52 | 4.41 |
| 10 51 13 00-0138 | EA | 18" Deep, Individual Slope Top End Closures | 21.87 | 4.41 |
| 10 51 13 00-0139 | EA | 21" Deep, Individual Slope Top End Closures | 22.81 | 4.41 |
| 10 51 13 00-0140 | EA | 24" Deep, Individual Slope Top End Closures | 32.41 | 4.41 |
| **10 51 13 00-0141** | | **Locker Base** *(10 51 13 00-0105)* | | |
| **10 51 13 00-0142** | | **Closed Front Base** *(10 51 13 00-0141)* | | |
| 10 51 13 00-0143 | EA | 12" Wide, 6" High Closed Front Base | 20.95 | 4.41 |
| 10 51 13 00-0144 | EA | 15" Wide, 6" High Closed Front Base | 21.97 | 4.41 |
| 10 51 13 00-0145 | EA | 18" Wide, 6" High Closed Front Base | 24.09 | 4.41 |
| 10 51 13 00-0146 | EA | 24" Wide, 6" High Closed Front Base | 25.10 | 4.41 |
| **10 51 13 00-0147** | | **Closed End Base** *(10 51 13 00-0141)* | | |
| 10 51 13 00-0148 | EA | 12" Deep, 6" High Closed End Base | 23.77 | 4.41 |
| 10 51 13 00-0149 | EA | 15" Deep, 6" High Closed End Base | 23.95 | 4.41 |
| 10 51 13 00-0150 | EA | 18" Deep, 6" High Closed End Base | 25.32 | 4.41 |
| 10 51 13 00-0151 | EA | 21" Deep, 6" High Closed End Base | 26.67 | 4.41 |
| 10 51 13 00-0152 | EA | 24" Deep, 6" High Closed End Base | 28.51 | 4.41 |
| **10 51 13 00-0153** | | **Recessed Continuous Front "Z" Base** *(10 51 13 00-0141)* | | |
| 10 51 13 00-0154 | LF | 4" High Recessed Continuous Front "Z" Base | 25.07 | 3.31 |
| **10 51 13 00-0155** | | **"Z" Base Ends Or Splice** *(10 51 13 00-0141)* | | |
| 10 51 13 00-0156 | EA | 12" Wide, 4" High Z-Base Ends Or Splice | 24.87 | 4.41 |
| 10 51 13 00-0157 | EA | 15" Wide, 4" High Z-Base Ends Or Splice | 28.86 | 4.41 |
| 10 51 13 00-0158 | EA | 18" Wide, 4" High Z-Base Ends Or Splice | 32.94 | 4.41 |
| 10 51 13 00-0159 | EA | 21" Wide, 4" High Z-Base Ends Or Splice | 37.23 | 4.41 |
| 10 51 13 00-0160 | EA | 24" Wide, 4" High Z-Base Ends Or Splice | 41.50 | 4.41 |
| **10 51 13 00-0161** | | **Locker Front Fillers And End Panels** *(10 51 13 00-0105)* | | |
| **10 51 13 00-0162** | | **Locker Front Fillers** *(10 51 13 00-0161)* | | |
| 10 51 13 00-0163 | EA | 6" Wide x 48" High, 16 Gauge Front Filler | 32.42 | 5.52 |
| 10 51 13 00-0164 | EA | 12" Wide x 48" High, 16 Gauge Front Filler | 52.82 | 5.52 |
| 10 51 13 00-0165 | EA | 6" Wide x 60" High, 16 Gauge Front Filler | 40.80 | 5.52 |
| 10 51 13 00-0166 | EA | 12" Wide x 60" High, 16 Gauge Front Filler | 63.28 | 5.52 |
| 10 51 13 00-0167 | EA | 6" Wide x 66" High, 16 Gauge Front Filler | 44.46 | 5.52 |
| 10 51 13 00-0168 | EA | 12" Wide x 66" High, 16 Gauge Front Filler | 50.02 | 5.52 |
| 10 51 13 00-0169 | EA | 6" Wide x 72" High, 16 Gauge Front Filler | 48.71 | 5.52 |
| 10 51 13 00-0170 | EA | 12" Wide x 72" High, 16 Gauge Front Filler | 69.35 | 5.52 |
| 10 51 13 00-0171 | EA | 6" Wide x 78" High, 16 Gauge Front Filler | 49.89 | 5.52 |
| 10 51 13 00-0172 | EA | 12" Wide x 78" High, 16 Gauge Front Filler | 58.23 | 5.52 |
| **10 51 13 00-0173** | | **Locker End Panels** *(10 51 13 00-0161)* | | |
| 10 51 13 00-0174 | EA | 12" Deep x 48" High, 16 Gauge End Panel | 53.83 | 4.41 |
| 10 51 13 00-0175 | EA | 15" Deep x 48" High, 16 Gauge End Panel | 65.84 | 4.41 |
| 10 51 13 00-0176 | EA | 18" Deep x 48" High, 16 Gauge End Panel | 77.39 | 4.41 |
| 10 51 13 00-0177 | EA | 12" Deep x 60" High, 16 Gauge End Panel | 63.67 | 4.41 |
| 10 51 13 00-0178 | EA | 15" Deep x 60" High, 16 Gauge End Panel | 72.28 | 4.41 |
| 10 51 13 00-0179 | EA | 18" Deep x 60" High, 16 Gauge End Panel | 85.84 | 4.41 |
| 10 51 13 00-0180 | EA | 12" Deep x 72" High, 16 Gauge End Panel | 75.12 | 4.41 |
| 10 51 13 00-0181 | EA | 15" Deep x 72" High, 16 Gauge End Panel | 85.60 | 4.41 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 13 00-0182 | EA | 18" Deep x 72" High, 16 Gauge End Panel | 99.54 | 4.41 |
| 10 51 13 00-0183 | EA | 21" Deep x 72" High, 16 Gauge End Panel | 114.68 | 4.41 |
| **10 51 13 00-0184** | | **Locker Recessed Trim** *(10 51 13 00-0105)* | | |
| 10 51 13 00-0185 | LF | 3" Height, Top Trim For Recessed Lockers | 10.93 | 2.20 |
| 10 51 13 00-0186 | EA | 3" Height, Inside And Outside Top Corner Trim For Recessed Lockers | 30.37 | 4.41 |
| 10 51 13 00-0187 | EA | 60" Height, 3" Wide Side Trim For Recessed Lockers | 46.53 | 4.41 |
| 10 51 13 00-0188 | EA | 66" Height, 3" Wide Side Trim For Recessed Lockers | 48.23 | 4.41 |
| 10 51 13 00-0189 | EA | 72" Height, 3" Wide Side Trim For Recessed Lockers | 49.94 | 4.41 |
| 10 51 13 00-0190 | EA | 78" Height, 3" Wide Side Trim For Recessed Lockers | 51.43 | 4.41 |
| **10 51 13 00-0191** | | **Locker Interior Accessories** *(10 51 13 00-0105)* | | |
| **10 51 13 00-0192** | | **Locker Coat Rods** *(10 51 13 00-0191)* | | |
| 10 51 13 00-0193 | EA | 12" Wide Coat Rod | 16.17 | 4.41 |
| 10 51 13 00-0194 | EA | 15" Wide Coat Rod | 17.75 | 4.41 |
| 10 51 13 00-0195 | EA | 18" Wide Coat Rod | 19.16 | 4.41 |
| 10 51 13 00-0196 | EA | 24" Wide Coat Rod | 20.40 | 4.41 |
| **10 51 13 00-0197** | | **Locker Hat Shelf** *(10 51 13 00-0191)* | | |
| 10 51 13 00-0198 | EA | 12" Wide Hat Shelf | 19.50 | 4.41 |
| 10 51 13 00-0199 | EA | 15" Wide Hat Shelf | 22.93 | 4.41 |
| 10 51 13 00-0200 | EA | 18" Wide Hat Shelf | 24.38 | 4.41 |
| 10 51 13 00-0201 | EA | 24" Wide Hat Shelf | 30.10 | 4.41 |
| **10 51 13 00-0202** | | **Locker ADA Compliant Shelf** *(10 51 13 00-0191)* | | |
| 10 51 13 00-0203 | EA | ADA Compliant Shelf For Single Tier Lockers<br>Note: Includes an ADA label for locker face. | 38.80 | 5.52 |
| **10 51 13 00-0204** | | **Other Interior Locker Accessories** *(10 51 13 00-0191)* | | |
| 10 51 13 00-0205 | EA | 3" x 10" Bent Plate Shoe Rack | 51.56 | 4.41 |
| 10 51 13 00-0206 | EA | 8" x 10" Mirror | 40.88 | 4.41 |
| 10 51 13 00-0207 | EA | Additional Hook | 11.50 | 4.41 |
| **10 51 13 00-0208** | | **Locker Locks** *(10 51 13 00-0105)* | | |
| 10 51 13 00-0209 | EA | Built In Combination Lock | 44.87 | 4.41 |
| **10 51 13 00-0210** | | **Steel Basket Racks Mounted On Concrete Base** *(10 51 13)*<br>Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs. | | |
| 10 51 13 00-0211 | EA | 9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack | 2,109.84 | 82.75 |
| 10 51 13 00-0212 | EA | 12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack | 1,802.66 | 82.75 |
| **10 51 13 00-0213** | | **All-Welded Steel Lockers** *(10 51 13)* | | |
| **10 51 13 00-0214** | | **All-Welded Steel Lockers** *(10 51 13 00-0213)*<br>Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks. | | |
| **10 51 13 00-0215** | | **Single Tier, All-Welded Steel Lockers** *(10 51 13 00-0214)*<br>Note: Includes one hat shelf, two single hooks and one double hook. | | |
| 10 51 13 00-0216 | EA | 12" x 12" x 48" Single Tier, All-Welded Steel Locker | 170.57 | 19.31 |
| | | *For >25 To 50, Deduct* | *-7.15* | |
| | | *For >50 To 100, Deduct* | *-14.71* | |
| | | *For >100, Deduct* | *-22.28* | |
| 10 51 13 00-0217 | EA | 12" x 15" x 48" Single Tier, All-Welded Steel Locker | 179.01 | 19.31 |
| | | *For >25 To 50, Deduct* | *-7.57* | |
| | | *For >50 To 100, Deduct* | *-15.56* | |
| | | *For >100, Deduct* | *-23.54* | |
| 10 51 13 00-0218 | EA | 12" x 18" x 48" Single Tier, All-Welded Steel Locker | 187.13 | 19.31 |
| | | *For >25 To 50, Deduct* | *-7.98* | |
| | | *For >50 To 100, Deduct* | *-16.37* | |
| | | *For >100, Deduct* | *-24.76* | |
| 10 51 13 00-0219 | EA | 12" x 12" x 60" Single Tier, All-Welded Steel Locker | 177.54 | 19.31 |
| | | *For >25 To 50, Deduct* | *-7.50* | |
| | | *For >50 To 100, Deduct* | *-15.41* | |
| | | *For >100, Deduct* | *-23.32* | |
| 10 51 13 00-0220 | EA | 12" x 15" x 60" Single Tier, All-Welded Steel Locker | 185.66 | 19.31 |
| | | *For >25 To 50, Deduct* | *-7.90* | |
| | | *For >50 To 100, Deduct* | *-16.22* | |
| | | *For >100, Deduct* | *-24.54* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 13 00-0221 | EA | 12" x 18" x 60" Single Tier, All-Welded Steel Locker | 193.79 | 19.31 |
| | | *For >25 To 50, Deduct* | *-8.31* | |
| | | *For >50 To 100, Deduct* | *-17.03* | |
| | | *For >100, Deduct* | *-25.76* | |
| 10 51 13 00-0222 | EA | 12" x 12" x 72" Single Tier, All-Welded Steel Locker | 187.81 | 21.24 |
| | | *For >25 To 50, Deduct* | *-7.87* | |
| | | *For >50 To 100, Deduct* | *-16.20* | |
| | | *For >100, Deduct* | *-24.53* | |
| 10 51 13 00-0223 | EA | 12" x 15" x 72" Single Tier, All-Welded Steel Locker | 195.33 | 21.24 |
| | | *For >25 To 50, Deduct* | *-8.25* | |
| | | *For >50 To 100, Deduct* | *-16.95* | |
| | | *For >100, Deduct* | *-25.66* | |
| 10 51 13 00-0224 | EA | 12" x 18" x 72" Single Tier, All-Welded Steel Locker | 203.46 | 21.24 |
| | | *For >25 To 50, Deduct* | *-8.66* | |
| | | *For >50 To 100, Deduct* | *-17.77* | |
| | | *For >100, Deduct* | *-26.88* | |
| 10 51 13 00-0225 | EA | 15" x 15" x 72" Single Tier, All-Welded Steel Locker | 211.06 | 21.24 |
| | | *For >25 To 50, Deduct* | *-9.04* | |
| | | *For >50 To 100, Deduct* | *-18.53* | |
| | | *For >100, Deduct* | *-28.02* | |
| 10 51 13 00-0226 | EA | 15" x 18" x 72" Single Tier, All-Welded Steel Locker | 217.32 | 21.24 |
| | | *For >25 To 50, Deduct* | *-9.35* | |
| | | *For >50 To 100, Deduct* | *-19.15* | |
| | | *For >100, Deduct* | *-28.96* | |
| 10 51 13 00-0227 | EA | 18" x 18" x 72" Single Tier, All-Welded Steel Locker | 225.95 | 21.24 |
| | | *For >25 To 50, Deduct* | *-9.78* | |
| | | *For >50 To 100, Deduct* | *-20.02* | |
| | | *For >100, Deduct* | *-30.25* | |
| 10 51 13 00-0228 | EA | 18" x 21" x 72" Single Tier, All-Welded Steel Locker | 235.67 | 21.24 |
| | | *For >25 To 50, Deduct* | *-10.27* | |
| | | *For >50 To 100, Deduct* | *-20.99* | |
| | | *For >100, Deduct* | *-31.71* | |
| 10 51 13 00-0229 | EA | 24" x 24" x 72" Single Tier, All-Welded Steel Locker | 382.00 | 21.24 |
| | | *For >25 To 50, Deduct* | *-17.58* | |
| | | *For >50 To 100, Deduct* | *-35.62* | |
| | | *For >100, Deduct* | *-53.66* | |

## 10 51 13 00-0230 Two Tier, All-Welded Steel Lockers *(10 51 13 00-0214)*

Note: Includes two single hooks and one double hook per tier.

| | | | | |
|---|---|---|---|---|
| 10 51 13 00-0231 | EA | 12" x 12" x 60" Two Tier, All-Welded Steel Locker | 203.88 | 19.31 |
| | | *For >25 To 50, Deduct* | *-8.82* | |
| | | *For >50 To 100, Deduct* | *-18.04* | |
| | | *For >100, Deduct* | *-27.27* | |
| 10 51 13 00-0232 | EA | 12" x 15" x 60" Two Tier, All-Welded Steel Locker | 207.61 | 19.31 |
| | | *For >25 To 50, Deduct* | *-9.00* | |
| | | *For >50 To 100, Deduct* | *-18.42* | |
| | | *For >100, Deduct* | *-27.83* | |
| 10 51 13 00-0233 | EA | 12" x 18" x 60" Two Tier, All-Welded Steel Locker | 217.62 | 19.31 |
| | | *For >25 To 50, Deduct* | *-9.50* | |
| | | *For >50 To 100, Deduct* | *-19.42* | |
| | | *For >100, Deduct* | *-29.33* | |
| 10 51 13 00-0234 | EA | 12" x 12" x 72" Two Tier, All-Welded Steel Locker | 212.86 | 21.24 |
| | | *For >25 To 50, Deduct* | *-9.13* | |
| | | *For >50 To 100, Deduct* | *-18.71* | |
| | | *For >100, Deduct* | *-28.29* | |
| 10 51 13 00-0235 | EA | 12" x 15" x 72" Two Tier, All-Welded Steel Locker | 226.66 | 21.24 |
| | | *For >25 To 50, Deduct* | *-9.82* | |
| | | *For >50 To 100, Deduct* | *-20.09* | |
| | | *For >100, Deduct* | *-30.36* | |
| 10 51 13 00-0236 | EA | 12" x 18" x 72" Two Tier, All-Welded Steel Locker | 234.18 | 21.24 |
| | | *For >25 To 50, Deduct* | *-10.19* | |
| | | *For >50 To 100, Deduct* | *-20.84* | |
| | | *For >100, Deduct* | *-31.49* | |
| 10 51 13 00-0237 | EA | 15" x 15" x 72" Two Tier, All-Welded Steel Locker | 244.90 | 21.24 |
| | | *For >25 To 50, Deduct* | *-10.73* | |
| | | *For >50 To 100, Deduct* | *-21.91* | |
| | | *For >100, Deduct* | *-33.09* | |
| 10 51 13 00-0238 | EA | 15" x 18" x 72" Two Tier, All-Welded Steel Locker | 249.94 | 21.24 |
| | | *For >25 To 50, Deduct* | *-10.98* | |
| | | *For >50 To 100, Deduct* | *-22.42* | |
| | | *For >100, Deduct* | *-33.85* | |
| 10 51 13 00-0239 | EA | 18" x 18" x 72" Two Tier, All-Welded Steel Locker | 264.48 | 21.24 |
| | | *For >25 To 50, Deduct* | *-11.71* | |
| | | *For >50 To 100, Deduct* | *-23.87* | |
| | | *For >100, Deduct* | *-36.03* | |
| 10 51 13 00-0240 | EA | 18" x 21" x 72" Two Tier, All-Welded Steel Locker | 275.75 | 21.24 |
| | | *For >25 To 50, Deduct* | *-12.27* | |
| | | *For >50 To 100, Deduct* | *-25.00* | |
| | | *For >100, Deduct* | *-37.72* | |

## 10 51 13 00-0241 Three Tier, All-Welded Steel Lockers *(10 51 13 00-0214)*

Note: Includes two single hooks and one double hook per tier.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 13 00-0242 | EA | 12" x 12" x 72" Three Tier, All-Welded Steel Locker | 251.72 | 21.24 |
| | | *For >25 To 50, Deduct* | *-11.07* | |
| | | *For >50 To 100, Deduct* | *-22.59* | |
| | | *For >100, Deduct* | *-34.12* | |
| 10 51 13 00-0243 | EA | 12" x 15" x 72" Three Tier, All-Welded Steel Locker | 257.38 | 21.24 |
| | | *For >25 To 50, Deduct* | *-11.35* | |
| | | *For >50 To 100, Deduct* | *-23.16* | |
| | | *For >100, Deduct* | *-34.97* | |
| 10 51 13 00-0244 | EA | 12" x 18" x 72" Three Tier, All-Welded Steel Locker | 262.99 | 21.24 |
| | | *For >25 To 50, Deduct* | *-11.63* | |
| | | *For >50 To 100, Deduct* | *-23.72* | |
| | | *For >100, Deduct* | *-35.81* | |
| 10 51 13 00-0245 | EA | 15" x 15" x 72" Three Tier, All-Welded Steel Locker | 276.28 | 21.24 |
| | | *For >25 To 50, Deduct* | *-12.30* | |
| | | *For >50 To 100, Deduct* | *-25.05* | |
| | | *For >100, Deduct* | *-37.80* | |
| 10 51 13 00-0246 | EA | 15" x 18" x 72" Three Tier, All-Welded Steel Locker | 278.74 | 21.24 |
| | | *For >25 To 50, Deduct* | *-12.42* | |
| | | *For >50 To 100, Deduct* | *-25.30* | |
| | | *For >100, Deduct* | *-38.17* | |

### 10 51 13 00-0247 Four Tier, All-Welded Steel Lockers *(10 51 13 00-0214)*

| | | | | |
|---|---|---|---|---|
| 10 51 13 00-0248 | EA | 12" x 12" x 72" Four Tier, All-Welded Steel Locker | 238.32 | 21.24 |
| | | *For >25 To 50, Deduct* | *-10.40* | |
| | | *For >50 To 100, Deduct* | *-21.25* | |
| | | *For >100, Deduct* | *-32.11* | |
| 10 51 13 00-0249 | EA | 12" x 15" x 72" Four Tier, All-Welded Steel Locker | 243.65 | 21.24 |
| | | *For >25 To 50, Deduct* | *-10.67* | |
| | | *For >50 To 100, Deduct* | *-21.79* | |
| | | *For >100, Deduct* | *-32.91* | |
| 10 51 13 00-0250 | EA | 12" x 18" x 72" Four Tier, All-Welded Steel Locker | 248.96 | 21.24 |
| | | *For >25 To 50, Deduct* | *-10.93* | |
| | | *For >50 To 100, Deduct* | *-22.32* | |
| | | *For >100, Deduct* | *-33.70* | |
| 10 51 13 00-0251 | EA | 15" x 15" x 72" Four Tier, All-Welded Steel Locker | 261.46 | 21.24 |
| | | *For >25 To 50, Deduct* | *-11.56* | |
| | | *For >50 To 100, Deduct* | *-23.57* | |
| | | *For >100, Deduct* | *-35.58* | |
| 10 51 13 00-0252 | EA | 15" x 18" x 72" Four Tier, All-Welded Steel Locker | 263.74 | 21.24 |
| | | *For >25 To 50, Deduct* | *-11.67* | |
| | | *For >50 To 100, Deduct* | *-23.80* | |
| | | *For >100, Deduct* | *-35.92* | |

### 10 51 13 00-0253 Six Tier, All-Welded Steel Lockers *(10 51 13 00-0214)*

| | | | | |
|---|---|---|---|---|
| 10 51 13 00-0254 | EA | 12" x 12" x 72" Six Tier, All-Welded Steel Locker | 246.62 | 21.24 |
| | | *For >25 To 50, Deduct* | *-10.81* | |
| | | *For >50 To 100, Deduct* | *-22.08* | |
| | | *For >100, Deduct* | *-33.35* | |
| 10 51 13 00-0255 | EA | 12" x 15" x 72" Six Tier, All-Welded Steel Locker | 254.41 | 21.24 |
| | | *For >25 To 50, Deduct* | *-11.20* | |
| | | *For >50 To 100, Deduct* | *-22.86* | |
| | | *For >100, Deduct* | *-34.52* | |
| 10 51 13 00-0256 | EA | 12" x 18" x 72" Six Tier, All-Welded Steel Locker | 260.14 | 21.24 |
| | | *For >25 To 50, Deduct* | *-11.49* | |
| | | *For >50 To 100, Deduct* | *-23.44* | |
| | | *For >100, Deduct* | *-35.38* | |

### 10 51 13 00-0257 All Welded Locker Accessories *(10 51 13 00-0213)*

| | | | | |
|---|---|---|---|---|
| 10 51 13 00-0258 | EA | ADA Requirements For All Welded Lockers | 131.84 | |
| 10 51 13 00-0259 | EA | Solid Boxed End Panel For 12" Deep All Welded Lockers | 212.25 | 4.41 |
| 10 51 13 00-0260 | EA | Solid Boxed End Panel For 15" Deep All Welded Lockers | 246.15 | 4.41 |
| 10 51 13 00-0261 | EA | Recessed Trim For All Welded Lockers | 149.46 | 4.41 |
| 10 51 13 00-0262 | EA | Built In Combination Lock For All Welded Lockers | 44.87 | 4.41 |
| 10 51 13 00-0263 | EA | Pad Lock For All Welded Lockers | 40.22 | 4.41 |

## 10 51 26 Plastic Lockers *(10 51)*

### 10 51 26 00-0001 Solid Plastic Lockers *(10 51 26)*

Note: Price per frame. High-density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.

### 10 51 26 00-0002 Single Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

| | | | | |
|---|---|---|---|---|
| 10 51 26 00-0003 | EA | 12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 695.01 | 34.20 |
| | | *For >50 To 100, Deduct* | *-62.66* | |
| | | *For >100, Deduct* | *-96.04* | |
| 10 51 26 00-0004 | EA | 12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 707.59 | 34.20 |
| | | *For >50 To 100, Deduct* | *-63.92* | |
| | | *For >100, Deduct* | *-97.93* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 26 00-0005 | EA | 12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 720.16 | 34.20 |
| | | *For >50 To 100, Deduct* | *-65.18* | |
| | | *For >100, Deduct* | *-99.81* | |
| 10 51 26 00-0006 | EA | 15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 739.01 | 34.20 |
| | | *For >50 To 100, Deduct* | *-67.06* | |
| | | *For >100, Deduct* | *-102.64* | |
| 10 51 26 00-0007 | EA | 15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 719.07 | 34.20 |
| | | *For >50 To 100, Deduct* | *-65.07* | |
| | | *For >100, Deduct* | *-99.65* | |
| 10 51 26 00-0008 | EA | 18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 724.36 | 34.20 |
| | | *For >50 To 100, Deduct* | *-65.60* | |
| | | *For >100, Deduct* | *-100.44* | |
| 10 51 26 00-0009 | EA | 18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 715.06 | 34.20 |
| | | *For >50 To 100, Deduct* | *-64.67* | |
| | | *For >100, Deduct* | *-99.05* | |
| 10 51 26 00-0010 | EA | 18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 766.97 | 34.20 |
| | | *For >50 To 100, Deduct* | *-69.86* | |
| | | *For >100, Deduct* | *-106.84* | |
| 10 51 26 00-0011 | EA | 12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 755.00 | 34.20 |
| | | *For >50 To 100, Deduct* | *-68.66* | |
| | | *For >100, Deduct* | *-105.04* | |
| 10 51 26 00-0012 | EA | 12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 768.96 | 34.20 |
| | | *For >50 To 100, Deduct* | *-70.06* | |
| | | *For >100, Deduct* | *-107.13* | |
| 10 51 26 00-0013 | EA | 12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 782.93 | 34.20 |
| | | *For >50 To 100, Deduct* | *-71.45* | |
| | | *For >100, Deduct* | *-109.23* | |
| 10 51 26 00-0014 | EA | 15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 814.87 | 34.20 |
| | | *For >50 To 100, Deduct* | *-74.65* | |
| | | *For >100, Deduct* | *-114.02* | |
| 10 51 26 00-0015 | EA | 15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 858.79 | 34.20 |
| | | *For >50 To 100, Deduct* | *-79.04* | |
| | | *For >100, Deduct* | *-120.61* | |
| 10 51 26 00-0016 | EA | 18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 818.85 | 34.20 |
| | | *For >50 To 100, Deduct* | *-75.04* | |
| | | *For >100, Deduct* | *-114.62* | |
| 10 51 26 00-0017 | EA | 18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 890.70 | 34.20 |
| | | *For >50 To 100, Deduct* | *-82.23* | |
| | | *For >100, Deduct* | *-125.40* | |
| 10 51 26 00-0018 | EA | 12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 760.56 | 34.20 |
| | | *For >50 To 100, Deduct* | *-69.22* | |
| | | *For >100, Deduct* | *-105.87* | |
| 10 51 26 00-0019 | EA | 12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 801.50 | 34.20 |
| | | *For >50 To 100, Deduct* | *-73.31* | |
| | | *For >100, Deduct* | *-112.02* | |
| 10 51 26 00-0020 | EA | 12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 842.47 | 34.20 |
| | | *For >50 To 100, Deduct* | *-77.41* | |
| | | *For >100, Deduct* | *-118.16* | |
| 10 51 26 00-0021 | EA | 15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 812.47 | 34.20 |
| | | *For >50 To 100, Deduct* | *-74.41* | |
| | | *For >100, Deduct* | *-113.66* | |
| 10 51 26 00-0022 | EA | 15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 855.87 | 34.20 |
| | | *For >50 To 100, Deduct* | *-78.75* | |
| | | *For >100, Deduct* | *-120.17* | |
| 10 51 26 00-0023 | EA | 15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 899.29 | 34.20 |
| | | *For >50 To 100, Deduct* | *-83.09* | |
| | | *For >100, Deduct* | *-126.68* | |
| 10 51 26 00-0024 | EA | 18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 864.38 | 34.20 |
| | | *For >50 To 100, Deduct* | *-79.60* | |
| | | *For >100, Deduct* | *-121.45* | |
| 10 51 26 00-0025 | EA | 18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 910.26 | 34.20 |
| | | *For >50 To 100, Deduct* | *-84.19* | |
| | | *For >100, Deduct* | *-128.33* | |
| 10 51 26 00-0026 | EA | 12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 871.51 | 35.31 |
| | | *For >50 To 100, Deduct* | *-80.09* | |
| | | *For >100, Deduct* | *-122.25* | |
| 10 51 26 00-0027 | EA | 12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 917.42 | 35.31 |
| | | *For >50 To 100, Deduct* | *-84.68* | |
| | | *For >100, Deduct* | *-129.14* | |
| 10 51 26 00-0028 | EA | 12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 963.27 | 35.31 |
| | | *For >50 To 100, Deduct* | *-89.27* | |
| | | *For >100, Deduct* | *-136.02* | |
| 10 51 26 00-0029 | EA | 15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 931.09 | 35.31 |
| | | *For >50 To 100, Deduct* | *-86.05* | |
| | | *For >100, Deduct* | *-131.19* | |
| 10 51 26 00-0030 | EA | 15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 979.50 | 35.31 |
| | | *For >50 To 100, Deduct* | *-90.89* | |
| | | *For >100, Deduct* | *-138.45* | |
| 10 51 26 00-0031 | EA | 15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 1,027.87 | 35.31 |
| | | *For >50 To 100, Deduct* | *-95.73* | |
| | | *For >100, Deduct* | *-145.71* | |
| 10 51 26 00-0032 | EA | 18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 978.58 | 35.31 |
| | | *For >50 To 100, Deduct* | *-90.80* | |
| | | *For >100, Deduct* | *-138.31* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 26 00-0033 | EA | 18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 1,041.53 | 35.31 |
| | | *For >50 To 100, Deduct* | *-97.09* | |
| | | *For >100, Deduct* | *-147.76* | |
| 10 51 26 00-0034 | EA | 18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®) | 1,092.38 | 35.31 |
| | | *For >50 To 100, Deduct* | *-102.18* | |
| | | *For >100, Deduct* | *-155.38* | |

## 10 51 26 00-0035 Double Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

| | | | | |
|---|---|---|---|---|
| 10 51 26 00-0036 | EA | 12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 781.15 | 35.31 |
| | | *For >50 To 100, Deduct* | *-71.05* | |
| | | *For >100, Deduct* | *-108.70* | |
| 10 51 26 00-0037 | EA | 12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 793.12 | 35.31 |
| | | *For >50 To 100, Deduct* | *-72.25* | |
| | | *For >100, Deduct* | *-110.49* | |
| 10 51 26 00-0038 | EA | 12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 811.07 | 35.31 |
| | | *For >50 To 100, Deduct* | *-74.05* | |
| | | *For >100, Deduct* | *-113.19* | |
| 10 51 26 00-0039 | EA | 15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 805.10 | 35.31 |
| | | *For >50 To 100, Deduct* | *-73.45* | |
| | | *For >100, Deduct* | *-112.29* | |
| 10 51 26 00-0040 | EA | 15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 837.04 | 35.31 |
| | | *For >50 To 100, Deduct* | *-76.64* | |
| | | *For >100, Deduct* | *-117.08* | |
| 10 51 26 00-0041 | EA | 15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 912.87 | 35.31 |
| | | *For >50 To 100, Deduct* | *-84.23* | |
| | | *For >100, Deduct* | *-128.46* | |
| 10 51 26 00-0042 | EA | 18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 813.09 | 35.31 |
| | | *For >50 To 100, Deduct* | *-74.25* | |
| | | *For >100, Deduct* | *-113.49* | |
| 10 51 26 00-0043 | EA | 18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 851.71 | 35.31 |
| | | *For >50 To 100, Deduct* | *-78.11* | |
| | | *For >100, Deduct* | *-119.28* | |
| 10 51 26 00-0044 | EA | 18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 920.86 | 35.31 |
| | | *For >50 To 100, Deduct* | *-85.03* | |
| | | *For >100, Deduct* | *-129.66* | |
| 10 51 26 00-0045 | EA | 12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 808.61 | 35.31 |
| | | *For >50 To 100, Deduct* | *-73.80* | |
| | | *For >100, Deduct* | *-112.82* | |
| 10 51 26 00-0046 | EA | 12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 871.13 | 35.31 |
| | | *For >50 To 100, Deduct* | *-80.05* | |
| | | *For >100, Deduct* | *-122.20* | |
| 10 51 26 00-0047 | EA | 12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 889.00 | 35.31 |
| | | *For >50 To 100, Deduct* | *-81.84* | |
| | | *For >100, Deduct* | *-124.88* | |
| 10 51 26 00-0048 | EA | 15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 881.58 | 35.31 |
| | | *For >50 To 100, Deduct* | *-81.10* | |
| | | *For >100, Deduct* | *-123.76* | |
| 10 51 26 00-0049 | EA | 15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 923.01 | 35.31 |
| | | *For >50 To 100, Deduct* | *-85.24* | |
| | | *For >100, Deduct* | *-129.98* | |
| 10 51 26 00-0050 | EA | 18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 931.11 | 35.31 |
| | | *For >50 To 100, Deduct* | *-86.05* | |
| | | *For >100, Deduct* | *-131.19* | |
| 10 51 26 00-0051 | EA | 18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 974.92 | 35.31 |
| | | *For >50 To 100, Deduct* | *-90.43* | |
| | | *For >100, Deduct* | *-137.76* | |
| 10 51 26 00-0052 | EA | 18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 1,018.73 | 35.31 |
| | | *For >50 To 100, Deduct* | *-94.81* | |
| | | *For >100, Deduct* | *-144.34* | |
| 10 51 26 00-0053 | EA | 12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 938.04 | 36.41 |
| | | *For >50 To 100, Deduct* | *-86.52* | |
| | | *For >100, Deduct* | *-131.97* | |
| 10 51 26 00-0054 | EA | 12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 981.85 | 36.41 |
| | | *For >50 To 100, Deduct* | *-90.90* | |
| | | *For >100, Deduct* | *-138.54* | |
| 10 51 26 00-0055 | EA | 12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 1,004.68 | 36.41 |
| | | *For >50 To 100, Deduct* | *-93.19* | |
| | | *For >100, Deduct* | *-141.96* | |
| 10 51 26 00-0056 | EA | 15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 994.92 | 36.41 |
| | | *For >50 To 100, Deduct* | *-92.21* | |
| | | *For >100, Deduct* | *-140.50* | |
| 10 51 26 00-0057 | EA | 15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 1,041.12 | 36.41 |
| | | *For >50 To 100, Deduct* | *-96.83* | |
| | | *For >100, Deduct* | *-147.43* | |
| 10 51 26 00-0058 | EA | 15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 1,087.30 | 36.41 |
| | | *For >50 To 100, Deduct* | *-101.45* | |
| | | *For >100, Deduct* | *-154.36* | |
| 10 51 26 00-0059 | EA | 18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 1,003.18 | 36.41 |
| | | *For >50 To 100, Deduct* | *-93.04* | |
| | | *For >100, Deduct* | *-141.74* | |
| 10 51 26 00-0060 | EA | 18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 1,100.34 | 36.41 |
| | | *For >50 To 100, Deduct* | *-102.75* | |
| | | *For >100, Deduct* | *-156.31* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 26 00-0061 | EA | 18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) | 1,148.87 | 36.41 |
| | | *For >50 To 100, Deduct* | *-107.61* | |
| | | *For >100, Deduct* | *-163.59* | |
| 10 51 26 00-0062 | | **Triple Tier Solid Plastic Lockers** *(10 51 26 00-0001)* | | |
| | | Note: Includes one double hook per tier. | | |
| 10 51 26 00-0063 | EA | 12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 768.38 | 36.41 |
| | | *For >50 To 100, Deduct* | *-69.56* | |
| | | *For >100, Deduct* | *-106.52* | |
| 10 51 26 00-0064 | EA | 15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 801.25 | 36.41 |
| | | *For >50 To 100, Deduct* | *-72.84* | |
| | | *For >100, Deduct* | *-111.45* | |
| 10 51 26 00-0065 | EA | 15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 831.39 | 36.41 |
| | | *For >50 To 100, Deduct* | *-75.86* | |
| | | *For >100, Deduct* | *-115.97* | |
| 10 51 26 00-0066 | EA | 12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 837.23 | 36.41 |
| | | *For >50 To 100, Deduct* | *-76.44* | |
| | | *For >100, Deduct* | *-116.85* | |
| 10 51 26 00-0067 | EA | 12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 907.47 | 36.41 |
| | | *For >50 To 100, Deduct* | *-83.47* | |
| | | *For >100, Deduct* | *-127.38* | |
| 10 51 26 00-0068 | EA | 12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 907.79 | 36.41 |
| | | *For >50 To 100, Deduct* | *-83.50* | |
| | | *For >100, Deduct* | *-127.43* | |
| 10 51 26 00-0069 | EA | 15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 946.12 | 36.41 |
| | | *For >50 To 100, Deduct* | *-87.33* | |
| | | *For >100, Deduct* | *-133.18* | |
| 10 51 26 00-0070 | EA | 15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 984.60 | 36.41 |
| | | *For >50 To 100, Deduct* | *-91.18* | |
| | | *For >100, Deduct* | *-138.95* | |
| 10 51 26 00-0071 | EA | 15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 1,023.07 | 36.41 |
| | | *For >50 To 100, Deduct* | *-95.03* | |
| | | *For >100, Deduct* | *-144.72* | |
| 10 51 26 00-0072 | EA | 18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 992.13 | 36.41 |
| | | *For >50 To 100, Deduct* | *-91.93* | |
| | | *For >100, Deduct* | *-140.08* | |
| 10 51 26 00-0073 | EA | 18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 1,032.80 | 36.41 |
| | | *For >50 To 100, Deduct* | *-96.00* | |
| | | *For >100, Deduct* | *-146.18* | |
| 10 51 26 00-0074 | EA | 18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 1,073.47 | 36.41 |
| | | *For >50 To 100, Deduct* | *-100.07* | |
| | | *For >100, Deduct* | *-152.28* | |
| 10 51 26 00-0075 | EA | 12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 998.71 | 37.52 |
| | | *For >50 To 100, Deduct* | *-92.37* | |
| | | *For >100, Deduct* | *-140.80* | |
| 10 51 26 00-0076 | EA | 12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 1,039.40 | 37.52 |
| | | *For >50 To 100, Deduct* | *-96.44* | |
| | | *For >100, Deduct* | *-146.91* | |
| 10 51 26 00-0077 | EA | 12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 1,067.96 | 37.52 |
| | | *For >50 To 100, Deduct* | *-99.29* | |
| | | *For >100, Deduct* | *-151.19* | |
| 10 51 26 00-0078 | EA | 15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 1,051.52 | 37.52 |
| | | *For >50 To 100, Deduct* | *-97.65* | |
| | | *For >100, Deduct* | *-148.72* | |
| 10 51 26 00-0079 | EA | 15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 1,064.42 | 37.52 |
| | | *For >50 To 100, Deduct* | *-98.94* | |
| | | *For >100, Deduct* | *-150.66* | |
| 10 51 26 00-0080 | EA | 15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 1,110.90 | 37.52 |
| | | *For >50 To 100, Deduct* | *-103.59* | |
| | | *For >100, Deduct* | *-157.63* | |
| 10 51 26 00-0081 | EA | 18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 1,033.05 | 37.52 |
| | | *For >50 To 100, Deduct* | *-95.80* | |
| | | *For >100, Deduct* | *-145.95* | |
| 10 51 26 00-0082 | EA | 18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 1,127.56 | 37.52 |
| | | *For >50 To 100, Deduct* | *-105.25* | |
| | | *For >100, Deduct* | *-160.13* | |
| 10 51 26 00-0083 | EA | 18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) | 1,194.47 | 37.52 |
| | | *For >50 To 100, Deduct* | *-111.94* | |
| | | *For >100, Deduct* | *-170.17* | |
| 10 51 26 00-0084 | | **Four Tier Solid Plastic Lockers** *(10 51 26 00-0001)* | | |
| 10 51 26 00-0085 | EA | 12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 895.33 | 37.52 |
| | | *For >50 To 100, Deduct* | *-82.03* | |
| | | *For >100, Deduct* | *-125.30* | |
| 10 51 26 00-0086 | EA | 12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 922.01 | 37.52 |
| | | *For >50 To 100, Deduct* | *-84.70* | |
| | | *For >100, Deduct* | *-129.30* | |
| 10 51 26 00-0087 | EA | 12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 971.19 | 37.52 |
| | | *For >50 To 100, Deduct* | *-89.62* | |
| | | *For >100, Deduct* | *-136.67* | |
| 10 51 26 00-0088 | EA | 15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 965.18 | 37.52 |
| | | *For >50 To 100, Deduct* | *-89.02* | |
| | | *For >100, Deduct* | *-135.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 26 00-0089 | EA | 15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,028.90 | 37.52 |
| | | *For >50 To 100, Deduct* | *-95.39* | |
| | | *For >100, Deduct* | *-145.33* | |
| 10 51 26 00-0090 | EA | 15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,049.01 | 37.52 |
| | | *For >50 To 100, Deduct* | *-97.40* | |
| | | *For >100, Deduct* | *-148.35* | |
| 10 51 26 00-0091 | EA | 18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,039.02 | 37.52 |
| | | *For >50 To 100, Deduct* | *-96.40* | |
| | | *For >100, Deduct* | *-146.85* | |
| 10 51 26 00-0092 | EA | 18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,072.96 | 37.52 |
| | | *For >50 To 100, Deduct* | *-99.79* | |
| | | *For >100, Deduct* | *-151.94* | |
| 10 51 26 00-0093 | EA | 18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,170.77 | 37.52 |
| | | *For >50 To 100, Deduct* | *-109.57* | |
| | | *For >100, Deduct* | *-166.61* | |
| 10 51 26 00-0094 | EA | 12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,033.16 | 38.61 |
| | | *For >50 To 100, Deduct* | *-95.59* | |
| | | *For >100, Deduct* | *-145.71* | |
| 10 51 26 00-0095 | EA | 12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,080.46 | 38.61 |
| | | *For >50 To 100, Deduct* | *-100.32* | |
| | | *For >100, Deduct* | *-152.80* | |
| 10 51 26 00-0096 | EA | 12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,086.62 | 38.61 |
| | | *For >50 To 100, Deduct* | *-100.94* | |
| | | *For >100, Deduct* | *-153.72* | |
| 10 51 26 00-0097 | EA | 15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,146.22 | 38.61 |
| | | *For >50 To 100, Deduct* | *-106.90* | |
| | | *For >100, Deduct* | *-162.66* | |
| 10 51 26 00-0098 | EA | 15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,091.07 | 38.61 |
| | | *For >50 To 100, Deduct* | *-101.38* | |
| | | *For >100, Deduct* | *-154.39* | |
| 10 51 26 00-0099 | EA | 15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,141.04 | 38.61 |
| | | *For >50 To 100, Deduct* | *-106.38* | |
| | | *For >100, Deduct* | *-161.89* | |
| 10 51 26 00-0100 | EA | 18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,089.16 | 38.61 |
| | | *For >50 To 100, Deduct* | *-101.19* | |
| | | *For >100, Deduct* | *-154.11* | |
| 10 51 26 00-0101 | EA | 18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,149.03 | 38.61 |
| | | *For >50 To 100, Deduct* | *-107.18* | |
| | | *For >100, Deduct* | *-163.09* | |
| 10 51 26 00-0102 | EA | 18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) | 1,238.74 | 38.61 |
| | | *For >50 To 100, Deduct* | *-116.15* | |
| | | *For >100, Deduct* | *-176.54* | |

### 10 51 26 00-0103 Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*

| | | | | |
|---|---|---|---|---|
| 10 51 26 00-0104 | EA | 12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 975.15 | 38.07 |
| | | *For >50 To 100, Deduct* | *-89.90* | |
| | | *For >100, Deduct* | *-137.14* | |
| 10 51 26 00-0105 | EA | 12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,008.18 | 38.07 |
| | | *For >50 To 100, Deduct* | *-93.21* | |
| | | *For >100, Deduct* | *-142.09* | |
| 10 51 26 00-0106 | EA | 12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,041.21 | 38.07 |
| | | *For >50 To 100, Deduct* | *-96.51* | |
| | | *For >100, Deduct* | *-147.05* | |
| 10 51 26 00-0107 | EA | 15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,020.18 | 38.07 |
| | | *For >50 To 100, Deduct* | *-94.41* | |
| | | *For >100, Deduct* | *-143.89* | |
| 10 51 26 00-0108 | EA | 15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,079.35 | 38.07 |
| | | *For >50 To 100, Deduct* | *-100.32* | |
| | | *For >100, Deduct* | *-152.77* | |
| 10 51 26 00-0109 | EA | 15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,107.99 | 38.07 |
| | | *For >50 To 100, Deduct* | *-103.19* | |
| | | *For >100, Deduct* | *-157.06* | |
| 10 51 26 00-0110 | EA | 18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,098.00 | 38.07 |
| | | *For >50 To 100, Deduct* | *-102.19* | |
| | | *For >100, Deduct* | *-155.56* | |
| 10 51 26 00-0111 | EA | 18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,129.95 | 38.07 |
| | | *For >50 To 100, Deduct* | *-105.38* | |
| | | *For >100, Deduct* | *-160.36* | |
| 10 51 26 00-0112 | EA | 18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,233.73 | 38.07 |
| | | *For >50 To 100, Deduct* | *-115.76* | |
| | | *For >100, Deduct* | *-175.92* | |
| 10 51 26 00-0113 | EA | 12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,065.07 | 39.17 |
| | | *For >50 To 100, Deduct* | *-98.67* | |
| | | *For >100, Deduct* | *-150.36* | |
| 10 51 26 00-0114 | EA | 12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,102.11 | 39.17 |
| | | *For >50 To 100, Deduct* | *-102.38* | |
| | | *For >100, Deduct* | *-155.92* | |
| 10 51 26 00-0115 | EA | 12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,139.13 | 39.17 |
| | | *For >50 To 100, Deduct* | *-106.08* | |
| | | *For >100, Deduct* | *-161.47* | |
| 10 51 26 00-0116 | EA | 15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,126.17 | 39.17 |
| | | *For >50 To 100, Deduct* | *-104.78* | |
| | | *For >100, Deduct* | *-159.53* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 51 26 00-0117 | EA | 15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,152.22 | 39.17 |
| | | *For >50 To 100, Deduct* | *-107.39* | |
| | | *For >100, Deduct* | *-163.43* | |
| 10 51 26 00-0118 | EA | 15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,191.23 | 39.17 |
| | | *For >50 To 100, Deduct* | *-111.29* | |
| | | *For >100, Deduct* | *-169.28* | |
| 10 51 26 00-0119 | EA | 18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,161.25 | 39.17 |
| | | *For >50 To 100, Deduct* | *-108.29* | |
| | | *For >100, Deduct* | *-164.79* | |
| 10 51 26 00-0120 | EA | 18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,205.98 | 39.17 |
| | | *For >50 To 100, Deduct* | *-112.77* | |
| | | *For >100, Deduct* | *-171.50* | |
| 10 51 26 00-0121 | EA | 18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) | 1,257.89 | 39.17 |
| | | *For >50 To 100, Deduct* | *-117.96* | |
| | | *For >100, Deduct* | *-179.28* | |
| **10 51 26 00-0122** | | **Six Tier Solid Plastic Lockers** *(10 51 26 00-0001)* | | |
| 10 51 26 00-0123 | EA | 15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®) | 1,127.21 | 38.61 |
| | | *For >50 To 100, Deduct* | *-105.00* | |
| | | *For >100, Deduct* | *-159.81* | |
| 10 51 26 00-0124 | EA | 12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) | 1,105.27 | 39.72 |
| | | *For >50 To 100, Deduct* | *-102.58* | |
| | | *For >100, Deduct* | *-156.26* | |
| 10 51 26 00-0125 | EA | 12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) | 1,142.26 | 39.72 |
| | | *For >50 To 100, Deduct* | *-106.28* | |
| | | *For >100, Deduct* | *-161.81* | |
| 10 51 26 00-0126 | EA | 12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) | 1,166.94 | 39.72 |
| | | *For >50 To 100, Deduct* | *-108.75* | |
| | | *For >100, Deduct* | *-165.51* | |
| 10 51 26 00-0127 | EA | 15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) | 1,216.26 | 39.72 |
| | | *For >50 To 100, Deduct* | *-113.68* | |
| | | *For >100, Deduct* | *-172.91* | |
| 10 51 26 00-0128 | EA | 15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) | 1,230.66 | 39.72 |
| | | *For >50 To 100, Deduct* | *-115.12* | |
| | | *For >100, Deduct* | *-175.07* | |
| 10 51 26 00-0129 | EA | 15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) | 1,240.94 | 39.72 |
| | | *For >50 To 100, Deduct* | *-116.15* | |
| | | *For >100, Deduct* | *-176.61* | |
| 10 51 26 00-0130 | EA | 18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) | 1,245.04 | 39.72 |
| | | *For >50 To 100, Deduct* | *-116.56* | |
| | | *For >100, Deduct* | *-177.22* | |
| 10 51 26 00-0131 | EA | 18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) | 1,290.26 | 39.72 |
| | | *For >50 To 100, Deduct* | *-121.08* | |
| | | *For >100, Deduct* | *-184.01* | |
| 10 51 26 00-0132 | EA | 18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) | 1,349.89 | 39.72 |
| | | *For >50 To 100, Deduct* | *-127.05* | |
| | | *For >100, Deduct* | *-192.95* | |
| **10 51 26 00-0133** | | **Solid Plastic Locker Accessories** *(10 51 26 00-0001)* | | |
| **10 51 26 00-0134** | | **Slope Tops For Solid Plastic Lockers** *(10 51 26 00-0133)* | | |
| | | Note: Price per frame. | | |
| 10 51 26 00-0135 | EA | Slope Top For Solid Plastic Lockers (Tufftec Lockers®) | 51.55 | |
| **10 51 26 00-0136** | | **Recessed Bases For Solid Plastic Lockers** *(10 51 26 00-0133)* | | |
| | | Note: Price per frame. | | |
| 10 51 26 00-0137 | EA | Recessed Base For Solid Plastic Lockers (Tufftec Lockers®) | 56.86 | |
| **10 51 26 00-0138** | | **End Panels For Solid Plastic Lockers** *(10 51 26 00-0133)* | | |
| | | Note: Price per frame. | | |
| 10 51 26 00-0139 | EA | End Panel For Solid Plastic Lockers (Tufftec Lockers®) | 134.28 | |
| **10 51 26 00-0140** | | **Venting Options For Solid Plastic Locker Doors** *(10 51 26 00-0133)* | | |
| | | Note: Price per frame. | | |
| 10 51 26 00-0141 | EA | Horizontal Venting Option For Solid Plastic Locker Doors | 53.38 | |
| **10 51 26 00-0142** | | **Filler Panels For Solid Plastic Lockers** *(10 51 26 00-0133)* | | |
| 10 51 26 00-0143 | EA | Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®) | 134.34 | |
| | | Note: Full locker height. Width and height cut to size in the field. | | |
| **10 51 26 00-0144** | | **Locker Accessories For Solid Plastic Lockers** *(10 51 26 00-0133)* | | |
| 10 51 26 00-0145 | EA | Built In Hasp For Solid Plastic Lockers | 13.34 | |
| | | Note: For removable padlocks. Excludes padlock. | | |
| 10 51 26 00-0146 | EA | Built In Combination Lock For Solid Plastic Lockers | 40.04 | |
| 10 51 26 00-0147 | EA | Built In Key Lock For Solid Plastic Lockers | 53.38 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **10 51 53** | | **Locker Room Benches** *(10 51)* | | |
| 10 51 53 00-0001 | LF | 9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals | 115.11 | 5.52 |
| 10 51 53 00-0002 | LF | 9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals | 91.52 | 5.52 |
| 10 51 53 00-0003 | LF | 9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals | 140.73 | 5.52 |
| 10 51 53 00-0004 | LF | 9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals | 134.41 | 5.52 |
| 10 51 53 00-0005 | LF | 9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals | 104.03 | 5.52 |
| **10 55** | | **Postal Specialties** *(10 50)* | | |
| **10 55 23** | | **Mail Boxes** *(10 55)* | | |
| **10 55 23 23** | | **Residential Mail Boxes** *(10 55 23)* | | |
| 10 55 23 23-0001 | | Residential Mail Boxes *(10 55 23 23)* | | |
| 10 55 23 23-0002 | EA | 13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate | 122.81 | 12.41 |
| | | *For Stainless Steel Sleeve, Add* | *28.49* | |
| 10 55 23 23-0003 | EA | 13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate | 166.94 | 12.41 |
| | | *For Stainless Steel Sleeve, Add* | *28.49* | |
| 10 55 23 23-0004 | EA | 8" Wide x 16.5" High x 4.25" Deep, Aluminum Or Galvanized Steel Wall Mounted Mailbox | 92.52 | 11.04 |
| 10 55 23 23-0005 | EA | 20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post | 136.31 | 13.79 |
| **10 55 23 26** | | **Commercial Mail Boxes** *(10 55 23)* | | |
| 10 55 23 26-0001 | | Commercial Letter Boxes *(10 55 23 26)* | | |
| | | Note: Includes locks and keys unless provided by the United States Postal Service. | | |
| 10 55 23 26-0002 | EA | 15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU) | 415.81 | 16.55 |
| 10 55 23 26-0003 | EA | 15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP) | 481.42 | 16.55 |
| 10 55 23 26-0004 | | Commercial Horizontal Mail Boxes *(10 55 23 26)* | | |
| | | Note: Includes locks and keys unless provided by the United States Postal Service. | | |
| 10 55 23 26-0005 | BOX | 5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box | 81.00 | 16.55 |
| 10 55 23 26-0006 | BOX | 10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box | 174.36 | 22.06 |
| 10 55 23 26-0007 | BOX | 6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box | 105.35 | 13.79 |
| 10 55 23 26-0008 | BOX | 12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box | 163.59 | 22.06 |
| 10 55 23 26-0009 | | Commercial Cluster Mail Boxes *(10 55 23 26)* | | |
| | | Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation. | | |
| 10 55 23 26-0010 | EA | 13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5) | 2,149.26 | 33.10 |
| | | Note: Any door combination. | | |
| 10 55 23 26-0011 | EA | 26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8) | 2,545.30 | 44.13 |
| | | Note: Any door combination. | | |
| 10 55 23 26-0012 | EA | 30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8) | 3,393.70 | 44.13 |
| 10 55 23 26-0013 | EA | 30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12) | 3,503.05 | 44.13 |
| 10 55 23 26-0014 | EA | 30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16) | 3,667.07 | 44.13 |
| 10 55 23 26-0015 | | Commercial 4C Mail Boxes *(10 55 23 26)* | | |
| | | Note: Includes locks and keys unless provided by the United States Postal Service. | | |
| 10 55 23 26-0016 | EA | 31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09) | 1,830.04 | 44.13 |
| 10 55 23 26-0017 | EA | 31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15) | 3,231.64 | 44.13 |
| 10 55 23 26-0018 | EA | 31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19) | 3,362.86 | 44.13 |
| **10 55 26** | | **Parcel Lockers** *(10 55)* | | |
| 10 55 26 00-0001 | | Parcel Lockers *(10 55 26)* | | |
| 10 55 26 00-0002 | EA | 24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker | 1,596.04 | 33.10 |
| | | Note: Two compartments. | | |
| 10 55 26 00-0003 | EA | 48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker | 1,896.48 | 44.13 |
| | | Note: Two compartments. | | |
| **10 56** | | **Storage Assemblies** *(10 50)* | | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **10 56 13** | | **Metal Storage Shelving** *(10 56)* | | |
| **10 56 13 16** | | **Post-And-Shelf Metal Storage Shelving** *(10 56 13)* | | |
| 10 56 13 16-0001 | | Baked Enamel Steel Shelving *(10 56 13 16)* | | |
| 10 56 13 16-0002 | | 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type *(10 56 13 16-0001)* | | |
| 10 56 13 16-0003 | LF | 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf | 154.43 | 22.51 |
| | | *For >75" To 87" High, Add* | *13.45* | |
| 10 56 13 16-0004 | LF | 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf | 154.72 | 23.64 |
| | | *For >75" To 87" High, Add* | *13.36* | |
| 10 56 13 16-0005 | LF | 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf | 148.65 | 25.90 |
| | | *For >75" To 87" High, Add* | *12.58* | |
| 10 56 13 16-0006 | LF | 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf | 189.03 | 28.14 |
| | | *For >75" To 87" High, Add* | *16.47* | |
| 10 56 13 16-0007 | LF | 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf | 211.94 | 29.27 |
| | | *For >75" To 87" High, Add* | *18.59* | |
| 10 56 13 16-0008 | LF | 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf | 204.23 | 31.52 |
| | | *For >75" To 87" High, Add* | *17.66* | |
| 10 56 13 16-0009 | LF | 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf | 226.93 | 33.77 |
| | | *For >75" To 87" High, Add* | *19.76* | |
| 10 56 13 16-0010 | | 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed *(10 56 13 16-0001)* | | |
| | | Note: Adjustable shelves. | | |
| 10 56 13 16-0011 | LF | 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf | 111.29 | 11.48 |
| 10 56 13 16-0012 | LF | 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf | 110.07 | 12.27 |
| 10 56 13 16-0013 | LF | 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf | 123.67 | 13.05 |
| 10 56 13 16-0014 | LF | 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf | 128.60 | 13.85 |
| 10 56 13 16-0015 | LF | 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf | 148.19 | 14.75 |
| 10 56 13 16-0016 | | 4 Shelf Unit, 40" High Unit *(10 56 13 16-0001)* | | |
| 10 56 13 16-0017 | LF | 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf | 129.58 | 22.51 |
| 10 56 13 16-0018 | LF | 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf | 105.24 | 23.64 |
| 10 56 13 16-0019 | LF | 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf | 120.74 | 25.90 |
| 10 56 13 16-0020 | LF | 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf | 127.24 | 28.14 |
| 10 56 13 16-0021 | LF | 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf | 145.44 | 29.27 |
| **10 56 16** | | **Fabricated Wood Storage Shelving** *(10 56)* | | |
| 10 56 16 00-0001 | | Shelving *(10 56 16)* | | |
| 10 56 16 00-0002 | | Built-In Wood Shelving *(10 56 16 00-0001)* | | |
| | | Note: Priced by shelf area. Includes hardware and trim. | | |
| 10 56 16 00-0003 | SF | Built-in Wood Storage Shelving Post And Trimmed Plywood | 22.08 | 2.78 |
| | | *For Each SF Of Lumber Edge Band, Add* | *0.69* | |
| | | *For Each SF Of Prefinished Shelves, Add* | *2.32* | |
| 10 56 16 00-0004 | SF | Built-in Wood Storage Shelving Post And Solid Clear Pine | 23.80 | 3.34 |
| | | *For Each SF Of Lumber Edge Band, Add* | *0.69* | |
| | | *For Each SF Of Prefinished Shelves, Add* | *2.32* | |
| 10 56 16 00-0005 | SF | Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod | 24.12 | 5.57 |
| | | *For Each SF Of Lumber Edge Band, Add* | *0.69* | |
| | | *For Each SF Of Prefinished Shelves, Add* | *2.32* | |
| 10 56 16 00-0006 | | Wood Shelving, White Pine, Clear Grade, Wall Mounted *(10 56 16 00-0001)* | | |
| 10 56 16 00-0007 | LF | 1" x 8" White Pine Clear Grade Wood Shelving | 18.17 | 6.69 |
| 10 56 16 00-0008 | LF | 1" x 10" White Pine Clear Grade Wood Shelving | 20.01 | 7.13 |
| 10 56 16 00-0009 | LF | 1" x 12" White Pine Clear Grade Wood Shelving | 22.06 | 7.68 |
| 10 56 16 00-0010 | SF | Wood Shelving, 2" White Pine Clear Grade | 28.98 | |
| 10 56 16 00-0011 | | Plywood Shelf With Edge Band *(10 56 16 00-0001)* | | |
| 10 56 16 00-0012 | LF | 12" Wide, 3/4" Plywood Shelf With Edge Band | 22.55 | 6.69 |
| 10 56 16 00-0013 | LF | 24" Wide, 3/4" Plywood Shelf With Edge Band | 35.63 | 8.35 |
| 10 56 16 00-0014 | | Adjustable Shelf And Rod *(10 56 16 00-0001)* | | |
| 10 56 16 00-0015 | EA | 12" Wide Adjustable Shelf, 3' To 6' Long | 207.83 | 25.06 |
| | | Note: Including Rod | | |
| 10 56 16 00-0016 | EA | 12" Wide Adjustable Shelf, 5' To 8' Long | 244.28 | 33.41 |
| | | Note: Including Rod | | |
| 10 56 16 00-0017 | | Prefinished Wood Shelves With Brackets And Supports *(10 56 16 00-0001)* | | |
| 10 56 16 00-0018 | LF | Prefinished Wood Shelves, 8" Wide, With Brackets And Supports | 19.34 | 6.69 |
| 10 56 16 00-0019 | LF | Prefinished Wood Shelves, 10" Wide, With Brackets And Supports | 21.06 | 7.13 |
| 10 56 16 00-0020 | SF | Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards | 67.89 | 11.14 |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 56 16 00-0021 | | Wood Shelving, Oak, Clear Grade, Wall Mounted *(10 56 16 00-0001)* | | |
| 10 56 16 00-0022 | LF | Wood Shelving, 1" X 8" Oak Clear Grade | 22.05 | 10.47 |

## 10 56 17 Wall-Mounted Standards and Shelving *(10 56)*

### 10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

| | | | | |
|---|---|---|---|---|
| 10 56 17 00-0002 | LF | 8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving | 90.27 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0003 | LF | 10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving | 93.56 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0004 | LF | 12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving | 101.19 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0005 | LF | 16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving | 111.05 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0006 | LF | 18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving | 113.50 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0007 | LF | 24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving | 134.62 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |

### 10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

| | | | | |
|---|---|---|---|---|
| 10 56 17 00-0009 | LF | 8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving | 150.17 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0010 | LF | 10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving | 165.12 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0011 | LF | 12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving | 180.15 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0012 | LF | 16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving | 214.69 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0013 | LF | 18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving | 235.13 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0014 | LF | 24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving | 264.66 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |

### 10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

| | | | | |
|---|---|---|---|---|
| 10 56 17 00-0016 | LF | 8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving | 59.17 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0017 | LF | 10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving | 61.39 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0018 | LF | 12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving | 64.09 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0019 | LF | 16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving | 68.00 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0020 | LF | 18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving | 72.73 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0021 | LF | 24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving | 85.46 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |

### 10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

| | | | | |
|---|---|---|---|---|
| 10 56 17 00-0023 | LF | 14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving | 88.18 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0024 | LF | 18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving | 99.69 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |

### 10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 56 17 00-0026 | LF | 14" Depth, Stainless Steel, Wall Mounted Wire Shelving | 213.28 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |
| 10 56 17 00-0027 | LF | 18" Depth, Stainless Steel, Wall Mounted Wire Shelving | 222.10 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *3.52* | |
| | | *For Installation On Concrete Block Walls, Add* | *4.21* | |

### 10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

| | | | | |
|---|---|---|---|---|
| 10 56 17 00-0029 | LF | 8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving | 59.36 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *4.73* | |
| | | *For Installation On Concrete Block Walls, Add* | *5.42* | |
| 10 56 17 00-0030 | LF | 10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving | 60.81 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *4.76* | |
| | | *For Installation On Concrete Block Walls, Add* | *5.45* | |
| 10 56 17 00-0031 | LF | 12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving | 61.75 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *4.78* | |
| | | *For Installation On Concrete Block Walls, Add* | *5.47* | |
| 10 56 17 00-0032 | LF | 16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving | 65.19 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *4.84* | |
| | | *For Installation On Concrete Block Walls, Add* | *5.53* | |
| 10 56 17 00-0033 | LF | 18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving | 66.95 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *4.86* | |
| | | *For Installation On Concrete Block Walls, Add* | *5.55* | |
| 10 56 17 00-0034 | LF | 24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving | 72.23 | 11.03 |
| | | *For Installation On Concrete Walls, Add* | *4.95* | |
| | | *For Installation On Concrete Block Walls, Add* | *5.64* | |

### 10 56 17 00-0035 Wall Mounted Shelving Accessories *(10 56 17)*

| | | | | |
|---|---|---|---|---|
| 10 56 17 00-0036 | LF | Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit | 36.86 | |

## 10 57 Wardrobe And Closet Specialties *(10 50)*

### 10 57 13 Hat And Coat Racks *(10 57)*

#### 10 57 13 00-0001 Hat And Coat Rack *(10 57 13)*

#### 10 57 13 00-0002 Single Tier *(10 57 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 10 57 13 00-0003 | LF | Single Tier Hat And Coat Rack Baked Enameled Steel | 70.11 | 5.52 |
| | | *For Custom Made Units, Add* | *33.29* | |
| 10 57 13 00-0004 | LF | Single Tier Hat And Coat Rack Stainless Steel | 49.64 | 5.52 |
| | | *For Custom Made Units, Add* | *21.01* | |
| 10 57 13 00-0005 | LF | Single Tier Hat And Coat Rack Aluminum | 145.95 | 5.52 |
| | | *For Custom Made Units, Add* | *78.80* | |

#### 10 57 13 00-0006 Double Tier *(10 57 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 10 57 13 00-0007 | LF | Double Tier Hat And Coat Rack Baked Enameled Steel | 94.37 | 5.52 |
| | | *For Custom Made Units, Add* | *45.78* | |
| 10 57 13 00-0008 | LF | Double Tier Hat And Coat Rack Stainless Steel | 55.56 | 5.52 |
| | | *For Custom Made Units, Add* | *22.49* | |
| 10 57 13 00-0009 | LF | Double Tier Hat And Coat Rack Aluminum | 251.45 | 5.52 |
| | | *For Custom Made Units, Add* | *140.02* | |

### 10 57 43 Wardrobe Units *(10 57)*

#### 10 57 43 00-0001 Dormitory Wardrobe Units *(10 57 43)*

| | | | | |
|---|---|---|---|---|
| 10 57 43 00-0002 | EA | 24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door | 2,157.42 | 204.34 |
| | | *For Custom Made Units, Add* | *1,151.43* | |
| 10 57 43 00-0003 | EA | 24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door | 1,643.74 | 204.34 |
| | | *For Custom Made Units, Add* | *843.22* | |

## 10 70 Exterior Specialties *(10)*

### 10 71 Exterior Protection *(10 70)*

#### 10 71 13 Exterior Sun Control Devices *(10 71)*

##### 10 71 13 13 Exterior Shutters *(10 71 13)*

#### 10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished *(10 71 13 13)*

#### 10 71 13 13-0002 Louvered Decorative Shutters *(10 71 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0003 | PR | 15" x 25" Louvered Shutter, High Impact Resistant Plastic | 113.85 | 33.38 |
| | | *For Colored Finish, Add* | *12.48* | |
| 10 71 13 13-0004 | PR | 15" x 31" Louvered Shutter, High Impact Resistant Plastic | 123.55 | 35.05 |
| | | *For Colored Finish, Add* | *13.83* | |
| 10 71 13 13-0005 | PR | 15" x 36" Louvered Shutter, High Impact Resistant Plastic | 133.29 | 36.71 |
| | | *For Colored Finish, Add* | *15.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 71 13 13-0006 | PR | 15" x 39" Louvered Shutter, High Impact Resistant Plastic | 142.15 | 38.38 |
| | | *For Colored Finish, Add* | *16.38* | |
| 10 71 13 13-0007 | PR | 15" x 43" Louvered Shutter, High Impact Resistant Plastic | 152.21 | 40.05 |
| | | *For Colored Finish, Add* | *17.79* | |
| 10 71 13 13-0008 | PR | 15" x 48" Louvered Shutter, High Impact Resistant Plastic | 162.70 | 41.72 |
| | | *For Colored Finish, Add* | *19.27* | |
| 10 71 13 13-0009 | PR | 15" x 52" Louvered Shutter, High Impact Resistant Plastic | 169.80 | 43.38 |
| | | *For Colored Finish, Add* | *20.15* | |
| 10 71 13 13-0010 | PR | 15" x 55" Louvered Shutter, High Impact Resistant Plastic | 177.69 | 45.05 |
| | | *For Colored Finish, Add* | *21.17* | |
| 10 71 13 13-0011 | PR | 15" x 60" Louvered Shutter, High Impact Resistant Plastic | 188.34 | 46.72 |
| | | *For Colored Finish, Add* | *22.69* | |
| 10 71 13 13-0012 | PR | 15" x 64" Louvered Shutter, High Impact Resistant Plastic | 202.64 | 48.39 |
| | | *For Colored Finish, Add* | *24.86* | |
| 10 71 13 13-0013 | PR | 15" x 67" Louvered Shutter, High Impact Resistant Plastic | 209.34 | 50.06 |
| | | *For Colored Finish, Add* | *25.67* | |
| 10 71 13 13-0014 | PR | 15" x 72" Louvered Shutter, High Impact Resistant Plastic | 227.32 | 51.73 |
| | | *For Colored Finish, Add* | *28.50* | |
| 10 71 13 13-0015 | PR | 15" x 75" Louvered Shutter, High Impact Resistant Plastic | 233.96 | 53.40 |
| | | *For Colored Finish, Add* | *29.30* | |
| 10 71 13 13-0016 | PR | 15" x 80" Louvered Shutter, High Impact Resistant Plastic | 246.45 | 55.07 |
| | | *For Colored Finish, Add* | *31.14* | |

### 10 71 13 13-0017 Raised Panel Decorative Shutters *(10 71 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0018 | PR | 15" x 35" Raised Panel Shutter, High Impact Resistant Plastic | 161.22 | 36.71 |
| | | *For Colored Finish, Add* | *20.21* | |
| 10 71 13 13-0019 | PR | 15" x 39" Raised Panel Shutter, High Impact Resistant Plastic | 172.90 | 38.38 |
| | | *For Colored Finish, Add* | *21.91* | |
| 10 71 13 13-0020 | PR | 15" x 43" Raised Panel Shutter, High Impact Resistant Plastic | 180.51 | 40.05 |
| | | *For Colored Finish, Add* | *22.88* | |
| 10 71 13 13-0021 | PR | 15" x 47" Raised Panel Shutter, High Impact Resistant Plastic | 192.54 | 41.72 |
| | | *For Colored Finish, Add* | *24.65* | |
| 10 71 13 13-0022 | PR | 15" x 51" Raised Panel Shutter, High Impact Resistant Plastic | 202.84 | 43.38 |
| | | *For Colored Finish, Add* | *26.10* | |
| 10 71 13 13-0023 | PR | 15" x 55" Raised Panel Shutter, High Impact Resistant Plastic | 212.54 | 45.05 |
| | | *For Colored Finish, Add* | *27.44* | |
| 10 71 13 13-0024 | PR | 15" x 59" Raised Panel Shutter, High Impact Resistant Plastic | 225.76 | 46.72 |
| | | *For Colored Finish, Add* | *29.42* | |
| 10 71 13 13-0025 | PR | 15" x 63" Raised Panel Shutter, High Impact Resistant Plastic | 243.26 | 48.39 |
| | | *For Colored Finish, Add* | *32.17* | |
| 10 71 13 13-0026 | PR | 15" x 67" Raised Panel Shutter, High Impact Resistant Plastic | 255.46 | 50.06 |
| | | *For Colored Finish, Add* | *33.97* | |
| 10 71 13 13-0027 | PR | 15" x 71" Raised Panel Shutter, High Impact Resistant Plastic | 269.23 | 51.73 |
| | | *For Colored Finish, Add* | *36.05* | |
| 10 71 13 13-0028 | PR | 15" x 75" Raised Panel Shutter, High Impact Resistant Plastic | 273.68 | 53.40 |
| | | *For Colored Finish, Add* | *36.45* | |
| 10 71 13 13-0029 | PR | 15" x 81" Raised Panel Shutter, High Impact Resistant Plastic | 283.56 | 55.07 |
| | | *For Colored Finish, Add* | *37.82* | |

### 10 71 13 13-0030 Exterior Spanish Cedar Shutters *(10 71 13 13)*

### 10 71 13 13-0031 12" Width *(10 71 13 13-0030)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0032 | PR | 12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter | 571.58 | 33.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0033 | PR | 12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter | 617.37 | 36.71 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0034 | PR | 12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter | 660.93 | 38.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0035 | PR | 12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter | 706.72 | 41.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0036 | PR | 12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter | 750.29 | 43.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0037 | PR | 12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter | 799.53 | 46.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0038 | PR | 12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter | 843.10 | 48.39 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0039 | PR | 12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter | 886.66 | 50.06 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0040 | PR | 12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter | 932.45 | 53.40 |
| | | *For Arched Tops, Add* | *150.00* | |

### 10 71 13 13-0041 14" Width *(10 71 13 13-0030)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0042 | PR | 14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter | 606.04 | 33.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0043 | PR | 14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter | 658.71 | 36.71 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0044 | PR | 14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter | 709.17 | 38.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0045 | PR | 14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter | 761.84 | 41.72 |
| | | *For Arched Tops, Add* | *150.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 71 13 13-0046 | PR | 14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter | 812.31 | 43.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0047 | PR | 14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter | 864.98 | 46.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0048 | PR | 14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter | 915.45 | 48.39 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0049 | PR | 14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter | 962.45 | 50.06 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0050 | PR | 14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter | 1,015.13 | 53.40 |
| | | *For Arched Tops, Add* | *150.00* | |
| **10 71 13 13-0051** | | **16" Width** *(10 71 13 13-0030)* | | |
| 10 71 13 13-0052 | PR | 16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter | 643.93 | 33.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0053 | PR | 16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter | 700.05 | 36.71 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0054 | PR | 16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter | 757.39 | 38.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0055 | PR | 16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter | 813.52 | 41.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0056 | PR | 16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter | 870.87 | 43.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0057 | PR | 16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter | 930.44 | 46.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0058 | PR | 16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter | 984.35 | 48.39 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0059 | PR | 16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter | 1,041.69 | 50.06 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0060 | PR | 16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter | 1,101.26 | 53.40 |
| | | *For Arched Tops, Add* | *150.00* | |
| **10 71 13 13-0061** | | **18" Width** *(10 71 13 13-0030)* | | |
| 10 71 13 13-0062 | PR | 18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter | 678.38 | 33.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0063 | PR | 18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter | 741.39 | 36.71 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0064 | PR | 18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter | 805.63 | 38.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0065 | PR | 18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter | 868.64 | 41.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0066 | PR | 18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter | 929.43 | 43.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0067 | PR | 18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter | 995.89 | 46.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0068 | PR | 18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter | 1,056.69 | 48.39 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0069 | PR | 18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter | 1,120.92 | 50.06 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0070 | PR | 18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter | 1,183.94 | 53.40 |
| | | *For Arched Tops, Add* | *150.00* | |
| **10 71 13 13-0071** | | **20" Width** *(10 71 13 13-0030)* | | |
| 10 71 13 13-0072 | PR | 20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter | 712.83 | 33.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0073 | PR | 20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter | 782.73 | 36.71 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0074 | PR | 20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter | 850.41 | 38.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0075 | PR | 20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter | 923.76 | 41.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0076 | PR | 20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter | 991.45 | 43.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0077 | PR | 20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter | 1,061.35 | 46.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0078 | PR | 20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter | 1,129.03 | 48.39 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0079 | PR | 20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter | 1,196.71 | 50.06 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0080 | PR | 20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter | 1,266.62 | 53.40 |
| | | *For Arched Tops, Add* | *150.00* | |
| **10 71 13 13-0081** | | **Heavy-Duty Exterior True Louver Shutters, Western Red Cedar** *(10 71 13 13)* | | |
| **10 71 13 13-0082** | | **12" Width** *(10 71 13 13-0081)* | | |
| 10 71 13 13-0083 | PR | 12" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar | 514.65 | 33.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0084 | PR | 12" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar | 548.16 | 35.05 |
| | | *For Arched Tops, Add* | *150.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 71 13 13-0085 | PR | 12" x 44" Louver Shutter, Heavy-Duty Red Cedar | 597.33 | 36.71 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0086 | PR | 12" x 47" Louver Shutter, Heavy-Duty Red Cedar | 630.85 | 38.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0087 | PR | 12" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar | 680.02 | 40.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0088 | PR | 12" x 56" Louver Shutter, Heavy-Duty Red Cedar | 729.18 | 41.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0089 | PR | 12" x 59" Louver Shutter, Heavy-Duty Red Cedar | 762.71 | 43.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0090 | PR | 12" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar | 811.87 | 45.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0091 | PR | 12" x 68" Louver Shutter, Heavy-Duty Red Cedar | 861.04 | 46.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0092 | PR | 12" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar | 910.21 | 48.39 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0093 | PR | 12" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar | 943.73 | 50.06 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0094 | PR | 12" x 80" Louver Shutter, Heavy-Duty Red Cedar | 992.89 | 51.73 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0095 | PR | 12" x 83" Louver Shutter, Heavy-Duty Red Cedar | 1,026.41 | 53.40 |
| | | *For Arched Tops, Add* | *150.00* | |
| **10 71 13 13-0096** | | **14" Width** *(10 71 13 13-0081)* | | |
| 10 71 13 13-0097 | PR | 14" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar | 578.10 | 33.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0098 | PR | 14" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar | 616.84 | 35.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0099 | PR | 14" x 44" Louver Shutter, Heavy-Duty Red Cedar | 673.83 | 36.71 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0100 | PR | 14" x 47" Louver Shutter, Heavy-Duty Red Cedar | 712.56 | 38.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0101 | PR | 14" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar | 769.55 | 40.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0102 | PR | 14" x 56" Louver Shutter, Heavy-Duty Red Cedar | 826.54 | 41.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0103 | PR | 14" x 59" Louver Shutter, Heavy-Duty Red Cedar | 865.28 | 43.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0104 | PR | 14" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar | 922.26 | 45.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0105 | PR | 14" x 68" Louver Shutter, Heavy-Duty Red Cedar | 979.27 | 46.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0106 | PR | 14" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar | 1,036.26 | 48.39 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0107 | PR | 14" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar | 1,074.99 | 50.06 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0108 | PR | 14" x 80" Louver Shutter, Heavy-Duty Red Cedar | 1,131.98 | 51.73 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0109 | PR | 14" x 83" Louver Shutter, Heavy-Duty Red Cedar | 1,170.71 | 53.40 |
| | | *For Arched Tops, Add* | *150.00* | |
| **10 71 13 13-0110** | | **15" Width** *(10 71 13 13-0081)* | | |
| 10 71 13 13-0111 | PR | 15" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar | 609.83 | 33.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0112 | PR | 15" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar | 651.17 | 35.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0113 | PR | 15" x 44" Louver Shutter, Heavy-Duty Red Cedar | 712.08 | 36.71 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0114 | PR | 15" x 47" Louver Shutter, Heavy-Duty Red Cedar | 753.42 | 38.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0115 | PR | 15" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar | 814.32 | 40.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0116 | PR | 15" x 56" Louver Shutter, Heavy-Duty Red Cedar | 875.22 | 41.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0117 | PR | 15" x 59" Louver Shutter, Heavy-Duty Red Cedar | 916.57 | 43.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0118 | PR | 15" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar | 977.46 | 45.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0119 | PR | 15" x 68" Louver Shutter, Heavy-Duty Red Cedar | 1,038.38 | 46.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0120 | PR | 15" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar | 1,099.29 | 48.39 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0121 | PR | 15" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar | 1,140.62 | 50.06 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0122 | PR | 15" x 80" Louver Shutter, Heavy-Duty Red Cedar | 1,201.52 | 51.73 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0123 | PR | 15" x 83" Louver Shutter, Heavy-Duty Red Cedar | 1,242.86 | 53.40 |
| | | *For Arched Tops, Add* | *150.00* | |
| **10 71 13 13-0124** | | **16" Width** *(10 71 13 13-0081)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 71 13 13-0125 | PR | 16" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar | 641.56 | 33.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0126 | PR | 16" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar | 674.64 | 35.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0127 | PR | 16" x 44" Louver Shutter, Heavy-Duty Red Cedar | 750.33 | 36.71 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0128 | PR | 16" x 47" Louver Shutter, Heavy-Duty Red Cedar | 794.28 | 38.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0129 | PR | 16" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar | 859.09 | 40.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0130 | PR | 16" x 56" Louver Shutter, Heavy-Duty Red Cedar | 923.90 | 41.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0131 | PR | 16" x 59" Louver Shutter, Heavy-Duty Red Cedar | 967.86 | 43.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0132 | PR | 16" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar | 1,032.66 | 45.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0133 | PR | 16" x 68" Louver Shutter, Heavy-Duty Red Cedar | 1,097.49 | 46.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0134 | PR | 16" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar | 1,162.31 | 48.39 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0135 | PR | 16" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar | 1,206.26 | 50.06 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0136 | PR | 16" x 80" Louver Shutter, Heavy-Duty Red Cedar | 1,271.07 | 51.73 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0137 | PR | 16" x 83" Louver Shutter, Heavy-Duty Red Cedar | 1,315.01 | 53.40 |
| | | *For Arched Tops, Add* | *150.00* | |
| **10 71 13 13-0138** | | **18" Width** *(10 71 13 13-0081)* | | |
| 10 71 13 13-0139 | PR | 18" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar | 705.02 | 33.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0140 | PR | 18" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar | 754.18 | 35.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0141 | PR | 18" x 44" Louver Shutter, Heavy-Duty Red Cedar | 826.83 | 36.71 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0142 | PR | 18" x 47" Louver Shutter, Heavy-Duty Red Cedar | 875.99 | 38.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0143 | PR | 18" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar | 948.62 | 40.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0144 | PR | 18" x 56" Louver Shutter, Heavy-Duty Red Cedar | 1,021.27 | 41.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0145 | PR | 18" x 59" Louver Shutter, Heavy-Duty Red Cedar | 1,070.44 | 43.38 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0146 | PR | 18" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar | 1,143.06 | 45.05 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0147 | PR | 18" x 68" Louver Shutter, Heavy-Duty Red Cedar | 1,215.72 | 46.72 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0148 | PR | 18" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar | 1,288.36 | 48.39 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0149 | PR | 18" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar | 1,337.52 | 50.06 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0150 | PR | 18" x 80" Louver Shutter, Heavy-Duty Red Cedar | 1,410.15 | 51.73 |
| | | *For Arched Tops, Add* | *150.00* | |
| 10 71 13 13-0151 | PR | 18" x 83" Louver Shutter, Heavy-Duty Red Cedar | 1,459.32 | 53.40 |
| | | *For Arched Tops, Add* | *150.00* | |
| **10 71 13 13-0152** | | **Exterior Cypress Fixed Louver Wood Shutters** *(10 71 13 13)* | | |
| **10 71 13 13-0153** | | **6" Through 8" Width** *(10 71 13 13-0152)* | | |
| 10 71 13 13-0154 | PR | 6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter | 642.59 | 31.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0155 | PR | 6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter | 723.61 | 32.59 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0156 | PR | 6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter | 804.87 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0157 | PR | 6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter | 887.11 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0158 | PR | 6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter | 969.39 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0159 | PR | 6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter | 1,051.65 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0160 | PR | 6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter | 1,133.90 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0161 | PR | 6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter | 1,216.17 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0162 | PR | 6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter | 1,298.45 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0163 | PR | 6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter | 1,380.68 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0164 | PR | 6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter | 1,462.96 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0165 | PR | 6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter | 1,545.24 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 71 13 13-0166 | PR | 6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter | 1,627.50 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0167 | PR | 6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter | 1,709.77 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |

### 10 71 13 13-0168 10" Through 12" Width *(10 71 13 13-0152)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0169 | PR | 10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter | 748.52 | 31.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0170 | PR | 10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter | 843.76 | 32.59 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0171 | PR | 10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter | 939.06 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0172 | PR | 10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter | 1,035.45 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0173 | PR | 10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter | 1,131.82 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0174 | PR | 10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter | 1,228.21 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0175 | PR | 10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter | 1,324.61 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0176 | PR | 10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter | 1,420.98 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0177 | PR | 10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter | 1,517.38 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0178 | PR | 10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter | 1,613.77 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0179 | PR | 10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter | 1,710.15 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0180 | PR | 10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter | 1,806.55 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0181 | PR | 10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter | 1,902.91 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0182 | PR | 10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter | 1,999.31 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |

### 10 71 13 13-0183 14" Through 16" Width *(10 71 13 13-0152)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0184 | PR | 14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter | 983.92 | 31.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0185 | PR | 14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter | 1,110.58 | 32.59 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0186 | PR | 14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter | 1,237.22 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0187 | PR | 14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter | 1,364.99 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0188 | PR | 14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter | 1,492.78 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0189 | PR | 14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter | 1,620.55 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0190 | PR | 14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter | 1,748.33 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0191 | PR | 14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter | 1,876.11 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0192 | PR | 14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter | 1,878.34 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0193 | PR | 14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter | 2,131.66 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0194 | PR | 14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter | 2,259.45 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0195 | PR | 14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter | 2,387.21 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0196 | PR | 14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter | 2,514.98 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0197 | PR | 14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter | 2,642.75 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |

### 10 71 13 13-0198 18" Through 20" Width *(10 71 13 13-0152)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0199 | PR | 18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter | 1,101.61 | 31.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0200 | PR | 18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter | 1,243.97 | 32.59 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0201 | PR | 18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter | 1,386.32 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0202 | PR | 18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter | 1,528.48 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0203 | PR | 18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter | 1,673.26 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0204 | PR | 18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter | 1,816.74 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0205 | PR | 18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter | 1,960.18 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 71 13 13-0206 | PR | 18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter | 2,103.68 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0207 | PR | 18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter | 2,247.13 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0208 | PR | 18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter | 2,390.61 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0209 | PR | 18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter | 2,534.07 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0210 | PR | 18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter | 2,677.56 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0211 | PR | 18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter | 2,821.01 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0212 | PR | 18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter | 2,964.49 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |

### 10 71 13 13-0213 22" Through 24" Width *(10 71 13 13-0152)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0214 | PR | 22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter | 1,454.73 | 31.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0215 | PR | 22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter | 1,644.14 | 32.59 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0216 | PR | 22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter | 1,833.61 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0217 | PR | 22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter | 2,024.15 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0218 | PR | 22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter | 2,214.69 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0219 | PR | 22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter | 2,405.26 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0220 | PR | 22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter | 2,595.79 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0221 | PR | 22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter | 2,786.34 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0222 | PR | 22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter | 2,976.92 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0223 | PR | 22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter | 3,167.44 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0224 | PR | 22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter | 3,358.00 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0225 | PR | 22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter | 3,548.58 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0226 | PR | 22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter | 3,739.11 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0227 | PR | 22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter | 3,929.65 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |

### 10 71 13 13-0228 26" Through 28" Width *(10 71 13 13-0152)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0229 | PR | 26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter | 1,666.59 | 31.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0230 | PR | 26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter | 1,884.25 | 32.59 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0231 | PR | 26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter | 2,101.97 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0232 | PR | 26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter | 2,320.76 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0233 | PR | 26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter | 2,539.56 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0234 | PR | 26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter | 2,758.38 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0235 | PR | 26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter | 2,977.17 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0236 | PR | 26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter | 3,195.96 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0237 | PR | 26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter | 3,414.79 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0238 | PR | 26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter | 3,633.54 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0239 | PR | 26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter | 3,852.35 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0240 | PR | 26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter | 4,071.18 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0241 | PR | 26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter | 4,289.96 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0242 | PR | 26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter | 4,508.72 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |

### 10 71 13 13-0243 Pine Louvered Shutters *(10 71 13 13)*

### 10 71 13 13-0244 12" Width *(10 71 13 13-0243)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0245 | PR | 12" x 35" Pine Louvered Shutter | 366.87 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 71 13 13-0246 | PR | 12" x 39" Pine Louvered Shutter | 382.74 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0247 | PR | 12" x 43" Pine Louvered Shutter | 398.44 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0248 | PR | 12" x 47" Pine Louvered Shutter | 414.21 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0249 | PR | 12" x 51" Pine Louvered Shutter | 429.91 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0250 | PR | 12" x 55" Pine Louvered Shutter | 445.68 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0251 | PR | 12" x 59" Pine Louvered Shutter | 461.49 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0252 | PR | 12" x 63" Pine Louvered Shutter | 477.36 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0253 | PR | 12" x 67" Pine Louvered Shutter | 493.15 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0254 | PR | 12" x 71" Pine Louvered Shutter | 508.96 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0255 | PR | 12" x 75" Pine Louvered Shutter | 524.73 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| **10 71 13 13-0256** | | **14" Width** *(10 71 13 13-0243)* | | |
| 10 71 13 13-0257 | PR | 14" x 35" Pine Louvered Shutter | 405.80 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0258 | PR | 14" x 39" Pine Louvered Shutter | 423.45 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0259 | PR | 14" x 43" Pine Louvered Shutter | 440.82 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0260 | PR | 14" x 47" Pine Louvered Shutter | 458.36 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0261 | PR | 14" x 51" Pine Louvered Shutter | 475.76 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0262 | PR | 14" x 55" Pine Louvered Shutter | 493.13 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0263 | PR | 14" x 59" Pine Louvered Shutter | 510.65 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0264 | PR | 14" x 63" Pine Louvered Shutter | 528.14 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0265 | PR | 14" x 67" Pine Louvered Shutter | 545.56 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0266 | PR | 14" x 71" Pine Louvered Shutter | 563.04 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0267 | PR | 14" x 75" Pine Louvered Shutter | 580.58 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| **10 71 13 13-0268** | | **15" Width** *(10 71 13 13-0243)* | | |
| 10 71 13 13-0269 | PR | 15" x 35" Pine Louvered Shutter | 424.82 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0270 | PR | 15" x 39" Pine Louvered Shutter | 443.12 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0271 | PR | 15" x 43" Pine Louvered Shutter | 461.50 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0272 | PR | 15" x 47" Pine Louvered Shutter | 479.73 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0273 | PR | 15" x 51" Pine Louvered Shutter | 498.07 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0274 | PR | 15" x 55" Pine Louvered Shutter | 516.38 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0275 | PR | 15" x 59" Pine Louvered Shutter | 534.73 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0276 | PR | 15" x 63" Pine Louvered Shutter | 552.99 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0277 | PR | 15" x 67" Pine Louvered Shutter | 571.27 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0278 | PR | 15" x 71" Pine Louvered Shutter | 589.55 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0279 | PR | 15" x 75" Pine Louvered Shutter | 607.89 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0280 | PR | 15" x 81" Pine Louvered Shutter | 634.23 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |
| **10 71 13 13-0281** | | **16" Width** *(10 71 13 13-0243)* | | |
| 10 71 13 13-0282 | PR | 16" x 35" Pine Louvered Shutter | 442.93 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0283 | PR | 16" x 39" Pine Louvered Shutter | 462.79 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0284 | PR | 16" x 43" Pine Louvered Shutter | 482.84 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0285 | PR | 16" x 47" Pine Louvered Shutter | 502.81 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 71 13 13-0286 | PR | 16" x 51" Pine Louvered Shutter | 522.81 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0287 | PR | 16" x 55" Pine Louvered Shutter | 542.79 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0288 | PR | 16" x 59" Pine Louvered Shutter | 562.66 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0289 | PR | 16" x 63" Pine Louvered Shutter | 582.69 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0290 | PR | 16" x 67" Pine Louvered Shutter | 602.68 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0291 | PR | 16" x 71" Pine Louvered Shutter | 622.69 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0292 | PR | 16" x 75" Pine Louvered Shutter | 642.66 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0293 | PR | 16" x 81" Pine Louvered Shutter | 662.52 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |
| **10 71 13 13-0294** | | **18" Width** *(10 71 13 13-0243)* | | |
| 10 71 13 13-0295 | PR | 18" x 35" Pine Louvered Shutter | 482.77 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0296 | PR | 18" x 39" Pine Louvered Shutter | 508.61 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0297 | PR | 18" x 47" Pine Louvered Shutter | 552.94 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0298 | PR | 18" x 55" Pine Louvered Shutter | 597.37 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0299 | PR | 18" x 63" Pine Louvered Shutter | 641.77 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0300 | PR | 18" x 75" Pine Louvered Shutter | 738.36 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0301 | PR | 18" x 81" Pine Louvered Shutter | 765.57 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |
| **10 71 13 13-0302** | | **Exterior Cedar Board N' Batten Wood Shutters** *(10 71 13 13)* | | |
| **10 71 13 13-0303** | | **8" Through 14" Width** *(10 71 13 13-0302)* | | |
| 10 71 13 13-0304 | PR | 8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter | 733.77 | 31.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0305 | PR | 8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter | 965.36 | 32.59 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0306 | PR | 8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter | 966.48 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0307 | PR | 8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter | 1,199.20 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0308 | PR | 8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter | 1,201.43 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0309 | PR | 8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter | 1,203.65 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0310 | PR | 8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter | 1,436.38 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0311 | PR | 8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter | 1,438.60 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0312 | PR | 8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter | 1,440.83 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0313 | PR | 8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter | 1,673.54 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0314 | PR | 8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter | 1,675.77 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0315 | PR | 8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter | 1,908.50 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0316 | PR | 8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter | 1,910.72 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0317 | PR | 8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter | 1,912.94 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0318 | PR | 8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter | 1,915.17 | 53.40 |
| | | *For Arched Tops, Add* | *65.00* | |
| **10 71 13 13-0319** | | **15" Through 16" Width** *(10 71 13 13-0302)* | | |
| 10 71 13 13-0320 | PR | 15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter | 964.26 | 31.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0321 | PR | 15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter | 965.36 | 32.59 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0322 | PR | 15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter | 1,196.98 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0323 | PR | 15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter | 1,199.20 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0324 | PR | 15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter | 1,431.93 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0325 | PR | 15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter | 1,434.15 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 71 13 13-0326 | PR | 15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter | 1,436.37 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0327 | PR | 15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter | 1,669.09 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0328 | PR | 15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter | 1,671.32 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0329 | PR | 15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter | 1,904.03 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0330 | PR | 15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter | 1,906.27 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0331 | PR | 15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter | 2,138.99 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0332 | PR | 15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter | 2,141.21 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0333 | PR | 15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter | 2,373.93 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0334 | PR | 15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter | 2,376.15 | 53.40 |
| | | *For Arched Tops, Add* | *65.00* | |

### 10 71 13 13-0335 17" Through 18" Width *(10 71 13 13-0302)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0336 | PR | 17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter | 964.26 | 31.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0337 | PR | 17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter | 1,195.86 | 32.59 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0338 | PR | 17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter | 1,196.98 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0339 | PR | 17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter | 1,429.70 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0340 | PR | 17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter | 1,431.93 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0341 | PR | 17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter | 1,664.64 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0342 | PR | 17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter | 1,666.86 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0343 | PR | 17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter | 1,899.59 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0344 | PR | 17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter | 1,901.82 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0345 | PR | 17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter | 2,134.52 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0346 | PR | 17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter | 2,136.76 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0347 | PR | 17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter | 2,369.49 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0348 | PR | 17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter | 2,371.71 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0349 | PR | 17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter | 2,604.43 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0350 | PR | 17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter | 2,606.65 | 53.40 |
| | | *For Arched Tops, Add* | *65.00* | |

### 10 71 13 13-0351 19" Through 20" Width *(10 71 13 13-0302)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0352 | PR | 19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter | 1,194.76 | 31.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0353 | PR | 19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter | 1,195.86 | 32.59 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0354 | PR | 19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter | 1,427.48 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0355 | PR | 19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter | 1,429.70 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0356 | PR | 19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter | 1,662.42 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0357 | PR | 19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter | 1,664.64 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0358 | PR | 19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter | 1,897.36 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0359 | PR | 19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter | 2,130.08 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0360 | PR | 19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter | 2,132.31 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0361 | PR | 19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter | 2,365.02 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0362 | PR | 19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter | 2,367.26 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0363 | PR | 19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter | 2,599.99 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0364 | PR | 19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter | 2,602.21 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0365 | PR | 19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter | 2,834.92 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0366 | PR | 19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter | 2,837.14 | 53.40 |
| | | *For Arched Tops, Add* | *65.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 10 71 13 13-0367 21" Through 22" Width *(10 71 13 13-0302)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0368 | PR | 21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter | 1,194.76 | 31.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0369 | PR | 21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter | 1,195.86 | 32.59 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0370 | PR | 21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter | 1,427.48 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0371 | PR | 21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter | 1,660.19 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0372 | PR | 21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter | 1,662.42 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0373 | PR | 21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter | 1,895.14 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0374 | PR | 21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter | 1,897.36 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0375 | PR | 21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter | 2,130.08 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0376 | PR | 21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter | 2,362.81 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0377 | PR | 21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter | 2,365.02 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0378 | PR | 21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter | 2,597.76 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0379 | PR | 21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter | 2,599.99 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0380 | PR | 21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter | 2,832.70 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0381 | PR | 21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter | 2,834.92 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0382 | PR | 21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter | 2,837.14 | 53.40 |
| | | *For Arched Tops, Add* | *65.00* | |

### 10 71 13 13-0383 22" Through 24" Width *(10 71 13 13-0302)*

| | | | | |
|---|---|---|---|---|
| 10 71 13 13-0384 | PR | 22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter | 1,194.76 | 31.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0385 | PR | 22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter | 1,426.36 | 32.59 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0386 | PR | 22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter | 1,427.48 | 33.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0387 | PR | 22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter | 1,660.19 | 35.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0388 | PR | 22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter | 1,892.92 | 36.71 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0389 | PR | 22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter | 1,895.14 | 38.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0390 | PR | 22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter | 2,127.85 | 40.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0391 | PR | 22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter | 2,130.08 | 41.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0392 | PR | 22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter | 2,362.81 | 43.38 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0393 | PR | 22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter | 2,595.52 | 45.05 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0394 | PR | 22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter | 2,597.76 | 46.72 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0395 | PR | 22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter | 2,830.48 | 48.39 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0396 | PR | 22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter | 2,832.70 | 50.06 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0397 | PR | 22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter | 3,065.42 | 51.73 |
| | | *For Arched Tops, Add* | *65.00* | |
| 10 71 13 13-0398 | PR | 22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter | 3,067.64 | 53.40 |
| | | *For Arched Tops, Add* | *65.00* | |

### 10 71 13 13-0399 Accessories *(10 71 13 13)*

| | | | |
|---|---|---|---|
| 10 71 13 13-0400 | PR | Surface Mounted Pintel, Stainless Steel | 67.82 |
| 10 71 13 13-0401 | PR | Lag Pintel, Stainless Steel | 67.82 |
| 10 71 13 13-0402 | PR | 10" Strap Hinge, Stainless Steel | 101.81 |
| 10 71 13 13-0403 | PR | 6" L-Hinge, Stainless Steel | 94.02 |
| 10 71 13 13-0404 | PR | Hinge Set, Galvanized And Painted | 85.09 |
| 10 71 13 13-0405 | PR | Acorn Holdback | 79.01 |
| 10 71 13 13-0406 | PR | 'S' Holdback, Stainless Steel | 66.40 |
| 10 71 13 13-0407 | PR | 'S' Holdback, Galvanized And Painted | 62.51 |

## 10 73 Protective Covers *(10 70)*

### 10 73 13 Awnings *(10 73)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 10 73 13 13 Metal Awnings *(10 73 13)*

#### 10 73 13 13-0001 Metal Awnings *(10 73 13 13)*

Note: Includes metal cover, frame supports and anchoring.

| | | | | |
|---|---|---|---|---|
| 10 73 13 13-0002 | SF | Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings | 80.17 | 9.19 |
| 10 73 13 13-0003 | SF | Baked Enamel Finish, Ribbed Aluminum Window Awning | 70.89 | 8.24 |
| 10 73 13 13-0004 | SF | Flat Roofed Steel Awning<br>Note: Per SF of covered area | 223.97 | 9.54 |
| 10 73 13 13-0005 | SF | Arched Roofed Steel Awning (Per SF Of Covered Area) | 231.15 | 10.74 |

### 10 73 13 23 Fabric Awnings *(10 73 13)*

#### 10 73 13 23-0001 Canvas Awnings *(10 73 13 23)*

Note: Includes minimum 12 oz. canvas, frame supports and anchoring.

| | | | | |
|---|---|---|---|---|
| 10 73 13 23-0002 | SF | Canvas Awning, Waterproof Fabric Tubular Metal Framing | 77.47 | 7.67 |
| 10 73 13 23-0003 | SF | Side Protection Canvas For Walkways (Per SF Of Wall Area) | 44.51 | 2.47 |
| 10 73 13 23-0004 | SF | Removal And Replacement Of Canvas For Awnings<br>Note: Includes removal of existing canvas cover. | 28.42 | |
| | | *For 18 Oz. Vinyl Laminated Polyester Cover, Add* | *0.98* | |

### 10 73 16 Canopies *(10 73)*

### 10 73 16 13 Metal Canopies *(10 73 16)*

#### 10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished *(10 73 16 13)*

Note: Includes cover, frame supports and anchoring.

| | | | | |
|---|---|---|---|---|
| 10 73 16 13-0002 | EA | 8' x 10' Canopy, Aluminum, Wall Hung | 7,326.46 | 513.89 |
| 10 73 16 13-0003 | EA | 8' x 20' Canopy, Aluminum, Wall Hung | 13,623.90 | 822.42 |
| 10 73 16 13-0004 | EA | 10' x 10' Canopy, Aluminum, Wall Hung | 9,016.43 | 642.98 |
| 10 73 16 13-0005 | EA | 10' x 20' Canopy, Aluminum, Wall Hung | 16,612.34 | 859.80 |

### 10 73 26 Walkway Coverings *(10 73)*

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

### 10 73 26 13 Metal Walkway Coverings *(10 73 26)*

#### 10 73 26 13-0001 Steel Walkway/Parking Covers *(10 73 26 13)*

Note: Factory applied polyester finish.

| | | | | |
|---|---|---|---|---|
| 10 73 26 13-0002 | SF | Flat Roofed Steel Walkway/Parking Cover<br>Note: Includes factory applied polyester finish. | 110.78 | 7.46 |
| | | *For Snow Load (30 PSF), Add* | *38.34* | |
| | | *For Wind Load (140 MPH), Add* | *47.93* | |
| 10 73 26 13-0003 | SF | Arch Roofed Steel Walkway/Parking Cover<br>Note: Includes factory applied polyester finish. | 117.93 | 8.04 |
| | | *For Snow Load (30 PSF), Add* | *40.74* | |
| | | *For Wind Load (140 MPH), Add* | *50.93* | |

#### 10 73 26 13-0004 Aluminum Walkway/Parking Covers *(10 73 26 13)*

| | | | | |
|---|---|---|---|---|
| 10 73 26 13-0005 | SF | Flat Roofed Aluminum Walkway/Parking Cover<br>Note: Includes factory applied polyester finish. | 70.87 | 7.46 |
| | | *For Snow Load (30 PSF), Add* | *22.38* | |
| | | *For Wind Load (140 MPH), Add* | *27.97* | |
| 10 73 26 13-0006 | SF | Arch Roofed Aluminum Walkway/Parking Cover<br>Note: Includes factory applied polyester finish. | 77.11 | 8.04 |
| | | *For Snow Load (30 PSF), Add* | *24.41* | |
| | | *For Wind Load (140 MPH), Add* | *30.52* | |

## 10 75 Flagpoles *(10 70)*

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

### 10 75 16 Ground-Set Flagpoles *(10 75)*

#### 10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*

Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

| | | | | |
|---|---|---|---|---|
| 10 75 16 00-0002 | EA | 25' Exposed Height, Tapered White Fiberglass Flagpole<br>Note: 6" butt diameter, 3" top diameter and 0.180" wall. | 3,775.33 | 888.96 |
| | | *For Internal Halyard, Cam System, Add* | *300.00* | |
| | | *For Bronze Finish, Add* | *20.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0003 | EA | 30' Exposed Height, Tapered White Fiberglass Flagpole<br>Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall. | 4,036.01 | 969.78 |
| | | *For Internal Halyard, Cam System, Add* | *300.00* | |
| | | *For Bronze Finish, Add* | *50.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 75 16 00-0004 | EA | 35' Exposed Height, Tapered White Fiberglass Flagpole<br>Note: 7" butt diameter, 3" top diameter and 0.200" wall. | 5,076.17 | 1,131.40 |
| | | *For Internal Halyard, Cam System, Add* | *300.00* | |
| | | *For Bronze Finish, Add* | *10.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0005 | EA | 40' Exposed Height, Tapered White Fiberglass Flagpole<br>Note: 7" butt diameter, 3" top diameter and 0.200" wall. | 5,889.35 | 1,293.03 |
| | | *For Internal Halyard, Cam System, Add* | *300.00* | |
| | | *For Bronze Finish, Add* | *50.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0006 | EA | 50' Exposed Height, Tapered White Fiberglass Flagpole<br>Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall. | 10,885.46 | 1,454.65 |
| | | *For Internal Halyard, Winch System, Add* | *1,700.00* | |
| | | *For Bronze Finish, Add* | *200.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0007 | EA | 60' Exposed Height, Tapered White Fiberglass Flagpole<br>Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall. | 12,952.44 | 1,616.29 |
| | | *For Internal Halyard, Winch System, Add* | *1,900.00* | |
| | | *For Bronze Finish, Add* | *160.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0008 | EA | 70' Exposed Height, Tapered White Fiberglass Flagpole<br>Note: 16" butt diameter, 7" top diameter and 0.325" wall. | 22,261.18 | 1,777.92 |
| | | *For Internal Halyard, Winch System, Add* | *2,860.00* | |
| | | *For Bronze Finish, Add* | *700.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0009 | EA | 78' Exposed Height, Tapered White Fiberglass Flagpole<br>Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall. | 28,824.54 | 1,939.54 |
| | | *For Internal Halyard, Winch System, Add* | *2,900.00* | |
| | | *For Bronze Finish, Add* | *900.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |

## 10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles *(10 75 16)*

Note: Heavy-duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

| | | | | |
|---|---|---|---|---|
| 10 75 16 00-0011 | EA | 20' Exposed Height, Tapered Satin Aluminum Flagpole<br>Note: 5" butt diameter, 3" top diameter and 0.188" wall. | 2,953.09 | 808.14 |
| | | *For Internal Halyard, Winch System, Add* | *570.00* | |
| | | *For Clear Anodized Finish, Add* | *150.00* | |
| | | *For Bronze Anodized Finish, Add* | *180.00* | |
| | | *For Black Anodized Finish, Add* | *230.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0012 | EA | 25' Exposed Height, Tapered Satin Aluminum Flagpole<br>Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall. | 3,494.90 | 888.96 |
| | | *For Internal Halyard, Winch System, Add* | *1,100.00* | |
| | | *For Clear Anodized Finish, Add* | *200.00* | |
| | | *For Bronze Anodized Finish, Add* | *230.00* | |
| | | *For Black Anodized Finish, Add* | *320.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0013 | EA | 30' Exposed Height, Tapered Satin Aluminum Flagpole<br>Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall. | 3,874.54 | 969.78 |
| | | *For Internal Halyard, Winch System, Add* | *1,390.00* | |
| | | *For Clear Anodized Finish, Add* | *240.00* | |
| | | *For Bronze Anodized Finish, Add* | *290.00* | |
| | | *For Black Anodized Finish, Add* | *400.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0014 | EA | 35' Exposed Height, Tapered Satin Aluminum Flagpole<br>Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. | 4,893.32 | 1,131.40 |
| | | *For Internal Halyard, Winch System, Add* | *1,340.00* | |
| | | *For Clear Anodized Finish, Add* | *290.00* | |
| | | *For Bronze Anodized Finish, Add* | *360.00* | |
| | | *For Black Anodized Finish, Add* | *480.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0015 | EA | 40' Exposed Height, Tapered Satin Aluminum Flagpole<br>Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. | 6,020.20 | 1,293.03 |
| | | *For Internal Halyard, Winch System, Add* | *1,490.00* | |
| | | *For Clear Anodized Finish, Add* | *390.00* | |
| | | *For Bronze Anodized Finish, Add* | *480.00* | |
| | | *For Black Anodized Finish, Add* | *660.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0016 | EA | 45' Exposed Height, Tapered Satin Aluminum Flagpole<br>Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. | 6,648.51 | 1,373.85 |
| | | *For Internal Halyard, Winch System, Add* | *1,340.00* | |
| | | *For Clear Anodized Finish, Add* | *400.00* | |
| | | *For Bronze Anodized Finish, Add* | *500.00* | |
| | | *For Black Anodized Finish, Add* | *700.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0017 | EA | 50' Exposed Height, Tapered Satin Aluminum Flagpole<br>Note: 10" butt diameter, 4" top diameter and 0.188" wall. | 8,282.34 | 1,454.65 |
| | | *For Internal Halyard, Winch System, Add* | *1,380.00* | |
| | | *For Clear Anodized Finish, Add* | *700.00* | |
| | | *For Bronze Anodized Finish, Add* | *860.00* | |
| | | *For Black Anodized Finish, Add* | *1,130.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 75 16 00-0018 | EA | 60' Exposed Height, Tapered Satin Aluminum Flagpole<br>Note: 12" butt diameter, 4" top diameter and 0.250" wall. | 13,961.04 | 1,616.29 |
| | | *For Internal Halyard, Winch System, Add* | *1,800.00* | |
| | | *For Clear Anodized Finish, Add* | *620.00* | |
| | | *For Bronze Anodized Finish, Add* | *820.00* | |
| | | *For Black Anodized Finish, Add* | *1,160.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0019 | EA | 70' Exposed Height, Tapered Satin Aluminum Flagpole<br>Note: 12" butt diameter, 4" top diameter and 0.250" wall. | 15,282.54 | 1,777.92 |
| | | *For Internal Halyard, Winch System, Add* | *1,720.00* | |
| | | *For Clear Anodized Finish, Add* | *710.00* | |
| | | *For Bronze Anodized Finish, Add* | *950.00* | |
| | | *For Black Anodized Finish, Add* | *1,360.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 16 00-0020 | EA | 80' Exposed Height, Tapered Satin Aluminum Flagpole<br>Note: 12" butt diameter, 4" top diameter and 0.375" wall. | 19,036.72 | 1,939.54 |
| | | *For Internal Halyard, Winch System, Add* | *2,600.00* | |
| | | *For Clear Anodized Finish, Add* | *1,100.00* | |
| | | *For Bronze Anodized Finish, Add* | *1,380.00* | |
| | | *For Black Anodized Finish, Add* | *1,840.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |

## 10 75 16 00-0021 Flagpole Bases *(10 75 16)*

## 10 75 16 00-0022 Flagpole Concrete Base *(10 75 16 00-0021)*

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

| | | | | |
|---|---|---|---|---|
| 10 75 16 00-0023 | EA | 30' Or Less Flagpole, Poured Concrete Foundation | 1,775.68 | |
| 10 75 16 00-0024 | EA | 35' Flagpole, Poured Concrete Foundation | 1,836.36 | |
| 10 75 16 00-0025 | EA | 40' Flagpole, Poured Concrete Foundation | 2,108.38 | |
| 10 75 16 00-0026 | EA | 45' Flagpole, Poured Concrete Foundation | 2,231.04 | |
| 10 75 16 00-0027 | EA | 50' Flagpole, Poured Concrete Foundation | 2,677.62 | |
| 10 75 16 00-0028 | EA | 60' Flagpole, Poured Concrete Foundation | 3,243.88 | |
| 10 75 16 00-0029 | EA | 70' Flagpole, Poured Concrete Foundation | 3,840.66 | |
| 10 75 16 00-0030 | EA | 80' Flagpole, Poured Concrete Foundation | 4,466.08 | |
| 10 75 16 00-0031 | EA | 90' To 100' Flagpole, Poured Concrete Foundation | 5,207.74 | |

## 10 75 16 00-0032 Direct Embedded Flagpole Base *(10 75 16 00-0021)*

Note: Augured in place, no concrete required.

| | | | | |
|---|---|---|---|---|
| 10 75 16 00-0033 | EA | 20' To 25' Flagpole, Direct Embedded Pole Base | 784.35 | |
| 10 75 16 00-0034 | EA | 30' To 40' Flagpole, Direct Embedded Pole Base | 1,125.38 | |
| 10 75 16 00-0035 | EA | 45' To 55' Flagpole, Direct Embedded Pole Base | 1,257.41 | |
| 10 75 16 00-0036 | EA | 60' To 70' Flagpole, Direct Embedded Pole Base | 1,414.53 | |

## 10 75 16 00-0037 Flagpole Accessories *(10 75 16)*

## 10 75 16 00-0038 Flagpole Tops *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

| | | | | |
|---|---|---|---|---|
| 10 75 16 00-0039 | EA | 4" Gold Anodized Aluminum Ball For Top Of Flagpole | 124.09 | 46.91 |
| 10 75 16 00-0040 | EA | 5" Gold Anodized Aluminum Ball For Top Of Flagpole | 135.02 | 49.67 |
| 10 75 16 00-0041 | EA | 6" Gold Anodized Aluminum Ball For Top Of Flagpole | 150.27 | 52.43 |
| 10 75 16 00-0042 | EA | 8" Gold Anodized Aluminum Ball For Top Of Flagpole | 192.55 | 55.19 |
| 10 75 16 00-0043 | EA | 10" Gold Anodized Aluminum Ball For Top Of Flagpole | 249.97 | 57.95 |
| 10 75 16 00-0044 | EA | 12" Gold Anodized Aluminum Ball For Top Of Flagpole | 278.19 | 60.71 |
| 10 75 16 00-0045 | EA | 11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish | 255.49 | 60.71 |
| 10 75 16 00-0046 | EA | 15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish | 296.90 | 68.99 |

## 10 75 16 00-0047 Flagpole Accessories *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

| | | | | |
|---|---|---|---|---|
| 10 75 16 00-0048 | LF | 5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles | 1.44 | 0.08 |
| 10 75 16 00-0049 | LF | 5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles | 0.71 | 0.08 |
| 10 75 16 00-0050 | LF | 5/16" Diameter, Nylon Halyard (Rope) For Flagpoles | 0.54 | 0.08 |
| 10 75 16 00-0051 | LF | 3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles | 1.93 | 0.08 |
| 10 75 16 00-0052 | EA | Refinish Existing Flagpole Ball | 401.33 | 137.91 |
| 10 75 16 00-0053 | EA | Locking Aluminum Cleat Box For Flagpoles | 299.63 | 82.75 |
| 10 75 16 00-0054 | EA | Aluminum Cleat For Flagpoles | 24.76 | 5.52 |
| 10 75 16 00-0055 | LF | 1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles | 0.82 | 0.11 |

## 10 75 16 00-0056 Granite Flagpole Base Renovation, Fort Moore Pioneer Memorial Fountation *(10 75 16)*

| | | | | |
|---|---|---|---|---|
| 10 75 16 00-0057 | EA | Remove the front panel, two side granite panels, cap, transport to factory, refinish surfaces and install temporary plywood.<br>Note: Fort Moore Pioneer Memorial Fountation. | 13,975.54 | |
| 10 75 16 00-0058 | EA | Furnish and install new 3/4" thick granite panel for the right side of the pole foundation<br>Note: Fort Moore Pioneer Memorial Fountation | 7,532.16 | |
| 10 75 16 00-0059 | EA | Delivery to jobsite of three re-finished panels and re-install with mechanical attachments, mortar and caulk stone joints<br>Note: Fort Moore Pioneer Memorial Fountation | 10,550.97 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 75 16 00-0060 | EA | Remove and re-finish the existing four (4) granite benches and re-install<br>Note: Fort Moore Pioneer Memorial Fountation | 12,063.57 | |

### 10 75 23 Wall-Mounted Flagpoles *(10 75)*

10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles *(10 75 23)*
Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.

| | | | | |
|---|---|---|---|---|
| 10 75 23 00-0002 | EA | 14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole | 2,034.08 | 708.89 |
| | | *For Clear Anodized Finish, Add* | *60.00* | |
| | | *For Bronze Anodized Finish, Add* | *80.00* | |
| | | *For Black Anodized Finish, Add* | *90.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 23 00-0003 | EA | 17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole | 2,208.29 | 779.79 |
| | | *For Clear Anodized Finish, Add* | *70.00* | |
| | | *For Bronze Anodized Finish, Add* | *80.00* | |
| | | *For Black Anodized Finish, Add* | *100.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 23 00-0004 | EA | 20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole | 2,393.31 | 850.68 |
| | | *For Clear Anodized Finish, Add* | *70.00* | |
| | | *For Bronze Anodized Finish, Add* | *110.00* | |
| | | *For Black Anodized Finish, Add* | *120.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 23 00-0005 | EA | 25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole | 2,774.19 | 992.45 |
| | | *For Clear Anodized Finish, Add* | *70.00* | |
| | | *For Bronze Anodized Finish, Add* | *90.00* | |
| | | *For Black Anodized Finish, Add* | *100.00* | |
| | | *For Rope Lock Box, Add* | *96.00* | |

10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles *(10 75 23)*
Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.

| | | | | |
|---|---|---|---|---|
| 10 75 23 00-0007 | EA | 10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish | 2,616.69 | 638.01 |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 23 00-0008 | EA | 15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish | 2,823.35 | 708.89 |
| | | *For Rope Lock Box, Add* | *96.00* | |
| 10 75 23 00-0009 | EA | 20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish | 3,150.14 | 850.68 |
| | | *For Rope Lock Box, Add* | *96.00* | |

## 10 80 Other Specialties *(10)*

### 10 81 Pest Control Devices *(10 80)*

#### 10 81 13 Bird Control Devices *(10 81)*

10 81 13 00-0001 Stainless Steel Spiked Bird Barrier *(10 81 13)*
Note: Stainless steel spikes with flexible polycarbonate base.

| | | | | |
|---|---|---|---|---|
| 10 81 13 00-0002 | LF | 2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System | 10.61 | 0.89 |
| 10 81 13 00-0003 | LF | 4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System | 12.82 | 0.89 |
| 10 81 13 00-0004 | LF | 8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System | 19.00 | 0.89 |

10 81 13 00-0005 Polycarbonate Spiked Bird Barrier *(10 81 13)*
Note: Polycarbonate spikes and base.

| | | | | |
|---|---|---|---|---|
| 10 81 13 00-0006 | LF | 3" Wide Polycarbonate Spikes And Base Bird Deterrent System | 9.77 | 0.89 |
| 10 81 13 00-0007 | LF | 5" Wide Polycarbonate Spikes And Base Bird Deterrent System | 11.85 | 0.89 |
| 10 81 13 00-0008 | LF | 8" Wide Polycarbonate Spikes And Base Bird Deterrent System | 14.11 | 0.89 |

10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier *(10 81 13)*
Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.

| | | | | |
|---|---|---|---|---|
| 10 81 13 00-0010 | LF | Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application | 11.38 | 0.89 |

10 81 13 00-0011 Coil Bird Barrier *(10 81 13)*
Note: Stainless steel coil.

| | | | | |
|---|---|---|---|---|
| 10 81 13 00-0012 | LF | 4" Diameter Stainless Steel Coil Bird Deterrent System | 7.84 | 0.89 |
| 10 81 13 00-0013 | LF | 5" Diameter Stainless Steel Coil Bird Deterrent System | 9.34 | 0.89 |

10 81 13 00-0014 Spider Bird Barrier *(10 81 13)*
Note: Stainless steel arms with various bases.

| | | | | |
|---|---|---|---|---|
| 10 81 13 00-0015 | EA | 2' Diameter Stainless Steel Spider Bird Deterrent System | 132.54 | 0.89 |
| 10 81 13 00-0016 | EA | 4' Diameter Stainless Steel Spider Bird Deterrent System | 197.16 | 0.89 |
| 10 81 13 00-0017 | EA | 8' Diameter Stainless Steel Spider Bird Deterrent System | 249.96 | 0.89 |

10 81 13 00-0018 Oriented Flexible Flame Resistant Netting *(10 81 13)*
Note: Includes stainless steel rings and plastic ties.

| | | | | |
|---|---|---|---|---|
| 10 81 13 00-0019 | SF | 1/8" x 1/8" Mesh Flexible Polypropylene Netting<br>Note: To control bird and marine predators. | 1.10 | 0.40 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 81 13 00-0020 | SF | 1/4" x 1/4" Mesh Flexible Polypropylene Netting<br>Note: To control bird and marine predators. | 1.06 | 0.40 |
| 10 81 13 00-0021 | SF | 1/2" x 1/2" Mesh Flexible Polypropylene Netting<br>Note: To control bird and marine predators. | 1.02 | 0.40 |
| 10 81 13 00-0022 | SF | 3/4" x 3/4" Mesh Flexible Polypropylene Netting<br>Note: To control bird and marine predators. | 0.99 | 0.40 |
| 10 81 13 00-0023 | SF | 1" x 1" Mesh Flexible Polypropylene Netting<br>Note: To control bird and marine predators. | 0.99 | 0.40 |
| 10 81 13 00-0024 | SF | 1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting<br>Note: To control bird and marine predators. | 0.97 | 0.40 |
| 10 81 13 00-0025 | SF | 2" x 2" Mesh Flexible Polypropylene Netting<br>Note: To control bird and marine predators. | 0.94 | 0.40 |
| 10 81 13 00-0026 | SF | 3" x 3" Mesh Flexible Polypropylene Netting<br>Note: To control bird and marine predators. | 0.94 | 0.40 |
| 10 81 13 00-0027 | SF | 4" x 4" Mesh Flexible Polypropylene Netting<br>Note: To control bird and marine predators. | 0.91 | 0.40 |
| 10 81 13 00-0028 | SF | 5/8" x 3/4" Mesh Flexible Polypropylene Netting<br>Note: To control bird and marine predators. | 1.00 | 0.40 |
| 10 81 13 00-0029 | SF | 1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting<br>Note: To control bird and marine predators. | 0.96 | 0.40 |
| 10 81 13 00-0030 | EA | Poly Clips For Flexible Netting | 3.40 | |

### 10 81 13 00-0031 Netting Accessories *(10 81 13)*

| | | | | |
|---|---|---|---|---|
| 10 81 13 00-0032 | EA | 2' Zipper For Flexible Netting | 9.40 | |
| 10 81 13 00-0033 | EA | 4' Zipper For Flexible Netting | 14.16 | |
| 10 81 13 00-0034 | EA | 6' Zipper For Flexible Netting | 16.66 | |
| 10 81 13 00-0035 | EA | 8' Zipper For Flexible Netting | 23.68 | |

## 10 81 16 Insect Control Devices *(10 81)*

### 10 81 16 00-0001 Insect Screening *(10 81 16)*

| | | | | |
|---|---|---|---|---|
| 10 81 16 00-0002 | CSF | 17/14 Mesh Insect Screening With Flat Screen Splines | 145.04 | |

# 10 86 Security Mirrors And Domes *(10 80)*

### 10 86 00 00-0001 Security Mirrors *(10 86)*

| | | | | |
|---|---|---|---|---|
| 10 86 00 00-0002 | EA | 8" x 10" Framed Stainless Steel Mirror With Mounting Plate | 109.68 | 35.20 |
| 10 86 00 00-0003 | EA | 10" x 14" Framed Stainless Steel Mirror With Mounting Plate | 121.03 | 35.20 |
| 10 86 00 00-0004 | EA | 16" x 20" Unframed Stainless Steel Mirror With Mounting Screws | 209.49 | 29.34 |
| 10 86 00 00-0005 | EA | 8" x 10" Framed Stainless Steel Replacement Mirror | 94.66 | 35.20 |
| 10 86 00 00-0006 | EA | 10" x 14" Framed Stainless Steel Replacement Mirror | 140.34 | 35.20 |

### 10 86 00 00-0007 Dome Mirrors *(10 86)*

Note: Includes all mounting hardware. Indoor or outdoor applications.

### 10 86 00 00-0008 Steel Dome Mirrors *(10 86 00 00-0007)*

| | | | | |
|---|---|---|---|---|
| 10 86 00 00-0009 | EA | 9" Diameter Full-Dome Steel Dome Mirror | 317.87 | 22.07 |
| 10 86 00 00-0010 | EA | 12" Diameter Full-Dome Steel Dome Mirror | 374.83 | 23.18 |
| 10 86 00 00-0011 | EA | 18" Diameter Full-Dome Steel Dome Mirror | 433.98 | 25.39 |
| 10 86 00 00-0012 | EA | 24" Diameter Full-Dome Steel Dome Mirror | 581.21 | 27.59 |
| 10 86 00 00-0013 | EA | 9" Diameter Half-Dome Steel Dome Mirror | 227.33 | 16.56 |
| 10 86 00 00-0014 | EA | 12" Diameter Half-Dome Steel Dome Mirror | 262.88 | 17.66 |
| 10 86 00 00-0015 | EA | 18" Diameter Half-Dome Steel Dome Mirror | 307.59 | 19.31 |
| 10 86 00 00-0016 | EA | 24" Diameter Half-Dome Steel Dome Mirror | 429.91 | 20.98 |

### 10 86 00 00-0017 Plexiglas Dome Mirrors *(10 86 00 00-0007)*

| | | | | |
|---|---|---|---|---|
| 10 86 00 00-0018 | EA | 18" Diameter Full-Dome Plexiglas Dome Mirror | 244.76 | 25.39 |
| 10 86 00 00-0019 | EA | 26" Diameter Full-Dome Plexiglas Dome Mirror | 347.95 | 27.59 |
| 10 86 00 00-0020 | EA | 32" Diameter Full-Dome Plexiglas Dome Mirror | 461.51 | 32.01 |
| 10 86 00 00-0021 | EA | 36" Diameter Full-Dome Plexiglas Dome Mirror | 558.07 | 38.63 |
| 10 86 00 00-0022 | EA | 48" Diameter Full-Dome Plexiglas Dome Mirror | 814.92 | 55.19 |
| 10 86 00 00-0023 | EA | 18" Diameter Half-Dome Plexiglas Dome Mirror | 148.83 | 19.31 |
| 10 86 00 00-0024 | EA | 26" Diameter Half-Dome Plexiglas Dome Mirror | 202.13 | 20.98 |
| 10 86 00 00-0025 | EA | 32" Diameter Half-Dome Plexiglas Dome Mirror | 267.31 | 24.28 |
| 10 86 00 00-0026 | EA | 36" Diameter Half-Dome Plexiglas Dome Mirror | 329.84 | 29.25 |
| 10 86 00 00-0027 | EA | 48" Diameter Half-Dome Plexiglas Dome Mirror | 525.51 | 41.39 |
| 10 86 00 00-0028 | EA | 18" Diameter Quarter-Dome Plexiglas Dome Mirror | 95.00 | 16.56 |
| 10 86 00 00-0029 | EA | 26" Diameter Quarter-Dome Plexiglas Dome Mirror | 122.82 | 18.22 |
| 10 86 00 00-0030 | EA | 32" Diameter Quarter-Dome Plexiglas Dome Mirror | 162.47 | 20.42 |
| 10 86 00 00-0031 | EA | 36" Diameter Quarter-Dome Plexiglas Dome Mirror | 202.81 | 24.28 |
| 10 86 00 00-0032 | EA | 48" Diameter Quarter-Dome Plexiglas Dome Mirror | 337.95 | 34.49 |

### 10 86 00 00-0033 Coated Plexiglas Dome Mirrors *(10 86 00 00-0007)*

| | | | | |
|---|---|---|---|---|
| 10 86 00 00-0034 | EA | 18" Diameter Full-Dome Coated Plexiglas Dome Mirror | 293.55 | 25.39 |
| 10 86 00 00-0035 | EA | 26" Diameter Full-Dome Coated Plexiglas Dome Mirror | 457.44 | 27.59 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 10 86 00 00-0036 | EA | 36" Diameter Full-Dome Coated Plexiglas Dome Mirror | 777.05 | 38.63 |
| 10 86 00 00-0037 | EA | 48" Diameter Full-Dome Coated Plexiglas Dome Mirror | 1,198.13 | 55.19 |
| 10 86 00 00-0038 | EA | 18" Diameter Half-Dome Coated Plexiglas Dome Mirror | 189.77 | 19.31 |
| 10 86 00 00-0039 | EA | 26" Diameter Half-Dome Coated Plexiglas Dome Mirror | 284.72 | 20.98 |
| 10 86 00 00-0040 | EA | 36" Diameter Half-Dome Coated Plexiglas Dome Mirror | 451.23 | 29.25 |
| 10 86 00 00-0041 | EA | 48" Diameter Half-Dome Coated Plexiglas Dome Mirror | 749.25 | 41.39 |
| 10 86 00 00-0042 | EA | 18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror | 137.12 | 16.56 |
| 10 86 00 00-0043 | EA | 26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror | 193.75 | 18.22 |
| 10 86 00 00-0044 | EA | 32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror | 251.96 | 20.42 |
| 10 86 00 00-0045 | EA | 36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror | 324.67 | 24.28 |
| 10 86 00 00-0046 | EA | 48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror | 509.33 | 34.49 |

### 10 86 00 00-0047 Circular Convex Security Mirrors *(10 86)*

Note: Includes all mounting hardware.

### 10 86 00 00-0048 Plexiglas Circular Convex Mirrors *(10 86 00 00-0047)*

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

| | | | | |
|---|---|---|---|---|
| 10 86 00 00-0049 | EA | 12" Diameter Plexiglas Circular Convex Mirrors, Indoor | 101.98 | 17.66 |
| 10 86 00 00-0050 | EA | 18" Diameter Plexiglas Circular Convex Mirrors, Indoor | 133.60 | 19.31 |
| 10 86 00 00-0051 | EA | 26" Diameter Plexiglas Circular Convex Mirrors, Indoor | 204.75 | 20.98 |
| 10 86 00 00-0052 | EA | 30" Diameter Plexiglas Circular Convex Mirrors, Indoor | 256.36 | 24.28 |
| 10 86 00 00-0053 | EA | 36" Diameter Plexiglas Circular Convex Mirrors, Indoor | 341.74 | 29.25 |
| 10 86 00 00-0054 | EA | 48" Diameter Plexiglas Circular Convex Mirrors, Indoor | 606.43 | 41.39 |
| 10 86 00 00-0055 | EA | 18" Diameter Plexiglas Circular Convex Mirrors, Outdoor | 173.83 | 19.31 |
| 10 86 00 00-0056 | EA | 26" Diameter Plexiglas Circular Convex Mirrors, Outdoor | 252.35 | 20.98 |
| 10 86 00 00-0057 | EA | 36" Diameter Plexiglas Circular Convex Mirrors, Outdoor | 360.79 | 29.25 |
| 10 86 00 00-0058 | EA | 48" Diameter Plexiglas Circular Convex Mirrors, Outdoor | 663.56 | 41.39 |

### 10 86 00 00-0059 Coated Plexiglas Circular Convex Mirrors *(10 86 00 00-0047)*

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

| | | | | |
|---|---|---|---|---|
| 10 86 00 00-0060 | EA | 18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor | 210.96 | 19.31 |
| 10 86 00 00-0061 | EA | 26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor | 334.70 | 20.98 |
| 10 86 00 00-0062 | EA | 30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor | 450.82 | 24.28 |
| 10 86 00 00-0063 | EA | 36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor | 563.10 | 29.25 |
| 10 86 00 00-0064 | EA | 48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor | 818.27 | 41.39 |
| 10 86 00 00-0065 | EA | 18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor | 254.51 | 19.31 |
| 10 86 00 00-0066 | EA | 26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor | 396.59 | 20.98 |
| 10 86 00 00-0067 | EA | 30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor | 553.17 | 24.28 |
| 10 86 00 00-0068 | EA | 36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor | 624.99 | 29.25 |
| 10 86 00 00-0069 | EA | 48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor | 992.03 | 41.39 |

**END OF SECTION 10**


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 21 Fire Suppression

## 21 01 Operation and Maintenance of Fire Suppression *(21)*

### 21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems *(21 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

#### 21 01 10 91 Water-Based Fire-Suppression Systems Restoration *(21 01 10)*

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping *(21 01 10 91)*

See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).

| | | | |
|---|---|---|---|
| 21 01 10 91-0002 | EA | Relocate 1 Existing Sprinkler Head And Branch Piping<br>Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location. | 581.91 |
| 21 01 10 91-0003 | EA | Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping<br>Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location. | 349.15 |
| 21 01 10 91-0004 | EA | Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping<br>Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location. | 139.66 |
| 21 01 10 91-0005 | EA | Relocate >10 Existing Sprinkler Heads And Branch Piping<br>Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location. | 69.83 |

21 01 10 91-0006 Purge And Refill System Sprinkler Piping *(21 01 10 91)*

Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.

| | | | |
|---|---|---|---|
| 21 01 10 91-0007 | EA | Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades) | 385.31 |
| 21 01 10 91-0008 | EA | >100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades) | 550.29 |
| 21 01 10 91-0009 | EA | >250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades) | 659.36 |
| 21 01 10 91-0010 | EA | >500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades) | 824.20 |
| 21 01 10 91-0011 | EA | >1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades) | 1,071.46 |
| 21 01 10 91-0012 | LF | >2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades) | 0.53 |
| 21 01 10 91-0013 | EA | Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) | 539.43 |
| 21 01 10 91-0014 | EA | >100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) | 770.42 |
| 21 01 10 91-0015 | EA | >250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) | 923.10 |
| 21 01 10 91-0016 | EA | >500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) | 1,153.87 |
| 21 01 10 91-0017 | EA | >1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) | 1,500.04 |
| 21 01 10 91-0018 | LF | >2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) | 0.75 |
| 21 01 10 91-0019 | EA | Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) | 741.71 |
| 21 01 10 91-0020 | EA | >100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) | 1,059.32 |
| 21 01 10 91-0021 | EA | >250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) | 1,269.27 |
| 21 01 10 91-0022 | EA | >500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) | 1,586.58 |
| 21 01 10 91-0023 | EA | >1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) | 2,062.55 |
| 21 01 10 91-0024 | LF | >2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades) | 1.03 |
| 21 01 10 91-0025 | EA | Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades) | 1,001.32 |
| 21 01 10 91-0026 | EA | >100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades) | 1,430.07 |
| 21 01 10 91-0027 | EA | >250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades) | 1,518.21 |
| 21 01 10 91-0028 | EA | >500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades) | 1,897.75 |
| 21 01 10 91-0029 | EA | >1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades) | 2,467.09 |
| 21 01 10 91-0030 | LF | >2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades) | 1.23 |

### 21 01 30 Operation and Maintenance of Fire-Suppression Equipment *(21 01)*

#### 21 01 30 91 Fire-Suppression Equipment Restoration *(21 01 30)*

21 01 30 91-0001 Inspection And Recharge *(21 01 30 91)*

| | | | |
|---|---|---|---|
| 21 01 30 91-0002 | EA | Inspection, CO2, Carbon Dioxide | 250.22 |
| 21 01 30 91-0003 | LB | Refill/Recharge, CO2, Carbon Dioxide | 3.00 |
| 21 01 30 91-0004 | EA | Inspection, Halon 1301 | 250.22 |
| 21 01 30 91-0005 | LB | Refill/Recharge, Halon 1301 | 71.96 |
| 21 01 30 91-0006 | EA | Inspection, WC, Wet Chemical | 151.30 |
| 21 01 30 91-0007 | GAL | Refill/Recharge, WC, Wet Chemical | 67.46 |
| 21 01 30 91-0008 | EA | Inspection, DC, Dry Chemical | 151.30 |
| 21 01 30 91-0009 | LB | Refill/Recharge, DC, Dry Chemical | 6.00 |
| 21 01 30 91-0010 | EA | Hydrostatic Testing, All Sizes, All Agents<br>See CSI section 23 05 93 00-0048 for testing existing piping systems. | 46.56 |
| 21 01 30 91-0011 | EA | Disarm/Arm System | 81.47 |

## 21 05 Common Work Results for Fire Suppression *(21)*

### 21 05 13 Common Motor Requirements for Fire-Suppression Equipment *(21 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

### 21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.


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| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

## 21 05 19 Meters and Gages for Fire-Suppression Systems *(21 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

### 21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge *(21 05 19)*

| | | | | |
|---|---|---|---|---|
| 21 05 19 00-0002 | EA | 2" Diameter Dial, 0-200 PSI, Water Pressure Gauge<br>Note: For fire sprinkler systems | 50.31 | 13.42 |
| 21 05 19 00-0003 | EA | 2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge<br>Note: For fire sprinkler systems | 52.24 | 13.42 |
| 21 05 19 00-0004 | EA | 3" Diameter Dial, 0-300 PSI, Water Pressure Gauge<br>Note: For fire sprinkler systems | 61.24 | 13.42 |
| 21 05 19 00-0005 | EA | 3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge<br>Note: For fire sprinkler systems | 64.94 | 13.42 |
| 21 05 19 00-0006 | EA | 4" Diameter Dial, 0-300 PSI, Water Pressure Gauge<br>Note: For fire sprinkler systems | 68.64 | 13.42 |

### 21 05 19 00-0007 Fire Service Meter Cast Iron Housing *(21 05 19)*

| | | | | |
|---|---|---|---|---|
| 21 05 19 00-0008 | EA | 3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing | 9,910.90 | 183.25 |
| | | *For >10 To 25, Deduct* | *-495.55* | |
| | | *For >25, Deduct* | *-1,463.70* | |
| 21 05 19 00-0009 | EA | 4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing | 20,274.87 | 307.20 |
| | | *For >10 To 25, Deduct* | *-1,013.74* | |
| | | *For >25, Deduct* | *-3,002.73* | |
| 21 05 19 00-0010 | EA | 6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing | 27,465.89 | 457.85 |
| | | *For >10 To 25, Deduct* | *-1,373.29* | |
| | | *For >25, Deduct* | *-4,062.45* | |
| 21 05 19 00-0011 | EA | 8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing | 35,837.11 | 585.03 |
| | | *For >10 To 25, Deduct* | *-1,791.86* | |
| | | *For >25, Deduct* | *-5,302.89* | |
| 21 05 19 00-0012 | EA | 10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing | 50,576.67 | 712.21 |
| | | *For >10 To 25, Deduct* | *-2,528.83* | |
| | | *For >25, Deduct* | *-7,497.47* | |

## 21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping *(21 05)*

See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

### 21 05 23 00-0001 Globe Valves *(21 05 23)*

### 21 05 23 00-0002 Threaded, 125 Lb., Bronze Body, Angle Globe Valves *(21 05 23 00-0001)*

Note: Non-rising stem

| | | | | |
|---|---|---|---|---|
| 21 05 23 00-0003 | EA | 1/2" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD) | 64.85 | 11.71 |
| 21 05 23 00-0004 | EA | 3/4" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD) | 82.53 | 12.29 |
| 21 05 23 00-0005 | EA | 1" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD) | 113.96 | 12.29 |
| 21 05 23 00-0006 | EA | 1-1/4" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD) | 172.10 | 15.57 |
| 21 05 23 00-0007 | EA | 1-1/2" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD | 202.61 | 18.02 |
| 21 05 23 00-0008 | EA | 2" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD) | 240.03 | 21.30 |

### 21 05 23 00-0009 Butterfly Valves *(21 05 23)*

### 21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves *(21 05 23 00-0009)*

| | | | | |
|---|---|---|---|---|
| 21 05 23 00-0011 | EA | 2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N) | 524.60 | 19.08 |
| 21 05 23 00-0012 | EA | 3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N) | 576.19 | 22.86 |
| 21 05 23 00-0013 | EA | 4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N) | 604.03 | 30.08 |
| 21 05 23 00-0014 | EA | 6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N) | 857.66 | 49.26 |
| 21 05 23 00-0015 | EA | 8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N) | 1,234.67 | 69.31 |

### 21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves *(21 05 23 00-0009)*

| | | | | |
|---|---|---|---|---|
| 21 05 23 00-0017 | EA | 2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) | 527.05 | 15.41 |
| 21 05 23 00-0018 | EA | 2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) | 536.60 | 19.08 |
| 21 05 23 00-0019 | EA | 3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) | 592.19 | 22.86 |
| 21 05 23 00-0020 | EA | 4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) | 614.02 | 30.08 |
| 21 05 23 00-0021 | EA | 6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) | 855.66 | 49.26 |
| 21 05 23 00-0022 | EA | 8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) | 1,272.66 | 69.31 |
| 21 05 23 00-0023 | EA | 10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510) | 1,971.14 | 93.67 |

### 21 05 23 00-0024 Check Valves *(21 05 23)*

### 21 05 23 00-0025 Bronze Body, Threaded, 150 Lb., Swing Check Valves *(21 05 23 00-0024)*

| | | | | |
|---|---|---|---|---|
| 21 05 23 00-0026 | EA | 1/2" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y) | 232.04 | 11.71 |
| 21 05 23 00-0027 | EA | 3/4" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y) | 273.90 | 12.29 |
| 21 05 23 00-0028 | EA | 1" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y) | 374.92 | 12.29 |
| 21 05 23 00-0029 | EA | 1-1/4" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y) | 499.44 | 15.57 |
| 21 05 23 00-0030 | EA | 1-1/2" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y) | 655.10 | 18.02 |
| 21 05 23 00-0031 | EA | 2" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y) | 957.42 | 21.30 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **21 05 23 00-0032** | | **Flanged, Iron Body, Bronze Trim, Swing Check Valves** *(21 05 23 00-0024)* | | |
| 21 05 23 00-0033 | EA | 2-1/2" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126) | 1,236.17 | 156.29 |
| 21 05 23 00-0034 | EA | 3" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126) | 1,401.92 | 183.25 |
| 21 05 23 00-0035 | EA | 4" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126) | 1,940.05 | 307.20 |
| 21 05 23 00-0036 | EA | 6" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126) | 2,961.81 | 380.02 |
| 21 05 23 00-0037 | EA | 8" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126) | 4,741.88 | 485.58 |
| 21 05 23 00-0038 | EA | 10" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126) | 7,563.81 | 591.14 |
| 21 05 23 00-0039 | EA | 12" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126) | 10,598.64 | 717.80 |
| **21 05 23 00-0040** | | **Iron Body Wafer Type Check Valve** *(21 05 23 00-0024)* | | |
| 21 05 23 00-0041 | EA | 2-1/2" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W) | 954.56 | 156.38 |
| 21 05 23 00-0042 | EA | 3" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W) | 1,098.68 | 183.35 |
| 21 05 23 00-0043 | EA | 4" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W) | 1,279.57 | 307.37 |
| 21 05 23 00-0044 | EA | 6" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W) | 2,118.24 | 431.40 |
| 21 05 23 00-0045 | EA | 8" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W) | 3,163.50 | 496.11 |
| 21 05 23 00-0046 | EA | 10" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W) | 4,667.39 | 53.93 |
| 21 05 23 00-0047 | EA | 12" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W) | 6,407.09 | 733.37 |
| **21 05 23 00-0048** | | **Grooved End, Check Valves** *(21 05 23 00-0024)* | | |
| 21 05 23 00-0049 | EA | 2-1/2" Check Valve, Grooved (Victaulic FireLock® 717) | 465.68 | 19.40 |
| 21 05 23 00-0050 | EA | 3" Check Valve, Grooved (Victaulic FireLock® 717) | 470.92 | 22.96 |
| 21 05 23 00-0051 | EA | 4" Check Valve, Grooved (Victaulic FireLock® 717) | 499.35 | 30.18 |
| 21 05 23 00-0052 | EA | 6" Check Valve, Grooved (Victaulic FireLock® 717) | 1,487.69 | 49.26 |
| 21 05 23 00-0053 | EA | 8" Check Valve, Grooved (Victaulic FireLock® 717) | 2,066.96 | 69.31 |
| **21 05 23 00-0054** | | **Gate Valves** *(21 05 23)* | | |
| **21 05 23 00-0055** | | **Threaded, Bronze Gate Valves** *(21 05 23 00-0054)*<br>Note: Class 175 | | |
| 21 05 23 00-0056 | EA | 1" Threaded, Bronze Gate Valve (Crane 459) | 725.39 | 14.63 |
| 21 05 23 00-0057 | EA | 1-1/4" Threaded, Bronze Gate Valve (Crane 459) | 886.75 | 15.57 |
| 21 05 23 00-0058 | EA | 1-1/2" Threaded, Bronze Gate Valve (Crane 459) | 1,055.13 | 18.02 |
| 21 05 23 00-0059 | EA | 2" Threaded, Bronze Gate Valve (Crane 459) | 1,316.75 | 21.30 |
| **21 05 23 00-0060** | | **Flanged, Cast Iron Body, Bronze Trim Gate Valves** *(21 05 23 00-0054)*<br>Note: Class 175 | | |
| 21 05 23 00-0061 | EA | 2-1/2" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) | 1,708.45 | 156.29 |
| 21 05 23 00-0062 | EA | 3" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) | 2,013.23 | 183.25 |
| 21 05 23 00-0063 | EA | 4" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) | 2,779.09 | 307.20 |
| 21 05 23 00-0064 | EA | 6" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) | 4,201.75 | 380.02 |
| 21 05 23 00-0065 | EA | 8" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) | 6,245.02 | 485.58 |
| 21 05 23 00-0066 | EA | 10" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) | 11,573.31 | 591.14 |
| 21 05 23 00-0067 | EA | 12" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467) | 15,792.00 | 717.80 |
| **21 05 23 00-0068** | | **Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves** *(21 05 23 00-0054)*<br>Note: Class 175 | | |
| 21 05 23 00-0069 | EA | 2-1/2" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) | 3,004.40 | 156.29 |
| 21 05 23 00-0070 | EA | 3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) | 3,499.28 | 183.25 |
| 21 05 23 00-0071 | EA | 4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) | 4,131.17 | 307.20 |
| 21 05 23 00-0072 | EA | 6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) | 5,342.37 | 380.02 |
| 21 05 23 00-0073 | EA | 8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) | 8,036.67 | 485.58 |
| 21 05 23 00-0074 | EA | 10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) | 11,687.83 | 591.14 |
| 21 05 23 00-0075 | EA | 12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136) | 15,151.33 | 717.80 |
| **21 05 23 00-0076** | | **Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves** *(21 05 23 00-0054)*<br>Note: Class 250. Square operating nut actuation type. | | |
| 21 05 23 00-0077 | EA | 3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100) | 2,799.63 | 183.25 |
| 21 05 23 00-0078 | EA | 4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100) | 3,456.06 | 307.20 |
| 21 05 23 00-0079 | EA | 6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100) | 4,453.69 | 380.02 |
| 21 05 23 00-0080 | EA | 8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100) | 6,789.58 | 485.58 |
| 21 05 23 00-0081 | EA | 10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100) | 10,354.81 | 591.14 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 05 23 00-0082 | EA | 12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100) | 13,049.93 | 717.80 |
| 21 05 23 00-0083 | | Ball Valves *(21 05 23)* | | |
| 21 05 23 00-0084 | | Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) *(21 05 23 00-0083)* | | |
| 21 05 23 00-0085 | EA | 1" Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) | 469.33 | 14.63 |
| 21 05 23 00-0086 | EA | 1-1/4" Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) | 511.75 | 15.57 |
| 21 05 23 00-0087 | EA | 1-1/2" Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) | 605.16 | 18.02 |
| 21 05 23 00-0088 | EA | 2" Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) | 728.25 | 21.30 |
| 21 05 23 00-0089 | | TESTanDRAIN® Valve *(21 05 23)* | | |
| 21 05 23 00-0090 | EA | 1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600) | 245.27 | 15.47 |
| 21 05 23 00-0091 | EA | 1" Threaded TESTanDRAIN® Valve (AGF 1000) | 276.99 | 18.69 |
| 21 05 23 00-0092 | EA | 1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000) | 338.63 | 23.63 |
| 21 05 23 00-0093 | EA | 1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000) | 529.02 | 27.28 |
| 21 05 23 00-0094 | EA | 2" Threaded TESTanDRAIN® Valve (AGF 1000) | 555.92 | 32.22 |
| 21 05 23 00-0095 | EA | 1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011) | 389.69 | 18.69 |
| 21 05 23 00-0096 | EA | 1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011) | 450.24 | 23.63 |
| 21 05 23 00-0097 | EA | 1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011) | 644.02 | 27.28 |
| 21 05 23 00-0098 | EA | 2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011) | 673.98 | 32.22 |
| 21 05 23 00-0099 | | Air Release Valves For Wet Fire Sprinkler Systems *(21 05 23)* | | |
| 21 05 23 00-0100 | EA | 1/2" NPT, Automatic Air Vent Assembly For Wet Fire Sprinkler Systems (Tyco TAV-W) | 1,324.95 | 35.13 |
| 21 05 23 00-0101 | EA | 1/2" NPT, Automatic Air Vent For Wet Fire Sprinkler Systems (Potter PAV) | 463.01 | 35.13 |
| 21 05 23 00-0102 | EA | 1/2" NPT, Automatic Float Type Air Release Valve With Shutoff Valve, Strainer, Unions, And Containment Pan (Potter PAAR-B) | 1,308.71 | 52.70 |
| 21 05 23 00-0103 | EA | 1" NPT x Hose Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7900AAV) | 496.08 | 35.13 |
| 21 05 23 00-0104 | EA | 2" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-20) | 1,005.99 | 57.97 |
| 21 05 23 00-0105 | EA | 2-1/2" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-25) | 1,080.17 | 80.51 |
| 21 05 23 00-0106 | EA | 3" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-30) | 1,133.04 | 90.17 |
| 21 05 23 00-0107 | EA | 4" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-40) | 1,160.43 | 96.61 |
| 21 05 23 00-0108 | EA | 1/2" PURGEnVENT Manual Air Vent Valve For Wet Fire Sprinkler Systems (AGF Manufacturing 7910MAV) | 109.45 | 39.23 |

## 21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

## 21 05 33 Heat Tracing for Fire-Suppression Piping *(21 05)*

See CSI section 23 83 13 13-0000 for heat tracing cables.

## 21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment *(21 05)*

### 21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment *(21 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

## 21 05 53 Identification for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 53 00-0000 for identification.

# 21 07 Fire-Suppression Systems Insulation *(21)*

## 21 07 16 Fire-Suppression Equipment Insulation *(21 07)*

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

## 21 07 19 Fire-Suppression Piping Insulation *(21 07)*

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

# 21 10 Water-Based Fire-Suppression Systems *(21)*

See CSI section 22 11 16 00-0383 for copper pipe, 22 11 16 00-0929 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

## 21 11 Facility Fire-Suppression Water-Service Piping *(21 10)*

### 21 11 19 Fire-Department Connections *(21 11)*

| | | | | |
|---|---|---|---|---|
| 21 11 19 00-0001 | | Fire Department Connections *(21 11 19)* | | |
| 21 11 19 00-0002 | EA | 4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass | 1,071.04 | 345.88 |
| | | *For Polished Chrome, Add* | *68.38* | |
| 21 11 19 00-0003 | EA | 6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass | 1,492.65 | 432.36 |
| | | *For Polished Chrome, Add* | *104.67* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 11 19 00-0004 | EA | 4" x 3" x 3" Siamese Connection, Polished Brass | 1,584.82 | 345.88 |
| | | *For Polished Chrome, Add* | *132.58* | |
| 21 11 19 00-0005 | EA | 6" x 3" x 3" Siamese Connection, Polished Brass | 2,095.53 | 432.36 |
| | | *For Polished Chrome, Add* | *180.03* | |
| 21 11 19 00-0006 | EA | 6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass | 2,242.90 | 432.36 |
| | | *For Polished Chrome, Add* | *198.45* | |
| 21 11 19 00-0007 | EA | Sidewalk Type Connection With Plug And Chain, Polished Brass | 1,917.38 | 457.59 |
| | | *For Polished Chrome, Add* | *153.05* | |
| 21 11 19 00-0008 | EA | Wall Type Connection With Plug And Chain, Polished Brass | 1,226.49 | 345.88 |
| | | *For Polished Chrome, Add* | *87.81* | |

### 21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated *(21 11 19)*

See CSI section 33 14 19 00-0001 for adjustable indicator post accessory for ground valves.

| | | | | |
|---|---|---|---|---|
| 21 11 19 00-0010 | EA | Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773) | 2,984.85 | 307.20 |

### 21 11 19 00-0011 Upright Indicator Post, Wheel Operated *(21 11 19)*

| | | | | |
|---|---|---|---|---|
| 21 11 19 00-0012 | EA | Upright Indicator Post With Flange For Valve (Victaulic 774) | 7,197.49 | 307.20 |

## 21 12 Fire-Suppression Standpipes *(21 10)*

See CSI section 23 21 13 23-0000 for black steel pipe.

### 21 12 13 Fire-Suppression Hoses and Nozzles *(21 12)*

### 21 12 13 00-0001 Fire Hose *(21 12 13)*

### 21 12 13 00-0002 Fire Hose Without Couplings *(21 12 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 12 13 00-0003 | LF | 1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings | 2.95 | 2.33 |
| 21 12 13 00-0004 | LF | 2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings | 3.42 | 2.33 |
| 21 12 13 00-0005 | LF | 2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings | 3.12 | 2.33 |
| 21 12 13 00-0006 | LF | 3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings | 3.64 | 2.33 |
| 21 12 13 00-0007 | LF | 1-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings | 3.27 | 2.33 |
| 21 12 13 00-0008 | LF | 2-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings | 4.00 | 2.33 |
| 21 12 13 00-0009 | LF | 1-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings | 3.36 | 2.33 |
| 21 12 13 00-0010 | LF | 2-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings | 4.20 | 2.33 |

### 21 12 13 00-0011 Fire Hose With Aluminum Couplings *(21 12 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 12 13 00-0012 | LF | 1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings | 8.39 | 1.28 |
| 21 12 13 00-0013 | LF | 2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings | 10.54 | 1.51 |
| 21 12 13 00-0014 | LF | 3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings | 18.22 | 1.51 |

### 21 12 13 00-0015 Fire Hose Accessories *(21 12 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 12 13 00-0016 | EA | Hose Coupling With 1-1/2" Pin Lug | 203.66 | 38.41 |
| 21 12 13 00-0017 | EA | Hose Coupling With 2-1/2" Pin Lug | 315.93 | 43.06 |
| 21 12 13 00-0018 | EA | 1-1/2" x 10" Brass Straight Nozzle | 96.39 | 30.26 |
| 21 12 13 00-0019 | EA | 2-1/2" x 12" Brass Straight Nozzle | 189.67 | 30.26 |
| 21 12 13 00-0020 | EA | 1-1/2" Brass Fog Type Nozzle | 150.86 | 30.26 |
| 21 12 13 00-0021 | EA | 2-1/2" Brass Fog Type Nozzle | 216.32 | 30.26 |
| 21 12 13 00-0022 | EA | 1-1/2" Brass 100' Hose Rack | 333.04 | 128.02 |
| 21 12 13 00-0023 | EA | 2-1/2" Brass 100' Hose Rack | 460.51 | 128.02 |

### 21 12 23 Fire-Suppression Hose Valves *(21 12)*

### 21 12 23 00-0001 Standpipe Valves *(21 12 23)*

| | | | | |
|---|---|---|---|---|
| 21 12 23 00-0002 | EA | 2-1/2" Fire Department Valve, Polished Brass With Plug And Chain | 967.16 | 228.80 |
| | | *For Polished Chrome, Add* | *93.10* | |
| 21 12 23 00-0003 | EA | 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass | 1,701.83 | 228.70 |
| | | *For Polished Chrome, Add* | *203.30* | |
| 21 12 23 00-0004 | EA | 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass | 2,244.22 | 247.38 |
| | | *For Polished Chrome, Add* | *280.40* | |
| 21 12 23 00-0005 | EA | 3" x 3" x 4" Fire Department Valve, Flush, Polished Brass | 2,760.51 | 228.70 |
| | | *For Polished Chrome, Add* | *362.10* | |
| 21 12 23 00-0006 | EA | 3" x 3" x 6" Fire Department Valve, Flush, Polished Brass | 3,264.55 | 247.38 |
| | | *For Polished Chrome, Add* | *433.45* | |
| 21 12 23 00-0007 | EA | 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass | 1,589.31 | 228.70 |
| | | *For Polished Chrome, Add* | *186.42* | |
| 21 12 23 00-0008 | EA | 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass | 2,420.67 | 247.38 |
| | | *For Polished Chrome, Add* | *306.86* | |
| 21 12 23 00-0009 | EA | 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass | 3,183.43 | 236.10 |
| | | *For Polished Chrome, Add* | *339.09* | |
| 21 12 23 00-0010 | EA | 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass | 4,636.04 | 262.31 |
| | | *For Polished Chrome, Add* | *508.63* | |
| 21 12 23 00-0011 | EA | 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass | 3,436.59 | 236.10 |
| | | *For Polished Chrome, Add* | *369.46* | |
| 21 12 23 00-0012 | EA | 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass | 5,017.47 | 262.31 |
| | | *For Polished Chrome, Add* | *554.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 12 23 00-0013 | EA | 2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass | 9,267.99 | 314.73 |
| | | *For Polished Chrome, Add* | *879.10* | |

### 21 12 23 00-0014 Fire Hose Angle Valves *(21 12 23)*

| | | | | |
|---|---|---|---|---|
| 21 12 23 00-0015 | EA | 1-1/2", 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve | 236.87 | 31.43 |
| 21 12 23 00-0016 | EA | 1-1/2", 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve | 283.28 | 31.43 |
| 21 12 23 00-0017 | EA | 1-1/2", 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve | 266.40 | 31.43 |
| 21 12 23 00-0018 | EA | 1-1/2", 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve | 312.81 | 31.43 |
| 21 12 23 00-0019 | EA | 2-1/2", 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve | 421.68 | 52.37 |
| 21 12 23 00-0020 | EA | 2-1/2", 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve | 489.17 | 52.37 |
| 21 12 23 00-0021 | EA | 2-1/2", 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve | 494.80 | 52.37 |
| 21 12 23 00-0022 | EA | 2-1/2", 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve | 562.30 | 52.37 |

### 21 12 23 00-0023 Fire Hose Valve Cap And Chain *(21 12 23)*

| | | | | |
|---|---|---|---|---|
| 21 12 23 00-0024 | EA | 1-1/2" Cast Brass, Fire Hose Valve Cap And Chain | 45.40 | 10.74 |
| 21 12 23 00-0025 | EA | 1-1/2" Polished Brass, Fire Hose Valve Cap And Chain | 72.11 | 10.74 |
| 21 12 23 00-0026 | EA | 1-1/2" Rough Chrome Plated, Fire Hose Valve Cap And Chain | 63.68 | 10.74 |
| 21 12 23 00-0027 | EA | 1-1/2" Polished Chrome Plated, Fire Hose Valve Cap And Chain | 84.77 | 10.74 |
| 21 12 23 00-0028 | EA | 1-1/2" Aluminum Brass Fire Hose Valve Cap And Chain | 30.96 | 10.74 |
| 21 12 23 00-0029 | EA | 2-1/2" Cast Brass, Fire Hose Valve Cap And Chain | 71.85 | 13.42 |
| 21 12 23 00-0030 | EA | 2-1/2" Polished Brass, Fire Hose Valve Cap And Chain | 95.76 | 13.42 |
| 21 12 23 00-0031 | EA | 2-1/2" Rough Chrome Plated, Fire Hose Valve Cap And Chain | 91.54 | 13.42 |
| 21 12 23 00-0032 | EA | 2-1/2" Polished Chrome Plated, Fire Hose Valve Cap And Chain | 115.44 | 13.42 |
| 21 12 23 00-0033 | EA | 2-1/2" Aluminum Brass Fire Hose Valve Cap And Chain | 41.12 | 13.42 |
| 21 12 23 00-0034 | EA | 3" Cast Brass, Fire Hose Valve Cap And Chain | 113.38 | 14.50 |
| 21 12 23 00-0035 | EA | 3" Polished Brass, Fire Hose Valve Cap And Chain | 144.32 | 14.50 |
| 21 12 23 00-0036 | EA | 3" Rough Chrome Plated, Fire Hose Valve Cap And Chain | 134.48 | 14.50 |
| 21 12 23 00-0037 | EA | 3" Polished Chrome Plated, Fire Hose Valve Cap And Chain | 166.82 | 14.50 |

## 21 12 29 Fire-Suppression Fire Hose Equipment *(21 12)*

### 21 12 29 00-0001 Standpipe And Fire Hose Equipment *(21 12 29)*

| | | | | |
|---|---|---|---|---|
| 21 12 29 00-0002 | EA | 2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass | 3,251.22 | 567.16 |
| 21 12 29 00-0003 | EA | Water Motor Gong | 1,159.29 | 174.50 |
| 21 12 29 00-0004 | EA | Fire Riser Flow Switch (National Fire Protection Association 13) | 1,046.65 | 20.30 |
| 21 12 29 00-0005 | EA | Water Flow Supervisory (Tamper) Switch Mounted On Valve | 253.98 | 34.73 |

### 21 12 29 00-0006 Water Flow Detector *(21 12 29)*

### 21 12 29 00-0007 Pressure-Type Water Flow Detector *(21 12 29 00-0006)*

| | | | | |
|---|---|---|---|---|
| 21 12 29 00-0008 | EA | Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe | 404.15 | 106.86 |
| 21 12 29 00-0009 | EA | Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe | 586.70 | 141.60 |
| 21 12 29 00-0010 | EA | Pressure-Type Water Flow Detector For >4" To 8" Pipe | 918.71 | 160.29 |

### 21 12 29 00-0011 Vane-Type Water Flow Detector *(21 12 29 00-0006)*

| | | | | |
|---|---|---|---|---|
| 21 12 29 00-0012 | EA | Vane-Type Water Flow Detector For Up To 2-1/2" Pipe | 507.19 | 106.86 |
| 21 12 29 00-0013 | EA | Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe | 712.93 | 141.60 |
| 21 12 29 00-0014 | EA | Vane-Type Water Flow Detector For >4" To 8" Pipe | 1,118.81 | 160.29 |

# 21 13 Fire-Suppression Sprinkler Systems *(21 10)*

## 21 13 13 Wet-Pipe Sprinkler Systems *(21 13)*

### 21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies *(21 13 13)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc.) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

### 21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 13 00-0003 | EA | Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads. | 795.87 | |
| | | *For Copper Pipe, Add* | *100.72* | |
| | | *For Polyvinyl Chloride (PVC) Pipe, Deduct* | *-140.52* | |
| | | *For Up To 5, Add* | *355.66* | |
| | | *For >5 To 10, Add* | *215.14* | |
| | | *For >10 To 20, Add* | *135.56* | |
| | | *For >20 To 40, Add* | *58.45* | |
| | | *For >100 To 150, Deduct* | *-79.59* | |
| | | *For >150, Deduct* | *-159.17* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0004 | EA | Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. | 1,006.75 | |
| | | *For Copper Pipe, Add* | *123.54* | |
| | | *For Polyvinyl Chloride (PVC) Pipe, Deduct* | *-173.88* | |
| | | *For Up To 5, Add* | *457.64* | |
| | | *For >5 To 10, Add* | *283.77* | |
| | | *For >10 To 20, Add* | *183.09* | |
| | | *For >20 To 40, Add* | *77.81* | |
| | | *For >100 To 150, Deduct* | *-100.68* | |
| | | *For >150, Deduct* | *-201.35* | |
| | | *For Work In Restricted Working Space, Add* | *164.83* | |
| 21 13 13 00-0005 | | Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)* | | |
| 21 13 13 00-0006 | EA | Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads. | 778.30 | |
| | | *For Copper Pipe, Add* | *98.31* | |
| | | *For Polyvinyl Chloride (PVC) Pipe, Deduct* | *-137.23* | |
| | | *For Up To 5, Add* | *348.18* | |
| | | *For >5 To 10, Add* | *210.96* | |
| | | *For >10 To 20, Add* | *133.13* | |
| | | *For >20 To 40, Add* | *57.35* | |
| | | *For >100 To 150, Deduct* | *-77.83* | |
| | | *For >150, Deduct* | *-155.66* | |
| 21 13 13 00-0007 | EA | Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. | 981.52 | |
| | | *For Copper Pipe, Add* | *120.12* | |
| | | *For Polyvinyl Chloride (PVC) Pipe, Deduct* | *-169.19* | |
| | | *For Up To 5, Add* | *446.83* | |
| | | *For >5 To 10, Add* | *277.63* | |
| | | *For >10 To 20, Add* | *179.48* | |
| | | *For >20 To 40, Add* | *76.19* | |
| | | *For >100 To 150, Deduct* | *-98.15* | |
| | | *For >150, Deduct* | *-196.30* | |
| | | *For Work In Restricted Working Space, Add* | *162.66* | |
| 21 13 13 00-0008 | | Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)* | | |
| 21 13 13 00-0009 | EA | Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads. | 718.51 | |
| | | *For Copper Pipe, Add* | *90.61* | |
| | | *For Polyvinyl Chloride (PVC) Pipe, Deduct* | *-126.54* | |
| | | *For Up To 5, Add* | *321.74* | |
| | | *For >5 To 10, Add* | *195.20* | |
| | | *For >10 To 20, Add* | *123.35* | |
| | | *For >20 To 40, Add* | *53.09* | |
| | | *For >100 To 150, Deduct* | *-71.85* | |
| | | *For >150, Deduct* | *-143.70* | |
| 21 13 13 00-0010 | EA | Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. | 908.11 | |
| | | *For Copper Pipe, Add* | *110.96* | |
| | | *For Polyvinyl Chloride (PVC) Pipe, Deduct* | *-156.37* | |
| | | *For Up To 5, Add* | *413.75* | |
| | | *For >5 To 10, Add* | *257.39* | |
| | | *For >10 To 20, Add* | *166.58* | |
| | | *For >20 To 40, Add* | *70.66* | |
| | | *For >100 To 150, Deduct* | *-90.81* | |
| | | *For >150, Deduct* | *-181.62* | |
| | | *For Work In Restricted Working Space, Add* | *151.53* | |
| 21 13 13 00-0011 | | Wet Pipe Sprinkler Components *(21 13 13)*<br>Note: Excludes hydraulic calculations. | | |
| 21 13 13 00-0012 | | Wet Pipe Alarm Check Valves *(21 13 13 00-0011)*<br>Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim. | | |
| 21 13 13 00-0013 | EA | 2-1/2" Wet Pipe Alarm Check Valve | 1,962.70 | 146.93 |
| 21 13 13 00-0014 | EA | 3" Wet Pipe Alarm Check Valve | 2,005.44 | 168.30 |
| 21 13 13 00-0015 | EA | 4" Wet Pipe Alarm Check Valve | 2,240.54 | 285.86 |
| 21 13 13 00-0016 | EA | 6" Wet Pipe Alarm Check Valve | 2,159.98 | 360.66 |
| 21 13 13 00-0017 | EA | 8" Wet Pipe Alarm Check Valve | 3,864.90 | 456.83 |
| 21 13 13 00-0018 | | Wet Pipe Valve Trim *(21 13 13 00-0011)*<br>Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber. | | |
| 21 13 13 00-0019 | EA | 2-1/2" Wet Pipe Valve Trim | 1,807.32 | 310.97 |
| 21 13 13 00-0020 | EA | 3" Wet Pipe Valve Trim | 1,912.59 | 310.97 |
| 21 13 13 00-0021 | EA | 4" Wet Pipe Valve Trim | 2,295.06 | 426.37 |
| 21 13 13 00-0022 | EA | 6" Wet Pipe Valve Trim | 2,678.19 | 593.08 |
| 21 13 13 00-0023 | EA | 8" Wet Pipe Valve Trim | 2,913.28 | 734.13 |
| 21 13 13 00-0024 | | Wet Pipe Sprinkler Heads *(21 13 13 00-0011)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0025 | | Upright Wet Pipe Sprinkler Heads *(21 13 13 00-0024)* | | |
| 21 13 13 00-0026 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head | 86.73 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-6.96* | |
| | | *For >100 To 500, Deduct* | *-12.15* | |
| | | *For >500 To 1,000, Deduct* | *-24.51* | |
| | | *For >1,000, Deduct* | *-34.99* | |
| 21 13 13 00-0027 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head | 90.23 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.13* | |
| | | *For >100 To 500, Deduct* | *-12.59* | |
| | | *For >500 To 1,000, Deduct* | *-25.14* | |
| | | *For >1,000, Deduct* | *-35.62* | |
| 21 13 13 00-0028 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head | 92.46 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.24* | |
| | | *For >100 To 500, Deduct* | *-12.87* | |
| | | *For >500 To 1,000, Deduct* | *-25.55* | |
| | | *For >1,000, Deduct* | *-36.02* | |
| 21 13 13 00-0029 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head | 88.48 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.04* | |
| | | *For >100 To 500, Deduct* | *-12.37* | |
| | | *For >500 To 1,000, Deduct* | *-24.83* | |
| | | *For >1,000, Deduct* | *-35.30* | |
| 21 13 13 00-0030 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head | 92.12 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.22* | |
| | | *For >100 To 500, Deduct* | *-12.82* | |
| | | *For >500 To 1,000, Deduct* | *-25.48* | |
| | | *For >1,000, Deduct* | *-35.96* | |
| 21 13 13 00-0031 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head | 94.45 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.34* | |
| | | *For >100 To 500, Deduct* | *-13.12* | |
| | | *For >500 To 1,000, Deduct* | *-25.90* | |
| | | *For >1,000, Deduct* | *-36.38* | |
| 21 13 13 00-0032 | EA | 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head | 111.40 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.19* | |
| | | *For >100 To 500, Deduct* | *-15.23* | |
| | | *For >500 To 1,000, Deduct* | *-28.95* | |
| | | *For >1,000, Deduct* | *-39.43* | |
| 21 13 13 00-0033 | EA | 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head | 120.78 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.66* | |
| | | *For >100 To 500, Deduct* | *-16.41* | |
| | | *For >500 To 1,000, Deduct* | *-30.64* | |
| | | *For >1,000, Deduct* | *-41.12* | |
| 21 13 13 00-0034 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head | 111.40 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.19* | |
| | | *For >100 To 500, Deduct* | *-15.23* | |
| | | *For >500 To 1,000, Deduct* | *-28.95* | |
| | | *For >1,000, Deduct* | *-39.43* | |
| 21 13 13 00-0035 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head | 120.78 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.66* | |
| | | *For >100 To 500, Deduct* | *-16.41* | |
| | | *For >500 To 1,000, Deduct* | *-30.64* | |
| | | *For >1,000, Deduct* | *-41.12* | |
| 21 13 13 00-0036 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head | 99.26 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.58* | |
| | | *For >100 To 500, Deduct* | *-13.72* | |
| | | *For >500 To 1,000, Deduct* | *-26.77* | |
| | | *For >1,000, Deduct* | *-37.24* | |
| 21 13 13 00-0037 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head | 103.84 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.81* | |
| | | *For >100 To 500, Deduct* | *-14.29* | |
| | | *For >500 To 1,000, Deduct* | *-27.59* | |
| | | *For >1,000, Deduct* | *-38.07* | |
| 21 13 13 00-0038 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head | 99.98 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-7.91* | |
| | | *For >100 To 500, Deduct* | *-13.95* | |
| | | *For >500 To 1,000, Deduct* | *-27.89* | |
| | | *For >1,000, Deduct* | *-39.53* | |
| 21 13 13 00-0039 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head | 105.33 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.18* | |
| | | *For >100 To 500, Deduct* | *-14.62* | |
| | | *For >500 To 1,000, Deduct* | *-28.85* | |
| | | *For >1,000, Deduct* | *-40.49* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0040 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head | 106.42 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.23* | |
| | | *For >100 To 500, Deduct* | *-14.76* | |
| | | *For >500 To 1,000, Deduct* | *-29.05* | |
| | | *For >1,000, Deduct* | *-40.69* | |
| 21 13 13 00-0041 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head | 99.98 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-7.91* | |
| | | *For >100 To 500, Deduct* | *-13.95* | |
| | | *For >500 To 1,000, Deduct* | *-27.89* | |
| | | *For >1,000, Deduct* | *-39.53* | |
| 21 13 13 00-0042 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head | 105.33 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.18* | |
| | | *For >100 To 500, Deduct* | *-14.62* | |
| | | *For >500 To 1,000, Deduct* | *-28.85* | |
| | | *For >1,000, Deduct* | *-40.49* | |
| 21 13 13 00-0043 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head | 106.42 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.23* | |
| | | *For >100 To 500, Deduct* | *-14.76* | |
| | | *For >500 To 1,000, Deduct* | *-29.05* | |
| | | *For >1,000, Deduct* | *-40.69* | |
| 21 13 13 00-0044 | EA | 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head | 96.84 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.46* | |
| | | *For >100 To 500, Deduct* | *-13.41* | |
| | | *For >500 To 1,000, Deduct* | *-26.33* | |
| | | *For >1,000, Deduct* | *-36.81* | |
| 21 13 13 00-0045 | EA | 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head | 100.33 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.64* | |
| | | *For >100 To 500, Deduct* | *-13.85* | |
| | | *For >500 To 1,000, Deduct* | *-26.96* | |
| | | *For >1,000, Deduct* | *-37.44* | |
| 21 13 13 00-0046 | EA | 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head | 101.01 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.67* | |
| | | *For >100 To 500, Deduct* | *-13.94* | |
| | | *For >500 To 1,000, Deduct* | *-27.08* | |
| | | *For >1,000, Deduct* | *-37.56* | |
| 21 13 13 00-0047 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head | 96.84 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.46* | |
| | | *For >100 To 500, Deduct* | *-13.41* | |
| | | *For >500 To 1,000, Deduct* | *-26.33* | |
| | | *For >1,000, Deduct* | *-36.81* | |
| 21 13 13 00-0048 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head | 100.33 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.64* | |
| | | *For >100 To 500, Deduct* | *-13.85* | |
| | | *For >500 To 1,000, Deduct* | *-26.96* | |
| | | *For >1,000, Deduct* | *-37.44* | |
| 21 13 13 00-0049 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head | 101.01 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.67* | |
| | | *For >100 To 500, Deduct* | *-13.94* | |
| | | *For >500 To 1,000, Deduct* | *-27.08* | |
| | | *For >1,000, Deduct* | *-37.56* | |
| 21 13 13 00-0050 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head | 101.00 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.67* | |
| | | *For >100 To 500, Deduct* | *-13.93* | |
| | | *For >500 To 1,000, Deduct* | *-27.08* | |
| | | *For >1,000, Deduct* | *-37.56* | |
| 21 13 13 00-0051 | EA | 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head | 137.51 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-9.79* | |
| | | *For >100 To 500, Deduct* | *-18.64* | |
| | | *For >500 To 1,000, Deduct* | *-34.64* | |
| | | *For >1,000, Deduct* | *-46.28* | |
| 21 13 13 00-0052 | EA | 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head | 141.54 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-9.99* | |
| | | *For >100 To 500, Deduct* | *-19.15* | |
| | | *For >500 To 1,000, Deduct* | *-35.37* | |
| | | *For >1,000, Deduct* | *-47.01* | |
| 21 13 13 00-0053 | EA | 3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head | 141.54 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-9.99* | |
| | | *For >100 To 500, Deduct* | *-19.15* | |
| | | *For >500 To 1,000, Deduct* | *-35.37* | |
| | | *For >1,000, Deduct* | *-47.01* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0054 | EA | 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head | 110.36 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.43* | |
| | | *For >100 To 500, Deduct* | *-15.25* | |
| | | *For >500 To 1,000, Deduct* | *-29.76* | |
| | | *For >1,000, Deduct* | *-41.40* | |
| 21 13 13 00-0055 | EA | 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head | 113.12 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.57* | |
| | | *For >100 To 500, Deduct* | *-15.59* | |
| | | *For >500 To 1,000, Deduct* | *-30.25* | |
| | | *For >1,000, Deduct* | *-41.89* | |
| 21 13 13 00-0056 | EA | 3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head | 113.12 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.57* | |
| | | *For >100 To 500, Deduct* | *-15.59* | |
| | | *For >500 To 1,000, Deduct* | *-30.25* | |
| | | *For >1,000, Deduct* | *-41.89* | |
| 21 13 13 00-0057 | EA | 1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head | 339.11 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-19.57* | |
| | | *For >100 To 500, Deduct* | *-43.70* | |
| | | *For >500 To 1,000, Deduct* | *-69.94* | |
| | | *For >1,000, Deduct* | *-80.42* | |
| 21 13 13 00-0058 | EA | 3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head | 373.35 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-21.58* | |
| | | *For >100 To 500, Deduct* | *-48.12* | |
| | | *For >500 To 1,000, Deduct* | *-77.10* | |
| | | *For >1,000, Deduct* | *-88.73* | |
| 21 13 13 00-0059 | EA | 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head | 177.92 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-11.51* | |
| | | *For >100 To 500, Deduct* | *-23.55* | |
| | | *For >500 To 1,000, Deduct* | *-40.93* | |
| | | *For >1,000, Deduct* | *-51.40* | |
| 21 13 13 00-0060 | EA | 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head | 219.92 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-13.61* | |
| | | *For >100 To 500, Deduct* | *-28.80* | |
| | | *For >500 To 1,000, Deduct* | *-48.49* | |
| | | *For >1,000, Deduct* | *-58.96* | |
| 21 13 13 00-0061 | EA | 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head | 395.52 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-22.39* | |
| | | *For >100 To 500, Deduct* | *-50.75* | |
| | | *For >500 To 1,000, Deduct* | *-80.10* | |
| | | *For >1,000, Deduct* | *-90.57* | |
| 21 13 13 00-0062 | EA | 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head | 504.95 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-27.87* | |
| | | *For >100 To 500, Deduct* | *-64.43* | |
| | | *For >500 To 1,000, Deduct* | *-99.79* | |
| | | *For >1,000, Deduct* | *-110.27* | |
| 21 13 13 00-0063 | EA | 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head | 225.74 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-14.20* | |
| | | *For >100 To 500, Deduct* | *-29.67* | |
| | | *For >500 To 1,000, Deduct* | *-50.53* | |
| | | *For >1,000, Deduct* | *-62.16* | |
| 21 13 13 00-0064 | EA | 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head | 227.01 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-14.26* | |
| | | *For >100 To 500, Deduct* | *-29.83* | |
| | | *For >500 To 1,000, Deduct* | *-50.75* | |
| | | *For >1,000, Deduct* | *-62.39* | |

## 21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

| | | | | |
|---|---|---|---|---|
| 21 13 13 00-0066 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head | 86.73 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-6.96* | |
| | | *For >100 To 500, Deduct* | *-12.15* | |
| | | *For >500 To 1,000, Deduct* | *-24.51* | |
| | | *For >1,000, Deduct* | *-34.99* | |
| 21 13 13 00-0067 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head | 90.23 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.13* | |
| | | *For >100 To 500, Deduct* | *-12.59* | |
| | | *For >500 To 1,000, Deduct* | *-25.14* | |
| | | *For >1,000, Deduct* | *-35.62* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0068 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head | 92.46 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.24* | |
| | | *For >100 To 500, Deduct* | *-12.87* | |
| | | *For >500 To 1,000, Deduct* | *-25.55* | |
| | | *For >1,000, Deduct* | *-36.02* | |
| 21 13 13 00-0069 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head | 101.23 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-7.97* | |
| | | *For >100 To 500, Deduct* | *-14.11* | |
| | | *For >500 To 1,000, Deduct* | *-28.11* | |
| | | *For >1,000, Deduct* | *-39.75* | |
| 21 13 13 00-0070 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head | 105.33 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.18* | |
| | | *For >100 To 500, Deduct* | *-14.62* | |
| | | *For >500 To 1,000, Deduct* | *-28.85* | |
| | | *For >1,000, Deduct* | *-40.49* | |
| 21 13 13 00-0071 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head | 105.97 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.21* | |
| | | *For >100 To 500, Deduct* | *-14.70* | |
| | | *For >500 To 1,000, Deduct* | *-28.97* | |
| | | *For >1,000, Deduct* | *-40.60* | |
| 21 13 13 00-0072 | EA | 1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head | 339.11 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-19.57* | |
| | | *For >100 To 500, Deduct* | *-43.70* | |
| | | *For >500 To 1,000, Deduct* | *-69.94* | |
| | | *For >1,000, Deduct* | *-80.42* | |

## 21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.

| | | | | |
|---|---|---|---|---|
| 21 13 13 00-0074 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head | 86.73 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-6.96* | |
| | | *For >100 To 500, Deduct* | *-12.15* | |
| | | *For >500 To 1,000, Deduct* | *-24.51* | |
| | | *For >1,000, Deduct* | *-34.99* | |
| 21 13 13 00-0075 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head | 90.23 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.13* | |
| | | *For >100 To 500, Deduct* | *-12.59* | |
| | | *For >500 To 1,000, Deduct* | *-25.14* | |
| | | *For >1,000, Deduct* | *-35.62* | |
| 21 13 13 00-0076 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head | 92.46 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.24* | |
| | | *For >100 To 500, Deduct* | *-12.87* | |
| | | *For >500 To 1,000, Deduct* | *-25.55* | |
| | | *For >1,000, Deduct* | *-36.02* | |
| 21 13 13 00-0077 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head | 99.98 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-7.91* | |
| | | *For >100 To 500, Deduct* | *-13.95* | |
| | | *For >500 To 1,000, Deduct* | *-27.89* | |
| | | *For >1,000, Deduct* | *-39.53* | |
| 21 13 13 00-0078 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head | 105.33 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.18* | |
| | | *For >100 To 500, Deduct* | *-14.62* | |
| | | *For >500 To 1,000, Deduct* | *-28.85* | |
| | | *For >1,000, Deduct* | *-40.49* | |
| 21 13 13 00-0079 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head | 106.42 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.23* | |
| | | *For >100 To 500, Deduct* | *-14.76* | |
| | | *For >500 To 1,000, Deduct* | *-29.05* | |
| | | *For >1,000, Deduct* | *-40.69* | |
| 21 13 13 00-0080 | EA | 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head | 96.84 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.46* | |
| | | *For >100 To 500, Deduct* | *-13.41* | |
| | | *For >500 To 1,000, Deduct* | *-26.33* | |
| | | *For >1,000, Deduct* | *-36.81* | |
| 21 13 13 00-0081 | EA | 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head | 100.33 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.64* | |
| | | *For >100 To 500, Deduct* | *-13.85* | |
| | | *For >500 To 1,000, Deduct* | *-26.96* | |
| | | *For >1,000, Deduct* | *-37.44* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0082 | EA | 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head | 101.01 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.67* | |
| | | *For >100 To 500, Deduct* | *-13.94* | |
| | | *For >500 To 1,000, Deduct* | *-27.08* | |
| | | *For >1,000, Deduct* | *-37.56* | |
| 21 13 13 00-0083 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head | 96.84 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.46* | |
| | | *For >100 To 500, Deduct* | *-13.41* | |
| | | *For >500 To 1,000, Deduct* | *-26.33* | |
| | | *For >1,000, Deduct* | *-36.81* | |
| 21 13 13 00-0084 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head | 100.33 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.64* | |
| | | *For >100 To 500, Deduct* | *-13.85* | |
| | | *For >500 To 1,000, Deduct* | *-26.96* | |
| | | *For >1,000, Deduct* | *-37.44* | |
| 21 13 13 00-0085 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head | 101.01 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.67* | |
| | | *For >100 To 500, Deduct* | *-13.94* | |
| | | *For >500 To 1,000, Deduct* | *-27.08* | |
| | | *For >1,000, Deduct* | *-37.56* | |
| 21 13 13 00-0086 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead | 96.84 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.46* | |
| | | *For >100 To 500, Deduct* | *-13.41* | |
| | | *For >500 To 1,000, Deduct* | *-26.33* | |
| | | *For >1,000, Deduct* | *-36.81* | |
| 21 13 13 00-0087 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead | 100.33 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.64* | |
| | | *For >100 To 500, Deduct* | *-13.85* | |
| | | *For >500 To 1,000, Deduct* | *-26.96* | |
| | | *For >1,000, Deduct* | *-37.44* | |
| 21 13 13 00-0088 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead | 101.01 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.67* | |
| | | *For >100 To 500, Deduct* | *-13.94* | |
| | | *For >500 To 1,000, Deduct* | *-27.08* | |
| | | *For >1,000, Deduct* | *-37.56* | |
| 21 13 13 00-0089 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead | 86.73 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-6.96* | |
| | | *For >100 To 500, Deduct* | *-12.15* | |
| | | *For >500 To 1,000, Deduct* | *-24.51* | |
| | | *For >1,000, Deduct* | *-34.99* | |
| 21 13 13 00-0090 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead | 90.23 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.13* | |
| | | *For >100 To 500, Deduct* | *-12.59* | |
| | | *For >500 To 1,000, Deduct* | *-25.14* | |
| | | *For >1,000, Deduct* | *-35.62* | |
| 21 13 13 00-0091 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead | 92.46 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.24* | |
| | | *For >100 To 500, Deduct* | *-12.87* | |
| | | *For >500 To 1,000, Deduct* | *-25.55* | |
| | | *For >1,000, Deduct* | *-36.02* | |
| 21 13 13 00-0092 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head | 88.49 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.04* | |
| | | *For >100 To 500, Deduct* | *-12.37* | |
| | | *For >500 To 1,000, Deduct* | *-24.83* | |
| | | *For >1,000, Deduct* | *-35.31* | |
| 21 13 13 00-0093 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head | 90.97 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.17* | |
| | | *For >100 To 500, Deduct* | *-12.68* | |
| | | *For >500 To 1,000, Deduct* | *-25.28* | |
| | | *For >1,000, Deduct* | *-35.75* | |
| 21 13 13 00-0094 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head | 93.23 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.28* | |
| | | *For >100 To 500, Deduct* | *-12.96* | |
| | | *For >500 To 1,000, Deduct* | *-25.68* | |
| | | *For >1,000, Deduct* | *-36.16* | |
| 21 13 13 00-0095 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head | 103.29 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.07* | |
| | | *For >100 To 500, Deduct* | *-14.37* | |
| | | *For >500 To 1,000, Deduct* | *-28.48* | |
| | | *For >1,000, Deduct* | *-40.12* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0096 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head | 107.83 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.30* | |
| | | *For >100 To 500, Deduct* | *-14.93* | |
| | | *For >500 To 1,000, Deduct* | *-29.30* | |
| | | *For >1,000, Deduct* | *-40.94* | |
| 21 13 13 00-0097 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head | 107.83 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.30* | |
| | | *For >100 To 500, Deduct* | *-14.93* | |
| | | *For >500 To 1,000, Deduct* | *-29.30* | |
| | | *For >1,000, Deduct* | *-40.94* | |
| 21 13 13 00-0098 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head | 99.26 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.58* | |
| | | *For >100 To 500, Deduct* | *-13.72* | |
| | | *For >500 To 1,000, Deduct* | *-26.77* | |
| | | *For >1,000, Deduct* | *-37.24* | |
| 21 13 13 00-0099 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head | 103.84 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.81* | |
| | | *For >100 To 500, Deduct* | *-14.29* | |
| | | *For >500 To 1,000, Deduct* | *-27.59* | |
| | | *For >1,000, Deduct* | *-38.07* | |
| 21 13 13 00-0100 | EA | 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head | 110.70 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.15* | |
| | | *For >100 To 500, Deduct* | *-15.15* | |
| | | *For >500 To 1,000, Deduct* | *-28.83* | |
| | | *For >1,000, Deduct* | *-39.30* | |
| 21 13 13 00-0101 | EA | 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head | 118.21 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.53* | |
| | | *For >100 To 500, Deduct* | *-16.09* | |
| | | *For >500 To 1,000, Deduct* | *-30.18* | |
| | | *For >1,000, Deduct* | *-40.65* | |
| 21 13 13 00-0102 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head | 110.70 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.15* | |
| | | *For >100 To 500, Deduct* | *-15.15* | |
| | | *For >500 To 1,000, Deduct* | *-28.83* | |
| | | *For >1,000, Deduct* | *-39.30* | |
| 21 13 13 00-0103 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head | 118.21 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.53* | |
| | | *For >100 To 500, Deduct* | *-16.09* | |
| | | *For >500 To 1,000, Deduct* | *-30.18* | |
| | | *For >1,000, Deduct* | *-40.65* | |
| 21 13 13 00-0104 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head | 93.34 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.29* | |
| | | *For >100 To 500, Deduct* | *-12.98* | |
| | | *For >500 To 1,000, Deduct* | *-25.70* | |
| | | *For >1,000, Deduct* | *-36.18* | |
| 21 13 13 00-0105 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head | 97.27 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.48* | |
| | | *For >100 To 500, Deduct* | *-13.47* | |
| | | *For >500 To 1,000, Deduct* | *-26.41* | |
| | | *For >1,000, Deduct* | *-36.89* | |
| 21 13 13 00-0106 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head | 99.33 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.59* | |
| | | *For >100 To 500, Deduct* | *-13.73* | |
| | | *For >500 To 1,000, Deduct* | *-26.78* | |
| | | *For >1,000, Deduct* | *-37.26* | |
| 21 13 13 00-0107 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head | 101.64 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-7.99* | |
| | | *For >100 To 500, Deduct* | *-14.16* | |
| | | *For >500 To 1,000, Deduct* | *-28.19* | |
| | | *For >1,000, Deduct* | *-39.83* | |
| 21 13 13 00-0108 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head | 105.53 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.19* | |
| | | *For >100 To 500, Deduct* | *-14.65* | |
| | | *For >500 To 1,000, Deduct* | *-28.89* | |
| | | *For >1,000, Deduct* | *-40.53* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0109 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head | 109.29 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.37* | |
| | | *For >100 To 500, Deduct* | *-15.12* | |
| | | *For >500 To 1,000, Deduct* | *-29.56* | |
| | | *For >1,000, Deduct* | *-41.20* | |
| 21 13 13 00-0110 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head | 95.56 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.40* | |
| | | *For >100 To 500, Deduct* | *-13.25* | |
| | | *For >500 To 1,000, Deduct* | *-26.10* | |
| | | *For >1,000, Deduct* | *-36.58* | |
| 21 13 13 00-0111 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head | 99.42 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.59* | |
| | | *For >100 To 500, Deduct* | *-13.74* | |
| | | *For >500 To 1,000, Deduct* | *-26.80* | |
| | | *For >1,000, Deduct* | *-37.27* | |
| 21 13 13 00-0112 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head | 101.52 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.69* | |
| | | *For >100 To 500, Deduct* | *-14.00* | |
| | | *For >500 To 1,000, Deduct* | *-27.18* | |
| | | *For >1,000, Deduct* | *-37.65* | |
| 21 13 13 00-0113 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head | 103.29 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.07* | |
| | | *For >100 To 500, Deduct* | *-14.37* | |
| | | *For >500 To 1,000, Deduct* | *-28.48* | |
| | | *For >1,000, Deduct* | *-40.12* | |
| 21 13 13 00-0114 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head | 107.34 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.28* | |
| | | *For >100 To 500, Deduct* | *-14.87* | |
| | | *For >500 To 1,000, Deduct* | *-29.21* | |
| | | *For >1,000, Deduct* | *-40.85* | |
| 21 13 13 00-0115 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head | 111.25 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.47* | |
| | | *For >100 To 500, Deduct* | *-15.36* | |
| | | *For >500 To 1,000, Deduct* | *-29.92* | |
| | | *For >1,000, Deduct* | *-41.56* | |
| 21 13 13 00-0116 | EA | 1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head | 156.91 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-10.46* | |
| | | *For >100 To 500, Deduct* | *-20.92* | |
| | | *For >500 To 1,000, Deduct* | *-37.15* | |
| | | *For >1,000, Deduct* | *-47.62* | |
| 21 13 13 00-0117 | EA | 1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head | 156.91 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-10.46* | |
| | | *For >100 To 500, Deduct* | *-20.92* | |
| | | *For >500 To 1,000, Deduct* | *-37.15* | |
| | | *For >1,000, Deduct* | *-47.62* | |
| 21 13 13 00-0118 | EA | 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head | 114.39 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.63* | |
| | | *For >100 To 500, Deduct* | *-15.75* | |
| | | *For >500 To 1,000, Deduct* | *-30.48* | |
| | | *For >1,000, Deduct* | *-42.12* | |
| 21 13 13 00-0119 | EA | 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head | 117.36 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.78* | |
| | | *For >100 To 500, Deduct* | *-16.12* | |
| | | *For >500 To 1,000, Deduct* | *-31.02* | |
| | | *For >1,000, Deduct* | *-42.66* | |
| 21 13 13 00-0120 | EA | 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head | 117.36 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.78* | |
| | | *For >100 To 500, Deduct* | *-16.12* | |
| | | *For >500 To 1,000, Deduct* | *-31.02* | |
| | | *For >1,000, Deduct* | *-42.66* | |
| 21 13 13 00-0121 | EA | 3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head | 110.36 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.43* | |
| | | *For >100 To 500, Deduct* | *-15.25* | |
| | | *For >500 To 1,000, Deduct* | *-29.76* | |
| | | *For >1,000, Deduct* | *-41.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0122 | EA | 3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head | 113.12 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.57* | |
| | | *For >100 To 500, Deduct* | *-15.59* | |
| | | *For >500 To 1,000, Deduct* | *-30.25* | |
| | | *For >1,000, Deduct* | *-41.89* | |
| 21 13 13 00-0123 | EA | 3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head | 113.12 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.57* | |
| | | *For >100 To 500, Deduct* | *-15.59* | |
| | | *For >500 To 1,000, Deduct* | *-30.25* | |
| | | *For >1,000, Deduct* | *-41.89* | |
| 21 13 13 00-0124 | EA | 1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head | 339.11 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-19.57* | |
| | | *For >100 To 500, Deduct* | *-43.70* | |
| | | *For >500 To 1,000, Deduct* | *-69.94* | |
| | | *For >1,000, Deduct* | *-80.42* | |
| 21 13 13 00-0125 | EA | 3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head | 373.35 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-21.58* | |
| | | *For >100 To 500, Deduct* | *-48.12* | |
| | | *For >500 To 1,000, Deduct* | *-77.10* | |
| | | *For >1,000, Deduct* | *-88.73* | |
| 21 13 13 00-0126 | EA | 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head | 177.92 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-11.51* | |
| | | *For >100 To 500, Deduct* | *-23.55* | |
| | | *For >500 To 1,000, Deduct* | *-40.93* | |
| | | *For >1,000, Deduct* | *-51.40* | |
| 21 13 13 00-0127 | EA | 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head | 219.92 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-13.61* | |
| | | *For >100 To 500, Deduct* | *-28.80* | |
| | | *For >500 To 1,000, Deduct* | *-48.49* | |
| | | *For >1,000, Deduct* | *-58.96* | |
| 21 13 13 00-0128 | EA | 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head | 395.52 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-22.39* | |
| | | *For >100 To 500, Deduct* | *-50.75* | |
| | | *For >500 To 1,000, Deduct* | *-80.10* | |
| | | *For >1,000, Deduct* | *-90.57* | |
| 21 13 13 00-0129 | EA | 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head | 504.95 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-27.87* | |
| | | *For >100 To 500, Deduct* | *-64.43* | |
| | | *For >500 To 1,000, Deduct* | *-99.79* | |
| | | *For >1,000, Deduct* | *-110.27* | |
| 21 13 13 00-0130 | EA | 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head | 225.74 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-14.20* | |
| | | *For >100 To 500, Deduct* | *-29.67* | |
| | | *For >500 To 1,000, Deduct* | *-50.53* | |
| | | *For >1,000, Deduct* | *-62.16* | |
| 21 13 13 00-0131 | EA | 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head | 227.01 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-14.26* | |
| | | *For >100 To 500, Deduct* | *-29.83* | |
| | | *For >500 To 1,000, Deduct* | *-50.75* | |
| | | *For >1,000, Deduct* | *-62.39* | |

## 21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

## 21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

| | | | | |
|---|---|---|---|---|
| 21 13 13 00-0134 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 91.96 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.22* | |
| | | *For >100 To 500, Deduct* | *-12.80* | |
| | | *For >500 To 1,000, Deduct* | *-25.46* | |
| | | *For >1,000, Deduct* | *-35.93* | |
| 21 13 13 00-0135 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 94.77 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.36* | |
| | | *For >100 To 500, Deduct* | *-13.16* | |
| | | *For >500 To 1,000, Deduct* | *-25.96* | |
| | | *For >1,000, Deduct* | *-36.44* | |
| 21 13 13 00-0136 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head | 99.20 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.58* | |
| | | *For >100 To 500, Deduct* | *-13.71* | |
| | | *For >500 To 1,000, Deduct* | *-26.76* | |
| | | *For >1,000, Deduct* | *-37.23* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0137 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 93.55 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.30* | |
| | | *For >100 To 500, Deduct* | *-13.00* | |
| | | *For >500 To 1,000, Deduct* | *-25.74* | |
| | | *For >1,000, Deduct* | *-36.22* | |
| 21 13 13 00-0138 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 96.40 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.44* | |
| | | *For >100 To 500, Deduct* | *-13.36* | |
| | | *For >500 To 1,000, Deduct* | *-26.25* | |
| | | *For >1,000, Deduct* | *-36.73* | |
| 21 13 13 00-0139 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head | 100.92 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.66* | |
| | | *For >100 To 500, Deduct* | *-13.92* | |
| | | *For >500 To 1,000, Deduct* | *-27.07* | |
| | | *For >1,000, Deduct* | *-37.54* | |
| 21 13 13 00-0140 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 103.84 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.81* | |
| | | *For >100 To 500, Deduct* | *-14.29* | |
| | | *For >500 To 1,000, Deduct* | *-27.59* | |
| | | *For >1,000, Deduct* | *-38.07* | |
| 21 13 13 00-0141 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 108.40 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.04* | |
| | | *For >100 To 500, Deduct* | *-14.86* | |
| | | *For >500 To 1,000, Deduct* | *-28.41* | |
| | | *For >1,000, Deduct* | *-38.89* | |
| 21 13 13 00-0142 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 111.97 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.51* | |
| | | *For >100 To 500, Deduct* | *-15.45* | |
| | | *For >500 To 1,000, Deduct* | *-30.05* | |
| | | *For >1,000, Deduct* | *-41.68* | |
| 21 13 13 00-0143 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 118.81 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.85* | |
| | | *For >100 To 500, Deduct* | *-16.31* | |
| | | *For >500 To 1,000, Deduct* | *-31.28* | |
| | | *For >1,000, Deduct* | *-42.92* | |
| 21 13 13 00-0144 | EA | 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 113.68 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.30* | |
| | | *For >100 To 500, Deduct* | *-15.52* | |
| | | *For >500 To 1,000, Deduct* | *-29.37* | |
| | | *For >1,000, Deduct* | *-39.84* | |
| 21 13 13 00-0145 | EA | 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 118.21 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.53* | |
| | | *For >100 To 500, Deduct* | *-16.09* | |
| | | *For >500 To 1,000, Deduct* | *-30.18* | |
| | | *For >1,000, Deduct* | *-40.65* | |
| 21 13 13 00-0146 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 113.68 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.30* | |
| | | *For >100 To 500, Deduct* | *-15.52* | |
| | | *For >500 To 1,000, Deduct* | *-29.37* | |
| | | *For >1,000, Deduct* | *-39.84* | |
| 21 13 13 00-0147 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 118.21 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-8.53* | |
| | | *For >100 To 500, Deduct* | *-16.09* | |
| | | *For >500 To 1,000, Deduct* | *-30.18* | |
| | | *For >1,000, Deduct* | *-40.65* | |
| 21 13 13 00-0148 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 89.58 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.10* | |
| | | *For >100 To 500, Deduct* | *-12.51* | |
| | | *For >500 To 1,000, Deduct* | *-25.03* | |
| | | *For >1,000, Deduct* | *-35.50* | |
| 21 13 13 00-0149 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 91.89 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.21* | |
| | | *For >100 To 500, Deduct* | *-12.80* | |
| | | *For >500 To 1,000, Deduct* | *-25.44* | |
| | | *For >1,000, Deduct* | *-35.92* | |
| 21 13 13 00-0150 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head | 94.78 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.36* | |
| | | *For >100 To 500, Deduct* | *-13.16* | |
| | | *For >500 To 1,000, Deduct* | *-25.96* | |
| | | *For >1,000, Deduct* | *-36.44* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0151 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 98.11 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-7.82* | |
| | | *For >100 To 500, Deduct* | *-13.72* | |
| | | *For >500 To 1,000, Deduct* | *-27.55* | |
| | | *For >1,000, Deduct* | *-39.19* | |
| 21 13 13 00-0152 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 100.60 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-7.94* | |
| | | *For >100 To 500, Deduct* | *-14.03* | |
| | | *For >500 To 1,000, Deduct* | *-28.00* | |
| | | *For >1,000, Deduct* | *-39.64* | |
| 21 13 13 00-0153 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head | 103.28 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.07* | |
| | | *For >100 To 500, Deduct* | *-14.36* | |
| | | *For >500 To 1,000, Deduct* | *-28.48* | |
| | | *For >1,000, Deduct* | *-40.12* | |
| 21 13 13 00-0154 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 100.08 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-7.91* | |
| | | *For >100 To 500, Deduct* | *-13.96* | |
| | | *For >500 To 1,000, Deduct* | *-27.91* | |
| | | *For >1,000, Deduct* | *-39.54* | |
| 21 13 13 00-0155 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 102.66 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.04* | |
| | | *For >100 To 500, Deduct* | *-14.29* | |
| | | *For >500 To 1,000, Deduct* | *-28.37* | |
| | | *For >1,000, Deduct* | *-40.01* | |
| 21 13 13 00-0156 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head | 105.45 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.18* | |
| | | *For >100 To 500, Deduct* | *-14.64* | |
| | | *For >500 To 1,000, Deduct* | *-28.87* | |
| | | *For >1,000, Deduct* | *-40.51* | |
| 21 13 13 00-0157 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 105.49 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.18* | |
| | | *For >100 To 500, Deduct* | *-14.64* | |
| | | *For >500 To 1,000, Deduct* | *-28.88* | |
| | | *For >1,000, Deduct* | *-40.52* | |
| 21 13 13 00-0158 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 109.30 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.37* | |
| | | *For >100 To 500, Deduct* | *-15.12* | |
| | | *For >500 To 1,000, Deduct* | *-29.57* | |
| | | *For >1,000, Deduct* | *-41.20* | |
| 21 13 13 00-0159 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head | 109.30 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-8.37* | |
| | | *For >100 To 500, Deduct* | *-15.12* | |
| | | *For >500 To 1,000, Deduct* | *-29.57* | |
| | | *For >1,000, Deduct* | *-41.20* | |
| 21 13 13 00-0160 | EA | 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 182.16 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-11.73* | |
| | | *For >100 To 500, Deduct* | *-24.08* | |
| | | *For >500 To 1,000, Deduct* | *-41.69* | |
| | | *For >1,000, Deduct* | *-52.17* | |
| 21 13 13 00-0161 | EA | 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head | 182.16 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-11.73* | |
| | | *For >100 To 500, Deduct* | *-24.08* | |
| | | *For >500 To 1,000, Deduct* | *-41.69* | |
| | | *For >1,000, Deduct* | *-52.17* | |
| 21 13 13 00-0162 | EA | 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 90.54 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.15* | |
| | | *For >100 To 500, Deduct* | *-12.63* | |
| | | *For >500 To 1,000, Deduct* | *-25.20* | |
| | | *For >1,000, Deduct* | *-35.67* | |
| 21 13 13 00-0163 | EA | 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 90.54 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.15* | |
| | | *For >100 To 500, Deduct* | *-12.63* | |
| | | *For >500 To 1,000, Deduct* | *-25.20* | |
| | | *For >1,000, Deduct* | *-35.67* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0164 | EA | 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head | 90.54 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.15* | |
| | | *For >100 To 500, Deduct* | *-12.63* | |
| | | *For >500 To 1,000, Deduct* | *-25.20* | |
| | | *For >1,000, Deduct* | *-35.67* | |
| 21 13 13 00-0165 | | Vertical Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)* | | |
| 21 13 13 00-0166 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head | 95.60 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.40* | |
| | | *For >100 To 500, Deduct* | *-13.26* | |
| | | *For >500 To 1,000, Deduct* | *-26.11* | |
| | | *For >1,000, Deduct* | *-36.58* | |
| 21 13 13 00-0167 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head | 99.10 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.57* | |
| | | *For >100 To 500, Deduct* | *-13.70* | |
| | | *For >500 To 1,000, Deduct* | *-26.74* | |
| | | *For >1,000, Deduct* | *-37.21* | |
| 21 13 13 00-0168 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head | 100.60 | 13.09 |
| | | *For >25 To 50, Deduct* | *-2.62* | |
| | | *For >50 To 100, Deduct* | *-7.65* | |
| | | *For >100 To 500, Deduct* | *-13.88* | |
| | | *For >500 To 1,000, Deduct* | *-27.01* | |
| | | *For >1,000, Deduct* | *-37.48* | |
| 21 13 13 00-0169 | | Concealed Wet Pipe Sprinkler Heads *(21 13 13 00-0024)* | | |
| 21 13 13 00-0170 | | Concealed Pendant Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)* | | |
| 21 13 13 00-0171 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead<br>Note: Excludes cover plate | 138.58 | 17.46 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-10.42* | |
| | | *For >100 To 500, Deduct* | *-19.07* | |
| | | *For >500 To 1,000, Deduct* | *-36.82* | |
| | | *For >1,000, Deduct* | *-50.78* | |
| 21 13 13 00-0172 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head<br>Note: Excludes cover plate | 97.54 | 17.46 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-8.37* | |
| | | *For >100 To 500, Deduct* | *-13.94* | |
| | | *For >500 To 1,000, Deduct* | *-29.43* | |
| | | *For >1,000, Deduct* | *-43.39* | |
| 21 13 13 00-0173 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head<br>Note: Excludes cover plate | 99.04 | 17.46 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-8.44* | |
| | | *For >100 To 500, Deduct* | *-14.13* | |
| | | *For >500 To 1,000, Deduct* | *-29.70* | |
| | | *For >1,000, Deduct* | *-43.66* | |
| 21 13 13 00-0174 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head<br>Note: Excludes cover plate | 125.21 | 18.92 |
| | | *For >25 To 50, Deduct* | *-3.78* | |
| | | *For >50 To 100, Deduct* | *-10.04* | |
| | | *For >100 To 500, Deduct* | *-17.54* | |
| | | *For >500 To 1,000, Deduct* | *-35.40* | |
| | | *For >1,000, Deduct* | *-50.53* | |
| 21 13 13 00-0175 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head<br>Note: Excludes cover plate | 119.39 | 17.46 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-9.46* | |
| | | *For >100 To 500, Deduct* | *-16.67* | |
| | | *For >500 To 1,000, Deduct* | *-33.36* | |
| | | *For >1,000, Deduct* | *-47.33* | |
| 21 13 13 00-0176 | EA | 1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head<br>Note: Excludes cover plate | 119.39 | 17.46 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-9.46* | |
| | | *For >100 To 500, Deduct* | *-16.67* | |
| | | *For >500 To 1,000, Deduct* | *-33.36* | |
| | | *For >1,000, Deduct* | *-47.33* | |
| 21 13 13 00-0177 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head<br>Note: Excludes cover plate | 125.21 | 18.92 |
| | | *For >25 To 50, Deduct* | *-3.78* | |
| | | *For >50 To 100, Deduct* | *-10.04* | |
| | | *For >100 To 500, Deduct* | *-17.54* | |
| | | *For >500 To 1,000, Deduct* | *-35.40* | |
| | | *For >1,000, Deduct* | *-50.53* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0178 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head | 109.79 | 17.46 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-8.98* | |
| | | *For >100 To 500, Deduct* | *-15.47* | |
| | | *For >500 To 1,000, Deduct* | *-31.63* | |
| | | *For >1,000, Deduct* | *-45.60* | |
| 21 13 13 00-0179 | EA | 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head | 119.39 | 17.46 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-9.46* | |
| | | *For >100 To 500, Deduct* | *-16.67* | |
| | | *For >500 To 1,000, Deduct* | *-33.36* | |
| | | *For >1,000, Deduct* | *-47.33* | |
| 21 13 13 00-0180 | EA | 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head | 119.39 | 17.46 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-9.46* | |
| | | *For >100 To 500, Deduct* | *-16.67* | |
| | | *For >500 To 1,000, Deduct* | *-33.36* | |
| | | *For >1,000, Deduct* | *-47.33* | |
| 21 13 13 00-0181 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head | 112.06 | 17.46 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-9.09* | |
| | | *For >100 To 500, Deduct* | *-15.75* | |
| | | *For >500 To 1,000, Deduct* | *-32.04* | |
| | | *For >1,000, Deduct* | *-46.01* | |
| 21 13 13 00-0182 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head | 188.25 | 20.37 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-4.07* | |
| | | *For >50 To 100, Deduct* | *-13.49* | |
| | | *For >100 To 500, Deduct* | *-25.57* | |
| | | *For >500 To 1,000, Deduct* | *-47.73* | |
| | | *For >1,000, Deduct* | *-64.03* | |
| 21 13 13 00-0183 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head | 105.00 | 17.46 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-8.74* | |
| | | *For >100 To 500, Deduct* | *-14.87* | |
| | | *For >500 To 1,000, Deduct* | *-30.77* | |
| | | *For >1,000, Deduct* | *-44.74* | |
| 21 13 13 00-0184 | EA | 3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head | 110.20 | 18.92 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.78* | |
| | | *For >50 To 100, Deduct* | *-9.29* | |
| | | *For >100 To 500, Deduct* | *-15.67* | |
| | | *For >500 To 1,000, Deduct* | *-32.70* | |
| | | *For >1,000, Deduct* | *-47.83* | |
| 21 13 13 00-0185 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head | 106.35 | 17.46 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-8.81* | |
| | | *For >100 To 500, Deduct* | *-15.04* | |
| | | *For >500 To 1,000, Deduct* | *-31.01* | |
| | | *For >1,000, Deduct* | *-44.98* | |
| 21 13 13 00-0186 | EA | 3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head | 112.17 | 18.92 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.78* | |
| | | *For >50 To 100, Deduct* | *-9.39* | |
| | | *For >100 To 500, Deduct* | *-15.91* | |
| | | *For >500 To 1,000, Deduct* | *-33.05* | |
| | | *For >1,000, Deduct* | *-48.18* | |
| 21 13 13 00-0187 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head | 125.84 | 18.92 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.78* | |
| | | *For >50 To 100, Deduct* | *-10.07* | |
| | | *For >100 To 500, Deduct* | *-17.62* | |
| | | *For >500 To 1,000, Deduct* | *-35.51* | |
| | | *For >1,000, Deduct* | *-50.64* | |
| 21 13 13 00-0188 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Cover Plate | 219.38 | 20.37 |
| | | *For >25 To 50, Deduct* | *-4.07* | |
| | | *For >50 To 100, Deduct* | *-15.04* | |
| | | *For >100 To 500, Deduct* | *-29.46* | |
| | | *For >500 To 1,000, Deduct* | *-53.34* | |
| | | *For >1,000, Deduct* | *-69.63* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0189 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Cover Plate | 219.38 | 20.37 |
| | | *For >25 To 50, Deduct* | *-4.07* | |
| | | *For >50 To 100, Deduct* | *-15.04* | |
| | | *For >100 To 500, Deduct* | *-29.46* | |
| | | *For >500 To 1,000, Deduct* | *-53.34* | |
| | | *For >1,000, Deduct* | *-69.63* | |

## 21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

| | | | | |
|---|---|---|---|---|
| 21 13 13 00-0191 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 150.00 | 17.46 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-10.99* | |
| | | *For >100 To 500, Deduct* | *-20.50* | |
| | | *For >500 To 1,000, Deduct* | *-38.87* | |
| | | *For >1,000, Deduct* | *-52.84* | |
| 21 13 13 00-0192 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 169.18 | 18.92 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.78* | |
| | | *For >50 To 100, Deduct* | *-12.24* | |
| | | *For >100 To 500, Deduct* | *-23.04* | |
| | | *For >500 To 1,000, Deduct* | *-43.31* | |
| | | *For >1,000, Deduct* | *-58.44* | |
| 21 13 13 00-0193 | EA | 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 116.62 | 17.46 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-9.32* | |
| | | *For >100 To 500, Deduct* | *-16.32* | |
| | | *For >500 To 1,000, Deduct* | *-32.86* | |
| | | *For >1,000, Deduct* | *-46.83* | |
| 21 13 13 00-0194 | EA | 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head | 117.36 | 18.92 |
| | | Note: Excludes cover plate | | |
| | | *For >25 To 50, Deduct* | *-3.78* | |
| | | *For >50 To 100, Deduct* | *-9.65* | |
| | | *For >100 To 500, Deduct* | *-16.56* | |
| | | *For >500 To 1,000, Deduct* | *-33.99* | |
| | | *For >1,000, Deduct* | *-49.12* | |

## 21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

| | | | | |
|---|---|---|---|---|
| 21 13 13 00-0196 | EA | 1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head | 368.68 | 14.54 |
| | | Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet. | | |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-21.34* | |
| | | *For >100 To 500, Deduct* | *-47.54* | |
| | | *For >500 To 1,000, Deduct* | *-76.25* | |
| | | *For >1,000, Deduct* | *-87.89* | |
| 21 13 13 00-0197 | EA | 1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 359.71 | 14.54 |
| | | Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet. | | |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-20.90* | |
| | | *For >100 To 500, Deduct* | *-46.42* | |
| | | *For >500 To 1,000, Deduct* | *-74.64* | |
| | | *For >1,000, Deduct* | *-86.28* | |
| 21 13 13 00-0198 | EA | 1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head | 153.13 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-10.57* | |
| | | *For >100 To 500, Deduct* | *-20.60* | |
| | | *For >500 To 1,000, Deduct* | *-37.46* | |
| | | *For >1,000, Deduct* | *-49.09* | |
| 21 13 13 00-0199 | EA | 1/2" NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head | 171.74 | 14.54 |
| | | *For >25 To 50, Deduct* | *-2.91* | |
| | | *For >50 To 100, Deduct* | *-11.50* | |
| | | *For >100 To 500, Deduct* | *-22.92* | |
| | | *For >500 To 1,000, Deduct* | *-40.81* | |
| | | *For >1,000, Deduct* | *-52.44* | |

## 21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories *(21 13 13 00-0011)*

## 21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple *(21 13 13 00-0200)*

| | | | | |
|---|---|---|---|---|
| 21 13 13 00-0202 | EA | 1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150) | 60.40 | 14.74 |
| | | *For >25 To 50, Deduct* | *-1.23* | |
| | | *For >50 To 100, Deduct* | *-4.25* | |
| | | *For >100 To 500, Deduct* | *-8.16* | |
| | | *For >500 To 1,000, Deduct* | *-15.05* | |
| | | *For >1,000, Deduct* | *-19.97* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0203 | EA | 1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150) | 60.40 | 14.74 |
| | | *For >25 To 50, Deduct* | *-1.23* | |
| | | *For >50 To 100, Deduct* | *-4.25* | |
| | | *For >100 To 500, Deduct* | *-8.16* | |
| | | *For >500 To 1,000, Deduct* | *-15.05* | |
| | | *For >1,000, Deduct* | *-19.97* | |
| 21 13 13 00-0204 | EA | 1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150) | 61.14 | 14.74 |
| | | *For >25 To 50, Deduct* | *-1.23* | |
| | | *For >50 To 100, Deduct* | *-4.29* | |
| | | *For >100 To 500, Deduct* | *-8.26* | |
| | | *For >500 To 1,000, Deduct* | *-15.18* | |
| | | *For >1,000, Deduct* | *-20.10* | |
| 21 13 13 00-0205 | EA | 1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150) | 53.60 | 14.74 |
| | | *For >25 To 50, Deduct* | *-1.23* | |
| | | *For >50 To 100, Deduct* | *-3.91* | |
| | | *For >100 To 500, Deduct* | *-7.31* | |
| | | *For >500 To 1,000, Deduct* | *-13.83* | |
| | | *For >1,000, Deduct* | *-18.74* | |
| 21 13 13 00-0206 | EA | 1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150) | 53.60 | 14.74 |
| | | *For >25 To 50, Deduct* | *-1.23* | |
| | | *For >50 To 100, Deduct* | *-3.91* | |
| | | *For >100 To 500, Deduct* | *-7.31* | |
| | | *For >500 To 1,000, Deduct* | *-13.83* | |
| | | *For >1,000, Deduct* | *-18.74* | |
| 21 13 13 00-0207 | EA | 1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150) | 53.60 | 14.74 |
| | | *For >25 To 50, Deduct* | *-1.23* | |
| | | *For >50 To 100, Deduct* | *-3.91* | |
| | | *For >100 To 500, Deduct* | *-7.31* | |
| | | *For >500 To 1,000, Deduct* | *-13.83* | |
| | | *For >1,000, Deduct* | *-18.74* | |
| 21 13 13 00-0208 | EA | 1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175) | 59.96 | 16.03 |
| | | *For >25 To 50, Deduct* | *-1.34* | |
| | | *For >50 To 100, Deduct* | *-4.33* | |
| | | *For >100 To 500, Deduct* | *-8.16* | |
| | | *For >500 To 1,000, Deduct* | *-15.34* | |
| | | *For >1,000, Deduct* | *-20.68* | |

## 21 13 13 00-0209 Sprinkler Head Escutcheon *(21 13 13 00-0200)*

| | | | | |
|---|---|---|---|---|
| 21 13 13 00-0210 | EA | 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon | 23.41 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.61* | |
| | | *For >100 To 500, Deduct* | *-3.14* | |
| | | *For >500 To 1,000, Deduct* | *-5.70* | |
| | | *For >1,000, Deduct* | *-7.44* | |
| 21 13 13 00-0211 | EA | 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon | 16.00 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.24* | |
| | | *For >100 To 500, Deduct* | *-2.22* | |
| | | *For >500 To 1,000, Deduct* | *-4.36* | |
| | | *For >1,000, Deduct* | *-6.11* | |
| 21 13 13 00-0212 | EA | 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon | 16.00 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.24* | |
| | | *For >100 To 500, Deduct* | *-2.22* | |
| | | *For >500 To 1,000, Deduct* | *-4.36* | |
| | | *For >1,000, Deduct* | *-6.11* | |
| 21 13 13 00-0213 | EA | 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon | 23.41 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.61* | |
| | | *For >100 To 500, Deduct* | *-3.14* | |
| | | *For >500 To 1,000, Deduct* | *-5.70* | |
| | | *For >1,000, Deduct* | *-7.44* | |
| 21 13 13 00-0214 | EA | 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon | 16.00 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.24* | |
| | | *For >100 To 500, Deduct* | *-2.22* | |
| | | *For >500 To 1,000, Deduct* | *-4.36* | |
| | | *For >1,000, Deduct* | *-6.11* | |
| 21 13 13 00-0215 | EA | 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon | 16.00 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.24* | |
| | | *For >100 To 500, Deduct* | *-2.22* | |
| | | *For >500 To 1,000, Deduct* | *-4.36* | |
| | | *For >1,000, Deduct* | *-6.11* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0216 | EA | 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon | 22.07 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.54* | |
| | | *For >100 To 500, Deduct* | *-2.98* | |
| | | *For >500 To 1,000, Deduct* | *-5.46* | |
| | | *For >1,000, Deduct* | *-7.20* | |
| 21 13 13 00-0217 | EA | 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon | 16.00 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.24* | |
| | | *For >100 To 500, Deduct* | *-2.22* | |
| | | *For >500 To 1,000, Deduct* | *-4.36* | |
| | | *For >1,000, Deduct* | *-6.11* | |
| 21 13 13 00-0218 | EA | 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon | 16.00 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.24* | |
| | | *For >100 To 500, Deduct* | *-2.22* | |
| | | *For >500 To 1,000, Deduct* | *-4.36* | |
| | | *For >1,000, Deduct* | *-6.11* | |
| 21 13 13 00-0219 | EA | 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon | 22.07 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.54* | |
| | | *For >100 To 500, Deduct* | *-2.98* | |
| | | *For >500 To 1,000, Deduct* | *-5.46* | |
| | | *For >1,000, Deduct* | *-7.20* | |
| 21 13 13 00-0220 | EA | 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon | 16.00 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.24* | |
| | | *For >100 To 500, Deduct* | *-2.22* | |
| | | *For >500 To 1,000, Deduct* | *-4.36* | |
| | | *For >1,000, Deduct* | *-6.11* | |
| 21 13 13 00-0221 | EA | 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon | 16.00 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.24* | |
| | | *For >100 To 500, Deduct* | *-2.22* | |
| | | *For >500 To 1,000, Deduct* | *-4.36* | |
| | | *For >1,000, Deduct* | *-6.11* | |
| 21 13 13 00-0222 | EA | 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon | 22.74 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.57* | |
| | | *For >100 To 500, Deduct* | *-3.06* | |
| | | *For >500 To 1,000, Deduct* | *-5.58* | |
| | | *For >1,000, Deduct* | *-7.32* | |
| 21 13 13 00-0223 | EA | 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon | 22.74 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.57* | |
| | | *For >100 To 500, Deduct* | *-3.06* | |
| | | *For >500 To 1,000, Deduct* | *-5.58* | |
| | | *For >1,000, Deduct* | *-7.32* | |
| 21 13 13 00-0224 | EA | 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon | 8.79 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.73* | |
| | | *For >100 To 500, Deduct* | *-1.24* | |
| | | *For >500 To 1,000, Deduct* | *-2.57* | |
| | | *For >1,000, Deduct* | *-3.74* | |
| 21 13 13 00-0225 | EA | 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon | 7.86 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.68* | |
| | | *For >100 To 500, Deduct* | *-1.13* | |
| | | *For >500 To 1,000, Deduct* | *-2.40* | |
| | | *For >1,000, Deduct* | *-3.57* | |
| 21 13 13 00-0226 | EA | 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon | 8.11 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.70* | |
| | | *For >100 To 500, Deduct* | *-1.16* | |
| | | *For >500 To 1,000, Deduct* | *-2.45* | |
| | | *For >1,000, Deduct* | *-3.61* | |
| 21 13 13 00-0227 | EA | 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon | 8.96 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.74* | |
| | | *For >100 To 500, Deduct* | *-1.27* | |
| | | *For >500 To 1,000, Deduct* | *-2.60* | |
| | | *For >1,000, Deduct* | *-3.77* | |
| 21 13 13 00-0228 | EA | 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon | 8.03 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.69* | |
| | | *For >100 To 500, Deduct* | *-1.15* | |
| | | *For >500 To 1,000, Deduct* | *-2.43* | |
| | | *For >1,000, Deduct* | *-3.60* | |
| 21 13 13 00-0229 | EA | 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon | 8.03 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.69* | |
| | | *For >100 To 500, Deduct* | *-1.15* | |
| | | *For >500 To 1,000, Deduct* | *-2.43* | |
| | | *For >1,000, Deduct* | *-3.60* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0230 | EA | 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon | 9.93 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.79* | |
| | | *For >100 To 500, Deduct* | *-1.39* | |
| | | *For >500 To 1,000, Deduct* | *-2.78* | |
| | | *For >1,000, Deduct* | *-3.94* | |
| 21 13 13 00-0231 | EA | 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon | 8.00 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.69* | |
| | | *For >100 To 500, Deduct* | *-1.15* | |
| | | *For >500 To 1,000, Deduct* | *-2.43* | |
| | | *For >1,000, Deduct* | *-3.59* | |
| 21 13 13 00-0232 | EA | 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon | 8.00 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.69* | |
| | | *For >100 To 500, Deduct* | *-1.15* | |
| | | *For >500 To 1,000, Deduct* | *-2.43* | |
| | | *For >1,000, Deduct* | *-3.59* | |
| 21 13 13 00-0233 | EA | 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon | 13.32 | 5.38 |
| | | *For >25 To 50, Deduct* | *-0.41* | |
| | | *For >50 To 100, Deduct* | *-1.07* | |
| | | *For >100 To 500, Deduct* | *-1.87* | |
| | | *For >500 To 1,000, Deduct* | *-3.78* | |
| | | *For >1,000, Deduct* | *-5.41* | |
| 21 13 13 00-0234 | EA | 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon | 12.82 | 5.38 |
| | | *For >25 To 50, Deduct* | *-0.41* | |
| | | *For >50 To 100, Deduct* | *-1.05* | |
| | | *For >100 To 500, Deduct* | *-1.81* | |
| | | *For >500 To 1,000, Deduct* | *-3.69* | |
| | | *For >1,000, Deduct* | *-5.32* | |
| 21 13 13 00-0235 | EA | 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon | 12.99 | 5.38 |
| | | *For >25 To 50, Deduct* | *-0.41* | |
| | | *For >50 To 100, Deduct* | *-1.06* | |
| | | *For >100 To 500, Deduct* | *-1.83* | |
| | | *For >500 To 1,000, Deduct* | *-3.72* | |
| | | *For >1,000, Deduct* | *-5.35* | |
| 21 13 13 00-0236 | EA | 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon | 13.49 | 5.38 |
| | | *For >25 To 50, Deduct* | *-0.41* | |
| | | *For >50 To 100, Deduct* | *-1.08* | |
| | | *For >100 To 500, Deduct* | *-1.89* | |
| | | *For >500 To 1,000, Deduct* | *-3.81* | |
| | | *For >1,000, Deduct* | *-5.44* | |
| 21 13 13 00-0237 | EA | 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon | 12.99 | 5.38 |
| | | *For >25 To 50, Deduct* | *-0.41* | |
| | | *For >50 To 100, Deduct* | *-1.06* | |
| | | *For >100 To 500, Deduct* | *-1.83* | |
| | | *For >500 To 1,000, Deduct* | *-3.72* | |
| | | *For >1,000, Deduct* | *-5.35* | |
| 21 13 13 00-0238 | EA | 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon | 13.32 | 5.38 |
| | | *For >25 To 50, Deduct* | *-0.41* | |
| | | *For >50 To 100, Deduct* | *-1.07* | |
| | | *For >100 To 500, Deduct* | *-1.87* | |
| | | *For >500 To 1,000, Deduct* | *-3.78* | |
| | | *For >1,000, Deduct* | *-5.41* | |
| 21 13 13 00-0239 | EA | Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head | 28.85 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.88* | |
| | | *For >100 To 500, Deduct* | *-3.82* | |
| | | *For >500 To 1,000, Deduct* | *-6.68* | |
| | | *For >1,000, Deduct* | *-8.42* | |
| 21 13 13 00-0240 | EA | Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head | 28.85 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.88* | |
| | | *For >100 To 500, Deduct* | *-3.82* | |
| | | *For >500 To 1,000, Deduct* | *-6.68* | |
| | | *For >1,000, Deduct* | *-8.42* | |
| 21 13 13 00-0241 | EA | Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head | 28.85 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.88* | |
| | | *For >100 To 500, Deduct* | *-3.82* | |
| | | *For >500 To 1,000, Deduct* | *-6.68* | |
| | | *For >1,000, Deduct* | *-8.42* | |
| 21 13 13 00-0242 | EA | Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head | 28.85 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.88* | |
| | | *For >100 To 500, Deduct* | *-3.82* | |
| | | *For >500 To 1,000, Deduct* | *-6.68* | |
| | | *For >1,000, Deduct* | *-8.42* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0243 | EA | Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head | 28.85 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.88* | |
| | | *For >100 To 500, Deduct* | *-3.82* | |
| | | *For >500 To 1,000, Deduct* | *-6.68* | |
| | | *For >1,000, Deduct* | *-8.42* | |
| 21 13 13 00-0244 | EA | White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head | 28.85 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-1.88* | |
| | | *For >100 To 500, Deduct* | *-3.82* | |
| | | *For >500 To 1,000, Deduct* | *-6.68* | |
| | | *For >1,000, Deduct* | *-8.42* | |
| 21 13 13 00-0245 | EA | 2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head | 33.45 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-2.11* | |
| | | *For >100 To 500, Deduct* | *-4.40* | |
| | | *For >500 To 1,000, Deduct* | *-7.51* | |
| | | *For >1,000, Deduct* | *-9.25* | |
| 21 13 13 00-0246 | EA | 2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head | 34.52 | 5.24 |
| | | *For >25 To 50, Deduct* | *-0.44* | |
| | | *For >50 To 100, Deduct* | *-2.16* | |
| | | *For >100 To 500, Deduct* | *-4.53* | |
| | | *For >500 To 1,000, Deduct* | *-7.70* | |
| | | *For >1,000, Deduct* | *-9.44* | |

## 21 13 13 00-0247 Cover Plate For Sprinkler Heads *(21 13 13 00-0200)*

| | | | | |
|---|---|---|---|---|
| 21 13 13 00-0248 | EA | Chrome Cover Plate For Concealed Pendent Sprinkler Head | 69.71 | 5.93 |
| | | *For >25 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-3.98* | |
| | | *For >100 To 500, Deduct* | *-8.96* | |
| | | *For >500 To 1,000, Deduct* | *-14.23* | |
| | | *For >1,000, Deduct* | *-16.21* | |
| 21 13 13 00-0249 | EA | White Cover Plate For Concealed Pendent Sprinkler Head | 33.20 | 5.93 |
| | | *For >25 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-2.15* | |
| | | *For >100 To 500, Deduct* | *-4.40* | |
| | | *For >500 To 1,000, Deduct* | *-7.66* | |
| | | *For >1,000, Deduct* | *-9.64* | |
| 21 13 13 00-0250 | EA | Specialty Cover Plate For Concealed Pendent Sprinkler Head | 49.03 | 5.93 |
| | | *For >25 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-2.95* | |
| | | *For >100 To 500, Deduct* | *-6.38* | |
| | | *For >500 To 1,000, Deduct* | *-10.51* | |
| | | *For >1,000, Deduct* | *-12.48* | |
| 21 13 13 00-0251 | EA | Brass Cover Plate For Concealed Sidewall Sprinkler Head | 44.93 | 5.93 |
| | | *For >25 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-2.74* | |
| | | *For >100 To 500, Deduct* | *-5.86* | |
| | | *For >500 To 1,000, Deduct* | *-9.77* | |
| | | *For >1,000, Deduct* | *-11.75* | |
| 21 13 13 00-0252 | EA | Chrome Cover Plate For Concealed Sidewall Sprinkler Head | 35.61 | 5.93 |
| | | *For >25 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-2.28* | |
| | | *For >100 To 500, Deduct* | *-4.70* | |
| | | *For >500 To 1,000, Deduct* | *-8.09* | |
| | | *For >1,000, Deduct* | *-10.07* | |
| 21 13 13 00-0253 | EA | White Cover Plate For Concealed Sidewall Sprinkler Head | 35.61 | 5.93 |
| | | *For >25 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-2.28* | |
| | | *For >100 To 500, Deduct* | *-4.70* | |
| | | *For >500 To 1,000, Deduct* | *-8.09* | |
| | | *For >1,000, Deduct* | *-10.07* | |
| 21 13 13 00-0254 | EA | Off-White Cover Plate For Concealed Sidewall Sprinkler Head | 44.93 | 5.93 |
| | | *For >25 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-2.74* | |
| | | *For >100 To 500, Deduct* | *-5.86* | |
| | | *For >500 To 1,000, Deduct* | *-9.77* | |
| | | *For >1,000, Deduct* | *-11.75* | |
| 21 13 13 00-0255 | EA | Black Painted Cover Plate For Concealed Sidewall Sprinkler Head | 44.93 | 5.93 |
| | | *For >25 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-2.74* | |
| | | *For >100 To 500, Deduct* | *-5.86* | |
| | | *For >500 To 1,000, Deduct* | *-9.77* | |
| | | *For >1,000, Deduct* | *-11.75* | |
| 21 13 13 00-0256 | EA | Black Plated Cover Plate For Concealed Sidewall Sprinkler Head | 52.31 | 5.93 |
| | | *For >25 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-3.11* | |
| | | *For >100 To 500, Deduct* | *-6.79* | |
| | | *For >500 To 1,000, Deduct* | *-11.10* | |
| | | *For >1,000, Deduct* | *-13.08* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0257 | EA | Bright Brass Cover Plate For Concealed Sidewall Sprinkler Head | 52.31 | 5.93 |
| | | *For >25 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-3.11* | |
| | | *For >100 To 500, Deduct* | *-6.79* | |
| | | *For >500 To 1,000, Deduct* | *-11.10* | |
| | | *For >1,000, Deduct* | *-13.08* | |
| 21 13 13 00-0258 | EA | Satin Chrome Cover Plate For Concealed Sidewall Sprinkler Head | 52.31 | 5.93 |
| | | *For >25 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-3.11* | |
| | | *For >100 To 500, Deduct* | *-6.79* | |
| | | *For >500 To 1,000, Deduct* | *-11.10* | |
| | | *For >1,000, Deduct* | *-13.08* | |
| 21 13 13 00-0259 | EA | Specialty Cover Plate For Concealed Sidewall Sprinkler Head | 44.97 | 5.93 |
| | | *For >25 To 50, Deduct* | *-0.49* | |
| | | *For >50 To 100, Deduct* | *-2.74* | |
| | | *For >100 To 500, Deduct* | *-5.87* | |
| | | *For >500 To 1,000, Deduct* | *-9.78* | |
| | | *For >1,000, Deduct* | *-11.75* | |
| 21 13 13 00-0260 | EA | White Cover Plate For Quick Release Concealed Sidewall Sprinkler Head | 77.43 | 6.98 |
| | | *For >25 To 50, Deduct* | *-0.58* | |
| | | *For >50 To 100, Deduct* | *-4.45* | |
| | | *For >100 To 500, Deduct* | *-9.97* | |
| | | *For >500 To 1,000, Deduct* | *-15.91* | |
| | | *For >1,000, Deduct* | *-18.24* | |
| **21 13 13 00-0261** | | **Sprinkler Escutcheon Extension Tube** *(21 13 13 00-0200)* | | |
| 21 13 13 00-0262 | EA | 2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube<br>Note: For use with 2 piece escutcheons | 17.39 | 3.50 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-1.16* | |
| | | *For >100 To 500, Deduct* | *-2.32* | |
| | | *For >500 To 1,000, Deduct* | *-4.12* | |
| | | *For >1,000, Deduct* | *-5.28* | |
| 21 13 13 00-0263 | EA | 2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube<br>Note: For use with 2 piece escutcheons | 22.82 | 3.67 |
| | | *For >25 To 50, Deduct* | *-0.31* | |
| | | *For >50 To 100, Deduct* | *-1.45* | |
| | | *For >100 To 500, Deduct* | *-3.01* | |
| | | *For >500 To 1,000, Deduct* | *-5.15* | |
| | | *For >1,000, Deduct* | *-6.37* | |
| 21 13 13 00-0264 | EA | 2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube<br>Note: For use with 2 piece escutcheons | 28.89 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.32* | |
| | | *For >50 To 100, Deduct* | *-1.76* | |
| | | *For >100 To 500, Deduct* | *-3.77* | |
| | | *For >500 To 1,000, Deduct* | *-6.29* | |
| | | *For >1,000, Deduct* | *-7.57* | |
| 21 13 13 00-0265 | EA | 2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube<br>Note: For use with 2 piece escutcheons | 34.33 | 4.02 |
| | | *For >25 To 50, Deduct* | *-0.33* | |
| | | *For >50 To 100, Deduct* | *-2.05* | |
| | | *For >100 To 500, Deduct* | *-4.46* | |
| | | *For >500 To 1,000, Deduct* | *-7.32* | |
| | | *For >1,000, Deduct* | *-8.65* | |
| **21 13 13 00-0266** | | **Sprinkler Head Guards** *(21 13 13 00-0200)* | | |
| 21 13 13 00-0267 | EA | Universal Sprinkler Head Guard, C-1 | 24.82 | 10.48 |
| | | *For >25 To 50, Deduct* | *-0.87* | |
| | | *For >50 To 100, Deduct* | *-2.11* | |
| | | *For >100 To 500, Deduct* | *-3.54* | |
| | | *For >500 To 1,000, Deduct* | *-7.44* | |
| | | *For >1,000, Deduct* | *-10.93* | |
| 21 13 13 00-0268 | EA | Dry Pendent Sprinkler Head Guard, C-2 | 27.67 | 10.48 |
| | | *For >25 To 50, Deduct* | *-0.87* | |
| | | *For >50 To 100, Deduct* | *-2.26* | |
| | | *For >100 To 500, Deduct* | *-3.90* | |
| | | *For >500 To 1,000, Deduct* | *-7.95* | |
| | | *For >1,000, Deduct* | *-11.44* | |
| 21 13 13 00-0269 | EA | Upright Sprinkler Head Guard With Water Shield, C-3 | 32.53 | 10.48 |
| | | *For >25 To 50, Deduct* | *-0.87* | |
| | | *For >50 To 100, Deduct* | *-2.50* | |
| | | *For >100 To 500, Deduct* | *-4.50* | |
| | | *For >500 To 1,000, Deduct* | *-8.82* | |
| | | *For >1,000, Deduct* | *-12.32* | |
| 21 13 13 00-0270 | EA | Pendent Sprinkler Head Guard With Water Shield, C-5 | 38.53 | 10.48 |
| | | *For >25 To 50, Deduct* | *-0.87* | |
| | | *For >50 To 100, Deduct* | *-2.80* | |
| | | *For >100 To 500, Deduct* | *-5.25* | |
| | | *For >500 To 1,000, Deduct* | *-9.90* | |
| | | *For >1,000, Deduct* | *-13.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0271 | EA | Universal Sprinkler Head Guard, D-1 | 27.56 | 10.48 |
| | | *For >25 To 50, Deduct* | *-0.87* | |
| | | *For >50 To 100, Deduct* | *-2.25* | |
| | | *For >100 To 500, Deduct* | *-3.88* | |
| | | *For >500 To 1,000, Deduct* | *-7.93* | |
| | | *For >1,000, Deduct* | *-11.42* | |
| 21 13 13 00-0272 | EA | Upright Sprinkler Head Guard With Water Shield, D-3 | 29.41 | 10.48 |
| | | *For >25 To 50, Deduct* | *-0.87* | |
| | | *For >50 To 100, Deduct* | *-2.34* | |
| | | *For >100 To 500, Deduct* | *-4.11* | |
| | | *For >500 To 1,000, Deduct* | *-8.26* | |
| | | *For >1,000, Deduct* | *-11.75* | |
| 21 13 13 00-0273 | EA | Pendent Sprinkler Head Guard With Large Water Shield, D-4 | 43.16 | 10.48 |
| | | *For >25 To 50, Deduct* | *-0.87* | |
| | | *For >50 To 100, Deduct* | *-3.03* | |
| | | *For >100 To 500, Deduct* | *-5.83* | |
| | | *For >500 To 1,000, Deduct* | *-10.74* | |
| | | *For >1,000, Deduct* | *-14.23* | |
| 21 13 13 00-0274 | EA | Pendent Sprinkler Head Guard With Small Water Shield, D-5 | 40.41 | 10.48 |
| | | *For >25 To 50, Deduct* | *-0.87* | |
| | | *For >50 To 100, Deduct* | *-2.89* | |
| | | *For >100 To 500, Deduct* | *-5.49* | |
| | | *For >500 To 1,000, Deduct* | *-10.24* | |
| | | *For >1,000, Deduct* | *-13.73* | |

21 13 13 00-0275 Replacement Sprinkler Escutcheon *(21 13 13 00-0200)*

| | | | | |
|---|---|---|---|---|
| 21 13 13 00-0276 | EA | Push On, Brass Replacement Sprinkler Escutcheon | 12.18 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.90* | |
| | | *For >100 To 500, Deduct* | *-1.67* | |
| | | *For >500 To 1,000, Deduct* | *-3.18* | |
| | | *For >1,000, Deduct* | *-4.35* | |
| 21 13 13 00-0277 | EA | Push On, Chrome Replacement Sprinkler Escutcheon | 12.10 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.90* | |
| | | *For >100 To 500, Deduct* | *-1.66* | |
| | | *For >500 To 1,000, Deduct* | *-3.17* | |
| | | *For >1,000, Deduct* | *-4.33* | |
| 21 13 13 00-0278 | EA | Push On, White Replacement Sprinkler Escutcheon | 12.10 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.90* | |
| | | *For >100 To 500, Deduct* | *-1.66* | |
| | | *For >500 To 1,000, Deduct* | *-3.17* | |
| | | *For >1,000, Deduct* | *-4.33* | |
| 21 13 13 00-0279 | EA | Flush, Brass Replacement Sprinkler Escutcheon | 12.10 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.90* | |
| | | *For >100 To 500, Deduct* | *-1.66* | |
| | | *For >500 To 1,000, Deduct* | *-3.17* | |
| | | *For >1,000, Deduct* | *-4.33* | |
| 21 13 13 00-0280 | EA | Flush, Chrome Replacement Sprinkler Escutcheon | 12.10 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.90* | |
| | | *For >100 To 500, Deduct* | *-1.66* | |
| | | *For >500 To 1,000, Deduct* | *-3.17* | |
| | | *For >1,000, Deduct* | *-4.33* | |
| 21 13 13 00-0281 | EA | Flush, White Replacement Sprinkler Escutcheon | 14.90 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-1.04* | |
| | | *For >100 To 500, Deduct* | *-2.01* | |
| | | *For >500 To 1,000, Deduct* | *-3.67* | |
| | | *For >1,000, Deduct* | *-4.84* | |
| 21 13 13 00-0282 | EA | Deep, Brass Replacement Sprinkler Escutcheon | 12.10 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.90* | |
| | | *For >100 To 500, Deduct* | *-1.66* | |
| | | *For >500 To 1,000, Deduct* | *-3.17* | |
| | | *For >1,000, Deduct* | *-4.33* | |
| 21 13 13 00-0283 | EA | Deep, Chrome Replacement Sprinkler Escutcheon | 12.10 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.90* | |
| | | *For >100 To 500, Deduct* | *-1.66* | |
| | | *For >500 To 1,000, Deduct* | *-3.17* | |
| | | *For >1,000, Deduct* | *-4.33* | |
| 21 13 13 00-0284 | EA | Deep, White Replacement Sprinkler Escutcheon | 12.10 | 3.84 |
| | | *For >25 To 50, Deduct* | *-0.29* | |
| | | *For >50 To 100, Deduct* | *-0.90* | |
| | | *For >100 To 500, Deduct* | *-1.66* | |
| | | *For >500 To 1,000, Deduct* | *-3.17* | |
| | | *For >1,000, Deduct* | *-4.33* | |

21 13 13 00-0285 Pendent Shield And O-Ring Assembly *(21 13 13 00-0200)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 13 00-0286 | EA | Pendent Shield And O-Ring Assembly | 19.18 | 7.69 |
| | | *For >25 To 50, Deduct* | *-0.58* | |
| | | *For >50 To 100, Deduct* | *-1.54* | |
| | | *For >100 To 500, Deduct* | *-2.69* | |
| | | *For >500 To 1,000, Deduct* | *-5.43* | |
| | | *For >1,000, Deduct* | *-7.76* | |

### 21 13 13 00-0287 Replacement Insulating Sealing Assembly *(21 13 13 00-0200)*

| | | | | |
|---|---|---|---|---|
| 21 13 13 00-0288 | EA | Insulating Sealing Assembly | 80.30 | 17.46 |
| | | *For >100 To 500, Deduct* | *-10.91* | |
| | | *For >500 To 1,000, Deduct* | *-20.39* | |

### 21 13 13 00-0289 Flexible Sprinkler Piping *(21 13 13 00-0011)*

Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.

| | | | | |
|---|---|---|---|---|
| 21 13 13 00-0290 | EA | 2' Long, 3/4" Stainless Steel Flexible Sprinkler Piping<br>Note: Includes ceiling mounting bracket. | 79.21 | 18.04 |
| | | *For >25 To 50, Deduct* | *-1.82* | |
| | | *For >50 To 100, Deduct* | *-5.78* | |
| | | *For >100 To 500, Deduct* | *-10.81* | |
| | | *For >500 To 1,000, Deduct* | *-20.44* | |
| | | *For >1,000, Deduct* | *-27.71* | |
| 21 13 13 00-0291 | EA | 3' Long, 3/4" Stainless Steel Flexible Sprinkler Piping<br>Note: Includes ceiling mounting bracket. | 87.66 | 18.62 |
| | | *For >25 To 50, Deduct* | *-1.91* | |
| | | *For >50 To 100, Deduct* | *-6.30* | |
| | | *For >100 To 500, Deduct* | *-11.91* | |
| | | *For >500 To 1,000, Deduct* | *-22.29* | |
| | | *For >1,000, Deduct* | *-29.95* | |
| 21 13 13 00-0292 | EA | 4' Long, 3/4" Stainless Steel Flexible Sprinkler Piping<br>Note: Includes ceiling mounting bracket. | 96.27 | 19.78 |
| | | *For >25 To 50, Deduct* | *-2.02* | |
| | | *For >50 To 100, Deduct* | *-6.83* | |
| | | *For >100 To 500, Deduct* | *-13.04* | |
| | | *For >500 To 1,000, Deduct* | *-24.20* | |
| | | *For >1,000, Deduct* | *-32.28* | |
| 21 13 13 00-0293 | EA | 5' Long, 3/4" Stainless Steel Flexible Sprinkler Piping<br>Note: Includes ceiling mounting bracket. | 105.18 | 20.95 |
| | | *For >25 To 50, Deduct* | *-2.14* | |
| | | *For >50 To 100, Deduct* | *-7.40* | |
| | | *For >100 To 500, Deduct* | *-14.22* | |
| | | *For >500 To 1,000, Deduct* | *-26.21* | |
| | | *For >1,000, Deduct* | *-34.76* | |
| 21 13 13 00-0294 | EA | 6' Long, 3/4" Stainless Steel Flexible Sprinkler Piping<br>Note: Includes ceiling mounting bracket. | 114.36 | 23.28 |
| | | *For >25 To 50, Deduct* | *-2.27* | |
| | | *For >50 To 100, Deduct* | *-7.99* | |
| | | *For >100 To 500, Deduct* | *-15.43* | |
| | | *For >500 To 1,000, Deduct* | *-28.31* | |
| | | *For >1,000, Deduct* | *-37.41* | |

### 21 13 13 00-0295 Sprinkler Emergency Cabinets *(21 13 13 00-0011)*

| | | | |
|---|---|---|---|
| 21 13 13 00-0296 | EA | 3 Capacity Emergency Sprinkler Cabinet, A4 | 123.63 |
| 21 13 13 00-0297 | EA | 6 Capacity Emergency Sprinkler Cabinet, A4 | 129.45 |
| 21 13 13 00-0298 | EA | 12 Capacity Emergency Sprinkler Cabinet, A4 | 138.32 |
| 21 13 13 00-0299 | EA | 12 Capacity Emergency Sprinkler Cabinet, A3 | 441.25 |
| 21 13 13 00-0300 | EA | Sprinkler Wrench, RC1 | 216.44 |
| 21 13 13 00-0301 | EA | Sprinkler Wrench, FC | 215.59 |
| 21 13 13 00-0302 | EA | Sprinkler Wrench, W2 | 71.58 |

## 21 13 16 Dry-Pipe Sprinkler Systems *(21 13)*

### 21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems Assembly *(21 13 16)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

### 21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 16 00-0003 | EA | Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads. | 890.32 | |
| | | *For Up To 5, Add* | *396.98* | |
| | | *For >5 To 10, Add* | *191.16* | |
| | | *For >10 To 20, Add* | *150.31* | |
| | | *For >20 To 40, Add* | *64.94* | |
| | | *For >100 To 150, Deduct* | *-89.03* | |
| | | *For >150, Deduct* | *-178.06* | |
| | | *For Copper Pipe, Add* | *113.12* | |
| | | *For Polyvinyl Chloride (PVC) Pipe, Deduct* | *-157.64* | |
| 21 13 16 00-0004 | EA | Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. | 1,072.03 | |
| | | *For Up To 5, Add* | *484.22* | |
| | | *For >5 To 10, Add* | *245.73* | |
| | | *For >10 To 20, Add* | *190.32* | |
| | | *For >20 To 40, Add* | *81.31* | |
| | | *For >100 To 150, Deduct* | *-107.20* | |
| | | *For >150, Deduct* | *-214.41* | |
| | | *For Copper Pipe, Add* | *133.10* | |
| | | *For Polyvinyl Chloride (PVC) Pipe, Deduct* | *-186.70* | |
| | | *For Work In Restricted Working Space, Add* | *166.24* | |

## 21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 16 00-0006 | EA | Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads. | 862.30 | |
| | | *For Up To 5, Add* | *385.26* | |
| | | *For >5 To 10, Add* | *187.08* | |
| | | *For >10 To 20, Add* | *146.74* | |
| | | *For >20 To 40, Add* | *63.29* | |
| | | *For >100 To 150, Deduct* | *-86.23* | |
| | | *For >150, Deduct* | *-172.46* | |
| | | *For Copper Pipe, Add* | *109.17* | |
| | | *For Polyvinyl Chloride (PVC) Pipe, Deduct* | *-152.29* | |
| 21 13 16 00-0007 | EA | Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. | 1,040.73 | |
| | | *For Up To 5, Add* | *471.04* | |
| | | *For >5 To 10, Add* | *240.93* | |
| | | *For >10 To 20, Add* | *186.19* | |
| | | *For >20 To 40, Add* | *79.41* | |
| | | *For >100 To 150, Deduct* | *-104.07* | |
| | | *For >150, Deduct* | *-208.15* | |
| | | *For Copper Pipe, Add* | *128.74* | |
| | | *For Polyvinyl Chloride (PVC) Pipe, Deduct* | *-180.77* | |
| | | *For Work In Restricted Working Space, Add* | *164.23* | |

## 21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 16 00-0009 | EA | Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads. | 810.73 | |
| | | *For Up To 5, Add* | *361.88* | |
| | | *For >5 To 10, Add* | *175.05* | |
| | | *For >10 To 20, Add* | *137.46* | |
| | | *For >20 To 40, Add* | *59.33* | |
| | | *For >100 To 150, Deduct* | *-81.07* | |
| | | *For >150, Deduct* | *-162.15* | |
| | | *For Copper Pipe, Add* | *102.81* | |
| | | *For Polyvinyl Chloride (PVC) Pipe, Deduct* | *-143.35* | |
| 21 13 16 00-0010 | EA | Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. | 968.63 | |
| | | *For Up To 5, Add* | *438.44* | |
| | | *For >5 To 10, Add* | *224.34* | |
| | | *For >10 To 20, Add* | *173.35* | |
| | | *For >20 To 40, Add* | *73.93* | |
| | | *For >100 To 150, Deduct* | *-96.86* | |
| | | *For >150, Deduct* | *-193.73* | |
| | | *For Copper Pipe, Add* | *119.80* | |
| | | *For Polyvinyl Chloride (PVC) Pipe, Deduct* | *-168.23* | |
| | | *For Work In Restricted Working Space, Add* | *152.97* | |

## 21 13 16 00-0011 Dry-Pipe Sprinkler System Compressors *(21 13 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 16 00-0012 | EA | Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge | 2,611.23 | 329.78 |
| 21 13 16 00-0013 | EA | Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge | 2,727.75 | 329.78 |
| 21 13 16 00-0014 | EA | Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge | 2,826.07 | 329.78 |
| 21 13 16 00-0015 | EA | Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge | 3,208.40 | 329.78 |

## 21 13 16 00-0016 Dry Pipe Sprinkler System Components *(21 13 16)*

## 21 13 16 00-0017 Dry Pipe Valves *(21 13 16 00-0016)*

Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.

| | | | | |
|---|---|---|---|---|
| 21 13 16 00-0018 | EA | 2-1/2" Dry Pipe Valve | 4,133.17 | 220.40 |
| 21 13 16 00-0019 | EA | 3" Dry Pipe Valve | 4,601.06 | 252.46 |
| 21 13 16 00-0020 | EA | 4" Dry Pipe Valve | 5,117.28 | 428.78 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 16 00-0021 | EA | 6" Dry Pipe Valve | 6,489.69 | 540.98 |
| 21 13 16 00-0022 | EA | 8" Dry Pipe Valve | 9,954.04 | 544.99 |
| **21 13 16 00-0023** | | **Dry Pipe Valve Trim** *(21 13 16 00-0016)* | | |
| | | Note: Includes gauges, pressure switch, air supply and drain lines. | | |
| 21 13 16 00-0024 | EA | 2-1/2" Dry Pipe Valve Trim | 2,107.02 | 310.97 |
| | | *For Accelerator and Trim, Add* | *1,347.97* | |
| | | *For Priming Chamber, Add* | *217.02* | |
| 21 13 16 00-0025 | EA | 3" Dry Pipe Valve Trim | 2,155.10 | 341.96 |
| | | *For Accelerator and Trim, Add* | *1,347.97* | |
| | | *For Priming Chamber, Add* | *217.02* | |
| 21 13 16 00-0026 | EA | 4" Dry Pipe Valve Trim | 2,415.38 | 426.37 |
| | | *For Accelerator and Trim, Add* | *1,347.97* | |
| | | *For Priming Chamber, Add* | *217.02* | |
| 21 13 16 00-0027 | EA | 6" Dry Pipe Valve Trim | 2,554.31 | 512.93 |
| | | *For Accelerator and Trim, Add* | *1,347.97* | |
| | | *For Priming Chamber, Add* | *217.02* | |
| 21 13 16 00-0028 | EA | 8" Dry Pipe Valve Trim | 2,879.61 | 577.06 |
| | | *For Accelerator and Trim, Add* | *1,347.97* | |
| | | *For Priming Chamber, Add* | *217.02* | |
| **21 13 16 00-0029** | | **Dry Pipe Fire Protection Air Compressors** *(21 13 16 00-0016)* | | |
| 21 13 16 00-0030 | EA | 1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors | 1,460.28 | 160.82 |
| 21 13 16 00-0031 | EA | 3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors | 1,774.02 | 171.20 |
| 21 13 16 00-0032 | EA | 4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors | 2,273.19 | 182.61 |
| 21 13 16 00-0033 | EA | 6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors | 2,475.61 | 210.62 |
| 21 13 16 00-0034 | EA | 7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors | 3,065.15 | 249.02 |
| 21 13 16 00-0035 | EA | 11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors | 3,876.00 | 263.54 |
| 21 13 16 00-0036 | EA | 14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors | 4,699.66 | 273.92 |
| **21 13 16 00-0037** | | **Dry Pipe Fire Protection Nitrogen Generator** *(21 13 16 00-0016)* | | |
| 21 13 16 00-0038 | EA | 675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator | 10,658.59 | 249.02 |
| 21 13 16 00-0039 | EA | 950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator | 11,827.36 | 263.54 |
| 21 13 16 00-0040 | EA | 2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator | 16,803.85 | 342.39 |
| **21 13 16 00-0041** | | **Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response** *(21 13 16 00-0016)* | | |
| 21 13 16 00-0042 | EA | 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 264.69 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-16.73* | |
| | | *For >100 To 500, Deduct* | *-34.83* | |
| | | *For >500 To 1,000, Deduct* | *-59.52* | |
| | | *For >1,000, Deduct* | *-73.48* | |
| 21 13 16 00-0043 | EA | 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 275.91 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-17.29* | |
| | | *For >100 To 500, Deduct* | *-36.23* | |
| | | *For >500 To 1,000, Deduct* | *-61.53* | |
| | | *For >1,000, Deduct* | *-75.50* | |
| 21 13 16 00-0044 | EA | 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 287.15 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-17.85* | |
| | | *For >100 To 500, Deduct* | *-37.64* | |
| | | *For >500 To 1,000, Deduct* | *-63.56* | |
| | | *For >1,000, Deduct* | *-77.52* | |
| 21 13 16 00-0045 | EA | 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 298.40 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-18.41* | |
| | | *For >100 To 500, Deduct* | *-39.05* | |
| | | *For >500 To 1,000, Deduct* | *-65.58* | |
| | | *For >1,000, Deduct* | *-79.55* | |
| 21 13 16 00-0046 | EA | 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 309.64 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-18.97* | |
| | | *For >100 To 500, Deduct* | *-40.45* | |
| | | *For >500 To 1,000, Deduct* | *-67.61* | |
| | | *For >1,000, Deduct* | *-81.57* | |
| 21 13 16 00-0047 | EA | 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 320.87 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-19.54* | |
| | | *For >100 To 500, Deduct* | *-41.85* | |
| | | *For >500 To 1,000, Deduct* | *-69.63* | |
| | | *For >1,000, Deduct* | *-83.59* | |
| 21 13 16 00-0048 | EA | 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 332.09 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-20.10* | |
| | | *For >100 To 500, Deduct* | *-43.26* | |
| | | *For >500 To 1,000, Deduct* | *-71.65* | |
| | | *For >1,000, Deduct* | *-85.61* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 16 00-0049 | EA | 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 343.35 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-20.66* | |
| | | *For >100 To 500, Deduct* | *-44.66* | |
| | | *For >500 To 1,000, Deduct* | *-73.67* | |
| | | *For >1,000, Deduct* | *-87.64* | |
| 21 13 16 00-0050 | EA | 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 354.56 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-21.22* | |
| | | *For >100 To 500, Deduct* | *-46.07* | |
| | | *For >500 To 1,000, Deduct* | *-75.69* | |
| | | *For >1,000, Deduct* | *-89.66* | |
| 21 13 16 00-0051 | EA | 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 365.80 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-21.78* | |
| | | *For >100 To 500, Deduct* | *-47.47* | |
| | | *For >500 To 1,000, Deduct* | *-77.72* | |
| | | *For >1,000, Deduct* | *-91.68* | |
| 21 13 16 00-0052 | EA | 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 377.05 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-22.34* | |
| | | *For >100 To 500, Deduct* | *-48.88* | |
| | | *For >500 To 1,000, Deduct* | *-79.74* | |
| | | *For >1,000, Deduct* | *-93.71* | |
| 21 13 16 00-0053 | EA | 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 388.29 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-22.91* | |
| | | *For >100 To 500, Deduct* | *-50.28* | |
| | | *For >500 To 1,000, Deduct* | *-81.76* | |
| | | *For >1,000, Deduct* | *-95.73* | |
| 21 13 16 00-0054 | EA | 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 399.54 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-23.47* | |
| | | *For >100 To 500, Deduct* | *-51.69* | |
| | | *For >500 To 1,000, Deduct* | *-83.79* | |
| | | *For >1,000, Deduct* | *-97.75* | |
| 21 13 16 00-0055 | EA | 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 410.75 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-24.03* | |
| | | *For >100 To 500, Deduct* | *-53.09* | |
| | | *For >500 To 1,000, Deduct* | *-85.81* | |
| | | *For >1,000, Deduct* | *-99.77* | |
| 21 13 16 00-0056 | EA | 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head | 422.00 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-24.59* | |
| | | *For >100 To 500, Deduct* | *-54.50* | |
| | | *For >500 To 1,000, Deduct* | *-87.83* | |
| | | *For >1,000, Deduct* | *-101.80* | |

## 21 13 16 00-0057 Sidewall Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

| | | | | |
|---|---|---|---|---|
| 21 13 16 00-0058 | EA | 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 261.99 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-16.59* | |
| | | *For >100 To 500, Deduct* | *-34.49* | |
| | | *For >500 To 1,000, Deduct* | *-59.03* | |
| | | *For >1,000, Deduct* | *-73.00* | |
| 21 13 16 00-0059 | EA | 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 273.23 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-17.15* | |
| | | *For >100 To 500, Deduct* | *-35.90* | |
| | | *For >500 To 1,000, Deduct* | *-61.05* | |
| | | *For >1,000, Deduct* | *-75.02* | |
| 21 13 16 00-0060 | EA | 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 284.49 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-17.72* | |
| | | *For >100 To 500, Deduct* | *-37.31* | |
| | | *For >500 To 1,000, Deduct* | *-63.08* | |
| | | *For >1,000, Deduct* | *-77.05* | |
| 21 13 16 00-0061 | EA | 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 295.69 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-18.28* | |
| | | *For >100 To 500, Deduct* | *-38.71* | |
| | | *For >500 To 1,000, Deduct* | *-65.10* | |
| | | *For >1,000, Deduct* | *-79.06* | |
| 21 13 16 00-0062 | EA | 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 306.94 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-18.84* | |
| | | *For >100 To 500, Deduct* | *-40.11* | |
| | | *For >500 To 1,000, Deduct* | *-67.12* | |
| | | *For >1,000, Deduct* | *-81.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 16 00-0063 | EA | 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 318.15 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-19.40* | |
| | | *For >100 To 500, Deduct* | *-41.51* | |
| | | *For >500 To 1,000, Deduct* | *-69.14* | |
| | | *For >1,000, Deduct* | *-83.10* | |
| 21 13 16 00-0064 | EA | 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 329.43 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-19.96* | |
| | | *For >100 To 500, Deduct* | *-42.92* | |
| | | *For >500 To 1,000, Deduct* | *-71.17* | |
| | | *For >1,000, Deduct* | *-85.13* | |
| 21 13 16 00-0065 | EA | 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 340.66 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-20.52* | |
| | | *For >100 To 500, Deduct* | *-44.33* | |
| | | *For >500 To 1,000, Deduct* | *-73.19* | |
| | | *For >1,000, Deduct* | *-87.16* | |
| 21 13 16 00-0066 | EA | 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 351.87 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-21.09* | |
| | | *For >100 To 500, Deduct* | *-45.73* | |
| | | *For >500 To 1,000, Deduct* | *-75.21* | |
| | | *For >1,000, Deduct* | *-89.17* | |
| 21 13 16 00-0067 | EA | 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 363.10 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-21.65* | |
| | | *For >100 To 500, Deduct* | *-47.13* | |
| | | *For >500 To 1,000, Deduct* | *-77.23* | |
| | | *For >1,000, Deduct* | *-91.20* | |
| 21 13 16 00-0068 | EA | 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 374.35 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-22.21* | |
| | | *For >100 To 500, Deduct* | *-48.54* | |
| | | *For >500 To 1,000, Deduct* | *-79.25* | |
| | | *For >1,000, Deduct* | *-93.22* | |
| 21 13 16 00-0069 | EA | 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 385.58 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-22.77* | |
| | | *For >100 To 500, Deduct* | *-49.94* | |
| | | *For >500 To 1,000, Deduct* | *-81.28* | |
| | | *For >1,000, Deduct* | *-95.24* | |
| 21 13 16 00-0070 | EA | 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 419.30 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-24.46* | |
| | | *For >100 To 500, Deduct* | *-54.16* | |
| | | *For >500 To 1,000, Deduct* | *-87.35* | |
| | | *For >1,000, Deduct* | *-101.31* | |
| 21 13 16 00-0071 | EA | 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 430.54 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-25.02* | |
| | | *For >100 To 500, Deduct* | *-55.56* | |
| | | *For >500 To 1,000, Deduct* | *-89.37* | |
| | | *For >1,000, Deduct* | *-103.33* | |
| 21 13 16 00-0072 | EA | 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head | 435.02 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.49* | |
| | | *For >50 To 100, Deduct* | *-25.24* | |
| | | *For >100 To 500, Deduct* | *-56.12* | |
| | | *For >500 To 1,000, Deduct* | *-90.17* | |
| | | *For >1,000, Deduct* | *-104.14* | |

## 21 13 16 00-0073 Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response *(21 13 16 00-0016)*

| | | | | |
|---|---|---|---|---|
| 21 13 16 00-0074 | EA | 23" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head | 1,220.05 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.78* | |
| | | *For >50 To 100, Deduct* | *-64.79* | |
| | | *For >100 To 500, Deduct* | *-154.40* | |
| | | *For >500 To 1,000, Deduct* | *-232.47* | |
| | | *For >1,000, Deduct* | *-247.60* | |
| 21 13 16 00-0075 | EA | 30" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head | 1,220.05 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.78* | |
| | | *For >50 To 100, Deduct* | *-64.79* | |
| | | *For >100 To 500, Deduct* | *-154.40* | |
| | | *For >500 To 1,000, Deduct* | *-232.47* | |
| | | *For >1,000, Deduct* | *-247.60* | |
| 21 13 16 00-0076 | EA | 36" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head | 1,220.05 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.78* | |
| | | *For >50 To 100, Deduct* | *-64.79* | |
| | | *For >100 To 500, Deduct* | *-154.40* | |
| | | *For >500 To 1,000, Deduct* | *-232.47* | |
| | | *For >1,000, Deduct* | *-247.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 16 00-0077 | EA | 36" Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head | 1,220.05 | 23.05 |
| | | *For >25 To 50, Deduct* | *-3.78* | |
| | | *For >50 To 100, Deduct* | *-64.79* | |
| | | *For >100 To 500, Deduct* | *-154.40* | |
| | | *For >500 To 1,000, Deduct* | *-232.47* | |
| | | *For >1,000, Deduct* | *-247.60* | |

## 21 13 19 Preaction Sprinkler Systems *(21 13)*

### 21 13 19 00-0001 Complete Preaction Sprinkler Systems Assemblies *(21 13 19)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

### 21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 19 00-0003 | EA | Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads. | 798.32 | |
| | | *For Up To 5, Add* | *359.67* | |
| | | *For >5 To 10, Add* | *220.18* | |
| | | *For >10 To 20, Add* | *140.34* | |
| | | *For >20 To 40, Add* | *60.09* | |
| | | *For >100 To 150, Deduct* | *-79.83* | |
| | | *For >150, Deduct* | *-159.66* | |

### 21 13 19 00-0004 Extra Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 19 00-0005 | EA | Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly<br>Note: Includes branch pipe and fittings, supports and sprinkler heads. | 743.08 | |
| | | *For Up To 5, Add* | *334.82* | |
| | | *For >5 To 10, Add* | *205.00* | |
| | | *For >10 To 20, Add* | *130.70* | |
| | | *For >20 To 40, Add* | *55.95* | |
| | | *For >100 To 150, Deduct* | *-74.31* | |
| | | *For >150, Deduct* | *-148.62* | |

## 21 13 26 Deluge Fire-Suppression Sprinkler Systems *(21 13)*

### 21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment *(21 13 26)*

See CSI section 23 21 13 23-0000 for pipe and fittings.

### 21 13 26 00-0002 Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment *(21 13 26 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 26 00-0003 | EA | 3" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment | 7,335.24 | 646.62 |
| | | *For Accelerator and Trim, Add* | *1,347.97* | |
| | | *For Priming Chamber, Add* | *217.02* | |
| | | *For Dry-Pilot Activation, Add* | *604.21* | |
| 21 13 26 00-0004 | EA | 4" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment | 9,048.14 | 727.39 |
| | | *For Accelerator and Trim, Add* | *1,347.97* | |
| | | *For Priming Chamber, Add* | *217.02* | |
| | | *For Dry-Pilot Activation, Add* | *759.34* | |
| 21 13 26 00-0005 | EA | 6" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment | 10,801.24 | 1,058.04 |
| | | *For Accelerator and Trim, Add* | *1,347.97* | |
| | | *For Priming Chamber, Add* | *217.02* | |
| | | *For Dry-Pilot Activation, Add* | *868.52* | |
| 21 13 26 00-0006 | EA | 8" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment | 18,134.82 | 1,271.47 |
| | | *For Accelerator and Trim, Add* | *1,347.97* | |
| | | *For Priming Chamber, Add* | *217.02* | |
| | | *For Dry-Pilot Activation, Add* | *1,559.19* | |

## 21 13 39 Foam-Water Systems *(21 13)*

### 21 13 39 00-0001 Foam Control Valves And Monitors *(21 13 39)*

### 21 13 39 00-0002 Control Valves *(21 13 39 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 39 00-0003 | EA | 3" Foam Control Valve | 5,584.62 | 646.62 |

### 21 13 39 00-0004 Supply Valves *(21 13 39 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 39 00-0005 | EA | 2-1/2" Foam Supply Valve | 4,792.59 | 727.39 |

### 21 13 39 00-0006 Proportioners *(21 13 39 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 39 00-0007 | EA | 8" Foam Proportioner | 3,183.10 | 1,058.04 |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 21 13 39 00-0008 | | | Monitors *(21 13 39 00-0001)* | | |
| | 21 13 39 00-0009 | EA | Oscillating Foam Monitor | 6,682.69 | 145.48 |

## 21 13 41 Fire-Suppression Sprinkler Piping *(21 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe and fittings, 22 11 16 00-0383 for copper pipe and fittings, 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0858 for flanged black steel pipe fittings, 23 21 13 23-1456 for grooved pipe, 23 21 13 23-1529 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.

| | | | | | |
|---|---|---|---|---|---|
| 21 13 41 00-0001 | | | Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41)*<br>Note: SDR 13.5 | | |
| 21 13 41 00-0002 | | | Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41 00-0001)* | | |
| | 21 13 41 00-0003 | LF | 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe | 6.18 | 1.86 |
| | | | *For Work In Restricted Working Space, Add* | *1.40* | |
| | 21 13 41 00-0004 | LF | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe | 7.36 | 1.97 |
| | | | *For Work In Restricted Working Space, Add* | *1.50* | |
| | 21 13 41 00-0005 | LF | 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe | 9.16 | 2.22 |
| | | | *For Work In Restricted Working Space, Add* | *1.64* | |
| | 21 13 41 00-0006 | LF | 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe | 11.16 | 2.45 |
| | | | *For Work In Restricted Working Space, Add* | *1.82* | |
| | 21 13 41 00-0007 | LF | 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe | 14.24 | 2.68 |
| | | | *For Work In Restricted Working Space, Add* | *2.03* | |
| | 21 13 41 00-0008 | LF | 2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe | 19.36 | 3.02 |
| | | | *For Work In Restricted Working Space, Add* | *2.31* | |
| | 21 13 41 00-0009 | LF | 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe | 26.86 | 3.61 |
| | | | *For Work In Restricted Working Space, Add* | *2.72* | |
| 21 13 41 00-0010 | | | Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)* | | |
| | 21 13 41 00-0011 | EA | 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping | 29.92 | 11.17 |
| | | | *For Work In Restricted Working Space, Add* | *8.38* | |
| | 21 13 41 00-0012 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping | 39.36 | 13.97 |
| | | | *For Work In Restricted Working Space, Add* | *10.51* | |
| | 21 13 41 00-0013 | EA | 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping | 49.23 | 17.46 |
| | | | *For Work In Restricted Working Space, Add* | *13.13* | |
| | 21 13 41 00-0014 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping | 56.16 | 19.32 |
| | | | *For Work In Restricted Working Space, Add* | *14.53* | |
| | 21 13 41 00-0015 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping | 63.65 | 21.65 |
| | | | *For Work In Restricted Working Space, Add* | *16.20* | |
| | 21 13 41 00-0016 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping | 80.00 | 24.56 |
| | | | *For Work In Restricted Working Space, Add* | *18.44* | |
| | 21 13 41 00-0017 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping | 97.85 | 29.10 |
| | | | *For Work In Restricted Working Space, Add* | *21.79* | |
| 21 13 41 00-0018 | | | Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)* | | |
| | 21 13 41 00-0019 | EA | 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping | 30.62 | 11.17 |
| | | | *For Work In Restricted Working Space, Add* | *8.38* | |
| | 21 13 41 00-0020 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping | 38.23 | 13.97 |
| | | | *For Work In Restricted Working Space, Add* | *10.51* | |
| | 21 13 41 00-0021 | EA | 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping | 48.39 | 17.46 |
| | | | *For Work In Restricted Working Space, Add* | *13.13* | |
| | 21 13 41 00-0022 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping | 54.81 | 19.32 |
| | | | *For Work In Restricted Working Space, Add* | *14.53* | |
| | 21 13 41 00-0023 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping | 61.96 | 21.65 |
| | | | *For Work In Restricted Working Space, Add* | *16.20* | |
| | 21 13 41 00-0024 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping | 75.73 | 24.56 |
| | | | *For Work In Restricted Working Space, Add* | *18.44* | |
| | 21 13 41 00-0025 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping | 93.16 | 29.10 |
| | | | *For Work In Restricted Working Space, Add* | *21.79* | |
| 21 13 41 00-0026 | | | Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping *(21 13 41 00-0001)* | | |
| | 21 13 41 00-0027 | EA | 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping | 44.59 | 16.76 |
| | | | *For Work In Restricted Working Space, Add* | *12.57* | |
| | 21 13 41 00-0028 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping | 57.94 | 21.06 |
| | | | *For Work In Restricted Working Space, Add* | *15.78* | |
| | 21 13 41 00-0029 | EA | 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping | 73.66 | 26.30 |
| | | | *For Work In Restricted Working Space, Add* | *19.69* | |
| | 21 13 41 00-0030 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping | 84.42 | 29.10 |
| | | | *For Work In Restricted Working Space, Add* | *21.79* | |
| | 21 13 41 00-0031 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping | 98.48 | 32.35 |
| | | | *For Work In Restricted Working Space, Add* | *24.30* | |
| | 21 13 41 00-0032 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping | 120.58 | 36.90 |
| | | | *For Work In Restricted Working Space, Add* | *27.65* | |
| | 21 13 41 00-0033 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping | 142.47 | 43.52 |
| | | | *For Work In Restricted Working Space, Add* | *32.68* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping *(21 13 41 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 41 00-0035 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping | 53.53 | 19.67 |
| | | *For Work In Restricted Working Space, Add* | *14.70* | |
| 21 13 41 00-0036 | EA | 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping | 69.54 | 24.56 |
| | | *For Work In Restricted Working Space, Add* | *18.37* | |
| 21 13 41 00-0037 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping | 77.82 | 27.12 |
| | | *For Work In Restricted Working Space, Add* | *20.32* | |
| 21 13 41 00-0038 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping | 91.71 | 30.26 |
| | | *For Work In Restricted Working Space, Add* | *22.70* | |
| 21 13 41 00-0039 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping | 108.10 | 34.45 |
| | | *For Work In Restricted Working Space, Add* | *25.80* | |
| 21 13 41 00-0040 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping | 127.22 | 40.61 |
| | | *For Work In Restricted Working Space, Add* | *30.51* | |

### 21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping *(21 13 41 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 41 00-0042 | EA | 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping | 60.12 | 22.34 |
| | | *For Work In Restricted Working Space, Add* | *16.76* | |
| 21 13 41 00-0043 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping | 75.39 | 28.05 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| 21 13 41 00-0044 | EA | 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping | 94.90 | 35.03 |
| | | *For Work In Restricted Working Space, Add* | *26.26* | |
| 21 13 41 00-0045 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping | 106.91 | 38.76 |
| | | *For Work In Restricted Working Space, Add* | *29.05* | |
| 21 13 41 00-0046 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping | 124.61 | 43.18 |
| | | *For Work In Restricted Working Space, Add* | *32.40* | |
| 21 13 41 00-0047 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping | 159.12 | 49.11 |
| | | *For Work In Restricted Working Space, Add* | *36.87* | |

### 21 13 41 00-0048 Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping *(21 13 41 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 41 00-0049 | EA | 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping | 20.53 | 7.44 |
| | | *For Work In Restricted Working Space, Add* | *5.59* | |
| 21 13 41 00-0050 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping | 27.50 | 10.01 |
| | | *For Work In Restricted Working Space, Add* | *7.51* | |
| 21 13 41 00-0051 | EA | 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping | 36.45 | 13.15 |
| | | *For Work In Restricted Working Space, Add* | *9.85* | |
| 21 13 41 00-0052 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping | 41.49 | 14.54 |
| | | *For Work In Restricted Working Space, Add* | *10.89* | |
| 21 13 41 00-0053 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping | 47.52 | 16.18 |
| | | *For Work In Restricted Working Space, Add* | *12.15* | |
| 21 13 41 00-0054 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping | 56.83 | 18.39 |
| | | *For Work In Restricted Working Space, Add* | *13.83* | |
| 21 13 41 00-0055 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping | 68.46 | 21.77 |
| | | *For Work In Restricted Working Space, Add* | *16.34* | |

### 21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping *(21 13 41 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 41 00-0057 | EA | 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping | 10.46 | 3.73 |
| | | *For Work In Restricted Working Space, Add* | *2.79* | |
| 21 13 41 00-0058 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping | 16.65 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *4.51* | |
| 21 13 41 00-0059 | EA | 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping | 19.04 | 6.52 |
| | | *For Work In Restricted Working Space, Add* | *4.92* | |
| 21 13 41 00-0060 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping | 21.78 | 7.21 |
| | | *For Work In Restricted Working Space, Add* | *5.45* | |
| 21 13 41 00-0061 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping | 25.72 | 8.15 |
| | | *For Work In Restricted Working Space, Add* | *6.08* | |
| 21 13 41 00-0062 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping | 30.94 | 9.20 |
| | | *For Work In Restricted Working Space, Add* | *6.92* | |
| 21 13 41 00-0063 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping | 40.04 | 10.94 |
| | | *For Work In Restricted Working Space, Add* | *8.17* | |

### 21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping *(21 13 41 00-0001)*

| | | | | |
|---|---|---|---|---|
| 21 13 41 00-0065 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping | 29.07 | 11.06 |
| | | *For Work In Restricted Working Space, Add* | *8.27* | |
| 21 13 41 00-0066 | EA | 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping | 38.50 | 14.43 |
| | | *For Work In Restricted Working Space, Add* | *10.82* | |
| 21 13 41 00-0067 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping | 42.55 | 15.94 |
| | | *For Work In Restricted Working Space, Add* | *11.98* | |
| 21 13 41 00-0068 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping | 48.41 | 17.81 |
| | | *For Work In Restricted Working Space, Add* | *13.37* | |
| 21 13 41 00-0069 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping | 57.35 | 20.25 |
| | | *For Work In Restricted Working Space, Add* | *15.23* | |
| 21 13 41 00-0070 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping | 69.88 | 23.97 |
| | | *For Work In Restricted Working Space, Add* | *17.98* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 13 41 00-0071 | | Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)* | | |
| 21 13 41 00-0072 | EA | 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping | 25.46 | 8.15 |
| | | *For Work In Restricted Working Space, Add* | *6.15* | |
| 21 13 41 00-0073 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping | 32.84 | 11.06 |
| | | *For Work In Restricted Working Space, Add* | *8.27* | |
| 21 13 41 00-0074 | | Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)* | | |
| 21 13 41 00-0075 | EA | 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping | 25.46 | 8.15 |
| | | *For Work In Restricted Working Space, Add* | *6.15* | |
| 21 13 41 00-0076 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping | 32.84 | 11.06 |
| | | *For Work In Restricted Working Space, Add* | *8.27* | |
| 21 13 41 00-0077 | | Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)* | | |
| 21 13 41 00-0078 | EA | 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping | 29.77 | 10.01 |
| | | *For Work In Restricted Working Space, Add* | *7.54* | |
| 21 13 41 00-0079 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping | 38.01 | 12.57 |
| | | *For Work In Restricted Working Space, Add* | *9.46* | |
| 21 13 41 00-0080 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping | 39.43 | 12.57 |
| | | *For Work In Restricted Working Space, Add* | *9.46* | |
| 21 13 41 00-0081 | | Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)* | | |
| 21 13 41 00-0082 | EA | 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping | 48.92 | 16.76 |
| | | *For Work In Restricted Working Space, Add* | *12.57* | |
| 21 13 41 00-0083 | EA | 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping | 60.21 | 21.06 |
| | | *For Work In Restricted Working Space, Add* | *15.78* | |
| 21 13 41 00-0084 | EA | 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping | 78.29 | 26.30 |
| | | *For Work In Restricted Working Space, Add* | *19.69* | |
| 21 13 41 00-0085 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping | 89.32 | 29.10 |
| | | *For Work In Restricted Working Space, Add* | *21.79* | |
| 21 13 41 00-0086 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping | 104.45 | 32.35 |
| | | *For Work In Restricted Working Space, Add* | *24.30* | |

# 21 20 Fire-Extinguishing Systems *(21)*

## 21 21 Carbon-Dioxide Fire-Extinguishing Systems *(21 20)*

### 21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment *(21 21)*

| | | | | |
|---|---|---|---|---|
| 21 21 16 00-0001 | | Carbon Dioxide Cylinders *(21 21 16)* | | |
| 21 21 16 00-0002 | EA | Carbon Dioxide Simplex Cylinder, 75 Lb. | 3,516.94 | 237.14 |
| 21 21 16 00-0003 | EA | Carbon Dioxide Duplex Cylinder, 75 Lb. (Each) | 7,033.88 | 474.28 |
| 21 21 16 00-0004 | EA | Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket | 435.16 | 133.84 |
| 21 21 16 00-0005 | EA | Carbon Dioxide Cylinder, Dispersion Nozzle | 200.84 | 43.33 |
| 21 21 16 00-0006 | LF | Carbon Dioxide Cylinder, 1/2" Rubber Tubing | 45.17 | 17.57 |

## 21 22 Clean-Agent Fire-Extinguishing Systems *(21 20)*

### 21 22 16 Clean-Agent Fire-Extinguishing Equipment *(21 22)*

| | | | | |
|---|---|---|---|---|
| 21 22 16 00-0001 | | FM200 System Equipment *(21 22 16)* | | |
| 21 22 16 00-0002 | EA | 26 Lb. Cylinder, Filled, For FM200 Fire Protection system | 3,726.02 | 117.10 |
| 21 22 16 00-0003 | EA | 44 Lb. Cylinder, Filled, For FM200 Fire Protection system | 5,347.14 | 134.08 |
| 21 22 16 00-0004 | EA | 63 Lb. Cylinder, Filled, For FM200 Fire Protection system | 6,347.46 | 158.09 |
| 21 22 16 00-0005 | EA | 101 Lb. Cylinder, Filled, For FM200 Fire Protection system | 8,416.45 | 187.36 |
| 21 22 16 00-0006 | EA | 196 Lb. Cylinder, Filled, For FM200 Fire Protection system | 13,165.91 | 234.21 |
| 21 22 16 00-0007 | EA | Electro/Mechanical Release, For FM200 Fire Protection system | 785.85 | 234.21 |
| 21 22 16 00-0008 | EA | Manual Pull Station, For FM200 Fire Protection system | 274.77 | 77.88 |
| 21 22 16 00-0009 | EA | Pneumatic Damper Release, For FM200 Fire Protection system | 341.95 | 58.55 |
| 21 22 16 00-0010 | LB | FM200 Gas | 28.82 | |
| 21 22 16 00-0011 | EA | Master Cylinder, For FM200 Fire Protection system | 6,102.11 | 63.00 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 22 16 00-0012 | EA | Shuttle Check Valve, For FM200 Fire Protection system | 862.90 | 88.06 |
| 21 22 16 00-0013 | EA | Flex Head Cylinder, For FM200 Fire Protection system | 858.77 | 94.39 |
| 21 22 16 00-0014 | EA | Nozzles, For FM200 Fire Protection system | 212.25 | 33.38 |
| 21 22 16 00-0015 | EA | Cylinder Support, For FM200 Fire Protection system | 244.63 | 63.00 |
| 21 22 16 00-0016 | EA | Solenoid Valve, For FM200 Fire Protection system | 1,117.40 | 94.39 |
| 21 22 16 00-0017 | EA | Battery Back-Up, For FM200 Fire Protection system | 811.64 | 248.96 |
| 21 22 16 00-0018 | EA | Control Panel, Single Zone, For FM200 Fire Protection system | 4,374.23 | 467.71 |
| 21 22 16 00-0019 | EA | Control Panel, Multi Zone, For FM200 Fire Protection system | 7,057.85 | 936.47 |
| 21 22 16 00-0020 | EA | Smoke Or Heat Detector, For FM200 Fire Protection system | 341.88 | 94.39 |
| 21 22 16 00-0021 | EA | Annunciator, For FM200 Fire Protection system | 3,546.53 | 354.47 |
| 21 22 16 00-0022 | EA | Pressure Switch, For FM200 Fire Protection system | 372.39 | 94.39 |
| 21 22 16 00-0023 | EA | Alarm Horn, For FM200 Fire Protection system | 338.94 | 94.39 |
| 21 22 16 00-0024 | EA | Testing, For FM200 Fire Protection system | 1,589.30 | |
| 21 22 16 00-0025 | EA | Abort Switch, For FM200 Fire Protection system | 237.90 | 43.91 |

### 21 22 16 00-0026 Ansul Fire Control Systems *(21 22 16)*

### 21 22 16 00-0027 Sapphire® Fire Suppression Systems *(21 22 16 00-0026)*

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

### 21 22 16 00-0028 Cylinders, Sapphire® Fire Suppression Systems *(21 22 16 00-0027)*

| | | | | |
|---|---|---|---|---|
| 21 22 16 00-0029 | EA | 20 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635)<br>Note: 10 to 21 Lb. tank capacity. Excludes Sapphire agent. | 1,639.57 | 80.85 |
| 21 22 16 00-0030 | EA | 40 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636)<br>Note: 20 to 46 Lb. tank capacity. Excludes Sapphire agent. | 1,869.97 | 80.85 |
| 21 22 16 00-0031 | EA | 80 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637)<br>Note: 41 to 80 Lb. tank capacity. Excludes Sapphire agent. | 1,900.26 | 80.85 |
| 21 22 16 00-0032 | EA | 140 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638)<br>Note: 58 to 138 Lb. tank capacity. Excludes Sapphire agent. | 2,697.70 | 107.79 |
| 21 22 16 00-0033 | EA | 280 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639)<br>Note: 116 to 280 Lb. tank capacity. Excludes Sapphire agent. | 2,850.01 | 107.79 |
| 21 22 16 00-0034 | EA | 390 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640)<br>Note: 161 to 388 Lb. tank capacity. Excludes Sapphire agent. | 3,045.42 | 134.74 |
| 21 22 16 00-0035 | EA | 450 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641)<br>Note: 194 to 459 Lb. tank capacity. Excludes Sapphire agent. | 3,231.13 | 134.74 |
| 21 22 16 00-0036 | EA | 850 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586)<br>Note: 375 to 851 Lb. tank capacity. Excludes Sapphire agent. | 4,875.90 | 161.69 |
| 21 22 16 00-0037 | LB | Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230)<br>Note: Add to empty tank cost. | 41.15 | 161.69 |

### 21 22 16 00-0038 Nozzles, Sapphire® Fire Suppression Systems *(21 22 16 00-0027)*

| | | | | |
|---|---|---|---|---|
| 21 22 16 00-0039 | EA | 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515) | 156.66 | 13.48 |
| 21 22 16 00-0040 | EA | 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516) | 160.58 | 13.48 |
| 21 22 16 00-0041 | EA | 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517) | 170.42 | 13.48 |
| 21 22 16 00-0042 | EA | 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518) | 177.30 | 13.48 |
| 21 22 16 00-0043 | EA | 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519) | 187.12 | 13.48 |
| 21 22 16 00-0044 | EA | 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520) | 216.59 | 13.48 |
| 21 22 16 00-0045 | EA | 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602) | 156.66 | 13.48 |
| 21 22 16 00-0046 | EA | 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603) | 160.58 | 13.48 |
| 21 22 16 00-0047 | EA | 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604) | 170.42 | 13.48 |
| 21 22 16 00-0048 | EA | 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605) | 177.30 | 13.48 |
| 21 22 16 00-0049 | EA | 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606) | 187.12 | 13.48 |
| 21 22 16 00-0050 | EA | 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607) | 216.59 | 13.48 |

### 21 22 16 00-0051 Actuation Attachments, Sapphire® Fire Suppression System *(21 22 16 00-0027)*

| | | | | |
|---|---|---|---|---|
| 21 22 16 00-0052 | EA | 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810) | 14.16 | 4.04 |
| 21 22 16 00-0053 | EA | 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811) | 15.85 | 4.04 |
| 21 22 16 00-0054 | EA | 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338) | 21.63 | 9.43 |
| 21 22 16 00-0055 | EA | 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597) | 50.84 | 12.08 |
| 21 22 16 00-0056 | EA | 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142) | 75.23 | 12.08 |
| 21 22 16 00-0057 | EA | 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815) | 90.79 | 12.08 |
| 21 22 16 00-0058 | EA | 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336) | 45.22 | 12.08 |
| 21 22 16 00-0059 | EA | Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537) | 314.83 | 107.79 |
| 21 22 16 00-0060 | EA | Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549) | 303.18 | 80.85 |
| 21 22 16 00-0061 | EA | Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537) | 680.37 | 107.79 |

### 21 22 16 00-0062 Nameplates, Sapphire® Fire Suppression Systems *(21 22 16 00-0027)*

| | | | | |
|---|---|---|---|---|
| 21 22 16 00-0063 | EA | Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580) | 50.53 | 13.48 |
| 21 22 16 00-0064 | EA | Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581) | 54.97 | 13.48 |

### 21 22 16 00-0065 Cylinder Bracketing, Sapphire® Fire Suppression Systems *(21 22 16 00-0027)*

| | | | | |
|---|---|---|---|---|
| 21 22 16 00-0066 | EA | Tank Bracket Assembly For 20 Lb., 40 Lb., 50 Lb., 80 Lb., And 90 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085) | 155.53 | 40.42 |
| 21 22 16 00-0067 | EA | Tank Bracket Assembly For 140 Lb., 280 Lb., 390 Lb., And 450 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085) | 164.37 | 40.42 |
| 21 22 16 00-0068 | EA | Tank Bracket Assembly For 850 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570336) | 175.68 | 40.42 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **21 22 16 00-0069** | | **Check Valves, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)* | | |
| 21 22 16 00-0070 | EA | 1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566) | 418.73 | 42.90 |
| 21 22 16 00-0071 | EA | 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568) | 588.44 | 73.62 |
| **21 22 16 00-0072** | | **Discharge Hose, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)* | | |
| 21 22 16 00-0073 | EA | 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539) | 131.53 | 26.95 |
| 21 22 16 00-0074 | EA | 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538) | 493.15 | 26.95 |
| 21 22 16 00-0075 | EA | 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990) | 415.50 | 26.95 |
| 21 22 16 00-0076 | EA | 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841) | 1,815.30 | 107.79 |
| **21 22 16 00-0077** | | **Swivel Adaptors, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)* | | |
| 21 22 16 00-0078 | EA | 1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557) | 47.20 | 18.87 |
| 21 22 16 00-0079 | EA | 2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558) | 83.94 | 18.87 |
| 21 22 16 00-0080 | EA | 3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471) | 233.30 | 13.48 |
| 21 22 16 00-0081 | EA | 3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470) | 301.55 | 13.48 |
| **21 22 16 00-0082** | | **Pressure Switches, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)* | | |
| 21 22 16 00-0083 | EA | Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585) | 173.13 | 53.90 |
| 21 22 16 00-0084 | EA | Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156) | 174.00 | 22.63 |
| 21 22 16 00-0085 | EA | Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250) | 535.50 | 94.31 |
| **21 22 16 00-0086** | | **Level Indicators, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)* | | |
| 21 22 16 00-0087 | EA | Liquid Level Indicator For 280 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570277) | 625.32 | 18.87 |
| 21 22 16 00-0088 | EA | Liquid Level Indicator For 390 Lb. And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278) | 654.82 | 18.87 |
| 21 22 16 00-0089 | EA | Liquid Level Indicator For 450 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570589) | 701.44 | 26.95 |
| **21 22 16 00-0090** | | **Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)* | | |
| 21 22 16 00-0091 | EA | Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342) | 48.05 | 16.17 |
| 21 22 16 00-0092 | EA | Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642) | 60.22 | 18.87 |
| 21 22 16 00-0093 | EA | Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579) | 201.19 | 80.85 |
| 21 22 16 00-0094 | EA | 1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576) | 234.89 | 80.85 |
| 21 22 16 00-0095 | EA | 2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592) | 262.90 | 80.85 |
| 21 22 16 00-0096 | EA | 3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891) | 353.30 | 80.85 |
| **21 22 16 00-0097** | | **Replacement Parts, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)* | | |
| 21 22 16 00-0098 | EA | O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559) | 57.25 | 21.56 |
| 21 22 16 00-0099 | EA | Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553) | 94.26 | 13.48 |
| 21 22 16 00-0100 | EA | Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053) | 127.12 | 26.95 |
| 21 22 16 00-0101 | EA | Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543) | 335.47 | 107.79 |
| 21 22 16 00-0102 | EA | Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551) | 507.42 | 107.79 |
| 21 22 16 00-0103 | EA | 1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535) | 1,713.10 | 107.79 |
| **21 22 16 00-0104** | | **Inergen® Fire Suppression System** *(21 22 16 00-0026)* | | |
| **21 22 16 00-0105** | | **Actuation Attachments, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0106 | EA | Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082) | 184.11 | 26.70 |
| 21 22 16 00-0107 | EA | Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958) | 214.05 | 28.69 |
| 21 22 16 00-0108 | EA | Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309) | 382.97 | 51.93 |
| 21 22 16 00-0109 | EA | Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876) | 770.21 | 118.28 |
| **21 22 16 00-0110** | | **Check Valves, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0111 | EA | 2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794) | 1,854.93 | 156.10 |
| **21 22 16 00-0112** | | **Components, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0113 | EA | 1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378) | 54.69 | 8.19 |
| 21 22 16 00-0114 | EA | Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700) | 643.18 | 87.71 |
| 21 22 16 00-0115 | EA | 30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169) | 2,002.19 | 274.43 |
| 21 22 16 00-0116 | EA | 60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170) | 1,908.33 | 279.58 |
| **21 22 16 00-0117** | | **Cylinders, Inergen® Fire Suppression System** *(21 22 16 00-0104)*<br>Note: Includes CV98 valve. Factory filled with Inergen agent. | | |
| 21 22 16 00-0118 | EA | 200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147) | 1,669.69 | 251.16 |
| 21 22 16 00-0119 | EA | 250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148) | 1,894.05 | 284.56 |
| 21 22 16 00-0120 | EA | 350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620) | 2,710.17 | 368.75 |
| 21 22 16 00-0121 | EA | 435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150) | 2,712.45 | 450.61 |
| 21 22 16 00-0122 | EA | 250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257) | 1,959.24 | 317.29 |
| 21 22 16 00-0123 | EA | 350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621) | 2,775.83 | 401.61 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 22 16 00-0124 | EA | 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259) | 2,865.35 | 484.22 |
| **21 22 16 00-0125** | | **Inspection/Maintenance Devices, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0126 | EA | CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657) | 63.02 | 9.13 |
| 21 22 16 00-0127 | EA | CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181) | 63.02 | 9.13 |
| 21 22 16 00-0128 | EA | CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954) | 76.01 | 10.14 |
| 21 22 16 00-0129 | EA | Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923) | 1,200.86 | 174.29 |
| **21 22 16 00-0130** | | **Multiple Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0131 | EA | 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502)<br>Note: For single row 435 cubic foot cylinders. | 20.22 | 2.67 |
| 21 22 16 00-0132 | EA | 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503)<br>Note: For double row 435 cubic foot cylinders. | 28.70 | 3.81 |
| **21 22 16 00-0133** | | **Nameplates, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0134 | EA | Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265) | 22.30 | 2.98 |
| 21 22 16 00-0135 | EA | Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266) | 20.62 | 2.98 |
| **21 22 16 00-0136** | | **Nozzle Deflector Shields, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0137 | EA | 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708) | 89.60 | 12.86 |
| 21 22 16 00-0138 | EA | 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711) | 94.01 | 13.47 |
| 21 22 16 00-0139 | EA | 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714) | 109.24 | 15.56 |
| 21 22 16 00-0140 | EA | 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717) | 121.76 | 17.57 |
| 21 22 16 00-0141 | EA | 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720) | 139.68 | 20.20 |
| **21 22 16 00-0142** | | **Nozzles, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0143 | EA | 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908) | 137.22 | 19.90 |
| 21 22 16 00-0144 | EA | 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723) | 142.37 | 20.50 |
| 21 22 16 00-0145 | EA | 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362) | 131.33 | 18.97 |
| 21 22 16 00-0146 | EA | 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363) | 134.51 | 20.50 |
| 21 22 16 00-0147 | EA | 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364) | 156.12 | 22.54 |
| 21 22 16 00-0148 | EA | 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365) | 166.91 | 24.00 |
| 21 22 16 00-0149 | EA | 1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366) | 179.70 | 25.76 |
| 21 22 16 00-0150 | EA | 2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155) | 309.31 | 45.08 |
| 21 22 16 00-0151 | EA | 2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156) | 408.96 | 59.13 |
| 21 22 16 00-0152 | EA | 3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137) | 445.83 | 65.00 |
| 21 22 16 00-0153 | EA | 1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138) | 159.82 | 23.40 |
| 21 22 16 00-0154 | EA | 3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139) | 188.51 | 27.41 |
| 21 22 16 00-0155 | EA | 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140) | 155.13 | 22.54 |
| 21 22 16 00-0156 | EA | 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141) | 165.70 | 23.89 |
| 21 22 16 00-0157 | EA | 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142) | 167.17 | 24.00 |
| 21 22 16 00-0158 | EA | 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143) | 201.79 | 29.16 |
| 21 22 16 00-0159 | EA | 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157) | 217.49 | 31.61 |
| 21 22 16 00-0160 | EA | 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144) | 333.86 | 48.52 |
| 21 22 16 00-0161 | EA | 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145) | 389.81 | 56.80 |
| 21 22 16 00-0162 | EA | 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146) | 427.14 | 62.06 |
| **21 22 16 00-0163** | | **Pressure Reducers, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0164 | EA | 1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677) | 179.70 | 25.76 |
| 21 22 16 00-0165 | EA | 3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678) | 220.46 | 32.09 |
| 21 22 16 00-0166 | EA | 1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679) | 237.13 | 34.55 |
| 21 22 16 00-0167 | EA | 1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680) | 333.86 | 48.52 |
| 21 22 16 00-0168 | EA | 1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681) | 364.78 | 53.16 |
| 21 22 16 00-0169 | EA | 2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682) | 428.59 | 62.06 |
| 21 22 16 00-0170 | EA | 2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057) | 498.31 | 72.77 |
| 21 22 16 00-0171 | EA | 3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058) | 589.14 | 86.07 |
| 21 22 16 00-0172 | EA | 2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823) | 751.40 | 169.80 |
| 21 22 16 00-0173 | EA | 3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824) | 967.44 | 199.08 |
| 21 22 16 00-0174 | EA | 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825) | 1,237.74 | 333.74 |
| 21 22 16 00-0175 | EA | 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847) | 732.72 | 169.80 |
| 21 22 16 00-0176 | EA | 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848) | 811.06 | 118.60 |
| 21 22 16 00-0177 | EA | 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849) | 1,237.74 | 333.74 |
| 21 22 16 00-0178 | EA | 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853) | 748.44 | 169.80 |
| 21 22 16 00-0179 | EA | 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854) | 842.97 | 123.25 |
| 21 22 16 00-0180 | EA | 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855) | 1,214.16 | 333.74 |
| **21 22 16 00-0181** | | **Pressure Switches, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0182 | EA | 3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344) | 844.05 | 129.40 |
| **21 22 16 00-0183** | | **Releasing Device Equipment, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 22 16 00-0184 | EA | 12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728) | 1,383.99 | 200.75 |
| 21 22 16 00-0185 | EA | 24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492) | 1,969.79 | 267.50 |
| 21 22 16 00-0186 | EA | 120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525) | 2,088.17 | 272.11 |
| 21 22 16 00-0187 | EA | Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310) | 97.70 | 13.84 |
| 21 22 16 00-0188 | EA | LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373) | 116.81 | 18.33 |
| 21 22 16 00-0189 | EA | Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939) | 1,118.48 | 143.22 |
| **21 22 16 00-0190** | | **Replacement Orifice Plates, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0191 | EA | 1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095) | 122.28 | 13.60 |
| 21 22 16 00-0192 | EA | 3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096) | 128.17 | 14.32 |
| 21 22 16 00-0193 | EA | 1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097) | 134.55 | 14.56 |
| 21 22 16 00-0194 | EA | 1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098) | 144.38 | 15.05 |
| 21 22 16 00-0195 | EA | 1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099) | 150.26 | 16.51 |
| 21 22 16 00-0196 | EA | 2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100) | 150.99 | 17.84 |
| 21 22 16 00-0197 | EA | 2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984) | 331.38 | 47.82 |
| 21 22 16 00-0198 | EA | 3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985) | 334.35 | 48.31 |
| 21 22 16 00-0199 | EA | 4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986) | 428.59 | 61.90 |
| **21 22 16 00-0200** | | **Single Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0201 | EA | Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704) | 156.12 | 22.54 |
| 21 22 16 00-0202 | EA | Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705)<br>Note: Includes saddle, padding and fasteners. | 214.44 | 51.53 |
| **21 22 16 00-0203** | | **Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0204 | EA | 2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856)<br>Note: Includes gasket and fasteners. | 406.21 | 33.32 |
| 21 22 16 00-0205 | EA | 3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857)<br>Note: Includes gasket and fasteners. | 342.19 | 49.75 |
| 21 22 16 00-0206 | EA | 4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858)<br>Note: Includes gasket and fasteners. | 693.41 | 333.74 |
| 21 22 16 00-0207 | EA | 2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859)<br>Note: Includes gasket and fasteners. | 214.55 | 31.12 |
| 21 22 16 00-0208 | EA | 3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860)<br>Note: Includes gasket and fasteners. | 251.85 | 36.30 |
| 21 22 16 00-0209 | EA | 4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861)<br>Note: Includes gasket and fasteners. | 688.45 | 333.74 |
| 21 22 16 00-0210 | EA | 2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862)<br>Note: Includes gasket and fasteners. | 223.37 | 32.59 |
| 21 22 16 00-0211 | EA | 3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863)<br>Note: Includes gasket and fasteners. | 261.69 | 37.98 |
| 21 22 16 00-0212 | EA | 4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864)<br>Note: Includes gasket and fasteners. | 713.01 | 333.74 |
| 21 22 16 00-0213 | EA | 2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828)<br>Note: Includes a stainless steel inner ring and a carbon steel outer ring. | 43.65 | 2.47 |
| 21 22 16 00-0214 | EA | 3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829)<br>Note: Includes a stainless steel inner ring and a carbon steel outer ring. | 44.14 | 2.72 |
| 21 22 16 00-0215 | EA | 4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830)<br>Note: Includes a stainless steel inner ring and a carbon steel outer ring. | 47.55 | 3.22 |
| **21 22 16 00-0216** | | **Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0104)* | | |
| 21 22 16 00-0217 | EA | Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508) | 27.35 | 3.96 |
| 21 22 16 00-0218 | EA | Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027) | 224.86 | 30.10 |
| 21 22 16 00-0219 | EA | 85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592)<br>Note: Includes upright, left, right and center. | 167.89 | 30.10 |
| **21 22 16 00-0220** | | **Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0026)* | | |
| **21 22 16 00-0221** | | **Accessory Switches, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0220)* | | |
| 21 22 16 00-0222 | EA | Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495) | 176.25 | 25.98 |
| 21 22 16 00-0223 | EA | Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494) | 200.32 | 29.61 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 22 16 00-0224 | EA | Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497) | 254.79 | 37.63 |
| 21 22 16 00-0225 | EA | Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496) | 274.44 | 40.54 |
| 21 22 16 00-0226 | EA | Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499) | 343.66 | 50.98 |
| 21 22 16 00-0227 | EA | Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498) | 365.75 | 54.13 |
| 21 22 16 00-0228 | EA | Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956) | 701.08 | 104.38 |
| 21 22 16 00-0229 | EA | Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490) | 56.43 | 7.77 |

## 21 22 16 00-0230 Alarm Devices, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0220)*

| | | | | |
|---|---|---|---|---|
| 21 22 16 00-0231 | EA | Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698) | 152.69 | 22.57 |
| 21 22 16 00-0232 | EA | Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699) | 223.88 | 33.02 |
| 21 22 16 00-0233 | EA | Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702) | 20.42 | 3.01 |

## 21 22 16 00-0234 Annunciators, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0220)*

| | | | | |
|---|---|---|---|---|
| 21 22 16 00-0235 | EA | 80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492) | 1,759.27 | 261.92 |
| 21 22 16 00-0236 | EA | 16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496) | 1,474.79 | 219.43 |
| 21 22 16 00-0237 | EA | 16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497) | 1,144.86 | 170.40 |
| 21 22 16 00-0238 | EA | 32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500) | 997.11 | 148.31 |
| 21 22 16 00-0239 | EA | Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501) | 997.11 | 148.31 |
| 21 22 16 00-0240 | EA | Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502) | 798.77 | 118.70 |
| 21 22 16 00-0241 | EA | Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650) | 1,474.79 | 219.43 |
| 21 22 16 00-0242 | EA | 24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651) | 299.96 | 44.42 |
| 21 22 16 00-0243 | EA | 48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652) | 376.06 | 55.83 |
| 21 22 16 00-0244 | EA | 8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653) | 754.08 | 112.14 |
| 21 22 16 00-0245 | EA | Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660) | 127.40 | 18.81 |
| 21 22 16 00-0246 | EA | Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576)<br>Note: For up to 4 LDM modules. | 173.29 | 25.98 |
| 21 22 16 00-0247 | EA | Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657) | 299.97 | 44.42 |

## 21 22 16 00-0248 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0220)*

| | | | | |
|---|---|---|---|---|
| 21 22 16 00-0249 | EA | CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586) | 233.19 | 36.17 |
| 21 22 16 00-0250 | EA | REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639) | 14.43 | 2.48 |
| 21 22 16 00-0251 | EA | REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640) | 100.41 | 3.01 |
| 21 22 16 00-0252 | EA | REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765) | 15.61 | 3.01 |

## 21 22 16 00-0253 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0220)*

| | | | | |
|---|---|---|---|---|
| 21 22 16 00-0254 | EA | Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564) | 518.40 | 81.07 |
| 21 22 16 00-0255 | EA | Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566) | 310.76 | 48.31 |

## 21 22 16 00-0256 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0220)*

| | | | | |
|---|---|---|---|---|
| 21 22 16 00-0257 | EA | 7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692) | 228.86 | 31.07 |
| 21 22 16 00-0258 | EA | 12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693) | 478.65 | 65.78 |
| 21 22 16 00-0259 | EA | 18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694) | 540.16 | 74.52 |
| 21 22 16 00-0260 | EA | 25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695) | 705.69 | 90.78 |
| 21 22 16 00-0261 | EA | 55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997) | 1,138.24 | 157.54 |
| 21 22 16 00-0262 | EA | BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578) | 170.37 | 25.00 |
| 21 22 16 00-0263 | EA | BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079)<br>Note: Holds six XP5 modules or 25AH battery pack. | 304.38 | 45.15 |
| 21 22 16 00-0264 | EA | BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410)<br>Note: For mounting in BB-55 battery box. | 619.09 | 92.00 |
| 21 22 16 00-0265 | EA | Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207)<br>Note: For mounting in BB-55 battery box. | 1,799.78 | 267.98 |
| 21 22 16 00-0266 | EA | 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563) | 1,316.20 | 195.89 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 22 16 00-0267 | | **Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0220)* | | |
| 21 22 16 00-0268 | EA | Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097) | 138.69 | 20.76 |
| 21 22 16 00-0269 | EA | Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098) | 129.61 | 20.63 |
| 21 22 16 00-0270 | EA | Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480) | 175.74 | 29.61 |
| 21 22 16 00-0271 | EA | 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100) | 260.69 | 38.60 |
| 21 22 16 00-0272 | EA | NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101) | 202.75 | 31.31 |
| 21 22 16 00-0273 | EA | Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102) | 190.48 | 30.10 |
| 21 22 16 00-0274 | EA | Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487) | 30.34 | 4.80 |
| 21 22 16 00-0275 | EA | Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125) | 111.94 | 16.99 |
| 21 22 16 00-0276 | EA | Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066) | 111.94 | 16.51 |
| 21 22 16 00-0277 | EA | HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067) | 40.14 | 13.60 |
| 21 22 16 00-0278 | EA | Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)<br>Note: Converts BX501 to low profile base. | 10.30 | 1.50 |
| 21 22 16 00-0279 | EA | Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945) | 107.75 | 15.90 |
| 21 22 16 00-0280 | EA | EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699) | 63.13 | 9.37 |
| 21 22 16 00-0281 | EA | XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078) | 170.84 | 24.76 |
| 21 22 16 00-0282 | EA | BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080) | 89.35 | 13.10 |
| 21 22 16 00-0283 | | **Manual Pull Stations, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0220)* | | |
| 21 22 16 00-0284 | EA | Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661) | 25.71 | 3.52 |
| 21 22 16 00-0285 | EA | Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336) | 15.93 | 1.94 |
| 21 22 16 00-0286 | | **Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0220)* | | |
| 21 22 16 00-0287 | EA | Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470)<br>Note: Includes municipal box and remote station connection. | 223.88 | 33.02 |
| 21 22 16 00-0288 | EA | Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471) | 673.11 | 94.91 |
| 21 22 16 00-0289 | EA | Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411) | 1,285.30 | 191.28 |
| 21 22 16 00-0290 | EA | Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635) | 34.28 | 4.96 |
| 21 22 16 00-0291 | | **Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0026)* | | |
| 21 22 16 00-0292 | | **Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)* | | |
| 21 22 16 00-0293 | EA | Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482) | 174.15 | 23.31 |
| 21 22 16 00-0294 | EA | Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379) | 411.28 | 35.13 |
| 21 22 16 00-0295 | EA | 120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374) | 968.68 | 135.93 |
| 21 22 16 00-0296 | EA | 220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375) | 968.68 | 135.93 |
| 21 22 16 00-0297 | EA | 120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376)<br>Note: Includes housing and battery cab. | 1,455.44 | 203.90 |
| 21 22 16 00-0298 | EA | 220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377)<br>Note: Includes housing and battery cab. | 1,455.44 | 203.90 |
| 21 22 16 00-0299 | EA | 48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378) | 2,125.43 | 259.73 |
| 21 22 16 00-0300 | | **Blank Plates, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)* | | |
| 21 22 16 00-0301 | EA | Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459) | 31.24 | 4.37 |
| 21 22 16 00-0302 | EA | Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458) | 47.07 | 4.37 |
| 21 22 16 00-0303 | EA | Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484) | 68.35 | 8.25 |
| 21 22 16 00-0304 | EA | Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446) | 106.38 | 9.23 |
| 21 22 16 00-0305 | EA | Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447) | 133.92 | 18.45 |
| 21 22 16 00-0306 | EA | Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480) | 247.85 | 23.31 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **21 22 16 00-0307** | | **Detectors, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)* | | |
| 21 22 16 00-0308 | EA | LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350)<br>Note: Includes 3 blank plates. | 7,317.95 | 1,140.87 |
| 21 22 16 00-0309 | EA | LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354)<br>Note: Includes centrally mounted LCD programmer module and standard display. | 9,335.96 | 1,407.88 |
| 21 22 16 00-0310 | EA | LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356)<br>Note: Includes centrally mounted LCD programmer. | 8,442.08 | 1,286.51 |
| 21 22 16 00-0311 | EA | 7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357) | 11,736.80 | 1,699.17 |
| 21 22 16 00-0312 | EA | 12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358) | 12,357.02 | 1,796.27 |
| 21 22 16 00-0313 | EA | 7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359)<br>Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs. | 11,866.06 | 1,723.44 |
| 21 22 16 00-0314 | EA | 12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360)<br>Note: Includes 1 fire alarm (any SCT) and OK/FOK LED. | 12,532.03 | 1,820.54 |
| 21 22 16 00-0315 | EA | 7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361)<br>Note: Includes 2 blank plates and scan display module at far right. | 12,890.53 | 1,893.36 |
| 21 22 16 00-0316 | EA | 12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363)<br>Note: Includes 2 blank plates and scanner display. | 13,450.16 | 1,990.46 |
| 21 22 16 00-0317 | EA | 7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365)<br>Note: Includes centrally mounted programmer module. | 14,137.23 | 2,087.55 |
| 21 22 16 00-0318 | EA | 12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367)<br>Note: Includes centrally mounted LCD programmer module and scanner display module. | 14,741.08 | 2,184.66 |
| 21 22 16 00-0319 | EA | 12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369)<br>Note: Includes centrally mounted LCD programmer. | 13,852.40 | 1,990.46 |
| **21 22 16 00-0320** | | **Displays, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)* | | |
| 21 22 16 00-0321 | EA | VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381)<br>Note: Includes a remote termination card and 7 relays. | 2,224.36 | 267.01 |
| 21 22 16 00-0322 | EA | VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385)<br>Note: Includes a remote termination card and 7 relays. | 2,235.18 | 267.01 |
| 21 22 16 00-0323 | EA | VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383)<br>Note: Includes a remote termination card without relays. | 2,014.46 | 242.74 |
| 21 22 16 00-0324 | EA | VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387)<br>Note: Includes a remote termination card. | 2,027.03 | 242.74 |
| 21 22 16 00-0325 | EA | VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389)<br>Note: Includes a remote termination card and 12 relays. | 2,505.32 | 291.29 |
| 21 22 16 00-0326 | EA | VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391) | 2,129.14 | 252.45 |
| 21 22 16 00-0327 | EA | VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393) | 2,330.83 | 283.52 |
| **21 22 16 00-0328** | | **Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)* | | |
| 21 22 16 00-0329 | EA | LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370) | 5,596.93 | 801.04 |
| 21 22 16 00-0330 | EA | LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372) | 4,609.00 | 640.83 |
| 21 22 16 00-0331 | EA | Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380) | 1,630.01 | 242.74 |
| 21 22 16 00-0332 | EA | VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395) | 1,173.00 | 157.78 |
| 21 22 16 00-0333 | EA | System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399) | 1,634.09 | 212.64 |
| 21 22 16 00-0334 | EA | PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442)<br>Note: Interface connects PC and LaserPLUS system. | 2,453.87 | 262.16 |
| 21 22 16 00-0335 | EA | Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443) | 308.21 | 39.32 |
| 21 22 16 00-0336 | EA | Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444) | 2,060.43 | 242.74 |
| 21 22 16 00-0337 | EA | Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460) | 1,472.47 | 201.47 |
| 21 22 16 00-0338 | EA | VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463) | 1,156.37 | 155.35 |
| 21 22 16 00-0339 | EA | Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461) | 1,474.83 | 201.47 |
| 21 22 16 00-0340 | EA | Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464) | 1,472.47 | 201.47 |
| 21 22 16 00-0341 | EA | Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487) | 1,455.68 | 189.34 |
| 21 22 16 00-0342 | EA | Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466) | 173.31 | 16.99 |
| 21 22 16 00-0343 | EA | Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467) | 7,033.86 | 932.12 |
| 21 22 16 00-0344 | EA | Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470) | 12,256.75 | 1,631.20 |
| 21 22 16 00-0345 | EA | Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475) | 957.61 | 121.37 |
| 21 22 16 00-0346 | EA | Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477) | 21.79 | 2.43 |
| 21 22 16 00-0347 | EA | Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478) | 12.27 | 0.48 |
| 21 22 16 00-0348 | EA | US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481) | 527.65 | 70.39 |
| 21 22 16 00-0349 | EA | Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483) | 639.26 | 85.44 |
| 21 22 16 00-0350 | EA | Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486) | 922.83 | 123.80 |
| 21 22 16 00-0351 | EA | RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488) | 135.98 | 18.45 |
| 21 22 16 00-0352 | EA | Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502) | 21.27 | 3.89 |
| **21 22 16 00-0353** | | **Labels And Decals, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)* | | |
| 21 22 16 00-0354 | EA | Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509) | 19.31 | 2.91 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 22 16 00-0355 | EA | Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505) | 20.29 | 3.39 |
| 21 22 16 00-0356 | EA | Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506) | 31.24 | 4.37 |
| 21 22 16 00-0357 | EA | Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507) | 31.29 | 4.37 |
| 21 22 16 00-0358 | EA | Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508) | 113.43 | 16.51 |
| **21 22 16 00-0359** | | **Mounting Hardware, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)* | | |
| 21 22 16 00-0360 | EA | Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456) | 279.91 | 34.95 |
| 21 22 16 00-0361 | EA | Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472) | 377.12 | 46.60 |
| 21 22 16 00-0362 | EA | Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471) | 385.95 | 50.98 |
| 21 22 16 00-0363 | EA | Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457) | 936.90 | 72.82 |
| 21 22 16 00-0364 | EA | Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445) | 1,380.85 | 160.21 |
| **21 22 16 00-0365** | | **Pipe And Fittings, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)* | | |
| 21 22 16 00-0366 | LF | 3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491) | 6.10 | 1.86 |
| 21 22 16 00-0367 | EA | 3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497) | 10.52 | 3.73 |
| 21 22 16 00-0368 | EA | 3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494) | 29.13 | 11.17 |
| 21 22 16 00-0369 | EA | 3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493) | 30.01 | 11.17 |
| 21 22 16 00-0370 | EA | 3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495) | 20.64 | 7.44 |
| 21 22 16 00-0371 | EA | 3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496) | 33.10 | 11.17 |
| 21 22 16 00-0372 | EA | 3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498) | 44.68 | 16.76 |
| 21 22 16 00-0373 | EA | 3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499) | 55.61 | 19.67 |
| 21 22 16 00-0374 | LF | 1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500) | 5.11 | 1.75 |
| 21 22 16 00-0375 | EA | Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479) | 20.34 | 5.34 |
| 21 22 16 00-0376 | EA | Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503) | 24.72 | 3.89 |
| 21 22 16 00-0377 | EA | Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504) | 35.45 | 5.34 |
| **21 22 16 00-0378** | | **Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)* | | |
| 21 22 16 00-0379 | EA | VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)<br>Note: Remote box includes 7 relays for VLP/VLC. | 1,615.34 | 186.43 |
| 21 22 16 00-0380 | EA | VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490) | 1,647.62 | 214.58 |
| 21 22 16 00-0381 | EA | 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485) | 997.34 | 131.08 |
| 21 22 16 00-0382 | EA | RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489) | 1,139.52 | 148.07 |
| 21 22 16 00-0383 | EA | VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)<br>Note: Remote box includes 7 relays for VLS. | 1,615.34 | 186.43 |
| 21 22 16 00-0384 | EA | VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398)<br>Note: Remote box includes 12 relays for VLS. | 1,948.83 | 214.58 |
| 21 22 16 00-0385 | EA | Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468) | 553.04 | 66.02 |
| 21 22 16 00-0386 | EA | Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469) | 831.91 | 100.98 |
| 21 22 16 00-0387 | EA | 7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474) | 1,567.62 | 208.76 |
| 21 22 16 00-0388 | EA | 12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476) | 2,299.71 | 305.85 |
| **21 22 16 00-0389** | | **Preferred® Low Pressure CO2 System** *(21 22 16 00-0026)* | | |
| **21 22 16 00-0390** | | **Manual Pull Stations, Preferred® Low Pressure CO2 System** *(21 22 16 00-0389)* | | |
| 21 22 16 00-0391 | EA | Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658)<br>Note: Excludes FMM-101. | 124.17 | 16.99 |
| 21 22 16 00-0392 | EA | Weatherproof Back Box For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659) | 92.88 | 12.62 |
| **21 22 16 00-0393** | | **Industrial Fire Control System** *(21 22 16 00-0026)* | | |
| **21 22 16 00-0394** | | **Alarm Devices, Industrial Fire Control System** *(21 22 16 00-0393)* | | |
| 21 22 16 00-0395 | EA | Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947) | 3,007.01 | 447.86 |
| 21 22 16 00-0396 | EA | 6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751) | 91.83 | 10.29 |
| 21 22 16 00-0397 | EA | 24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697) | 90.83 | 13.36 |
| 21 22 16 00-0398 | EA | Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700) | 54.11 | 8.01 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 22 16 00-0399 | EA | Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701) | 22.11 | 3.25 |
| **21 22 16 00-0400** | | **Manual Pull Stations, Industrial Fire Control System** *(21 22 16 00-0393)* | | |
| 21 22 16 00-0401 | EA | SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655) | 102.61 | 14.08 |
| 21 22 16 00-0402 | EA | DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656) | 144.67 | 19.90 |
| 21 22 16 00-0403 | EA | Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657) | 1,129.53 | 156.32 |
| 21 22 16 00-0404 | EA | Surface Mounted Back Box For Manual Pull Stations, Industrial Fire Control System (Ansul 428660) | 32.84 | 4.51 |
| 21 22 16 00-0405 | EA | Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654) | 14.72 | 2.01 |
| **21 22 16 00-0406** | | **Marine Fire Control System** *(21 22 16 00-0026)* | | |
| **21 22 16 00-0407** | | **Alarm Devices, Marine Fire Control System** *(21 22 16 00-0406)* | | |
| 21 22 16 00-0408 | EA | Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747) | 59.51 | 8.16 |
| 21 22 16 00-0409 | EA | 6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805) | 109.70 | 15.77 |
| 21 22 16 00-0410 | EA | 10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806) | 109.70 | 15.77 |

# 21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

## 21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

| | | | | |
|---|---|---|---|---|
| **21 23 16 00-0001** | | **Kidde Fire Systems** *(21 23 16)*<br>Note: Kidde or equal. | | |
| **21 23 16 00-0002** | | **Cylinders And Hardware** *(21 23 16 00-0001)* | | |
| 21 23 16 00-0003 | EA | 125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent | 1,103.75 | 97.01 |
| 21 23 16 00-0004 | EA | 260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent | 1,264.31 | 120.83 |
| 21 23 16 00-0005 | EA | 400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent | 1,548.80 | 149.08 |
| 21 23 16 00-0006 | EA | 600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent | 1,828.58 | 176.88 |
| 21 23 16 00-0007 | EA | Discharge Adapter Kit (One Required Per Cylinder) | 62.02 | 5.07 |
| 21 23 16 00-0008 | EA | System Valve Actuator | 221.95 | 20.16 |
| 21 23 16 00-0009 | EA | Vent Plug | 41.52 | 4.10 |
| 21 23 16 00-0010 | EA | Gauge Shield | 96.25 | 10.78 |
| 21 23 16 00-0011 | EA | 125 Cylinder Wall Mounting Bracket | 114.23 | 10.78 |
| 21 23 16 00-0012 | EA | 260 Cylinder Wall Mounting Bracket | 121.08 | 11.42 |
| 21 23 16 00-0013 | EA | 400S And M Cylinder Wall Mounting Bracket | 230.23 | 21.56 |
| 21 23 16 00-0014 | EA | 600 And 400M Cylinder Shelf Bracket | 224.94 | 24.47 |
| 21 23 16 00-0015 | EA | 600 And 400M Cylinder Floor Mounting Kit | 285.91 | 24.52 |
| 21 23 16 00-0016 | EA | 125 And 260 Cylinder Replacement Bracket Strap | 38.52 | |
| 21 23 16 00-0017 | EA | 400 And 600 Cylinder Replacement Bracket Strap | 40.65 | |
| **21 23 16 00-0018** | | **Nozzles And Accessories** *(21 23 16 00-0001)* | | |
| 21 23 16 00-0019 | EA | ADP, F, GRW Or R Nozzle | 102.36 | 9.91 |
| 21 23 16 00-0020 | EA | LPF Or DM Nozzle | 111.62 | 9.91 |
| 21 23 16 00-0021 | EA | LPR Nozzle | 130.71 | 9.91 |
| 21 23 16 00-0022 | EA | 3/8" Swivel Adapter For Nozzles | 76.97 | 7.01 |
| 21 23 16 00-0023 | EA | Removal And Replacement Of Nozzle Seals | 12.11 | |
| 21 23 16 00-0024 | EA | Chrome Nozzle Disc Cap | 7.47 | 0.64 |
| 21 23 16 00-0025 | EA | LPR Nozzle Disc Cap | 36.79 | 9.86 |
| **21 23 16 00-0026** | | **Control Systems** *(21 23 16 00-0001)* | | |
| 21 23 16 00-0027 | EA | XV Control System<br>Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit. | 1,219.77 | 64.68 |
| 21 23 16 00-0028 | EA | 7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System) | 102.65 | 10.78 |
| 21 23 16 00-0029 | EA | 24" High Pressure Hose | 121.85 | 10.78 |
| 21 23 16 00-0030 | EA | 60" High Pressure Hose | 164.53 | 10.78 |
| 21 23 16 00-0031 | EA | XV Solenoid Kit (Electric Actuator), 24 Volt DC | 237.29 | 21.56 |
| 21 23 16 00-0032 | EA | XV Microswitch Kit, SPDT | 77.89 | 10.13 |
| 21 23 16 00-0033 | EA | XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release | 84.29 | 10.13 |
| 21 23 16 00-0034 | EA | EMT Connector Kit (EMT Connector And O-Ring) | 33.24 | 8.09 |
| 21 23 16 00-0035 | EA | KRS-50 Control Box Assembly<br>Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label. | 685.29 | 41.77 |
| 21 23 16 00-0036 | EA | SPDT Microswitch For KRS-50 | 107.33 | 10.13 |
| 21 23 16 00-0037 | EA | DPDT Microswitch For KRS-50 | 194.49 | 17.57 |
| 21 23 16 00-0038 | EA | SPDT Pressure Switch (Fire Department Tie-In) | 596.23 | 56.38 |
| **21 23 16 00-0039** | | **Mechanical Actuation Components** *(21 23 16 00-0001)* | | |
| 21 23 16 00-0040 | EA | Universal Detector Link Housing Kit, Mechanical Actuation Systems<br>Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves. | 63.83 | 16.17 |
| 21 23 16 00-0041 | EA | XV Low Profile Link Detector Housing Kit<br>Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook. | 87.81 | 16.17 |
| 21 23 16 00-0042 | EA | XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip | 243.49 | 10.78 |
| 21 23 16 00-0043 | EA | XV Remote Manual Release, Pull-To-Trip | 185.87 | 10.78 |
| 21 23 16 00-0044 | EA | Corner Pulley, Mechanical Actuation Systems | 29.90 | 2.91 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 23 16 00-0045 | EA | Double Tee Pulley, Mechanical Actuation Systems | 422.72 | 17.79 |
| 21 23 16 00-0046 | EA | In-Line Tee Pulley, Mechanical Actuation Systems | 50.17 | 4.74 |
| 21 23 16 00-0047 | EA | Corner Pulley / Quik-Seal Adapter Combination | 98.27 | 5.39 |
| 21 23 16 00-0048 | LF | 1/16" Cable, Mechanical Actuation Systems | 2.73 | 1.08 |
| 21 23 16 00-0049 | EA | Cable Clamp | 13.88 | 0.54 |
| 21 23 16 00-0050 | EA | Cable Crimp Sleeve, Mechanical Actuation Systems | 1.86 | 0.43 |
| 21 23 16 00-0051 | EA | "S" Hook, Mechanical Actuation Systems | 1.79 | 0.43 |
| 21 23 16 00-0052 | EA | 1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems | 107.08 | 10.02 |
| **21 23 16 00-0053** | | **Mechanical Detection Links** *(21 23 16 00-0001)* | | |
| 21 23 16 00-0054 | EA | KGS Standard Response Link | 21.53 | 5.39 |
| 21 23 16 00-0055 | EA | KGS Rapid Response Link | 32.27 | 5.39 |
| 21 23 16 00-0056 | EA | KFA Type "A" Fusible Link | 27.45 | 5.39 |
| 21 23 16 00-0057 | EA | KML Type "ML" Fusible Link | 25.72 | 5.39 |
| 21 23 16 00-0058 | EA | 500 Degree, KML Type "ML" Fusible Link | 38.52 | 5.39 |
| **21 23 16 00-0059** | | **Gas Valves** *(21 23 16 00-0001)* | | |
| 21 23 16 00-0060 | EA | 3/4" NPT Mechanical Cable Operated Gas Shut-off Valve | 493.04 | 23.28 |
| 21 23 16 00-0061 | EA | 1" NPT Mechanical Cable Operated Gas Shut-off Valve | 535.37 | 28.67 |
| 21 23 16 00-0062 | EA | 1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve | 613.51 | 36.22 |
| 21 23 16 00-0063 | EA | 1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve | 672.50 | 41.71 |
| 21 23 16 00-0064 | EA | 2" NPT Mechanical Cable Operated Gas Shut-off Valve | 724.70 | 49.26 |
| 21 23 16 00-0065 | EA | 2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve | 1,205.55 | 72.00 |
| 21 23 16 00-0066 | EA | 3" NPT Mechanical Cable Operated Gas Shut-off Valve | 1,345.01 | 83.32 |
| 21 23 16 00-0067 | EA | Pneumatic Release (Single Unit) | 560.14 | 26.30 |
| 21 23 16 00-0068 | EA | Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve | 63.12 | |
| 21 23 16 00-0069 | EA | 1/2" Electric Solenoid Gas Shut-off Valve | 515.73 | 21.67 |
| 21 23 16 00-0070 | EA | 3/4" Electric Solenoid Gas Shut-off Valve | 518.98 | 23.28 |
| 21 23 16 00-0071 | EA | 1" Electric Solenoid Gas Shut-off Valve | 804.01 | 28.67 |
| 21 23 16 00-0072 | EA | 1-1/4" Electric Solenoid Gas Shut-off Valve | 848.80 | 36.22 |
| 21 23 16 00-0073 | EA | 1-1/2" Electric Solenoid Gas Shut-off Valve | 974.49 | 41.71 |
| 21 23 16 00-0074 | EA | 2" Electric Solenoid Gas Shut-off Valve | 1,254.57 | 49.26 |
| 21 23 16 00-0075 | EA | 2-1/2" Electric Solenoid Gas Shut-off Valve | 2,078.17 | 72.00 |
| 21 23 16 00-0076 | EA | 3" Electric Solenoid Gas Shut-off Valve | 2,614.11 | 83.32 |
| 21 23 16 00-0077 | EA | Manual Reset Relay | 670.60 | 108.33 |
| **21 23 16 00-0078** | | **Liquid Tight Sealing Adapters** *(21 23 16 00-0001)* | | |
| 21 23 16 00-0079 | EA | 3/8" Tubing, Compression Seal Adapter | 55.36 | 4.52 |
| 21 23 16 00-0080 | EA | 1/2" Tubing, 1/4" Pipe, Compression Seal Adapter | 54.30 | 4.96 |
| 21 23 16 00-0081 | EA | 5/8" Tubing, 3/8" Pipe, Compression Seal Adapter | 63.71 | 5.93 |
| 21 23 16 00-0082 | EA | 3/4" Tubing, 1/2" Pipe, Compression Seal Adapter | 73.77 | 6.36 |
| 21 23 16 00-0083 | EA | 1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter | 63.71 | 5.93 |
| 21 23 16 00-0084 | EA | 3/8" NPT Female, Quik-Seal Adapter | 54.30 | 4.96 |
| 21 23 16 00-0085 | EA | 1/2" NPT Female, Quik-Seal Adapter | 54.30 | 4.96 |
| 21 23 16 00-0086 | EA | 3/4" NPT Female, Quik-Seal Adapter | 89.04 | 8.41 |
| 21 23 16 00-0087 | EA | 1" NPT Female, Quik-Seal Adapter | 118.57 | 11.10 |
| 21 23 16 00-0088 | EA | Quik-Patch For Hole Patching Up To 1-1/8" Diameter | 54.30 | |
| **21 23 16 00-0089** | | **Pressure Operated Releasing Systems** *(21 23 16 00-0001)* | | |
| 21 23 16 00-0090 | EA | KRS-100 Nitrogen Cylinder | 396.70 | 32.56 |
| 21 23 16 00-0091 | EA | KRS-100 Actuator Assembly | 353.54 | 33.20 |
| 21 23 16 00-0092 | EA | KRS-100 Mounting Bracket | 286.78 | 8.19 |
| 21 23 16 00-0093 | EA | KRS-700S Nitrogen Cylinder | 1,015.88 | 93.89 |
| 21 23 16 00-0094 | EA | KRS-700 Mounting Bracket | 216.19 | 20.05 |
| 21 23 16 00-0095 | EA | KRS-700S Discharge Adapter Kit | 332.73 | 20.05 |
| 21 23 16 00-0096 | EA | Check Valve, Pressure Operated Releasing Systems | 332.26 | 14.23 |
| 21 23 16 00-0097 | EA | Vent Check, Pressure Operated Releasing Systems | 99.72 | 9.06 |
| 21 23 16 00-0098 | EA | Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly | 13.23 | |
| 21 23 16 00-0099 | EA | 3 Pole, Double Throw Pressure Switch | 814.17 | 75.46 |
| **21 23 16 00-0100** | | **Pyro-Chem Kitchen Fire Suppression Systems** *(21 23 16)* | | |
| **21 23 16 00-0101** | | **Cylinders, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0102 | EA | 3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194) | 987.71 | 76.53 |
| 21 23 16 00-0103 | EA | 4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193) | 1,422.71 | 110.27 |
| 21 23 16 00-0104 | EA | 6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196) | 1,866.09 | 150.80 |
| 21 23 16 00-0105 | EA | Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053) | 201.57 | 18.00 |
| 21 23 16 00-0106 | EA | Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208) | 1,327.33 | 117.71 |
| 21 23 16 00-0107 | EA | Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966) | 810.42 | 71.79 |
| **21 23 16 00-0108** | | **Fusible Links, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0109 | EA | 165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522) | 26.17 | 2.37 |
| 21 23 16 00-0110 | EA | 212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523) | 26.17 | 2.37 |
| 21 23 16 00-0111 | EA | 280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524) | 26.82 | 2.37 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 23 16 00-0112 | EA | 360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525) | 26.17 | 2.37 |
| 21 23 16 00-0113 | EA | 450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526) | 26.17 | 2.37 |
| 21 23 16 00-0114 | EA | 500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527) | 28.53 | 2.37 |
| 21 23 16 00-0115 | EA | Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131) | 45.33 | 3.99 |
| 21 23 16 00-0116 | EA | Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132) | 58.82 | 5.28 |
| 21 23 16 00-0117 | EA | Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876) | 64.57 | 27.27 |
| 21 23 16 00-0118 | EA | 225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6) | 562.38 | 60.69 |
| **21 23 16 00-0119** | | **Gas Valves, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0120 | EA | 3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593) | 479.62 | 23.28 |
| 21 23 16 00-0121 | EA | 1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594) | 545.52 | 28.67 |
| 21 23 16 00-0122 | EA | 1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595) | 586.92 | 36.22 |
| 21 23 16 00-0123 | EA | 1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596) | 644.98 | 41.61 |
| 21 23 16 00-0124 | EA | 2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049) | 741.47 | 49.16 |
| 21 23 16 00-0125 | EA | 2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185) | 1,742.37 | 71.90 |
| 21 23 16 00-0126 | EA | 3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186) | 1,856.92 | 83.21 |
| 21 23 16 00-0127 | EA | 3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358) | 374.59 | 23.28 |
| 21 23 16 00-0128 | EA | 1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359) | 642.66 | 28.67 |
| 21 23 16 00-0129 | EA | 1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360) | 668.29 | 36.22 |
| 21 23 16 00-0130 | EA | 1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361) | 760.47 | 41.61 |
| 21 23 16 00-0131 | EA | 2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362) | 1,056.49 | 49.16 |
| 21 23 16 00-0132 | EA | 2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363) | 2,052.11 | 71.90 |
| 21 23 16 00-0133 | EA | 3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643) | 2,161.45 | 83.21 |
| **21 23 16 00-0134** | | **Nozzles, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0135 | EA | Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) | 93.94 | 7.98 |
| 21 23 16 00-0136 | EA | Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) | 133.86 | 10.13 |
| 21 23 16 00-0137 | EA | Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) | 527.51 | 10.13 |
| **21 23 16 00-0138** | | **Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0139 | EA | Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059) | 34.63 | 3.12 |
| 21 23 16 00-0140 | EA | PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104) | 1,134.40 | 101.21 |
| 21 23 16 00-0141 | EA | PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690) | 1,445.39 | 129.46 |
| **21 23 16 00-0142** | | **Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0143 | EA | 24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303) | 741.54 | 66.29 |
| 21 23 16 00-0144 | EA | 120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302) | 894.77 | 79.87 |
| **21 23 16 00-0145** | | **Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0146 | EA | Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203) | 818.15 | 73.08 |
| 21 23 16 00-0147 | EA | Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200) | 853.83 | 76.42 |
| 21 23 16 00-0148 | EA | 24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201) | 1,112.28 | 99.38 |
| 21 23 16 00-0149 | EA | 120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202) | 1,275.88 | 114.26 |
| 21 23 16 00-0150 | EA | Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853) | 103.62 | 9.27 |
| **21 23 16 00-0151** | | **Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0152 | EA | Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670) | 26.19 | 1.51 |
| 21 23 16 00-0153 | EA | Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250) | 26.88 | 1.94 |
| 21 23 16 00-0154 | EA | Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166) | 83.11 | 7.43 |
| 21 23 16 00-0155 | EA | Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272) | 1.02 | |
| **21 23 16 00-0156** | | **Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0157 | EA | SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227) | 90.38 | 8.09 |
| 21 23 16 00-0158 | EA | DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237) | 181.04 | 16.06 |
| 21 23 16 00-0159 | EA | Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978) | 383.14 | 34.07 |
| **21 23 16 00-0160** | | **Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0161 | LF | 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821) | 1.82 | 0.32 |
| 21 23 16 00-0162 | EA | Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122) | 1.02 | 0.32 |
| 21 23 16 00-0163 | EA | High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551) | 4.50 | 0.43 |
| 21 23 16 00-0164 | EA | "S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121) | 0.73 | |
| **21 23 16 00-0165** | | **Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0166 | EA | Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698) | 85.84 | 7.76 |
| 21 23 16 00-0167 | EA | Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831) | 89.63 | 8.09 |
| 21 23 16 00-0168 | EA | Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705) | 10.50 | 0.97 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 23 16 00-0169 | EA | 225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236) | 123.45 | 10.57 |
| 21 23 16 00-0170 | EA | Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716) | 17.27 | 1.51 |
| 21 23 16 00-0171 | EA | Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707) | 24.03 | 2.16 |
| 21 23 16 00-0172 | EA | Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715) | 10.50 | 0.97 |
| 21 23 16 00-0173 | EA | Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528) | 14.79 | 1.29 |
| 21 23 16 00-0174 | EA | Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529) | 14.46 | 1.29 |
| 21 23 16 00-0175 | EA | Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530) | 4.14 | 0.32 |
| 21 23 16 00-0176 | EA | Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257) | 7.01 | |
| 21 23 16 00-0177 | EA | O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063) | 133.87 | |
| 21 23 16 00-0178 | EA | 3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024) | 916.26 | |
| 21 23 16 00-0179 | EA | 4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902) | 1,187.40 | |
| 21 23 16 00-0180 | EA | 6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901) | 1,370.32 | |
| **21 23 16 00-0181** | | **Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0182 | EA | 3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857) | 42.07 | 3.67 |
| 21 23 16 00-0183 | EA | 1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859) | 43.57 | 3.88 |
| 21 23 16 00-0184 | EA | Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788) | 83.91 | 7.43 |
| 21 23 16 00-0185 | EA | Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240) | 118.71 | |
| 21 23 16 00-0186 | EA | 3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188) | 255.19 | |
| **21 23 16 00-0187** | | **Pull Stations/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)* | | |
| 21 23 16 00-0188 | EA | Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074) | 169.45 | 15.20 |
| 21 23 16 00-0189 | EA | Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166) | 179.24 | 21.34 |
| 21 23 16 00-0190 | EA | Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088) | 45.33 | 3.99 |
| 21 23 16 00-0191 | EA | Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661) | 5.76 | 1.40 |
| **21 23 16 00-0192** | | **Asco Gas Valve Control Panels** *(21 23 16)* | | |
| 21 23 16 00-0193 | EA | Relay Control Panel For AC Solenoid Valves (Asco 108D90C) | 2,585.18 | 237.14 |
| 21 23 16 00-0194 | EA | Relay Control Panel For DC Solenoid Valves (Asco 108D10C) | 2,672.82 | 237.14 |
| 21 23 16 00-0195 | EA | Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89) | 874.37 | 53.90 |
| 21 23 16 00-0196 | EA | Emergency Stop Station For Relay Control Panel (Asco 173A19) | 817.12 | 53.90 |

# 21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

## 21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

| | | | | |
|---|---|---|---|---|
| **21 24 16 00-0001** | | **Amerex KP Restaurant Fire Suppression Systems** *(21 24 16)* | | |
| | | Note: Amerex or equal. | | |
| 21 24 16 00-0002 | EA | 3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve | 680.40 | 83.65 |
| 21 24 16 00-0003 | EA | 6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve | 951.92 | 105.46 |
| 21 24 16 00-0004 | EA | Recharge - KP Liquid Agent (3.75 Gallon) | 226.08 | |
| 21 24 16 00-0005 | EA | Recharge - KP Liquid Agent (6 Gallon) | 397.43 | |
| 21 24 16 00-0006 | EA | 3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet | 158.25 | 17.56 |
| 21 24 16 00-0007 | EA | 6 Gallon, Bracket Assembly Agent Cylinder | 92.19 | 10.18 |
| 21 24 16 00-0008 | EA | 6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit | 39.99 | |
| 21 24 16 00-0009 | EA | 6 Gallon, Pneumatic Actuator, Agent Cylinder | 158.25 | 17.56 |
| 21 24 16 00-0010 | EA | MRM Actuator (Less N2 Cylinder And Enclosure) | 397.43 | 44.02 |
| 21 24 16 00-0011 | EA | Painted Steel, MRM Enclosure | 211.80 | 23.41 |
| 21 24 16 00-0012 | EA | Stainless Steel, MRM Enclosure | 259.97 | 23.41 |
| 21 24 16 00-0013 | EA | Stainless Steel, Single Cylinder System Cabinet | 630.66 | 69.88 |
| 21 24 16 00-0014 | EA | N2 - 1/4" x 16" Actuation Hose | 47.59 | 5.27 |
| 21 24 16 00-0015 | EA | 10 CU. Inch, Nitrogen Cylinder | 211.80 | 23.41 |
| | | Note: Use For 1-10 Agent Cylinders | | |
| 21 24 16 00-0016 | EA | Vent Check | 38.08 | 4.22 |
| 21 24 16 00-0017 | EA | Detector | 28.55 | 3.16 |
| | | Note: Includes bracket, linkage and conduit fittings. | | |
| 21 24 16 00-0018 | EA | 280 To 450 Degree F, Fusible Link | 10.72 | 1.17 |
| 21 24 16 00-0019 | EA | Test Link | 3.21 | |
| 21 24 16 00-0020 | EA | Corner Pulley | 14.76 | 1.64 |
| 21 24 16 00-0021 | EA | 1/16", 500 Foot Spool, Cable | 237.97 | 26.34 |
| 21 24 16 00-0022 | EA | Pulley Tee | 107.08 | 11.82 |
| 21 24 16 00-0023 | EA | Manual Pull Station (Standard) | 95.19 | 10.53 |
| 21 24 16 00-0024 | EA | Manual Pull Station, Adapter Kit (Recess Standard Pull Station) | 44.65 | 4.91 |
| 21 24 16 00-0025 | EA | Manual Pull Station (Oversized) | 106.13 | 11.71 |
| 21 24 16 00-0026 | EA | Conduit Offset | 21.18 | 2.35 |
| 21 24 16 00-0027 | EA | 3/8" Pipe Thread, Seal (Quick-Seal) | 29.18 | 3.28 |
| 21 24 16 00-0028 | EA | 1/2" Pipe Thread, Seal (Quick-Seal | 23.80 | 2.69 |
| 21 24 16 00-0029 | EA | 3/8" Pipe Compression Seal | 39.74 | 4.45 |
| 21 24 16 00-0030 | EA | 1/2" Pipe Compression Seal | 39.74 | 4.45 |
| 21 24 16 00-0031 | EA | Cap, Nozzle Blow-Off (Standard) | 10.69 | 3.04 |
| 21 24 16 00-0032 | EA | Cap, Nozzle Blow-Off (High Temperature) | 26.44 | 3.04 |
| 21 24 16 00-0033 | EA | 2 Flow Points, Fryer/Griddle Nozzle | 47.59 | 5.27 |
| 21 24 16 00-0034 | EA | 1 Flow Point Each, Appliance, Plenum Nozzle | 47.59 | 5.27 |
| 21 24 16 00-0035 | EA | Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each | 47.59 | 5.27 |
| 21 24 16 00-0036 | EA | 1/2 Flow Points Each, Upright Charbroiler Nozzle | 47.59 | 5.27 |
| 21 24 16 00-0037 | EA | 2 Flow Points Each, Duct (Only) Nozzle | 47.59 | 5.27 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 24 16 00-0038 | EA | 2 Flow Points Each, Four Burner Range Nozzle | 68.44 | 7.61 |
| 21 24 16 00-0039 | EA | 3/4" Or 1" Mechanical Gas Valve | 382.56 | 31.02 |
| 21 24 16 00-0040 | EA | 1-1/4" Or 1-1/2" Mechanical Gas Valve | 447.71 | 45.06 |
| 21 24 16 00-0041 | EA | 2" Mechanical Gas Valve | 558.58 | 53.26 |
| 21 24 16 00-0042 | EA | Manual Reset Relay (Required With Every Electric Gas Valve) | 599.69 | 66.37 |
| 21 24 16 00-0043 | EA | SPDT Microswitch With 18" Leads | 31.56 | 3.51 |
| 21 24 16 00-0044 | EA | Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve | 50.93 | 5.62 |
| 21 24 16 00-0045 | EA | Gas Valve Trip Assembly | 107.09 | 11.82 |
| 21 24 16 00-0046 | | **Range Guard Fire Suppression Systems** *(21 24 16)* | | |
| | | Note: Range Guard or equal. | | |
| 21 24 16 00-0047 | EA | 1-1/4 Gallon Charged Cylinder With Valve | 721.81 | 90.43 |
| 21 24 16 00-0048 | EA | 2-1/2 Gallon Charged Cylinder With Valve | 901.02 | 112.86 |
| 21 24 16 00-0049 | EA | 4 Gallon Charged Cylinder With Valve | 1,112.37 | 139.37 |
| 21 24 16 00-0050 | EA | 6 Gallon Charged Cylinder With Valve | 1,321.25 | 165.46 |
| 21 24 16 00-0051 | EA | Vent Plug | 30.32 | 3.78 |
| 21 24 16 00-0052 | EA | Discharge Adapter Kit | 39.05 | |
| 21 24 16 00-0053 | EA | 1-1/4 Gallon Wall Bracket | 80.34 | 10.02 |
| 21 24 16 00-0054 | EA | 2-1/2 Gallon Wall Bracket | 85.03 | 10.67 |
| 21 24 16 00-0055 | EA | 4 Gallon Wall Bracket | 160.58 | 20.16 |
| 21 24 16 00-0056 | EA | 6 Gallon Wall Bracket | 177.97 | 22.31 |
| 21 24 16 00-0057 | EA | Mechanical Control Head, No Microswitch | 627.88 | 78.69 |
| 21 24 16 00-0058 | EA | Mechanical Control Head, 1 Microswitch | 655.07 | 82.02 |
| 21 24 16 00-0059 | EA | Mechanical Control Head, 2 Microswitches | 751.46 | 94.10 |
| 21 24 16 00-0060 | EA | Tandem Control Head | 571.02 | 71.57 |
| 21 24 16 00-0061 | EA | Electric Control Head, 120 Volt AC / 24 Volt DC | 966.52 | 121.05 |
| 21 24 16 00-0062 | EA | Mechanical Control Box | 430.11 | 53.90 |
| 21 24 16 00-0063 | EA | Tandem Control Box | 430.11 | 53.90 |
| 21 24 16 00-0064 | EA | Mechanical Control Box Adapter | 126.07 | 15.84 |
| 21 24 16 00-0065 | EA | A+ Control head With 1 Pressure Operated Actuator | 378.86 | 47.42 |
| 21 24 16 00-0066 | EA | Pressure Operated Actuator | 155.73 | 19.51 |
| 21 24 16 00-0067 | EA | BMCS-1 Nitrogen Cylinder | 252.14 | 31.58 |
| 21 24 16 00-0068 | EA | BMCS-1 Actuator Assembly | 257.08 | 32.23 |
| 21 24 16 00-0069 | EA | BMCS-1 Mounting Bracket | 63.03 | 7.87 |
| 21 24 16 00-0070 | EA | BMCS-7 Nitrogen Cylinder | 727.53 | 91.08 |
| 21 24 16 00-0071 | EA | BMCS-7 Mounting Bracket | 155.73 | 19.51 |
| 21 24 16 00-0072 | EA | BMCS-7 Discharge Adapter Kit | 155.73 | 19.51 |
| 21 24 16 00-0073 | EA | Check Valve | 128.68 | 23.18 |
| 21 24 16 00-0074 | EA | Vent Check For Use With BMCS Systems | 70.45 | 8.83 |
| 21 24 16 00-0075 | EA | Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator | 30.65 | 3.84 |
| 21 24 16 00-0076 | EA | Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly | 8.06 | |
| 21 24 16 00-0077 | EA | Pneumatic Control Head For Slave Cylinders | 160.68 | 20.16 |
| 21 24 16 00-0078 | EA | Nozzles; ADP, F, R And GRW | 73.66 | 9.27 |
| 21 24 16 00-0079 | EA | Nozzles; DM And LPF | 82.07 | 10.24 |
| 21 24 16 00-0080 | EA | Swivel Adapter | 51.91 | 6.47 |
| 21 24 16 00-0081 | EA | Corner Pulley | 22.24 | 2.80 |
| 21 24 16 00-0082 | LF | 1/16" Stainless Steel Cable | 0.95 | 0.32 |
| 21 24 16 00-0083 | EA | Cable Crimp Sleeve | 1.15 | 0.32 |
| 21 24 16 00-0084 | EA | "S" Hook | 0.92 | 0.21 |
| 21 24 16 00-0085 | EA | Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT | 76.60 | 9.59 |
| 21 24 16 00-0086 | EA | Cable Clamp | 6.82 | 0.87 |
| 21 24 16 00-0087 | EA | Nico Sleeves - 1/16" Cable | 0.92 | 0.21 |
| 21 24 16 00-0088 | EA | 3/8" Cable Anchor | 80.96 | 10.13 |
| 21 24 16 00-0089 | EA | 1/2" Cable Anchor | 80.96 | 10.13 |
| 21 24 16 00-0090 | EA | Mechanical Remote Manual Release (Pull Cable) | 130.95 | 16.39 |
| 21 24 16 00-0091 | EA | Tee Pulley, Use For Mechanical Pull And Gas Valve | 139.75 | 17.47 |
| 21 24 16 00-0092 | EA | Surface Remote Manual Release, End-of-line | 163.72 | 20.48 |
| 21 24 16 00-0093 | EA | Surface Remote Manual Release, In line Conservation Kit | 51.29 | 6.47 |
| 21 24 16 00-0094 | EA | Surface Remote Manual Release, In line And End Of Line | 214.95 | 26.84 |
| 21 24 16 00-0095 | EA | Recessed Remote Manual Release, End-of-line | 163.72 | 20.48 |
| 21 24 16 00-0096 | EA | Recessed Remote Manual Release, In Line Kit | 195.18 | 24.47 |
| 21 24 16 00-0097 | EA | Pulley Tee, Remote In Line Only | 35.08 | 4.42 |
| 21 24 16 00-0098 | EA | Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve | 38.94 | 4.86 |
| 21 24 16 00-0099 | EA | Fusible Link 165F To 360F | 12.75 | 1.62 |
| 21 24 16 00-0100 | EA | Fusible Link 500F | 20.44 | 1.62 |
| 21 24 16 00-0101 | EA | Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves | 38.94 | 4.86 |
| 21 24 16 00-0102 | EA | Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve | 28.29 | 4.86 |
| 21 24 16 00-0103 | EA | Quartzoid Link 400 F | 210.01 | 26.30 |
| 21 24 16 00-0104 | EA | Quartzoid Link 500 F | 210.01 | 26.30 |
| 21 24 16 00-0105 | EA | SPDT Micro Switch For Use With A Plus Control Box | 75.26 | 9.38 |
| 21 24 16 00-0106 | EA | DPDT Micro Switch For Use With A Plus Control Box | 130.95 | 16.39 |
| 21 24 16 00-0107 | EA | SPDT Micro Switch For Use With A Mechanical Control Box | 77.83 | 9.70 |
| 21 24 16 00-0108 | EA | DPDT Micro Switch For Use With A Mechanical Control Box | 134.88 | 16.92 |
| 21 24 16 00-0109 | EA | SPDT Micro Switch For Use With PRCB | 98.83 | 12.40 |
| 21 24 16 00-0110 | EA | DPDT Micro Switch For Use With PRCB | 142.56 | 17.79 |
| 21 24 16 00-0111 | EA | Pressure Switch, SPDT (Fire Dept. Tie In) | 417.57 | 52.28 |
| 21 24 16 00-0112 | EA | Circuit Monitor 12 Or 24 Volt DC | 187.78 | 23.50 |
| 21 24 16 00-0113 | EA | Circuit Monitor 120 Volt AC | 187.78 | 23.50 |
| 21 24 16 00-0114 | EA | Electric Manual Pull Station | 137.12 | 17.13 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 24 16 00-0115 | EA | 6", 24 Volt DC, Motor Bell | 76.59 | 9.59 |
| 21 24 16 00-0116 | EA | 10", 115 Volt AC Motor Bell | 108.72 | 13.58 |
| 21 24 16 00-0117 | EA | Fuse, 1.2 For ECH | 8.81 | 1.08 |
| 21 24 16 00-0118 | EA | Indicator Lamp 12 Or 24 Volt DC | 38.94 | 4.86 |
| 21 24 16 00-0119 | EA | Indicator Lamp 120 Volt AC | 38.94 | 4.86 |
| 21 24 16 00-0120 | EA | B-10 Manual Station Dual Action, SPDT | 143.31 | 17.89 |
| 21 24 16 00-0121 | EA | B-11 Manual Station Dual Action, DPDT | 158.13 | 19.83 |
| 21 24 16 00-0122 | EA | Break Rods For B10/B11 Manual Pull Station | 3.94 | 1.40 |
| 21 24 16 00-0123 | EA | Spare Key For B10/B11 Manual Stations | 19.77 | 2.48 |
| 21 24 16 00-0124 | EA | MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill | 212.48 | 26.62 |
| 21 24 16 00-0125 | EA | Suppression Abort Station | 224.85 | 28.13 |
| 21 24 16 00-0126 | EA | Suppression Abort Station With Surface Mount Back Box | 261.90 | 32.77 |
| 21 24 16 00-0127 | EA | Surface Mount Back Box | 86.48 | 10.78 |
| 21 24 16 00-0128 | EA | Single Hazard Control Unit, 120 Volt AC IP | 1,605.99 | 200.81 |
| 21 24 16 00-0129 | EA | Single Hazard Control Unit, 240 Volt AC IP | 1,605.99 | 200.81 |
| 21 24 16 00-0130 | EA | 1 Lead Acid Battery; 24 Volt DC, 1.2 A.H. | 133.42 | 16.71 |
| 21 24 16 00-0131 | EA | Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W) | 5.10 | 0.76 |
| 21 24 16 00-0132 | EA | Spare Scorpio Circuit Board | 1,161.18 | |
| 21 24 16 00-0133 | EA | Extra Scorpio Key | 19.77 | |
| 21 24 16 00-0134 | EA | Extra Scorpio Manual | 12.35 | |
| 21 24 16 00-0135 | EA | Compression Seal Adapter 3/8" Pipe | 33.60 | 4.20 |
| 21 24 16 00-0136 | EA | Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe | 36.48 | 4.52 |
| 21 24 16 00-0137 | EA | Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe | 43.89 | 5.50 |
| 21 24 16 00-0138 | EA | Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe | 46.94 | 5.82 |
| 21 24 16 00-0139 | EA | Quik Seal Adapter 3/8" NPT Female | 36.48 | 4.52 |
| 21 24 16 00-0140 | EA | Quik Seal Adapter 1/2" NPT Female | 36.48 | 4.52 |
| 21 24 16 00-0141 | EA | Quik Seal Adapter 3/4" NPT Female | 62.41 | 7.87 |
| 21 24 16 00-0142 | EA | Quik Seal Adapter 1" NPT Female | 82.77 | 10.34 |
| 21 24 16 00-0143 | EA | Quik Patch (Up To 1-1/8" Diameter) | 36.48 | 4.52 |
| 21 24 16 00-0144 | EA | 1-1/4 Gallon Karbaloy Charge | 81.19 | |
| 21 24 16 00-0145 | EA | 2-1/2 Gallon Karbaloy Charge | 139.59 | |
| 21 24 16 00-0146 | EA | 4 Gallon Karbaloy Charge | 210.99 | |
| 21 24 16 00-0147 | EA | 6 Gallon Karbaloy Charge | 308.73 | |
| 21 24 16 00-0148 | EA | Inlet Flushing Adapter | 60.53 | 7.54 |
| 21 24 16 00-0149 | EA | 1/2" Flushing Adapter (Outlet) | 60.53 | 7.54 |
| 21 24 16 00-0150 | EA | 1/8" Flushing Adapter (Outlet) | 60.53 | 7.54 |
| 21 24 16 00-0151 | EA | 1/4" Flushing Adapter (Outlet) | 60.53 | 7.54 |
| 21 24 16 00-0152 | EA | 3/8" Flushing Adapter (Outlet) | 60.53 | 7.54 |
| 21 24 16 00-0153 | EA | Recharge Adapter (Old Style Cylinder Valve Assembly Only) | 84.00 | |
| 21 24 16 00-0154 | EA | Instruction Label (In Case Of Fire) - MCB | 6.66 | |
| 21 24 16 00-0155 | EA | Caution Sign (Turn On Fan) | 8.05 | |
| 21 24 16 00-0156 | EA | Inspection Label (Authorized installers only) | 5.55 | |
| 21 24 16 00-0157 | EA | Label, Warning, A+ Control Box | 3.88 | |
| 21 24 16 00-0158 | EA | Wet Chemical System Kits, RG-1.25G Kit; #23315 | 1,062.36 | 132.90 |
| 21 24 16 00-0159 | EA | Wet Chemical System Kits, RG-2.5G Kit; #23316 | 1,240.27 | 155.11 |
| 21 24 16 00-0160 | EA | Wet Chemical System Kits, RG-4GS Kit; #23317 | 1,544.18 | 193.16 |
| 21 24 16 00-0161 | EA | Wet Chemical System Kits, RG-4GT Kit; #23318 | 1,544.18 | 193.16 |
| 21 24 16 00-0162 | EA | Wet Chemical System Kits, RG-6G Kit; #23319 | 1,941.94 | 242.85 |
| 21 24 16 00-0163 | EA | Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320 | 920.32 | 115.12 |
| 21 24 16 00-0164 | EA | Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321 | 864.72 | 108.11 |
| 21 24 16 00-0165 | EA | Wet Chemical System Kits, A Plus Control Box Kit; #23322 | 699.19 | 87.42 |
| 21 24 16 00-0166 | EA | Wet Chemical System Kits, Valve Rebuild Kit; #23210 | 1,210.60 | 151.45 |
| 21 24 16 00-0167 | EA | Wet Chemical System Kits, BMCS-1 Package; #23208 | 1,109.30 | 138.72 |

# 21 30 Fire Pumps *(21)*

## 21 31 Centrifugal Fire Pumps *(21 30)*

### 21 31 13 Electric-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 13 00-0001 Electric-Drive Fire Pumps *(21 31 13)*

Note: Includes fire pump and motor, motor starter, panel, and controller.

| | | | | |
|---|---|---|---|---|
| 21 31 13 00-0002 | EA | 20 HP, 500 GPM, Electric-Drive Fire Pump | 26,279.31 | 2,148.35 |
| | | *For Duplex Pumping System, Add* | *24,130.97* | |
| 21 31 13 00-0003 | EA | 30 HP, 500 GPM, Electric-Drive Fire Pump | 30,350.00 | 2,416.88 |
| | | *For Duplex Pumping System, Add* | *28,112.14* | |
| 21 31 13 00-0004 | EA | 40 HP, 750 GPM, Electric-Drive Fire Pump | 40,734.22 | 2,685.43 |
| | | *For Duplex Pumping System, Add* | *38,247.71* | |
| 21 31 13 00-0005 | EA | 50 HP, 1,000 GPM, Electric-Drive Fire Pump | 50,429.15 | 3,126.79 |
| | | *For Duplex Pumping System, Add* | *47,302.38* | |
| 21 31 13 00-0006 | EA | 75 HP, 1,000 GPM, Electric-Drive Fire Pump | 56,204.08 | 3,411.03 |
| | | *For Duplex Pumping System, Add* | *52,793.05* | |

### 21 31 16 Diesel-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 16 00-0001 Diesel-Drive Fire Pumps *(21 31 16)*

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump and motor, motor starter, panel, and controller.

| | | | | |
|---|---|---|---|---|
| 21 31 16 00-0002 | EA | 30 HP Diesel Driven Fire Pump, NFPA-20 Specific | 78,989.20 | 2,558.28 |
| 21 31 16 00-0003 | EA | 40 HP Diesel Driven Fire Pump, NFPA-20 Specific | 89,351.28 | 2,842.53 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 21 31 16 00-0004 | EA | 50 HP Diesel Driven Fire Pump, NFPA-20 Specific | 93,890.67 | 3,126.79 |
| 21 31 16 00-0005 | EA | 75 HP Diesel Driven Fire Pump, NFPA-20 Specific | 106,837.32 | 3,411.03 |
| 21 31 16 00-0006 | EA | 150 HP Diesel Driven Fire Pump, NFPA-20 Specific | 113,420.79 | 3,979.54 |
| 21 31 16 00-0007 | EA | 175 HP Diesel Driven Fire Pump, NFPA-20 Specific | 122,131.35 | 5,116.55 |
| 21 31 16 00-0008 | EA | 200 HP Diesel Driven Fire Pump, NFPA-20 Specific | 132,576.71 | 5,685.06 |
| 21 31 16 00-0009 | EA | 250 HP Diesel Driven Fire Pump, NFPA-20 Specific | 151,597.05 | 6,480.97 |
| 21 31 16 00-0010 | EA | 300 HP Diesel Driven Fire Pump, NFPA-20 Specific | 181,535.68 | 6,992.62 |
| 21 31 16 00-0011 | EA | 350 HP Diesel Driven Fire Pump , NFPA-20 Specific | 212,977.67 | 7,959.08 |
| 21 31 16 00-0012 | EA | 400 HP Diesel Driven Fire Pump , NFPA-20 Specific | 252,734.68 | 8,527.58 |
| 21 31 16 00-0013 | EA | 500 HP Diesel Driven Fire Pump , NFPA-20 Specific | 284,569.44 | 9,096.09 |

## 21 34 Fire Pump Accessories *(21 30)*

### 21 34 13 Pressure Maintenance Pumps *(21 34)*

21 34 13 00-0001 Jockey Pumps *(21 34 13)*

Note: Excludes controller

| | | | | |
|---|---|---|---|---|
| 21 34 13 00-0002 | EA | 1-1/2 HP, 1-1/2" Pipe Connection, Jockey Pump | 2,667.68 | 297.07 |
| 21 34 13 00-0003 | EA | 2 HP, 1-1/2" Pipe Connection, Jockey Pump | 2,786.64 | 324.85 |
| 21 34 13 00-0004 | EA | 3 HP, 1-1/2" Pipe Connection, Jockey Pump | 3,422.13 | 359.05 |
| 21 34 13 00-0005 | EA | 5 HP, 1-1/2" Pipe Connection, Jockey Pump | 3,763.61 | 427.44 |
| 21 34 13 00-0006 | EA | 7.5 HP, 1-1/2" Pipe Connection, Jockey Pump | 5,521.89 | 525.76 |

21 34 13 00-0007 Jockey Pump Controllers *(21 34 13)*

| | | | | |
|---|---|---|---|---|
| 21 34 13 00-0008 | EA | Up To 2 HP Jockey Pump Controller | 708.73 | 85.49 |
| 21 34 13 00-0009 | EA | >2 To 7.5 HP Jockey Pump Controller | 1,082.73 | 85.49 |

**END OF SECTION 21**

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

## 22 01 Operation and Maintenance of Plumbing *(22)*

### 22 01 10 Operation and Maintenance of Plumbing Piping and Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

#### 22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

| | | | | |
|---|---|---|---|---|
| 22 01 10 61-0002 | EA | 1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt<br>Note: Includes neoprene gasket | 46.01 | |
| 22 01 10 61-0003 | EA | 3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt<br>Note: Includes neoprene gasket | 47.79 | |
| 22 01 10 61-0004 | EA | 1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt<br>Note: Includes neoprene gasket | 52.53 | |
| 22 01 10 61-0005 | EA | 1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt<br>Note: Includes neoprene gasket | 55.98 | |
| 22 01 10 61-0006 | EA | 1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt<br>Note: Includes neoprene gasket | 60.54 | |
| 22 01 10 61-0007 | EA | 2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt<br>Note: Includes neoprene gasket | 77.11 | |
| 22 01 10 61-0008 | EA | 2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt<br>Note: Includes neoprene gasket | 97.58 | |
| 22 01 10 61-0009 | EA | 3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt<br>Note: Includes neoprene gasket | 112.98 | |
| 22 01 10 61-0010 | EA | 4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt<br>Note: Includes neoprene gasket | 129.40 | |
| 22 01 10 61-0011 | EA | 1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt<br>Note: Includes neoprene gasket | 73.00 | |
| 22 01 10 61-0012 | EA | 3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt<br>Note: Includes neoprene gasket | 76.84 | |
| 22 01 10 61-0013 | EA | 1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt<br>Note: Includes neoprene gasket | 85.04 | |
| 22 01 10 61-0014 | EA | 1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt<br>Note: Includes neoprene gasket | 93.47 | |
| 22 01 10 61-0015 | EA | 1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt<br>Note: Includes neoprene gasket | 102.96 | |
| 22 01 10 61-0016 | EA | 2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt<br>Note: Includes neoprene gasket | 132.90 | |
| 22 01 10 61-0017 | EA | 2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt<br>Note: Includes neoprene gasket | 160.42 | |
| 22 01 10 61-0018 | EA | 3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt<br>Note: Includes neoprene gasket | 182.11 | |
| 22 01 10 61-0019 | EA | 4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt<br>Note: Includes neoprene gasket | 206.30 | |
| 22 01 10 61-0020 | EA | 1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt<br>Note: Includes Buna rubber gasket | 104.07 | |
| 22 01 10 61-0021 | EA | 3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt<br>Note: Includes Buna rubber gasket | 108.11 | |
| 22 01 10 61-0022 | EA | 1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt<br>Note: Includes Buna rubber gasket | 119.45 | |
| 22 01 10 61-0023 | EA | 1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt<br>Note: Includes Buna rubber gasket | 131.00 | |
| 22 01 10 61-0024 | EA | 1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt<br>Note: Includes Buna rubber gasket | 147.89 | |
| 22 01 10 61-0025 | EA | 2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt<br>Note: Includes Buna rubber gasket | 180.52 | |
| 22 01 10 61-0026 | EA | 2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt<br>Note: Includes Buna rubber gasket | 210.77 | |
| 22 01 10 61-0027 | EA | 3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt<br>Note: Includes Buna rubber gasket | 253.65 | |
| 22 01 10 61-0028 | EA | 4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt<br>Note: Includes Buna rubber gasket | 312.99 | |
| 22 01 10 61-0029 | EA | 5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt<br>Note: Includes Buna rubber gasket | 320.72 | |
| 22 01 10 61-0030 | EA | 6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt<br>Note: Includes Buna rubber gasket | 343.88 | |

#### 22 01 10 62 Plumbing Piping Relining *(22 01 10)*

22 01 10 62-0001 Relining Small Diameter Copper Pipelines Set-Up For Epoxy *(22 01 10 62)*

Note: Excludes drywall removal and repair, cuting into pipe and pipe repair See CSI section 22 11 16 00-0383 for copper pipe and fitting.

| | | | | |
|---|---|---|---|---|
| 22 01 10 62-0002 | EA | Initial Set Up And Final Equipment Removal For Relining 1/2" To 3" Copper Pipe With Epoxy | 1,356.36 | |

22 01 10 62-0003 Small Diameter Epoxy Lining Of Copper Water Piping *(22 01 10 62)*

Note: Includes draining pipe of water, dry heated air through pipe, and cleaning of pipe interior prior to lining pipe.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 01 10 62-0004 | LF | 2mm Lining 1/2" Copper Pipe With Epoxy Lining | 2.61 | |
| | | *For Up To 25, Add* | *4.32* | |
| | | *For >25 To 50, Add* | *2.64* | |
| | | *For >50 To 100, Add* | *1.32* | |
| | | *For >500, Deduct* | *-0.21* | |
| 22 01 10 62-0005 | LF | 2mm Lining 3/4" Copper Pipe With Epoxy Lining | 3.46 | |
| | | *For Up To 25, Add* | *5.14* | |
| | | *For >25 To 50, Add* | *3.16* | |
| | | *For >50 To 100, Add* | *1.58* | |
| | | *For >500, Deduct* | *-0.27* | |
| 22 01 10 62-0006 | LF | 2mm Lining 1" Copper Pipe With Epoxy Lining | 4.31 | |
| | | *For Up To 25, Add* | *5.96* | |
| | | *For >25 To 50, Add* | *3.68* | |
| | | *For >50 To 100, Add* | *1.84* | |
| | | *For >500, Deduct* | *-0.32* | |
| 22 01 10 62-0007 | LF | 2mm Lining 1-1/4" Copper Pipe With Epoxy Lining | 6.05 | |
| | | *For Up To 25, Add* | *7.61* | |
| | | *For >25 To 50, Add* | *4.73* | |
| | | *For >50 To 100, Add* | *2.37* | |
| | | *For >500, Deduct* | *-0.44* | |
| 22 01 10 62-0008 | LF | 2mm Lining 1-1/2" Copper Pipe With Epoxy Lining | 8.20 | |
| | | *For Up To 25, Add* | *9.68* | |
| | | *For >25 To 50, Add* | *6.05* | |
| | | *For >50 To 100, Add* | *3.02* | |
| | | *For >500, Deduct* | *-0.58* | |
| 22 01 10 62-0009 | LF | 4mm Lining 2" Copper Pipe With Epoxy Lining | 13.16 | |
| | | *For Up To 25, Add* | *13.66* | |
| | | *For >25 To 50, Add* | *8.63* | |
| | | *For >50 To 100, Add* | *4.31* | |
| | | *For >500, Deduct* | *-0.89* | |
| 22 01 10 62-0010 | LF | 4mm Lining 2-1/2" Copper Pipe With Epoxy Lining | 16.69 | |
| | | *For Up To 25, Add* | *17.29* | |
| | | *For >25 To 50, Add* | *10.92* | |
| | | *For >50 To 100, Add* | *5.46* | |
| | | *For >500, Deduct* | *-1.13* | |
| 22 01 10 62-0011 | LF | 4mm Lining 3" Copper Pipe With Epoxy Lining | 20.36 | |
| | | *For Up To 25, Add* | *21.25* | |
| | | *For >25 To 50, Add* | *13.41* | |
| | | *For >50 To 100, Add* | *6.70* | |
| | | *For >500, Deduct* | *-1.38* | |

## 22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

### 22 01 40 81 Plumbing Fixtures Replacement *(22 01 40)*

#### 22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim *(22 01 40 81)*

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

| | | | |
|---|---|---|---|
| 22 01 40 81-0002 | EA | Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube | 60.58 |
| 22 01 40 81-0003 | EA | Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory | 23.04 |
| 22 01 40 81-0004 | EA | Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair | 29.41 |
| 22 01 40 81-0005 | EA | Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line | 41.12 |
| 22 01 40 81-0006 | EA | Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line | 63.87 |
| 22 01 40 81-0007 | EA | Removal And Replacement Of Shower Head, Polished Chrome | 41.27 |
| 22 01 40 81-0008 | EA | Removal And Replacement Of Shower Arm | 43.65 |
| 22 01 40 81-0009 | EA | Removal And Replacement Of Shower Head | 52.55 |
| 22 01 40 81-0010 | EA | Removal And Replacement Of Shower Knob | 40.37 |
| 22 01 40 81-0011 | EA | Removal And Replacement Of Shower and Tub Control Trim<br>Note: Excludes balancing valve. | 119.50 |
| 22 01 40 81-0012 | EA | Removal And Replacement Of Sink Basket Strainer | 33.54 |
| 22 01 40 81-0013 | EA | Removal And Replacement Of 1-1/2" Sink Drain Without Stopper | 17.68 |
| 22 01 40 81-0014 | EA | Removal And Replacement Of 4-1/2" Sink Drain Without Stopper | 18.61 |
| 22 01 40 81-0015 | EA | Removal And Replacement Of 1-1/2" Sink Drain With Stopper | 17.68 |
| 22 01 40 81-0016 | EA | Removal And Replacement Of 1" Sink Rubber Stopper | 9.29 |
| 22 01 40 81-0017 | EA | Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8" | 27.29 |
| 22 01 40 81-0018 | EA | Removal And Replacement Of Sink Trap, Adjustable, 1-1/2" | 46.32 |
| 22 01 40 81-0019 | EA | Removal And Replacement Of Lavatory Pop-Up Rod | 34.00 |
| 22 01 40 81-0020 | EA | Removal And Replacement Of Lavatory Pop-up Drain Stopper | 33.31 |
| 22 01 40 81-0021 | EA | Removal And Replacement Of Faucet Handle | 37.91 |
| 22 01 40 81-0022 | EA | Removal And Replacement Of Faucet O-Ring | 27.76 |
| 22 01 40 81-0023 | EA | Removal And Replacement Of 1-1/2" Faucet Hole Cover | 21.07 |
| 22 01 40 81-0024 | EA | Removal And Replacement Of Toilet Ballcock | 38.72 |
| 22 01 40 81-0025 | EA | Removal And Replacement Of Toilet Bowl Ring, Flat Wax<br>Note: Excludes removal of toilet. | 7.40 |
| 22 01 40 81-0026 | EA | Removal And Replacement Of Toilet Tank | 153.50 |
| 22 01 40 81-0027 | EA | Removal And Replacement Of 10" Toilet Bowl | 193.07 |
| 22 01 40 81-0028 | EA | Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl | 207.48 |
| 22 01 40 81-0029 | EA | Removal And Replacement Of 12" Toilet Bowl | 221.39 |
| 22 01 40 81-0030 | EA | Removal And Replacement Of 18", Elongated, Toilet Bowl | 197.92 |
| 22 01 40 81-0031 | EA | Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers | 24.00 |
| 22 01 40 81-0032 | EA | Removal And Replacement Of Toilet Flapper With Chain | 17.76 |
| 22 01 40 81-0033 | EA | Removal And Replacement Of Toilet Flush Tank Lever | 19.14 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 01 40 81-0034 | EA | Removal And Replacement Of Elongated Toilet Seat With Lid | 100.83 | |
| 22 01 40 81-0035 | EA | Removal And Replacement Of Elongated Toilet Seat Without Lid | 111.90 | |
| 22 01 40 81-0036 | EA | Removal And Replacement Of Handicap Toilet Seat, Complete With Rails | 148.16 | |
| 22 01 40 81-0037 | EA | Removal And Replacement Of Diverter Tub Spout | 65.16 | |
| 22 01 40 81-0038 | EA | Removal And Replacement Of Tub Spout | 45.13 | |
| 22 01 40 81-0039 | EA | Removal And Replacement Of 2" Tub Stopper | 10.88 | |
| 22 01 40 81-0040 | EA | Removal And Replacement Of Tub Waste/Overflow | 74.93 | |
| 22 01 40 81-0041 | EA | Removal And Replacement Of Tub Stem Bonnet Assembly | 38.56 | |
| 22 01 40 81-0042 | EA | Removal And Replacement Of Faucet Bonnet | 42.49 | |
| 22 01 40 81-0043 | EA | Removal And Replacement Of Faucet Diverter Stem | 26.67 | |
| 22 01 40 81-0044 | EA | Removal And Replacement Of Faucet Diverter Stem And Bonnet | 35.38 | |
| 22 01 40 81-0045 | EA | Removal And Replacement Of Faucet Spout | 40.13 | |
| 22 01 40 81-0046 | EA | Removal And Replacement Of Faucet Stem | 29.52 | |
| 22 01 40 81-0047 | EA | Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard | 233.10 | |
| 22 01 40 81-0048 | EA | Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve | 294.46 | |
| 22 01 40 81-0049 | EA | Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve | 176.68 | |

# 22 05 Common Work Results for Plumbing *(22)*

## 22 05 13 Common Motor Requirements for Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

## 22 05 16 Expansion Fittings and Loops for Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

## 22 05 17 Sleeves and Sleeve Seals for Plumbing Piping *(22 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

## 22 05 19 Meters and Gages for Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

## 22 05 23 General-Duty Valves for Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for additional valves.

### 22 05 23 00-0001 Gate Valves *(22 05 23)*

### 22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

| | | | | |
|---|---|---|---|---|
| 22 05 23 00-0003 | EA | 1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve | 97.73 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *6.36* | |
| | | *For 200 Lb. Rating, Add* | *9.55* | |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 22 05 23 00-0004 | EA | 3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve | 99.51 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *6.36* | |
| | | *For 200 Lb. Rating, Add* | *9.55* | |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 22 05 23 00-0005 | EA | 1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve | 101.77 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *6.40* | |
| | | *For 200 Lb. Rating, Add* | *9.60* | |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 22 05 23 00-0006 | EA | 3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve | 119.68 | 12.88 |
| | | *For 150 Lb. Rating, Add* | *6.88* | |
| | | *For 200 Lb. Rating, Add* | *10.32* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 22 05 23 00-0007 | EA | 1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve | 145.88 | 14.63 |
| | | *For 150 Lb. Rating, Add* | *8.43* | |
| | | *For 200 Lb. Rating, Add* | *12.64* | |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 22 05 23 00-0008 | EA | 1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve | 215.63 | 15.57 |
| | | *For 150 Lb. Rating, Add* | *13.76* | |
| | | *For 200 Lb. Rating, Add* | *20.64* | |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 22 05 23 00-0009 | EA | 1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve | 239.58 | 18.02 |
| | | *For 150 Lb. Rating, Add* | *14.95* | |
| | | *For 200 Lb. Rating, Add* | *22.43* | |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 22 05 23 00-0010 | EA | 2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve | 287.58 | 21.30 |
| | | *For 150 Lb. Rating, Add* | *18.12* | |
| | | *For 200 Lb. Rating, Add* | *27.18* | |
| | | *For Work In Restricted Working Space, Add* | *31.92* | |
| 22 05 23 00-0011 | EA | 2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve | 669.23 | 28.78 |
| | | *For 150 Lb. Rating, Add* | *52.55* | |
| | | *For 200 Lb. Rating, Add* | *78.83* | |
| | | *For Work In Restricted Working Space, Add* | *43.12* | |
| | | *For Chain Operated Type, Add* | *236.48* | |
| 22 05 23 00-0012 | EA | 3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve | 785.95 | 33.41 |
| | | *For 150 Lb. Rating, Add* | *62.01* | |
| | | *For 200 Lb. Rating, Add* | *93.02* | |
| | | *For Work In Restricted Working Space, Add* | *49.75* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 05 23 00-0013 | | Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves *(22 05 23 00-0001)* | | |
| | | Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF) | | |
| 22 05 23 00-0014 | EA | 1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve | 118.93 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *8.48* | |
| | | *For 200 Lb. Rating, Add* | *12.73* | |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 22 05 23 00-0015 | EA | 3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve | 120.53 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *8.47* | |
| | | *For 200 Lb. Rating, Add* | *12.70* | |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 22 05 23 00-0016 | EA | 1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve | 140.95 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *10.32* | |
| | | *For 200 Lb. Rating, Add* | *15.48* | |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 22 05 23 00-0017 | EA | 3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve | 158.87 | 12.88 |
| | | *For 150 Lb. Rating, Add* | *10.80* | |
| | | *For 200 Lb. Rating, Add* | *16.20* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 22 05 23 00-0018 | EA | 1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve | 190.59 | 14.63 |
| | | *For 150 Lb. Rating, Add* | *12.90* | |
| | | *For 200 Lb. Rating, Add* | *19.35* | |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 22 05 23 00-0019 | EA | 1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve | 276.78 | 15.57 |
| | | *For 150 Lb. Rating, Add* | *19.87* | |
| | | *For 200 Lb. Rating, Add* | *29.81* | |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 22 05 23 00-0020 | EA | 1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve | 316.50 | 18.02 |
| | | *For 150 Lb. Rating, Add* | *22.65* | |
| | | *For 200 Lb. Rating, Add* | *33.97* | |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 22 05 23 00-0021 | EA | 2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve | 406.43 | 21.30 |
| | | *For 150 Lb. Rating, Add* | *30.00* | |
| | | *For 200 Lb. Rating, Add* | *45.00* | |
| | | *For Work In Restricted Working Space, Add* | *31.92* | |
| 22 05 23 00-0022 | | 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves *(22 05 23 00-0001)* | | |
| | | Note: 200 psi cold working pressure. | | |
| 22 05 23 00-0023 | EA | 1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve | 137.29 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.90* | |
| 22 05 23 00-0024 | EA | 3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve | 154.57 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *9.00* | |
| 22 05 23 00-0025 | EA | 1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve | 203.62 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 22 05 23 00-0026 | EA | 1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve | 278.87 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *11.85* | |
| 22 05 23 00-0027 | EA | 1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve | 323.53 | 18.02 |
| | | *For Work In Restricted Working Space, Add* | *13.17* | |
| 22 05 23 00-0028 | EA | 2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve | 446.34 | 21.30 |
| | | *For Work In Restricted Working Space, Add* | *15.80* | |
| 22 05 23 00-0029 | | Ball Valves *(22 05 23)* | | |
| 22 05 23 00-0030 | | Crimped Bronze, Ball Valves *(22 05 23 00-0029)* | | |
| 22 05 23 00-0031 | | Crimped Bronze, 250 PSI, Ball Valves *(22 05 23 00-0030)* | | |
| | | Note: Nibco® | | |
| 22 05 23 00-0032 | EA | 1/2" Crimped Bronze, 250 PSI, Ball Valve | 93.35 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.90* | |
| 22 05 23 00-0033 | EA | 3/4" Crimped Bronze, 250 PSI, Ball Valve | 121.31 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *9.00* | |
| 22 05 23 00-0034 | EA | 1" Crimped Bronze, 250 PSI, Ball Valve | 156.05 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 22 05 23 00-0035 | EA | 1-1/4" Crimped Bronze, 250 PSI, Ball Valve | 254.50 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *11.85* | |
| 22 05 23 00-0036 | EA | 1-1/2" Crimped Bronze, 250 PSI, Ball Valve | 337.45 | 18.02 |
| | | *For Work In Restricted Working Space, Add* | *13.17* | |
| 22 05 23 00-0037 | EA | 2" Crimped Bronze, 250 PSI, Ball Valve | 510.34 | 21.30 |
| | | *For Work In Restricted Working Space, Add* | *15.80* | |
| 22 05 23 00-0038 | | Crimped Bronze, 200 PSI, Full Port Ball Valves *(22 05 23 00-0030)* | | |
| 22 05 23 00-0039 | EA | 1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve | 55.57 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.90* | |
| 22 05 23 00-0040 | EA | 3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve | 71.07 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *9.00* | |
| 22 05 23 00-0041 | EA | 1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve | 86.41 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 22 05 23 00-0042 | EA | 1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve | 121.68 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *11.85* | |
| 22 05 23 00-0043 | EA | 1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve | 157.66 | 18.02 |
| | | *For Work In Restricted Working Space, Add* | *13.17* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 05 23 00-0044 | EA | 2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve | 234.38 | 21.30 |
| | | *For Work In Restricted Working Space, Add* | *15.80* | |

### 22 05 23 00-0045 Crimped Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 05 23 00-0046 | EA | 1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve | 64.26 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.90* | |
| 22 05 23 00-0047 | EA | 3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve | 77.39 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *9.00* | |
| 22 05 23 00-0048 | EA | 1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve | 96.52 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 22 05 23 00-0049 | EA | 1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve | 153.27 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *11.85* | |
| 22 05 23 00-0050 | EA | 1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve | 225.60 | 18.02 |
| | | *For Work In Restricted Working Space, Add* | *13.17* | |
| 22 05 23 00-0051 | EA | 2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve | 313.38 | 21.30 |
| | | *For Work In Restricted Working Space, Add* | *15.80* | |

### 22 05 23 00-0052 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 05 23 00-0053 | EA | 1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve | 61.89 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.90* | |
| 22 05 23 00-0054 | EA | 3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve | 75.18 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *9.00* | |
| 22 05 23 00-0055 | EA | 1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve | 91.46 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |

### 22 05 23 00-0056 Check Valves *(22 05 23)*

### 22 05 23 00-0057 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves *(22 05 23 00-0056)*

Note: Nibco®

| | | | | |
|---|---|---|---|---|
| 22 05 23 00-0058 | EA | 1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve | 181.20 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.90* | |
| 22 05 23 00-0059 | EA | 3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve | 231.09 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *9.00* | |
| 22 05 23 00-0060 | EA | 1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve | 320.15 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 22 05 23 00-0061 | EA | 1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve | 427.82 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *11.85* | |
| 22 05 23 00-0062 | EA | 1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve | 510.80 | 18.02 |
| | | *For Work In Restricted Working Space, Add* | *13.17* | |
| 22 05 23 00-0063 | EA | 2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve | 732.24 | 21.30 |
| | | *For Work In Restricted Working Space, Add* | *15.80* | |

### 22 05 23 00-0064 Crimped Bronze, 250 PSI, In-Line, Check Valves *(22 05 23 00-0056)*

| | | | | |
|---|---|---|---|---|
| 22 05 23 00-0065 | EA | 1/2" Crimped Bronze, 200 PSI, In-Line Check Valve | 48.90 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.90* | |
| 22 05 23 00-0066 | EA | 3/4" Crimped Bronze, 200 PSI, In-Line Check Valve | 58.86 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *9.00* | |
| 22 05 23 00-0067 | EA | 1" Crimped Bronze, 200 PSI, In-Line Check Valve | 69.12 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 22 05 23 00-0068 | EA | 1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve | 87.62 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *11.85* | |
| 22 05 23 00-0069 | EA | 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve | 112.20 | 18.02 |
| | | *For Work In Restricted Working Space, Add* | *13.17* | |
| 22 05 23 00-0070 | EA | 2" Crimped Bronze, 200 PSI, In-Line Check Valve | 176.98 | 21.30 |
| | | *For Work In Restricted Working Space, Add* | *15.80* | |

### 22 05 23 00-0071 Butterfly Valves *(22 05 23)*

### 22 05 23 00-0072 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve *(22 05 23 00-0071)*

| | | | | |
|---|---|---|---|---|
| 22 05 23 00-0073 | EA | 2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve | 1,370.01 | 31.25 |
| | | *For Work In Restricted Working Space, Add* | *18.44* | |
| 22 05 23 00-0074 | EA | 3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve | 1,482.38 | 36.29 |
| | | *For Work In Restricted Working Space, Add* | *21.95* | |
| 22 05 23 00-0075 | EA | 4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve | 1,852.49 | 40.97 |
| | | *For Work In Restricted Working Space, Add* | *28.97* | |

### 22 05 23 00-0076 Regulators, Clay Valve *(22 05 23)*

| | | | |
|---|---|---|---|
| 22 05 23 00-0077 | EA | 4" Regulator - Clay Valve | 4,018.04 |
| 22 05 23 00-0078 | EA | 8" Regulator - Clay Valve | 5,466.67 |
| 22 05 23 00-0079 | EA | 10" Regulator - Clay Valve | 7,446.81 |
| 22 05 23 00-0080 | EA | 12" Regulator - Clay Valve | 9,023.02 |
| 22 05 23 00-0081 | EA | 18" Regulator - Clay Valve | 15,915.22 |
| 22 05 23 00-0082 | EA | 24" Regulator - Clay Valve | 25,748.61 |

## 22 05 29 Hangers and Supports for Plumbing Piping and Equipment *(22 05)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

See CSI section 23 05 29 00-0000 for hangers and supports.

## 22 05 33 Heat Tracing for Plumbing Piping *(22 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

## 22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment *(22 05)*

### 22 05 48 13 Vibration Controls for Plumbing Piping and Equipment *(22 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

## 22 05 53 Identification for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

## 22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*

| | | | | |
|---|---|---|---|---|
| 22 05 76 00-0003 | EA | 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover | 761.49 | 62.27 |
| | | *For Vandal Proof, Add* | *19.50* | |
| | | *For Galvanized Ferrule, Add* | *45.00* | |
| | | *For Carpet Marker, Add* | *16.00* | |
| | | *For Carpet Flange, Add* | *58.50* | |
| | | *For Wide Flange, Add* | *97.00* | |
| | | *For Satin Bronze Top, Deduct* | *-24.00* | |
| 22 05 76 00-0004 | EA | 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover | 819.51 | 78.08 |
| | | *For Vandal Proof, Add* | *19.50* | |
| | | *For Galvanized Ferrule, Add* | *45.00* | |
| | | *For Carpet Marker, Add* | *16.00* | |
| | | *For Carpet Flange, Add* | *58.50* | |
| | | *For Wide Flange, Add* | *97.00* | |
| | | *For Satin Bronze Top, Deduct* | *-24.00* | |
| 22 05 76 00-0005 | EA | 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover | 1,024.23 | 94.35 |
| | | *For Vandal Proof, Add* | *19.50* | |
| | | *For Galvanized Ferrule, Add* | *45.00* | |
| | | *For Carpet Marker, Add* | *16.00* | |
| | | *For Carpet Flange, Add* | *58.50* | |
| | | *For Wide Flange, Add* | *97.00* | |
| | | *For Satin Bronze Top, Deduct* | *-24.00* | |
| 22 05 76 00-0006 | EA | 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover | 1,479.35 | 105.58 |
| | | *For Vandal Proof, Add* | *19.50* | |
| | | *For Galvanized Ferrule, Add* | *45.00* | |
| | | *For Carpet Marker, Add* | *16.00* | |
| | | *For Carpet Flange, Add* | *58.50* | |
| | | *For Wide Flange, Add* | *97.00* | |
| | | *For Satin Bronze Top, Deduct* | *-24.00* | |
| 22 05 76 00-0007 | EA | 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover | 1,825.81 | 114.36 |
| | | *For Vandal Proof, Add* | *19.50* | |
| | | *For Galvanized Ferrule, Add* | *45.00* | |
| | | *For Carpet Marker, Add* | *16.00* | |
| | | *For Carpet Flange, Add* | *58.50* | |
| | | *For Wide Flange, Add* | *97.00* | |
| | | *For Satin Bronze Top, Deduct* | *-24.00* | |

22 05 76 00-0008 Cast Iron Heavy-Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*

| | | | | |
|---|---|---|---|---|
| 22 05 76 00-0009 | EA | 2" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover | 880.57 | 62.27 |
| | | *For Vandal Proof, Add* | *19.50* | |
| | | *For Galvanized Ferrule, Add* | *45.00* | |
| | | *For Carpet Marker, Add* | *16.00* | |
| | | *For Carpet Flange, Add* | *58.50* | |
| | | *For Wide Flange, Add* | *97.00* | |
| | | *For Satin Bronze Top, Deduct* | *-24.00* | |
| 22 05 76 00-0010 | EA | 3" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover | 940.48 | 78.08 |
| | | *For Vandal Proof, Add* | *19.50* | |
| | | *For Galvanized Ferrule, Add* | *45.00* | |
| | | *For Carpet Marker, Add* | *16.00* | |
| | | *For Carpet Flange, Add* | *58.50* | |
| | | *For Wide Flange, Add* | *97.00* | |
| | | *For Satin Bronze Top, Deduct* | *-24.00* | |
| 22 05 76 00-0011 | EA | 4" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover | 1,145.20 | 94.35 |
| | | *For Vandal Proof, Add* | *19.50* | |
| | | *For Galvanized Ferrule, Add* | *45.00* | |
| | | *For Carpet Marker, Add* | *16.00* | |
| | | *For Carpet Flange, Add* | *58.50* | |
| | | *For Wide Flange, Add* | *97.00* | |
| | | *For Satin Bronze Top, Deduct* | *-24.00* | |
| 22 05 76 00-0012 | EA | 5" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover | 1,600.32 | 105.58 |
| | | *For Vandal Proof, Add* | *19.50* | |
| | | *For Galvanized Ferrule, Add* | *45.00* | |
| | | *For Carpet Marker, Add* | *16.00* | |
| | | *For Carpet Flange, Add* | *58.50* | |
| | | *For Wide Flange, Add* | *97.00* | |
| | | *For Satin Bronze Top, Deduct* | *-24.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 05 76 00-0013 | EA | 6" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover | 1,946.78 | 114.36 |
| | | *For Vandal Proof, Add* | *19.50* | |
| | | *For Galvanized Ferrule, Add* | *45.00* | |
| | | *For Carpet Marker, Add* | *16.00* | |
| | | *For Carpet Flange, Add* | *58.50* | |
| | | *For Wide Flange, Add* | *97.00* | |
| | | *For Satin Bronze Top, Deduct* | *-24.00* | |

### 22 05 76 00-0014 Wall Cover For Cleanout *(22 05 76)*

Note: Cover and screw only.

### 22 05 76 00-0015 Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

| | | | | |
|---|---|---|---|---|
| 22 05 76 00-0016 | EA | 4-1/4" Diameter Wall Cover For Cleanout, Screwed | 88.01 | 19.55 |
| | | *For Stainless Steel, Add* | *9.00* | |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| 22 05 76 00-0017 | EA | 5-1/2" Diameter Wall Cover For Cleanout, Screwed | 95.83 | 23.41 |
| | | *For Stainless Steel, Add* | *9.00* | |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| 22 05 76 00-0018 | EA | 7" Diameter Wall Cover For Cleanout, Screwed | 121.03 | 26.34 |
| | | *For Stainless Steel, Add* | *9.00* | |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| 22 05 76 00-0019 | EA | 9-1/4" Diameter Wall Cover For Cleanout, Screwed | 199.09 | 29.27 |
| | | *For Stainless Steel, Add* | *9.00* | |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| 22 05 76 00-0020 | EA | 11-1/4" Diameter Wall Cover For Cleanout, Screwed | 295.21 | 32.19 |
| | | *For Stainless Steel, Add* | *9.00* | |
| | | *For Vandal Proof Screws, Add* | *19.50* | |

### 22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

| | | | | |
|---|---|---|---|---|
| 22 05 76 00-0022 | EA | 7" x 7" Bronze Wall Or Floor Access Cover | 587.87 | 19.55 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Nickel Bronze, Add* | *22.50* | |
| 22 05 76 00-0023 | EA | 9" x 9" Bronze Wall Or Floor Access Cover | 849.01 | 20.49 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Nickel Bronze, Add* | *22.50* | |
| 22 05 76 00-0024 | EA | 10" x 10" Bronze Wall Or Floor Access Cover | 907.25 | 21.66 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Nickel Bronze, Add* | *22.50* | |
| 22 05 76 00-0025 | EA | 14" x 14" Bronze Wall Or Floor Access Cover | 1,014.74 | 24.59 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Nickel Bronze, Add* | *22.50* | |

### 22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

| | | | | |
|---|---|---|---|---|
| 22 05 76 00-0027 | EA | 6" x 6" Bronze Secured Wall Access Panel | 598.36 | 19.55 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Nickel Bronze, Add* | *22.50* | |
| 22 05 76 00-0028 | EA | 8" x 8" Bronze Secured Wall Access Panel | 864.46 | 20.49 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Nickel Bronze, Add* | *22.50* | |
| 22 05 76 00-0029 | EA | 10" x 10" Bronze Secured Wall Access Panel | 923.77 | 21.66 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Nickel Bronze, Add* | *22.50* | |
| 22 05 76 00-0030 | EA | 12" x 12" Bronze Secured Wall Access Panel | 1,033.21 | 24.59 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Nickel Bronze, Add* | *22.50* | |

### 22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*

Note: Cover and screw only.

| | | | | |
|---|---|---|---|---|
| 22 05 76 00-0032 | EA | 6" x 6" Bronze Secured Hinged Access Panel, Scoriated | 580.24 | 19.55 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Nickel Bronze, Add* | *22.50* | |
| 22 05 76 00-0033 | EA | 8" x 8" Bronze Secured Hinged Access Panel, Scoriated | 804.90 | 20.49 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Nickel Bronze, Add* | *22.50* | |
| 22 05 76 00-0034 | EA | 10" x 10" Bronze Secured Hinged Access Panel, Scoriated | 1,143.89 | 21.66 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Nickel Bronze, Add* | *22.50* | |
| 22 05 76 00-0035 | EA | 12" x 12" Bronze Secured Hinged Access Panel, Scoriated | 1,385.39 | 24.59 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Nickel Bronze, Add* | *22.50* | |

### 22 05 76 00-0036 Cast Iron Cleanout Tee *(22 05 76)*

### 22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 05 76 00-0038 | EA | 2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover | 547.39 | 62.27 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *45.00* | |
| 22 05 76 00-0039 | EA | 3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover | 622.96 | 77.96 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *45.00* | |
| 22 05 76 00-0040 | EA | 4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover | 816.09 | 94.35 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *45.00* | |
| 22 05 76 00-0041 | EA | 6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover | 1,990.25 | 114.36 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *45.00* | |

### 22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

| | | | | |
|---|---|---|---|---|
| 22 05 76 00-0043 | EA | 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover | 970.26 | 62.27 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *45.00* | |
| 22 05 76 00-0044 | EA | 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover | 1,045.83 | 77.96 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *45.00* | |
| 22 05 76 00-0045 | EA | 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover | 1,210.90 | 94.35 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *45.00* | |
| 22 05 76 00-0046 | EA | 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover | 2,561.43 | 114.36 |
| | | *For Vandal Proof Screws, Add* | *19.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *45.00* | |

### 22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*

| | | | | |
|---|---|---|---|---|
| 22 05 76 00-0048 | EA | 2" Cleanout Tee With Cast Bronze Screw Plug | 448.85 | 50.91 |
| 22 05 76 00-0049 | EA | 3" Cleanout Tee With Cast Bronze Screw Plug | 502.34 | 55.61 |
| 22 05 76 00-0050 | EA | 4" Cleanout Tee With Cast Bronze Screw Plug | 669.85 | 73.16 |
| 22 05 76 00-0051 | EA | 5" Cleanout Tee With Cast Bronze Screw Plug | 1,015.70 | 86.62 |
| 22 05 76 00-0052 | EA | 6" Cleanout Tee With Cast Bronze Screw Plug | 1,749.36 | 102.42 |

### 22 05 76 00-0053 Removable Cleanout Plug *(22 05 76)*

### 22 05 76 00-0054 Threaded Bronze Plugs *(22 05 76 00-0053)*

| | | | | |
|---|---|---|---|---|
| 22 05 76 00-0055 | EA | 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug | 83.29 | 14.63 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0056 | EA | 2-1/2" Threaded Bronze Plug | 100.34 | 15.92 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0057 | EA | 3" Threaded Bronze Plug | 174.89 | 17.56 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0058 | EA | 3-1/2" Threaded Bronze Plug | 195.46 | 20.49 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0059 | EA | 4" Threaded Bronze Plug | 220.93 | 23.41 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0060 | EA | 5" Threaded Bronze Plug | 312.57 | 26.34 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0061 | EA | 6" Threaded Bronze Plug | 463.03 | 29.27 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0062 | EA | 8" Threaded Bronze Plug | 787.42 | 32.19 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0063 | EA | 10" Threaded Bronze Plug | 1,136.40 | 35.12 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |

### 22 05 76 00-0064 Threaded Brass Plugs *(22 05 76 00-0053)*

| | | | | |
|---|---|---|---|---|
| 22 05 76 00-0065 | EA | 1-1/2" Threaded Brass Plug, Raised Head | 32.73 | 14.63 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0066 | EA | 2" Threaded Brass Plug, Raised Head | 33.34 | 14.63 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0067 | EA | 2-1/2" Threaded Brass Plug, Raised Head | 36.36 | 15.92 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0068 | EA | 3" Threaded Brass Plug, Raised Head | 41.19 | 17.56 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0069 | EA | 3-1/2" Threaded Brass Plug, Raised Head | 48.67 | 20.49 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0070 | EA | 4" Threaded Brass Plug, Raised Head | 57.26 | 23.41 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0071 | EA | 4-1/2" Threaded Brass Plug, Raised Head | 61.53 | 24.66 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0072 | EA | 5" Threaded Brass Plug, Raised Head | 66.18 | 26.34 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0073 | EA | 6" Threaded Brass Plug, Raised Head | 86.66 | 29.26 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0074 | EA | 1-1/2" Threaded Brass Plug, Countersunk Head | 32.26 | 14.63 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0075 | EA | 2" Threaded Brass Plug, Countersunk Head | 32.93 | 14.63 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 05 76 00-0076 | EA | 2-1/2" Threaded Brass Plug, Countersunk Head | 37.67 | 15.92 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0077 | EA | 3" Threaded Brass Plug, Countersunk Head | 41.38 | 17.56 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0078 | EA | 3-1/2" Threaded Brass Plug, Countersunk Head | 48.11 | 20.49 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0079 | EA | 4" Threaded Brass Plug, Countersunk Head | 56.37 | 23.41 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0080 | EA | 5" Threaded Brass Plug, Countersunk Head | 65.70 | 26.34 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |
| 22 05 76 00-0081 | EA | 6" Threaded Brass Plug, Countersunk Head | 78.81 | 29.27 |
| | | *For Plug Tapped For Center Screw, Add* | *9.50* | |

# 22 07 Plumbing Insulation *(22)*

## 22 07 16 Plumbing Equipment Insulation *(22 07)*

### 22 07 16 00-0001 Lavatory Insulation *(22 07 16)*

| | | | | |
|---|---|---|---|---|
| 22 07 16 00-0002 | EA | Neoprene Insulation Kit For Under Lavatories | 377.45 | 25.83 |

## 22 07 19 Plumbing Piping Insulation *(22 07)*

### 22 07 19 00-0001 Insulation Protective Jacketing *(22 07 19)*

Note: Jacketing only and to be added to insulation prices when required.

### 22 07 19 00-0002 Aluminum Insulation Protective Jacketing With Bands *(22 07 19 00-0001)*

### 22 07 19 00-0003 Aluminum Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0004 | SF | 0.006" Aluminum Insulation Jacket With Bands | 17.44 | 7.35 |
| 22 07 19 00-0005 | SF | 0.010" Aluminum Insulation Jacket With Bands | 17.79 | 7.35 |
| 22 07 19 00-0006 | SF | 0.016" Aluminum Insulation Jacket With Bands | 18.13 | 7.35 |
| 22 07 19 00-0007 | SF | 0.020" Aluminum Insulation Jacket With Bands | 18.44 | 7.35 |
| 22 07 19 00-0008 | SF | 0.024" Aluminum Insulation Jacket With Bands | 18.72 | 7.35 |

### 22 07 19 00-0009 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0010 | LF | 1/2" ID, 0.016" Aluminum Insulation Jacketing | 9.12 | 2.08 |
| | | *For Stucco Embossed, Add* | *0.01* | |
| | | *For Corrugated, Add* | *0.02* | |
| 22 07 19 00-0011 | LF | 3/4" ID, 0.016" Aluminum Insulation Jacketing | 9.54 | 2.13 |
| | | *For Stucco Embossed, Add* | *0.01* | |
| | | *For Corrugated, Add* | *0.03* | |
| 22 07 19 00-0012 | LF | 1" ID, 0.016" Aluminum Insulation Jacketing | 9.96 | 2.19 |
| | | *For Stucco Embossed, Add* | *0.01* | |
| | | *For Corrugated, Add* | *0.03* | |
| 22 07 19 00-0013 | LF | 1-1/4" ID, 0.016" Aluminum Insulation Jacketing | 10.41 | 2.24 |
| | | *For Stucco Embossed, Add* | *0.01* | |
| | | *For Corrugated, Add* | *0.04* | |
| 22 07 19 00-0014 | LF | 1-1/2" ID, 0.016" Aluminum Insulation Jacketing | 10.77 | 2.28 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.04* | |
| 22 07 19 00-0015 | LF | 1-3/4" ID, 0.016" Aluminum Insulation Jacketing | 11.12 | 2.31 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.05* | |
| 22 07 19 00-0016 | LF | 2" ID, 0.016" Aluminum Insulation Jacketing | 11.54 | 2.36 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.05* | |
| 22 07 19 00-0017 | LF | 2-1/4" ID, 0.016" Aluminum Insulation Jacketing | 11.98 | 2.41 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.06* | |
| 22 07 19 00-0018 | LF | 2-1/2" ID, 0.016" Aluminum Insulation Jacketing | 12.44 | 2.46 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.07* | |
| 22 07 19 00-0019 | LF | 2-3/4" ID, 0.016" Aluminum Insulation Jacketing | 12.82 | 2.50 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.07* | |
| 22 07 19 00-0020 | LF | 3" ID, 0.016" Aluminum Insulation Jacketing | 13.30 | 2.55 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.08* | |
| 22 07 19 00-0021 | LF | 3-1/4" ID, 0.016" Aluminum Insulation Jacketing | 13.76 | 2.61 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.08* | |
| 22 07 19 00-0022 | LF | 3-1/2" ID, 0.016" Aluminum Insulation Jacketing | 14.22 | 2.67 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.09* | |
| 22 07 19 00-0023 | LF | 3-3/4" ID, 0.016" Aluminum Insulation Jacketing | 14.65 | 2.72 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.09* | |
| 22 07 19 00-0024 | LF | 4" ID, 0.016" Aluminum Insulation Jacketing | 15.14 | 2.78 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.10* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0025 | LF | 4-1/4" ID, 0.016" Aluminum Insulation Jacketing | 15.65 | 2.85 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.11* | |
| 22 07 19 00-0026 | LF | 4-1/2" ID, 0.016" Aluminum Insulation Jacketing | 16.19 | 2.92 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.11* | |
| 22 07 19 00-0027 | LF | 4-3/4" ID, 0.016" Aluminum Insulation Jacketing | 16.64 | 2.98 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.12* | |
| 22 07 19 00-0028 | LF | 5" ID, 0.016" Aluminum Insulation Jacketing | 17.19 | 3.06 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.12* | |
| 22 07 19 00-0029 | LF | 5-1/4" ID, 0.016" Aluminum Insulation Jacketing | 17.75 | 3.14 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.13* | |
| 22 07 19 00-0030 | LF | 5-1/2" ID, 0.016" Aluminum Insulation Jacketing | 18.24 | 3.21 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.14* | |
| 22 07 19 00-0031 | LF | 5-3/4" ID, 0.016" Aluminum Insulation Jacketing | 18.87 | 3.30 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.14* | |
| 22 07 19 00-0032 | LF | 6" ID, 0.016" Aluminum Insulation Jacketing | 19.48 | 3.40 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.15* | |
| 22 07 19 00-0033 | LF | 6-1/4" ID, 0.016" Aluminum Insulation Jacketing | 19.92 | 3.45 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.15* | |
| 22 07 19 00-0034 | LF | 6-1/2" ID, 0.016" Aluminum Insulation Jacketing | 20.36 | 3.50 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.16* | |
| 22 07 19 00-0035 | LF | 7" ID, 0.016" Aluminum Insulation Jacketing | 21.12 | 3.58 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.17* | |
| 22 07 19 00-0036 | LF | 7-1/4" ID, 0.016" Aluminum Insulation Jacketing | 21.68 | 3.68 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.17* | |
| 22 07 19 00-0037 | LF | 7-1/2" ID, 0.016" Aluminum Insulation Jacketing | 22.15 | 3.74 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.18* | |
| 22 07 19 00-0038 | LF | 8" ID, 0.016" Aluminum Insulation Jacketing | 22.86 | 3.80 |
| | | *For Stucco Embossed, Add* | *0.08* | |
| | | *For Corrugated, Add* | *0.19* | |
| 22 07 19 00-0039 | LF | 8-1/2" ID, 0.016" Aluminum Insulation Jacketing | 23.57 | 3.86 |
| | | *For Stucco Embossed, Add* | *0.08* | |
| | | *For Corrugated, Add* | *0.20* | |
| 22 07 19 00-0040 | LF | 9" ID, 0.016" Aluminum Insulation Jacketing | 24.42 | 3.96 |
| | | *For Stucco Embossed, Add* | *0.09* | |
| | | *For Corrugated, Add* | *0.21* | |
| 22 07 19 00-0041 | LF | 9-1/2" ID, 0.016" Aluminum Insulation Jacketing | 25.18 | 4.03 |
| | | *For Stucco Embossed, Add* | *0.09* | |
| | | *For Corrugated, Add* | *0.23* | |
| 22 07 19 00-0042 | LF | 10" ID, 0.016" Aluminum Insulation Jacketing | 25.91 | 4.10 |
| | | *For Stucco Embossed, Add* | *0.10* | |
| | | *For Corrugated, Add* | *0.24* | |
| 22 07 19 00-0043 | LF | 10-1/2" ID, 0.016" Aluminum Insulation Jacketing | 26.68 | 4.17 |
| | | *For Stucco Embossed, Add* | *0.10* | |
| | | *For Corrugated, Add* | *0.25* | |
| 22 07 19 00-0044 | LF | 11" ID, 0.0106 Aluminum Insulation Jacketing | 27.59 | 4.29 |
| | | *For Stucco Embossed, Add* | *0.10* | |
| | | *For Corrugated, Add* | *0.26* | |
| 22 07 19 00-0045 | LF | 11-1/2" ID, 0.016" Aluminum Insulation Jacketing | 28.41 | 4.37 |
| | | *For Stucco Embossed, Add* | *0.11* | |
| | | *For Corrugated, Add* | *0.27* | |
| 22 07 19 00-0046 | LF | 12" ID, 0.016" Aluminum Insulation Jacketing | 29.20 | 4.46 |
| | | *For Stucco Embossed, Add* | *0.11* | |
| | | *For Corrugated, Add* | *0.28* | |
| 22 07 19 00-0047 | LF | 12-1/2" ID, 0.016" Aluminum Insulation Jacketing | 30.20 | 4.59 |
| | | *For Stucco Embossed, Add* | *0.12* | |
| | | *For Corrugated, Add* | *0.30* | |
| 22 07 19 00-0048 | LF | 13" ID, 0.016" Aluminum Insulation Jacketing | 30.83 | 4.64 |
| | | *For Stucco Embossed, Add* | *0.12* | |
| | | *For Corrugated, Add* | *0.31* | |
| 22 07 19 00-0049 | LF | 14" ID, 0.016" Aluminum Insulation Jacketing | 31.96 | 4.68 |
| | | *For Stucco Embossed, Add* | *0.13* | |
| | | *For Corrugated, Add* | *0.33* | |
| 22 07 19 00-0050 | LF | 15" ID, 0.016" Aluminum Insulation Jacketing | 33.26 | 4.78 |
| | | *For Stucco Embossed, Add* | *0.14* | |
| | | *For Corrugated, Add* | *0.35* | |
| 22 07 19 00-0051 | LF | 16" ID, 0.016" Aluminum Insulation Jacketing | 34.40 | 4.83 |
| | | *For Stucco Embossed, Add* | *0.15* | |
| | | *For Corrugated, Add* | *0.38* | |
| 22 07 19 00-0052 | LF | 17" ID, 0.016" Aluminum Insulation Jacketing | 35.73 | 4.93 |
| | | *For Stucco Embossed, Add* | *0.16* | |
| | | *For Corrugated, Add* | *0.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0053 | LF | 18" ID, 0.016" Aluminum Insulation Jacketing | 36.56 | 4.99 |
| | | *For Stucco Embossed, Add* | *0.17* | |
| | | *For Corrugated, Add* | *0.42* | |
| 22 07 19 00-0054 | LF | 19" ID, 0.016" Aluminum Insulation Jacketing | 38.23 | 5.11 |
| | | *For Stucco Embossed, Add* | *0.18* | |
| | | *For Corrugated, Add* | *0.45* | |
| 22 07 19 00-0055 | LF | 20" ID, 0.016" Aluminum Insulation Jacketing | 39.39 | 5.16 |
| | | *For Stucco Embossed, Add* | *0.19* | |
| | | *For Corrugated, Add* | *0.47* | |
| 22 07 19 00-0056 | LF | 21" ID, 0.016" Aluminum Insulation Jacketing | 40.78 | 5.28 |
| | | *For Stucco Embossed, Add* | *0.20* | |
| | | *For Corrugated, Add* | *0.49* | |
| 22 07 19 00-0057 | LF | 22" ID, 0.016" Aluminum Insulation Jacketing | 41.94 | 5.34 |
| | | *For Stucco Embossed, Add* | *0.21* | |
| | | *For Corrugated, Add* | *0.51* | |
| 22 07 19 00-0058 | LF | 23" ID, 0.016" Aluminum Insulation Jacketing | 43.38 | 5.47 |
| | | *For Stucco Embossed, Add* | *0.22* | |
| | | *For Corrugated, Add* | *0.54* | |
| 22 07 19 00-0059 | LF | 24" ID, 0.016" Aluminum Insulation Jacketing | 44.55 | 5.53 |
| | | *For Stucco Embossed, Add* | *0.22* | |
| | | *For Corrugated, Add* | *0.56* | |

## 22 07 19 00-0060 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0061 | LF | 1/2" ID, 0.020" Aluminum Insulation Jacketing | 10.15 | 2.30 |
| | | *For Stucco Embossed, Add* | *0.01* | |
| | | *For Corrugated, Add* | *0.02* | |
| 22 07 19 00-0062 | LF | 3/4" ID, 0.020" Aluminum Insulation Jacketing | 10.65 | 2.35 |
| | | *For Stucco Embossed, Add* | *0.01* | |
| | | *For Corrugated, Add* | *0.03* | |
| 22 07 19 00-0063 | LF | 1" ID, 0.020" Aluminum Insulation Jacketing | 11.17 | 2.41 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.04* | |
| 22 07 19 00-0064 | LF | 1-1/4" ID, 0.020" Aluminum Insulation Jacketing | 11.70 | 2.47 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.05* | |
| 22 07 19 00-0065 | LF | 1-1/2" ID, 0.020" Aluminum Insulation Jacketing | 12.13 | 2.50 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.05* | |
| 22 07 19 00-0066 | LF | 1-3/4" ID, 0.020" Aluminum Insulation Jacketing | 12.57 | 2.54 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.06* | |
| 22 07 19 00-0067 | LF | 2" ID, 0.020" Aluminum Insulation Jacketing | 13.07 | 2.59 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.07* | |
| 22 07 19 00-0068 | LF | 2-1/4" ID, 0.020" Aluminum Insulation Jacketing | 13.57 | 2.65 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.08* | |
| 22 07 19 00-0069 | LF | 2-1/2" ID, 0.020" Aluminum Insulation Jacketing | 14.12 | 2.70 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.08* | |
| 22 07 19 00-0070 | LF | 2-3/4" ID, 0.020" Aluminum Insulation Jacketing | 14.59 | 2.75 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.09* | |
| 22 07 19 00-0071 | LF | 3" ID, 0.020" Aluminum Insulation Jacketing | 15.17 | 2.81 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.10* | |
| 22 07 19 00-0072 | LF | 3-1/4" ID, 0.020" Aluminum Insulation Jacketing | 15.70 | 2.87 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.11* | |
| 22 07 19 00-0073 | LF | 3-1/2" ID, 0.020" Aluminum Insulation Jacketing | 16.25 | 2.94 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.11* | |
| 22 07 19 00-0074 | LF | 3-3/4" ID, 0.020" Aluminum Insulation Jacketing | 16.75 | 2.99 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.12* | |
| 22 07 19 00-0075 | LF | 4" ID, 0.020" Aluminum Insulation Jacketing | 17.33 | 3.06 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.13* | |
| 22 07 19 00-0076 | LF | 4-1/4" ID, 0.020" Aluminum Insulation Jacketing | 17.93 | 3.14 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.13* | |
| 22 07 19 00-0077 | LF | 4-1/2" ID, 0.020" Aluminum Insulation Jacketing | 18.57 | 3.21 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.14* | |
| 22 07 19 00-0078 | LF | 4-3/4" ID, 0.020" Aluminum Insulation Jacketing | 19.11 | 3.28 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.15* | |
| 22 07 19 00-0079 | LF | 5" ID, 0.020" Aluminum Insulation Jacketing | 19.75 | 3.36 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.16* | |
| 22 07 19 00-0080 | LF | 5-1/4" ID, 0.020" Aluminum Insulation Jacketing | 20.41 | 3.46 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.16* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0081 | LF | 5-1/2" ID, 0.020" Aluminum Insulation Jacketing | 20.99 | 3.53 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.17* | |
| 22 07 19 00-0082 | LF | 5-3/4" ID, 0.020" Aluminum Insulation Jacketing | 21.72 | 3.64 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.18* | |
| 22 07 19 00-0083 | LF | 6" ID, 0.020" Aluminum Insulation Jacketing | 22.43 | 3.75 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.19* | |
| 22 07 19 00-0084 | LF | 6-1/4" ID, 0.020" Aluminum Insulation Jacketing | 22.94 | 3.80 |
| | | *For Stucco Embossed, Add* | *0.08* | |
| | | *For Corrugated, Add* | *0.19* | |
| 22 07 19 00-0085 | LF | 6-1/2" ID, 0.020" Aluminum Insulation Jacketing | 23.47 | 3.86 |
| | | *For Stucco Embossed, Add* | *0.08* | |
| | | *For Corrugated, Add* | *0.20* | |
| 22 07 19 00-0086 | LF | 7" ID, 0.020" Aluminum Insulation Jacketing | 24.37 | 3.95 |
| | | *For Stucco Embossed, Add* | *0.09* | |
| | | *For Corrugated, Add* | *0.21* | |
| 22 07 19 00-0087 | LF | 7-1/4" ID, 0.020" Aluminum Insulation Jacketing | 25.04 | 4.04 |
| | | *For Stucco Embossed, Add* | *0.09* | |
| | | *For Corrugated, Add* | *0.22* | |
| 22 07 19 00-0088 | LF | 7-1/2" ID, 0.020" Aluminum Insulation Jacketing | 25.59 | 4.11 |
| | | *For Stucco Embossed, Add* | *0.09* | |
| | | *For Corrugated, Add* | *0.23* | |
| 22 07 19 00-0089 | LF | 8" ID, 0.020" Aluminum Insulation Jacketing | 26.46 | 4.18 |
| | | *For Stucco Embossed, Add* | *0.10* | |
| | | *For Corrugated, Add* | *0.24* | |
| 22 07 19 00-0090 | LF | 8-1/2" ID, 0.020" Aluminum Insulation Jacketing | 27.31 | 4.24 |
| | | *For Stucco Embossed, Add* | *0.10* | |
| | | *For Corrugated, Add* | *0.26* | |
| 22 07 19 00-0091 | LF | 9" ID, 0.020" Aluminum Insulation Jacketing | 28.31 | 4.35 |
| | | *For Stucco Embossed, Add* | *0.11* | |
| | | *For Corrugated, Add* | *0.27* | |
| 22 07 19 00-0092 | LF | 9-1/2" ID, 0.020" Aluminum Insulation Jacketing | 29.24 | 4.43 |
| | | *For Stucco Embossed, Add* | *0.12* | |
| | | *For Corrugated, Add* | *0.29* | |
| 22 07 19 00-0093 | LF | 10" ID, 0.020" Aluminum Insulation Jacketing | 30.13 | 4.51 |
| | | *For Stucco Embossed, Add* | *0.12* | |
| | | *For Corrugated, Add* | *0.30* | |
| 22 07 19 00-0094 | LF | 10-1/2" ID, 0.020" Aluminum Insulation Jacketing | 31.04 | 4.59 |
| | | *For Stucco Embossed, Add* | *0.13* | |
| | | *For Corrugated, Add* | *0.32* | |
| 22 07 19 00-0095 | LF | 11" ID, 0.0106 Aluminum Insulation Jacketing | 32.13 | 4.72 |
| | | *For Stucco Embossed, Add* | *0.13* | |
| | | *For Corrugated, Add* | *0.33* | |
| 22 07 19 00-0096 | LF | 11-1/2" ID, 0.020" Aluminum Insulation Jacketing | 33.10 | 4.81 |
| | | *For Stucco Embossed, Add* | *0.14* | |
| | | *For Corrugated, Add* | *0.35* | |
| 22 07 19 00-0097 | LF | 12" ID, 0.020" Aluminum Insulation Jacketing | 34.06 | 4.90 |
| | | *For Stucco Embossed, Add* | *0.14* | |
| | | *For Corrugated, Add* | *0.36* | |
| 22 07 19 00-0098 | LF | 12-1/2" ID, 0.020" Aluminum Insulation Jacketing | 35.22 | 5.05 |
| | | *For Stucco Embossed, Add* | *0.15* | |
| | | *For Corrugated, Add* | *0.38* | |
| 22 07 19 00-0099 | LF | 13" ID, 0.020" Aluminum Insulation Jacketing | 36.00 | 5.11 |
| | | *For Stucco Embossed, Add* | *0.16* | |
| | | *For Corrugated, Add* | *0.39* | |
| 22 07 19 00-0100 | LF | 14" ID, 0.020" Aluminum Insulation Jacketing | 37.40 | 5.16 |
| | | *For Stucco Embossed, Add* | *0.17* | |
| | | *For Corrugated, Add* | *0.42* | |
| 22 07 19 00-0101 | LF | 15" ID, 0.020" Aluminum Insulation Jacketing | 38.99 | 5.26 |
| | | *For Stucco Embossed, Add* | *0.18* | |
| | | *For Corrugated, Add* | *0.45* | |
| 22 07 19 00-0102 | LF | 16" ID, 0.020" Aluminum Insulation Jacketing | 40.41 | 5.32 |
| | | *For Stucco Embossed, Add* | *0.19* | |
| | | *For Corrugated, Add* | *0.48* | |
| 22 07 19 00-0103 | LF | 17" ID, 0.020" Aluminum Insulation Jacketing | 42.01 | 5.43 |
| | | *For Stucco Embossed, Add* | *0.20* | |
| | | *For Corrugated, Add* | *0.51* | |
| 22 07 19 00-0104 | LF | 18" ID, 0.020" Aluminum Insulation Jacketing | 43.05 | 5.49 |
| | | *For Stucco Embossed, Add* | *0.21* | |
| | | *For Corrugated, Add* | *0.53* | |
| 22 07 19 00-0105 | LF | 19" ID, 0.020" Aluminum Insulation Jacketing | 45.08 | 5.61 |
| | | *For Stucco Embossed, Add* | *0.23* | |
| | | *For Corrugated, Add* | *0.57* | |
| 22 07 19 00-0106 | LF | 20" ID, 0.020" Aluminum Insulation Jacketing | 46.53 | 5.68 |
| | | *For Stucco Embossed, Add* | *0.24* | |
| | | *For Corrugated, Add* | *0.60* | |
| 22 07 19 00-0107 | LF | 21" ID, 0.020" Aluminum Insulation Jacketing | 48.21 | 5.80 |
| | | *For Stucco Embossed, Add* | *0.25* | |
| | | *For Corrugated, Add* | *0.62* | |
| 22 07 19 00-0108 | LF | 22" ID, 0.020" Aluminum Insulation Jacketing | 49.63 | 5.87 |
| | | *For Stucco Embossed, Add* | *0.26* | |
| | | *For Corrugated, Add* | *0.65* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0109 | LF | 23" ID, 0.020" Aluminum Insulation Jacketing | 51.38 | 6.01 |
| | | *For Stucco Embossed, Add* | *0.27* | |
| | | *For Corrugated, Add* | *0.68* | |
| 22 07 19 00-0110 | LF | 24" ID, 0.020" Aluminum Insulation Jacketing | 52.83 | 6.08 |
| | | *For Stucco Embossed, Add* | *0.28* | |
| | | *For Corrugated, Add* | *0.71* | |

## 22 07 19 00-0111 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0112 | LF | 1/2" ID, 0.024" Aluminum Insulation Jacketing | 11.19 | 2.51 |
| | | *For Stucco Embossed, Add* | *0.01* | |
| | | *For Corrugated, Add* | *0.03* | |
| 22 07 19 00-0113 | LF | 3/4" ID, 0.024" Aluminum Insulation Jacketing | 11.76 | 2.56 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.04* | |
| 22 07 19 00-0114 | LF | 1" ID, 0.024" Aluminum Insulation Jacketing | 12.35 | 2.63 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.05* | |
| 22 07 19 00-0115 | LF | 1-1/4" ID, 0.024" Aluminum Insulation Jacketing | 12.95 | 2.69 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.06* | |
| 22 07 19 00-0116 | LF | 1-1/2" ID, 0.024" Aluminum Insulation Jacketing | 13.46 | 2.73 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.06* | |
| 22 07 19 00-0117 | LF | 1-3/4" ID, 0.024" Aluminum Insulation Jacketing | 13.98 | 2.77 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.07* | |
| 22 07 19 00-0118 | LF | 2" ID, 0.024" Aluminum Insulation Jacketing | 14.54 | 2.83 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.08* | |
| 22 07 19 00-0119 | LF | 2-1/4" ID, 0.024" Aluminum Insulation Jacketing | 15.13 | 2.88 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.09* | |
| 22 07 19 00-0120 | LF | 2-1/2" ID, 0.024" Aluminum Insulation Jacketing | 15.76 | 2.95 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.10* | |
| 22 07 19 00-0121 | LF | 2-3/4" ID, 0.024" Aluminum Insulation Jacketing | 16.29 | 2.99 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.11* | |
| 22 07 19 00-0122 | LF | 3" ID, 0.024" Aluminum Insulation Jacketing | 16.95 | 3.06 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.12* | |
| 22 07 19 00-0123 | LF | 3-1/4" ID, 0.024" Aluminum Insulation Jacketing | 17.59 | 3.13 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.13* | |
| 22 07 19 00-0124 | LF | 3-1/2" ID, 0.024" Aluminum Insulation Jacketing | 18.21 | 3.20 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.14* | |
| 22 07 19 00-0125 | LF | 3-3/4" ID, 0.024" Aluminum Insulation Jacketing | 18.79 | 3.26 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.14* | |
| 22 07 19 00-0126 | LF | 4" ID, 0.024" Aluminum Insulation Jacketing | 19.44 | 3.34 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.15* | |
| 22 07 19 00-0127 | LF | 4-1/4" ID, 0.024" Aluminum Insulation Jacketing | 20.12 | 3.42 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.16* | |
| 22 07 19 00-0128 | LF | 4-1/2" ID, 0.024" Aluminum Insulation Jacketing | 20.87 | 3.50 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.17* | |
| 22 07 19 00-0129 | LF | 4-3/4" ID, 0.024" Aluminum Insulation Jacketing | 21.48 | 3.57 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.18* | |
| 22 07 19 00-0130 | LF | 5" ID, 0.024" Aluminum Insulation Jacketing | 22.21 | 3.68 |
| | | *For Stucco Embossed, Add* | *0.08* | |
| | | *For Corrugated, Add* | *0.19* | |
| 22 07 19 00-0131 | LF | 5-1/4" ID, 0.024" Aluminum Insulation Jacketing | 22.95 | 3.78 |
| | | *For Stucco Embossed, Add* | *0.08* | |
| | | *For Corrugated, Add* | *0.20* | |
| 22 07 19 00-0132 | LF | 5-1/2" ID, 0.024" Aluminum Insulation Jacketing | 23.62 | 3.86 |
| | | *For Stucco Embossed, Add* | *0.08* | |
| | | *For Corrugated, Add* | *0.21* | |
| 22 07 19 00-0133 | LF | 5-3/4" ID, 0.024" Aluminum Insulation Jacketing | 24.46 | 3.97 |
| | | *For Stucco Embossed, Add* | *0.09* | |
| | | *For Corrugated, Add* | *0.22* | |
| 22 07 19 00-0134 | LF | 6" ID, 0.024" Aluminum Insulation Jacketing | 25.27 | 4.08 |
| | | *For Stucco Embossed, Add* | *0.09* | |
| | | *For Corrugated, Add* | *0.22* | |
| 22 07 19 00-0135 | LF | 6-1/4" ID, 0.024" Aluminum Insulation Jacketing | 25.86 | 4.14 |
| | | *For Stucco Embossed, Add* | *0.09* | |
| | | *For Corrugated, Add* | *0.23* | |
| 22 07 19 00-0136 | LF | 6-1/2" ID, 0.024" Aluminum Insulation Jacketing | 26.47 | 4.21 |
| | | *For Stucco Embossed, Add* | *0.10* | |
| | | *For Corrugated, Add* | *0.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0137 | LF | 7" ID, 0.024" Aluminum Insulation Jacketing | 27.50 | 4.30 |
| | | *For Stucco Embossed, Add* | *0.10* | |
| | | *For Corrugated, Add* | *0.26* | |
| 22 07 19 00-0138 | LF | 7-1/4" ID, 0.024" Aluminum Insulation Jacketing | 28.26 | 4.41 |
| | | *For Stucco Embossed, Add* | *0.11* | |
| | | *For Corrugated, Add* | *0.27* | |
| 22 07 19 00-0139 | LF | 7-1/2" ID, 0.024" Aluminum Insulation Jacketing | 28.89 | 4.48 |
| | | *For Stucco Embossed, Add* | *0.11* | |
| | | *For Corrugated, Add* | *0.27* | |
| 22 07 19 00-0140 | LF | 8" ID, 0.024" Aluminum Insulation Jacketing | 29.90 | 4.56 |
| | | *For Stucco Embossed, Add* | *0.12* | |
| | | *For Corrugated, Add* | *0.29* | |
| 22 07 19 00-0141 | LF | 8-1/2" ID, 0.024" Aluminum Insulation Jacketing | 30.88 | 4.63 |
| | | *For Stucco Embossed, Add* | *0.12* | |
| | | *For Corrugated, Add* | *0.31* | |
| 22 07 19 00-0142 | LF | 9" ID, 0.024" Aluminum Insulation Jacketing | 32.05 | 4.75 |
| | | *For Stucco Embossed, Add* | *0.13* | |
| | | *For Corrugated, Add* | *0.33* | |
| 22 07 19 00-0143 | LF | 9-1/2" ID, 0.024" Aluminum Insulation Jacketing | 33.12 | 4.83 |
| | | *For Stucco Embossed, Add* | *0.14* | |
| | | *For Corrugated, Add* | *0.34* | |
| 22 07 19 00-0144 | LF | 10" ID, 0.024" Aluminum Insulation Jacketing | 34.16 | 4.92 |
| | | *For Stucco Embossed, Add* | *0.14* | |
| | | *For Corrugated, Add* | *0.36* | |
| 22 07 19 00-0145 | LF | 10-1/2" ID, 0.024" Aluminum Insulation Jacketing | 35.21 | 5.00 |
| | | *For Stucco Embossed, Add* | *0.15* | |
| | | *For Corrugated, Add* | *0.38* | |
| 22 07 19 00-0146 | LF | 11" ID, 0.0106 Aluminum Insulation Jacketing | 36.45 | 5.15 |
| | | *For Stucco Embossed, Add* | *0.16* | |
| | | *For Corrugated, Add* | *0.40* | |
| 22 07 19 00-0147 | LF | 11-1/2" ID, 0.024" Aluminum Insulation Jacketing | 37.57 | 5.25 |
| | | *For Stucco Embossed, Add* | *0.17* | |
| | | *For Corrugated, Add* | *0.41* | |
| 22 07 19 00-0148 | LF | 12" ID, 0.024" Aluminum Insulation Jacketing | 38.69 | 5.35 |
| | | *For Stucco Embossed, Add* | *0.17* | |
| | | *For Corrugated, Add* | *0.43* | |
| 22 07 19 00-0149 | LF | 12-1/2" ID, 0.024" Aluminum Insulation Jacketing | 40.02 | 5.51 |
| | | *For Stucco Embossed, Add* | *0.18* | |
| | | *For Corrugated, Add* | *0.45* | |
| 22 07 19 00-0150 | LF | 13" ID, 0.024" Aluminum Insulation Jacketing | 40.93 | 5.57 |
| | | *For Stucco Embossed, Add* | *0.19* | |
| | | *For Corrugated, Add* | *0.47* | |
| 22 07 19 00-0151 | LF | 14" ID, 0.024" Aluminum Insulation Jacketing | 42.58 | 5.62 |
| | | *For Stucco Embossed, Add* | *0.20* | |
| | | *For Corrugated, Add* | *0.50* | |
| 22 07 19 00-0152 | LF | 15" ID, 0.024" Aluminum Insulation Jacketing | 44.44 | 5.74 |
| | | *For Stucco Embossed, Add* | *0.21* | |
| | | *For Corrugated, Add* | *0.54* | |
| 22 07 19 00-0153 | LF | 16" ID, 0.024" Aluminum Insulation Jacketing | 46.10 | 5.80 |
| | | *For Stucco Embossed, Add* | *0.23* | |
| | | *For Corrugated, Add* | *0.57* | |
| 22 07 19 00-0154 | LF | 17" ID, 0.024" Aluminum Insulation Jacketing | 47.98 | 5.92 |
| | | *For Stucco Embossed, Add* | *0.24* | |
| | | *For Corrugated, Add* | *0.61* | |
| 22 07 19 00-0155 | LF | 18" ID, 0.024" Aluminum Insulation Jacketing | 49.20 | 5.99 |
| | | *For Stucco Embossed, Add* | *0.25* | |
| | | *For Corrugated, Add* | *0.63* | |
| 22 07 19 00-0156 | LF | 19" ID, 0.024" Aluminum Insulation Jacketing | 51.58 | 6.12 |
| | | *For Stucco Embossed, Add* | *0.27* | |
| | | *For Corrugated, Add* | *0.68* | |
| 22 07 19 00-0157 | LF | 20" ID, 0.024" Aluminum Insulation Jacketing | 53.28 | 6.19 |
| | | *For Stucco Embossed, Add* | *0.29* | |
| | | *For Corrugated, Add* | *0.71* | |
| 22 07 19 00-0158 | LF | 21" ID, 0.024" Aluminum Insulation Jacketing | 55.23 | 6.33 |
| | | *For Stucco Embossed, Add* | *0.30* | |
| | | *For Corrugated, Add* | *0.75* | |
| 22 07 19 00-0159 | LF | 22" ID, 0.024" Aluminum Insulation Jacketing | 56.92 | 6.40 |
| | | *For Stucco Embossed, Add* | *0.31* | |
| | | *For Corrugated, Add* | *0.78* | |
| 22 07 19 00-0160 | LF | 23" ID, 0.024" Aluminum Insulation Jacketing | 58.94 | 6.56 |
| | | *For Stucco Embossed, Add* | *0.33* | |
| | | *For Corrugated, Add* | *0.82* | |
| 22 07 19 00-0161 | LF | 24" ID, 0.024" Aluminum Insulation Jacketing | 60.65 | 6.64 |
| | | *For Stucco Embossed, Add* | *0.34* | |
| | | *For Corrugated, Add* | *0.85* | |

### 22 07 19 00-0162 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0163 | LF | 1/2" ID, 0.032" Aluminum Insulation Jacketing | 12.68 | 2.78 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.04* | |
| 22 07 19 00-0164 | LF | 3/4" ID, 0.032" Aluminum Insulation Jacketing | 13.39 | 2.84 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.05* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0165 | LF | 1" ID, 0.032" Aluminum Insulation Jacketing | 14.12 | 2.91 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.06* | |
| 22 07 19 00-0166 | LF | 1-1/4" ID, 0.032" Aluminum Insulation Jacketing | 14.87 | 2.98 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.07* | |
| 22 07 19 00-0167 | LF | 1-1/2" ID, 0.032" Aluminum Insulation Jacketing | 15.51 | 3.02 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.09* | |
| 22 07 19 00-0168 | LF | 1-3/4" ID, 0.032" Aluminum Insulation Jacketing | 16.16 | 3.07 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.10* | |
| 22 07 19 00-0169 | LF | 2" ID, 0.032" Aluminum Insulation Jacketing | 16.88 | 3.13 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.11* | |
| 22 07 19 00-0170 | LF | 2-1/4" ID, 0.032" Aluminum Insulation Jacketing | 17.60 | 3.20 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.12* | |
| 22 07 19 00-0171 | LF | 2-1/2" ID, 0.032" Aluminum Insulation Jacketing | 18.40 | 3.26 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.13* | |
| 22 07 19 00-0172 | LF | 2-3/4" ID, 0.032" Aluminum Insulation Jacketing | 19.07 | 3.32 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.15* | |
| 22 07 19 00-0173 | LF | 3" ID, 0.032" Aluminum Insulation Jacketing | 19.89 | 3.39 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.16* | |
| 22 07 19 00-0174 | LF | 3-1/4" ID, 0.032" Aluminum Insulation Jacketing | 20.67 | 3.47 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.17* | |
| 22 07 19 00-0175 | LF | 3-1/2" ID, 0.032" Aluminum Insulation Jacketing | 21.45 | 3.55 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.18* | |
| 22 07 19 00-0176 | LF | 3-3/4" ID, 0.032" Aluminum Insulation Jacketing | 22.16 | 3.61 |
| | | *For Stucco Embossed, Add* | *0.08* | |
| | | *For Corrugated, Add* | *0.19* | |
| 22 07 19 00-0177 | LF | 4" ID, 0.032" Aluminum Insulation Jacketing | 22.98 | 3.71 |
| | | *For Stucco Embossed, Add* | *0.08* | |
| | | *For Corrugated, Add* | *0.20* | |
| 22 07 19 00-0178 | LF | 4-1/4" ID, 0.032" Aluminum Insulation Jacketing | 23.81 | 3.80 |
| | | *For Stucco Embossed, Add* | *0.09* | |
| | | *For Corrugated, Add* | *0.22* | |
| 22 07 19 00-0179 | LF | 4-1/2" ID, 0.032" Aluminum Insulation Jacketing | 24.72 | 3.89 |
| | | *For Stucco Embossed, Add* | *0.09* | |
| | | *For Corrugated, Add* | *0.23* | |
| 22 07 19 00-0180 | LF | 4-3/4" ID, 0.032" Aluminum Insulation Jacketing | 25.49 | 3.97 |
| | | *For Stucco Embossed, Add* | *0.10* | |
| | | *For Corrugated, Add* | *0.24* | |
| 22 07 19 00-0181 | LF | 5" ID, 0.032" Aluminum Insulation Jacketing | 26.37 | 4.07 |
| | | *For Stucco Embossed, Add* | *0.10* | |
| | | *For Corrugated, Add* | *0.25* | |
| 22 07 19 00-0182 | LF | 5-1/4" ID, 0.032" Aluminum Insulation Jacketing | 27.29 | 4.18 |
| | | *For Stucco Embossed, Add* | *0.11* | |
| | | *For Corrugated, Add* | *0.26* | |
| 22 07 19 00-0183 | LF | 5-1/2" ID, 0.032" Aluminum Insulation Jacketing | 28.10 | 4.27 |
| | | *For Stucco Embossed, Add* | *0.11* | |
| | | *For Corrugated, Add* | *0.28* | |
| 22 07 19 00-0184 | LF | 5-3/4" ID, 0.032" Aluminum Insulation Jacketing | 29.11 | 4.39 |
| | | *For Stucco Embossed, Add* | *0.12* | |
| | | *For Corrugated, Add* | *0.29* | |
| 22 07 19 00-0185 | LF | 6" ID, 0.032" Aluminum Insulation Jacketing | 30.10 | 4.52 |
| | | *For Stucco Embossed, Add* | *0.12* | |
| | | *For Corrugated, Add* | *0.30* | |
| 22 07 19 00-0186 | LF | 6-1/4" ID, 0.032" Aluminum Insulation Jacketing | 30.84 | 4.59 |
| | | *For Stucco Embossed, Add* | *0.12* | |
| | | *For Corrugated, Add* | *0.31* | |
| 22 07 19 00-0187 | LF | 6-1/2" ID, 0.032" Aluminum Insulation Jacketing | 31.58 | 4.66 |
| | | *For Stucco Embossed, Add* | *0.13* | |
| | | *For Corrugated, Add* | *0.32* | |
| 22 07 19 00-0188 | LF | 7" ID, 0.032" Aluminum Insulation Jacketing | 32.88 | 4.77 |
| | | *For Stucco Embossed, Add* | *0.14* | |
| | | *For Corrugated, Add* | *0.35* | |
| 22 07 19 00-0189 | LF | 7-1/4" ID, 0.032" Aluminum Insulation Jacketing | 33.81 | 4.88 |
| | | *For Stucco Embossed, Add* | *0.14* | |
| | | *For Corrugated, Add* | *0.36* | |
| 22 07 19 00-0190 | LF | 7-1/2" ID, 0.032" Aluminum Insulation Jacketing | 34.59 | 4.96 |
| | | *For Stucco Embossed, Add* | *0.15* | |
| | | *For Corrugated, Add* | *0.37* | |
| 22 07 19 00-0191 | LF | 8" ID, 0.032" Aluminum Insulation Jacketing | 35.86 | 5.05 |
| | | *For Stucco Embossed, Add* | *0.16* | |
| | | *For Corrugated, Add* | *0.39* | |
| 22 07 19 00-0192 | LF | 8-1/2" ID, 0.032" Aluminum Insulation Jacketing | 37.11 | 5.14 |
| | | *For Stucco Embossed, Add* | *0.17* | |
| | | *For Corrugated, Add* | *0.41* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0193 | LF | 9" ID, 0.032" Aluminum Insulation Jacketing | 38.58 | 5.27 |
| | | *For Stucco Embossed, Add* | *0.18* | |
| | | *For Corrugated, Add* | *0.44* | |
| 22 07 19 00-0194 | LF | 9-1/2" ID, 0.032" Aluminum Insulation Jacketing | 39.93 | 5.36 |
| | | *For Stucco Embossed, Add* | *0.19* | |
| | | *For Corrugated, Add* | *0.46* | |
| 22 07 19 00-0195 | LF | 10" ID, 0.032" Aluminum Insulation Jacketing | 41.24 | 5.45 |
| | | *For Stucco Embossed, Add* | *0.19* | |
| | | *For Corrugated, Add* | *0.49* | |
| 22 07 19 00-0196 | LF | 10-1/2" ID, 0.032" Aluminum Insulation Jacketing | 42.56 | 5.55 |
| | | *For Stucco Embossed, Add* | *0.20* | |
| | | *For Corrugated, Add* | *0.51* | |
| 22 07 19 00-0197 | LF | 11" ID, 0.0106 Aluminum Insulation Jacketing | 44.11 | 5.71 |
| | | *For Stucco Embossed, Add* | *0.21* | |
| | | *For Corrugated, Add* | *0.53* | |
| 22 07 19 00-0198 | LF | 11-1/2" ID, 0.032" Aluminum Insulation Jacketing | 45.53 | 5.82 |
| | | *For Stucco Embossed, Add* | *0.22* | |
| | | *For Corrugated, Add* | *0.56* | |
| 22 07 19 00-0199 | LF | 12" ID, 0.032" Aluminum Insulation Jacketing | 46.91 | 5.93 |
| | | *For Stucco Embossed, Add* | *0.23* | |
| | | *For Corrugated, Add* | *0.58* | |
| 22 07 19 00-0200 | LF | 12-1/2" ID, 0.032" Aluminum Insulation Jacketing | 48.56 | 6.10 |
| | | *For Stucco Embossed, Add* | *0.24* | |
| | | *For Corrugated, Add* | *0.60* | |
| 22 07 19 00-0201 | LF | 13" ID, 0.032" Aluminum Insulation Jacketing | 49.72 | 6.17 |
| | | *For Stucco Embossed, Add* | *0.25* | |
| | | *For Corrugated, Add* | *0.63* | |
| 22 07 19 00-0202 | LF | 14" ID, 0.032" Aluminum Insulation Jacketing | 51.89 | 6.23 |
| | | *For Stucco Embossed, Add* | *0.27* | |
| | | *For Corrugated, Add* | *0.67* | |
| 22 07 19 00-0203 | LF | 15" ID, 0.032" Aluminum Insulation Jacketing | 54.27 | 6.36 |
| | | *For Stucco Embossed, Add* | *0.29* | |
| | | *For Corrugated, Add* | *0.72* | |
| 22 07 19 00-0204 | LF | 16" ID, 0.032" Aluminum Insulation Jacketing | 56.45 | 6.42 |
| | | *For Stucco Embossed, Add* | *0.31* | |
| | | *For Corrugated, Add* | *0.77* | |
| 22 07 19 00-0205 | LF | 17" ID, 0.032" Aluminum Insulation Jacketing | 58.85 | 6.57 |
| | | *For Stucco Embossed, Add* | *0.33* | |
| | | *For Corrugated, Add* | *0.81* | |
| 22 07 19 00-0206 | LF | 18" ID, 0.032" Aluminum Insulation Jacketing | 60.42 | 6.64 |
| | | *For Stucco Embossed, Add* | *0.34* | |
| | | *For Corrugated, Add* | *0.85* | |
| 22 07 19 00-0207 | LF | 19" ID, 0.032" Aluminum Insulation Jacketing | 63.50 | 6.79 |
| | | *For Stucco Embossed, Add* | *0.36* | |
| | | *For Corrugated, Add* | *0.91* | |
| 22 07 19 00-0208 | LF | 20" ID, 0.032" Aluminum Insulation Jacketing | 65.73 | 6.86 |
| | | *For Stucco Embossed, Add* | *0.38* | |
| | | *For Corrugated, Add* | *0.96* | |
| 22 07 19 00-0209 | LF | 21" ID, 0.032" Aluminum Insulation Jacketing | 68.20 | 7.02 |
| | | *For Stucco Embossed, Add* | *0.40* | |
| | | *For Corrugated, Add* | *1.00* | |
| 22 07 19 00-0210 | LF | 22" ID, 0.032" Aluminum Insulation Jacketing | 70.40 | 7.10 |
| | | *For Stucco Embossed, Add* | *0.42* | |
| | | *For Corrugated, Add* | *1.05* | |
| 22 07 19 00-0211 | LF | 23" ID, 0.032" Aluminum Insulation Jacketing | 72.98 | 7.27 |
| | | *For Stucco Embossed, Add* | *0.44* | |
| | | *For Corrugated, Add* | *1.10* | |
| 22 07 19 00-0212 | LF | 24" ID, 0.032" Aluminum Insulation Jacketing | 75.18 | 7.36 |
| | | *For Stucco Embossed, Add* | *0.46* | |
| | | *For Corrugated, Add* | *1.14* | |

### 22 07 19 00-0213 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0214 | LF | 1/2" ID, 0.040" Aluminum Insulation Jacketing | 14.74 | 3.19 |
| | | *For Stucco Embossed, Add* | *0.02* | |
| | | *For Corrugated, Add* | *0.05* | |
| 22 07 19 00-0215 | LF | 3/4" ID, 0.040" Aluminum Insulation Jacketing | 15.62 | 3.26 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.06* | |
| 22 07 19 00-0216 | LF | 1" ID, 0.040" Aluminum Insulation Jacketing | 16.51 | 3.34 |
| | | *For Stucco Embossed, Add* | *0.03* | |
| | | *For Corrugated, Add* | *0.08* | |
| 22 07 19 00-0217 | LF | 1-1/4" ID, 0.040" Aluminum Insulation Jacketing | 17.41 | 3.42 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.09* | |
| 22 07 19 00-0218 | LF | 1-1/2" ID, 0.040" Aluminum Insulation Jacketing | 18.20 | 3.47 |
| | | *For Stucco Embossed, Add* | *0.04* | |
| | | *For Corrugated, Add* | *0.11* | |
| 22 07 19 00-0219 | LF | 1-3/4" ID, 0.040" Aluminum Insulation Jacketing | 19.00 | 3.53 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.12* | |
| 22 07 19 00-0220 | LF | 2" ID, 0.040" Aluminum Insulation Jacketing | 19.87 | 3.60 |
| | | *For Stucco Embossed, Add* | *0.05* | |
| | | *For Corrugated, Add* | *0.14* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0221 | LF | 2-1/4" ID, 0.040" Aluminum Insulation Jacketing | 20.75 | 3.68 |
| | | *For Stucco Embossed, Add* | *0.06* | |
| | | *For Corrugated, Add* | *0.15* | |
| 22 07 19 00-0222 | LF | 2-1/2" ID, 0.040" Aluminum Insulation Jacketing | 21.72 | 3.76 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.17* | |
| 22 07 19 00-0223 | LF | 2-3/4" ID, 0.040" Aluminum Insulation Jacketing | 22.56 | 3.82 |
| | | *For Stucco Embossed, Add* | *0.07* | |
| | | *For Corrugated, Add* | *0.18* | |
| 22 07 19 00-0224 | LF | 3" ID, 0.040" Aluminum Insulation Jacketing | 23.54 | 3.91 |
| | | *For Stucco Embossed, Add* | *0.08* | |
| | | *For Corrugated, Add* | *0.20* | |
| 22 07 19 00-0225 | LF | 3-1/4" ID, 0.040" Aluminum Insulation Jacketing | 24.48 | 3.99 |
| | | *For Stucco Embossed, Add* | *0.09* | |
| | | *For Corrugated, Add* | *0.21* | |
| 22 07 19 00-0226 | LF | 3-1/2" ID, 0.040" Aluminum Insulation Jacketing | 25.43 | 4.09 |
| | | *For Stucco Embossed, Add* | *0.09* | |
| | | *For Corrugated, Add* | *0.23* | |
| 22 07 19 00-0227 | LF | 3-3/4" ID, 0.040" Aluminum Insulation Jacketing | 26.30 | 4.16 |
| | | *For Stucco Embossed, Add* | *0.10* | |
| | | *For Corrugated, Add* | *0.24* | |
| 22 07 19 00-0228 | LF | 4" ID, 0.040" Aluminum Insulation Jacketing | 27.29 | 4.26 |
| | | *For Stucco Embossed, Add* | *0.10* | |
| | | *For Corrugated, Add* | *0.26* | |
| 22 07 19 00-0229 | LF | 4-1/4" ID, 0.040" Aluminum Insulation Jacketing | 28.29 | 4.36 |
| | | *For Stucco Embossed, Add* | *0.11* | |
| | | *For Corrugated, Add* | *0.27* | |
| 22 07 19 00-0230 | LF | 4-1/2" ID, 0.040" Aluminum Insulation Jacketing | 29.39 | 4.47 |
| | | *For Stucco Embossed, Add* | *0.12* | |
| | | *For Corrugated, Add* | *0.29* | |
| 22 07 19 00-0231 | LF | 4-3/4" ID, 0.040" Aluminum Insulation Jacketing | 30.33 | 4.56 |
| | | *For Stucco Embossed, Add* | *0.12* | |
| | | *For Corrugated, Add* | *0.30* | |
| 22 07 19 00-0232 | LF | 5" ID, 0.040" Aluminum Insulation Jacketing | 31.39 | 4.68 |
| | | *For Stucco Embossed, Add* | *0.13* | |
| | | *For Corrugated, Add* | *0.32* | |
| 22 07 19 00-0233 | LF | 5-1/4" ID, 0.040" Aluminum Insulation Jacketing | 32.49 | 4.81 |
| | | *For Stucco Embossed, Add* | *0.13* | |
| | | *For Corrugated, Add* | *0.33* | |
| 22 07 19 00-0234 | LF | 5-1/2" ID, 0.040" Aluminum Insulation Jacketing | 33.48 | 4.91 |
| | | *For Stucco Embossed, Add* | *0.14* | |
| | | *For Corrugated, Add* | *0.35* | |
| 22 07 19 00-0235 | LF | 5-3/4" ID, 0.040" Aluminum Insulation Jacketing | 34.70 | 5.05 |
| | | *For Stucco Embossed, Add* | *0.14* | |
| | | *For Corrugated, Add* | *0.36* | |
| 22 07 19 00-0236 | LF | 6" ID, 0.040" Aluminum Insulation Jacketing | 35.88 | 5.21 |
| | | *For Stucco Embossed, Add* | *0.15* | |
| | | *For Corrugated, Add* | *0.38* | |
| 22 07 19 00-0237 | LF | 6-1/4" ID, 0.040" Aluminum Insulation Jacketing | 36.78 | 5.29 |
| | | *For Stucco Embossed, Add* | *0.16* | |
| | | *For Corrugated, Add* | *0.39* | |
| 22 07 19 00-0238 | LF | 6-1/2" ID, 0.040" Aluminum Insulation Jacketing | 37.68 | 5.37 |
| | | *For Stucco Embossed, Add* | *0.16* | |
| | | *For Corrugated, Add* | *0.41* | |
| 22 07 19 00-0239 | LF | 7" ID, 0.040" Aluminum Insulation Jacketing | 39.27 | 5.49 |
| | | *For Stucco Embossed, Add* | *0.17* | |
| | | *For Corrugated, Add* | *0.43* | |
| 22 07 19 00-0240 | LF | 7-1/4" ID, 0.040" Aluminum Insulation Jacketing | 40.38 | 5.62 |
| | | *For Stucco Embossed, Add* | *0.18* | |
| | | *For Corrugated, Add* | *0.45* | |
| 22 07 19 00-0241 | LF | 7-1/2" ID, 0.040" Aluminum Insulation Jacketing | 41.34 | 5.71 |
| | | *For Stucco Embossed, Add* | *0.18* | |
| | | *For Corrugated, Add* | *0.46* | |
| 22 07 19 00-0242 | LF | 8" ID, 0.040" Aluminum Insulation Jacketing | 42.89 | 5.81 |
| | | *For Stucco Embossed, Add* | *0.20* | |
| | | *For Corrugated, Add* | *0.49* | |
| 22 07 19 00-0243 | LF | 8-1/2" ID, 0.040" Aluminum Insulation Jacketing | 44.43 | 5.90 |
| | | *For Stucco Embossed, Add* | *0.21* | |
| | | *For Corrugated, Add* | *0.52* | |
| 22 07 19 00-0244 | LF | 9" ID, 0.040" Aluminum Insulation Jacketing | 46.21 | 6.05 |
| | | *For Stucco Embossed, Add* | *0.22* | |
| | | *For Corrugated, Add* | *0.55* | |
| 22 07 19 00-0245 | LF | 9-1/2" ID, 0.040" Aluminum Insulation Jacketing | 47.87 | 6.16 |
| | | *For Stucco Embossed, Add* | *0.23* | |
| | | *For Corrugated, Add* | *0.58* | |
| 22 07 19 00-0246 | LF | 10" ID, 0.040" Aluminum Insulation Jacketing | 49.47 | 6.27 |
| | | *For Stucco Embossed, Add* | *0.24* | |
| | | *For Corrugated, Add* | *0.61* | |
| 22 07 19 00-0247 | LF | 10-1/2" ID, 0.040" Aluminum Insulation Jacketing | 51.10 | 6.38 |
| | | *For Stucco Embossed, Add* | *0.26* | |
| | | *For Corrugated, Add* | *0.64* | |
| 22 07 19 00-0248 | LF | 11" ID, 0.0106 Aluminum Insulation Jacketing | 52.97 | 6.57 |
| | | *For Stucco Embossed, Add* | *0.27* | |
| | | *For Corrugated, Add* | *0.67* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0249 | LF | 11-1/2" ID, 0.040" Aluminum Insulation Jacketing | 54.71 | 6.69 |
| | | *For Stucco Embossed, Add* | *0.28* | |
| | | *For Corrugated, Add* | *0.70* | |
| 22 07 19 00-0250 | LF | 12" ID, 0.040" Aluminum Insulation Jacketing | 56.39 | 6.82 |
| | | *For Stucco Embossed, Add* | *0.29* | |
| | | *For Corrugated, Add* | *0.73* | |
| 22 07 19 00-0251 | LF | 12-1/2" ID, 0.040" Aluminum Insulation Jacketing | 58.37 | 7.03 |
| | | *For Stucco Embossed, Add* | *0.30* | |
| | | *For Corrugated, Add* | *0.76* | |
| 22 07 19 00-0252 | LF | 13" ID, 0.040" Aluminum Insulation Jacketing | 59.83 | 7.10 |
| | | *For Stucco Embossed, Add* | *0.31* | |
| | | *For Corrugated, Add* | *0.79* | |
| 22 07 19 00-0253 | LF | 14" ID, 0.040" Aluminum Insulation Jacketing | 62.51 | 7.17 |
| | | *For Stucco Embossed, Add* | *0.34* | |
| | | *For Corrugated, Add* | *0.85* | |
| 22 07 19 00-0254 | LF | 15" ID, 0.040" Aluminum Insulation Jacketing | 65.44 | 7.32 |
| | | *For Stucco Embossed, Add* | *0.36* | |
| | | *For Corrugated, Add* | *0.90* | |
| 22 07 19 00-0255 | LF | 16" ID, 0.040" Aluminum Insulation Jacketing | 68.14 | 7.39 |
| | | *For Stucco Embossed, Add* | *0.39* | |
| | | *For Corrugated, Add* | *0.96* | |
| 22 07 19 00-0256 | LF | 17" ID, 0.040" Aluminum Insulation Jacketing | 71.11 | 7.55 |
| | | *For Stucco Embossed, Add* | *0.41* | |
| | | *For Corrugated, Add* | *1.02* | |
| 22 07 19 00-0257 | LF | 18" ID, 0.040" Aluminum Insulation Jacketing | 73.04 | 7.63 |
| | | *For Stucco Embossed, Add* | *0.43* | |
| | | *For Corrugated, Add* | *1.06* | |
| 22 07 19 00-0258 | LF | 19" ID, 0.040" Aluminum Insulation Jacketing | 76.86 | 7.80 |
| | | *For Stucco Embossed, Add* | *0.46* | |
| | | *For Corrugated, Add* | *1.14* | |
| 22 07 19 00-0259 | LF | 20" ID, 0.040" Aluminum Insulation Jacketing | 79.61 | 7.89 |
| | | *For Stucco Embossed, Add* | *0.48* | |
| | | *For Corrugated, Add* | *1.20* | |
| 22 07 19 00-0260 | LF | 21" ID, 0.040" Aluminum Insulation Jacketing | 82.65 | 8.08 |
| | | *For Stucco Embossed, Add* | *0.50* | |
| | | *For Corrugated, Add* | *1.26* | |
| 22 07 19 00-0261 | LF | 22" ID, 0.040" Aluminum Insulation Jacketing | 85.37 | 8.17 |
| | | *For Stucco Embossed, Add* | *0.53* | |
| | | *For Corrugated, Add* | *1.32* | |
| 22 07 19 00-0262 | LF | 23" ID, 0.040" Aluminum Insulation Jacketing | 88.55 | 8.37 |
| | | *For Stucco Embossed, Add* | *0.55* | |
| | | *For Corrugated, Add* | *1.38* | |
| 22 07 19 00-0263 | LF | 24" ID, 0.040" Aluminum Insulation Jacketing | 91.27 | 8.46 |
| | | *For Stucco Embossed, Add* | *0.57* | |
| | | *For Corrugated, Add* | *1.44* | |

## 22 07 19 00-0264 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0265 | EA | 1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 24.66 | 3.28 |
| 22 07 19 00-0266 | EA | 1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 25.14 | 3.40 |
| 22 07 19 00-0267 | EA | 2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 28.66 | 3.53 |
| 22 07 19 00-0268 | EA | 2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 28.88 | 3.58 |
| 22 07 19 00-0269 | EA | 2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 29.10 | 3.65 |
| 22 07 19 00-0270 | EA | 2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 29.46 | 3.74 |
| 22 07 19 00-0271 | EA | 3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 31.06 | 3.83 |
| 22 07 19 00-0272 | EA | 3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 31.45 | 3.93 |
| 22 07 19 00-0273 | EA | 3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 34.59 | 3.99 |
| 22 07 19 00-0274 | EA | 3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 35.35 | 4.07 |
| 22 07 19 00-0275 | EA | 4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 36.69 | 4.17 |
| 22 07 19 00-0276 | EA | 4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 37.56 | 4.25 |
| 22 07 19 00-0277 | EA | 4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 37.88 | 4.33 |
| 22 07 19 00-0278 | EA | 4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 38.21 | 4.41 |
| 22 07 19 00-0279 | EA | 5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 41.17 | 4.50 |
| 22 07 19 00-0280 | EA | 5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 45.09 | 4.59 |
| 22 07 19 00-0281 | EA | 5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 52.22 | 4.73 |
| 22 07 19 00-0282 | EA | 5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 52.62 | 4.83 |
| 22 07 19 00-0283 | EA | 6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 48.36 | 4.99 |
| 22 07 19 00-0284 | EA | 6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 48.80 | 5.11 |
| 22 07 19 00-0285 | EA | 6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 55.31 | 5.28 |
| 22 07 19 00-0286 | EA | 7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 63.12 | 5.40 |
| 22 07 19 00-0287 | EA | 7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 63.37 | 5.47 |
| 22 07 19 00-0288 | EA | 7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 83.16 | 5.53 |
| 22 07 19 00-0289 | EA | 8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 67.91 | 5.60 |
| 22 07 19 00-0290 | EA | 8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 107.06 | 5.74 |
| 22 07 19 00-0291 | EA | 9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 107.64 | 5.89 |
| 22 07 19 00-0292 | EA | 9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 85.71 | 5.96 |
| 22 07 19 00-0293 | EA | 10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 86.03 | 6.04 |
| 22 07 19 00-0294 | EA | 10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 87.69 | 6.12 |
| 22 07 19 00-0295 | EA | 11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 88.02 | 6.20 |
| 22 07 19 00-0296 | EA | 11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 97.35 | 6.37 |
| 22 07 19 00-0297 | EA | 12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 97.71 | 6.46 |
| 22 07 19 00-0298 | EA | 12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 154.49 | 6.66 |
| 22 07 19 00-0299 | EA | 13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 154.89 | 6.76 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0300 | EA | 14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 199.31 | 6.96 |
| 22 07 19 00-0301 | EA | 15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 207.98 | 7.17 |
| 22 07 19 00-0302 | EA | 16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing | 224.72 | 7.29 |
| 22 07 19 00-0303 | EA | 2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 26.57 | 3.65 |
| 22 07 19 00-0304 | EA | 2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 26.93 | 3.74 |
| 22 07 19 00-0305 | EA | 3" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 28.87 | 3.83 |
| 22 07 19 00-0306 | EA | 3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 29.26 | 3.93 |
| 22 07 19 00-0307 | EA | 3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing | 31.44 | 3.99 |
| 22 07 19 00-0308 | EA | 3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 31.72 | 4.07 |
| 22 07 19 00-0309 | EA | 4" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 32.42 | 4.17 |
| 22 07 19 00-0310 | EA | 4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 34.95 | 4.25 |
| 22 07 19 00-0311 | EA | 4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 35.27 | 4.33 |
| 22 07 19 00-0312 | EA | 4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 35.60 | 4.41 |
| 22 07 19 00-0313 | EA | 5" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 39.07 | 4.50 |
| 22 07 19 00-0314 | EA | 5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 39.44 | 4.59 |
| 22 07 19 00-0315 | EA | 5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 41.02 | 4.73 |
| 22 07 19 00-0316 | EA | 6" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 42.05 | 4.99 |
| 22 07 19 00-0317 | EA | 6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 51.62 | 5.28 |
| 22 07 19 00-0318 | EA | 7" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 52.12 | 5.40 |
| 22 07 19 00-0319 | EA | 7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 52.91 | 5.53 |
| 22 07 19 00-0320 | EA | 8" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 53.18 | 5.60 |
| 22 07 19 00-0321 | EA | 8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 61.26 | 5.74 |
| 22 07 19 00-0322 | EA | 9" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 61.84 | 5.89 |
| 22 07 19 00-0323 | EA | 9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 77.01 | 5.96 |
| 22 07 19 00-0324 | EA | 10" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 77.33 | 6.04 |
| 22 07 19 00-0325 | EA | 10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 74.21 | 6.12 |
| 22 07 19 00-0326 | EA | 11" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 74.54 | 6.20 |
| 22 07 19 00-0327 | EA | 11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 85.24 | 6.37 |
| 22 07 19 00-0328 | EA | 12" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 85.60 | 6.46 |
| 22 07 19 00-0329 | EA | 13" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 97.12 | 6.76 |
| 22 07 19 00-0330 | EA | 14" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 113.85 | 6.96 |
| 22 07 19 00-0331 | EA | 15" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 161.24 | 7.17 |
| 22 07 19 00-0332 | EA | 16" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 172.84 | 7.29 |
| 22 07 19 00-0333 | EA | 17" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 169.92 | 7.40 |
| 22 07 19 00-0334 | EA | 18" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 190.14 | 7.52 |
| 22 07 19 00-0335 | EA | 19" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 226.09 | 7.65 |
| 22 07 19 00-0336 | EA | 20" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 220.18 | 7.78 |
| 22 07 19 00-0337 | EA | 21" ID, Aluminum 45 Degree Elbow Insulation Jacketing | 235.76 | 7.91 |
| 22 07 19 00-0338 | EA | 2-1/2" ID, Aluminum Tee Insulation Jacketing | 103.26 | 5.22 |
| 22 07 19 00-0339 | EA | 2-3/4" ID, Aluminum Tee Insulation Jacketing | 103.75 | 5.34 |
| 22 07 19 00-0340 | EA | 3" ID, Aluminum Tee Insulation Jacketing | 114.94 | 5.47 |
| 22 07 19 00-0341 | EA | 3-1/4" ID, Aluminum Tee Insulation Jacketing | 115.47 | 5.60 |
| 22 07 19 00-0342 | EA | 3-1/2" ID Aluminum Tee Insulation Jacketing | 120.50 | 5.74 |
| 22 07 19 00-0343 | EA | 4" ID, Aluminum Tee Insulation Jacketing | 122.14 | 5.89 |
| 22 07 19 00-0344 | EA | 4-1/4" ID, Aluminum Tee Insulation Jacketing | 128.45 | 6.04 |
| 22 07 19 00-0345 | EA | 4-1/2" ID, Aluminum Tee Insulation Jacketing | 128.25 | 6.20 |
| 22 07 19 00-0346 | EA | 4-3/4" ID, Aluminum Tee Insulation Jacketing | 128.94 | 6.37 |
| 22 07 19 00-0347 | EA | 5" ID, Aluminum Tee Insulation Jacketing | 133.52 | 6.56 |
| 22 07 19 00-0348 | EA | 5-1/4" ID, Aluminum Tee Insulation Jacketing | 134.30 | 6.76 |
| 22 07 19 00-0349 | EA | 5-1/2" ID, Aluminum Tee Insulation Jacketing | 139.86 | 6.96 |
| 22 07 19 00-0350 | EA | 6" ID, Aluminum Tee Insulation Jacketing | 140.74 | 7.17 |
| 22 07 19 00-0351 | EA | 6-1/2" ID, Aluminum Tee Insulation Jacketing | 153.68 | 7.65 |
| 22 07 19 00-0352 | EA | 7" ID, Aluminum Tee Insulation Jacketing | 154.73 | 7.91 |
| 22 07 19 00-0353 | EA | 7-1/2" ID, Aluminum Tee Insulation Jacketing | 169.66 | 8.20 |
| 22 07 19 00-0354 | EA | 8" ID, Aluminum Tee Insulation Jacketing | 170.86 | 8.50 |
| 22 07 19 00-0355 | EA | 8-1/2" ID, Aluminum Tee Insulation Jacketing | 175.78 | 8.83 |
| 22 07 19 00-0356 | EA | 9" ID, Aluminum Tee Insulation Jacketing | 177.20 | 9.18 |
| 22 07 19 00-0357 | EA | 9-1/2" ID, Aluminum Tee Insulation Jacketing | 141.73 | 9.37 |
| 22 07 19 00-0358 | EA | 10" ID, Aluminum Tee Insulation Jacketing | 142.51 | 9.57 |
| 22 07 19 00-0359 | EA | 10-1/2" ID, Aluminum Tee Insulation Jacketing | 150.12 | 9.77 |
| 22 07 19 00-0360 | EA | 11" ID, Aluminum Tee Insulation Jacketing | 150.98 | 9.98 |
| 22 07 19 00-0361 | EA | 11-1/2" ID, Aluminum Tee Insulation Jacketing | 157.91 | 10.20 |
| 22 07 19 00-0362 | EA | 12" ID, Aluminum Tee Insulation Jacketing | 158.84 | 10.43 |
| 22 07 19 00-0363 | EA | 13" ID, Aluminum Tee Insulation Jacketing | 165.63 | 10.67 |
| 22 07 19 00-0364 | EA | 14" ID, Aluminum Tee Insulation Jacketing | 172.68 | 10.94 |
| 22 07 19 00-0365 | EA | 15" ID, Aluminum Tee Insulation Jacketing | 184.27 | 11.20 |
| 22 07 19 00-0366 | EA | 16" ID, Aluminum Tee Insulation Jacketing | 188.89 | 11.48 |
| 22 07 19 00-0367 | EA | 17" ID, Aluminum Tee Insulation Jacketing | 211.46 | 11.77 |
| 22 07 19 00-0368 | EA | 18" ID, Aluminum Tee Insulation Jacketing | 219.10 | 12.08 |
| 22 07 19 00-0369 | EA | 19" ID, Aluminum Tee Insulation Jacketing | 238.49 | 12.41 |
| 22 07 19 00-0370 | EA | 20" ID, Aluminum Tee Insulation Jacketing | 243.99 | 12.76 |
| 22 07 19 00-0371 | EA | 22" ID, Aluminum Tee Insulation Jacketing | 297.96 | 13.12 |
| 22 07 19 00-0372 | EA | 23" ID, Aluminum Tee Insulation Jacketing | 306.33 | 13.50 |
| 22 07 19 00-0373 | EA | 24" ID, Aluminum Tee Insulation Jacketing | 318.12 | 14.81 |
| 22 07 19 00-0374 | | Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0001)* | | |
| 22 07 19 00-0375 | | Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0374)* | | |
| 22 07 19 00-0376 | SF | 0.010" Stainless Steel Insulation Jacket With Bands | 21.97 | 8.61 |
| 22 07 19 00-0377 | SF | 0.016" Stainless Steel Insulation Jacket With Bands | 27.07 | 10.33 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0378 | | 10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0374)* | | |
| 22 07 19 00-0379 | LF | 2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing | 11.52 | 1.83 |
| 22 07 19 00-0380 | LF | 2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing | 12.03 | 1.87 |
| 22 07 19 00-0381 | LF | 3" ID, 0.010" Stainless Steel Insulation Jacketing | 12.56 | 1.91 |
| 22 07 19 00-0382 | LF | 3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing | 13.10 | 1.95 |
| 22 07 19 00-0383 | LF | 3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing | 13.65 | 1.99 |
| 22 07 19 00-0384 | LF | 3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing | 14.20 | 2.04 |
| 22 07 19 00-0385 | LF | 4" ID, 0.010" Stainless Steel Insulation Jacketing | 14.75 | 2.08 |
| 22 07 19 00-0386 | LF | 4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing | 15.31 | 2.13 |
| 22 07 19 00-0387 | LF | 4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing | 15.87 | 2.19 |
| 22 07 19 00-0388 | LF | 5" ID, 0.010" Stainless Steel Insulation Jacketing | 17.07 | 2.30 |
| 22 07 19 00-0389 | LF | 5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing | 18.29 | 2.42 |
| 22 07 19 00-0390 | LF | 6" ID, 0.010" Stainless Steel Insulation Jacketing | 19.56 | 2.55 |
| 22 07 19 00-0391 | LF | 6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing | 20.59 | 2.63 |
| 22 07 19 00-0392 | LF | 7" ID, 0.010" Stainless Steel Insulation Jacketing | 21.65 | 2.70 |
| 22 07 19 00-0393 | LF | 7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing | 22.79 | 2.80 |
| 22 07 19 00-0394 | LF | 8" ID, 0.010" Stainless Steel Insulation Jacketing | 23.73 | 2.85 |
| 22 07 19 00-0395 | LF | 8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing | 24.68 | 2.91 |
| 22 07 19 00-0396 | LF | 9" ID, 0.010" Stainless Steel Insulation Jacketing | 25.66 | 2.96 |
| 22 07 19 00-0397 | LF | 9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing | 26.63 | 3.02 |
| 22 07 19 00-0398 | LF | 10" ID, 0.010" Stainless Steel Insulation Jacketing | 27.62 | 3.08 |
| 22 07 19 00-0399 | LF | 10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing | 28.62 | 3.14 |
| 22 07 19 00-0400 | LF | 11" ID, 0.010" Stainless Steel Insulation Jacketing | 29.62 | 3.21 |
| 22 07 19 00-0401 | LF | 12" ID, 0.010" Stainless Steel Insulation Jacketing | 31.65 | 3.35 |
| 22 07 19 00-0402 | LF | 13" ID, 0.010" Stainless Steel Insulation Jacketing | 33.66 | 3.47 |
| 22 07 19 00-0403 | LF | 14" ID, 0.010" Stainless Steel Insulation Jacketing | 35.34 | 3.53 |
| 22 07 19 00-0404 | | 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0374)* | | |
| 22 07 19 00-0405 | LF | 2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing | 15.82 | 2.45 |
| 22 07 19 00-0406 | LF | 2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing | 16.55 | 2.50 |
| 22 07 19 00-0407 | LF | 3" ID, 0.016" Stainless Steel Insulation Jacketing | 17.30 | 2.55 |
| 22 07 19 00-0408 | LF | 3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing | 18.06 | 2.60 |
| 22 07 19 00-0409 | LF | 3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing | 18.83 | 2.66 |
| 22 07 19 00-0410 | LF | 3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing | 19.59 | 2.72 |
| 22 07 19 00-0411 | LF | 4" ID, 0.016" Stainless Steel Insulation Jacketing | 20.39 | 2.78 |
| 22 07 19 00-0412 | LF | 4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing | 21.17 | 2.84 |
| 22 07 19 00-0413 | LF | 4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing | 21.98 | 2.91 |
| 22 07 19 00-0414 | LF | 5" ID, 0.016" Stainless Steel Insulation Jacketing | 23.65 | 3.05 |
| 22 07 19 00-0415 | LF | 5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing | 25.36 | 3.21 |
| 22 07 19 00-0416 | LF | 6" ID, 0.016" Stainless Steel Insulation Jacketing | 27.14 | 3.39 |
| 22 07 19 00-0417 | LF | 6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing | 28.60 | 3.49 |
| 22 07 19 00-0418 | LF | 7" ID, 0.016" Stainless Steel Insulation Jacketing | 30.10 | 3.59 |
| 22 07 19 00-0419 | LF | 7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing | 31.69 | 3.73 |
| 22 07 19 00-0420 | LF | 8" ID, 0.016" Stainless Steel Insulation Jacketing | 33.04 | 3.80 |
| 22 07 19 00-0421 | LF | 8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing | 34.40 | 3.87 |
| 22 07 19 00-0422 | LF | 9" ID, 0.016" Stainless Steel Insulation Jacketing | 35.79 | 3.94 |
| 22 07 19 00-0423 | LF | 9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing | 37.17 | 4.02 |
| 22 07 19 00-0424 | LF | 10" ID, 0.016" Stainless Steel Insulation Jacketing | 38.56 | 4.10 |
| 22 07 19 00-0425 | LF | 10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing | 39.99 | 4.18 |
| 22 07 19 00-0426 | LF | 11" ID, 0.0106 Stainless Steel Insulation Jacketing | 41.40 | 4.27 |
| 22 07 19 00-0427 | LF | 12" ID, 0.016" Stainless Steel Insulation Jacketing | 44.29 | 4.46 |
| 22 07 19 00-0428 | LF | 13" ID, 0.016" Stainless Steel Insulation Jacketing | 47.13 | 4.62 |
| 22 07 19 00-0429 | LF | 14" ID, 0.016" Stainless Steel Insulation Jacketing | 49.55 | 4.69 |
| 22 07 19 00-0430 | | Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0374)* | | |
| 22 07 19 00-0431 | EA | 2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 33.00 | 3.65 |
| 22 07 19 00-0432 | EA | 2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 33.36 | 3.74 |
| 22 07 19 00-0433 | EA | 3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 34.58 | 3.83 |
| 22 07 19 00-0434 | EA | 3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 34.97 | 3.93 |
| 22 07 19 00-0435 | EA | 3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 36.21 | 3.99 |
| 22 07 19 00-0436 | EA | 3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 37.64 | 4.07 |
| 22 07 19 00-0437 | EA | 4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 40.21 | 4.17 |
| 22 07 19 00-0438 | EA | 4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 48.26 | 4.25 |
| 22 07 19 00-0439 | EA | 4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 48.58 | 4.33 |
| 22 07 19 00-0440 | EA | 5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 49.97 | 4.50 |
| 22 07 19 00-0441 | EA | 5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 66.59 | 4.73 |
| 22 07 19 00-0442 | EA | 6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 72.28 | 4.99 |
| 22 07 19 00-0443 | EA | 6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 93.12 | 5.28 |
| 22 07 19 00-0444 | EA | 7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 93.62 | 5.40 |
| 22 07 19 00-0445 | EA | 7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 106.20 | 5.53 |
| 22 07 19 00-0446 | EA | 8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 107.04 | 5.74 |
| 22 07 19 00-0447 | EA | 8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 109.90 | 5.74 |
| 22 07 19 00-0448 | EA | 9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 155.78 | 5.89 |
| 22 07 19 00-0449 | EA | 9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 153.79 | 5.96 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0450 | EA | 10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 154.11 | 6.04 |
| 22 07 19 00-0451 | EA | 10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 179.96 | 6.12 |
| 22 07 19 00-0452 | EA | 11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 173.23 | 6.20 |
| 22 07 19 00-0453 | EA | 12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 194.36 | 6.46 |
| 22 07 19 00-0454 | EA | 13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 260.45 | 6.76 |
| 22 07 19 00-0455 | EA | 14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing | 262.84 | 6.96 |
| 22 07 19 00-0456 | EA | 2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 29.93 | 3.65 |
| 22 07 19 00-0457 | EA | 2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 30.29 | 3.74 |
| 22 07 19 00-0458 | EA | 3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 31.83 | 3.83 |
| 22 07 19 00-0459 | EA | 3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 32.22 | 3.93 |
| 22 07 19 00-0460 | EA | 3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing | 32.70 | 3.99 |
| 22 07 19 00-0461 | EA | 3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 32.98 | 4.07 |
| 22 07 19 00-0462 | EA | 4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 38.21 | 4.17 |
| 22 07 19 00-0463 | EA | 4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 47.20 | 4.25 |
| 22 07 19 00-0464 | EA | 4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 47.52 | 4.33 |
| 22 07 19 00-0465 | EA | 4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 47.85 | 4.41 |
| 22 07 19 00-0466 | EA | 5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 48.71 | 4.50 |
| 22 07 19 00-0467 | EA | 5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 49.64 | 4.73 |
| 22 07 19 00-0468 | EA | 6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 56.38 | 4.99 |
| 22 07 19 00-0469 | EA | 6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 57.53 | 5.28 |
| 22 07 19 00-0470 | EA | 7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 83.24 | 5.40 |
| 22 07 19 00-0471 | EA | 7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 85.02 | 5.53 |
| 22 07 19 00-0472 | EA | 8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 85.29 | 5.60 |
| 22 07 19 00-0473 | EA | 8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 96.56 | 5.74 |
| 22 07 19 00-0474 | EA | 9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 97.14 | 5.89 |
| 22 07 19 00-0475 | EA | 9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 110.26 | 5.96 |
| 22 07 19 00-0476 | EA | 10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 110.58 | 6.04 |
| 22 07 19 00-0477 | EA | 10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 128.34 | 6.12 |
| 22 07 19 00-0478 | EA | 11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 128.67 | 6.20 |
| 22 07 19 00-0479 | EA | 12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 138.65 | 6.46 |
| 22 07 19 00-0480 | EA | 13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing | 159.72 | 6.76 |
| 22 07 19 00-0481 | | Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0001)* | | |
| 22 07 19 00-0482 | | 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0481)* | | |
| 22 07 19 00-0483 | LF | 1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 8.01 | 1.70 |
| | | *For Color (Other than White), Add* | *0.23* | |
| 22 07 19 00-0484 | LF | 2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 8.67 | 1.76 |
| | | *For Color (Other than White), Add* | *0.31* | |
| 22 07 19 00-0485 | LF | 2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 9.27 | 1.83 |
| | | *For Color (Other than White), Add* | *0.37* | |
| 22 07 19 00-0486 | LF | 3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 9.97 | 1.91 |
| | | *For Color (Other than White), Add* | *0.45* | |
| 22 07 19 00-0487 | LF | 3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 10.61 | 1.99 |
| | | *For Color (Other than White), Add* | *0.50* | |
| 22 07 19 00-0488 | LF | 4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 11.32 | 2.08 |
| | | *For Color (Other than White), Add* | *0.57* | |
| 22 07 19 00-0489 | LF | 4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 12.07 | 2.19 |
| | | *For Color (Other than White), Add* | *0.64* | |
| 22 07 19 00-0490 | LF | 5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 12.81 | 2.30 |
| | | *For Color (Other than White), Add* | *0.70* | |
| 22 07 19 00-0491 | LF | 5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 13.65 | 2.42 |
| | | *For Color (Other than White), Add* | *0.76* | |
| 22 07 19 00-0492 | LF | 6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 14.53 | 2.55 |
| | | *For Color (Other than White), Add* | *0.83* | |
| 22 07 19 00-0493 | LF | 6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 15.18 | 2.63 |
| | | *For Color (Other than White), Add* | *0.90* | |
| 22 07 19 00-0494 | LF | 7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 15.79 | 2.70 |
| | | *For Color (Other than White), Add* | *0.96* | |
| 22 07 19 00-0495 | LF | 7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 16.59 | 2.80 |
| | | *For Color (Other than White), Add* | *1.03* | |
| 22 07 19 00-0496 | LF | 8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 17.10 | 2.85 |
| | | *For Color (Other than White), Add* | *1.09* | |
| 22 07 19 00-0497 | LF | 8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 17.67 | 2.91 |
| | | *For Color (Other than White), Add* | *1.16* | |
| 22 07 19 00-0498 | LF | 9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 18.25 | 2.96 |
| | | *For Color (Other than White), Add* | *1.23* | |
| 22 07 19 00-0499 | LF | 9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 18.83 | 3.02 |
| | | *For Color (Other than White), Add* | *1.30* | |
| 22 07 19 00-0500 | LF | 10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 19.39 | 3.08 |
| | | *For Color (Other than White), Add* | *1.36* | |
| 22 07 19 00-0501 | LF | 10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 19.99 | 3.14 |
| | | *For Color (Other than White), Add* | *1.42* | |
| 22 07 19 00-0502 | LF | 11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 20.60 | 3.21 |
| | | *For Color (Other than White), Add* | *1.49* | |
| 22 07 19 00-0503 | LF | 11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 21.23 | 3.28 |
| | | *For Color (Other than White), Add* | *1.56* | |
| 22 07 19 00-0504 | LF | 12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 21.82 | 3.35 |
| | | *For Color (Other than White), Add* | *1.62* | |
| 22 07 19 00-0505 | LF | 12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 22.52 | 3.42 |
| | | *For Color (Other than White), Add* | *1.69* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0506 | LF | 13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 23.04 | 3.47 |
| | | *For Color (Other than White), Add* | *1.75* | |
| 22 07 19 00-0507 | LF | 13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 23.39 | 3.47 |
| | | *For Color (Other than White), Add* | *1.82* | |
| 22 07 19 00-0508 | LF | 14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 23.96 | 3.53 |
| | | *For Color (Other than White), Add* | *1.89* | |
| 22 07 19 00-0509 | LF | 15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 24.88 | 3.58 |
| | | *For Color (Other than White), Add* | *2.02* | |
| 22 07 19 00-0510 | LF | 16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 25.76 | 3.65 |
| | | *For Color (Other than White), Add* | *2.15* | |
| 22 07 19 00-0511 | LF | 17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 26.70 | 3.71 |
| | | *For Color (Other than White), Add* | *2.28* | |
| 22 07 19 00-0512 | LF | 18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 27.65 | 3.77 |
| | | *For Color (Other than White), Add* | *2.42* | |
| 22 07 19 00-0513 | LF | 19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 28.56 | 3.83 |
| | | *For Color (Other than White), Add* | *2.54* | |
| 22 07 19 00-0514 | LF | 20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 29.53 | 3.89 |
| | | *For Color (Other than White), Add* | *2.68* | |
| 22 07 19 00-0515 | LF | 21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 30.44 | 3.96 |
| | | *For Color (Other than White), Add* | *2.81* | |
| 22 07 19 00-0516 | LF | 22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 31.43 | 4.03 |
| | | *For Color (Other than White), Add* | *2.94* | |
| 22 07 19 00-0517 | LF | 23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 32.37 | 4.10 |
| | | *For Color (Other than White), Add* | *3.07* | |
| 22 07 19 00-0518 | LF | 24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 33.38 | 4.17 |
| | | *For Color (Other than White), Add* | *3.20* | |
| 22 07 19 00-0519 | LF | 25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 34.40 | 4.25 |
| | | *For Color (Other than White), Add* | *3.34* | |
| 22 07 19 00-0520 | LF | 26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 35.37 | 4.33 |
| | | *For Color (Other than White), Add* | *3.46* | |
| 22 07 19 00-0521 | LF | 27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 36.41 | 4.41 |
| | | *For Color (Other than White), Add* | *3.60* | |
| 22 07 19 00-0522 | LF | 28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 37.40 | 4.50 |
| | | *For Color (Other than White), Add* | *3.72* | |
| 22 07 19 00-0523 | LF | 29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 38.48 | 4.59 |
| | | *For Color (Other than White), Add* | *3.86* | |
| 22 07 19 00-0524 | LF | 30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing | 39.55 | 4.68 |
| | | *For Color (Other than White), Add* | *4.00* | |

## 22 07 19 00-0525 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0481)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0526 | LF | 2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 9.43 | 1.76 |
| | | *For Color (Other than White), Add* | *0.30* | |
| 22 07 19 00-0527 | LF | 2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 10.22 | 1.83 |
| | | *For Color (Other than White), Add* | *0.37* | |
| 22 07 19 00-0528 | LF | 3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 11.08 | 1.91 |
| | | *For Color (Other than White), Add* | *0.44* | |
| 22 07 19 00-0529 | LF | 3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 11.87 | 1.99 |
| | | *For Color (Other than White), Add* | *0.50* | |
| 22 07 19 00-0530 | LF | 4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 12.73 | 2.08 |
| | | *For Color (Other than White), Add* | *0.56* | |
| 22 07 19 00-0531 | LF | 4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 13.63 | 2.19 |
| | | *For Color (Other than White), Add* | *0.63* | |
| 22 07 19 00-0532 | LF | 5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 14.57 | 2.30 |
| | | *For Color (Other than White), Add* | *0.69* | |
| 22 07 19 00-0533 | LF | 5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 15.57 | 2.42 |
| | | *For Color (Other than White), Add* | *0.76* | |
| 22 07 19 00-0534 | LF | 6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 16.60 | 2.55 |
| | | *For Color (Other than White), Add* | *0.82* | |
| 22 07 19 00-0535 | LF | 6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 17.39 | 2.63 |
| | | *For Color (Other than White), Add* | *0.88* | |
| 22 07 19 00-0536 | LF | 7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 18.21 | 2.70 |
| | | *For Color (Other than White), Add* | *0.95* | |
| 22 07 19 00-0537 | LF | 7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 19.16 | 2.80 |
| | | *For Color (Other than White), Add* | *1.02* | |
| 22 07 19 00-0538 | LF | 8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 19.88 | 2.85 |
| | | *For Color (Other than White), Add* | *1.08* | |
| 22 07 19 00-0539 | LF | 8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 20.59 | 2.91 |
| | | *For Color (Other than White), Add* | *1.15* | |
| 22 07 19 00-0540 | LF | 9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 21.32 | 2.96 |
| | | *For Color (Other than White), Add* | *1.21* | |
| 22 07 19 00-0541 | LF | 9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 22.06 | 3.02 |
| | | *For Color (Other than White), Add* | *1.28* | |
| 22 07 19 00-0542 | LF | 10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 22.81 | 3.08 |
| | | *For Color (Other than White), Add* | *1.34* | |
| 22 07 19 00-0543 | LF | 10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 23.57 | 3.14 |
| | | *For Color (Other than White), Add* | *1.41* | |
| 22 07 19 00-0544 | LF | 11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 24.33 | 3.21 |
| | | *For Color (Other than White), Add* | *1.47* | |
| 22 07 19 00-0545 | LF | 11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 25.11 | 3.28 |
| | | *For Color (Other than White), Add* | *1.53* | |
| 22 07 19 00-0546 | LF | 12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 25.90 | 3.35 |
| | | *For Color (Other than White), Add* | *1.60* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0547 | LF | 12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 26.75 | 3.42 |
| | | *For Color (Other than White), Add* | *1.67* | |
| 22 07 19 00-0548 | LF | 13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 27.48 | 3.47 |
| | | *For Color (Other than White), Add* | *1.74* | |
| 22 07 19 00-0549 | LF | 13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 27.98 | 3.47 |
| | | *For Color (Other than White), Add* | *1.80* | |
| 22 07 19 00-0550 | LF | 14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 28.69 | 3.53 |
| | | *For Color (Other than White), Add* | *1.86* | |
| 22 07 19 00-0551 | LF | 15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 29.92 | 3.58 |
| | | *For Color (Other than White), Add* | *1.99* | |
| 22 07 19 00-0552 | LF | 16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 31.15 | 3.65 |
| | | *For Color (Other than White), Add* | *2.12* | |
| 22 07 19 00-0553 | LF | 17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 32.40 | 3.71 |
| | | *For Color (Other than White), Add* | *2.25* | |
| 22 07 19 00-0554 | LF | 18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 33.70 | 3.77 |
| | | *For Color (Other than White), Add* | *2.39* | |
| 22 07 19 00-0555 | LF | 19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 34.96 | 3.83 |
| | | *For Color (Other than White), Add* | *2.52* | |
| 22 07 19 00-0556 | LF | 20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 36.23 | 3.89 |
| | | *For Color (Other than White), Add* | *2.64* | |
| 22 07 19 00-0557 | LF | 21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 37.50 | 3.96 |
| | | *For Color (Other than White), Add* | *2.77* | |
| 22 07 19 00-0558 | LF | 22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 38.79 | 4.03 |
| | | *For Color (Other than White), Add* | *2.90* | |
| 22 07 19 00-0559 | LF | 23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 40.08 | 4.10 |
| | | *For Color (Other than White), Add* | *3.03* | |
| 22 07 19 00-0560 | LF | 24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 41.39 | 4.17 |
| | | *For Color (Other than White), Add* | *3.16* | |
| 22 07 19 00-0561 | LF | 25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 42.76 | 4.25 |
| | | *For Color (Other than White), Add* | *3.30* | |
| 22 07 19 00-0562 | LF | 26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 44.09 | 4.33 |
| | | *For Color (Other than White), Add* | *3.43* | |
| 22 07 19 00-0563 | LF | 27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 45.43 | 4.41 |
| | | *For Color (Other than White), Add* | *3.55* | |
| 22 07 19 00-0564 | LF | 28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 46.78 | 4.50 |
| | | *For Color (Other than White), Add* | *3.68* | |
| 22 07 19 00-0565 | LF | 29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 48.15 | 4.59 |
| | | *For Color (Other than White), Add* | *3.81* | |
| 22 07 19 00-0566 | LF | 30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing | 49.53 | 4.68 |
| | | *For Color (Other than White), Add* | *3.94* | |

## 22 07 19 00-0567 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-0481)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0568 | EA | 1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 16.37 | 3.40 |
| | | *For Color (Other than White), Add* | *0.09* | |
| 22 07 19 00-0569 | EA | 2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 17.56 | 3.53 |
| | | *For Color (Other than White), Add* | *0.11* | |
| 22 07 19 00-0570 | EA | 2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 18.18 | 3.58 |
| | | *For Color (Other than White), Add* | *0.12* | |
| 22 07 19 00-0571 | EA | 2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 18.80 | 3.65 |
| | | *For Color (Other than White), Add* | *0.13* | |
| 22 07 19 00-0572 | EA | 2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 19.52 | 3.74 |
| | | *For Color (Other than White), Add* | *0.14* | |
| 22 07 19 00-0573 | EA | 3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 20.15 | 3.83 |
| | | *For Color (Other than White), Add* | *0.15* | |
| 22 07 19 00-0574 | EA | 3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 21.32 | 3.96 |
| | | *For Color (Other than White), Add* | *0.17* | |
| 22 07 19 00-0575 | EA | 3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 22.40 | 4.07 |
| | | *For Color (Other than White), Add* | *0.19* | |
| 22 07 19 00-0576 | EA | 4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 24.46 | 4.17 |
| | | *For Color (Other than White), Add* | *0.24* | |
| 22 07 19 00-0577 | EA | 4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 26.86 | 4.37 |
| | | *For Color (Other than White), Add* | *0.29* | |
| 22 07 19 00-0578 | EA | 5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 29.31 | 4.59 |
| | | *For Color (Other than White), Add* | *0.34* | |
| 22 07 19 00-0579 | EA | 5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 33.74 | 4.83 |
| | | *For Color (Other than White), Add* | *0.45* | |
| 22 07 19 00-0580 | EA | 6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 44.44 | 5.11 |
| | | *For Color (Other than White), Add* | *0.75* | |
| 22 07 19 00-0581 | EA | 6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 46.41 | 5.28 |
| | | *For Color (Other than White), Add* | *0.78* | |
| 22 07 19 00-0582 | EA | 7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 53.31 | 5.40 |
| | | *For Color (Other than White), Add* | *0.98* | |
| 22 07 19 00-0583 | EA | 7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 55.38 | 5.53 |
| | | *For Color (Other than White), Add* | *1.03* | |
| 22 07 19 00-0584 | EA | 8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 65.75 | 5.74 |
| | | *For Color (Other than White), Add* | *1.33* | |
| 22 07 19 00-0585 | EA | 9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 81.00 | 5.96 |
| | | *For Color (Other than White), Add* | *1.77* | |
| 22 07 19 00-0586 | EA | 10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 88.62 | 6.20 |
| | | *For Color (Other than White), Add* | *1.98* | |
| 22 07 19 00-0587 | EA | 11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 98.99 | 6.46 |
| | | *For Color (Other than White), Add* | *2.27* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0588 | EA | 12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 119.34 | 6.76 |
| | | *For Color (Other than White), Add* | *2.86* | |
| 22 07 19 00-0589 | EA | 14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 133.35 | 6.96 |
| | | *For Color (Other than White), Add* | *3.27* | |
| 22 07 19 00-0590 | EA | 15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 142.09 | 7.17 |
| | | *For Color (Other than White), Add* | *3.52* | |
| 22 07 19 00-0591 | EA | 16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 152.92 | 7.29 |
| | | *For Color (Other than White), Add* | *3.84* | |
| 22 07 19 00-0592 | EA | 17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 166.95 | 7.40 |
| | | *For Color (Other than White), Add* | *4.26* | |
| 22 07 19 00-0593 | EA | 18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 207.25 | 7.52 |
| | | *For Color (Other than White), Add* | *5.49* | |
| 22 07 19 00-0594 | EA | 19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 271.10 | 7.65 |
| | | *For Color (Other than White), Add* | *7.46* | |
| 22 07 19 00-0595 | EA | 20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing | 340.20 | 7.78 |
| | | *For Color (Other than White), Add* | *9.58* | |
| 22 07 19 00-0596 | EA | 1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 16.37 | 3.40 |
| | | *For Color (Other than White), Add* | *0.09* | |
| 22 07 19 00-0597 | EA | 2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 17.56 | 3.53 |
| | | *For Color (Other than White), Add* | *0.11* | |
| 22 07 19 00-0598 | EA | 2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 18.18 | 3.58 |
| | | *For Color (Other than White), Add* | *0.12* | |
| 22 07 19 00-0599 | EA | 2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 18.80 | 3.65 |
| | | *For Color (Other than White), Add* | *0.13* | |
| 22 07 19 00-0600 | EA | 2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 19.52 | 3.74 |
| | | *For Color (Other than White), Add* | *0.14* | |
| 22 07 19 00-0601 | EA | 3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 20.15 | 3.83 |
| | | *For Color (Other than White), Add* | *0.15* | |
| 22 07 19 00-0602 | EA | 3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 21.32 | 3.96 |
| | | *For Color (Other than White), Add* | *0.17* | |
| 22 07 19 00-0603 | EA | 3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 22.40 | 4.07 |
| | | *For Color (Other than White), Add* | *0.19* | |
| 22 07 19 00-0604 | EA | 4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 24.46 | 4.17 |
| | | *For Color (Other than White), Add* | *0.24* | |
| 22 07 19 00-0605 | EA | 4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 26.86 | 4.37 |
| | | *For Color (Other than White), Add* | *0.29* | |
| 22 07 19 00-0606 | EA | 5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 29.31 | 4.59 |
| | | *For Color (Other than White), Add* | *0.34* | |
| 22 07 19 00-0607 | EA | 5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 33.74 | 4.83 |
| | | *For Color (Other than White), Add* | *0.45* | |
| 22 07 19 00-0608 | EA | 6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 44.44 | 5.11 |
| | | *For Color (Other than White), Add* | *0.75* | |
| 22 07 19 00-0609 | EA | 6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 46.41 | 5.28 |
| | | *For Color (Other than White), Add* | *0.78* | |
| 22 07 19 00-0610 | EA | 7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 53.31 | 5.40 |
| | | *For Color (Other than White), Add* | *0.98* | |
| 22 07 19 00-0611 | EA | 7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 55.38 | 5.53 |
| | | *For Color (Other than White), Add* | *1.03* | |
| 22 07 19 00-0612 | EA | 8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 65.75 | 5.74 |
| | | *For Color (Other than White), Add* | *1.33* | |
| 22 07 19 00-0613 | EA | 9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 81.00 | 5.96 |
| | | *For Color (Other than White), Add* | *1.77* | |
| 22 07 19 00-0614 | EA | 10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 88.57 | 6.20 |
| | | *For Color (Other than White), Add* | *1.98* | |
| 22 07 19 00-0615 | EA | 11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 96.17 | 6.46 |
| | | *For Color (Other than White), Add* | *2.18* | |
| 22 07 19 00-0616 | EA | 12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 105.48 | 6.76 |
| | | *For Color (Other than White), Add* | *2.43* | |
| 22 07 19 00-0617 | EA | 14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 117.47 | 6.96 |
| | | *For Color (Other than White), Add* | *2.78* | |
| 22 07 19 00-0618 | EA | 15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 124.91 | 7.17 |
| | | *For Color (Other than White), Add* | *2.98* | |
| 22 07 19 00-0619 | EA | 16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 139.01 | 7.29 |
| | | *For Color (Other than White), Add* | *3.41* | |
| 22 07 19 00-0620 | EA | 17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 153.34 | 7.40 |
| | | *For Color (Other than White), Add* | *3.84* | |
| 22 07 19 00-0621 | EA | 18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 181.30 | 7.52 |
| | | *For Color (Other than White), Add* | *4.69* | |
| 22 07 19 00-0622 | EA | 19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 236.83 | 7.65 |
| | | *For Color (Other than White), Add* | *6.39* | |
| 22 07 19 00-0623 | EA | 20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing | 264.71 | 7.78 |
| | | *For Color (Other than White), Add* | *7.24* | |
| 22 07 19 00-0624 | EA | 1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 24.37 | 4.78 |
| | | *For Color (Other than White), Add* | *0.16* | |
| 22 07 19 00-0625 | EA | 2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 25.48 | 4.88 |
| | | *For Color (Other than White), Add* | *0.18* | |
| 22 07 19 00-0626 | EA | 2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 26.63 | 5.04 |
| | | *For Color (Other than White), Add* | *0.20* | |
| 22 07 19 00-0627 | EA | 2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 27.93 | 5.22 |
| | | *For Color (Other than White), Add* | *0.22* | |
| 22 07 19 00-0628 | EA | 2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 29.37 | 5.40 |
| | | *For Color (Other than White), Add* | *0.24* | |
| 22 07 19 00-0629 | EA | 3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 30.81 | 5.60 |
| | | *For Color (Other than White), Add* | *0.26* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0630 | EA | 3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 32.93 | 5.81 |
| | | *For Color (Other than White), Add* | *0.30* | |
| 22 07 19 00-0631 | EA | 3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 35.16 | 6.04 |
| | | *For Color (Other than White), Add* | *0.34* | |
| 22 07 19 00-0632 | EA | 4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 38.15 | 6.29 |
| | | *For Color (Other than White), Add* | *0.40* | |
| 22 07 19 00-0633 | EA | 4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 42.41 | 6.56 |
| | | *For Color (Other than White), Add* | *0.50* | |
| 22 07 19 00-0634 | EA | 5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 46.86 | 6.86 |
| | | *For Color (Other than White), Add* | *0.60* | |
| 22 07 19 00-0635 | EA | 5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 55.00 | 7.29 |
| | | *For Color (Other than White), Add* | *0.80* | |
| 22 07 19 00-0636 | EA | 6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 64.58 | 7.65 |
| | | *For Color (Other than White), Add* | *1.05* | |
| 22 07 19 00-0637 | EA | 6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 73.15 | 7.78 |
| | | *For Color (Other than White), Add* | *1.30* | |
| 22 07 19 00-0638 | EA | 7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 100.15 | 8.06 |
| | | *For Color (Other than White), Add* | *2.11* | |
| 22 07 19 00-0639 | EA | 7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 108.49 | 8.50 |
| | | *For Color (Other than White), Add* | *2.31* | |
| 22 07 19 00-0640 | EA | 8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 125.92 | 8.83 |
| | | *For Color (Other than White), Add* | *2.81* | |
| 22 07 19 00-0641 | EA | 9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 143.57 | 9.18 |
| | | *For Color (Other than White), Add* | *3.31* | |
| 22 07 19 00-0642 | EA | 10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 146.36 | 9.57 |
| | | *For Color (Other than White), Add* | *3.35* | |
| 22 07 19 00-0643 | EA | 11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 159.16 | 9.77 |
| | | *For Color (Other than White), Add* | *3.72* | |
| 22 07 19 00-0644 | EA | 12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 172.02 | 9.98 |
| | | *For Color (Other than White), Add* | *4.09* | |
| 22 07 19 00-0645 | EA | 14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 184.99 | 10.20 |
| | | *For Color (Other than White), Add* | *4.47* | |
| 22 07 19 00-0646 | EA | 15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 197.87 | 10.43 |
| | | *For Color (Other than White), Add* | *4.84* | |
| 22 07 19 00-0647 | EA | 16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 210.87 | 10.67 |
| | | *For Color (Other than White), Add* | *5.21* | |
| 22 07 19 00-0648 | EA | 17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 223.78 | 10.94 |
| | | *For Color (Other than White), Add* | *5.58* | |
| 22 07 19 00-0649 | EA | 18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 243.00 | 11.20 |
| | | *For Color (Other than White), Add* | *6.14* | |
| 22 07 19 00-0650 | EA | 19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 262.17 | 11.48 |
| | | *For Color (Other than White), Add* | *6.70* | |
| 22 07 19 00-0651 | EA | 20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing | 285.35 | 11.77 |
| | | *For Color (Other than White), Add* | *7.39* | |
| 22 07 19 00-0652 | EA | 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 35.04 | 3.28 |
| 22 07 19 00-0653 | EA | 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 35.04 | 3.28 |
| 22 07 19 00-0654 | EA | 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 41.37 | 3.40 |
| 22 07 19 00-0655 | EA | 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 41.37 | 3.40 |
| 22 07 19 00-0656 | EA | 2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 57.92 | 3.53 |
| 22 07 19 00-0657 | EA | 2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 63.32 | 3.68 |
| 22 07 19 00-0658 | EA | 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 69.79 | 3.83 |
| 22 07 19 00-0659 | EA | 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 79.02 | 3.99 |
| 22 07 19 00-0660 | EA | 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 86.95 | 4.17 |
| 22 07 19 00-0661 | EA | 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 105.71 | 4.59 |
| 22 07 19 00-0662 | EA | 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 149.41 | 5.11 |
| 22 07 19 00-0663 | EA | 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 163.46 | 5.74 |
| 22 07 19 00-0664 | EA | 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 204.25 | 6.12 |
| 22 07 19 00-0665 | EA | 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 285.54 | 6.76 |
| 22 07 19 00-0666 | EA | 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 287.24 | 7.06 |
| 22 07 19 00-0667 | EA | 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 381.37 | 7.29 |
| 22 07 19 00-0668 | EA | 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing | 514.52 | 7.52 |
| 22 07 19 00-0669 | EA | 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 32.62 | 3.28 |
| 22 07 19 00-0670 | EA | 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 32.62 | 3.28 |
| 22 07 19 00-0671 | EA | 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 38.45 | 3.40 |
| 22 07 19 00-0672 | EA | 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 38.45 | 3.40 |
| 22 07 19 00-0673 | EA | 2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 53.14 | 3.53 |
| 22 07 19 00-0674 | EA | 2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 57.98 | 3.68 |
| 22 07 19 00-0675 | EA | 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 63.94 | 3.83 |
| 22 07 19 00-0676 | EA | 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 67.27 | 3.99 |
| 22 07 19 00-0677 | EA | 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 79.19 | 4.17 |
| 22 07 19 00-0678 | EA | 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 96.08 | 4.59 |
| 22 07 19 00-0679 | EA | 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 135.25 | 5.11 |
| 22 07 19 00-0680 | EA | 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 147.94 | 5.74 |
| 22 07 19 00-0681 | EA | 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 184.50 | 6.12 |
| 22 07 19 00-0682 | EA | 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 257.27 | 6.76 |
| 22 07 19 00-0683 | EA | 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 327.76 | 7.06 |
| 22 07 19 00-0684 | EA | 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 392.00 | 7.29 |
| 22 07 19 00-0685 | EA | 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing | 458.38 | 7.52 |
| 22 07 19 00-0686 | EA | 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 48.32 | 4.93 |
| 22 07 19 00-0687 | EA | 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 48.32 | 4.93 |
| 22 07 19 00-0688 | EA | 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 56.48 | 5.11 |
| 22 07 19 00-0689 | EA | 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 56.48 | 5.11 |
| 22 07 19 00-0690 | EA | 2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 78.01 | 5.28 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0691 | EA | 2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 85.16 | 5.47 |
| 22 07 19 00-0692 | EA | 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 93.77 | 5.74 |
| 22 07 19 00-0693 | EA | 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 98.89 | 5.96 |
| 22 07 19 00-0694 | EA | 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 116.77 | 6.29 |
| 22 07 19 00-0695 | EA | 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 128.35 | 6.86 |
| 22 07 19 00-0696 | EA | 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 179.93 | 7.65 |
| 22 07 19 00-0697 | EA | 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 195.87 | 8.50 |
| 22 07 19 00-0698 | EA | 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 270.47 | 9.18 |
| 22 07 19 00-0699 | EA | 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 375.92 | 9.98 |
| 22 07 19 00-0700 | EA | 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 448.54 | 10.67 |
| 22 07 19 00-0701 | EA | 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 530.55 | 10.94 |
| 22 07 19 00-0702 | EA | 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing | 581.10 | 11.20 |

## 22 07 19 00-0703 Insulation Foam Rubber *(22 07 19)*

### 22 07 19 00-0704 Covering 4x6 Sheet *(22 07 19 00-0703)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0705 | SF | 1" Thick Foam Rubber Sheet Insulation | 24.39 | 8.15 |

## 22 07 19 00-0706 Fiberglass (Glass Fiber) Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

### 22 07 19 00-0707 1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0708 | LF | 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 8.77 | 2.53 |
| | | *For Single Layer Of Felt Finish, Add* | *0.20* | |
| | | *For Work In Restricted Working Space, Add* | *2.05* | |
| 22 07 19 00-0709 | LF | 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 8.98 | 2.53 |
| | | *For Single Layer Of Felt Finish, Add* | *0.23* | |
| | | *For Work In Restricted Working Space, Add* | *2.05* | |
| 22 07 19 00-0710 | LF | 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 9.55 | 2.64 |
| | | *For Single Layer Of Felt Finish, Add* | *0.24* | |
| | | *For Work In Restricted Working Space, Add* | *2.17* | |
| 22 07 19 00-0711 | LF | 1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 9.91 | 2.76 |
| | | *For Single Layer Of Felt Finish, Add* | *0.27* | |
| | | *For Work In Restricted Working Space, Add* | *2.21* | |
| 22 07 19 00-0712 | LF | 1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 10.20 | 2.76 |
| | | *For Single Layer Of Felt Finish, Add* | *0.28* | |
| | | *For Work In Restricted Working Space, Add* | *2.25* | |
| 22 07 19 00-0713 | LF | 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 10.81 | 2.87 |
| | | *For Single Layer Of Felt Finish, Add* | *0.30* | |
| | | *For Work In Restricted Working Space, Add* | *2.38* | |
| 22 07 19 00-0714 | LF | 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 11.38 | 2.98 |
| | | *For Single Layer Of Felt Finish, Add* | *0.35* | |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 07 19 00-0715 | LF | 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 12.04 | 3.10 |
| | | *For Single Layer Of Felt Finish, Add* | *0.39* | |
| | | *For Work In Restricted Working Space, Add* | *2.50* | |
| 22 07 19 00-0716 | LF | 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 13.75 | 3.33 |
| | | *For Single Layer Of Felt Finish, Add* | *0.50* | |
| | | *For Work In Restricted Working Space, Add* | *2.71* | |
| 22 07 19 00-0717 | LF | 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 16.26 | 3.91 |
| | | *For Single Layer Of Felt Finish, Add* | *0.60* | |
| | | *For Work In Restricted Working Space, Add* | *3.16* | |

### 22 07 19 00-0718 1" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0719 | LF | 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 11.74 | 3.44 |
| | | *For Single Layer Of Felt Finish, Add* | *0.24* | |
| | | *For Work In Restricted Working Space, Add* | *2.83* | |
| 22 07 19 00-0720 | LF | 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 12.07 | 3.44 |
| | | *For Single Layer Of Felt Finish, Add* | *0.28* | |
| | | *For Work In Restricted Working Space, Add* | *2.83* | |
| 22 07 19 00-0721 | LF | 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 12.26 | 3.44 |
| | | *For Single Layer Of Felt Finish, Add* | *0.28* | |
| | | *For Work In Restricted Working Space, Add* | *2.87* | |
| 22 07 19 00-0722 | LF | 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 12.74 | 3.55 |
| | | *For Single Layer Of Felt Finish, Add* | *0.32* | |
| | | *For Work In Restricted Working Space, Add* | *2.91* | |
| 22 07 19 00-0723 | LF | 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 13.11 | 3.55 |
| | | *For Single Layer Of Felt Finish, Add* | *0.34* | |
| | | *For Work In Restricted Working Space, Add* | *2.95* | |
| 22 07 19 00-0724 | LF | 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 13.68 | 3.68 |
| | | *For Single Layer Of Felt Finish, Add* | *0.37* | |
| | | *For Work In Restricted Working Space, Add* | *3.03* | |
| 22 07 19 00-0725 | LF | 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 14.46 | 3.91 |
| | | *For Single Layer Of Felt Finish, Add* | *0.41* | |
| | | *For Work In Restricted Working Space, Add* | *3.16* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0726 | LF | 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 15.24 | 4.02 |
| | | *For Single Layer Of Felt Finish, Add* | *0.47* | |
| | | *For Work In Restricted Working Space, Add* | *3.24* | |
| 22 07 19 00-0727 | LF | 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 17.35 | 4.25 |
| | | *For Single Layer Of Felt Finish, Add* | *0.60* | |
| | | *For Work In Restricted Working Space, Add* | *3.48* | |
| 22 07 19 00-0728 | LF | 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 20.12 | 4.93 |
| | | *For Single Layer Of Felt Finish, Add* | *0.74* | |
| | | *For Work In Restricted Working Space, Add* | *3.93* | |
| 22 07 19 00-0729 | LF | 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 25.06 | 5.51 |
| | | *For Single Layer Of Felt Finish, Add* | *1.05* | |
| | | *For Work In Restricted Working Space, Add* | *4.51* | |
| 22 07 19 00-0730 | LF | 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 29.46 | 6.55 |
| | | *For Single Layer Of Felt Finish, Add* | *1.23* | |
| | | *For Work In Restricted Working Space, Add* | *5.33* | |
| 22 07 19 00-0731 | LF | 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 33.79 | 7.46 |
| | | *For Single Layer Of Felt Finish, Add* | *1.40* | |
| | | *For Work In Restricted Working Space, Add* | *6.15* | |
| 22 07 19 00-0732 | LF | 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 36.62 | 8.15 |
| | | *For Single Layer Of Felt Finish, Add* | *1.62* | |
| | | *For Work In Restricted Working Space, Add* | *6.37* | |

## 22 07 19 00-0733 1-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0734 | LF | 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 14.51 | 3.54 |
| | | *For Single Layer Of Felt Finish, Add* | *0.49* | |
| | | *For Work In Restricted Working Space, Add* | *2.95* | |
| 22 07 19 00-0735 | LF | 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 14.72 | 3.54 |
| | | *For Single Layer Of Felt Finish, Add* | *0.51* | |
| | | *For Work In Restricted Working Space, Add* | *2.95* | |
| 22 07 19 00-0736 | LF | 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 15.55 | 3.76 |
| | | *For Single Layer Of Felt Finish, Add* | *0.54* | |
| | | *For Work In Restricted Working Space, Add* | *3.12* | |
| 22 07 19 00-0737 | LF | 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 16.13 | 3.84 |
| | | *For Single Layer Of Felt Finish, Add* | *0.58* | |
| | | *For Work In Restricted Working Space, Add* | *3.18* | |
| 22 07 19 00-0738 | LF | 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 16.63 | 3.91 |
| | | *For Single Layer Of Felt Finish, Add* | *0.61* | |
| | | *For Work In Restricted Working Space, Add* | *3.24* | |
| 22 07 19 00-0739 | LF | 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 17.75 | 4.11 |
| | | *For Single Layer Of Felt Finish, Add* | *0.67* | |
| | | *For Work In Restricted Working Space, Add* | *3.42* | |
| 22 07 19 00-0740 | LF | 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 18.58 | 4.18 |
| | | *For Single Layer Of Felt Finish, Add* | *0.73* | |
| | | *For Work In Restricted Working Space, Add* | *3.48* | |
| 22 07 19 00-0741 | LF | 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 19.18 | 4.33 |
| | | *For Single Layer Of Felt Finish, Add* | *0.76* | |
| | | *For Work In Restricted Working Space, Add* | *3.59* | |
| 22 07 19 00-0742 | LF | 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 21.21 | 4.68 |
| | | *For Single Layer Of Felt Finish, Add* | *0.87* | |
| | | *For Work In Restricted Working Space, Add* | *3.89* | |
| 22 07 19 00-0743 | LF | 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 24.54 | 5.47 |
| | | *For Single Layer Of Felt Finish, Add* | *0.99* | |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| 22 07 19 00-0744 | LF | 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 27.76 | 5.76 |
| | | *For Single Layer Of Felt Finish, Add* | *1.24* | |
| | | *For Work In Restricted Working Space, Add* | *4.79* | |
| 22 07 19 00-0745 | LF | 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 33.98 | 6.90 |
| | | *For Single Layer Of Felt Finish, Add* | *1.56* | |
| | | *For Work In Restricted Working Space, Add* | *5.73* | |
| 22 07 19 00-0746 | LF | 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 38.44 | 8.04 |
| | | *For Single Layer Of Felt Finish, Add* | *1.70* | |
| | | *For Work In Restricted Working Space, Add* | *6.68* | |
| 22 07 19 00-0747 | LF | 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 43.13 | 8.80 |
| | | *For Single Layer Of Felt Finish, Add* | *1.97* | |
| | | *For Work In Restricted Working Space, Add* | *7.32* | |

## 22 07 19 00-0748 2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0749 | LF | 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 18.13 | 3.91 |
| | | *For Single Layer Of Felt Finish, Add* | *0.77* | |
| | | *For Work In Restricted Working Space, Add* | *3.24* | |
| 22 07 19 00-0750 | LF | 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 18.38 | 3.91 |
| | | *For Single Layer Of Felt Finish, Add* | *0.80* | |
| | | *For Work In Restricted Working Space, Add* | *3.24* | |
| 22 07 19 00-0751 | LF | 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 19.05 | 4.02 |
| | | *For Single Layer Of Felt Finish, Add* | *0.85* | |
| | | *For Work In Restricted Working Space, Add* | *3.28* | |
| 22 07 19 00-0752 | LF | 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 19.64 | 4.02 |
| | | *For Single Layer Of Felt Finish, Add* | *0.90* | |
| | | *For Work In Restricted Working Space, Add* | *3.32* | |
| 22 07 19 00-0753 | LF | 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 20.27 | 4.13 |
| | | *For Single Layer Of Felt Finish, Add* | *0.95* | |
| | | *For Work In Restricted Working Space, Add* | *3.36* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0754 | LF | 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 21.03 | 4.25 |
| | | *For Single Layer Of Felt Finish, Add* | *0.99* | |
| | | *For Work In Restricted Working Space, Add* | *3.48* | |
| 22 07 19 00-0755 | LF | 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 22.14 | 4.36 |
| | | *For Single Layer Of Felt Finish, Add* | *1.06* | |
| | | *For Work In Restricted Working Space, Add* | *3.61* | |
| 22 07 19 00-0756 | LF | 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 23.35 | 4.59 |
| | | *For Single Layer Of Felt Finish, Add* | *1.15* | |
| | | *For Work In Restricted Working Space, Add* | *3.73* | |
| 22 07 19 00-0757 | LF | 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 25.62 | 4.82 |
| | | *For Single Layer Of Felt Finish, Add* | *1.31* | |
| | | *For Work In Restricted Working Space, Add* | *3.94* | |
| 22 07 19 00-0758 | LF | 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 30.26 | 5.66 |
| | | *For Single Layer Of Felt Finish, Add* | *1.52* | |
| | | *For Work In Restricted Working Space, Add* | *4.72* | |
| 22 07 19 00-0759 | LF | 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 34.55 | 5.98 |
| | | *For Single Layer Of Felt Finish, Add* | *1.88* | |
| | | *For Work In Restricted Working Space, Add* | *4.98* | |
| 22 07 19 00-0760 | LF | 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 41.35 | 7.15 |
| | | *For Single Layer Of Felt Finish, Add* | *2.25* | |
| | | *For Work In Restricted Working Space, Add* | *5.96* | |
| 22 07 19 00-0761 | LF | 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 47.38 | 8.57 |
| | | *For Single Layer Of Felt Finish, Add* | *2.48* | |
| | | *For Work In Restricted Working Space, Add* | *7.14* | |
| 22 07 19 00-0762 | LF | 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 59.88 | 9.35 |
| | | *For Single Layer Of Felt Finish, Add* | *2.80* | |
| | | *For Work In Restricted Working Space, Add* | *9.97* | |
| 22 07 19 00-0763 | LF | 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 63.58 | 10.97 |
| | | *For Single Layer Of Felt Finish, Add* | *3.19* | |
| | | *For Work In Restricted Working Space, Add* | *9.97* | |
| 22 07 19 00-0764 | LF | 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 70.95 | 11.51 |
| | | *For Single Layer Of Felt Finish, Add* | *3.79* | |
| | | *For Work In Restricted Working Space, Add* | *10.46* | |
| 22 07 19 00-0765 | LF | 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 80.35 | 13.15 |
| | | *For Single Layer Of Felt Finish, Add* | *4.25* | |
| | | *For Work In Restricted Working Space, Add* | *11.96* | |
| 22 07 19 00-0766 | LF | 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 93.04 | 15.90 |
| | | *For Single Layer Of Felt Finish, Add* | *4.71* | |
| | | *For Work In Restricted Working Space, Add* | *14.45* | |

## 22 07 19 00-0767 2-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0768 | LF | 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 22.67 | 4.59 |
| | | *For Single Layer Of Felt Finish, Add* | *1.07* | |
| | | *For Work In Restricted Working Space, Add* | *3.74* | |
| 22 07 19 00-0769 | LF | 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 23.02 | 4.59 |
| | | *For Single Layer Of Felt Finish, Add* | *1.11* | |
| | | *For Work In Restricted Working Space, Add* | *3.74* | |
| 22 07 19 00-0770 | LF | 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 23.98 | 4.59 |
| | | *For Single Layer Of Felt Finish, Add* | *1.19* | |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| 22 07 19 00-0771 | LF | 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 24.71 | 4.70 |
| | | *For Single Layer Of Felt Finish, Add* | *1.26* | |
| | | *For Work In Restricted Working Space, Add* | *3.83* | |
| 22 07 19 00-0772 | LF | 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 25.46 | 4.70 |
| | | *For Single Layer Of Felt Finish, Add* | *1.33* | |
| | | *For Work In Restricted Working Space, Add* | *3.85* | |
| 22 07 19 00-0773 | LF | 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 26.51 | 4.93 |
| | | *For Single Layer Of Felt Finish, Add* | *1.38* | |
| | | *For Work In Restricted Working Space, Add* | *4.01* | |
| 22 07 19 00-0774 | LF | 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 28.06 | 5.05 |
| | | *For Single Layer Of Felt Finish, Add* | *1.49* | |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| 22 07 19 00-0775 | LF | 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 29.46 | 5.28 |
| | | *For Single Layer Of Felt Finish, Add* | *1.59* | |
| | | *For Work In Restricted Working Space, Add* | *4.30* | |
| 22 07 19 00-0776 | LF | 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 32.71 | 5.51 |
| | | *For Single Layer Of Felt Finish, Add* | *1.85* | |
| | | *For Work In Restricted Working Space, Add* | *4.53* | |
| 22 07 19 00-0777 | LF | 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 37.54 | 5.85 |
| | | *For Single Layer Of Felt Finish, Add* | *2.14* | |
| | | *For Work In Restricted Working Space, Add* | *5.15* | |
| 22 07 19 00-0778 | LF | 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 50.84 | 7.00 |
| | | *For Single Layer Of Felt Finish, Add* | *3.33* | |
| | | *For Work In Restricted Working Space, Add* | *5.74* | |
| 22 07 19 00-0779 | LF | 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 60.86 | 8.04 |
| | | *For Single Layer Of Felt Finish, Add* | *4.07* | |
| | | *For Work In Restricted Working Space, Add* | *6.62* | |
| 22 07 19 00-0780 | LF | 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 68.74 | 9.99 |
| | | *For Single Layer Of Felt Finish, Add* | *4.34* | |
| | | *For Work In Restricted Working Space, Add* | *8.23* | |
| 22 07 19 00-0781 | LF | 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 77.93 | 11.02 |
| | | *For Single Layer Of Felt Finish, Add* | *5.04* | |
| | | *For Work In Restricted Working Space, Add* | *8.98* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0782 | LF | 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 91.14 | 14.01 |
| | | *For Single Layer Of Felt Finish, Add* | *5.55* | |
| | | *For Work In Restricted Working Space, Add* | *11.48* | |
| 22 07 19 00-0783 | LF | 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 98.20 | 14.69 |
| | | *For Single Layer Of Felt Finish, Add* | *6.09* | |
| | | *For Work In Restricted Working Space, Add* | *12.05* | |
| 22 07 19 00-0784 | LF | 20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 111.39 | 16.76 |
| | | *For Single Layer Of Felt Finish, Add* | *6.87* | |
| | | *For Work In Restricted Working Space, Add* | *13.78* | |
| 22 07 19 00-0785 | LF | 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 130.73 | 20.25 |
| | | *For Single Layer Of Felt Finish, Add* | *7.90* | |
| | | *For Work In Restricted Working Space, Add* | *16.64* | |

## 22 07 19 00-0786 3" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0787 | LF | 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 24.98 | 5.08 |
| | | *For Single Layer Of Felt Finish, Add* | *1.18* | |
| | | *For Work In Restricted Working Space, Add* | *4.13* | |
| 22 07 19 00-0788 | LF | 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 25.36 | 5.08 |
| | | *For Single Layer Of Felt Finish, Add* | *1.22* | |
| | | *For Work In Restricted Working Space, Add* | *4.13* | |
| 22 07 19 00-0789 | LF | 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 26.36 | 5.12 |
| | | *For Single Layer Of Felt Finish, Add* | *1.31* | |
| | | *For Work In Restricted Working Space, Add* | *4.18* | |
| 22 07 19 00-0790 | LF | 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 27.14 | 5.16 |
| | | *For Single Layer Of Felt Finish, Add* | *1.38* | |
| | | *For Work In Restricted Working Space, Add* | *4.21* | |
| 22 07 19 00-0791 | LF | 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 28.02 | 5.22 |
| | | *For Single Layer Of Felt Finish, Add* | *1.45* | |
| | | *For Work In Restricted Working Space, Add* | *4.25* | |
| 22 07 19 00-0792 | LF | 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 29.12 | 5.41 |
| | | *For Single Layer Of Felt Finish, Add* | *1.52* | |
| | | *For Work In Restricted Working Space, Add* | *4.41* | |
| 22 07 19 00-0793 | LF | 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 30.81 | 5.59 |
| | | *For Single Layer Of Felt Finish, Add* | *1.64* | |
| | | *For Work In Restricted Working Space, Add* | *4.56* | |
| 22 07 19 00-0794 | LF | 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 32.35 | 5.80 |
| | | *For Single Layer Of Felt Finish, Add* | *1.74* | |
| | | *For Work In Restricted Working Space, Add* | *4.72* | |
| 22 07 19 00-0795 | LF | 4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 35.95 | 6.12 |
| | | *For Single Layer Of Felt Finish, Add* | *2.03* | |
| | | *For Work In Restricted Working Space, Add* | *4.99* | |
| 22 07 19 00-0796 | LF | 6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 41.24 | 6.95 |
| | | *For Single Layer Of Felt Finish, Add* | *2.35* | |
| | | *For Work In Restricted Working Space, Add* | *5.66* | |
| 22 07 19 00-0797 | LF | 8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 55.82 | 7.73 |
| | | *For Single Layer Of Felt Finish, Add* | *3.65* | |
| | | *For Work In Restricted Working Space, Add* | *6.31* | |
| 22 07 19 00-0798 | LF | 10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 66.86 | 8.93 |
| | | *For Single Layer Of Felt Finish, Add* | *4.47* | |
| | | *For Work In Restricted Working Space, Add* | *7.28* | |
| 22 07 19 00-0799 | LF | 12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 75.52 | 11.10 |
| | | *For Single Layer Of Felt Finish, Add* | *4.76* | |
| | | *For Work In Restricted Working Space, Add* | *9.05* | |
| 22 07 19 00-0800 | LF | 14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 85.60 | 12.12 |
| | | *For Single Layer Of Felt Finish, Add* | *5.53* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| 22 07 19 00-0801 | LF | 16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 100.12 | 15.49 |
| | | *For Single Layer Of Felt Finish, Add* | *6.09* | |
| | | *For Work In Restricted Working Space, Add* | *12.62* | |
| 22 07 19 00-0802 | LF | 18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 107.88 | 16.26 |
| | | *For Single Layer Of Felt Finish, Add* | *6.69* | |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 07 19 00-0803 | LF | 20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 122.38 | 18.60 |
| | | *For Single Layer Of Felt Finish, Add* | *7.54* | |
| | | *For Work In Restricted Working Space, Add* | *15.16* | |
| 22 07 19 00-0804 | LF | 24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 143.63 | 22.45 |
| | | *For Single Layer Of Felt Finish, Add* | *8.67* | |
| | | *For Work In Restricted Working Space, Add* | *18.31* | |

## 22 07 19 00-0805 3-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0806 | LF | 1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 26.89 | 5.51 |
| | | *For Single Layer Of Felt Finish, Add* | *1.24* | |
| | | *For Work In Restricted Working Space, Add* | *4.53* | |
| 22 07 19 00-0807 | LF | 3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 27.33 | 5.51 |
| | | *For Single Layer Of Felt Finish, Add* | *1.28* | |
| | | *For Work In Restricted Working Space, Add* | *4.53* | |
| 22 07 19 00-0808 | LF | 1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 28.79 | 5.51 |
| | | *For Single Layer Of Felt Finish, Add* | *1.43* | |
| | | *For Work In Restricted Working Space, Add* | *4.56* | |
| 22 07 19 00-0809 | LF | 1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 29.63 | 5.63 |
| | | *For Single Layer Of Felt Finish, Add* | *1.50* | |
| | | *For Work In Restricted Working Space, Add* | *4.59* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0810 | LF | 1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 30.63 | 5.63 |
| | | *For Single Layer Of Felt Finish, Add* | *1.59* | |
| | | *For Work In Restricted Working Space, Add* | *4.65* | |
| 22 07 19 00-0811 | LF | 2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 31.78 | 5.85 |
| | | *For Single Layer Of Felt Finish, Add* | *1.66* | |
| | | *For Work In Restricted Working Space, Add* | *4.80* | |
| 22 07 19 00-0812 | LF | 2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 33.63 | 6.08 |
| | | *For Single Layer Of Felt Finish, Add* | *1.79* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 07 19 00-0813 | LF | 3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 35.20 | 6.31 |
| | | *For Single Layer Of Felt Finish, Add* | *1.89* | |
| | | *For Work In Restricted Working Space, Add* | *5.15* | |
| 22 07 19 00-0814 | LF | 4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 39.29 | 6.66 |
| | | *For Single Layer Of Felt Finish, Add* | *2.22* | |
| | | *For Work In Restricted Working Space, Add* | *5.44* | |
| 22 07 19 00-0815 | LF | 6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 45.03 | 7.57 |
| | | *For Single Layer Of Felt Finish, Add* | *2.57* | |
| | | *For Work In Restricted Working Space, Add* | *6.18* | |
| 22 07 19 00-0816 | LF | 8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 60.97 | 8.38 |
| | | *For Single Layer Of Felt Finish, Add* | *3.99* | |
| | | *For Work In Restricted Working Space, Add* | *6.88* | |
| 22 07 19 00-0817 | LF | 10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 73.03 | 9.65 |
| | | *For Single Layer Of Felt Finish, Add* | *4.89* | |
| | | *For Work In Restricted Working Space, Add* | *7.94* | |
| 22 07 19 00-0818 | LF | 12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 82.48 | 12.05 |
| | | *For Single Layer Of Felt Finish, Add* | *5.20* | |
| | | *For Work In Restricted Working Space, Add* | *9.87* | |
| 22 07 19 00-0819 | LF | 14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 93.53 | 13.20 |
| | | *For Single Layer Of Felt Finish, Add* | *6.05* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 22 07 19 00-0820 | LF | 16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 109.39 | 16.76 |
| | | *For Single Layer Of Felt Finish, Add* | *6.67* | |
| | | *For Work In Restricted Working Space, Add* | *13.77* | |
| 22 07 19 00-0821 | LF | 18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 117.83 | 17.67 |
| | | *For Single Layer Of Felt Finish, Add* | *7.31* | |
| | | *For Work In Restricted Working Space, Add* | *14.46* | |
| 22 07 19 00-0822 | LF | 20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 133.72 | 20.20 |
| | | *For Single Layer Of Felt Finish, Add* | *8.25* | |
| | | *For Work In Restricted Working Space, Add* | *16.54* | |
| 22 07 19 00-0823 | LF | 24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 156.90 | 24.34 |
| | | *For Single Layer Of Felt Finish, Add* | *9.48* | |
| | | *For Work In Restricted Working Space, Add* | *19.97* | |

## 22 07 19 00-0824 4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0825 | LF | 1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 30.54 | 6.20 |
| | | *For Single Layer Of Felt Finish, Add* | *1.45* | |
| | | *For Work In Restricted Working Space, Add* | *5.03* | |
| 22 07 19 00-0826 | LF | 3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 31.03 | 6.20 |
| | | *For Single Layer Of Felt Finish, Add* | *1.50* | |
| | | *For Work In Restricted Working Space, Add* | *5.03* | |
| 22 07 19 00-0827 | LF | 1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 32.34 | 6.20 |
| | | *For Single Layer Of Felt Finish, Add* | *1.60* | |
| | | *For Work In Restricted Working Space, Add* | *5.12* | |
| 22 07 19 00-0828 | LF | 1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 33.41 | 6.31 |
| | | *For Single Layer Of Felt Finish, Add* | *1.70* | |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| 22 07 19 00-0829 | LF | 1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 34.82 | 6.55 |
| | | *For Single Layer Of Felt Finish, Add* | *1.79* | |
| | | *For Work In Restricted Working Space, Add* | *5.34* | |
| 22 07 19 00-0830 | LF | 2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 36.11 | 6.78 |
| | | *For Single Layer Of Felt Finish, Add* | *1.86* | |
| | | *For Work In Restricted Working Space, Add* | *5.51* | |
| 22 07 19 00-0831 | LF | 2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 37.83 | 6.78 |
| | | *For Single Layer Of Felt Finish, Add* | *2.01* | |
| | | *For Work In Restricted Working Space, Add* | *5.59* | |
| 22 07 19 00-0832 | LF | 3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 39.77 | 7.12 |
| | | *For Single Layer Of Felt Finish, Add* | *2.15* | |
| | | *For Work In Restricted Working Space, Add* | *5.80* | |
| 22 07 19 00-0833 | LF | 4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 44.16 | 7.46 |
| | | *For Single Layer Of Felt Finish, Add* | *2.50* | |
| | | *For Work In Restricted Working Space, Add* | *6.12* | |
| 22 07 19 00-0834 | LF | 6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 50.65 | 8.50 |
| | | *For Single Layer Of Felt Finish, Add* | *2.89* | |
| | | *For Work In Restricted Working Space, Add* | *6.94* | |
| 22 07 19 00-0835 | LF | 8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 68.60 | 9.18 |
| | | *For Single Layer Of Felt Finish, Add* | *4.49* | |
| | | *For Work In Restricted Working Space, Add* | *7.74* | |
| 22 07 19 00-0836 | LF | 10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 82.17 | 10.91 |
| | | *For Single Layer Of Felt Finish, Add* | *5.50* | |
| | | *For Work In Restricted Working Space, Add* | *8.94* | |
| 22 07 19 00-0837 | LF | 12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 92.81 | 13.54 |
| | | *For Single Layer Of Felt Finish, Add* | *5.86* | |
| | | *For Work In Restricted Working Space, Add* | *11.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0838 | LF | 14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 105.25 | 14.80 |
| | | *For Single Layer Of Felt Finish, Add* | *6.81* | |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 07 19 00-0839 | LF | 16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 123.12 | 18.94 |
| | | *For Single Layer Of Felt Finish, Add* | *7.50* | |
| | | *For Work In Restricted Working Space, Add* | *15.51* | |
| 22 07 19 00-0840 | LF | 18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 132.52 | 19.86 |
| | | *For Single Layer Of Felt Finish, Add* | *8.23* | |
| | | *For Work In Restricted Working Space, Add* | *16.25* | |
| 22 07 19 00-0841 | LF | 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 148.38 | 22.73 |
| | | *For Single Layer Of Felt Finish, Add* | *9.07* | |
| | | *For Work In Restricted Working Space, Add* | *18.60* | |
| 22 07 19 00-0842 | LF | 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 176.54 | 27.43 |
| | | *For Single Layer Of Felt Finish, Add* | *10.67* | |
| | | *For Work In Restricted Working Space, Add* | *22.48* | |
| 22 07 19 00-0843 | LF | 26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 201.04 | 32.36 |
| | | *For Single Layer Of Felt Finish, Add* | *11.84* | |
| | | *For Work In Restricted Working Space, Add* | *26.49* | |
| 22 07 19 00-0844 | LF | 28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 225.79 | 38.10 |
| | | *For Single Layer Of Felt Finish, Add* | *12.79* | |
| | | *For Work In Restricted Working Space, Add* | *31.19* | |
| 22 07 19 00-0845 | LF | 30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 253.50 | 44.99 |
| | | *For Single Layer Of Felt Finish, Add* | *13.69* | |
| | | *For Work In Restricted Working Space, Add* | *36.95* | |
| 22 07 19 00-0846 | LF | 36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 304.68 | 57.20 |
| | | *For Single Layer Of Felt Finish, Add* | *15.55* | |
| | | *For Work In Restricted Working Space, Add* | *46.98* | |
| 22 07 19 00-0847 | LF | 42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 355.86 | 69.67 |
| | | *For Single Layer Of Felt Finish, Add* | *17.41* | |
| | | *For Work In Restricted Working Space, Add* | *57.01* | |
| 22 07 19 00-0848 | LF | 44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 381.69 | 76.56 |
| | | *For Single Layer Of Felt Finish, Add* | *18.08* | |
| | | *For Work In Restricted Working Space, Add* | *62.84* | |
| 22 07 19 00-0849 | LF | 46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) | 405.10 | 82.41 |
| | | *For Single Layer Of Felt Finish, Add* | *18.81* | |
| | | *For Work In Restricted Working Space, Add* | *67.79* | |

## 22 07 19 00-0850 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

### 22 07 19 00-0851 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0852 | LF | 1/2" Diameter Pipe, 1" Thick Foamglas Insulation | 20.33 | 5.60 |
| | | *For Work In Restricted Working Space, Add* | *5.09* | |
| 22 07 19 00-0853 | LF | 3/4" Diameter Pipe, 1" Thick Foamglas Insulation | 21.18 | 5.60 |
| | | *For Work In Restricted Working Space, Add* | *5.09* | |
| 22 07 19 00-0854 | LF | 1" Diameter Pipe, 1" Thick Foamglas Insulation | 22.29 | 5.68 |
| | | *For Work In Restricted Working Space, Add* | *5.16* | |
| 22 07 19 00-0855 | LF | 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation | 22.82 | 5.76 |
| | | *For Work In Restricted Working Space, Add* | *5.24* | |
| 22 07 19 00-0856 | LF | 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation | 23.64 | 5.84 |
| | | *For Work In Restricted Working Space, Add* | *5.31* | |
| 22 07 19 00-0857 | LF | 2" Diameter Pipe, 1" Thick Foamglas Insulation | 25.23 | 6.00 |
| | | *For Work In Restricted Working Space, Add* | *5.46* | |
| 22 07 19 00-0858 | LF | 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation | 27.19 | 6.25 |
| | | *For Work In Restricted Working Space, Add* | *5.69* | |
| 22 07 19 00-0859 | LF | 3" Diameter Pipe, 1" Thick Foamglas Insulation | 29.35 | 6.41 |
| | | *For Work In Restricted Working Space, Add* | *5.83* | |
| 22 07 19 00-0860 | LF | 4" Diameter Pipe, 1" Thick Foamglas Insulation | 33.97 | 6.90 |
| | | *For Work In Restricted Working Space, Add* | *6.27* | |
| 22 07 19 00-0861 | LF | 6" Diameter Pipe, 1" Thick Foamglas Insulation | 43.34 | 7.78 |
| | | *For Work In Restricted Working Space, Add* | *7.08* | |

### 22 07 19 00-0862 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0863 | LF | 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 24.14 | 6.21 |
| | | *For Work In Restricted Working Space, Add* | *5.46* | |
| 22 07 19 00-0864 | LF | 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 24.68 | 6.21 |
| | | *For Work In Restricted Working Space, Add* | *5.46* | |
| 22 07 19 00-0865 | LF | 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 25.47 | 6.29 |
| | | *For Work In Restricted Working Space, Add* | *5.54* | |
| 22 07 19 00-0866 | LF | 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 26.09 | 6.37 |
| | | *For Work In Restricted Working Space, Add* | *5.61* | |
| 22 07 19 00-0867 | LF | 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 26.68 | 6.45 |
| | | *For Work In Restricted Working Space, Add* | *5.68* | |
| 22 07 19 00-0868 | LF | 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 28.97 | 6.67 |
| | | *For Work In Restricted Working Space, Add* | *5.87* | |
| 22 07 19 00-0869 | LF | 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 32.86 | 6.92 |
| | | *For Work In Restricted Working Space, Add* | *6.09* | |
| 22 07 19 00-0870 | LF | 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 36.34 | 7.13 |
| | | *For Work In Restricted Working Space, Add* | *6.27* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0871 | LF | 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 41.20 | 7.58 |
| | | *For Work In Restricted Working Space, Add* | *6.68* | |
| 22 07 19 00-0872 | LF | 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 48.56 | 8.60 |
| | | *For Work In Restricted Working Space, Add* | *7.56* | |
| 22 07 19 00-0873 | LF | 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 54.32 | 9.59 |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 07 19 00-0874 | LF | 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 65.96 | 11.06 |
| | | *For Work In Restricted Working Space, Add* | *9.72* | |
| 22 07 19 00-0875 | LF | 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 78.19 | 13.73 |
| | | *For Work In Restricted Working Space, Add* | *12.08* | |
| 22 07 19 00-0876 | LF | 14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 86.93 | 14.45 |
| | | *For Work In Restricted Working Space, Add* | *13.13* | |
| 22 07 19 00-0877 | LF | 16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 95.66 | 16.14 |
| | | *For Work In Restricted Working Space, Add* | *14.67* | |
| 22 07 19 00-0878 | LF | 18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 108.32 | 19.09 |
| | | *For Work In Restricted Working Space, Add* | *17.36* | |
| 22 07 19 00-0879 | LF | 20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation | 121.04 | 21.14 |
| | | *For Work In Restricted Working Space, Add* | *19.22* | |
| 22 07 19 00-0880 | LF | 24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation | 151.49 | 23.41 |
| | | *For Work In Restricted Working Space, Add* | *21.29* | |

## 22 07 19 00-0881 2" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0882 | LF | 1/2" Diameter Pipe, 2" Thick Foamglas Insulation | 27.18 | 6.41 |
| | | *For Work In Restricted Working Space, Add* | *5.83* | |
| 22 07 19 00-0883 | LF | 3/4" Diameter Pipe, 2" Thick Foamglas Insulation | 28.02 | 6.41 |
| | | *For Work In Restricted Working Space, Add* | *5.83* | |
| 22 07 19 00-0884 | LF | 1" Diameter Pipe, 2" Thick Foamglas Insulation | 29.09 | 6.48 |
| | | *For Work In Restricted Working Space, Add* | *5.90* | |
| 22 07 19 00-0885 | LF | 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation | 30.65 | 6.58 |
| | | *For Work In Restricted Working Space, Add* | *5.98* | |
| 22 07 19 00-0886 | LF | 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation | 32.23 | 6.66 |
| | | *For Work In Restricted Working Space, Add* | *6.05* | |
| 22 07 19 00-0887 | LF | 2" Diameter Pipe, 2" Thick Foamglas Insulation | 36.09 | 6.90 |
| | | *For Work In Restricted Working Space, Add* | *6.27* | |
| 22 07 19 00-0888 | LF | 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation | 37.87 | 7.15 |
| | | *For Work In Restricted Working Space, Add* | *6.50* | |
| 22 07 19 00-0889 | LF | 3" Diameter Pipe, 2" Thick Foamglas Insulation | 40.67 | 7.38 |
| | | *For Work In Restricted Working Space, Add* | *6.71* | |
| 22 07 19 00-0890 | LF | 4" Diameter Pipe, 2" Thick Foamglas Insulation | 45.86 | 7.79 |
| | | *For Work In Restricted Working Space, Add* | *7.08* | |
| 22 07 19 00-0891 | LF | 6" Diameter Pipe, 2" Thick Foamglas Insulation | 54.92 | 8.85 |
| | | *For Work In Restricted Working Space, Add* | *8.04* | |
| 22 07 19 00-0892 | LF | 8" Diameter Pipe, 2" Thick Foamglas Insulation | 61.13 | 9.87 |
| | | *For Work In Restricted Working Space, Add* | *8.97* | |
| 22 07 19 00-0893 | LF | 10" Diameter Pipe, 2" Thick Foamglas Insulation | 74.49 | 11.38 |
| | | *For Work In Restricted Working Space, Add* | *10.34* | |
| 22 07 19 00-0894 | LF | 12" Diameter Pipe, 2" Thick Foamglas Insulation | 92.26 | 14.14 |
| | | *For Work In Restricted Working Space, Add* | *12.86* | |
| 22 07 19 00-0895 | LF | 14" Diameter Pipe, 2" Thick Foamglas Insulation | 98.52 | 15.44 |
| | | *For Work In Restricted Working Space, Add* | *14.03* | |
| 22 07 19 00-0896 | LF | 16" Diameter Pipe, 2" Thick Foamglas Insulation | 116.26 | 19.73 |
| | | *For Work In Restricted Working Space, Add* | *17.94* | |
| 22 07 19 00-0897 | LF | 18" Diameter Pipe, 2" Thick Foamglas Insulation | 126.87 | 20.71 |
| | | *For Work In Restricted Working Space, Add* | *18.83* | |
| 22 07 19 00-0898 | LF | 20" Diameter Pipe, 2" Thick Foamglas Insulation | 140.24 | 23.68 |
| | | *For Work In Restricted Working Space, Add* | *21.53* | |
| 22 07 19 00-0899 | LF | 24" Diameter Pipe, 2" Thick Foamglas Insulation | 176.07 | 28.61 |
| | | *For Work In Restricted Working Space, Add* | *26.01* | |

## 22 07 19 00-0900 2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0901 | LF | 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 33.14 | 6.96 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 07 19 00-0902 | LF | 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 34.55 | 6.95 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 07 19 00-0903 | LF | 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 36.33 | 7.06 |
| | | *For Work In Restricted Working Space, Add* | *6.42* | |
| 22 07 19 00-0904 | LF | 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 37.92 | 7.12 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| 22 07 19 00-0905 | LF | 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 39.52 | 7.17 |
| | | *For Work In Restricted Working Space, Add* | *6.52* | |
| 22 07 19 00-0906 | LF | 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 42.40 | 7.46 |
| | | *For Work In Restricted Working Space, Add* | *6.79* | |
| 22 07 19 00-0907 | LF | 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 45.15 | 7.72 |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 22 07 19 00-0908 | LF | 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 49.09 | 7.99 |
| | | *For Work In Restricted Working Space, Add* | *7.27* | |
| 22 07 19 00-0909 | LF | 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 55.11 | 8.43 |
| | | *For Work In Restricted Working Space, Add* | *7.66* | |
| 22 07 19 00-0910 | LF | 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 65.97 | 9.59 |
| | | *For Work In Restricted Working Space, Add* | *8.71* | |
| 22 07 19 00-0911 | LF | 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 73.51 | 10.68 |
| | | *For Work In Restricted Working Space, Add* | *9.71* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0912 | LF | 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 83.85 | 12.31 |
| | | *For Work In Restricted Working Space, Add* | *11.20* | |
| 22 07 19 00-0913 | LF | 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 104.41 | 15.32 |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| 22 07 19 00-0914 | LF | 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 108.75 | 16.72 |
| | | *For Work In Restricted Working Space, Add* | *15.20* | |
| 22 07 19 00-0915 | LF | 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 127.94 | 21.36 |
| | | *For Work In Restricted Working Space, Add* | *19.42* | |
| 22 07 19 00-0916 | LF | 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 139.26 | 22.42 |
| | | *For Work In Restricted Working Space, Add* | *20.39* | |
| 22 07 19 00-0917 | LF | 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 160.15 | 25.63 |
| | | *For Work In Restricted Working Space, Add* | *23.31* | |
| 22 07 19 00-0918 | LF | 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation | 200.76 | 30.98 |
| | | *For Work In Restricted Working Space, Add* | *28.16* | |

## 22 07 19 00-0919 3" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0920 | LF | 1/2" Diameter Pipe, 3" Thick Foamglas Insulation | 40.20 | 7.39 |
| | | *For Work In Restricted Working Space, Add* | *6.72* | |
| 22 07 19 00-0921 | LF | 3/4" Diameter Pipe, 3" Thick Foamglas Insulation | 41.06 | 7.39 |
| | | *For Work In Restricted Working Space, Add* | *6.72* | |
| 22 07 19 00-0922 | LF | 1" Diameter Pipe, 3" Thick Foamglas Insulation | 42.29 | 7.52 |
| | | *For Work In Restricted Working Space, Add* | *6.83* | |
| 22 07 19 00-0923 | LF | 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation | 43.30 | 7.56 |
| | | *For Work In Restricted Working Space, Add* | *6.88* | |
| 22 07 19 00-0924 | LF | 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation | 44.36 | 7.63 |
| | | *For Work In Restricted Working Space, Add* | *6.94* | |
| 22 07 19 00-0925 | LF | 2" Diameter Pipe, 3" Thick Foamglas Insulation | 47.72 | 7.94 |
| | | *For Work In Restricted Working Space, Add* | *7.22* | |
| 22 07 19 00-0926 | LF | 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation | 50.94 | 8.22 |
| | | *For Work In Restricted Working Space, Add* | *7.47* | |
| 22 07 19 00-0927 | LF | 3" Diameter Pipe, 3" Thick Foamglas Insulation | 58.04 | 8.51 |
| | | *For Work In Restricted Working Space, Add* | *7.73* | |
| 22 07 19 00-0928 | LF | 4" Diameter Pipe, 3" Thick Foamglas Insulation | 66.38 | 8.96 |
| | | *For Work In Restricted Working Space, Add* | *8.15* | |
| 22 07 19 00-0929 | LF | 6" Diameter Pipe, 3" Thick Foamglas Insulation | 72.61 | 10.19 |
| | | *For Work In Restricted Working Space, Add* | *9.26* | |
| 22 07 19 00-0930 | LF | 8" Diameter Pipe, 3" Thick Foamglas Insulation | 82.04 | 11.36 |
| | | *For Work In Restricted Working Space, Add* | *10.34* | |
| 22 07 19 00-0931 | LF | 10" Diameter Pipe, 3" Thick Foamglas Insulation | 97.96 | 13.11 |
| | | *For Work In Restricted Working Space, Add* | *11.91* | |
| 22 07 19 00-0932 | LF | 12" Diameter Pipe, 3" Thick Foamglas Insulation | 113.57 | 16.28 |
| | | *For Work In Restricted Working Space, Add* | *14.81* | |
| 22 07 19 00-0933 | LF | 14" Diameter Pipe, 3" Thick Foamglas Insulation | 121.54 | 17.78 |
| | | *For Work In Restricted Working Space, Add* | *16.16* | |
| 22 07 19 00-0934 | LF | 16" Diameter Pipe, 3" Thick Foamglas Insulation | 144.80 | 22.73 |
| | | *For Work In Restricted Working Space, Add* | *20.66* | |
| 22 07 19 00-0935 | LF | 18" Diameter Pipe, 3" Thick Foamglas Insulation | 155.10 | 23.86 |
| | | *For Work In Restricted Working Space, Add* | *21.69* | |
| 22 07 19 00-0936 | LF | 20" Diameter Pipe, 3" Thick Foamglas Insulation | 181.91 | 27.27 |
| | | *For Work In Restricted Working Space, Add* | *24.79* | |
| 22 07 19 00-0937 | LF | 24" Diameter Pipe, 3" Thick Foamglas Insulation | 222.47 | 32.96 |
| | | *For Work In Restricted Working Space, Add* | *29.96* | |

## 22 07 19 00-0938 3-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0939 | LF | 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 48.41 | 8.96 |
| | | *For Work In Restricted Working Space, Add* | *8.15* | |
| 22 07 19 00-0940 | LF | 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 49.49 | 8.96 |
| | | *For Work In Restricted Working Space, Add* | *8.15* | |
| 22 07 19 00-0941 | LF | 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 50.74 | 9.02 |
| | | *For Work In Restricted Working Space, Add* | *8.21* | |
| 22 07 19 00-0942 | LF | 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 51.98 | 9.08 |
| | | *For Work In Restricted Working Space, Add* | *8.26* | |
| 22 07 19 00-0943 | LF | 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 53.42 | 9.19 |
| | | *For Work In Restricted Working Space, Add* | *8.36* | |
| 22 07 19 00-0944 | LF | 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 58.90 | 9.52 |
| | | *For Work In Restricted Working Space, Add* | *8.65* | |
| 22 07 19 00-0945 | LF | 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 64.45 | 9.85 |
| | | *For Work In Restricted Working Space, Add* | *8.95* | |
| 22 07 19 00-0946 | LF | 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 68.11 | 10.19 |
| | | *For Work In Restricted Working Space, Add* | *9.26* | |
| 22 07 19 00-0947 | LF | 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 72.98 | 10.77 |
| | | *For Work In Restricted Working Space, Add* | *9.80* | |
| 22 07 19 00-0948 | LF | 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 84.05 | 12.23 |
| | | *For Work In Restricted Working Space, Add* | *11.12* | |
| 22 07 19 00-0949 | LF | 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 95.63 | 13.62 |
| | | *For Work In Restricted Working Space, Add* | *12.38* | |
| 22 07 19 00-0950 | LF | 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 114.52 | 15.73 |
| | | *For Work In Restricted Working Space, Add* | *14.30* | |
| 22 07 19 00-0951 | LF | 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 135.10 | 19.54 |
| | | *For Work In Restricted Working Space, Add* | *17.77* | |
| 22 07 19 00-0952 | LF | 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 140.71 | 21.34 |
| | | *For Work In Restricted Working Space, Add* | *19.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-0953 | LF | 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 168.27 | 27.27 |
| | | *For Work In Restricted Working Space, Add* | *24.79* | |
| 22 07 19 00-0954 | LF | 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 185.27 | 28.64 |
| | | *For Work In Restricted Working Space, Add* | *26.03* | |
| 22 07 19 00-0955 | LF | 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 210.90 | 32.75 |
| | | *For Work In Restricted Working Space, Add* | *29.78* | |
| 22 07 19 00-0956 | LF | 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation | 259.13 | 39.54 |
| | | *For Work In Restricted Working Space, Add* | *35.95* | |

### 22 07 19 00-0957 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0958 | LF | 1/2" Diameter Pipe, 4" Thick Foamglas Insulation | 58.93 | 11.02 |
| | | *For Work In Restricted Working Space, Add* | *10.01* | |
| 22 07 19 00-0959 | LF | 3/4" Diameter Pipe, 4" Thick Foamglas Insulation | 60.31 | 11.02 |
| | | *For Work In Restricted Working Space, Add* | *10.01* | |
| 22 07 19 00-0960 | LF | 1" Diameter Pipe, 4" Thick Foamglas Insulation | 62.27 | 11.21 |
| | | *For Work In Restricted Working Space, Add* | *10.19* | |
| 22 07 19 00-0961 | LF | 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation | 64.05 | 11.34 |
| | | *For Work In Restricted Working Space, Add* | *10.31* | |
| 22 07 19 00-0962 | LF | 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation | 66.52 | 11.70 |
| | | *For Work In Restricted Working Space, Add* | *10.63* | |
| 22 07 19 00-0963 | LF | 2" Diameter Pipe, 4" Thick Foamglas Insulation | 72.00 | 12.05 |
| | | *For Work In Restricted Working Space, Add* | *10.96* | |
| 22 07 19 00-0964 | LF | 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation | 76.94 | 12.24 |
| | | *For Work In Restricted Working Space, Add* | *11.13* | |
| 22 07 19 00-0965 | LF | 3" Diameter Pipe, 4" Thick Foamglas Insulation | 80.82 | 12.70 |
| | | *For Work In Restricted Working Space, Add* | *11.54* | |
| 22 07 19 00-0966 | LF | 4" Diameter Pipe, 4" Thick Foamglas Insulation | 88.26 | 14.15 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| 22 07 19 00-0967 | LF | 6" Diameter Pipe, 4" Thick Foamglas Insulation | 102.37 | 15.19 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| 22 07 19 00-0968 | LF | 8" Diameter Pipe, 4" Thick Foamglas Insulation | 115.76 | 16.48 |
| | | *For Work In Restricted Working Space, Add* | *14.98* | |
| 22 07 19 00-0969 | LF | 10" Diameter Pipe, 4" Thick Foamglas Insulation | 132.40 | 19.59 |
| | | *For Work In Restricted Working Space, Add* | *17.80* | |
| 22 07 19 00-0970 | LF | 12" Diameter Pipe, 4" Thick Foamglas Insulation | 154.32 | 24.32 |
| | | *For Work In Restricted Working Space, Add* | *22.11* | |
| 22 07 19 00-0971 | LF | 14" Diameter Pipe, 4" Thick Foamglas Insulation | 167.77 | 26.56 |
| | | *For Work In Restricted Working Space, Add* | *24.15* | |
| 22 07 19 00-0972 | LF | 16" Diameter Pipe, 4" Thick Foamglas Insulation | 198.52 | 33.96 |
| | | *For Work In Restricted Working Space, Add* | *30.88* | |
| 22 07 19 00-0973 | LF | 18" Diameter Pipe, 4" Thick Foamglas Insulation | 221.42 | 35.60 |
| | | *For Work In Restricted Working Space, Add* | *32.36* | |
| 22 07 19 00-0974 | LF | 20" Diameter Pipe, 4" Thick Foamglas Insulation | 248.00 | 40.73 |
| | | *For Work In Restricted Working Space, Add* | *37.03* | |
| 22 07 19 00-0975 | LF | 24" Diameter Pipe, 4" Thick Foamglas Insulation | 315.18 | 49.22 |
| | | *For Work In Restricted Working Space, Add* | *44.74* | |

### 22 07 19 00-0976 Polyisocyanurate Pipe Insulation *(22 07 19)*

Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

### 22 07 19 00-0977 1/2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0976)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0978 | LF | 1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 10.58 | 2.64 |
| 22 07 19 00-0979 | LF | 3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 11.77 | 2.76 |
| 22 07 19 00-0980 | LF | 1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 12.42 | 2.98 |
| 22 07 19 00-0981 | LF | 1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 13.09 | 3.10 |
| 22 07 19 00-0982 | LF | 1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 13.51 | 3.10 |
| 22 07 19 00-0983 | LF | 2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 14.29 | 3.21 |
| 22 07 19 00-0984 | LF | 2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 15.35 | 3.33 |
| 22 07 19 00-0985 | LF | 3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 16.39 | 3.55 |
| 22 07 19 00-0986 | LF | 4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 19.30 | 4.25 |
| 22 07 19 00-0987 | LF | 6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 23.17 | 4.82 |
| 22 07 19 00-0988 | LF | 8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 27.44 | 5.63 |
| 22 07 19 00-0989 | LF | 10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 31.02 | 6.08 |
| 22 07 19 00-0990 | LF | 12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation | 36.80 | 7.46 |

### 22 07 19 00-0991 1" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0976)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-0992 | LF | 1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 12.53 | 2.76 |
| 22 07 19 00-0993 | LF | 3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 14.18 | 2.98 |
| 22 07 19 00-0994 | LF | 1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 14.97 | 3.10 |
| 22 07 19 00-0995 | LF | 1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 15.83 | 3.21 |
| 22 07 19 00-0996 | LF | 1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 16.54 | 3.33 |
| 22 07 19 00-0997 | LF | 2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 17.55 | 3.33 |
| 22 07 19 00-0998 | LF | 2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 18.92 | 3.55 |
| 22 07 19 00-0999 | LF | 3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 20.38 | 3.79 |
| 22 07 19 00-1000 | LF | 4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 24.07 | 4.48 |
| 22 07 19 00-1001 | LF | 6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 30.45 | 5.63 |
| 22 07 19 00-1002 | LF | 8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 36.63 | 6.66 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-1003 | LF | 10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 41.98 | 7.46 |
| 22 07 19 00-1004 | LF | 12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation | 47.47 | 8.38 |
| **22 07 19 00-1005** | | **1-1/2" Thick Polyisocyanurate Pipe Insulation** *(22 07 19 00-0976)* | | |
| 22 07 19 00-1006 | LF | 3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation | 16.10 | 3.10 |
| 22 07 19 00-1007 | LF | 1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation | 17.04 | 3.21 |
| 22 07 19 00-1008 | LF | 1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation | 18.10 | 3.33 |
| 22 07 19 00-1009 | LF | 1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation | 18.93 | 3.44 |
| 22 07 19 00-1010 | LF | 2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation | 20.16 | 3.55 |
| 22 07 19 00-1011 | LF | 2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation | 21.88 | 3.79 |
| 22 07 19 00-1012 | LF | 3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation | 23.57 | 3.91 |
| 22 07 19 00-1013 | LF | 4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation | 27.89 | 4.82 |
| 22 07 19 00-1014 | LF | 6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation | 35.68 | 6.08 |
| 22 07 19 00-1015 | LF | 8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation | 43.41 | 7.46 |
| 22 07 19 00-1016 | LF | 10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation | 50.03 | 8.38 |
| 22 07 19 00-1017 | LF | 12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation | 55.31 | 8.95 |
| **22 07 19 00-1018** | | **2" Thick Polyisocyanurate Pipe Insulation** *(22 07 19 00-0976)* | | |
| 22 07 19 00-1019 | LF | 3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation | 20.90 | 3.21 |
| 22 07 19 00-1020 | LF | 1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation | 22.22 | 3.33 |
| 22 07 19 00-1021 | LF | 1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation | 23.42 | 3.55 |
| 22 07 19 00-1022 | LF | 1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation | 24.42 | 3.55 |
| 22 07 19 00-1023 | LF | 2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation | 25.35 | 3.79 |
| 22 07 19 00-1024 | LF | 2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation | 27.50 | 4.02 |
| 22 07 19 00-1025 | LF | 3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation | 28.94 | 4.25 |
| 22 07 19 00-1026 | LF | 4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation | 34.45 | 5.17 |
| 22 07 19 00-1027 | LF | 6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation | 41.84 | 6.66 |
| 22 07 19 00-1028 | LF | 8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation | 54.83 | 8.38 |
| 22 07 19 00-1029 | LF | 10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation | 58.15 | 9.65 |
| 22 07 19 00-1030 | LF | 12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation | 63.38 | 10.33 |
| **22 07 19 00-1031** | | **Flexible Polyethylene Tubing Closed Cell Foam Insulation** *(22 07 19)*<br>Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting. | | |
| **22 07 19 00-1032** | | **3/8" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-1031)* | | |
| 22 07 19 00-1033 | LF | 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 7.39 | 3.43 |
| | | *For Work In Restricted Working Space, Add* | *2.06* | |
| 22 07 19 00-1034 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 7.40 | 3.43 |
| | | *For Work In Restricted Working Space, Add* | *2.07* | |
| 22 07 19 00-1035 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 7.71 | 3.55 |
| | | *For Work In Restricted Working Space, Add* | *2.14* | |
| 22 07 19 00-1036 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 8.03 | 3.68 |
| | | *For Work In Restricted Working Space, Add* | *2.21* | |
| 22 07 19 00-1037 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 8.34 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | *2.24* | |
| 22 07 19 00-1038 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 8.71 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.28* | |
| 22 07 19 00-1039 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 8.86 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.29* | |
| 22 07 19 00-1040 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 9.28 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.30* | |
| 22 07 19 00-1041 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 10.11 | 3.92 |
| | | *For Work In Restricted Working Space, Add* | *2.37* | |
| 22 07 19 00-1042 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 10.48 | 3.99 |
| | | *For Work In Restricted Working Space, Add* | *2.41* | |
| **22 07 19 00-1043** | | **1/2" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-1031)* | | |
| 22 07 19 00-1044 | LF | 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 8.22 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | *2.24* | |
| 22 07 19 00-1045 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 8.32 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | *2.26* | |
| 22 07 19 00-1046 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 8.47 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.28* | |
| 22 07 19 00-1047 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 8.64 | 3.83 |
| | | *For Work In Restricted Working Space, Add* | *2.30* | |
| 22 07 19 00-1048 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 9.11 | 3.92 |
| | | *For Work In Restricted Working Space, Add* | *2.35* | |
| 22 07 19 00-1049 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 9.50 | 3.99 |
| | | *For Work In Restricted Working Space, Add* | *2.39* | |
| 22 07 19 00-1050 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 9.94 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 07 19 00-1051 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 10.50 | 4.10 |
| | | *For Work In Restricted Working Space, Add* | *2.46* | |
| 22 07 19 00-1052 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 11.45 | 4.22 |
| | | *For Work In Restricted Working Space, Add* | *2.53* | |
| 22 07 19 00-1053 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 12.44 | 4.28 |
| | | *For Work In Restricted Working Space, Add* | *2.57* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-1054 | LF | 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 13.39 | 4.34 |
| | | *For Work In Restricted Working Space, Add* | *2.60* | |
| 22 07 19 00-1055 | LF | 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 13.95 | 4.40 |
| | | *For Work In Restricted Working Space, Add* | *2.64* | |
| 22 07 19 00-1056 | | **3/4" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-1031)* | | |
| 22 07 19 00-1057 | LF | 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 9.19 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 07 19 00-1058 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 9.31 | 4.10 |
| | | *For Work In Restricted Working Space, Add* | *2.46* | |
| 22 07 19 00-1059 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 9.95 | 4.22 |
| | | *For Work In Restricted Working Space, Add* | *2.53* | |
| 22 07 19 00-1060 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 10.22 | 4.28 |
| | | *For Work In Restricted Working Space, Add* | *2.57* | |
| 22 07 19 00-1061 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 11.02 | 4.40 |
| | | *For Work In Restricted Working Space, Add* | *2.64* | |
| 22 07 19 00-1062 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 11.85 | 4.46 |
| | | *For Work In Restricted Working Space, Add* | *2.68* | |
| 22 07 19 00-1063 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 12.22 | 4.49 |
| | | *For Work In Restricted Working Space, Add* | *2.69* | |
| 22 07 19 00-1064 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 13.75 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.71* | |
| 22 07 19 00-1065 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 15.86 | 4.64 |
| | | *For Work In Restricted Working Space, Add* | *2.78* | |
| 22 07 19 00-1066 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 15.98 | 4.70 |
| | | *For Work In Restricted Working Space, Add* | *2.82* | |
| 22 07 19 00-1067 | LF | 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 17.49 | 4.76 |
| | | *For Work In Restricted Working Space, Add* | *2.86* | |
| 22 07 19 00-1068 | LF | 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 18.13 | 4.82 |
| | | *For Work In Restricted Working Space, Add* | *2.90* | |
| 22 07 19 00-1069 | | **1" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-1031)* | | |
| 22 07 19 00-1070 | LF | 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 10.50 | 4.46 |
| | | *For Work In Restricted Working Space, Add* | *2.68* | |
| 22 07 19 00-1071 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 10.78 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.71* | |
| 22 07 19 00-1072 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 11.70 | 4.64 |
| | | *For Work In Restricted Working Space, Add* | *2.78* | |
| 22 07 19 00-1073 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 11.98 | 4.70 |
| | | *For Work In Restricted Working Space, Add* | *2.82* | |
| 22 07 19 00-1074 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 13.37 | 4.82 |
| | | *For Work In Restricted Working Space, Add* | *2.90* | |
| 22 07 19 00-1075 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 14.04 | 4.94 |
| | | *For Work In Restricted Working Space, Add* | *2.96* | |
| 22 07 19 00-1076 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 14.32 | 5.00 |
| | | *For Work In Restricted Working Space, Add* | *3.00* | |
| 22 07 19 00-1077 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 15.67 | 5.06 |
| | | *For Work In Restricted Working Space, Add* | *3.04* | |
| 22 07 19 00-1078 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 16.62 | 5.19 |
| | | *For Work In Restricted Working Space, Add* | *3.11* | |
| 22 07 19 00-1079 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation | 17.46 | 5.25 |
| | | *For Work In Restricted Working Space, Add* | *3.15* | |
| 22 07 19 00-1080 | | **Flexible Elastomeric Tubing Closed Cell Foam Insulation** *(22 07 19)* | | |
| | | Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting. | | |
| 22 07 19 00-1081 | | **3/8" Wall Flexible Elastomeric Tubing Foam Insulation** *(22 07 19 00-1080)* | | |
| 22 07 19 00-1082 | LF | 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 7.50 | 3.43 |
| | | *For Work In Restricted Working Space, Add* | *2.06* | |
| 22 07 19 00-1083 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 7.60 | 3.43 |
| | | *For Work In Restricted Working Space, Add* | *2.07* | |
| 22 07 19 00-1084 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 7.90 | 3.55 |
| | | *For Work In Restricted Working Space, Add* | *2.14* | |
| 22 07 19 00-1085 | LF | 5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 8.07 | 3.61 |
| | | *For Work In Restricted Working Space, Add* | *2.17* | |
| 22 07 19 00-1086 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 8.26 | 3.68 |
| | | *For Work In Restricted Working Space, Add* | *2.21* | |
| 22 07 19 00-1087 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 8.49 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | *2.24* | |
| 22 07 19 00-1088 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 8.71 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.28* | |
| 22 07 19 00-1089 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 8.90 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.29* | |
| 22 07 19 00-1090 | LF | 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 9.07 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.30* | |
| 22 07 19 00-1091 | LF | 2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 9.26 | 3.86 |
| | | *For Work In Restricted Working Space, Add* | *2.31* | |
| 22 07 19 00-1092 | LF | 2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 9.54 | 3.92 |
| | | *For Work In Restricted Working Space, Add* | *2.35* | |
| 22 07 19 00-1093 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 9.75 | 3.92 |
| | | *For Work In Restricted Working Space, Add* | *2.37* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-1094 | LF | 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 9.92 | 3.99 |
| | | *For Work In Restricted Working Space, Add* | *2.39* | |
| 22 07 19 00-1095 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 10.16 | 3.99 |
| | | *For Work In Restricted Working Space, Add* | *2.41* | |
| 22 07 19 00-1096 | LF | 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 10.64 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 07 19 00-1097 | LF | 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 11.23 | 4.10 |
| | | *For Work In Restricted Working Space, Add* | *2.46* | |
| 22 07 19 00-1098 | LF | 4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 11.86 | 4.12 |
| | | *For Work In Restricted Working Space, Add* | *2.48* | |

## 22 07 19 00-1099 1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1080)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-1100 | LF | 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 8.41 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | *2.24* | |
| 22 07 19 00-1101 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 8.52 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | *2.26* | |
| 22 07 19 00-1102 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 8.65 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.28* | |
| 22 07 19 00-1103 | LF | 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 8.81 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.29* | |
| 22 07 19 00-1104 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 8.93 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.30* | |
| 22 07 19 00-1105 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 9.27 | 3.92 |
| | | *For Work In Restricted Working Space, Add* | *2.35* | |
| 22 07 19 00-1106 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 9.58 | 3.99 |
| | | *For Work In Restricted Working Space, Add* | *2.39* | |
| 22 07 19 00-1107 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 9.86 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 07 19 00-1108 | LF | 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 10.13 | 4.08 |
| | | *For Work In Restricted Working Space, Add* | *2.44* | |
| 22 07 19 00-1109 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 10.36 | 4.10 |
| | | *For Work In Restricted Working Space, Add* | *2.46* | |
| 22 07 19 00-1110 | LF | 2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 11.18 | 4.17 |
| | | *For Work In Restricted Working Space, Add* | *2.50* | |
| 22 07 19 00-1111 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 11.69 | 4.22 |
| | | *For Work In Restricted Working Space, Add* | *2.53* | |
| 22 07 19 00-1112 | LF | 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 12.06 | 4.26 |
| | | *For Work In Restricted Working Space, Add* | *2.55* | |
| 22 07 19 00-1113 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 12.37 | 4.28 |
| | | *For Work In Restricted Working Space, Add* | *2.57* | |
| 22 07 19 00-1114 | LF | 3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 12.61 | 4.32 |
| | | *For Work In Restricted Working Space, Add* | *2.59* | |
| 22 07 19 00-1115 | LF | 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 12.82 | 4.34 |
| | | *For Work In Restricted Working Space, Add* | *2.60* | |
| 22 07 19 00-1116 | LF | 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 13.75 | 4.40 |
| | | *For Work In Restricted Working Space, Add* | *2.64* | |
| 22 07 19 00-1117 | LF | 4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 13.98 | 4.43 |
| | | *For Work In Restricted Working Space, Add* | *2.66* | |
| 22 07 19 00-1118 | LF | 5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 14.89 | 4.46 |
| | | *For Work In Restricted Working Space, Add* | *2.68* | |
| 22 07 19 00-1119 | LF | 6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 16.00 | 4.58 |
| | | *For Work In Restricted Working Space, Add* | *2.75* | |
| 22 07 19 00-1120 | LF | 8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 17.23 | 4.70 |
| | | *For Work In Restricted Working Space, Add* | *2.82* | |

## 22 07 19 00-1121 3/4" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1080)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-1122 | LF | 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 9.59 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 07 19 00-1123 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 9.84 | 4.10 |
| | | *For Work In Restricted Working Space, Add* | *2.46* | |
| 22 07 19 00-1124 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 10.23 | 4.22 |
| | | *For Work In Restricted Working Space, Add* | *2.53* | |
| 22 07 19 00-1125 | LF | 5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 10.44 | 4.26 |
| | | *For Work In Restricted Working Space, Add* | *2.55* | |
| 22 07 19 00-1126 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 10.54 | 4.28 |
| | | *For Work In Restricted Working Space, Add* | *2.57* | |
| 22 07 19 00-1127 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 11.08 | 4.40 |
| | | *For Work In Restricted Working Space, Add* | *2.64* | |
| 22 07 19 00-1128 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 11.51 | 4.46 |
| | | *For Work In Restricted Working Space, Add* | *2.68* | |
| 22 07 19 00-1129 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 11.92 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.71* | |
| 22 07 19 00-1130 | LF | 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 12.03 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.71* | |
| 22 07 19 00-1131 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 12.20 | 4.56 |
| | | *For Work In Restricted Working Space, Add* | *2.73* | |
| 22 07 19 00-1132 | LF | 2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 12.68 | 4.58 |
| | | *For Work In Restricted Working Space, Add* | *2.75* | |
| 22 07 19 00-1133 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 12.95 | 4.64 |
| | | *For Work In Restricted Working Space, Add* | *2.78* | |
| 22 07 19 00-1134 | LF | 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 13.50 | 4.67 |
| | | *For Work In Restricted Working Space, Add* | *2.80* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-1135 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 13.89 | 4.70 |
| | | *For Work In Restricted Working Space, Add* | *2.82* | |
| 22 07 19 00-1136 | LF | 3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 14.46 | 4.74 |
| | | *For Work In Restricted Working Space, Add* | *2.84* | |
| 22 07 19 00-1137 | LF | 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 14.70 | 4.76 |
| | | *For Work In Restricted Working Space, Add* | *2.86* | |
| 22 07 19 00-1138 | LF | 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 15.58 | 4.82 |
| | | *For Work In Restricted Working Space, Add* | *2.90* | |
| 22 07 19 00-1139 | LF | 4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 16.26 | 4.85 |
| | | *For Work In Restricted Working Space, Add* | *2.91* | |
| 22 07 19 00-1140 | LF | 5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 17.41 | 4.87 |
| | | *For Work In Restricted Working Space, Add* | *2.93* | |
| 22 07 19 00-1141 | LF | 6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation | 18.64 | 4.94 |
| | | *For Work In Restricted Working Space, Add* | *2.96* | |
| 22 07 19 00-1142 | LF | 8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation | 20.14 | 5.06 |
| | | *For Work In Restricted Working Space, Add* | *3.04* | |

## 22 07 19 00-1143 1" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1080)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-1144 | LF | 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 11.13 | 4.45 |
| | | *For Work In Restricted Working Space, Add* | *2.68* | |
| 22 07 19 00-1145 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 11.43 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.71* | |
| 22 07 19 00-1146 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 11.84 | 4.64 |
| | | *For Work In Restricted Working Space, Add* | *2.78* | |
| 22 07 19 00-1147 | LF | 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 12.15 | 4.67 |
| | | *For Work In Restricted Working Space, Add* | *2.80* | |
| 22 07 19 00-1148 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 12.43 | 4.70 |
| | | *For Work In Restricted Working Space, Add* | *2.82* | |
| 22 07 19 00-1149 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 12.94 | 4.82 |
| | | *For Work In Restricted Working Space, Add* | *2.90* | |
| 22 07 19 00-1150 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 13.70 | 4.94 |
| | | *For Work In Restricted Working Space, Add* | *2.96* | |
| 22 07 19 00-1151 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 14.09 | 4.94 |
| | | *For Work In Restricted Working Space, Add* | *3.00* | |
| 22 07 19 00-1152 | LF | 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 14.59 | 5.00 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| 22 07 19 00-1153 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 14.77 | 5.06 |
| | | *For Work In Restricted Working Space, Add* | *3.04* | |
| 22 07 19 00-1154 | LF | 2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 15.85 | 5.14 |
| | | *For Work In Restricted Working Space, Add* | *3.08* | |
| 22 07 19 00-1155 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 16.69 | 5.19 |
| | | *For Work In Restricted Working Space, Add* | *3.11* | |
| 22 07 19 00-1156 | LF | 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 17.74 | 5.23 |
| | | *For Work In Restricted Working Space, Add* | *3.13* | |
| 22 07 19 00-1157 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 18.06 | 5.25 |
| | | *For Work In Restricted Working Space, Add* | *3.15* | |
| 22 07 19 00-1158 | LF | 3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 18.62 | 5.28 |
| | | *For Work In Restricted Working Space, Add* | *3.17* | |
| 22 07 19 00-1159 | LF | 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 18.88 | 5.31 |
| | | *For Work In Restricted Working Space, Add* | *3.18* | |
| 22 07 19 00-1160 | LF | 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 20.92 | 5.43 |
| | | *For Work In Restricted Working Space, Add* | *3.25* | |
| 22 07 19 00-1161 | LF | 4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 22.30 | 5.49 |
| | | *For Work In Restricted Working Space, Add* | *3.29* | |
| 22 07 19 00-1162 | LF | 5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 24.29 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *3.33* | |
| 22 07 19 00-1163 | LF | 6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 26.44 | 5.67 |
| | | *For Work In Restricted Working Space, Add* | *3.40* | |

## 22 07 19 00-1164 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1080)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-1165 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 16.27 | 4.99 |
| | | *For Work In Restricted Working Space, Add* | *3.00* | |
| 22 07 19 00-1166 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 16.67 | 5.10 |
| | | *For Work In Restricted Working Space, Add* | *3.06* | |
| 22 07 19 00-1167 | LF | 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 16.99 | 5.14 |
| | | *For Work In Restricted Working Space, Add* | *3.08* | |
| 22 07 19 00-1168 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 17.31 | 5.18 |
| | | *For Work In Restricted Working Space, Add* | *3.10* | |
| 22 07 19 00-1169 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 17.79 | 5.29 |
| | | *For Work In Restricted Working Space, Add* | *3.17* | |
| 22 07 19 00-1170 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 18.57 | 5.49 |
| | | *For Work In Restricted Working Space, Add* | *3.29* | |
| 22 07 19 00-1171 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 19.58 | 5.41 |
| | | *For Work In Restricted Working Space, Add* | *3.32* | |
| 22 07 19 00-1172 | LF | 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 20.45 | 5.53 |
| | | *For Work In Restricted Working Space, Add* | *3.36* | |
| 22 07 19 00-1173 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 21.01 | 5.67 |
| | | *For Work In Restricted Working Space, Add* | *3.40* | |
| 22 07 19 00-1174 | LF | 2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 22.67 | 5.74 |
| | | *For Work In Restricted Working Space, Add* | *3.44* | |
| 22 07 19 00-1175 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 24.24 | 5.81 |
| | | *For Work In Restricted Working Space, Add* | *3.47* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-1176 | LF | 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 24.98 | 5.83 |
| | | *For Work In Restricted Working Space, Add* | *3.49* | |
| 22 07 19 00-1177 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 25.72 | 5.84 |
| | | *For Work In Restricted Working Space, Add* | *3.51* | |
| 22 07 19 00-1178 | LF | 3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 26.57 | 5.88 |
| | | *For Work In Restricted Working Space, Add* | *3.53* | |
| 22 07 19 00-1179 | LF | 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 27.12 | 5.90 |
| | | *For Work In Restricted Working Space, Add* | *3.54* | |
| 22 07 19 00-1180 | LF | 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 30.09 | 6.12 |
| | | *For Work In Restricted Working Space, Add* | *3.66* | |
| 22 07 19 00-1181 | LF | 4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 31.69 | 6.21 |
| | | *For Work In Restricted Working Space, Add* | *3.72* | |
| 22 07 19 00-1182 | LF | 5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 35.49 | 6.30 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| 22 07 19 00-1183 | LF | 6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 39.29 | 6.49 |
| | | *For Work In Restricted Working Space, Add* | *3.89* | |

## 22 07 19 00-1184 2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1080)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-1185 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 22.86 | 5.51 |
| | | *For Work In Restricted Working Space, Add* | *3.31* | |
| 22 07 19 00-1186 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 23.72 | 5.59 |
| | | *For Work In Restricted Working Space, Add* | *3.38* | |
| 22 07 19 00-1187 | LF | 5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 25.13 | 5.64 |
| | | *For Work In Restricted Working Space, Add* | *3.39* | |
| 22 07 19 00-1188 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 25.62 | 5.68 |
| | | *For Work In Restricted Working Space, Add* | *3.40* | |
| 22 07 19 00-1189 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 26.85 | 5.80 |
| | | *For Work In Restricted Working Space, Add* | *3.47* | |
| 22 07 19 00-1190 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 28.42 | 6.07 |
| | | *For Work In Restricted Working Space, Add* | *3.64* | |
| 22 07 19 00-1191 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 29.29 | 5.92 |
| | | *For Work In Restricted Working Space, Add* | *3.66* | |
| 22 07 19 00-1192 | LF | 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 30.87 | 6.13 |
| | | *For Work In Restricted Working Space, Add* | *3.74* | |
| 22 07 19 00-1193 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 32.39 | 6.33 |
| | | *For Work In Restricted Working Space, Add* | *3.81* | |
| 22 07 19 00-1194 | LF | 2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 33.39 | 6.41 |
| | | *For Work In Restricted Working Space, Add* | *3.84* | |
| 22 07 19 00-1195 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 35.43 | 6.49 |
| | | *For Work In Restricted Working Space, Add* | *3.87* | |
| 22 07 19 00-1196 | LF | 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 35.69 | 6.50 |
| | | *For Work In Restricted Working Space, Add* | *3.90* | |
| 22 07 19 00-1197 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 37.59 | 6.51 |
| | | *For Work In Restricted Working Space, Add* | *3.92* | |
| 22 07 19 00-1198 | LF | 3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 38.91 | 6.55 |
| | | *For Work In Restricted Working Space, Add* | *3.93* | |
| 22 07 19 00-1199 | LF | 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 40.31 | 6.58 |
| | | *For Work In Restricted Working Space, Add* | *3.94* | |
| 22 07 19 00-1200 | LF | 4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 45.07 | 6.89 |
| | | *For Work In Restricted Working Space, Add* | *4.12* | |
| 22 07 19 00-1201 | LF | 4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 47.84 | 7.03 |
| | | *For Work In Restricted Working Space, Add* | *4.21* | |
| 22 07 19 00-1202 | LF | 5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 48.70 | 7.16 |
| | | *For Work In Restricted Working Space, Add* | *4.30* | |
| 22 07 19 00-1203 | LF | 6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation | 54.41 | 7.45 |
| | | *For Work In Restricted Working Space, Add* | *4.46* | |

## 22 07 19 00-1204 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

## 22 07 19 00-1205 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-1204)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-1206 | LF | 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 7.47 | 3.43 |
| | | *For Work In Restricted Working Space, Add* | *2.06* | |
| 22 07 19 00-1207 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 7.56 | 3.43 |
| | | *For Work In Restricted Working Space, Add* | *2.07* | |
| 22 07 19 00-1208 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 7.84 | 3.55 |
| | | *For Work In Restricted Working Space, Add* | *2.14* | |
| 22 07 19 00-1209 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 8.19 | 3.68 |
| | | *For Work In Restricted Working Space, Add* | *2.21* | |
| 22 07 19 00-1210 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 8.40 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | *2.24* | |
| 22 07 19 00-1211 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 8.80 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.28* | |
| 22 07 19 00-1212 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 9.10 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.29* | |
| 22 07 19 00-1213 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 9.32 | 3.92 |
| | | *For Work In Restricted Working Space, Add* | *2.30* | |
| 22 07 19 00-1214 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 10.29 | 3.92 |
| | | *For Work In Restricted Working Space, Add* | *2.37* | |
| 22 07 19 00-1215 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 11.17 | 3.99 |
| | | *For Work In Restricted Working Space, Add* | *2.41* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-1216 | LF | 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 13.41 | 4.10 |
| | | *For Work In Restricted Working Space, Add* | *2.46* | |
| **22 07 19 00-1217** | | **1/2" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-1204)* | | |
| 22 07 19 00-1218 | LF | 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 8.38 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | *2.24* | |
| 22 07 19 00-1219 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 8.46 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | *2.26* | |
| 22 07 19 00-1220 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 8.64 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.28* | |
| 22 07 19 00-1221 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 8.88 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.30* | |
| 22 07 19 00-1222 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 9.18 | 3.92 |
| | | *For Work In Restricted Working Space, Add* | *2.35* | |
| 22 07 19 00-1223 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 9.61 | 3.99 |
| | | *For Work In Restricted Working Space, Add* | *2.39* | |
| 22 07 19 00-1224 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 10.08 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 07 19 00-1225 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 10.55 | 4.10 |
| | | *For Work In Restricted Working Space, Add* | *2.46* | |
| 22 07 19 00-1226 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 11.59 | 4.22 |
| | | *For Work In Restricted Working Space, Add* | *2.53* | |
| 22 07 19 00-1227 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 12.51 | 4.28 |
| | | *For Work In Restricted Working Space, Add* | *2.57* | |
| 22 07 19 00-1228 | LF | 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 14.28 | 4.40 |
| | | *For Work In Restricted Working Space, Add* | *2.64* | |
| **22 07 19 00-1229** | | **3/4" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-1204)* | | |
| 22 07 19 00-1230 | LF | 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 9.44 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 07 19 00-1231 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 9.78 | 4.10 |
| | | *For Work In Restricted Working Space, Add* | *2.46* | |
| 22 07 19 00-1232 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 10.18 | 4.22 |
| | | *For Work In Restricted Working Space, Add* | *2.53* | |
| 22 07 19 00-1233 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 10.80 | 4.28 |
| | | *For Work In Restricted Working Space, Add* | *2.57* | |
| 22 07 19 00-1234 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 11.39 | 4.40 |
| | | *For Work In Restricted Working Space, Add* | *2.64* | |
| 22 07 19 00-1235 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 12.42 | 4.46 |
| | | *For Work In Restricted Working Space, Add* | *2.68* | |
| 22 07 19 00-1236 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 13.08 | 4.46 |
| | | *For Work In Restricted Working Space, Add* | *2.69* | |
| 22 07 19 00-1237 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 13.85 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.71* | |
| 22 07 19 00-1238 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 15.32 | 4.64 |
| | | *For Work In Restricted Working Space, Add* | *2.78* | |
| 22 07 19 00-1239 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 16.66 | 4.70 |
| | | *For Work In Restricted Working Space, Add* | *2.82* | |
| 22 07 19 00-1240 | LF | 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 19.24 | 4.82 |
| | | *For Work In Restricted Working Space, Add* | *2.90* | |
| **22 07 19 00-1241** | | **1" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-1204)* | | |
| 22 07 19 00-1242 | LF | 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 11.30 | 4.46 |
| | | *For Work In Restricted Working Space, Add* | *2.68* | |
| 22 07 19 00-1243 | LF | 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 11.47 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.71* | |
| 22 07 19 00-1244 | LF | 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 11.87 | 4.64 |
| | | *For Work In Restricted Working Space, Add* | *2.78* | |
| 22 07 19 00-1245 | LF | 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 12.79 | 4.70 |
| | | *For Work In Restricted Working Space, Add* | *2.82* | |
| 22 07 19 00-1246 | LF | 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 13.55 | 4.82 |
| | | *For Work In Restricted Working Space, Add* | *2.90* | |
| 22 07 19 00-1247 | LF | 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 14.31 | 4.94 |
| | | *For Work In Restricted Working Space, Add* | *2.96* | |
| 22 07 19 00-1248 | LF | 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 15.07 | 4.94 |
| | | *For Work In Restricted Working Space, Add* | *3.00* | |
| 22 07 19 00-1249 | LF | 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 16.77 | 5.06 |
| | | *For Work In Restricted Working Space, Add* | *3.04* | |
| 22 07 19 00-1250 | LF | 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 19.04 | 5.19 |
| | | *For Work In Restricted Working Space, Add* | *3.11* | |
| 22 07 19 00-1251 | LF | 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation | 20.67 | 5.25 |
| | | *For Work In Restricted Working Space, Add* | *3.15* | |
| **22 07 19 00-1252** | | **Flexible Elastomeric Unicellular Insulation** *(22 07 19)* | | |
| | | Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting. | | |
| **22 07 19 00-1253** | | **3/8" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-1252)* | | |
| 22 07 19 00-1254 | LF | 3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation | 8.53 | 3.43 |
| | | *For Work In Restricted Working Space, Add* | *2.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-1255 | LF | 1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation | 9.04 | 3.55 |
| | | *For Work In Restricted Working Space, Add* | *2.14* | |
| 22 07 19 00-1256 | LF | 3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation | 9.49 | 3.69 |
| | | *For Work In Restricted Working Space, Add* | *2.21* | |
| 22 07 19 00-1257 | LF | 1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation | 9.89 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | *2.24* | |
| 22 07 19 00-1258 | LF | 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation | 10.34 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.28* | |
| 22 07 19 00-1259 | LF | 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation | 11.03 | 3.83 |
| | | *For Work In Restricted Working Space, Add* | *2.29* | |
| 22 07 19 00-1260 | LF | 2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation | 11.88 | 3.93 |
| | | *For Work In Restricted Working Space, Add* | *2.35* | |
| 22 07 19 00-1261 | LF | 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation | 13.99 | 3.95 |
| | | *For Work In Restricted Working Space, Add* | *2.37* | |
| 22 07 19 00-1262 | LF | 3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation | 15.51 | 4.01 |
| | | *For Work In Restricted Working Space, Add* | *2.41* | |

## 22 07 19 00-1263 1/2" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-1252)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-1264 | LF | 3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation | 9.89 | 3.69 |
| | | *For Work In Restricted Working Space, Add* | *2.21* | |
| 22 07 19 00-1265 | LF | 1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation | 10.38 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.28* | |
| 22 07 19 00-1266 | LF | 3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation | 10.74 | 3.80 |
| | | *For Work In Restricted Working Space, Add* | *2.30* | |
| 22 07 19 00-1267 | LF | 1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation | 11.31 | 3.92 |
| | | *For Work In Restricted Working Space, Add* | *2.35* | |
| 22 07 19 00-1268 | LF | 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation | 11.76 | 3.99 |
| | | *For Work In Restricted Working Space, Add* | *2.39* | |
| 22 07 19 00-1269 | LF | 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation | 12.46 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 07 19 00-1270 | LF | 2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation | 13.80 | 4.10 |
| | | *For Work In Restricted Working Space, Add* | *2.46* | |
| 22 07 19 00-1271 | LF | 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation | 16.00 | 4.22 |
| | | *For Work In Restricted Working Space, Add* | *2.53* | |
| 22 07 19 00-1272 | LF | 3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation | 17.44 | 4.28 |
| | | *For Work In Restricted Working Space, Add* | *2.57* | |
| 22 07 19 00-1273 | LF | 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation | 20.38 | 4.34 |
| | | *For Work In Restricted Working Space, Add* | *2.60* | |
| 22 07 19 00-1274 | LF | 4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation | 21.75 | 4.40 |
| | | *For Work In Restricted Working Space, Add* | *2.64* | |

## 22 07 19 00-1275 3/4" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-1252)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-1276 | LF | 3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation | 11.90 | 4.02 |
| | | *For Work In Restricted Working Space, Add* | *2.41* | |
| 22 07 19 00-1277 | LF | 1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation | 12.66 | 4.22 |
| | | *For Work In Restricted Working Space, Add* | *2.53* | |
| 22 07 19 00-1278 | LF | 3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation | 13.60 | 4.28 |
| | | *For Work In Restricted Working Space, Add* | *2.57* | |
| 22 07 19 00-1279 | LF | 1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation | 14.95 | 4.41 |
| | | *For Work In Restricted Working Space, Add* | *2.64* | |
| 22 07 19 00-1280 | LF | 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation | 15.95 | 4.46 |
| | | *For Work In Restricted Working Space, Add* | *2.68* | |
| 22 07 19 00-1281 | LF | 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation | 18.37 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.71* | |
| 22 07 19 00-1282 | LF | 2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation | 20.46 | 4.56 |
| | | *For Work In Restricted Working Space, Add* | *2.73* | |
| 22 07 19 00-1283 | LF | 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation | 23.61 | 4.65 |
| | | *For Work In Restricted Working Space, Add* | *2.78* | |
| 22 07 19 00-1284 | LF | 3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation | 25.80 | 4.70 |
| | | *For Work In Restricted Working Space, Add* | *2.82* | |
| 22 07 19 00-1285 | LF | 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation | 29.40 | 4.76 |
| | | *For Work In Restricted Working Space, Add* | *2.86* | |
| 22 07 19 00-1286 | LF | 4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation | 31.06 | 4.82 |
| | | *For Work In Restricted Working Space, Add* | *2.90* | |

## 22 07 19 00-1287 1" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-1252)*

| | | | | |
|---|---|---|---|---|
| 22 07 19 00-1288 | LF | 3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation | 16.00 | 4.46 |
| | | *For Work In Restricted Working Space, Add* | *2.68* | |
| 22 07 19 00-1289 | LF | 1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation | 16.82 | 4.65 |
| | | *For Work In Restricted Working Space, Add* | *2.78* | |
| 22 07 19 00-1290 | LF | 3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation | 18.70 | 4.70 |
| | | *For Work In Restricted Working Space, Add* | *2.82* | |
| 22 07 19 00-1291 | LF | 1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation | 20.95 | 4.82 |
| | | *For Work In Restricted Working Space, Add* | *2.90* | |
| 22 07 19 00-1292 | LF | 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation | 22.97 | 4.94 |
| | | *For Work In Restricted Working Space, Add* | *2.96* | |
| 22 07 19 00-1293 | LF | 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation | 24.51 | 5.00 |
| | | *For Work In Restricted Working Space, Add* | *3.00* | |
| 22 07 19 00-1294 | LF | 2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation | 27.58 | 5.06 |
| | | *For Work In Restricted Working Space, Add* | *3.04* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 07 19 00-1295 | LF | 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation | 35.01 | 5.19 |
| | | *For Work In Restricted Working Space, Add* | *3.11* | |
| 22 07 19 00-1296 | LF | 3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation | 40.37 | 5.25 |
| | | *For Work In Restricted Working Space, Add* | *3.15* | |
| 22 07 19 00-1297 | LF | 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation | 43.25 | 5.31 |
| | | *For Work In Restricted Working Space, Add* | *3.18* | |
| 22 07 19 00-1298 | LF | 4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation | 49.18 | 5.43 |
| | | *For Work In Restricted Working Space, Add* | *3.25* | |

# 22 10 Plumbing Piping *(22)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

# 22 11 Facility Water Distribution *(22 10)*

## 22 11 16 Domestic Water Piping *(22 11)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

### 22 11 16 00-0001 Galvanized Steel Pipe Assemblies *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0002 | LF | 1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 20.11 | 4.31 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *5.47* | |
| | | *For ASTM 120, Deduct* | *-0.87* | |
| | | *For Work In Restricted Working Space, Add* | *4.29* | |
| 22 11 16 00-0003 | LF | 3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 22.21 | 4.63 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *6.21* | |
| | | *For ASTM 120, Deduct* | *-1.06* | |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| 22 11 16 00-0004 | LF | 1" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 25.44 | 5.07 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *7.40* | |
| | | *For ASTM 120, Deduct* | *-1.39* | |
| | | *For Work In Restricted Working Space, Add* | *4.85* | |
| 22 11 16 00-0005 | LF | 1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 30.33 | 5.28 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *9.36* | |
| | | *For ASTM 120, Deduct* | *-1.97* | |
| | | *For Work In Restricted Working Space, Add* | *5.15* | |
| 22 11 16 00-0006 | LF | 1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 32.76 | 6.26 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *10.26* | |
| | | *For ASTM 120, Deduct* | *-2.23* | |
| | | *For Work In Restricted Working Space, Add* | *5.37* | |
| 22 11 16 00-0007 | LF | 2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 39.62 | 7.54 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *12.73* | |
| | | *For ASTM 120, Deduct* | *-2.89* | |
| | | *For Work In Restricted Working Space, Add* | *6.11* | |
| 22 11 16 00-0008 | LF | 2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 56.79 | 8.94 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *19.58* | |
| | | *For ASTM 120, Deduct* | *-4.94* | |
| | | *For Work In Restricted Working Space, Add* | *7.17* | |
| 22 11 16 00-0009 | LF | 3" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 70.84 | 11.97 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *24.64* | |
| | | *For ASTM 120, Deduct* | *-6.28* | |
| | | *For Work In Restricted Working Space, Add* | *8.69* | |
| 22 11 16 00-0010 | LF | 4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 104.27 | 14.04 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *38.72* | |
| | | *For ASTM 120, Deduct* | *-10.72* | |
| | | *For Work In Restricted Working Space, Add* | *9.84* | |
| 22 11 16 00-0011 | LF | 5" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 183.02 | 17.94 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *72.45* | |
| | | *For ASTM 120, Deduct* | *-21.51* | |
| | | *For Work In Restricted Working Space, Add* | *11.89* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0012 | LF | 6" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 205.31 | 21.22 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *81.13* | |
| | | *For ASTM 120, Deduct* | *-24.04* | |
| | | *For Work In Restricted Working Space, Add* | *13.51* | |

## 22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

## 22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0015 | LF | 1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe | 9.86 | 4.31 |
| | | *For Schedule 80 Pipe, Add* | *2.25* | |
| | | *For ASTM 120, Deduct* | *-0.50* | |
| | | *For Work In Restricted Working Space, Add* | *1.96* | |
| 22 11 16 00-0016 | LF | 3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe | 11.34 | 4.63 |
| | | *For Schedule 80 Pipe, Add* | *2.80* | |
| | | *For ASTM 120, Deduct* | *-0.66* | |
| | | *For Work In Restricted Working Space, Add* | *2.09* | |
| 22 11 16 00-0017 | LF | 1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe | 14.04 | 5.07 |
| | | *For Schedule 80 Pipe, Add* | *3.88* | |
| | | *For ASTM 120, Deduct* | *-0.98* | |
| | | *For Work In Restricted Working Space, Add* | *2.26* | |
| 22 11 16 00-0018 | LF | 1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe | 16.81 | 5.28 |
| | | *For Schedule 80 Pipe, Add* | *5.03* | |
| | | *For ASTM 120, Deduct* | *-1.32* | |
| | | *For Work In Restricted Working Space, Add* | *2.40* | |
| 22 11 16 00-0019 | LF | 1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe | 19.92 | 6.26 |
| | | *For Schedule 80 Pipe, Add* | *6.00* | |
| | | *For ASTM 120, Deduct* | *-1.58* | |
| | | *For Work In Restricted Working Space, Add* | *2.81* | |
| 22 11 16 00-0020 | LF | 2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe | 25.50 | 7.54 |
| | | *For Schedule 80 Pipe, Add* | *7.93* | |
| | | *For ASTM 120, Deduct* | *-2.12* | |
| | | *For Work In Restricted Working Space, Add* | *3.40* | |
| 22 11 16 00-0021 | LF | 2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe | 35.94 | 8.94 |
| | | *For Schedule 80 Pipe, Add* | *12.13* | |
| | | *For ASTM 120, Deduct* | *-3.37* | |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 22 11 16 00-0022 | LF | 3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe | 47.37 | 11.97 |
| | | *For Schedule 80 Pipe, Add* | *15.91* | |
| | | *For ASTM 120, Deduct* | *-4.41* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0023 | LF | 4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe | 62.96 | 14.04 |
| | | *For Schedule 80 Pipe, Add* | *22.20* | |
| | | *For ASTM 120, Deduct* | *-6.28* | |
| | | *For Work In Restricted Working Space, Add* | *6.33* | |
| 22 11 16 00-0024 | LF | 5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe | 83.00 | 17.94 |
| | | *For Schedule 80 Pipe, Add* | *29.63* | |
| | | *For ASTM 120, Deduct* | *-8.42* | |
| | | *For Work In Restricted Working Space, Add* | *8.06* | |
| 22 11 16 00-0025 | LF | 6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe | 104.58 | 21.22 |
| | | *For Schedule 80 Pipe, Add* | *38.12* | |
| | | *For ASTM 120, Deduct* | *-10.92* | |
| | | *For Work In Restricted Working Space, Add* | *9.53* | |
| 22 11 16 00-0026 | LF | 8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe | 117.05 | 25.65 |
| | | *For Schedule 80 Pipe, Add* | *41.60* | |
| | | *For ASTM 120, Deduct* | *-11.80* | |
| | | *For Work In Restricted Working Space, Add* | *11.52* | |

## 22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0028 | LF | 1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe | 14.02 | 4.31 |
| | | *For Schedule 80 Pipe, Add* | *4.24* | |
| | | *For ASTM 120, Deduct* | *-1.12* | |
| | | *For Work In Restricted Working Space, Add* | *1.96* | |
| 22 11 16 00-0029 | LF | 3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe | 15.91 | 4.63 |
| | | *For Schedule 80 Pipe, Add* | *5.00* | |
| | | *For ASTM 120, Deduct* | *-1.34* | |
| | | *For Work In Restricted Working Space, Add* | *2.09* | |
| 22 11 16 00-0030 | LF | 1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe | 17.95 | 5.07 |
| | | *For Schedule 80 Pipe, Add* | *5.75* | |
| | | *For ASTM 120, Deduct* | *-1.56* | |
| | | *For Work In Restricted Working Space, Add* | *2.26* | |
| 22 11 16 00-0031 | LF | 1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe | 21.08 | 5.28 |
| | | *For Schedule 80 Pipe, Add* | *7.08* | |
| | | *For ASTM 120, Deduct* | *-1.96* | |
| | | *For Work In Restricted Working Space, Add* | *2.40* | |
| 22 11 16 00-0032 | LF | 1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe | 24.33 | 6.26 |
| | | *For Schedule 80 Pipe, Add* | *8.11* | |
| | | *For ASTM 120, Deduct* | *-2.24* | |
| | | *For Work In Restricted Working Space, Add* | *2.81* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0033 | LF | 2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe | 28.37 | 7.54 |
| | | *For Schedule 80 Pipe, Add* | *9.31* | |
| | | *For ASTM 120, Deduct* | *-2.55* | |
| | | *For Work In Restricted Working Space, Add* | *3.40* | |
| 22 11 16 00-0034 | LF | 2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe | 41.98 | 8.94 |
| | | *For Schedule 80 Pipe, Add* | *15.03* | |
| | | *For ASTM 120, Deduct* | *-4.28* | |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 22 11 16 00-0035 | LF | 3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe | 52.82 | 11.97 |
| | | *For Schedule 80 Pipe, Add* | *18.53* | |
| | | *For ASTM 120, Deduct* | *-5.23* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0036 | LF | 4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe | 70.93 | 14.04 |
| | | *For Schedule 80 Pipe, Add* | *26.02* | |
| | | *For ASTM 120, Deduct* | *-7.47* | |
| | | *For Work In Restricted Working Space, Add* | *6.33* | |
| 22 11 16 00-0037 | LF | 5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe | 91.90 | 17.94 |
| | | *For Schedule 80 Pipe, Add* | *33.90* | |
| | | *For ASTM 120, Deduct* | *-9.75* | |
| | | *For Work In Restricted Working Space, Add* | *8.06* | |
| 22 11 16 00-0038 | LF | 6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe | 114.96 | 21.22 |
| | | *For Schedule 80 Pipe, Add* | *43.10* | |
| | | *For ASTM 120, Deduct* | *-12.48* | |
| | | *For Work In Restricted Working Space, Add* | *9.53* | |

## 22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0040 | EA | 1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow | 32.57 | 19.19 |
| | | *For 300 Lb. Rating, Add* | *14.71* | |
| | | *For ASTM 120, Deduct* | *-0.57* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0041 | EA | 3/4", 150 LBLb., , Galvanized Malleable Iron 90 Degree Elbow | 36.86 | 21.46 |
| | | *For 300 Lb. Rating, Add* | *17.88* | |
| | | *For ASTM 120, Deduct* | *-0.70* | |
| | | *For Work In Restricted Working Space, Add* | *9.65* | |
| 22 11 16 00-0042 | EA | 1", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow | 44.61 | 23.93 |
| | | *For 300 Lb. Rating, Add* | *31.67* | |
| | | *For ASTM 120, Deduct* | *-1.30* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 22 11 16 00-0043 | EA | 1-1/4", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow | 54.39 | 27.17 |
| | | *For 300 Lb. Rating, Add* | *49.09* | |
| | | *For ASTM 120, Deduct* | *-2.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 22 11 16 00-0044 | EA | 1-1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow | 63.78 | 30.61 |
| | | *For 300 Lb. Rating, Add* | *63.65* | |
| | | *For ASTM 120, Deduct* | *-2.69* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 11 16 00-0045 | EA | 2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow | 87.60 | 38.91 |
| | | *For 300 Lb. Rating, Add* | *103.25* | |
| | | *For ASTM 120, Deduct* | *-4.40* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 11 16 00-0046 | EA | 2-1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow | 163.00 | 57.56 |
| | | *For 300 Lb. Rating, Add* | *266.19* | |
| | | *For ASTM 120, Deduct* | *-11.52* | |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 11 16 00-0047 | EA | 3", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow | 240.02 | 75.67 |
| | | *For 300 Lb. Rating, Add* | *437.11* | |
| | | *For ASTM 120, Deduct* | *-18.98* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 11 16 00-0048 | EA | 4", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow | 346.38 | 82.12 |
| | | *For 300 Lb. Rating, Add* | *766.37* | |
| | | *For ASTM 120, Deduct* | *-33.48* | |
| | | *For Work In Restricted Working Space, Add* | *36.95* | |
| 22 11 16 00-0049 | EA | 5", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow | 1,092.52 | 85.71 |
| | | *For 300 Lb. Rating, Add* | *3,285.38* | |
| | | *For ASTM 120, Deduct* | *-144.60* | |
| | | *For Work In Restricted Working Space, Add* | *38.55* | |
| 22 11 16 00-0050 | EA | 6", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow | 1,023.07 | 89.62 |
| | | *For 300 Lb. Rating, Add* | *3,029.71* | |
| | | *For ASTM 120, Deduct* | *-133.31* | |
| | | *For Work In Restricted Working Space, Add* | *40.31* | |
| 22 11 16 00-0051 | EA | 8", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow | 1,212.58 | 93.65 |
| | | *For 300 Lb. Rating, Add* | *3,653.84* | |
| | | *For ASTM 120, Deduct* | *-160.83* | |
| | | *For Work In Restricted Working Space, Add* | *42.12* | |

## 22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0053 | EA | 3/4" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 38.61 | 20.27 |
| | | *For ASTM 120, Deduct* | *-1.22* | |
| | | *For Work In Restricted Working Space, Add* | *9.14* | |
| 22 11 16 00-0054 | EA | 1" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 44.51 | 22.74 |
| | | *For ASTM 120, Deduct* | *-1.57* | |
| | | *For Work In Restricted Working Space, Add* | *10.22* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0055 | EA | 1" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 43.43 | 21.56 |
| | | *For ASTM 120, Deduct* | *-1.67* | |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| 22 11 16 00-0056 | EA | 1-1/4" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 55.85 | 25.54 |
| | | *For ASTM 120, Deduct* | *-2.63* | |
| | | *For Work In Restricted Working Space, Add* | *11.49* | |
| 22 11 16 00-0057 | EA | 1-1/4" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 57.50 | 24.26 |
| | | *For ASTM 120, Deduct* | *-3.16* | |
| | | *For Work In Restricted Working Space, Add* | *10.93* | |
| 22 11 16 00-0058 | EA | 1-1/4" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 57.04 | 23.18 |
| | | *For ASTM 120, Deduct* | *-3.35* | |
| | | *For Work In Restricted Working Space, Add* | *10.41* | |
| 22 11 16 00-0059 | EA | 1-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 71.30 | 28.89 |
| | | *For ASTM 120, Deduct* | *-4.21* | |
| | | *For Work In Restricted Working Space, Add* | *12.98* | |
| 22 11 16 00-0060 | EA | 1-1/2" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 68.94 | 27.27 |
| | | *For ASTM 120, Deduct* | *-4.21* | |
| | | *For Work In Restricted Working Space, Add* | *12.27* | |
| 22 11 16 00-0061 | EA | 1-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 67.06 | 25.98 |
| | | *For ASTM 120, Deduct* | *-4.21* | |
| | | *For Work In Restricted Working Space, Add* | *11.71* | |
| 22 11 16 00-0062 | EA | 2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 84.83 | 34.71 |
| | | *For ASTM 120, Deduct* | *-4.91* | |
| | | *For Work In Restricted Working Space, Add* | *15.62* | |
| 22 11 16 00-0063 | EA | 2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 87.02 | 32.99 |
| | | *For ASTM 120, Deduct* | *-5.63* | |
| | | *For Work In Restricted Working Space, Add* | *14.84* | |
| 22 11 16 00-0064 | EA | 2" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 86.06 | 31.37 |
| | | *For ASTM 120, Deduct* | *-5.85* | |
| | | *For Work In Restricted Working Space, Add* | *14.13* | |
| 22 11 16 00-0065 | EA | 2" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 74.78 | 30.18 |
| | | *For ASTM 120, Deduct* | *-4.43* | |
| | | *For Work In Restricted Working Space, Add* | *13.57* | |
| 22 11 16 00-0066 | EA | 2-1/2" x 2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 183.29 | 48.18 |
| | | *For ASTM 120, Deduct* | *-16.66* | |
| | | *For Work In Restricted Working Space, Add* | *21.68* | |
| 22 11 16 00-0067 | EA | 2-1/2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 189.77 | 44.09 |
| | | *For ASTM 120, Deduct* | *-18.56* | |
| | | *For Work In Restricted Working Space, Add* | *19.82* | |
| 22 11 16 00-0068 | EA | 3" x 2-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 301.65 | 66.61 |
| | | *For ASTM 120, Deduct* | *-30.27* | |
| | | *For Work In Restricted Working Space, Add* | *29.95* | |
| 22 11 16 00-0069 | EA | 3" x 2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 261.14 | 57.23 |
| | | *For ASTM 120, Deduct* | *-26.29* | |
| | | *For Work In Restricted Working Space, Add* | *25.76* | |
| 22 11 16 00-0070 | EA | 4" x 3", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow | 573.81 | 78.11 |
| | | *For ASTM 120, Deduct* | *-68.50* | |
| | | *For Work In Restricted Working Space, Add* | *35.14* | |

## 22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0072 | EA | 1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow | 33.51 | 19.19 |
| | | *For 300 Lb. Rating, Add* | *17.91* | |
| | | *For ASTM 120, Deduct* | *-0.71* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0073 | EA | 3/4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow | 39.02 | 21.46 |
| | | *For 300 Lb. Rating, Add* | *25.22* | |
| | | *For ASTM 120, Deduct* | *-1.03* | |
| | | *For Work In Restricted Working Space, Add* | *9.65* | |
| 22 11 16 00-0074 | EA | 1", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow | 43.66 | 23.93 |
| | | *For 300 Lb. Rating, Add* | *28.44* | |
| | | *For ASTM 120, Deduct* | *-1.16* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 22 11 16 00-0075 | EA | 1-1/4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow | 55.11 | 27.17 |
| | | *For 300 Lb. Rating, Add* | *51.54* | |
| | | *For ASTM 120, Deduct* | *-2.17* | |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 22 11 16 00-0076 | EA | 1-1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow | 62.83 | 30.61 |
| | | *For 300 Lb. Rating, Add* | *60.42* | |
| | | *For ASTM 120, Deduct* | *-2.54* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 11 16 00-0077 | EA | 2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow | 83.36 | 38.91 |
| | | *For 300 Lb. Rating, Add* | *88.84* | |
| | | *For ASTM 120, Deduct* | *-3.77* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 11 16 00-0078 | EA | 2-1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow | 173.56 | 57.56 |
| | | *For 300 Lb. Rating, Add* | *302.10* | |
| | | *For ASTM 120, Deduct* | *-13.10* | |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 11 16 00-0079 | EA | 3", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow | 240.47 | 75.67 |
| | | *For 300 Lb. Rating, Add* | *438.64* | |
| | | *For ASTM 120, Deduct* | *-19.05* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0080 | EA | 4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow | 336.08 | 82.12 |
| | | *For 300 Lb. Rating, Add* | *731.35* | |
| | | *For ASTM 120, Deduct* | *-31.94* | |
| | | *For Work In Restricted Working Space, Add* | *36.95* | |
| 22 11 16 00-0081 | EA | 5", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow | 988.91 | 85.71 |
| | | *For 300 Lb. Rating, Add* | *2,933.10* | |
| | | *For ASTM 120, Deduct* | *-129.06* | |
| | | *For Work In Restricted Working Space, Add* | *38.55* | |
| 22 11 16 00-0082 | EA | 6", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow | 1,171.81 | 89.62 |
| | | *For 300 Lb. Rating, Add* | *3,535.43* | |
| | | *For ASTM 120, Deduct* | *-155.62* | |
| | | *For Work In Restricted Working Space, Add* | *40.31* | |
| 22 11 16 00-0083 | EA | 8", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow | 1,390.24 | 93.65 |
| | | *For 300 Lb. Rating, Add* | *4,257.88* | |
| | | *For ASTM 120, Deduct* | *-187.48* | |
| | | *For Work In Restricted Working Space, Add* | *42.12* | |

## 22 11 16 00-0084 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0085 | EA | 1/2", 150 Lb., Galvanized Malleable Iron Tee | 40.87 | 23.93 |
| | | *For 300 Lb. Rating, Add* | *18.95* | |
| | | *For ASTM 120, Deduct* | *-0.74* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 22 11 16 00-0086 | EA | 3/4", 150 Lb., Galvanized Malleable Iron Tee | 49.61 | 27.70 |
| | | *For 300 Lb. Rating, Add* | *30.20* | |
| | | *For ASTM 120, Deduct* | *-1.22* | |
| | | *For Work In Restricted Working Space, Add* | *12.44* | |
| 22 11 16 00-0087 | EA | 1", 150 Lb., Galvanized Malleable Iron Tee | 62.17 | 32.66 |
| | | *For 300 Lb. Rating, Add* | *47.75* | |
| | | *For ASTM 120, Deduct* | *-1.98* | |
| | | *For Work In Restricted Working Space, Add* | *14.70* | |
| 22 11 16 00-0088 | EA | 1-1/4", 150 Lb., Galvanized Malleable Iron Tee | 79.18 | 38.91 |
| | | *For 300 Lb. Rating, Add* | *74.62* | |
| | | *For ASTM 120, Deduct* | *-3.14* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 11 16 00-0089 | EA | 1-1/2", 150 Lb., Galvanized Malleable Iron Tee | 95.55 | 46.35 |
| | | *For 300 Lb. Rating, Add* | *92.61* | |
| | | *For ASTM 120, Deduct* | *-3.90* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 11 16 00-0090 | EA | 2", 150 Lb., Galvanized Malleable Iron Tee | 128.50 | 57.56 |
| | | *For 300 Lb. Rating, Add* | *148.89* | |
| | | *For ASTM 120, Deduct* | *-6.34* | |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 11 16 00-0091 | EA | 2-1/2", 150 Lb., Galvanized Malleable Iron Tee | 212.74 | 62.52 |
| | | *For 300 Lb. Rating, Add* | *410.26* | |
| | | *For ASTM 120, Deduct* | *-17.85* | |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 11 16 00-0092 | EA | 3", 150 Lb., Galvanized Malleable Iron Tee | 253.02 | 75.67 |
| | | *For 300 Lb. Rating, Add* | *481.31* | |
| | | *For ASTM 120, Deduct* | *-20.93* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 11 16 00-0093 | EA | 4", 150 Lb., Galvanized Malleable Iron Tee | 485.72 | 103.77 |
| | | *For 300 Lb. Rating, Add* | *1,131.88* | |
| | | *For ASTM 120, Deduct* | *-49.52* | |
| | | *For Work In Restricted Working Space, Add* | *46.67* | |
| 22 11 16 00-0094 | EA | 5", 150 Lb., Galvanized Malleable Iron Tee | 1,222.54 | 123.19 |
| | | *For 300 Lb. Rating, Add* | *3,539.64* | |
| | | *For ASTM 120, Deduct* | *-155.67* | |
| | | *For Work In Restricted Working Space, Add* | *55.42* | |
| 22 11 16 00-0095 | EA | 6", 150 Lb., Galvanized Malleable Iron Tee | 1,388.24 | 140.82 |
| | | *For 300 Lb. Rating, Add* | *4,014.88* | |
| | | *For ASTM 120, Deduct* | *-176.57* | |
| | | *For Work In Restricted Working Space, Add* | *63.34* | |
| 22 11 16 00-0096 | EA | 8", 150 Lb., Galvanized Malleable Iron Tee | 1,651.99 | 167.21 |
| | | *For 300 Lb. Rating, Add* | *4,770.58* | |
| | | *For ASTM 120, Deduct* | *-209.80* | |
| | | *For Work In Restricted Working Space, Add* | *76.01* | |

## 22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0098 | EA | 1/2", 150 Lb., Galvanized Malleable Iron Reducing Tee | 47.42 | 23.93 |
| | | *For 300 Lb. Rating, Add* | *41.22* | |
| | | *For ASTM 120, Deduct* | *-1.72* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 22 11 16 00-0099 | EA | 3/4", 150 Lb., Galvanized Malleable Iron Reducing Tee | 52.79 | 27.70 |
| | | *For 300 Lb. Rating, Add* | *41.01* | |
| | | *For ASTM 120, Deduct* | *-1.70* | |
| | | *For Work In Restricted Working Space, Add* | *12.44* | |
| 22 11 16 00-0100 | EA | 1", 150 Lb., Galvanized Malleable Iron Reducing Tee | 64.92 | 32.66 |
| | | *For 300 Lb. Rating, Add* | *57.10* | |
| | | *For ASTM 120, Deduct* | *-2.39* | |
| | | *For Work In Restricted Working Space, Add* | *14.70* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0101 | EA | 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing Tee | 82.96 | 38.91 |
| | | *For 300 Lb. Rating, Add* | *87.48* | |
| | | *For ASTM 120, Deduct* | *-3.71* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 11 16 00-0102 | EA | 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing Tee | 100.04 | 46.35 |
| | | *For 300 Lb. Rating, Add* | *107.87* | |
| | | *For ASTM 120, Deduct* | *-4.58* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 11 16 00-0103 | EA | 2", 150 Lb., Galvanized Malleable Iron Reducing Tee | 130.77 | 57.56 |
| | | *For 300 Lb. Rating, Add* | *156.61* | |
| | | *For ASTM 120, Deduct* | *-6.68* | |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 11 16 00-0104 | EA | 2-1/2", 150 Lb., Galvanized Malleable Iron Reducing Tee | 251.32 | 62.73 |
| | | *For 300 Lb. Rating, Add* | *540.46* | |
| | | *For ASTM 120, Deduct* | *-23.60* | |
| | | *For Work In Restricted Working Space, Add* | *28.21* | |
| 22 11 16 00-0105 | EA | 3", 150 Lb., Galvanized Malleable Iron Reducing Tee | 319.26 | 76.86 |
| | | *For 300 Lb. Rating, Add* | *700.52* | |
| | | *For ASTM 120, Deduct* | *-30.60* | |
| | | *For Work In Restricted Working Space, Add* | *34.58* | |
| 22 11 16 00-0106 | EA | 4", 150 Lb., Galvanized Malleable Iron Reducing Tee | 746.93 | 103.77 |
| | | *For 300 Lb. Rating, Add* | *2,019.99* | |
| | | *For ASTM 120, Deduct* | *-88.71* | |
| | | *For Work In Restricted Working Space, Add* | *46.67* | |
| 22 11 16 00-0107 | EA | 5", 150 Lb., Galvanized Malleable Iron Reducing Tee | 1,556.11 | 123.19 |
| | | *For 300 Lb. Rating, Add* | *4,673.78* | |
| | | *For ASTM 120, Deduct* | *-205.71* | |
| | | *For Work In Restricted Working Space, Add* | *55.42* | |
| 22 11 16 00-0108 | EA | 6", 150 Lb., Galvanized Malleable Iron Reducing Tee | 1,766.91 | 140.82 |
| | | *For 300 Lb. Rating, Add* | *5,302.35* | |
| | | *For ASTM 120, Deduct* | *-233.37* | |
| | | *For Work In Restricted Working Space, Add* | *63.34* | |
| 22 11 16 00-0109 | EA | 8", 150 Lb., Galvanized Malleable Iron Reducing Tee | 2,118.66 | 161.70 |
| | | *For 300 Lb. Rating, Add* | *6,392.56* | |
| | | *For ASTM 120, Deduct* | *-281.38* | |
| | | *For Work In Restricted Working Space, Add* | *72.83* | |

## 22 11 16 00-0110 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0111 | EA | 1/2", 150 Lb., Galvanized Malleable Iron Coupling | 37.99 | 19.19 |
| | | *For 300 Lb. Rating, Add* | *33.14* | |
| | | *For ASTM 120, Deduct* | *-1.39* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0112 | EA | 3/4", 150 Lb., Galvanized Malleable Iron Coupling | 42.82 | 21.46 |
| | | *For 300 Lb. Rating, Add* | *38.14* | |
| | | *For ASTM 120, Deduct* | *-1.60* | |
| | | *For Work In Restricted Working Space, Add* | *9.65* | |
| 22 11 16 00-0113 | EA | 1", 150 Lb., Galvanized Malleable Iron Coupling | 53.38 | 23.93 |
| | | *For 300 Lb. Rating, Add* | *61.49* | |
| | | *For ASTM 120, Deduct* | *-2.62* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 22 11 16 00-0114 | EA | 1-1/4", 150 Lb., Galvanized Malleable Iron Coupling | 65.29 | 27.17 |
| | | *For 300 Lb. Rating, Add* | *86.15* | |
| | | *For ASTM 120, Deduct* | *-3.69* | |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 22 11 16 00-0115 | EA | 1-1/2", 150 Lb., Galvanized Malleable Iron Coupling | 73.85 | 30.61 |
| | | *For 300 Lb. Rating, Add* | *97.88* | |
| | | *For ASTM 120, Deduct* | *-4.20* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 11 16 00-0116 | EA | 2", 150 Lb., Galvanized Malleable Iron Coupling | 99.17 | 38.91 |
| | | *For 300 Lb. Rating, Add* | *142.59* | |
| | | *For ASTM 120, Deduct* | *-6.14* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 11 16 00-0117 | EA | 2-1/2", 150 Lb., Galvanized Malleable Iron Coupling | 211.46 | 57.56 |
| | | *For 300 Lb. Rating, Add* | *430.96* | |
| | | *For ASTM 120, Deduct* | *-18.78* | |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 11 16 00-0118 | EA | 3", 150 Lb., Galvanized Malleable Iron Coupling | 280.84 | 75.67 |
| | | *For 300 Lb. Rating, Add* | *575.90* | |
| | | *For ASTM 120, Deduct* | *-25.11* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 11 16 00-0119 | EA | 4", 150 Lb., Galvanized Malleable Iron Coupling | 478.63 | 82.12 |
| | | *For 300 Lb. Rating, Add* | *1,216.02* | |
| | | *For ASTM 120, Deduct* | *-53.32* | |
| | | *For Work In Restricted Working Space, Add* | *36.95* | |
| 22 11 16 00-0120 | EA | 5", 150 Lb., Galvanized Malleable Iron Coupling | 1,129.44 | 85.71 |
| | | *For 300 Lb. Rating, Add* | *3,410.91* | |
| | | *For ASTM 120, Deduct* | *-150.14* | |
| | | *For Work In Restricted Working Space, Add* | *38.55* | |
| 22 11 16 00-0121 | EA | 6", 150 Lb., Galvanized Malleable Iron Coupling | 1,274.69 | 89.62 |
| | | *For 300 Lb. Rating, Add* | *3,885.22* | |
| | | *For ASTM 120, Deduct* | *-171.05* | |
| | | *For Work In Restricted Working Space, Add* | *40.31* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0122 | EA | 8", 150 Lb., Galvanized Malleable Iron Coupling | 1,514.75 | 93.65 |
| | | *For 300 Lb. Rating, Add* | *4,681.21* | |
| | | *For ASTM 120, Deduct* | *-206.15* | |
| | | *For Work In Restricted Working Space, Add* | *42.12* | |

## 22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0124 | EA | 1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling | 39.96 | 19.19 |
| | | *For 300 Lb. Rating, Add* | *39.84* | |
| | | *For ASTM 120, Deduct* | *-1.68* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0125 | EA | 3/4", 150 Lb., Galvanized Malleable Iron Reducing Coupling | 44.16 | 21.46 |
| | | *For 300 Lb. Rating, Add* | *42.70* | |
| | | *For ASTM 120, Deduct* | *-1.80* | |
| | | *For Work In Restricted Working Space, Add* | *9.65* | |
| 22 11 16 00-0126 | EA | 1", 150 Lb., Galvanized Malleable Iron Reducing Coupling | 55.91 | 23.93 |
| | | *For 300 Lb. Rating, Add* | *70.09* | |
| | | *For ASTM 120, Deduct* | *-3.00* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 22 11 16 00-0127 | EA | 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing Coupling | 66.50 | 27.17 |
| | | *For 300 Lb. Rating, Add* | *90.26* | |
| | | *For ASTM 120, Deduct* | *-3.87* | |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 22 11 16 00-0128 | EA | 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling | 79.19 | 30.61 |
| | | *For 300 Lb. Rating, Add* | *116.04* | |
| | | *For ASTM 120, Deduct* | *-5.00* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 11 16 00-0129 | EA | 2", 150 Lb., Galvanized Malleable Iron Reducing Coupling | 103.71 | 38.91 |
| | | *For 300 Lb. Rating, Add* | *158.03* | |
| | | *For ASTM 120, Deduct* | *-6.82* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 11 16 00-0130 | EA | 2-1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling | 213.05 | 57.56 |
| | | *For 300 Lb. Rating, Add* | *436.36* | |
| | | *For ASTM 120, Deduct* | *-19.02* | |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 11 16 00-0131 | EA | 3", 150 Lb., Galvanized Malleable Iron Reducing Coupling | 276.09 | 75.67 |
| | | *For 300 Lb. Rating, Add* | *559.75* | |
| | | *For ASTM 120, Deduct* | *-24.39* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 11 16 00-0132 | EA | 4", 150 Lb., Galvanized Malleable Iron Reducing Coupling | 487.78 | 82.12 |
| | | *For 300 Lb. Rating, Add* | *1,247.13* | |
| | | *For ASTM 120, Deduct* | *-54.69* | |
| | | *For Work In Restricted Working Space, Add* | *36.95* | |
| 22 11 16 00-0133 | EA | 5", 150 Lb., Galvanized Malleable Iron Reducing Coupling | 1,182.13 | 85.71 |
| | | *For 300 Lb. Rating, Add* | *3,590.05* | |
| | | *For ASTM 120, Deduct* | *-158.04* | |
| | | *For Work In Restricted Working Space, Add* | *38.55* | |
| 22 11 16 00-0134 | EA | 6", 150 Lb., Galvanized Malleable Iron Reducing Coupling | 1,334.71 | 89.62 |
| | | *For 300 Lb. Rating, Add* | *4,089.29* | |
| | | *For ASTM 120, Deduct* | *-180.05* | |
| | | *For Work In Restricted Working Space, Add* | *40.31* | |
| 22 11 16 00-0135 | EA | 8", 150 Lb., Galvanized Malleable Iron Reducing Coupling | 1,587.62 | 93.65 |
| | | *For 300 Lb. Rating, Add* | *4,928.97* | |
| | | *For ASTM 120, Deduct* | *-217.08* | |
| | | *For Work In Restricted Working Space, Add* | *42.12* | |

## 22 11 16 00-0136 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0137 | EA | 1/2", 150 Lb., Galvanized Malleable Iron Cap | 15.57 | 8.94 |
| | | *For 300 Lb. Rating, Add* | *7.91* | |
| | | *For ASTM 120, Deduct* | *-0.31* | |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 22 11 16 00-0138 | EA | 3/4", 150 Lb., Galvanized Malleable Iron Cap | 17.26 | 9.59 |
| | | *For 300 Lb. Rating, Add* | *10.69* | |
| | | *For ASTM 120, Deduct* | *-0.43* | |
| | | *For Work In Restricted Working Space, Add* | *4.31* | |
| 22 11 16 00-0139 | EA | 1", 150 Lb., Galvanized Malleable Iron Cap | 20.17 | 11.10 |
| | | *For 300 Lb. Rating, Add* | *13.20* | |
| | | *For ASTM 120, Deduct* | *-0.54* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0140 | EA | 1-1/4", 150 Lb., Galvanized Malleable Iron Cap | 22.11 | 11.64 |
| | | *For 300 Lb. Rating, Add* | *17.09* | |
| | | *For ASTM 120, Deduct* | *-0.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 22 11 16 00-0141 | EA | 1-1/2", 150 Lb., Galvanized Malleable Iron Cap | 21.81 | 11.64 |
| | | *For 300 Lb. Rating, Add* | *16.07* | |
| | | *For ASTM 120, Deduct* | *-0.66* | |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 22 11 16 00-0142 | EA | 2", 150 Lb., Galvanized Malleable Iron Cap | 32.64 | 15.41 |
| | | *For 300 Lb. Rating, Add* | *33.55* | |
| | | *For ASTM 120, Deduct* | *-1.42* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0143 | EA | 2-1/2", 150 Lb., Galvanized Malleable Iron Cap | 49.98 | 19.19 |
| | | *For 300 Lb. Rating, Add* | *73.91* | |
| | | *For ASTM 120, Deduct* | *-3.18* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0144 | EA | 3", 150 Lb., Galvanized Malleable Iron Cap | 65.00 | 23.18 |
| | | *For 300 Lb. Rating, Add* | *104.87* | |
| | | *For ASTM 120, Deduct* | *-4.53* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 11 16 00-0145 | EA | 4", 150 Lb., Galvanized Malleable Iron Cap | 98.74 | 28.18 |
| | | *For 300 Lb. Rating, Add* | *194.67* | |
| | | *For ASTM 120, Deduct* | *-8.48* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 22 11 16 00-0146 | EA | 5", 150 Lb., Galvanized Malleable Iron Cap | 240.39 | 35.26 |
| | | *For 300 Lb. Rating, Add* | *641.04* | |
| | | *For ASTM 120, Deduct* | *-28.14* | |
| | | *For Work In Restricted Working Space, Add* | *15.83* | |
| 22 11 16 00-0147 | EA | 6", 150 Lb., Galvanized Malleable Iron Cap | 299.33 | 41.90 |
| | | *For 300 Lb. Rating, Add* | *807.67* | |
| | | *For ASTM 120, Deduct* | *-35.47* | |
| | | *For Work In Restricted Working Space, Add* | *18.87* | |
| 22 11 16 00-0148 | EA | 8", 150 Lb., Galvanized Malleable Iron Cap | 376.62 | 46.82 |
| | | *For 300 Lb. Rating, Add* | *1,046.04* | |
| | | *For ASTM 120, Deduct* | *-45.96* | |
| | | *For Work In Restricted Working Space, Add* | *21.06* | |

## 22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions *(22 11 16 00-0013)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0150 | EA | 1/2", 150 Lb., Galvanized Malleable Iron Union | 49.90 | 23.93 |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 22 11 16 00-0151 | EA | 3/4", 150 Lb., Galvanized Malleable Iron Union | 57.51 | 27.70 |
| | | *For Work In Restricted Working Space, Add* | *12.44* | |
| 22 11 16 00-0152 | EA | 1", 150 Lb., Galvanized Malleable Iron Union | 70.01 | 32.66 |
| | | *For Work In Restricted Working Space, Add* | *14.70* | |
| 22 11 16 00-0153 | EA | 1-1/4", 150 Lb., Galvanized Malleable Iron Union | 88.65 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 11 16 00-0154 | EA | 1-1/2", 150 Lb., Galvanized Malleable Iron Union | 106.36 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 11 16 00-0155 | EA | 2", 150 Lb., Galvanized Malleable Iron Union | 128.56 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 11 16 00-0156 | EA | 2-1/2", 150 Lb., Galvanized Malleable Iron Union | 274.33 | 84.83 |
| | | *For Work In Restricted Working Space, Add* | *38.19* | |
| 22 11 16 00-0157 | EA | 3", 150 Lb., Galvanized Malleable Iron Union | 373.29 | 111.57 |
| | | *For Work In Restricted Working Space, Add* | *50.25* | |
| 22 11 16 00-0158 | EA | 1/2", 250 Lb., Galvanized Malleable Iron Union | 64.33 | 23.93 |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 22 11 16 00-0159 | EA | 3/4", 250 Lb., Galvanized Malleable Iron Union | 67.27 | 27.70 |
| | | *For Work In Restricted Working Space, Add* | *12.44* | |
| 22 11 16 00-0160 | EA | 1", 250 Lb., Galvanized Malleable Iron Union | 80.99 | 32.66 |
| | | *For Work In Restricted Working Space, Add* | *14.70* | |
| 22 11 16 00-0161 | EA | 1-1/4", 250 Lb., Galvanized Malleable Iron Union | 106.71 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 11 16 00-0162 | EA | 1-1/2", 250 Lb., Galvanized Malleable Iron Union | 125.32 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 11 16 00-0163 | EA | 2", 250 Lb., Galvanized Malleable Iron Union | 165.01 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 11 16 00-0164 | EA | 2-1/2", 250 Lb., Galvanized Malleable Iron Union | 334.54 | 84.83 |
| | | *For Work In Restricted Working Space, Add* | *38.19* | |
| 22 11 16 00-0165 | EA | 3", 250 Lb., Galvanized Malleable Iron Union | 485.45 | 111.57 |
| | | *For Work In Restricted Working Space, Add* | *50.25* | |
| 22 11 16 00-0166 | EA | 4", 250 Lb., Galvanized Malleable Iron Union | 680.57 | 121.18 |
| | | *For Work In Restricted Working Space, Add* | *54.54* | |
| 22 11 16 00-0167 | EA | 1/2", 300 Lb., Galvanized Malleable Iron Union | 68.30 | 23.93 |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 22 11 16 00-0168 | EA | 3/4", 300 Lb., Galvanized Malleable Iron Union | 76.56 | 27.70 |
| | | *For Work In Restricted Working Space, Add* | *12.44* | |
| 22 11 16 00-0169 | EA | 1", 300 Lb., Galvanized Malleable Iron Union | 95.55 | 32.66 |
| | | *For Work In Restricted Working Space, Add* | *14.70* | |
| 22 11 16 00-0170 | EA | 1-1/4", 300 Lb., Galvanized Malleable Iron Union | 123.18 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 11 16 00-0171 | EA | 1-1/2", 300 Lb., Galvanized Malleable Iron Union | 147.71 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 11 16 00-0172 | EA | 2", 300 Lb., Galvanized Malleable Iron Union | 180.06 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 11 16 00-0173 | EA | 2-1/2", 300 Lb., Galvanized Malleable Iron Union | 389.02 | 84.83 |
| | | *For Work In Restricted Working Space, Add* | *38.19* | |
| 22 11 16 00-0174 | EA | 3", 300 Lb., Galvanized Malleable Iron Union | 610.12 | 111.57 |
| | | *For Work In Restricted Working Space, Add* | *50.25* | |
| 22 11 16 00-0175 | EA | 4", 300 Lb., Galvanized Malleable Iron Union | 1,291.93 | 121.18 |
| | | *For Work In Restricted Working Space, Add* | *54.54* | |

## 22 11 16 00-0176 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0177 | EA | 3/8" x Close, Schedule 40 Galvanized Steel Nipple | 18.53 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.57* | |
| | | *For ASTM 120, Deduct* | *-0.47* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0178 | EA | 1/2" x Close, Schedule 40 Galvanized Steel Nipple | 17.93 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.88* | |
| | | *For ASTM 120, Deduct* | *-0.38* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0179 | EA | 3/4" x Close, Schedule 40 Galvanized Steel Nipple | 18.47 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.50* | |
| | | *For ASTM 120, Deduct* | *-0.46* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0180 | EA | 1" x Close, Schedule 40 Galvanized Steel Nipple | 20.79 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *4.80* | |
| | | *For ASTM 120, Deduct* | *-0.63* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0181 | EA | 1-1/4" x Close, Schedule 40 Galvanized Steel Nipple | 23.62 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *6.44* | |
| | | *For ASTM 120, Deduct* | *-0.85* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0182 | EA | 1-1/2" x Close, Schedule 40 Galvanized Steel Nipple | 24.60 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *7.56* | |
| | | *For ASTM 120, Deduct* | *-0.99* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0183 | EA | 2" x Close, Schedule 40 Galvanized Steel Nipple | 32.53 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *10.66* | |
| | | *For ASTM 120, Deduct* | *-1.40* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 11 16 00-0184 | EA | 2-1/2" x Close, Schedule 40 Galvanized Steel Nipple | 56.58 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *31.73* | |
| | | *For ASTM 120, Deduct* | *-4.17* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0185 | EA | 3" x Close, Schedule 40 Galvanized Steel Nipple | 68.12 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *38.02* | |
| | | *For ASTM 120, Deduct* | *-5.00* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 11 16 00-0186 | EA | 4" x Close, Schedule 40 Galvanized Steel Nipple | 92.21 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *56.98* | |
| | | *For ASTM 120, Deduct* | *-7.50* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 22 11 16 00-0187 | EA | 3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple | 18.99 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *4.09* | |
| | | *For ASTM 120, Deduct* | *-0.54* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0188 | EA | 1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple | 18.06 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.03* | |
| | | *For ASTM 120, Deduct* | *-0.40* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0189 | EA | 3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple | 18.74 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.81* | |
| | | *For ASTM 120, Deduct* | *-0.50* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0190 | EA | 3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple | 18.99 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *4.09* | |
| | | *For ASTM 120, Deduct* | *-0.54* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0191 | EA | 1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple | 18.06 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.03* | |
| | | *For ASTM 120, Deduct* | *-0.40* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0192 | EA | 3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple | 18.74 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.81* | |
| | | *For ASTM 120, Deduct* | *-0.50* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0193 | EA | 1" x 2" Long, Schedule 40 Galvanized Steel Nipple | 21.55 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *5.67* | |
| | | *For ASTM 120, Deduct* | *-0.75* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0194 | EA | 1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple | 24.03 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *6.91* | |
| | | *For ASTM 120, Deduct* | *-0.91* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0195 | EA | 1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple | 25.09 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *8.12* | |
| | | *For ASTM 120, Deduct* | *-1.07* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0196 | EA | 3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple | 20.18 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *5.45* | |
| | | *For ASTM 120, Deduct* | *-0.72* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0197 | EA | 1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple | 18.53 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.57* | |
| | | *For ASTM 120, Deduct* | *-0.47* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0198 | EA | 3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple | 19.10 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *4.22* | |
| | | *For ASTM 120, Deduct* | *-0.56* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0199 | EA | 1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple | 21.96 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *6.13* | |
| | | *For ASTM 120, Deduct* | *-0.81* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0200 | EA | 1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple | 24.63 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *7.59* | |
| | | *For ASTM 120, Deduct* | *-1.00* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0201 | EA | 1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple | 25.91 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *9.05* | |
| | | *For ASTM 120, Deduct* | *-1.19* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0202 | EA | 2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple | 33.70 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *11.99* | |
| | | *For ASTM 120, Deduct* | *-1.58* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 11 16 00-0203 | EA | 3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple | 20.18 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *5.45* | |
| | | *For ASTM 120, Deduct* | *-0.72* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0204 | EA | 1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple | 18.53 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.57* | |
| | | *For ASTM 120, Deduct* | *-0.47* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0205 | EA | 3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple | 19.10 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *4.22* | |
| | | *For ASTM 120, Deduct* | *-0.56* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0206 | EA | 1" x 3" Long, Schedule 40 Galvanized Steel Nipple | 21.96 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *6.13* | |
| | | *For ASTM 120, Deduct* | *-0.81* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0207 | EA | 1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple | 24.63 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *7.59* | |
| | | *For ASTM 120, Deduct* | *-1.00* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0208 | EA | 1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple | 25.91 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *9.05* | |
| | | *For ASTM 120, Deduct* | *-1.19* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0209 | EA | 2" x 3" Long, Schedule 40 Galvanized Steel Nipple | 33.70 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *11.99* | |
| | | *For ASTM 120, Deduct* | *-1.58* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 11 16 00-0210 | EA | 2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple | 57.64 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *32.93* | |
| | | *For ASTM 120, Deduct* | *-4.33* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0211 | EA | 3" x 3" Long, Schedule 40 Galvanized Steel Nipple | 72.71 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *43.25* | |
| | | *For ASTM 120, Deduct* | *-5.69* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 11 16 00-0212 | EA | 3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple | 21.08 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *6.48* | |
| | | *For ASTM 120, Deduct* | *-0.85* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0213 | EA | 1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple | 19.26 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *4.40* | |
| | | *For ASTM 120, Deduct* | *-0.58* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0214 | EA | 3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple | 20.18 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *5.45* | |
| | | *For ASTM 120, Deduct* | *-0.72* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0215 | EA | 1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple | 23.05 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *7.38* | |
| | | *For ASTM 120, Deduct* | *-0.97* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0216 | EA | 1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple | 25.91 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *9.05* | |
| | | *For ASTM 120, Deduct* | *-1.19* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0217 | EA | 1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple | 28.00 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *11.43* | |
| | | *For ASTM 120, Deduct* | *-1.50* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0218 | EA | 2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple | 35.95 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *14.56* | |
| | | *For ASTM 120, Deduct* | *-1.92* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0219 | EA | 2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple | 62.29 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *38.24* | |
| | | *For ASTM 120, Deduct* | *-5.03* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0220 | EA | 3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple | 79.29 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *50.75* | |
| | | *For ASTM 120, Deduct* | *-6.68* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 11 16 00-0221 | EA | 3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple | 21.08 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *6.48* | |
| | | *For ASTM 120, Deduct* | *-0.85* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0222 | EA | 1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple | 19.26 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *4.40* | |
| | | *For ASTM 120, Deduct* | *-0.58* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0223 | EA | 3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple | 21.08 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *6.48* | |
| | | *For ASTM 120, Deduct* | *-0.85* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0224 | EA | 1" x 4" Long, Schedule 40 Galvanized Steel Nipple | 23.05 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *7.38* | |
| | | *For ASTM 120, Deduct* | *-0.97* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0225 | EA | 1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple | 25.91 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *9.05* | |
| | | *For ASTM 120, Deduct* | *-1.19* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0226 | EA | 1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple | 28.00 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *11.43* | |
| | | *For ASTM 120, Deduct* | *-1.50* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0227 | EA | 2" x 4" Long, Schedule 40 Galvanized Steel Nipple | 36.06 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *14.68* | |
| | | *For ASTM 120, Deduct* | *-1.93* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 11 16 00-0228 | EA | 2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple | 62.29 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *38.24* | |
| | | *For ASTM 120, Deduct* | *-5.03* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0229 | EA | 3" x 4" Long, Schedule 40 Galvanized Steel Nipple | 79.29 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *50.75* | |
| | | *For ASTM 120, Deduct* | *-6.68* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 11 16 00-0230 | EA | 4" x 4" Long, Schedule 40 Galvanized Steel Nipple | 101.99 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *68.13* | |
| | | *For ASTM 120, Deduct* | *-8.96* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 22 11 16 00-0231 | EA | 3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple | 23.23 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *8.93* | |
| | | *For ASTM 120, Deduct* | *-1.17* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0232 | EA | 1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple | 20.05 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *5.30* | |
| | | *For ASTM 120, Deduct* | *-0.70* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0233 | EA | 3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple | 21.11 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *6.51* | |
| | | *For ASTM 120, Deduct* | *-0.86* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0234 | EA | 1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple | 24.52 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *9.05* | |
| | | *For ASTM 120, Deduct* | *-1.19* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0235 | EA | 1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple | 27.78 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *11.18* | |
| | | *For ASTM 120, Deduct* | *-1.47* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0236 | EA | 1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple | 30.09 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *13.82* | |
| | | *For ASTM 120, Deduct* | *-1.82* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0237 | EA | 2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple | 39.49 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *18.59* | |
| | | *For ASTM 120, Deduct* | *-2.45* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 11 16 00-0238 | EA | 2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple | 66.15 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *42.64* | |
| | | *For ASTM 120, Deduct* | *-5.61* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0239 | EA | 3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple | 86.65 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *59.14* | |
| | | *For ASTM 120, Deduct* | *-7.78* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0240 | EA | 4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple | 109.25 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *76.40* | |
| | | *For ASTM 120, Deduct* | *-10.05* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 22 11 16 00-0241 | EA | 3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple | 23.23 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *8.93* | |
| | | *For ASTM 120, Deduct* | *-1.17* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0242 | EA | 1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple | 20.05 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *5.30* | |
| | | *For ASTM 120, Deduct* | *-0.70* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0243 | EA | 3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple | 21.11 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *6.51* | |
| | | *For ASTM 120, Deduct* | *-0.86* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0244 | EA | 1" x 5" Long, Schedule 40 Galvanized Steel Nipple | 24.52 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *9.05* | |
| | | *For ASTM 120, Deduct* | *-1.19* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0245 | EA | 1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple | 27.78 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *11.18* | |
| | | *For ASTM 120, Deduct* | *-1.47* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0246 | EA | 1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple | 30.09 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *13.82* | |
| | | *For ASTM 120, Deduct* | *-1.82* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0247 | EA | 2" x 5" Long, Schedule 40 Galvanized Steel Nipple | 39.49 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *18.59* | |
| | | *For ASTM 120, Deduct* | *-2.45* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 11 16 00-0248 | EA | 2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple | 66.15 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *42.64* | |
| | | *For ASTM 120, Deduct* | *-5.61* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0249 | EA | 3" x 5" Long, Schedule 40 Galvanized Steel Nipple | 86.65 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *59.14* | |
| | | *For ASTM 120, Deduct* | *-7.78* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 11 16 00-0250 | EA | 4" x 5" Long, Schedule 40 Galvanized Steel Nipple | 109.25 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *76.40* | |
| | | *For ASTM 120, Deduct* | *-10.05* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 22 11 16 00-0251 | EA | 3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple | 24.10 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *9.92* | |
| | | *For ASTM 120, Deduct* | *-1.31* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0252 | EA | 1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple | 20.67 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *6.01* | |
| | | *For ASTM 120, Deduct* | *-0.79* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0253 | EA | 3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple | 22.25 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *7.81* | |
| | | *For ASTM 120, Deduct* | *-1.03* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0254 | EA | 1" x 6" Long, Schedule 40 Galvanized Steel Nipple | 25.58 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *10.26* | |
| | | *For ASTM 120, Deduct* | *-1.35* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0255 | EA | 1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple | 29.36 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *12.98* | |
| | | *For ASTM 120, Deduct* | *-1.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0256 | EA | 1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple | 31.61 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *15.55* | |
| | | *For ASTM 120, Deduct* | *-2.05* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0257 | EA | 2" x 6" Long, Schedule 40 Galvanized Steel Nipple | 42.12 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *21.59* | |
| | | *For ASTM 120, Deduct* | *-2.84* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 11 16 00-0258 | EA | 2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple | 69.84 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *46.84* | |
| | | *For ASTM 120, Deduct* | *-6.16* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0259 | EA | 3" x 6" Long, Schedule 40 Galvanized Steel Nipple | 89.64 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *62.55* | |
| | | *For ASTM 120, Deduct* | *-8.23* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 11 16 00-0260 | EA | 4" x 6" Long, Schedule 40 Galvanized Steel Nipple | 116.31 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *84.45* | |
| | | *For ASTM 120, Deduct* | *-11.11* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0261 | EA | 3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple | 50.16 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *39.63* | |
| | | *For ASTM 120, Deduct* | *-5.21* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0262 | EA | 1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple | 24.69 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *10.59* | |
| | | *For ASTM 120, Deduct* | *-1.39* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0263 | EA | 3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple | 27.28 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *13.54* | |
| | | *For ASTM 120, Deduct* | *-1.78* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0264 | EA | 1" x 8" Long, Schedule 40 Galvanized Steel Nipple | 31.64 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *17.17* | |
| | | *For ASTM 120, Deduct* | *-2.26* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0265 | EA | 1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple | 36.42 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *21.03* | |
| | | *For ASTM 120, Deduct* | *-2.77* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0266 | EA | 1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple | 39.14 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *24.13* | |
| | | *For ASTM 120, Deduct* | *-3.18* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0267 | EA | 2" x 8" Long, Schedule 40 Galvanized Steel Nipple | 54.05 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *35.19* | |
| | | *For ASTM 120, Deduct* | *-4.63* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 11 16 00-0268 | EA | 2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple | 81.64 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *60.29* | |
| | | *For ASTM 120, Deduct* | *-7.93* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0269 | EA | 3" x 8" Long, Schedule 40 Galvanized Steel Nipple | 108.69 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *84.27* | |
| | | *For ASTM 120, Deduct* | *-11.09* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 11 16 00-0270 | EA | 4" x 8" Long, Schedule 40 Galvanized Steel Nipple | 130.64 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *100.79* | |
| | | *For ASTM 120, Deduct* | *-13.26* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 22 11 16 00-0271 | EA | 3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple | 31.98 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *18.90* | |
| | | *For ASTM 120, Deduct* | *-2.49* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0272 | EA | 1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple | 26.43 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *12.57* | |
| | | *For ASTM 120, Deduct* | *-1.65* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0273 | EA | 3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple | 28.58 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *15.03* | |
| | | *For ASTM 120, Deduct* | *-1.98* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0274 | EA | 1" x 10" Long, Schedule 40 Galvanized Steel Nipple | 33.78 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *19.61* | |
| | | *For ASTM 120, Deduct* | *-2.58* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0275 | EA | 1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple | 40.04 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *25.16* | |
| | | *For ASTM 120, Deduct* | *-3.31* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0276 | EA | 1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple | 42.65 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *28.14* | |
| | | *For ASTM 120, Deduct* | *-3.70* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0277 | EA | 2" x 10" Long, Schedule 40 Galvanized Steel Nipple | 59.30 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *41.18* | |
| | | *For ASTM 120, Deduct* | *-5.42* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 11 16 00-0278 | EA | 2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple | 89.03 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *68.72* | |
| | | *For ASTM 120, Deduct* | *-9.04* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0279 | EA | 3" x 10" Long, Schedule 40 Galvanized Steel Nipple | 119.10 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *96.14* | |
| | | *For ASTM 120, Deduct* | *-12.65* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 11 16 00-0280 | EA | 4" x 10" Long, Schedule 40 Galvanized Steel Nipple | 144.69 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *116.80* | |
| | | *For ASTM 120, Deduct* | *-15.37* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 22 11 16 00-0281 | EA | 3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple | 33.77 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *20.94* | |
| | | *For ASTM 120, Deduct* | *-2.76* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0282 | EA | 1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple | 27.96 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *14.32* | |
| | | *For ASTM 120, Deduct* | *-1.88* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0283 | EA | 3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple | 30.18 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *16.85* | |
| | | *For ASTM 120, Deduct* | *-2.22* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0284 | EA | 1" x 12" Long, Schedule 40 Galvanized Steel Nipple | 36.61 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *22.83* | |
| | | *For ASTM 120, Deduct* | *-3.00* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 22 11 16 00-0285 | EA | 1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple | 44.47 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *30.21* | |
| | | *For ASTM 120, Deduct* | *-3.98* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0286 | EA | 1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple | 46.21 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *32.19* | |
| | | *For ASTM 120, Deduct* | *-4.24* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 22 11 16 00-0287 | EA | 2" x 12" Long, Schedule 40 Galvanized Steel Nipple | 64.62 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *47.24* | |
| | | *For ASTM 120, Deduct* | *-6.22* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 11 16 00-0288 | EA | 2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple | 96.20 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *76.89* | |
| | | *For ASTM 120, Deduct* | *-10.12* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0289 | EA | 3" x 12" Long, Schedule 40 Galvanized Steel Nipple | 129.59 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *108.09* | |
| | | *For ASTM 120, Deduct* | *-14.22* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 11 16 00-0290 | EA | 4" x 12" Long, Schedule 40 Galvanized Steel Nipple | 158.87 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *132.97* | |
| | | *For ASTM 120, Deduct* | *-17.50* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |

## 22 11 16 00-0291 Galvanized Steel Dielectric Nipples With Polyethylene Liner *(22 11 16 00-0013)*

See CSI section 22 11 16 00-0837 for dielectric unions.

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0292 | EA | 1/2" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 17.79 | 10.24 |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0293 | EA | 1/2" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 18.15 | 10.24 |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0294 | EA | 3/4" Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 18.48 | 10.24 |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0295 | EA | 3/4" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 19.68 | 10.24 |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0296 | EA | 3/4" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 20.92 | 10.24 |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0297 | EA | 3/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 21.67 | 10.24 |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 22 11 16 00-0298 | EA | 1" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 21.17 | 11.10 |
| | | *For Work In Restricted Working Space, Add* | *4.98* | |
| 22 11 16 00-0299 | EA | 1" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 21.56 | 11.10 |
| | | *For Work In Restricted Working Space, Add* | *4.98* | |
| 22 11 16 00-0300 | EA | 1" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 27.57 | 11.10 |
| | | *For Work In Restricted Working Space, Add* | *4.98* | |
| 22 11 16 00-0301 | EA | 1-1/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 29.86 | 11.97 |
| | | *For Work In Restricted Working Space, Add* | *5.40* | |
| 22 11 16 00-0302 | EA | 1-1/2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 33.17 | 11.97 |
| | | *For Work In Restricted Working Space, Add* | *5.40* | |
| 22 11 16 00-0303 | EA | 2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 44.28 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 11 16 00-0304 | EA | 2-1/2" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 52.78 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 11 16 00-0305 | EA | 3" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple | 83.16 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.44* | |

## 22 11 16 00-0306 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0307 | EA | 1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug | 18.70 | 7.66 |
| | | *For 300 Lb. Rating, Add* | *25.17* | |
| | | *For Work In Restricted Working Space, Add* | *3.45* | |
| 22 11 16 00-0308 | EA | 3/4", 150 Lb., Galvanized Malleable Iron Square Head Plug | 20.07 | 8.62 |
| | | *For 300 Lb. Rating, Add* | *25.25* | |
| | | *For Work In Restricted Working Space, Add* | *3.86* | |
| 22 11 16 00-0309 | EA | 1", 150 Lb., Galvanized Malleable Iron Square Head Plug | 22.26 | 9.59 |
| | | *For 300 Lb. Rating, Add* | *27.72* | |
| | | *For Work In Restricted Working Space, Add* | *4.31* | |
| 22 11 16 00-0310 | EA | 1-1/4", 150 Lb., Galvanized Malleable Iron Square Head Plug | 28.41 | 10.89 |
| | | *For 300 Lb. Rating, Add* | *42.25* | |
| | | *For Work In Restricted Working Space, Add* | *4.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0311 | EA | 1-1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug | 34.70 | 12.18 |
| | | *For 300 Lb. Rating, Add* | *56.72* | |
| | | *For Work In Restricted Working Space, Add* | *5.50* | |
| 22 11 16 00-0312 | EA | 2", 150 Lb., Galvanized Malleable Iron Square Head Plug | 44.11 | 15.52 |
| | | *For 300 Lb. Rating, Add* | *72.12* | |
| | | *For Work In Restricted Working Space, Add* | *6.99* | |
| 22 11 16 00-0313 | EA | 2-1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug | 75.06 | 22.96 |
| | | *For 300 Lb. Rating, Add* | *140.01* | |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 11 16 00-0314 | EA | 3", 150 Lb., Galvanized Malleable Iron Square Head Plug | 102.95 | 30.29 |
| | | *For 300 Lb. Rating, Add* | *198.43* | |
| | | *For Work In Restricted Working Space, Add* | *13.62* | |
| 22 11 16 00-0315 | EA | 4", 150 Lb., Galvanized Malleable Iron Square Head Plug | 168.75 | 32.83 |
| | | *For 300 Lb. Rating, Add* | *409.22* | |
| | | *For Work In Restricted Working Space, Add* | *14.78* | |
| 22 11 16 00-0316 | EA | 5", 150 Lb., Galvanized Malleable Iron Square Head Plug | 270.64 | 34.30 |
| | | *For 300 Lb. Rating, Add* | *748.47* | |
| | | *For Work In Restricted Working Space, Add* | *15.42* | |
| 22 11 16 00-0317 | EA | 6", 150 Lb., Galvanized Malleable Iron Square Head Plug | 290.75 | 35.78 |
| | | *For 300 Lb. Rating, Add* | *809.06* | |
| | | *For Work In Restricted Working Space, Add* | *16.12* | |

## 22 11 16 00-0318 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0319 | EA | 3/4" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing | 39.70 | 20.27 |
| | | *For Work In Restricted Working Space, Add* | *9.14* | |
| 22 11 16 00-0320 | EA | 1" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing | 43.38 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| 22 11 16 00-0321 | EA | 1" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing | 44.52 | 22.74 |
| | | *For Work In Restricted Working Space, Add* | *10.22* | |
| 22 11 16 00-0322 | EA | 1-1/4" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing | 50.19 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.41* | |
| 22 11 16 00-0323 | EA | 1-1/4" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing | 50.49 | 24.26 |
| | | *For Work In Restricted Working Space, Add* | *10.93* | |
| 22 11 16 00-0324 | EA | 1-1/4" x 1", 150 Lb., Galvanized Malleable Iron Bushing | 52.37 | 25.54 |
| | | *For Work In Restricted Working Space, Add* | *11.49* | |
| 22 11 16 00-0325 | EA | 1-1/2" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing | 57.76 | 24.90 |
| | | *For Work In Restricted Working Space, Add* | *11.19* | |
| 22 11 16 00-0326 | EA | 1-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing | 59.47 | 25.98 |
| | | *For Work In Restricted Working Space, Add* | *11.71* | |
| 22 11 16 00-0327 | EA | 1-1/2" x 1", 150 Lb., Galvanized Malleable Iron Bushing | 59.34 | 27.27 |
| | | *For Work In Restricted Working Space, Add* | *12.27* | |
| 22 11 16 00-0328 | EA | 1-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing | 60.28 | 28.89 |
| | | *For Work In Restricted Working Space, Add* | *12.98* | |
| 22 11 16 00-0329 | EA | 2" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing | 69.05 | 29.00 |
| | | *For Work In Restricted Working Space, Add* | *13.05* | |
| 22 11 16 00-0330 | EA | 2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing | 68.99 | 30.18 |
| | | *For Work In Restricted Working Space, Add* | *13.57* | |
| 22 11 16 00-0331 | EA | 2" x 1", 150 Lb., Galvanized Malleable Iron Bushing | 69.56 | 31.37 |
| | | *For Work In Restricted Working Space, Add* | *14.13* | |
| 22 11 16 00-0332 | EA | 2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing | 71.94 | 32.99 |
| | | *For Work In Restricted Working Space, Add* | *14.84* | |
| 22 11 16 00-0333 | EA | 2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing | 71.78 | 34.71 |
| | | *For Work In Restricted Working Space, Add* | *15.62* | |
| 22 11 16 00-0334 | EA | 2-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing | 96.17 | 39.46 |
| | | *For Work In Restricted Working Space, Add* | *17.76* | |
| 22 11 16 00-0335 | EA | 2-1/2" x 1", 150 Lb., Galvanized Malleable Iron Bushing | 98.04 | 40.75 |
| | | *For Work In Restricted Working Space, Add* | *18.32* | |
| 22 11 16 00-0336 | EA | 2-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing | 100.42 | 42.26 |
| | | *For Work In Restricted Working Space, Add* | *19.04* | |
| 22 11 16 00-0337 | EA | 2-1/2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing | 102.34 | 44.09 |
| | | *For Work In Restricted Working Space, Add* | *19.82* | |
| 22 11 16 00-0338 | EA | 2-1/2" x 2", 150 Lb., Galvanized Malleable Iron Bushing | 104.39 | 48.18 |
| | | *For Work In Restricted Working Space, Add* | *21.68* | |
| 22 11 16 00-0339 | EA | 3" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing | 121.62 | 48.50 |
| | | *For Work In Restricted Working Space, Add* | *21.85* | |
| 22 11 16 00-0340 | EA | 3" x 1", 150 Lb., Galvanized Malleable Iron Bushing | 123.49 | 49.80 |
| | | *For Work In Restricted Working Space, Add* | *22.41* | |
| 22 11 16 00-0341 | EA | 3" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing | 125.86 | 51.41 |
| | | *For Work In Restricted Working Space, Add* | *23.12* | |
| 22 11 16 00-0342 | EA | 3" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing | 127.50 | 53.14 |
| | | *For Work In Restricted Working Space, Add* | *23.90* | |
| 22 11 16 00-0343 | EA | 3" x 2", 150 Lb., Galvanized Malleable Iron Bushing | 129.23 | 57.23 |
| | | *For Work In Restricted Working Space, Add* | *25.76* | |
| 22 11 16 00-0344 | EA | 3" x 2-1/2", 150 Lb., Galvanized Malleable Iron Bushing | 145.73 | 66.61 |
| | | *For Work In Restricted Working Space, Add* | *29.95* | |
| 22 11 16 00-0345 | EA | 4" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing | 179.60 | 51.51 |
| | | *For Work In Restricted Working Space, Add* | *23.20* | |
| 22 11 16 00-0346 | EA | 4" x 1", 150 Lb., Galvanized Malleable Iron Bushing | 181.43 | 52.78 |
| | | *For Work In Restricted Working Space, Add* | *23.75* | |
| 22 11 16 00-0347 | EA | 4" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing | 183.75 | 54.36 |
| | | *For Work In Restricted Working Space, Add* | *24.45* | |
| 22 11 16 00-0348 | EA | 4" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing | 186.30 | 56.06 |
| | | *For Work In Restricted Working Space, Add* | *25.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0349 | EA | 4" x 2", 150 Lb., Galvanized Malleable Iron Bushing | 180.32 | 60.07 |
| | | *For Work In Restricted Working Space, Add* | *27.03* | |
| 22 11 16 00-0350 | EA | 4" x 2-1/2", 150 Lb., Galvanized Malleable Iron Bushing | 206.06 | 69.25 |
| | | *For Work In Restricted Working Space, Add* | *31.14* | |
| 22 11 16 00-0351 | EA | 4" x 3", 150 Lb., Galvanized Malleable Iron Bushing | 212.64 | 78.11 |
| | | *For Work In Restricted Working Space, Add* | *35.14* | |

## 22 11 16 00-0352 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

Note: Excludes fasteners to floor or wall.

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0353 | EA | 1/2", 150 Lb., Galvanized Malleable Iron Floor Flange | 67.30 | 39.39 |
| 22 11 16 00-0354 | EA | 3/4", 150 Lb., Galvanized Malleable Iron Floor Flange | 73.56 | 43.11 |
| 22 11 16 00-0355 | EA | 1", 150 Lb., Galvanized Malleable Iron Floor Flange | 84.61 | 48.72 |
| 22 11 16 00-0356 | EA | 1-1/4", 150 Lb., Galvanized Malleable Iron Floor Flange | 87.98 | 50.45 |
| 22 11 16 00-0357 | EA | 1-1/2", 150 Lb., Galvanized Malleable Iron Floor Flange | 95.75 | 54.87 |
| 22 11 16 00-0358 | EA | 2", 150 Lb., Galvanized Malleable Iron Floor Flange | 103.43 | 57.23 |

## 22 11 16 00-0359 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0360 | EA | 3/4", 125 Lb., Galvanized Cast Iron Flange | 133.95 | 43.11 |
| | | *For Work In Restricted Working Space, Add* | *19.40* | |
| 22 11 16 00-0361 | EA | 1", 125 Lb., Galvanized Cast Iron Flange | 126.71 | 48.72 |
| | | *For Work In Restricted Working Space, Add* | *21.92* | |
| 22 11 16 00-0362 | EA | 1-1/4", 125 Lb., Galvanized Cast Iron Flange | 103.98 | 50.45 |
| | | *For Work In Restricted Working Space, Add* | *22.69* | |
| 22 11 16 00-0363 | EA | 1-1/2", 125 Lb., Galvanized Cast Iron Flange | 124.15 | 54.87 |
| | | *For Work In Restricted Working Space, Add* | *24.69* | |
| 22 11 16 00-0364 | EA | 2", 125 Lb., Galvanized Cast Iron Flange | 141.27 | 57.23 |
| | | *For Work In Restricted Working Space, Add* | *25.76* | |
| 22 11 16 00-0365 | EA | 2-1/2", 125 Lb., Galvanized Cast Iron Flange | 164.14 | 66.29 |
| | | *For Work In Restricted Working Space, Add* | *29.80* | |
| 22 11 16 00-0366 | EA | 3", 125 Lb., Galvanized Cast Iron Flange | 301.06 | 84.08 |
| | | *For Work In Restricted Working Space, Add* | *37.81* | |
| 22 11 16 00-0367 | EA | 4", 125 Lb., Galvanized Cast Iron Flange | 407.22 | 112.64 |
| | | *For Work In Restricted Working Space, Add* | *50.66* | |
| 22 11 16 00-0368 | EA | 5", 125 Lb., Galvanized Cast Iron Flange | 575.23 | 134.06 |
| | | *For Work In Restricted Working Space, Add* | *60.30* | |
| 22 11 16 00-0369 | EA | 6", 125 Lb., Galvanized Cast Iron Flange | 630.90 | 154.02 |
| | | *For Work In Restricted Working Space, Add* | *69.27* | |
| 22 11 16 00-0370 | EA | 8", 125 Lb., Galvanized Cast Iron Flange | 576.63 | 176.02 |
| | | *For Work In Restricted Working Space, Add* | *79.17* | |

## 22 11 16 00-0371 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0372 | EA | 1/2", Cut And Thread Existing In Place Galvanized Steel Pipe | 35.12 | |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 22 11 16 00-0373 | EA | 3/4", Cut And Thread Existing In Place Galvanized Steel Pipe | 38.63 | |
| | | *For Work In Restricted Working Space, Add* | *11.59* | |
| 22 11 16 00-0374 | EA | 1", Cut And Thread Existing In Place Galvanized Steel Pipe | 42.15 | |
| | | *For Work In Restricted Working Space, Add* | *12.65* | |
| 22 11 16 00-0375 | EA | 1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe | 45.65 | |
| | | *For Work In Restricted Working Space, Add* | *13.70* | |
| 22 11 16 00-0376 | EA | 1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe | 47.99 | |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 22 11 16 00-0377 | EA | 2", Cut And Thread Existing In Place Galvanized Steel Pipe | 50.33 | |
| | | *For Work In Restricted Working Space, Add* | *15.10* | |
| 22 11 16 00-0378 | EA | 2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe | 52.68 | |
| | | *For Work In Restricted Working Space, Add* | *15.80* | |
| 22 11 16 00-0379 | EA | 3", Cut And Thread Existing In Place Galvanized Steel Pipe | 55.01 | |
| | | *For Work In Restricted Working Space, Add* | *16.50* | |
| 22 11 16 00-0380 | EA | 4", Cut And Thread Existing In Place Galvanized Steel Pipe | 57.36 | |
| | | *For Work In Restricted Working Space, Add* | *17.21* | |
| 22 11 16 00-0381 | EA | 6", Cut And Thread Existing In Place Galvanized Steel Pipe | 62.04 | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |
| 22 11 16 00-0382 | EA | 8", Cut And Thread Existing In Place Galvanized Steel Pipe | 66.72 | |
| | | *For Work In Restricted Working Space, Add* | *20.02* | |

## 22 11 16 00-0383 Copper Pipe And Fittings *(22 11 16)*

Note: Excludes hangers. See CSI section 22 11 16 00-0916 for pipe with fittings assembly.

## 22 11 16 00-0384 Copper Tube/Pipe *(22 11 16 00-0383)*

Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).

## 22 11 16 00-0385 Hard Drawn Type L Copper Tube/Pipe *(22 11 16 00-0384)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0386 | LF | 1/4" Hard Drawn Type L Copper Tube/Pipe | 5.65 | 2.64 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.14* | |
| | | *For Up To 20, Add* | *0.61* | |
| | | *For >200, Deduct* | *-0.17* | |
| | | *For Work In Restricted Working Space, Add* | *1.19* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0387 | LF | 3/8" Hard Drawn Type L Copper Tube/Pipe | 6.61 | 2.74 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.20* | |
| | | *For Up To 20, Add* | *0.72* | |
| | | *For >200, Deduct* | *-0.25* | |
| | | *For Work In Restricted Working Space, Add* | *1.24* | |
| 22 11 16 00-0388 | LF | 1/2" Hard Drawn Type L Copper Tube/Pipe | 7.26 | 2.86 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.24* | |
| | | *For Up To 20, Add* | *0.80* | |
| | | *For >200, Deduct* | *-0.30* | |
| | | *For Work In Restricted Working Space, Add* | *1.29* | |
| 22 11 16 00-0389 | LF | 3/4" Hard Drawn Type L Copper Tube/Pipe | 9.37 | 3.03 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.39* | |
| | | *For Up To 20, Add* | *1.06* | |
| | | *For >200, Deduct* | *-0.48* | |
| | | *For Work In Restricted Working Space, Add* | *1.37* | |
| 22 11 16 00-0390 | LF | 1" Hard Drawn Type L Copper Tube/Pipe | 12.08 | 3.40 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.56* | |
| | | *For Up To 20, Add* | *1.38* | |
| | | *For >200, Deduct* | *-0.70* | |
| | | *For Work In Restricted Working Space, Add* | *1.53* | |
| 22 11 16 00-0391 | LF | 1-1/4" Hard Drawn Type L Copper Tube/Pipe | 17.20 | 5.06 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.77* | |
| | | *For Up To 20, Add* | *1.96* | |
| | | *For >200, Deduct* | *-0.96* | |
| | | *For Work In Restricted Working Space, Add* | *2.28* | |
| 22 11 16 00-0392 | LF | 1-1/2" Hard Drawn Type L Copper Tube/Pipe | 20.84 | 5.66 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.99* | |
| | | *For Up To 20, Add* | *2.39* | |
| | | *For >200, Deduct* | *-1.24* | |
| | | *For Work In Restricted Working Space, Add* | *2.54* | |
| 22 11 16 00-0393 | LF | 2" Hard Drawn Type L Copper Tube/Pipe | 30.01 | 6.98 |
| | | *For Medical/Oxygen Service Tubing, Add* | *1.56* | |
| | | *For Up To 20, Add* | *3.49* | |
| | | *For >200, Deduct* | *-1.96* | |
| | | *For Work In Restricted Working Space, Add* | *3.14* | |
| 22 11 16 00-0394 | LF | 2-1/2" Hard Drawn Type L Copper Tube/Pipe | 52.89 | 8.20 |
| | | *For Medical/Oxygen Service Tubing, Add* | *2.26* | |
| | | *For Up To 20, Add* | *6.00* | |
| | | *For >200, Deduct* | *-2.83* | |
| | | *For Work In Restricted Working Space, Add* | *7.39* | |
| 22 11 16 00-0395 | LF | 3" Hard Drawn Type L Copper Tube/Pipe | 66.66 | 9.67 |
| | | *For Medical/Oxygen Service Tubing, Add* | *3.01* | |
| | | *For Up To 20, Add* | *7.61* | |
| | | *For >200, Deduct* | *-3.77* | |
| | | *For Work In Restricted Working Space, Add* | *8.69* | |
| 22 11 16 00-0396 | LF | 4" Hard Drawn Type L Copper Tube/Pipe | 99.86 | 10.91 |
| | | *For Medical/Oxygen Service Tubing, Add* | *5.37* | |
| | | *For Up To 20, Add* | *11.66* | |
| | | *For >200, Deduct* | *-6.72* | |
| | | *For Work In Restricted Working Space, Add* | *9.81* | |
| 22 11 16 00-0397 | LF | 5" Hard Drawn Type L Copper Tube/Pipe | 156.17 | 12.52 |
| | | *For Medical/Oxygen Service Tubing, Add* | *9.49* | |
| | | *For Up To 20, Add* | *18.58* | |
| | | *For >200, Deduct* | *-11.86* | |
| | | *For Work In Restricted Working Space, Add* | *11.27* | |
| 22 11 16 00-0398 | LF | 6" Hard Drawn Type L Copper Tube/Pipe | 214.25 | 19.41 |
| | | *For Medical/Oxygen Service Tubing, Add* | *12.48* | |
| | | *For Up To 20, Add* | *25.33* | |
| | | *For >200, Deduct* | *-15.60* | |
| | | *For Work In Restricted Working Space, Add* | *17.46* | |
| 22 11 16 00-0399 | LF | 8" Hard Drawn Type L Copper Tube/Pipe | 358.79 | 21.58 |
| | | *For Medical/Oxygen Service Tubing, Add* | *23.53* | |
| | | *For Up To 20, Add* | *43.23* | |
| | | *For >200, Deduct* | *-29.41* | |
| | | *For Work In Restricted Working Space, Add* | *19.41* | |

### 22 11 16 00-0400 Hard Drawn Type K Copper Tube/Pipe *(22 11 16 00-0384)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0401 | LF | 1/4" Hard Drawn Type K Copper Tube/Pipe | 6.15 | 2.83 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.15* | |
| | | *For Up To 20, Add* | *0.66* | |
| | | *For >200, Deduct* | *-0.19* | |
| | | *For Work In Restricted Working Space, Add* | *1.27* | |
| 22 11 16 00-0402 | LF | 3/8" Hard Drawn Type K Copper Tube/Pipe | 8.28 | 2.95 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.27* | |
| | | *For Up To 20, Add* | *0.91* | |
| | | *For >200, Deduct* | *-0.34* | |
| | | *For Work In Restricted Working Space, Add* | *1.46* | |
| 22 11 16 00-0403 | LF | 1/2" Hard Drawn Type K Copper Tube/Pipe | 8.76 | 3.07 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.32* | |
| | | *For Up To 20, Add* | *0.98* | |
| | | *For >200, Deduct* | *-0.40* | |
| | | *For Work In Restricted Working Space, Add* | *1.42* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0404 | LF | 3/4" Hard Drawn Type K Copper Tube/Pipe | 12.75 | 3.25 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.58* | |
| | | *For Up To 20, Add* | *1.46* | |
| | | *For >200, Deduct* | *-0.73* | |
| | | *For Work In Restricted Working Space, Add* | *1.64* | |
| 22 11 16 00-0405 | LF | 1" Hard Drawn Type K Copper Tube/Pipe | 15.49 | 3.66 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.77* | |
| | | *For Up To 20, Add* | *1.79* | |
| | | *For >200, Deduct* | *-0.97* | |
| | | *For Work In Restricted Working Space, Add* | *1.75* | |
| 22 11 16 00-0406 | LF | 1-1/4" Hard Drawn Type K Copper Tube/Pipe | 20.29 | 5.45 |
| | | *For Medical/Oxygen Service Tubing, Add* | *0.96* | |
| | | *For Up To 20, Add* | *2.33* | |
| | | *For >200, Deduct* | *-1.20* | |
| | | *For Work In Restricted Working Space, Add* | *2.48* | |
| 22 11 16 00-0407 | LF | 1-1/2" Hard Drawn Type K Copper Tube/Pipe | 24.69 | 6.07 |
| | | *For Medical/Oxygen Service Tubing, Add* | *1.23* | |
| | | *For Up To 20, Add* | *2.85* | |
| | | *For >200, Deduct* | *-1.54* | |
| | | *For Work In Restricted Working Space, Add* | *2.79* | |
| 22 11 16 00-0408 | LF | 2" Hard Drawn Type K Copper Tube/Pipe | 35.05 | 7.50 |
| | | *For Medical/Oxygen Service Tubing, Add* | *1.89* | |
| | | *For Up To 20, Add* | *4.10* | |
| | | *For >200, Deduct* | *-2.37* | |
| | | *For Work In Restricted Working Space, Add* | *3.41* | |
| 22 11 16 00-0409 | LF | 2-1/2" Hard Drawn Type K Copper Tube/Pipe | 60.03 | 8.81 |
| | | *For Medical/Oxygen Service Tubing, Add* | *2.82* | |
| | | *For Up To 20, Add* | *6.89* | |
| | | *For >200, Deduct* | *-3.53* | |
| | | *For Work In Restricted Working Space, Add* | *7.43* | |
| 22 11 16 00-0410 | LF | 3" Hard Drawn Type K Copper Tube/Pipe | 80.11 | 10.40 |
| | | *For Medical/Oxygen Service Tubing, Add* | *3.86* | |
| | | *For Up To 20, Add* | *9.22* | |
| | | *For >200, Deduct* | *-4.82* | |
| | | *For Work In Restricted Working Space, Add* | *9.57* | |
| 22 11 16 00-0411 | LF | 4" Hard Drawn Type K Copper Tube/Pipe | 122.09 | 11.72 |
| | | *For Medical/Oxygen Service Tubing, Add* | *6.88* | |
| | | *For Up To 20, Add* | *14.36* | |
| | | *For >200, Deduct* | *-8.60* | |
| | | *For Work In Restricted Working Space, Add* | *10.84* | |
| 22 11 16 00-0412 | LF | 5" Hard Drawn Type K Copper Tube/Pipe | 200.16 | 13.47 |
| | | *For Medical/Oxygen Service Tubing, Add* | *12.60* | |
| | | *For Up To 20, Add* | *23.95* | |
| | | *For >200, Deduct* | *-15.75* | |
| | | *For Work In Restricted Working Space, Add* | *12.80* | |
| 22 11 16 00-0413 | LF | 6" Hard Drawn Type K Copper Tube/Pipe | 294.76 | 20.87 |
| | | *For Medical/Oxygen Service Tubing, Add* | *18.08* | |
| | | *For Up To 20, Add* | *35.13* | |
| | | *For >200, Deduct* | *-22.60* | |
| | | *For Work In Restricted Working Space, Add* | *20.63* | |
| 22 11 16 00-0414 | LF | 8" Hard Drawn Type K Copper Tube/Pipe | 498.93 | 23.20 |
| | | *For Medical/Oxygen Service Tubing, Add* | *33.85* | |
| | | *For Up To 20, Add* | *60.47* | |
| | | *For >200, Deduct* | *-42.32* | |
| | | *For Work In Restricted Working Space, Add* | *22.73* | |

## 22 11 16 00-0415 Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0384)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0416 | LF | 3/8" Hard Drawn Type M Copper Tube/Pipe | 5.50 | 2.47 |
| | | *For Up To 20, Add* | *0.60* | |
| | | *For >200, Deduct* | *-0.19* | |
| | | *For Work In Restricted Working Space, Add* | *1.07* | |
| 22 11 16 00-0417 | LF | 1/2" Hard Drawn Type M Copper Tube/Pipe | 5.85 | 2.58 |
| | | *For Up To 20, Add* | *0.64* | |
| | | *For >200, Deduct* | *-0.22* | |
| | | *For Work In Restricted Working Space, Add* | *1.10* | |
| 22 11 16 00-0418 | LF | 3/4" Hard Drawn Type M Copper Tube/Pipe | 7.45 | 2.73 |
| | | *For Up To 20, Add* | *0.83* | |
| | | *For >200, Deduct* | *-0.35* | |
| | | *For Work In Restricted Working Space, Add* | *1.18* | |
| 22 11 16 00-0419 | LF | 1" Hard Drawn Type M Copper Tube/Pipe | 9.81 | 3.07 |
| | | *For Up To 20, Add* | *1.12* | |
| | | *For >200, Deduct* | *-0.54* | |
| | | *For Work In Restricted Working Space, Add* | *1.31* | |
| 22 11 16 00-0420 | LF | 1-1/4" Hard Drawn Type M Copper Tube/Pipe | 14.66 | 4.56 |
| | | *For Up To 20, Add* | *1.66* | |
| | | *For >200, Deduct* | *-0.79* | |
| | | *For Work In Restricted Working Space, Add* | *2.02* | |
| 22 11 16 00-0421 | LF | 1-1/2" Hard Drawn Type M Copper Tube/Pipe | 18.66 | 5.09 |
| | | *For Up To 20, Add* | *2.14* | |
| | | *For >200, Deduct* | *-1.09* | |
| | | *For Work In Restricted Working Space, Add* | *2.32* | |
| 22 11 16 00-0422 | LF | 2" Hard Drawn Type M Copper Tube/Pipe | 26.78 | 6.27 |
| | | *For Up To 20, Add* | *3.11* | |
| | | *For >200, Deduct* | *-1.72* | |
| | | *For Work In Restricted Working Space, Add* | *2.87* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0423 | LF | 2-1/2" Hard Drawn Type M Copper Tube/Pipe | 48.24 | 7.38 |
| | | *For Up To 20, Add* | *5.45* | |
| | | *For >200, Deduct* | *-2.50* | |
| | | *For Work In Restricted Working Space, Add* | *6.98* | |
| 22 11 16 00-0424 | LF | 3" Hard Drawn Type M Copper Tube/Pipe | 59.35 | 8.70 |
| | | *For Up To 20, Add* | *6.77* | |
| | | *For >200, Deduct* | *-3.32* | |
| | | *For Work In Restricted Working Space, Add* | *7.85* | |
| 22 11 16 00-0425 | LF | 4" Hard Drawn Type M Copper Tube/Pipe | 92.67 | 9.82 |
| | | *For Up To 20, Add* | *10.82* | |
| | | *For >200, Deduct* | *-6.22* | |
| | | *For Work In Restricted Working Space, Add* | *9.15* | |
| 22 11 16 00-0426 | LF | 5" Hard Drawn Type M Copper Tube/Pipe | 155.91 | 11.27 |
| | | *For Up To 20, Add* | *18.61* | |
| | | *For >200, Deduct* | *-12.07* | |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| 22 11 16 00-0427 | LF | 6" Hard Drawn Type M Copper Tube/Pipe | 215.78 | 17.48 |
| | | *For Up To 20, Add* | *25.61* | |
| | | *For >200, Deduct* | *-16.12* | |
| | | *For Work In Restricted Working Space, Add* | *16.37* | |
| 22 11 16 00-0428 | LF | 8" Hard Drawn Type M Copper Tube/Pipe | 365.54 | 19.42 |
| | | *For Up To 20, Add* | *44.19* | |
| | | *For >200, Deduct* | *-30.55* | |
| | | *For Work In Restricted Working Space, Add* | *18.00* | |

## 22 11 16 00-0429 Soft Drawn Type L Copper Tube *(22 11 16 00-0384)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0430 | LF | 1/4" Soft Drawn Type L Copper Tube | 6.13 | 2.64 |
| | | *For Up To 20, Add* | *0.67* | |
| | | *For >200, Deduct* | *-0.22* | |
| | | *For Work In Restricted Working Space, Add* | *1.18* | |
| 22 11 16 00-0431 | LF | 3/8" Soft Drawn Type L Copper Tube | 7.53 | 2.74 |
| | | *For Up To 20, Add* | *0.84* | |
| | | *For >200, Deduct* | *-0.34* | |
| | | *For Work In Restricted Working Space, Add* | *1.24* | |
| 22 11 16 00-0432 | LF | 1/2" Soft Drawn Type L Copper Tube | 8.86 | 2.86 |
| | | *For Up To 20, Add* | *1.00* | |
| | | *For >200, Deduct* | *-0.46* | |
| | | *For Work In Restricted Working Space, Add* | *1.29* | |
| 22 11 16 00-0433 | LF | 5/8" Soft Drawn Type L Copper Tube | 10.29 | 2.95 |
| | | *For Up To 20, Add* | *1.18* | |
| | | *For >200, Deduct* | *-0.59* | |
| | | *For Work In Restricted Working Space, Add* | *1.33* | |
| 22 11 16 00-0434 | LF | 3/4" Soft Drawn Type L Copper Tube | 11.55 | 3.03 |
| | | *For Up To 20, Add* | *1.33* | |
| | | *For >200, Deduct* | *-0.70* | |
| | | *For Work In Restricted Working Space, Add* | *1.37* | |
| 22 11 16 00-0435 | LF | 1" Soft Drawn Type L Copper Tube | 14.80 | 3.40 |
| | | *For Up To 20, Add* | *1.72* | |
| | | *For >200, Deduct* | *-0.97* | |
| | | *For Work In Restricted Working Space, Add* | *1.53* | |
| 22 11 16 00-0436 | LF | 1-1/4" Soft Drawn Type L Copper Tube | 20.35 | 5.06 |
| | | *For Up To 20, Add* | *2.35* | |
| | | *For >200, Deduct* | *-1.28* | |
| | | *For Work In Restricted Working Space, Add* | *2.28* | |
| 22 11 16 00-0437 | LF | 1-1/2" Soft Drawn Type L Copper Tube | 25.77 | 5.66 |
| | | *For Up To 20, Add* | *3.01* | |
| | | *For >200, Deduct* | *-1.73* | |
| | | *For Work In Restricted Working Space, Add* | *2.54* | |
| 22 11 16 00-0438 | LF | 2" Soft Drawn Type L Copper Tube | 37.95 | 6.98 |
| | | *For Up To 20, Add* | *4.48* | |
| | | *For >200, Deduct* | *-2.75* | |
| | | *For Work In Restricted Working Space, Add* | *3.14* | |

## 22 11 16 00-0439 Soft Drawn Type K Copper Tube *(22 11 16 00-0384)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0440 | LF | 1/4" Soft Drawn Type K Copper Tube | 6.35 | 2.64 |
| | | *For Up To 20, Add* | *0.70* | |
| | | *For >200, Deduct* | *-0.24* | |
| | | *For Work In Restricted Working Space, Add* | *1.18* | |
| 22 11 16 00-0441 | LF | 3/8" Soft Drawn Type K Copper Tube | 8.24 | 2.74 |
| | | *For Up To 20, Add* | *0.93* | |
| | | *For >200, Deduct* | *-0.41* | |
| | | *For Work In Restricted Working Space, Add* | *1.24* | |
| 22 11 16 00-0442 | LF | 1/2" Soft Drawn Type K Copper Tube | 9.45 | 2.86 |
| | | *For Up To 20, Add* | *1.07* | |
| | | *For >200, Deduct* | *-0.52* | |
| | | *For Work In Restricted Working Space, Add* | *1.29* | |
| 22 11 16 00-0443 | LF | 5/8" Soft Drawn Type K Copper Tube | 10.57 | 2.95 |
| | | *For Up To 20, Add* | *1.21* | |
| | | *For >200, Deduct* | *-0.62* | |
| | | *For Work In Restricted Working Space, Add* | *1.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0444 | LF | 3/4" Soft Drawn Type K Copper Tube | 14.09 | 3.03 |
| | | *For Up To 20, Add* | *1.65* | |
| | | *For >200, Deduct* | *-0.95* | |
| | | *For Work In Restricted Working Space, Add* | *1.37* | |
| 22 11 16 00-0445 | LF | 1" Soft Drawn Type K Copper Tube | 17.78 | 3.40 |
| | | *For Up To 20, Add* | *2.09* | |
| | | *For >200, Deduct* | *-1.27* | |
| | | *For Work In Restricted Working Space, Add* | *1.53* | |
| 22 11 16 00-0446 | LF | 1-1/4" Soft Drawn Type K Copper Tube | 22.53 | 5.06 |
| | | *For Up To 20, Add* | *2.63* | |
| | | *For >200, Deduct* | *-1.49* | |
| | | *For Work In Restricted Working Space, Add* | *2.28* | |
| 22 11 16 00-0447 | LF | 1-1/2" Soft Drawn Type K Copper Tube | 29.24 | 5.66 |
| | | *For Up To 20, Add* | *3.44* | |
| | | *For >200, Deduct* | *-2.08* | |
| | | *For Work In Restricted Working Space, Add* | *2.54* | |
| 22 11 16 00-0448 | LF | 2" Soft Drawn Type K Copper Tube | 42.71 | 6.98 |
| | | *For Up To 20, Add* | *5.08* | |
| | | *For >200, Deduct* | *-3.23* | |
| | | *For Work In Restricted Working Space, Add* | *3.14* | |
| 22 11 16 00-0449 | LF | 2-1/2" Soft Drawn Type K Copper Tube | 60.93 | 8.37 |
| | | *For Up To 20, Add* | *7.30* | |
| | | *For >200, Deduct* | *-4.84* | |
| | | *For Work In Restricted Working Space, Add* | *3.76* | |
| 22 11 16 00-0450 | LF | 3" Soft Drawn Type K Copper Tube | 82.12 | 9.88 |
| | | *For Up To 20, Add* | *9.90* | |
| | | *For >200, Deduct* | *-6.73* | |
| | | *For Work In Restricted Working Space, Add* | *4.44* | |

## 22 11 16 00-0451 Copper And Brass Fittings *(22 11 16 00-0383)*

Note: All fittings are based on 95/5 solder.

## 22 11 16 00-0452 90 Degree Copper Elbows *(22 11 16 00-0451)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0453 | EA | 1/4" 90 Degree Copper Elbow | 26.83 | 15.62 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *3.68* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.51* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *3.51* | |
| | | *For Street Fitting, Add* | *1.37* | |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 22 11 16 00-0454 | EA | 3/8" 90 Degree Copper Elbow | 31.70 | 18.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *4.39* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.99* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *4.21* | |
| | | *For Street Fitting, Add* | *1.44* | |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 11 16 00-0455 | EA | 1/2" 90 Degree Copper Elbow | 39.80 | 25.75 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *5.85* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.92* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.79* | |
| | | *For Street Fitting, Add* | *0.47* | |
| | | *For Work In Restricted Working Space, Add* | *11.59* | |
| 22 11 16 00-0456 | EA | 3/4" 90 Degree Copper Elbow | 50.63 | 32.08 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.33* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.93* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.20* | |
| | | *For Street Fitting, Add* | *1.06* | |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 22 11 16 00-0457 | EA | 1" 90 Degree Copper Elbow | 63.81 | 38.28 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *8.93* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.06* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.60* | |
| | | *For Street Fitting, Add* | *2.58* | |
| | | *For Work In Restricted Working Space, Add* | *17.21* | |
| 22 11 16 00-0458 | EA | 1-1/4" 90 Degree Copper Elbow | 71.68 | 41.44 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *9.79* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.69* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *9.31* | |
| | | *For Street Fitting, Add* | *3.86* | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |
| 22 11 16 00-0459 | EA | 1-1/2" 90 Degree Copper Elbow | 82.96 | 45.30 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *10.94* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-7.54* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.18* | |
| | | *For Street Fitting, Add* | *6.03* | |
| | | *For Work In Restricted Working Space, Add* | *20.37* | |
| 22 11 16 00-0460 | EA | 2" 90 Degree Copper Elbow | 103.56 | 50.80 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *12.79* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-8.98* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *11.41* | |
| | | *For Street Fitting, Add* | *10.99* | |
| | | *For Work In Restricted Working Space, Add* | *22.82* | |
| 22 11 16 00-0461 | EA | 2-1/2" 90 Degree Copper Elbow | 125.81 | 51.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *14.05* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-10.17* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *11.64* | |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0462 | EA | 3" 90 Degree Copper Elbow | 160.68 | 61.87 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *17.30* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-12.67* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *13.91* | |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| 22 11 16 00-0463 | EA | 4" 90 Degree Copper Elbow | 296.43 | 87.75 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *27.97* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-21.40* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *19.73* | |
| | | *For Work In Restricted Working Space, Add* | *39.45* | |
| 22 11 16 00-0464 | EA | 5" 90 Degree Copper Elbow | 870.97 | 120.08 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *61.55* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-52.55* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *27.00* | |
| | | *For Work In Restricted Working Space, Add* | *54.00* | |
| 22 11 16 00-0465 | EA | 6" 90 Degree Copper Elbow | 1,183.05 | 174.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *85.35* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-72.25* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *39.29* | |
| | | *For Work In Restricted Working Space, Add* | *78.58* | |
| 22 11 16 00-0466 | EA | 8" 90 Degree Copper Elbow | 3,756.86 | 232.94 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *222.77* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-205.31* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *52.39* | |
| | | *For Work In Restricted Working Space, Add* | *104.77* | |
| **22 11 16 00-0467** | | **90 Degree Brass Elbows** *(22 11 16 00-0451)* | | |
| 22 11 16 00-0468 | EA | 1/2" Drop Ear 90 Degree Brass Elbow | 45.99 | 25.75 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.16* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.23* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.79* | |
| | | *For Work In Restricted Working Space, Add* | *11.59* | |
| 22 11 16 00-0469 | EA | 3/4" Drop Ear 90 Degree Brass Elbow | 69.44 | 32.08 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *8.27* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.87* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.20* | |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 22 11 16 00-0470 | EA | 1/2" Flanged Sink 90 Degree Brass Elbow | 52.04 | 25.75 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.47* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.53* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.79* | |
| | | *For Work In Restricted Working Space, Add* | *11.59* | |
| 22 11 16 00-0471 | EA | 3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded | 39.09 | 18.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *4.76* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.36* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *4.21* | |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 11 16 00-0472 | EA | 1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded | 46.51 | 25.75 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.19* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.26* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.79* | |
| | | *For Work In Restricted Working Space, Add* | *11.59* | |
| 22 11 16 00-0473 | EA | 3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded | 61.86 | 32.08 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.89* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.49* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.20* | |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 22 11 16 00-0474 | EA | 1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded | 101.63 | 38.28 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *10.82* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-7.95* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.60* | |
| | | *For Work In Restricted Working Space, Add* | *17.21* | |
| **22 11 16 00-0475** | | **Reducing 90 Degree Copper Elbows** *(22 11 16 00-0451)* | | |
| 22 11 16 00-0476 | EA | 1/2" Reducing 90 Degree Copper Elbow | 48.14 | 25.75 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.27* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.34* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.79* | |
| | | *For Work In Restricted Working Space, Add* | *11.59* | |
| 22 11 16 00-0477 | EA | 3/4" Reducing 90 Degree Copper Elbow | 54.73 | 32.08 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.54* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.14* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.20* | |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 22 11 16 00-0478 | EA | 1" Reducing 90 Degree Copper Elbow | 69.73 | 38.28 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *9.22* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.35* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.60* | |
| | | *For Work In Restricted Working Space, Add* | *17.21* | |
| 22 11 16 00-0479 | EA | 1-1/4" Reducing 90 Degree Copper Elbow | 93.55 | 41.44 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *10.88* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-7.78* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *9.31* | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0480 | EA | 1-1/2" Reducing 90 Degree Copper Elbow | 109.30 | 45.30 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *12.25* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-8.86* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.18* | |
| | | *For Work In Restricted Working Space, Add* | *20.37* | |
| 22 11 16 00-0481 | EA | 2" Reducing 90 Degree Copper Elbow | 131.81 | 50.80 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *14.20* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-10.39* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *11.41* | |
| | | *For Work In Restricted Working Space, Add* | *22.82* | |
| 22 11 16 00-0482 | | 45 Degree Copper Elbows *(22 11 16 00-0451)* | | |
| 22 11 16 00-0483 | EA | 1/4" 45 Degree Copper Elbow | 29.79 | 15.62 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *3.83* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.66* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *3.51* | |
| | | *For Street Fitting, Add* | *2.55* | |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 22 11 16 00-0484 | EA | 3/8" 45 Degree Copper Elbow | 33.56 | 18.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *4.49* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.08* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *4.21* | |
| | | *For Street Fitting, Add* | *2.19* | |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 11 16 00-0485 | EA | 1/2" 45 Degree Copper Elbow | 40.78 | 25.75 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *5.90* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.97* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.79* | |
| | | *For Street Fitting, Add* | *0.86* | |
| | | *For Work In Restricted Working Space, Add* | *11.59* | |
| 22 11 16 00-0486 | EA | 3/4" 45 Degree Copper Elbow | 51.67 | 32.08 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.38* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.98* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.20* | |
| | | *For Street Fitting, Add* | *1.47* | |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 22 11 16 00-0487 | EA | 1" 45 Degree Copper Elbow | 66.54 | 38.28 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *9.06* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.20* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.60* | |
| | | *For Street Fitting, Add* | *3.67* | |
| | | *For Work In Restricted Working Space, Add* | *17.21* | |
| 22 11 16 00-0488 | EA | 1-1/4" 45 Degree Copper Elbow | 74.48 | 41.44 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *9.93* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.83* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *9.31* | |
| | | *For Street Fitting, Add* | *4.98* | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |
| 22 11 16 00-0489 | EA | 1-1/2" 45 Degree Copper Elbow | 83.16 | 45.30 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *10.95* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-7.55* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.18* | |
| | | *For Street Fitting, Add* | *6.11* | |
| | | *For Work In Restricted Working Space, Add* | *20.37* | |
| 22 11 16 00-0490 | EA | 2" 45 Degree Copper Elbow | 101.54 | 50.80 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *12.69* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-8.88* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *11.41* | |
| | | *For Work In Restricted Working Space, Add* | *22.82* | |
| 22 11 16 00-0491 | EA | 2-1/2" 45 Degree Copper Elbow | 125.23 | 51.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *14.02* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-10.14* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *11.64* | |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |
| 22 11 16 00-0492 | EA | 3" 45 Degree Copper Elbow | 163.36 | 61.87 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *17.44* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-12.80* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *13.91* | |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| 22 11 16 00-0493 | EA | 4" 45 Degree Copper Elbow | 282.16 | 87.75 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *27.26* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-20.68* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *19.73* | |
| | | *For Work In Restricted Working Space, Add* | *39.45* | |
| 22 11 16 00-0494 | EA | 5" 45 Degree Copper Elbow | 763.50 | 120.08 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *56.18* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-47.18* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *27.00* | |
| | | *For Work In Restricted Working Space, Add* | *54.00* | |
| 22 11 16 00-0495 | EA | 6" 45 Degree Copper Elbow | 1,181.47 | 174.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *85.27* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-72.17* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *39.29* | |
| | | *For Work In Restricted Working Space, Add* | *78.58* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0496 | EA | 8" 45 Degree Copper Elbow | 3,473.77 | 232.94 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *208.61* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-191.15* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *52.39* | |
| | | *For Work In Restricted Working Space, Add* | *104.77* | |

## 22 11 16 00-0497 Straight Copper And Brass Tees *(22 11 16 00-0451)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0498 | EA | 1/4" Straight Copper Tee | 42.28 | 23.41 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *5.63* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.87* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.27* | |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 22 11 16 00-0499 | EA | 3/8" Straight Copper Tee | 47.90 | 28.09 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.61* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.50* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *6.32* | |
| | | *For Work In Restricted Working Space, Add* | *12.64* | |
| 22 11 16 00-0500 | EA | 1/2" Straight Copper Tee | 60.55 | 39.09 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *8.88* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.95* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.78* | |
| | | *For Work In Restricted Working Space, Add* | *17.56* | |
| 22 11 16 00-0501 | EA | 3/4" Straight Copper Tee | 77.39 | 48.46 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *11.13* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-7.50* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.89* | |
| | | *For Work In Restricted Working Space, Add* | *21.77* | |
| 22 11 16 00-0502 | EA | 1" Straight Copper Tee | 101.12 | 57.82 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *13.72* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-9.39* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *12.99* | |
| | | *For Work In Restricted Working Space, Add* | *25.99* | |
| 22 11 16 00-0503 | EA | 1-1/4" Straight Copper Tee | 113.82 | 62.50 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *15.06* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-10.37* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *14.05* | |
| | | *For Work In Restricted Working Space, Add* | *28.09* | |
| 22 11 16 00-0504 | EA | 1-1/2" Straight Copper Tee | 132.38 | 67.89 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *16.80* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-11.71* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *15.28* | |
| | | *For Work In Restricted Working Space, Add* | *30.55* | |
| 22 11 16 00-0505 | EA | 2" Straight Copper Tee | 163.26 | 76.56 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *19.64* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-13.90* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *17.21* | |
| | | *For Work In Restricted Working Space, Add* | *34.42* | |
| 22 11 16 00-0506 | EA | 2-1/2" Straight Copper Tee | 202.33 | 77.61 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *21.76* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-15.94* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *17.46* | |
| | | *For Work In Restricted Working Space, Add* | *34.92* | |
| 22 11 16 00-0507 | EA | 3" Straight Copper Tee | 271.39 | 93.46 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *27.58* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-20.58* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *21.02* | |
| | | *For Work In Restricted Working Space, Add* | *42.04* | |
| 22 11 16 00-0508 | EA | 4" Straight Copper Tee | 513.88 | 130.86 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *45.31* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-35.50* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *29.43* | |
| | | *For Work In Restricted Working Space, Add* | *58.85* | |
| 22 11 16 00-0509 | EA | 5" Straight Copper Tee | 1,306.94 | 179.04 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *92.19* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-78.77* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *40.26* | |
| | | *For Work In Restricted Working Space, Add* | *80.52* | |
| 22 11 16 00-0510 | EA | 6" Straight Copper Tee | 1,813.11 | 262.47 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *130.00* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-110.33* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *59.02* | |
| | | *For Work In Restricted Working Space, Add* | *118.03* | |
| 22 11 16 00-0511 | EA | 8" Straight Copper Tee | 6,000.18 | 349.46 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *352.40* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-326.20* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *78.58* | |
| | | *For Work In Restricted Working Space, Add* | *157.16* | |
| 22 11 16 00-0512 | EA | 1/2" Cast Bronze Drop Ear Tee | 70.93 | 39.09 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *9.40* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.47* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.78* | |
| | | *For Work In Restricted Working Space, Add* | *17.56* | |

## 22 11 16 00-0513 Reducing Copper Tees *(22 11 16 00-0451)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0514 | EA | 3/8" Reducing Copper Tee | 48.84 | 24.93 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.19* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.31* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.62* | |
| | | *For Work In Restricted Working Space, Add* | *11.24* | |
| 22 11 16 00-0515 | EA | 1/2" Reducing Copper Tee | 62.71 | 35.12 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *8.40* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.77* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.90* | |
| | | *For Work In Restricted Working Space, Add* | *15.80* | |
| 22 11 16 00-0516 | EA | 3/4" Reducing Copper Tee | 73.00 | 45.30 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *10.44* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-7.04* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.18* | |
| | | *For Work In Restricted Working Space, Add* | *20.37* | |
| 22 11 16 00-0517 | EA | 1" Reducing Copper Tee | 98.17 | 54.67 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *13.10* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-9.01* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *12.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.58* | |
| 22 11 16 00-0518 | EA | 1-1/4" Reducing Copper Tee | 113.60 | 59.35 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *14.58* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-10.13* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *13.34* | |
| | | *For Work In Restricted Working Space, Add* | *26.69* | |
| 22 11 16 00-0519 | EA | 1-1/2" Reducing Copper Tee | 131.99 | 64.85 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *16.32* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-11.46* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *14.57* | |
| | | *For Work In Restricted Working Space, Add* | *29.15* | |
| 22 11 16 00-0520 | EA | 2" Reducing Copper Tee | 159.22 | 72.57 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *18.85* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-13.40* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *16.33* | |
| | | *For Work In Restricted Working Space, Add* | *32.66* | |
| 22 11 16 00-0521 | EA | 2-1/2" Reducing Copper Tee | 206.22 | 74.81 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *21.52* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-15.92* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *16.82* | |
| | | *For Work In Restricted Working Space, Add* | *33.63* | |
| 22 11 16 00-0522 | EA | 3" Reducing Copper Tee | 283.92 | 86.23 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *27.13* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-20.66* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *19.40* | |
| | | *For Work In Restricted Working Space, Add* | *38.81* | |
| 22 11 16 00-0523 | EA | 4" Reducing Copper Tee | 484.92 | 106.39 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *40.20* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-32.22* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *23.93* | |
| | | *For Work In Restricted Working Space, Add* | *47.86* | |
| **22 11 16 00-0524** | | **Copper Couplings** *(22 11 16 00-0451)* | | |
| 22 11 16 00-0525 | EA | 1/4" Copper Coupling | 20.11 | 13.00 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *2.95* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-1.98* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *2.91* | |
| | | *For Work In Restricted Working Space, Add* | *5.83* | |
| 22 11 16 00-0526 | EA | 3/8" Copper Coupling | 24.23 | 15.57 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *3.54* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.38* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *3.50* | |
| | | *For Work In Restricted Working Space, Add* | *7.00* | |
| 22 11 16 00-0527 | EA | 1/2" Copper Coupling | 32.81 | 21.30 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *4.85* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.24* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *4.81* | |
| | | *For Work In Restricted Working Space, Add* | *9.62* | |
| 22 11 16 00-0528 | EA | 3/4" Copper Coupling | 41.36 | 26.57 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.05* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.06* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.97* | |
| | | *For Work In Restricted Working Space, Add* | *11.95* | |
| 22 11 16 00-0529 | EA | 1" Copper Coupling | 50.63 | 31.72 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.29* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.91* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.14* | |
| | | *For Work In Restricted Working Space, Add* | *14.28* | |
| 22 11 16 00-0530 | EA | 1-1/4" Copper Coupling | 56.83 | 34.30 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.99* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.42* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.72* | |
| | | *For Work In Restricted Working Space, Add* | *15.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0531 | EA | 1-1/2" Copper Coupling | 63.41 | 37.57 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *8.81* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.99* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.45* | |
| | | *For Work In Restricted Working Space, Add* | *16.91* | |
| 22 11 16 00-0532 | EA | 2" Copper Coupling | 74.90 | 42.02 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *10.06* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.90* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *9.47* | |
| | | *For Work In Restricted Working Space, Add* | *18.95* | |
| 22 11 16 00-0533 | EA | 2-1/2" Copper Coupling | 85.42 | 42.47 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *10.65* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-7.46* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *9.57* | |
| | | *For Work In Restricted Working Space, Add* | *19.14* | |
| 22 11 16 00-0534 | EA | 3" Copper Coupling | 108.38 | 52.60 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *13.32* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-9.37* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *11.84* | |
| | | *For Work In Restricted Working Space, Add* | *23.69* | |
| 22 11 16 00-0535 | EA | 4" Copper Coupling | 176.69 | 74.48 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *20.02* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-14.43* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *16.78* | |
| | | *For Work In Restricted Working Space, Add* | *33.57* | |
| 22 11 16 00-0536 | EA | 5" Copper Coupling | 297.06 | 107.90 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *31.05* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-22.95* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *24.30* | |
| | | *For Work In Restricted Working Space, Add* | *48.60* | |
| 22 11 16 00-0537 | EA | 6" Copper Coupling | 458.92 | 157.05 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *46.52* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-34.73* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *35.36* | |
| | | *For Work In Restricted Working Space, Add* | *70.72* | |
| 22 11 16 00-0538 | EA | 8" Copper Coupling | 1,037.78 | 209.33 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *83.32* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-67.61* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *47.15* | |
| | | *For Work In Restricted Working Space, Add* | *94.30* | |

## 22 11 16 00-0539 Reducing Copper Couplings *(22 11 16 00-0451)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0540 | EA | 3/8" Reducing Copper Coupling | 22.87 | 14.28 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *3.28* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.21* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *3.21* | |
| | | *For Work In Restricted Working Space, Add* | *6.41* | |
| 22 11 16 00-0541 | EA | 1/2" Reducing Copper Coupling | 29.26 | 18.50 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *4.23* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.85* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *4.16* | |
| | | *For Work In Restricted Working Space, Add* | *8.31* | |
| 22 11 16 00-0542 | EA | 3/4" Reducing Copper Coupling | 38.64 | 23.99 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *5.53* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.73* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.39* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 22 11 16 00-0543 | EA | 1" Reducing Copper Coupling | 48.60 | 29.15 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.80* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.62* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *6.56* | |
| | | *For Work In Restricted Working Space, Add* | *13.12* | |
| 22 11 16 00-0544 | EA | 1-1/4" Reducing Copper Coupling | 56.35 | 33.01 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.77* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.30* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.43* | |
| | | *For Work In Restricted Working Space, Add* | *14.87* | |
| 22 11 16 00-0545 | EA | 1-1/2" Reducing Copper Coupling | 65.18 | 35.93 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *8.65* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.96* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.09* | |
| | | *For Work In Restricted Working Space, Add* | *16.18* | |
| 22 11 16 00-0546 | EA | 2" Reducing Copper Coupling | 77.17 | 39.80 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *9.83* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.85* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.96* | |
| | | *For Work In Restricted Working Space, Add* | *17.93* | |
| 22 11 16 00-0547 | EA | 2-1/2" Reducing Copper Coupling | 93.06 | 40.63 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *10.75* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-7.70* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *9.15* | |
| | | *For Work In Restricted Working Space, Add* | *18.30* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0548 | EA | 3" Reducing Copper Coupling | 111.03 | 47.53 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *12.69* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-9.12* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *21.42* | |
| 22 11 16 00-0549 | EA | 4" Reducing Copper Coupling | 174.13 | 63.60 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *18.25* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-13.48* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *14.31* | |
| | | *For Work In Restricted Working Space, Add* | *28.63* | |
| 22 11 16 00-0550 | EA | 5" Reducing Copper Coupling | 441.34 | 89.03 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *35.43* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-28.75* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *20.04* | |
| | | *For Work In Restricted Working Space, Add* | *40.08* | |
| 22 11 16 00-0551 | EA | 6" Reducing Copper Coupling | 647.01 | 113.50 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *49.40* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-40.87* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *25.57* | |
| | | *For Work In Restricted Working Space, Add* | *51.14* | |
| 22 11 16 00-0552 | EA | 8" Reducing Copper Coupling | 1,285.10 | 183.03 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *91.74* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-78.00* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *41.23* | |
| | | *For Work In Restricted Working Space, Add* | *82.46* | |

## 22 11 16 00-0553 Male Copper Adapters *(22 11 16 00-0451)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0554 | EA | 1/4" Male Copper Adapter | 35.49 | 15.21 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *4.12* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.95* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *3.51* | |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 22 11 16 00-0555 | EA | 3/8" Male Copper Adapter | 34.11 | 18.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *4.51* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.11* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *4.21* | |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 11 16 00-0556 | EA | 1/2" Male Copper Adapter | 37.56 | 23.41 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *5.39* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.63* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.27* | |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 22 11 16 00-0557 | EA | 3/4" Male Copper Adapter | 47.44 | 29.27 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.70* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.54* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *6.50* | |
| | | *For Work In Restricted Working Space, Add* | *12.99* | |
| 22 11 16 00-0558 | EA | 1" Male Copper Adapter | 60.85 | 33.95 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *8.08* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.56* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.55* | |
| | | *For Work In Restricted Working Space, Add* | *15.10* | |
| 22 11 16 00-0559 | EA | 1-1/4" Male Copper Adapter | 73.83 | 38.63 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *9.54* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.62* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.78* | |
| | | *For Work In Restricted Working Space, Add* | *17.56* | |
| 22 11 16 00-0560 | EA | 1-1/2" Male Copper Adapter | 84.63 | 44.48 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *10.90* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-7.57* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.01* | |
| | | *For Work In Restricted Working Space, Add* | *20.02* | |
| 22 11 16 00-0561 | EA | 2" Male Copper Adapter | 115.76 | 56.77 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *14.33* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-10.06* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *12.82* | |
| | | *For Work In Restricted Working Space, Add* | *25.64* | |
| 22 11 16 00-0562 | EA | 2-1/2" Male Copper Adapter | 196.27 | 73.75 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *20.82* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-15.32* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *16.50* | |
| | | *For Work In Restricted Working Space, Add* | *33.01* | |
| 22 11 16 00-0563 | EA | 3" Male Copper Adapter | 260.76 | 98.36 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *27.70* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-20.37* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *21.99* | |
| | | *For Work In Restricted Working Space, Add* | *43.98* | |
| 22 11 16 00-0564 | EA | 4" Male Copper Adapter | 389.54 | 137.97 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *40.17* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-29.83* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *31.04* | |
| | | *For Work In Restricted Working Space, Add* | *62.09* | |

## 22 11 16 00-0565 Female Copper Adapters *(22 11 16 00-0451)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0566 | EA | 1/4" Female Copper Adapter | 31.13 | 15.21 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *3.90* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.73* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *3.51* | |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 22 11 16 00-0567 | EA | 3/8" Female Copper Adapter | 36.16 | 18.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *4.62* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.21* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *4.21* | |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 11 16 00-0568 | EA | 1/2" Female Copper Adapter | 39.03 | 23.41 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *5.46* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.71* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.27* | |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 22 11 16 00-0569 | EA | 3/4" Female Copper Adapter | 48.65 | 29.27 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.76* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.60* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *6.50* | |
| | | *For Work In Restricted Working Space, Add* | *12.99* | |
| 22 11 16 00-0570 | EA | 1" Female Copper Adapter | 62.54 | 33.95 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *8.16* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.64* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.55* | |
| | | *For Work In Restricted Working Space, Add* | *15.10* | |
| 22 11 16 00-0571 | EA | 1-1/4" Female Copper Adapter | 76.44 | 38.63 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *9.68* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.75* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.78* | |
| | | *For Work In Restricted Working Space, Add* | *17.56* | |
| 22 11 16 00-0572 | EA | 1-1/2" Female Copper Adapter | 94.75 | 44.48 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *11.41* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-8.07* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.01* | |
| | | *For Work In Restricted Working Space, Add* | *20.02* | |
| 22 11 16 00-0573 | EA | 2" Female Copper Adapter | 123.47 | 56.77 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *14.72* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-10.45* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *12.82* | |
| | | *For Work In Restricted Working Space, Add* | *25.64* | |
| 22 11 16 00-0574 | EA | 2-1/2" Female Copper Adapter | 223.00 | 67.91 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *21.28* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-16.22* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *15.20* | |
| | | *For Work In Restricted Working Space, Add* | *30.40* | |
| 22 11 16 00-0575 | EA | 3" Female Copper Adapter | 351.57 | 98.36 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *32.24* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-24.91* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *21.99* | |
| | | *For Work In Restricted Working Space, Add* | *43.98* | |

### 22 11 16 00-0576 Wrot Copper, Solder Union *(22 11 16 00-0451)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0577 | EA | 1/4" Wrot Copper, Solder Union | 43.18 | 18.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *4.97* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.56* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *4.21* | |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 11 16 00-0578 | EA | 3/8" Wrot Copper, Solder Union | 49.50 | 22.59 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *5.87* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.17* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.09* | |
| | | *For Work In Restricted Working Space, Add* | *10.19* | |
| 22 11 16 00-0579 | EA | 1/2" Wrot Copper, Solder Union | 51.75 | 28.09 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.80* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.69* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *6.32* | |
| | | *For Work In Restricted Working Space, Add* | *12.64* | |
| 22 11 16 00-0580 | EA | 3/4" Wrot Copper, Solder Union | 59.81 | 32.08 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.79* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.39* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.20* | |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 22 11 16 00-0581 | EA | 1" Wrot Copper, Solder Union | 77.68 | 38.28 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *9.62* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.75* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.60* | |
| | | *For Work In Restricted Working Space, Add* | *17.21* | |
| 22 11 16 00-0582 | EA | 1-1/4" Wrot Copper, Solder Union | 92.63 | 42.14 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *10.95* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-7.79* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *9.48* | |
| | | *For Work In Restricted Working Space, Add* | *18.96* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0583 | EA | 1-1/2" Wrot Copper, Solder Union | 111.72 | 46.83 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *12.61* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-9.10* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.54* | |
| | | *For Work In Restricted Working Space, Add* | *21.07* | |
| 22 11 16 00-0584 | EA | 2" Wrot Copper, Solder Union | 154.99 | 56.19 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *16.18* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-11.96* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *12.64* | |
| | | *For Work In Restricted Working Space, Add* | *25.28* | |
| 22 11 16 00-0585 | EA | 2-1/2" Wrot Copper, Solder Union | 285.52 | 61.87 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *23.55* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-18.91* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *13.91* | |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| 22 11 16 00-0586 | EA | 3" Wrot Copper, Solder Union | 630.47 | 87.75 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *44.67* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-38.10* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *19.73* | |
| | | *For Work In Restricted Working Space, Add* | *39.45* | |

## 22 11 16 00-0587 Cast Bronze, Solder Union *(22 11 16 00-0451)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0588 | EA | 1/4" Cast Bronze, Solder Union | 48.75 | 18.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *5.25* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.84* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *4.21* | |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 11 16 00-0589 | EA | 3/8" Cast Bronze, Solder Union | 54.75 | 22.59 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.13* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.44* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.09* | |
| | | *For Work In Restricted Working Space, Add* | *10.19* | |
| 22 11 16 00-0590 | EA | 1/2" Cast Bronze, Solder Union | 53.22 | 28.09 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.88* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.77* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *6.32* | |
| | | *For Work In Restricted Working Space, Add* | *12.64* | |
| 22 11 16 00-0591 | EA | 3/4" Cast Bronze, Solder Union | 61.88 | 32.08 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.89* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.49* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.20* | |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 22 11 16 00-0592 | EA | 1" Cast Bronze, Solder Union | 81.26 | 38.28 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *9.80* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.93* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.60* | |
| | | *For Work In Restricted Working Space, Add* | *17.21* | |
| 22 11 16 00-0593 | EA | 1-1/4" Cast Bronze, Solder Union | 102.44 | 42.14 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *11.44* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-8.28* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *9.48* | |
| | | *For Work In Restricted Working Space, Add* | *18.96* | |
| 22 11 16 00-0594 | EA | 1-1/2" Cast Bronze, Solder Union | 121.95 | 46.83 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *13.12* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-9.61* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.54* | |
| | | *For Work In Restricted Working Space, Add* | *21.07* | |
| 22 11 16 00-0595 | EA | 2" Cast Bronze, Solder Union | 172.41 | 56.19 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *17.05* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-12.83* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *12.64* | |
| | | *For Work In Restricted Working Space, Add* | *25.28* | |
| 22 11 16 00-0596 | EA | 2-1/2" Cast Bronze, Solder Union | 285.51 | 61.87 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *23.55* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-18.91* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *13.91* | |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| 22 11 16 00-0597 | EA | 3" Cast Bronze, Solder Union | 630.47 | 87.75 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *44.67* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-38.10* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *19.73* | |
| | | *For Work In Restricted Working Space, Add* | *39.45* | |

## 22 11 16 00-0598 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0451)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0599 | EA | 1/4" Cast Bronze, Solder X Female Threaded Union | 56.27 | 18.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *5.62* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.22* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *4.21* | |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 11 16 00-0600 | EA | 3/8" Cast Bronze, Solder X Female Threaded Union | 63.11 | 22.59 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.55* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.85* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.09* | |
| | | *For Work In Restricted Working Space, Add* | *10.19* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0601 | EA | 1/2" Cast Bronze, Solder X Female Threaded Union | 65.30 | 28.09 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.48* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.37* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *6.32* | |
| | | *For Work In Restricted Working Space, Add* | *12.64* | |
| 22 11 16 00-0602 | EA | 3/4" Cast Bronze, Solder X Female Threaded Union | 79.56 | 32.08 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *8.78* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.38* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.20* | |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 22 11 16 00-0603 | EA | 1" Cast Bronze, Solder X Female Threaded Union | 123.02 | 38.28 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *11.89* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-9.02* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.60* | |
| | | *For Work In Restricted Working Space, Add* | *17.21* | |
| 22 11 16 00-0604 | EA | 1-1/4" Cast Bronze, Solder X Female Threaded Union | 185.57 | 42.14 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *15.60* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-12.44* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *9.48* | |
| | | *For Work In Restricted Working Space, Add* | *18.96* | |
| 22 11 16 00-0605 | EA | 1-1/2" Cast Bronze, Solder X Female Threaded Union | 225.26 | 46.83 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *18.29* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-14.78* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.54* | |
| | | *For Work In Restricted Working Space, Add* | *21.07* | |
| 22 11 16 00-0606 | EA | 2" Cast Bronze, Solder X Female Threaded Union | 346.68 | 56.19 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *25.76* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-21.55* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *12.64* | |
| | | *For Work In Restricted Working Space, Add* | *25.28* | |
| 22 11 16 00-0607 | EA | 2-1/2" Cast Bronze, Solder X Female Threaded Union | 590.12 | 61.87 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *38.78* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-34.14* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *13.91* | |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |

## 22 11 16 00-0608 Cast Bronze, Solder X Male Threaded Union *(22 11 16 00-0451)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0609 | EA | 1/4" Cast Bronze, Solder X Male Threaded Union | 49.55 | 18.73 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *5.29* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.88* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *4.21* | |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 11 16 00-0610 | EA | 3/8" Cast Bronze, Solder X Male Threaded Union | 59.00 | 22.59 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.35* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.65* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.09* | |
| | | *For Work In Restricted Working Space, Add* | *10.19* | |
| 22 11 16 00-0611 | EA | 1/2" Cast Bronze, Solder X Male Threaded Union | 60.42 | 28.09 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.24* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.13* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *6.32* | |
| | | *For Work In Restricted Working Space, Add* | *12.64* | |
| 22 11 16 00-0612 | EA | 3/4" Cast Bronze, Solder X Male Threaded Union | 75.42 | 32.08 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *8.57* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.17* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.20* | |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 22 11 16 00-0613 | EA | 1" Cast Bronze, Solder X Male Threaded Union | 124.91 | 38.28 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *11.98* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-9.11* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *8.60* | |
| | | *For Work In Restricted Working Space, Add* | *17.21* | |
| 22 11 16 00-0614 | EA | 1-1/4" Cast Bronze, Solder X Male Threaded Union | 147.00 | 42.14 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *13.67* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-10.51* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *9.48* | |
| | | *For Work In Restricted Working Space, Add* | *18.96* | |
| 22 11 16 00-0615 | EA | 1-1/2" Cast Bronze, Solder X Male Threaded Union | 158.25 | 46.83 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *14.94* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-11.42* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.54* | |
| | | *For Work In Restricted Working Space, Add* | *21.07* | |
| 22 11 16 00-0616 | EA | 2" Cast Bronze, Solder X Male Threaded Union | 219.47 | 56.19 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *19.40* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-15.19* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *12.64* | |
| | | *For Work In Restricted Working Space, Add* | *25.28* | |
| 22 11 16 00-0617 | EA | 2-1/2" Cast Bronze, Solder X Male Threaded Union | 488.88 | 61.87 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *33.71* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-29.08* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *13.91* | |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |

## 22 11 16 00-0618 Copper Caps *(22 11 16 00-0451)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0619 | EA | 1/4" Copper Cap | 8.76 | 5.15 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *1.21* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-0.82* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *1.16* | |
| | | *For Work In Restricted Working Space, Add* | *2.32* | |
| 22 11 16 00-0620 | EA | 3/8" Copper Cap | 10.93 | 6.09 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *1.47* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-1.01* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *1.39* | |
| | | *For Work In Restricted Working Space, Add* | *2.78* | |
| 22 11 16 00-0621 | EA | 1/2" Copper Cap | 13.60 | 8.43 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *1.96* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-1.32* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *1.91* | |
| | | *For Work In Restricted Working Space, Add* | *3.83* | |
| 22 11 16 00-0622 | EA | 3/4" Copper Cap | 17.44 | 10.42 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *2.46* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-1.66* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *2.38* | |
| | | *For Work In Restricted Working Space, Add* | *4.75* | |
| 22 11 16 00-0623 | EA | 1" Copper Cap | 22.67 | 12.52 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *3.03* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.08* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *2.84* | |
| | | *For Work In Restricted Working Space, Add* | *5.68* | |
| 22 11 16 00-0624 | EA | 1-1/4" Copper Cap | 25.48 | 13.46 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *3.32* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.30* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *3.07* | |
| | | *For Work In Restricted Working Space, Add* | *6.14* | |
| 22 11 16 00-0625 | EA | 1-1/2" Copper Cap | 29.69 | 14.75 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *3.72* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.60* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *3.36* | |
| | | *For Work In Restricted Working Space, Add* | *6.72* | |
| 22 11 16 00-0626 | EA | 2" Copper Cap | 36.60 | 15.31 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *4.14* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.99* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *3.47* | |
| | | *For Work In Restricted Working Space, Add* | *6.94* | |
| 22 11 16 00-0627 | EA | 2-1/2" Copper Cap | 63.29 | 17.89 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *5.88* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.52* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *4.08* | |
| | | *For Work In Restricted Working Space, Add* | *8.15* | |
| 22 11 16 00-0628 | EA | 3" Copper Cap | 86.49 | 22.96 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.80* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.06* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *5.21* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 11 16 00-0629 | EA | 4" Copper Cap | 150.23 | 34.71 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *12.77* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-10.14* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.89* | |
| | | *For Work In Restricted Working Space, Add* | *15.78* | |
| 22 11 16 00-0630 | EA | 5" Cast Bronze Cap | 767.25 | 53.47 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *46.46* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-42.41* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *12.15* | |
| | | *For Work In Restricted Working Space, Add* | *24.30* | |
| 22 11 16 00-0631 | EA | 6" Cast Bronze Cap | 1,485.11 | 77.82 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *86.04* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-80.15* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *17.68* | |
| | | *For Work In Restricted Working Space, Add* | *35.36* | |
| 22 11 16 00-0632 | EA | 8" Cast Bronze Cap | 1,892.40 | 103.69 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *110.34* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-102.48* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *23.57* | |
| | | *For Work In Restricted Working Space, Add* | *47.15* | |

## 22 11 16 00-0633 Copper Crosses *(22 11 16 00-0451)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0634 | EA | 1/2" Copper Cross | 84.58 | 47.42 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *11.34* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-7.79* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.67* | |
| | | *For Work In Restricted Working Space, Add* | *21.35* | |
| 22 11 16 00-0635 | EA | 3/4" Copper Cross | 114.49 | 58.96 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *14.56* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-10.14* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *13.26* | |
| | | *For Work In Restricted Working Space, Add* | *26.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0636 | EA | 1" Copper Cross | 149.97 | 70.39 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *18.06* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-12.78* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *15.84* | |
| | | *For Work In Restricted Working Space, Add* | *31.69* | |
| 22 11 16 00-0637 | EA | 1-1/4" Copper Cross | 177.99 | 76.21 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *20.33* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-14.61* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *17.14* | |
| | | *For Work In Restricted Working Space, Add* | *34.28* | |
| 22 11 16 00-0638 | EA | 1-1/2" Copper Cross | 215.87 | 83.32 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *23.30* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-17.05* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *18.76* | |
| | | *For Work In Restricted Working Space, Add* | *37.51* | |
| 22 11 16 00-0639 | EA | 2" Copper Cross | 311.72 | 93.46 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *29.60* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-22.59* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *21.02* | |
| | | *For Work In Restricted Working Space, Add* | *42.04* | |
| 22 11 16 00-0640 | EA | 2-1/2" Copper Cross | 550.75 | 103.48 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *43.06* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-35.30* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *23.28* | |
| | | *For Work In Restricted Working Space, Add* | *46.56* | |

## 22 11 16 00-0641 Cast Bronze Crosses *(22 11 16 00-0451)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0642 | EA | 3/8" Cast Bronze Cross | 69.64 | 34.49 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *8.66* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-6.07* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *7.76* | |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 11 16 00-0643 | EA | 1/2" Cast Bronze Cross | 87.26 | 47.42 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *11.48* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-7.92* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *10.67* | |
| | | *For Work In Restricted Working Space, Add* | *21.35* | |
| 22 11 16 00-0644 | EA | 3/4" Cast Bronze Cross | 119.71 | 58.96 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *14.82* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-10.41* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *13.26* | |
| | | *For Work In Restricted Working Space, Add* | *26.52* | |
| 22 11 16 00-0645 | EA | 1" Cast Bronze Cross | 158.82 | 70.39 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *18.50* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-13.22* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *15.84* | |
| | | *For Work In Restricted Working Space, Add* | *31.69* | |
| 22 11 16 00-0646 | EA | 1-1/4" Cast Bronze Cross | 190.73 | 76.21 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *20.96* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-15.25* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *17.14* | |
| | | *For Work In Restricted Working Space, Add* | *34.28* | |
| 22 11 16 00-0647 | EA | 1-1/2" Cast Bronze Cross | 234.03 | 83.32 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *24.21* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-17.95* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *18.76* | |
| | | *For Work In Restricted Working Space, Add* | *37.51* | |
| 22 11 16 00-0648 | EA | 2" Cast Bronze Cross | 324.34 | 93.46 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *30.23* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-23.22* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *21.02* | |
| | | *For Work In Restricted Working Space, Add* | *42.04* | |
| 22 11 16 00-0649 | EA | 2-1/2" Cast Bronze Cross | 629.86 | 103.48 |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *47.01* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-39.25* | |
| | | *For Brazed Fittings Instead Of 95/5 Solder, Add* | *23.28* | |
| | | *For Work In Restricted Working Space, Add* | *46.56* | |

## 22 11 16 00-0650 Flexible Corrugated Copper Supply Line *(22 11 16 00-0451)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0651 | EA | 3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line | 83.77 | 32.08 |
| 22 11 16 00-0652 | EA | 3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line | 88.08 | 32.08 |
| 22 11 16 00-0653 | EA | 3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line | 76.03 | 32.08 |
| 22 11 16 00-0654 | EA | 3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line | 80.90 | 32.08 |
| 22 11 16 00-0655 | EA | 3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line | 85.21 | 32.08 |
| 22 11 16 00-0656 | EA | 3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line | 88.08 | 32.08 |

## 22 11 16 00-0657 Crimped Copper Fittings *(22 11 16 00-0383)*

Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.

## 22 11 16 00-0658 Crimped Copper 90 Degree Elbows *(22 11 16 00-0657)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0659 | EA | 1/2" Crimped Copper 90 Degree Elbow | 24.56 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-0660 | EA | 3/4" Crimped Copper 90 Degree Elbow | 29.91 | 16.04 |
| | | *For Work In Restricted Working Space, Add* | *7.20* | |
| 22 11 16 00-0661 | EA | 1" Crimped Copper 90 Degree Elbow | 40.52 | 19.08 |
| | | *For Work In Restricted Working Space, Add* | *8.60* | |
| 22 11 16 00-0662 | EA | 1-1/4" Crimped Copper 90 Degree Elbow | 55.52 | 21.07 |
| | | *For Work In Restricted Working Space, Add* | *9.48* | |
| 22 11 16 00-0663 | EA | 1-1/2" Crimped Copper 90 Degree Elbow | 80.41 | 23.41 |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 22 11 16 00-0664 | EA | 2" Crimped Copper 90 Degree Elbow | 105.09 | 28.09 |
| | | *For Work In Restricted Working Space, Add* | *12.64* | |
| 22 11 16 00-0665 | EA | 2-1/2" Crimped Copper 90 Degree Elbow | 232.01 | 32.77 |
| | | *For Work In Restricted Working Space, Add* | *14.75* | |
| 22 11 16 00-0666 | EA | 3" Crimped Copper 90 Degree Elbow | 288.58 | 38.98 |
| | | *For Work In Restricted Working Space, Add* | *17.56* | |
| 22 11 16 00-0667 | EA | 4" Crimped Copper 90 Degree Elbow | 361.87 | 51.51 |
| | | *For Work In Restricted Working Space, Add* | *23.18* | |

## 22 11 16 00-0668 Crimped Copper 45 Degree Elbows *(22 11 16 00-0657)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0669 | EA | 1/2" Crimped Copper 45 Degree Elbow | 25.14 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-0670 | EA | 3/4" Crimped Copper 45 Degree Elbow | 28.98 | 16.04 |
| | | *For Work In Restricted Working Space, Add* | *7.20* | |
| 22 11 16 00-0671 | EA | 1" Crimped Copper 45 Degree Elbow | 44.70 | 19.08 |
| | | *For Work In Restricted Working Space, Add* | *8.60* | |
| 22 11 16 00-0672 | EA | 1-1/4" Crimped Copper 45 Degree Elbow | 54.60 | 21.07 |
| | | *For Work In Restricted Working Space, Add* | *9.48* | |
| 22 11 16 00-0673 | EA | 1-1/2" Crimped Copper 45 Degree Elbow | 72.41 | 23.41 |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 22 11 16 00-0674 | EA | 2" Crimped Copper 45 Degree Elbow | 94.29 | 28.09 |
| | | *For Work In Restricted Working Space, Add* | *12.64* | |
| 22 11 16 00-0675 | EA | 2-1/2" Crimped Copper 45 Degree Elbow | 169.95 | 32.77 |
| | | *For Work In Restricted Working Space, Add* | *14.75* | |
| 22 11 16 00-0676 | EA | 3" Crimped Copper 45 Degree Elbow | 231.10 | 38.98 |
| | | *For Work In Restricted Working Space, Add* | *17.56* | |
| 22 11 16 00-0677 | EA | 4" Crimped Copper 45 Degree Elbow | 316.91 | 51.51 |
| | | *For Work In Restricted Working Space, Add* | *23.18* | |

## 22 11 16 00-0678 Crimped Copper Straight Tees *(22 11 16 00-0657)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0679 | EA | 1/2" Crimped Copper Straight Tee | 36.94 | 21.07 |
| | | *For Work In Restricted Working Space, Add* | *9.48* | |
| 22 11 16 00-0680 | EA | 3/4" Crimped Copper Straight Tee | 50.95 | 27.74 |
| | | *For Work In Restricted Working Space, Add* | *12.47* | |
| 22 11 16 00-0681 | EA | 1" Crimped Copper Straight Tee | 63.19 | 30.79 |
| | | *For Work In Restricted Working Space, Add* | *13.87* | |
| 22 11 16 00-0682 | EA | 1-1/4" Crimped Copper Straight Tee | 76.09 | 31.60 |
| | | *For Work In Restricted Working Space, Add* | *14.22* | |
| 22 11 16 00-0683 | EA | 1-1/2" Crimped Copper Straight Tee | 109.59 | 35.93 |
| | | *For Work In Restricted Working Space, Add* | *16.15* | |
| 22 11 16 00-0684 | EA | 2" Crimped Copper Straight Tee | 132.08 | 42.14 |
| | | *For Work In Restricted Working Space, Add* | *18.96* | |
| 22 11 16 00-0685 | EA | 2-1/2" Crimped Copper Straight Tee | 299.66 | 49.16 |
| | | *For Work In Restricted Working Space, Add* | *22.13* | |
| 22 11 16 00-0686 | EA | 3" Crimped Copper Straight Tee | 370.18 | 58.53 |
| | | *For Work In Restricted Working Space, Add* | *26.34* | |
| 22 11 16 00-0687 | EA | 4" Crimped Copper Straight Tee | 512.11 | 77.25 |
| | | *For Work In Restricted Working Space, Add* | *34.76* | |

## 22 11 16 00-0688 Crimped Copper Reducing Tees *(22 11 16 00-0657)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0689 | EA | 3/4" Crimped Copper Reducing Tee | 44.60 | 20.02 |
| | | *For Work In Restricted Working Space, Add* | *9.02* | |
| 22 11 16 00-0690 | EA | 1" Crimped Copper Reducing Tee | 65.24 | 26.34 |
| | | *For Work In Restricted Working Space, Add* | *11.84* | |
| 22 11 16 00-0691 | EA | 1-1/4" Crimped Copper Reducing Tee | 70.14 | 29.27 |
| | | *For Work In Restricted Working Space, Add* | *13.17* | |
| 22 11 16 00-0692 | EA | 1-1/2" Crimped Copper Reducing Tee | 94.54 | 30.08 |
| | | *For Work In Restricted Working Space, Add* | *13.52* | |
| 22 11 16 00-0693 | EA | 2" Crimped Copper Reducing Tee | 113.76 | 34.06 |
| | | *For Work In Restricted Working Space, Add* | *15.35* | |
| 22 11 16 00-0694 | EA | 2-1/2" Crimped Copper Reducing Tee | 323.91 | 38.63 |
| | | *For Work In Restricted Working Space, Add* | *17.56* | |
| 22 11 16 00-0695 | EA | 3" Crimped Copper Reducing Tee | 395.12 | 46.83 |
| | | *For Work In Restricted Working Space, Add* | *21.07* | |
| 22 11 16 00-0696 | EA | 4" Crimped Copper Reducing Tee | 463.26 | 62.39 |
| | | *For Work In Restricted Working Space, Add* | *28.09* | |

## 22 11 16 00-0697 Crimped Copper Couplings *(22 11 16 00-0657)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0698 | EA | 1/2" Crimped Copper Coupling | 24.21 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-0699 | EA | 3/4" Crimped Copper Coupling | 28.75 | 16.04 |
| | | *For Work In Restricted Working Space, Add* | *7.20* | |
| 22 11 16 00-0700 | EA | 1" Crimped Copper Coupling | 38.30 | 19.08 |
| | | *For Work In Restricted Working Space, Add* | *8.60* | |
| 22 11 16 00-0701 | EA | 1-1/4" Crimped Copper Coupling | 43.57 | 21.07 |
| | | *For Work In Restricted Working Space, Add* | *9.48* | |
| 22 11 16 00-0702 | EA | 1-1/2" Crimped Copper Coupling | 57.42 | 23.41 |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 22 11 16 00-0703 | EA | 2" Crimped Copper Coupling | 70.60 | 28.09 |
| | | *For Work In Restricted Working Space, Add* | *12.64* | |
| 22 11 16 00-0704 | EA | 2-1/2" Crimped Copper Coupling | 140.23 | 32.77 |
| | | *For Work In Restricted Working Space, Add* | *14.75* | |
| 22 11 16 00-0705 | EA | 3" Crimped Copper Coupling | 174.51 | 38.98 |
| | | *For Work In Restricted Working Space, Add* | *17.56* | |
| 22 11 16 00-0706 | EA | 4" Crimped Copper Coupling | 238.29 | 51.51 |
| | | *For Work In Restricted Working Space, Add* | *23.18* | |

## 22 11 16 00-0707 Crimped Copper Reducing Couplings *(22 11 16 00-0657)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0708 | EA | 3/4" Crimped Copper Reducing Coupling | 34.31 | 13.34 |
| | | *For Work In Restricted Working Space, Add* | *6.01* | |
| 22 11 16 00-0709 | EA | 1" Crimped Copper Reducing Coupling | 39.20 | 15.21 |
| | | *For Work In Restricted Working Space, Add* | *6.85* | |
| 22 11 16 00-0710 | EA | 1-1/4" Crimped Copper Reducing Coupling | 51.09 | 18.14 |
| | | *For Work In Restricted Working Space, Add* | *8.18* | |
| 22 11 16 00-0711 | EA | 1-1/2" Crimped Copper Reducing Coupling | 65.15 | 20.02 |
| | | *For Work In Restricted Working Space, Add* | *9.02* | |
| 22 11 16 00-0712 | EA | 2" Crimped Copper Reducing Coupling | 72.85 | 22.24 |
| | | *For Work In Restricted Working Space, Add* | *10.01* | |
| 22 11 16 00-0713 | EA | 2-1/2" Crimped Copper FTG x C Reducing Coupling | 147.38 | 26.57 |
| | | *For Work In Restricted Working Space, Add* | *11.94* | |
| 22 11 16 00-0714 | EA | 3" Crimped Copper FTG x C Reducing Coupling | 184.05 | 31.25 |
| | | *For Work In Restricted Working Space, Add* | *14.05* | |
| 22 11 16 00-0715 | EA | 4" Crimped Copper FTG x C Reducing Coupling | 239.08 | 41.32 |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |

## 22 11 16 00-0716 Crimped Copper Male Adapters *(22 11 16 00-0657)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0717 | EA | 1/2" Crimped Copper Male Adapter | 24.91 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-0718 | EA | 3/4" Crimped Copper Male Adapter | 30.95 | 16.04 |
| | | *For Work In Restricted Working Space, Add* | *7.20* | |
| 22 11 16 00-0719 | EA | 1" Crimped Copper Male Adapter | 41.44 | 19.08 |
| | | *For Work In Restricted Working Space, Add* | *8.60* | |
| 22 11 16 00-0720 | EA | 1-1/4" Crimped Copper Male Adapter | 59.59 | 21.07 |
| | | *For Work In Restricted Working Space, Add* | *9.48* | |
| 22 11 16 00-0721 | EA | 1-1/2" Crimped Copper Male Adapter | 74.38 | 23.41 |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 22 11 16 00-0722 | EA | 2" Crimped Copper Male Adapter | 117.74 | 28.09 |
| | | *For Work In Restricted Working Space, Add* | *12.64* | |
| 22 11 16 00-0723 | EA | 2-1/2" Crimped Copper Male Adapter | 232.01 | 32.77 |
| | | *For Work In Restricted Working Space, Add* | *14.75* | |
| 22 11 16 00-0724 | EA | 3" Crimped Copper Male Adapter | 288.58 | 38.98 |
| | | *For Work In Restricted Working Space, Add* | *17.56* | |
| 22 11 16 00-0725 | EA | 4" Crimped Copper Male Adapter | 343.54 | 51.51 |
| | | *For Work In Restricted Working Space, Add* | *23.18* | |

## 22 11 16 00-0726 Crimped Copper Female Adapters *(22 11 16 00-0657)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0727 | EA | 1/2" Crimped Copper Female Adapter | 25.71 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-0728 | EA | 3/4" Crimped Copper Female Adapter | 31.54 | 16.04 |
| | | *For Work In Restricted Working Space, Add* | *7.20* | |
| 22 11 16 00-0729 | EA | 1" Crimped Copper Female Adapter | 42.61 | 19.08 |
| | | *For Work In Restricted Working Space, Add* | *8.60* | |
| 22 11 16 00-0730 | EA | 1-1/4" Crimped Copper Female Adapter | 63.08 | 21.07 |
| | | *For Work In Restricted Working Space, Add* | *9.48* | |
| 22 11 16 00-0731 | EA | 1-1/2" Crimped Copper Female Adapter | 80.88 | 23.41 |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 22 11 16 00-0732 | EA | 2" Crimped Copper Female Adapter | 119.84 | 28.09 |
| | | *For Work In Restricted Working Space, Add* | *12.64* | |

## 22 11 16 00-0733 Crimped Copper Caps *(22 11 16 00-0657)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0734 | EA | 1/2" Crimped Copper Cap | 17.27 | 7.03 |
| | | *For Work In Restricted Working Space, Add* | *3.16* | |
| 22 11 16 00-0735 | EA | 3/4" Crimped Copper Cap | 23.67 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *3.69* | |
| 22 11 16 00-0736 | EA | 1" Crimped Copper Cap | 31.59 | 9.36 |
| | | *For Work In Restricted Working Space, Add* | *4.22* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0737 | EA | 1-1/4" Crimped Copper Cap | 35.67 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *4.74* | |
| 22 11 16 00-0738 | EA | 1-1/2" Crimped Copper Cap | 48.92 | 12.06 |
| | | *For Work In Restricted Working Space, Add* | *5.44* | |
| 22 11 16 00-0739 | EA | 2" Crimped Copper Cap | 58.46 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-0740 | EA | 2-1/2" Crimped Copper Cap | 144.15 | 16.39 |
| | | *For Work In Restricted Working Space, Add* | *7.38* | |
| 22 11 16 00-0741 | EA | 3" Crimped Copper Cap | 180.59 | 19.55 |
| | | *For Work In Restricted Working Space, Add* | *8.78* | |
| 22 11 16 00-0742 | EA | 4" Crimped Copper Cap | 240.27 | 25.75 |
| | | *For Work In Restricted Working Space, Add* | *11.59* | |

## 22 11 16 00-0743 C x F NPT Crimped Bronze Unions *(22 11 16 00-0657)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0744 | EA | 1/2" C x F NPT Crimped Bronze Union | 48.42 | 19.08 |
| | | *For Work In Restricted Working Space, Add* | *8.60* | |
| 22 11 16 00-0745 | EA | 3/4" C x F NPT Crimped Bronze Union | 60.56 | 23.53 |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| 22 11 16 00-0746 | EA | 1" C x F NPT Crimped Bronze Union | 84.31 | 28.21 |
| | | *For Work In Restricted Working Space, Add* | *12.68* | |
| 22 11 16 00-0747 | EA | 1-1/4" C x F NPT Crimped Bronze Union | 102.13 | 32.54 |
| | | *For Work In Restricted Working Space, Add* | *14.68* | |
| 22 11 16 00-0748 | EA | 1-1/2" C x F NPT Crimped Bronze Union | 131.39 | 31.84 |
| | | *For Work In Restricted Working Space, Add* | *14.33* | |
| 22 11 16 00-0749 | EA | 2" C x F NPT Crimped Bronze Union | 179.86 | 46.12 |
| | | *For Work In Restricted Working Space, Add* | *20.72* | |

## 22 11 16 00-0750 C x C Crimped Bronze Unions *(22 11 16 00-0657)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0751 | EA | 1/2" C x C Bronze Crimped Union | 45.69 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-0752 | EA | 3/4" C x C Bronze Crimped Union | 56.27 | 16.04 |
| | | *For Work In Restricted Working Space, Add* | *7.20* | |
| 22 11 16 00-0753 | EA | 1" C x C Bronze Crimped Union | 80.23 | 19.08 |
| | | *For Work In Restricted Working Space, Add* | *8.60* | |
| 22 11 16 00-0754 | EA | 1-1/4" C x C Bronze Crimped Union | 105.23 | 21.07 |
| | | *For Work In Restricted Working Space, Add* | *9.48* | |
| 22 11 16 00-0755 | EA | 1-1/2" C x C Bronze Crimped Union | 135.11 | 23.41 |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 22 11 16 00-0756 | EA | 2" C x C Bronze Crimped Union | 205.43 | 28.09 |
| | | *For Work In Restricted Working Space, Add* | *12.64* | |

## 22 11 16 00-0757 C x Flange Crimped Bronze Flange *(22 11 16 00-0657)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0758 | EA | 2-1/2" C x Flange Crimped Bronze Flange | 398.80 | 32.77 |
| | | *For Work In Restricted Working Space, Add* | *14.75* | |
| 22 11 16 00-0759 | EA | 3" C x Flange Crimped Bronze Flange | 434.85 | 38.98 |
| | | *For Work In Restricted Working Space, Add* | *17.56* | |
| 22 11 16 00-0760 | EA | 4" C x Flange Crimped Bronze Flange | 498.54 | 51.51 |
| | | *For Work In Restricted Working Space, Add* | *23.18* | |

## 22 11 16 00-0761 Field Installed FKM Seals *(22 11 16 00-0657)*

Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0762 | EA | 1/2" Field Installed FKM Seal<br>Note: To be used in conjunction with fittings. | 7.24 | |
| | | *For Work In Restricted Working Space, Add* | *1.58* | |
| 22 11 16 00-0763 | EA | 3/4" Field Installed FKM Seal<br>Note: To be used in conjunction with fittings. | 9.16 | |
| | | *For Work In Restricted Working Space, Add* | *1.84* | |
| 22 11 16 00-0764 | EA | 1" Field Installed FKM Seal<br>Note: To be used in conjunction with fittings. | 10.52 | |
| | | *For Work In Restricted Working Space, Add* | *2.11* | |
| 22 11 16 00-0765 | EA | 1-1/4" Field Installed FKM Seal<br>Note: To be used in conjunction with fittings. | 12.09 | |
| | | *For Work In Restricted Working Space, Add* | *2.37* | |
| 22 11 16 00-0766 | EA | 1-1/2" Field Installed FKM Seal<br>Note: To be used in conjunction with fittings. | 16.97 | |
| | | *For Work In Restricted Working Space, Add* | *2.72* | |
| 22 11 16 00-0767 | EA | 2" Field Installed FKM Seal<br>Note: To be used in conjunction with fittings. | 18.89 | |
| | | *For Work In Restricted Working Space, Add* | *3.16* | |
| 22 11 16 00-0768 | EA | 2-1/2" Field Installed FKM Seal<br>Note: To be used in conjunction with fittings. | 28.20 | |
| | | *For Work In Restricted Working Space, Add* | *3.69* | |
| 22 11 16 00-0769 | EA | 3" Field Installed FKM Seal<br>Note: To be used in conjunction with fittings. | 32.39 | |
| | | *For Work In Restricted Working Space, Add* | *4.39* | |
| 22 11 16 00-0770 | EA | 4" Field Installed FKM Seal<br>Note: To be used in conjunction with fittings. | 44.16 | |
| | | *For Work In Restricted Working Space, Add* | *5.79* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 11 16 00-0771** | | **Cut And Prepare Existing In-Place Copper Pipe** *(22 11 16 00-0383)* | | |
| 22 11 16 00-0772 | EA | Up To 1/2", Cut And Prepare Existing In Place Copper Pipe | 11.71 | |
| 22 11 16 00-0773 | EA | 3/4", Cut And Prepare Existing In Place Copper Pipe | 12.65 | |
| 22 11 16 00-0774 | EA | 1", Cut And Prepare Existing In Place Copper Pipe | 14.23 | |
| 22 11 16 00-0775 | EA | 1-1/4", Cut And Prepare Existing In Place Copper Pipe | 14.92 | |
| 22 11 16 00-0776 | EA | 1-1/2", Cut And Prepare Existing In Place Copper Pipe | 15.80 | |
| 22 11 16 00-0777 | EA | 2", Cut And Prepare Existing In Place Copper Pipe | 17.39 | |
| 22 11 16 00-0778 | EA | 2-1/2", Cut And Prepare Existing In Place Copper Pipe | 18.73 | |
| 22 11 16 00-0779 | EA | 3", Cut And Prepare Existing In Place Copper Pipe | 22.12 | |
| 22 11 16 00-0780 | EA | 4", Cut And Prepare Existing In Place Copper Pipe | 29.85 | |
| 22 11 16 00-0781 | EA | 6", Cut And Prepare Existing In Place Copper Pipe | 42.66 | |
| 22 11 16 00-0782 | EA | 8", Cut And Prepare Existing In Place Copper Pipe | 56.88 | |
| **22 11 16 00-0783** | | **Sweat Brass Companion Flanges** *(22 11 16 00-0383)* | | |
| | | Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set. | | |
| 22 11 16 00-0784 | EA | 1" Sweat Brass Companion Flange | 64.00 | 18.00 |
| 22 11 16 00-0785 | EA | 1-1/4" Sweat Brass Companion Flange | 69.87 | 19.83 |
| 22 11 16 00-0786 | EA | 1-1/2" Sweat Brass Companion Flange | 99.41 | 21.56 |
| 22 11 16 00-0787 | EA | 2" Sweat Brass Companion Flange | 132.66 | 23.93 |
| 22 11 16 00-0788 | EA | 2-1/2" Sweat Brass Companion Flange | 154.49 | 28.78 |
| 22 11 16 00-0789 | EA | 3" Sweat Brass Companion Flange | 171.86 | 37.72 |
| 22 11 16 00-0790 | EA | 4" Sweat Brass Companion Flange | 228.21 | 44.95 |
| 22 11 16 00-0791 | EA | 5" Sweat Brass Companion Flange | 432.23 | 54.73 |
| 22 11 16 00-0792 | EA | 6" Sweat Brass Companion Flange | 505.41 | 79.52 |
| 22 11 16 00-0793 | EA | 8" Copper Companion Flange | 1,135.08 | 113.43 |
| **22 11 16 00-0794** | | **Brass Compression Fittings** *(22 11 16 00-0383)* | | |
| **22 11 16 00-0795** | | **Brass Compression Unions** *(22 11 16 00-0794)* | | |
| 22 11 16 00-0796 | EA | 1/4" Brass Compression Union | 20.05 | 12.65 |
| 22 11 16 00-0797 | EA | 3/8" Brass Compression Union | 20.35 | 12.65 |
| 22 11 16 00-0798 | EA | 1/2" Brass Compression Union | 21.26 | 12.65 |
| 22 11 16 00-0799 | EA | 5/8" Brass Compression Union | 21.69 | 12.65 |
| 22 11 16 00-0800 | EA | 3/4" Brass Compression Union | 30.85 | 12.65 |
| 22 11 16 00-0801 | EA | 3/8" x 1/4" Brass Compression Union | 20.56 | 12.65 |
| 22 11 16 00-0802 | EA | 1/2" x 3/8" Brass Compression Union | 21.33 | 12.65 |
| 22 11 16 00-0803 | EA | 5/8" x 3/8" Brass Compression Union | 21.87 | 12.65 |
| 22 11 16 00-0804 | EA | 5/8" x 1/2" Brass Compression Union | 22.73 | 12.65 |
| **22 11 16 00-0805** | | **Brass Compression Union Elbows** *(22 11 16 00-0794)* | | |
| 22 11 16 00-0806 | EA | 1/4" Brass Compression Union Elbow | 21.26 | 12.65 |
| 22 11 16 00-0807 | EA | 3/8" Brass Compression Union Elbow | 21.75 | 12.65 |
| 22 11 16 00-0808 | EA | 1/2" Brass Compression Union Elbow | 22.83 | 12.65 |
| 22 11 16 00-0809 | EA | 5/8" Brass Compression Union Elbow | 24.50 | 12.65 |
| 22 11 16 00-0810 | EA | 3/4" Brass Compression Union Elbow | 31.03 | 12.65 |
| 22 11 16 00-0811 | EA | 3/8" x 1/4" Brass Compression Union Elbow | 21.75 | 12.65 |
| 22 11 16 00-0812 | EA | 1/2" x 3/8" Brass Compression Union Elbow | 22.83 | 12.65 |
| 22 11 16 00-0813 | EA | 5/8" x 3/8" Brass Compression Union Elbow | 23.13 | 12.65 |
| 22 11 16 00-0814 | EA | 5/8" x 1/2" Brass Compression Union Elbow | 28.03 | 12.65 |
| **22 11 16 00-0815** | | **Brass Compression Union Tees** *(22 11 16 00-0794)* | | |
| 22 11 16 00-0816 | EA | 1/4" Brass Compression Union Tee | 21.63 | 12.65 |
| 22 11 16 00-0817 | EA | 3/8" Brass Compression Union Tee | 22.65 | 12.65 |
| 22 11 16 00-0818 | EA | 1/2" Brass Compression Union Tee | 23.73 | 12.65 |
| 22 11 16 00-0819 | EA | 5/8" Brass Compression Union Tee | 27.14 | 12.65 |
| 22 11 16 00-0820 | EA | 3/4" Brass Compression Union Tee | 38.92 | 12.65 |
| 22 11 16 00-0821 | EA | 3/8" x 3/8" x 1/4" Brass Compression Union Tee | 23.37 | 12.65 |
| 22 11 16 00-0822 | EA | 1/2" x 1/2" x 3/8" Brass Compression Union Tee | 28.90 | 12.65 |
| 22 11 16 00-0823 | EA | 5/8" x 5/8" x 3/8" Brass Compression Union Tee | 28.37 | 12.65 |
| 22 11 16 00-0824 | EA | 5/8" x 5/8" x 1/2" Brass Compression Union Tee | 28.99 | 12.65 |
| **22 11 16 00-0825** | | **Brass Compression Male Connectors** *(22 11 16 00-0794)* | | |
| 22 11 16 00-0826 | EA | 1/4" Brass Compression Male Connector | 19.84 | 12.65 |
| 22 11 16 00-0827 | EA | 3/8" Brass Compression Male Connector | 20.23 | 12.65 |
| 22 11 16 00-0828 | EA | 1/2" Brass Compression Male Connector | 20.91 | 12.65 |
| 22 11 16 00-0829 | EA | 5/8" Brass Compression Male Connector | 21.93 | 12.65 |
| 22 11 16 00-0830 | EA | 3/4" Brass Compression Male Connector | 27.28 | 12.52 |
| **22 11 16 00-0831** | | **Brass Compression Female Connectors** *(22 11 16 00-0794)* | | |
| 22 11 16 00-0832 | EA | 1/4" Brass Compression Female Connector | 20.27 | 12.65 |
| 22 11 16 00-0833 | EA | 3/8" Brass Compression Female Connector | 20.78 | 12.65 |
| 22 11 16 00-0834 | EA | 1/2" Brass Compression Female Connector | 21.65 | 12.65 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0835 | EA | 5/8" Brass Compression Female Connector | 22.23 | 12.65 |
| 22 11 16 00-0836 | EA | 3/4" Brass Compression Female Connector | 35.64 | 12.40 |
| 22 11 16 00-0837 | | Dielectric Fittings *(22 11 16 00-0383)* | | |
| 22 11 16 00-0838 | | Copper x Female Iron Pipe Thread Dielectric Unions *(22 11 16 00-0837)* | | |
| 22 11 16 00-0839 | EA | 1/2" Copper x Female Iron Pipe Thread Dielectric Union | 49.78 | 28.09 |
| 22 11 16 00-0840 | EA | 3/4" Copper x Female Iron Pipe Thread Dielectric Union | 55.63 | 32.08 |
| 22 11 16 00-0841 | EA | 1" Copper x Female Iron Pipe Thread Dielectric Union | 66.12 | 35.25 |
| 22 11 16 00-0842 | EA | 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union | 80.01 | 38.80 |
| 22 11 16 00-0843 | EA | 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union | 96.64 | 43.11 |
| 22 11 16 00-0844 | EA | 2" Copper x Female Iron Pipe Thread Dielectric Union | 122.65 | 51.73 |
| 22 11 16 00-0845 | | Female Brass Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0837)* | | |
| 22 11 16 00-0846 | EA | 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union | 54.61 | 28.09 |
| 22 11 16 00-0847 | EA | 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union | 63.59 | 32.08 |
| 22 11 16 00-0848 | EA | 1" Female Brass Thread x Iron Pipe Thread Dielectric Union | 76.61 | 35.25 |
| 22 11 16 00-0849 | EA | 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union | 93.92 | 38.80 |
| 22 11 16 00-0850 | EA | 1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union | 113.85 | 43.11 |
| 22 11 16 00-0851 | EA | 2" Female Brass Thread x Iron Pipe Thread Dielectric Union | 142.83 | 51.73 |
| 22 11 16 00-0852 | | Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0837)* | | |
| 22 11 16 00-0853 | EA | 1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union | 51.55 | 28.09 |
| 22 11 16 00-0854 | EA | 3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union | 58.54 | 32.08 |
| 22 11 16 00-0855 | EA | 1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union | 66.89 | 35.25 |
| 22 11 16 00-0856 | EA | 1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union | 77.32 | 38.80 |
| 22 11 16 00-0857 | EA | 1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union | 93.97 | 43.11 |
| 22 11 16 00-0858 | EA | 2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union | 120.51 | 51.73 |
| 22 11 16 00-0859 | | Copper x Female Iron Pipe Thread Dielectric Flanges *(22 11 16 00-0837)* | | |
| 22 11 16 00-0860 | EA | 2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange | 298.78 | 133.01 |
| 22 11 16 00-0861 | EA | 3" Copper x Female Iron Pipe Thread Dielectric Flange | 374.08 | 167.50 |
| 22 11 16 00-0862 | EA | 4" Copper x Female Iron Pipe Thread Dielectric Flange | 527.18 | 227.98 |
| 22 11 16 00-0863 | | Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges *(22 11 16 00-0837)* | | |
| 22 11 16 00-0864 | EA | 2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange | 300.77 | 133.01 |
| 22 11 16 00-0865 | EA | 3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange | 389.92 | 167.50 |
| 22 11 16 00-0866 | EA | 4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange | 709.83 | 227.98 |
| 22 11 16 00-0867 | | Brass Push-Fit Fittings *(22 11 16)* | | |
| 22 11 16 00-0868 | EA | 1/4" x 1/4" Brass Push-Fit Coupling<br>Note: (Sharkbite) | 25.97 | 11.71 |
| 22 11 16 00-0869 | EA | 3/8" x 3/8" Brass Push-Fit Coupling<br>Note: (Sharkbite) | 32.56 | 12.49 |
| 22 11 16 00-0870 | EA | 1/2" x 1/2" Brass Push-Fit Coupling<br>Note: (Sharkbite) | 33.57 | 14.05 |
| 22 11 16 00-0871 | EA | 5/8" x 5/8" Brass Push-Fit Coupling<br>Note: (Sharkbite) | 38.82 | 14.98 |
| 22 11 16 00-0872 | EA | 3/4" x 3/4" Brass Push-Fit Coupling<br>Note: (Sharkbite) | 39.46 | 16.00 |
| 22 11 16 00-0873 | EA | 1" x 1" Brass Push-Fit Coupling<br>Note: (Sharkbite) | 56.00 | 19.12 |
| 22 11 16 00-0874 | EA | 1/2" x 3/8" Brass Push-Fit Reducing Coupling<br>Note: (Sharkbite) | 33.06 | 13.26 |
| 22 11 16 00-0875 | EA | 3/4" x 1/2" Brass Push-Fit Reducing Coupling<br>Note: (Sharkbite) | 33.80 | 14.52 |
| 22 11 16 00-0876 | EA | 3/4" x 5/8" Brass Push-Fit Reducing Coupling<br>Note: (Sharkbite) | 38.41 | 14.52 |
| 22 11 16 00-0877 | EA | 1" x 3/4" Brass Push-Fit Reducing Coupling<br>Note: (Sharkbite) | 57.88 | 17.56 |
| 22 11 16 00-0878 | EA | 1/4" x 1/4" Brass Push-Fit Elbow<br>Note: (Sharkbite) | 27.19 | 11.71 |
| 22 11 16 00-0879 | EA | 3/8" x 3/8" Brass Push-Fit Elbow<br>Note: (Sharkbite) | 37.74 | 12.49 |
| 22 11 16 00-0880 | EA | 1/2" x 1/2" Brass Push-Fit Elbow<br>Note: (Sharkbite) | 34.24 | 14.05 |
| 22 11 16 00-0881 | EA | 5/8" x 5/8" Brass Push-Fit Elbow<br>Note: (Sharkbite) | 41.83 | 14.98 |
| 22 11 16 00-0882 | EA | 3/4" x 3/4" Brass Push-Fit Elbow<br>Note: (Sharkbite) | 38.60 | 16.00 |
| 22 11 16 00-0883 | EA | 1" x 1" Brass Push-Fit Elbow<br>Note: (Sharkbite) | 56.66 | 19.12 |
| 22 11 16 00-0884 | EA | 1/2" x 3/8" Brass Push-Fit Reducing Elbow<br>Note: (Sharkbite) | 32.50 | 13.26 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0885 | EA | 3/4" x 1/2" Brass Push-Fit Reducing Elbow<br>Note: (Sharkbite) | 36.27 | 14.52 |
| 22 11 16 00-0886 | EA | 3/4" x 5/8" Brass Push-Fit Reducing Elbow<br>Note: (Sharkbite) | 36.51 | 14.52 |
| 22 11 16 00-0887 | EA | 1" x 3/4" Brass Push-Fit Reducing Elbow<br>Note: (Sharkbite) | 72.70 | 17.56 |
| 22 11 16 00-0888 | EA | 1/4" x 1/4" x 1/4" Brass Push-Fit Tee<br>Note: (Sharkbite) | 41.28 | 17.56 |
| 22 11 16 00-0889 | EA | 3/8" x 3/8" x 3/8" Brass Push-Fit Tee<br>Note: (Sharkbite) | 52.83 | 18.73 |
| 22 11 16 00-0890 | EA | 1/2" x 1/2" x 1/2" Brass Push-Fit Tee<br>Note: (Sharkbite) | 47.75 | 21.07 |
| 22 11 16 00-0891 | EA | 5/8" x 5/8" x 5/8" Brass Push-Fit Tee<br>Note: (Sharkbite) | 61.48 | 22.47 |
| 22 11 16 00-0892 | EA | 3/4" x 3/4" x 3/4" Brass Push-Fit Tee<br>Note: (Sharkbite) | 55.80 | 23.99 |
| 22 11 16 00-0893 | EA | 1" x 1" x 1" Brass Push-Fit Tee<br>Note: (Sharkbite) | 76.95 | 28.67 |
| 22 11 16 00-0894 | EA | 1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee<br>Note: (Sharkbite) | 54.19 | 19.89 |
| 22 11 16 00-0895 | EA | 1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee<br>Note: (Sharkbite) | 54.45 | 20.29 |
| 22 11 16 00-0896 | EA | 3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee<br>Note: (Sharkbite) | 53.89 | 23.03 |
| 22 11 16 00-0897 | EA | 1" x 1" x 3/4" Brass Push-Fit Reducing Tee<br>Note: (Sharkbite) | 74.76 | 27.12 |
| 22 11 16 00-0898 | EA | 1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector<br>Note: (Sharkbite) | 31.08 | 12.88 |
| 22 11 16 00-0899 | EA | 3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector<br>Note: (Sharkbite) | 30.62 | 13.26 |
| 22 11 16 00-0900 | EA | 1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector<br>Note: (Sharkbite) | 30.12 | 14.05 |
| 22 11 16 00-0901 | EA | 3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector<br>Note: (Sharkbite) | 34.50 | 16.00 |
| 22 11 16 00-0902 | EA | 1" x 1" Brass Push-Fit Pipe To FNPT Connector<br>Note: (Sharkbite) | 49.03 | 19.12 |
| 22 11 16 00-0903 | EA | 1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector<br>Note: (Sharkbite) | 26.92 | 12.88 |
| 22 11 16 00-0904 | EA | 3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector<br>Note: (Sharkbite) | 30.62 | 13.26 |
| 22 11 16 00-0905 | EA | 1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector<br>Note: (Sharkbite) | 30.21 | 14.05 |
| 22 11 16 00-0906 | EA | 3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector<br>Note: (Sharkbite) | 34.13 | 16.00 |
| 22 11 16 00-0907 | EA | 5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector<br>Note: (Sharkbite) | 37.40 | 15.48 |
| 22 11 16 00-0908 | EA | 1" x 3/4" Brass Push-Fit Pipe To MNPT Connector<br>Note: (Sharkbite) | 45.04 | 17.56 |
| 22 11 16 00-0909 | EA | 1" x 1" Brass Push-Fit Pipe To MNPT Connector<br>Note: (Sharkbite) | 49.80 | 19.12 |
| 22 11 16 00-0910 | EA | 1/2" Brass Push-Fit Ball Valve<br>Note: (Sharkbite) | 44.51 | 14.05 |
| 22 11 16 00-0911 | EA | 3/4" Brass Push-Fit Ball Valve<br>Note: (Sharkbite) | 52.10 | 16.00 |
| 22 11 16 00-0912 | EA | 1" Brass Push-Fit Ball Valve<br>Note: (Sharkbite) | 69.15 | 19.12 |
| 22 11 16 00-0913 | EA | 1/2" Brass Push-Fit Check Valve<br>Note: (Sharkbite) | 47.85 | 14.05 |
| 22 11 16 00-0914 | EA | 3/4" Brass Push-Fit Check Valve<br>Note: (Sharkbite) | 57.74 | 16.00 |
| 22 11 16 00-0915 | EA | 1" Brass Push-Fit Check Valve<br>Note: (Sharkbite) | 98.49 | 19.12 |

## 22 11 16 00-0916 Copper Pipe With Fittings And Hangers Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0917 | LF | 1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly<br>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. | 24.41 | 3.28 |
| | | *For Type K Tubing Instead Of Type L, Add* | *1.80* | |
| | | *For Type M Tubing Instead Of Type L, Deduct* | *-1.46* | |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *3.05* | |
| | | *For For Brazed Fittings, Add* | *0.73* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.14* | |
| | | *For Work In Restricted Working Space, Add* | *5.49* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0918 | LF | 3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly | 28.30 | 4.22 |
| | | Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. | | |
| | | *For Type K Tubing Instead Of Type L, Add* | *2.15* | |
| | | *For Type M Tubing Instead Of Type L, Deduct* | *-1.74* | |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *3.49* | |
| | | *For For Brazed Fittings, Add* | *0.83* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.45* | |
| | | *For Work In Restricted Working Space, Add* | *6.23* | |
| 22 11 16 00-0919 | LF | 1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly | 31.48 | 5.03 |
| | | Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. | | |
| | | *For Type K Tubing Instead Of Type L, Add* | *2.57* | |
| | | *For Type M Tubing Instead Of Type L, Deduct* | *-2.04* | |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *3.75* | |
| | | *For For Brazed Fittings, Add* | *0.87* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.66* | |
| | | *For Work In Restricted Working Space, Add* | *6.53* | |
| 22 11 16 00-0920 | LF | 1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly | 36.09 | 5.85 |
| | | Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. | | |
| | | *For Type K Tubing Instead Of Type L, Add* | *3.26* | |
| | | *For Type M Tubing Instead Of Type L, Deduct* | *-2.52* | |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *4.06* | |
| | | *For For Brazed Fittings, Add* | *0.90* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-2.93* | |
| | | *For Work In Restricted Working Space, Add* | *6.78* | |
| | | *For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct* | *-1.35* | |
| 22 11 16 00-0921 | LF | 1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly | 40.42 | 6.68 |
| | | Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. | | |
| | | *For Type K Tubing Instead Of Type L, Add* | *3.81* | |
| | | *For Type M Tubing Instead Of Type L, Deduct* | *-2.92* | |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *4.43* | |
| | | *For For Brazed Fittings, Add* | *0.96* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.23* | |
| | | *For Work In Restricted Working Space, Add* | *7.23* | |
| | | *For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct* | *-1.63* | |
| 22 11 16 00-0922 | LF | 2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly | 51.73 | 8.31 |
| | | Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. | | |
| | | *For Type K Tubing Instead Of Type L, Add* | *5.29* | |
| | | *For Type M Tubing Instead Of Type L, Deduct* | *-3.99* | |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *5.36* | |
| | | *For For Brazed Fittings, Add* | *1.11* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-3.97* | |
| | | *For Work In Restricted Working Space, Add* | *8.32* | |
| | | *For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct* | *-2.40* | |
| 22 11 16 00-0923 | LF | 2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly | 64.22 | 10.02 |
| | | Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. | | |
| | | *For Type K Tubing Instead Of Type L, Add* | *7.20* | |
| | | *For Type M Tubing Instead Of Type L, Deduct* | *-5.33* | |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *6.19* | |
| | | *For For Brazed Fittings, Add* | *1.19* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-4.70* | |
| | | *For Work In Restricted Working Space, Add* | *8.92* | |
| | | *For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct* | *-3.45* | |
| 22 11 16 00-0924 | LF | 3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly | 79.01 | 11.64 |
| | | Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. | | |
| | | *For Type K Tubing Instead Of Type L, Add* | *9.45* | |
| | | *For Type M Tubing Instead Of Type L, Deduct* | *-6.90* | |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *7.17* | |
| | | *For For Brazed Fittings, Add* | *1.29* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-5.56* | |
| | | *For Work In Restricted Working Space, Add* | *9.66* | |
| | | *For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct* | *-4.68* | |
| 22 11 16 00-0925 | LF | 4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly | 124.54 | 15.41 |
| | | Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. | | |
| | | *For Type K Tubing Instead Of Type L, Add* | *16.12* | |
| | | *For Type M Tubing Instead Of Type L, Deduct* | *-11.61* | |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *10.39* | |
| | | *For For Brazed Fittings, Add* | *1.67* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-8.31* | |
| | | *For Work In Restricted Working Space, Add* | *12.50* | |
| | | *For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct* | *-8.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0926 | LF | 5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly<br>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. | 219.46 | 19.19 |
| | | *For Type K Tubing Instead Of Type L, Add* | *31.09* | |
| | | *For Type M Tubing Instead Of Type L, Deduct* | *-22.06* | |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *16.32* | |
| | | *For For Brazed Fittings, Add* | *2.14* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-13.65* | |
| | | *For Work In Restricted Working Space, Add* | *16.04* | |
| | | *For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct* | *-16.60* | |
| 22 11 16 00-0927 | LF | 6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly<br>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. | 286.61 | 23.18 |
| | | *For Type K Tubing Instead Of Type L, Add* | *40.86* | |
| | | *For Type M Tubing Instead Of Type L, Deduct* | *-28.96* | |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *21.12* | |
| | | *For For Brazed Fittings, Add* | *2.72* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-17.73* | |
| | | *For Work In Restricted Working Space, Add* | *20.37* | |
| | | *For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct* | *-21.87* | |
| 22 11 16 00-0928 | LF | 8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly<br>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. | 605.79 | 27.70 |
| | | *For Type K Tubing Instead Of Type L, Add* | *94.31* | |
| | | *For Type M Tubing Instead Of Type L, Deduct* | *-65.94* | |
| | | *For Silver Solder Instead Of 95/5 Solder, Add* | *38.73* | |
| | | *For For Brazed Fittings, Add* | *3.38* | |
| | | *For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct* | *-34.51* | |
| | | *For Work In Restricted Working Space, Add* | *25.32* | |
| | | *For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct* | *-52.14* | |

## 22 11 16 00-0929 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)*

Note: Socket weld.

## 22 11 16 00-0930 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0929)*

## 22 11 16 00-0931 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0930)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0932 | LF | 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 6.03 | 1.72 |
| | | *For Work In Restricted Working Space, Add* | *1.29* | |
| 22 11 16 00-0933 | LF | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 6.88 | 1.81 |
| | | *For Work In Restricted Working Space, Add* | *1.36* | |
| 22 11 16 00-0934 | LF | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 8.33 | 1.95 |
| | | *For Work In Restricted Working Space, Add* | *1.46* | |
| 22 11 16 00-0935 | LF | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 10.10 | 2.13 |
| | | *For Work In Restricted Working Space, Add* | *1.60* | |
| 22 11 16 00-0936 | LF | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 11.66 | 2.35 |
| | | *For Work In Restricted Working Space, Add* | *1.76* | |
| 22 11 16 00-0937 | LF | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 14.58 | 2.63 |
| | | *For Work In Restricted Working Space, Add* | *1.97* | |
| 22 11 16 00-0938 | LF | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 19.72 | 2.98 |
| | | *For Work In Restricted Working Space, Add* | *2.24* | |
| 22 11 16 00-0939 | LF | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 25.18 | 3.54 |
| | | *For Work In Restricted Working Space, Add* | *2.65* | |
| 22 11 16 00-0940 | LF | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 34.86 | 4.34 |
| | | *For Work In Restricted Working Space, Add* | *3.26* | |
| 22 11 16 00-0941 | LF | 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 60.22 | 5.52 |
| | | *For Work In Restricted Working Space, Add* | *4.14* | |
| 22 11 16 00-0942 | LF | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 86.56 | 7.24 |
| | | *For Work In Restricted Working Space, Add* | *5.43* | |

## 22 11 16 00-0943 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0930)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0944 | EA | 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 23.17 | 8.19 |
| | | *For Work In Restricted Working Space, Add* | *6.14* | |
| 22 11 16 00-0945 | EA | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 30.05 | 10.34 |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| 22 11 16 00-0946 | EA | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 39.05 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *9.73* | |
| 22 11 16 00-0947 | EA | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 53.27 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *12.16* | |
| 22 11 16 00-0948 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 59.23 | 17.89 |
| | | *For Work In Restricted Working Space, Add* | *13.45* | |
| 22 11 16 00-0949 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 69.40 | 17.89 |
| | | *For Work In Restricted Working Space, Add* | *15.00* | |
| 22 11 16 00-0950 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 107.42 | 22.74 |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 22 11 16 00-0951 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 122.15 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *20.18* | |
| 22 11 16 00-0952 | EA | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 174.32 | 33.09 |
| | | *For Work In Restricted Working Space, Add* | *24.83* | |
| 22 11 16 00-0953 | EA | 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 219.94 | 42.03 |
| | | *For Work In Restricted Working Space, Add* | *31.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0954 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 418.78 | 55.19 |
| | | *For Work In Restricted Working Space, Add* | *41.39* | |

## 22 11 16 00-0955 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0930)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0956 | EA | 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 24.52 | 8.19 |
| | | *For Work In Restricted Working Space, Add* | *6.14* | |
| 22 11 16 00-0957 | EA | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 31.66 | 10.34 |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| 22 11 16 00-0958 | EA | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 41.67 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *9.73* | |
| 22 11 16 00-0959 | EA | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 56.71 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *12.16* | |
| 22 11 16 00-0960 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 63.41 | 17.89 |
| | | *For Work In Restricted Working Space, Add* | *13.45* | |
| 22 11 16 00-0961 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 70.82 | 20.05 |
| | | *For Work In Restricted Working Space, Add* | *15.00* | |
| 22 11 16 00-0962 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 108.32 | 22.74 |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 22 11 16 00-0963 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 122.03 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *20.18* | |
| 22 11 16 00-0964 | EA | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 157.92 | 33.09 |
| | | *For Work In Restricted Working Space, Add* | *24.83* | |
| 22 11 16 00-0965 | EA | 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 250.69 | 42.03 |
| | | *For Work In Restricted Working Space, Add* | *31.56* | |
| 22 11 16 00-0966 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 440.56 | 55.19 |
| | | *For Work In Restricted Working Space, Add* | *41.39* | |

## 22 11 16 00-0967 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0930)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0968 | EA | 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 35.62 | 12.29 |
| | | *For Work In Restricted Working Space, Add* | *9.22* | |
| 22 11 16 00-0969 | EA | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 46.61 | 15.52 |
| | | *For Work In Restricted Working Space, Add* | *11.64* | |
| 22 11 16 00-0970 | EA | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 58.32 | 19.51 |
| | | *For Work In Restricted Working Space, Add* | *14.62* | |
| 22 11 16 00-0971 | EA | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 81.04 | 24.36 |
| | | *For Work In Restricted Working Space, Add* | *18.24* | |
| 22 11 16 00-0972 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 90.46 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *20.18* | |
| 22 11 16 00-0973 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 109.63 | 29.97 |
| | | *For Work In Restricted Working Space, Add* | *22.51* | |
| 22 11 16 00-0974 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 142.23 | 34.17 |
| | | *For Work In Restricted Working Space, Add* | *25.61* | |
| 22 11 16 00-0975 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 162.75 | 40.31 |
| | | *For Work In Restricted Working Space, Add* | *30.27* | |
| 22 11 16 00-0976 | EA | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 197.26 | 49.69 |
| | | *For Work In Restricted Working Space, Add* | *37.25* | |
| 22 11 16 00-0977 | EA | 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 300.60 | 63.17 |
| | | *For Work In Restricted Working Space, Add* | *47.34* | |
| 22 11 16 00-0978 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 615.77 | 82.78 |
| | | *For Work In Restricted Working Space, Add* | *62.09* | |

## 22 11 16 00-0979 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0930)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-0980 | EA | 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross | 45.18 | 16.39 |
| | | *For Work In Restricted Working Space, Add* | *12.29* | |
| 22 11 16 00-0981 | EA | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross | 58.46 | 20.70 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 11 16 00-0982 | EA | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross | 73.16 | 25.98 |
| | | *For Work In Restricted Working Space, Add* | *19.47* | |
| 22 11 16 00-0983 | EA | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross | 98.50 | 32.44 |
| | | *For Work In Restricted Working Space, Add* | *24.32* | |
| 22 11 16 00-0984 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross | 109.67 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *26.90* | |
| 22 11 16 00-0985 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross | 129.84 | 39.99 |
| | | *For Work In Restricted Working Space, Add* | *30.01* | |
| 22 11 16 00-0986 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross | 162.79 | 45.49 |
| | | *For Work In Restricted Working Space, Add* | *34.15* | |
| 22 11 16 00-0987 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross | 187.80 | 53.79 |
| | | *For Work In Restricted Working Space, Add* | *40.36* | |
| 22 11 16 00-0988 | EA | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross | 228.51 | 66.18 |
| | | *For Work In Restricted Working Space, Add* | *49.67* | |
| 22 11 16 00-0989 | EA | 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross | 333.39 | 84.19 |
| | | *For Work In Restricted Working Space, Add* | *63.12* | |
| 22 11 16 00-0990 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross | 628.07 | 110.38 |
| | | *For Work In Restricted Working Space, Add* | *82.79* | |

## 22 11 16 00-0991 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0930)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-0992 | EA | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert | 20.58 | 7.54 |
| | | *For Work In Restricted Working Space, Add* | *5.69* | |
| 22 11 16 00-0993 | EA | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert | 28.68 | 10.24 |
| | | *For Work In Restricted Working Space, Add* | *7.66* | |
| 22 11 16 00-0994 | EA | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert | 47.76 | 13.37 |
| | | *For Work In Restricted Working Space, Add* | *10.02* | |
| 22 11 16 00-0995 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert | 53.90 | 14.77 |
| | | *For Work In Restricted Working Space, Add* | *11.09* | |
| 22 11 16 00-0996 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert | 63.51 | 16.49 |
| | | *For Work In Restricted Working Space, Add* | *12.38* | |
| 22 11 16 00-0997 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert | 69.23 | 18.76 |
| | | *For Work In Restricted Working Space, Add* | *14.10* | |
| 22 11 16 00-0998 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert | 83.98 | 22.20 |
| | | *For Work In Restricted Working Space, Add* | *16.65* | |
| 22 11 16 00-0999 | EA | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert | 113.95 | 27.27 |
| | | *For Work In Restricted Working Space, Add* | *20.50* | |
| 22 11 16 00-1000 | EA | 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert | 183.95 | 34.71 |
| | | *For Work In Restricted Working Space, Add* | *26.03* | |
| 22 11 16 00-1001 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert | 406.21 | 45.49 |
| | | *For Work In Restricted Working Space, Add* | *34.15* | |

## 22 11 16 00-1002 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts *(22 11 16 00-0930)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1003 | EA | 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert | 24.02 | 5.39 |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 22 11 16 00-1004 | EA | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert | 30.33 | 7.54 |
| | | *For Work In Restricted Working Space, Add* | *5.69* | |
| 22 11 16 00-1005 | EA | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert | 37.72 | 10.24 |
| | | *For Work In Restricted Working Space, Add* | *7.66* | |
| 22 11 16 00-1006 | EA | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert | 46.97 | 13.37 |
| | | *For Work In Restricted Working Space, Add* | *10.02* | |
| 22 11 16 00-1007 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert | 55.05 | 14.77 |
| | | *For Work In Restricted Working Space, Add* | *11.09* | |
| 22 11 16 00-1008 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert | 69.27 | 16.49 |
| | | *For Work In Restricted Working Space, Add* | *12.38* | |
| 22 11 16 00-1009 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert | 106.82 | 18.76 |
| | | *For Work In Restricted Working Space, Add* | *14.10* | |
| 22 11 16 00-1010 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert | 211.76 | 22.20 |
| | | *For Work In Restricted Working Space, Add* | *16.65* | |
| 22 11 16 00-1011 | EA | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert | 314.58 | 27.27 |
| | | *For Work In Restricted Working Space, Add* | *20.50* | |

## 22 11 16 00-1012 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters *(22 11 16 00-0930)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1013 | EA | 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters | 17.52 | 5.39 |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 22 11 16 00-1014 | EA | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters | 24.43 | 7.54 |
| | | *For Work In Restricted Working Space, Add* | *5.69* | |
| 22 11 16 00-1015 | EA | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters | 34.73 | 10.24 |
| | | *For Work In Restricted Working Space, Add* | *7.66* | |
| 22 11 16 00-1016 | EA | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters | 46.97 | 13.37 |
| | | *For Work In Restricted Working Space, Add* | *10.02* | |
| 22 11 16 00-1017 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters | 55.32 | 14.77 |
| | | *For Work In Restricted Working Space, Add* | *11.09* | |
| 22 11 16 00-1018 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters | 66.09 | 16.49 |
| | | *For Work In Restricted Working Space, Add* | *12.38* | |
| 22 11 16 00-1019 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters | 93.97 | 18.76 |
| | | *For Work In Restricted Working Space, Add* | *14.10* | |
| 22 11 16 00-1020 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters | 112.30 | 22.20 |
| | | *For Work In Restricted Working Space, Add* | *16.65* | |
| 22 11 16 00-1021 | EA | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters | 164.35 | 27.27 |
| | | *For Work In Restricted Working Space, Add* | *20.50* | |

## 22 11 16 00-1022 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters *(22 11 16 00-0930)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1023 | EA | 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters | 19.05 | 5.39 |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 22 11 16 00-1024 | EA | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters | 24.91 | 7.54 |
| | | *For Work In Restricted Working Space, Add* | *5.69* | |
| 22 11 16 00-1025 | EA | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters | 34.86 | 10.24 |
| | | *For Work In Restricted Working Space, Add* | *7.66* | |
| 22 11 16 00-1026 | EA | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters | 47.42 | 13.37 |
| | | *For Work In Restricted Working Space, Add* | *10.02* | |
| 22 11 16 00-1027 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters | 53.26 | 14.77 |
| | | *For Work In Restricted Working Space, Add* | *11.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-1028 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters | 64.41 | 16.49 |
| | | *For Work In Restricted Working Space, Add* | *12.38* | |
| 22 11 16 00-1029 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters | 94.94 | 18.76 |
| | | *For Work In Restricted Working Space, Add* | *14.10* | |
| 22 11 16 00-1030 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters | 129.26 | 22.20 |
| | | *For Work In Restricted Working Space, Add* | *16.65* | |
| 22 11 16 00-1031 | EA | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters | 193.19 | 27.27 |
| | | *For Work In Restricted Working Space, Add* | *20.50* | |

## 22 11 16 00-1032 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 11 16 00-0930)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1033 | EA | 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings | 15.73 | 4.96 |
| | | *For Work In Restricted Working Space, Add* | *3.69* | |
| 22 11 16 00-1034 | EA | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings | 22.10 | 6.90 |
| | | *For Work In Restricted Working Space, Add* | *5.17* | |
| 22 11 16 00-1035 | EA | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings | 29.72 | 9.27 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 11 16 00-1036 | EA | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings | 40.15 | 12.18 |
| | | *For Work In Restricted Working Space, Add* | *9.12* | |
| 22 11 16 00-1037 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings | 45.92 | 13.48 |
| | | *For Work In Restricted Working Space, Add* | *10.09* | |
| 22 11 16 00-1038 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings | 51.78 | 14.98 |
| | | *For Work In Restricted Working Space, Add* | *11.25* | |
| 22 11 16 00-1039 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings | 76.91 | 17.03 |
| | | *For Work In Restricted Working Space, Add* | *12.81* | |
| 22 11 16 00-1040 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings | 85.01 | 20.16 |
| | | *For Work In Restricted Working Space, Add* | *15.14* | |
| 22 11 16 00-1041 | EA | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings | 107.37 | 24.79 |
| | | *For Work In Restricted Working Space, Add* | *18.63* | |
| 22 11 16 00-1042 | EA | 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings | 168.23 | 31.58 |
| | | *For Work In Restricted Working Space, Add* | *23.67* | |
| 22 11 16 00-1043 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings | 284.50 | 41.39 |
| | | *For Work In Restricted Working Space, Add* | *31.04* | |

## 22 11 16 00-1044 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions *(22 11 16 00-0930)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1045 | EA | 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions | 29.42 | 5.93 |
| | | *For Work In Restricted Working Space, Add* | *4.43* | |
| 22 11 16 00-1046 | EA | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions | 36.06 | 8.30 |
| | | *For Work In Restricted Working Space, Add* | *6.21* | |
| 22 11 16 00-1047 | EA | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions | 43.65 | 11.10 |
| | | *For Work In Restricted Working Space, Add* | *8.34* | |
| 22 11 16 00-1048 | EA | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions | 73.68 | 14.56 |
| | | *For Work In Restricted Working Space, Add* | *10.93* | |
| 22 11 16 00-1049 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions | 78.23 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *12.09* | |
| 22 11 16 00-1050 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions | 107.98 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *13.52* | |
| 22 11 16 00-1051 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions | 181.67 | 20.48 |
| | | *For Work In Restricted Working Space, Add* | *15.36* | |
| 22 11 16 00-1052 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions | 257.74 | 24.26 |
| | | *For Work In Restricted Working Space, Add* | *18.17* | |
| 22 11 16 00-1053 | EA | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions | 409.65 | 29.75 |
| | | *For Work In Restricted Working Space, Add* | *22.34* | |
| 22 11 16 00-1054 | EA | 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions | 547.32 | 37.83 |
| | | *For Work In Restricted Working Space, Add* | *28.40* | |
| 22 11 16 00-1055 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions | 677.13 | 49.69 |
| | | *For Work In Restricted Working Space, Add* | *37.25* | |

## 22 11 16 00-1056 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 11 16 00-0930)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1057 | EA | 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap | 13.11 | 5.07 |
| | | *For Work In Restricted Working Space, Add* | *2.31* | |
| 22 11 16 00-1058 | EA | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap | 17.40 | 6.36 |
| | | *For Work In Restricted Working Space, Add* | *2.91* | |
| 22 11 16 00-1059 | EA | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap | 25.77 | 7.98 |
| | | *For Work In Restricted Working Space, Add* | *3.65* | |
| 22 11 16 00-1060 | EA | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap | 30.11 | 6.03 |
| | | *For Work In Restricted Working Space, Add* | *4.56* | |
| 22 11 16 00-1061 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap | 32.02 | 6.68 |
| | | *For Work In Restricted Working Space, Add* | *5.04* | |
| 22 11 16 00-1062 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap | 43.24 | 7.54 |
| | | *For Work In Restricted Working Space, Add* | *5.63* | |
| 22 11 16 00-1063 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap | 65.43 | 8.51 |
| | | *For Work In Restricted Working Space, Add* | *6.40* | |
| 22 11 16 00-1064 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap | 70.32 | 10.13 |
| | | *For Work In Restricted Working Space, Add* | *7.57* | |
| 22 11 16 00-1065 | EA | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap | 107.11 | 12.40 |
| | | *For Work In Restricted Working Space, Add* | *9.31* | |
| 22 11 16 00-1066 | EA | 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap | 228.73 | 15.73 |
| | | *For Work In Restricted Working Space, Add* | *11.84* | |
| 22 11 16 00-1067 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap | 294.77 | 20.70 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-1068 | | **Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges** *(22 11 16 00-0930)* | | |
| 22 11 16 00-1069 | EA | 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges | 22.89 | 3.88 |
| | | *For Work In Restricted Working Space, Add* | *2.94* | |
| 22 11 16 00-1070 | EA | 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges | 27.81 | 5.50 |
| | | *For Work In Restricted Working Space, Add* | *4.14* | |
| 22 11 16 00-1071 | EA | 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges | 34.16 | 7.43 |
| | | *For Work In Restricted Working Space, Add* | *5.56* | |
| 22 11 16 00-1072 | EA | 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges | 40.43 | 9.70 |
| | | *For Work In Restricted Working Space, Add* | *7.31* | |
| 22 11 16 00-1073 | EA | 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges | 43.39 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 11 16 00-1074 | EA | 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges | 51.83 | 11.97 |
| | | *For Work In Restricted Working Space, Add* | *8.99* | |
| 22 11 16 00-1075 | EA | 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges | 68.29 | 13.69 |
| | | *For Work In Restricted Working Space, Add* | *10.25* | |
| 22 11 16 00-1076 | EA | 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges | 77.52 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *12.09* | |
| 22 11 16 00-1077 | EA | 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges | 96.84 | 19.83 |
| | | *For Work In Restricted Working Space, Add* | *14.91* | |
| 22 11 16 00-1078 | EA | 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges | 137.29 | 25.22 |
| | | *For Work In Restricted Working Space, Add* | *18.95* | |
| 22 11 16 00-1079 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges | 250.01 | 33.09 |
| | | *For Work In Restricted Working Space, Add* | *24.83* | |
| 22 11 16 00-1080 | | **Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe** *(22 11 16)* | | |
| 22 11 16 00-1081 | | **Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe** *(22 11 16 00-1080)* | | |
| | | Note: Aquatherm greenpipe® | | |
| 22 11 16 00-1082 | LF | 1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe | 5.23 | 1.83 |
| 22 11 16 00-1083 | LF | 3/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe | 6.19 | 1.91 |
| 22 11 16 00-1084 | LF | 1" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe | 8.47 | 2.30 |
| 22 11 16 00-1085 | LF | 1-1/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe | 10.78 | 2.47 |
| 22 11 16 00-1086 | LF | 1-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe | 15.08 | 2.76 |
| 22 11 16 00-1087 | LF | 2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe | 20.21 | 2.83 |
| 22 11 16 00-1088 | LF | 2-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe | 28.89 | 3.84 |
| 22 11 16 00-1089 | LF | 3" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe | 38.49 | 4.43 |
| 22 11 16 00-1090 | LF | 3-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe | 52.04 | 4.96 |
| 22 11 16 00-1091 | LF | 4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe | 61.65 | 5.48 |
| 22 11 16 00-1092 | | **Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe** *(22 11 16 00-1080)* | | |
| | | Note: Aquatherm greenpipe® | | |
| 22 11 16 00-1093 | LF | 1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe | 4.74 | 1.83 |
| 22 11 16 00-1094 | LF | 3/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe | 5.38 | 1.91 |
| 22 11 16 00-1095 | LF | 1" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe | 7.02 | 2.30 |
| 22 11 16 00-1096 | LF | 1-1/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe | 8.65 | 2.47 |
| 22 11 16 00-1097 | LF | 1-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe | 11.38 | 2.76 |
| 22 11 16 00-1098 | LF | 2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe | 14.94 | 2.83 |
| 22 11 16 00-1099 | LF | 2-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe | 20.78 | 3.84 |
| 22 11 16 00-1100 | LF | 3" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe | 27.79 | 4.43 |
| 22 11 16 00-1101 | LF | 3-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe | 38.61 | 4.96 |
| 22 11 16 00-1102 | LF | 4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe | 45.73 | 5.48 |
| 22 11 16 00-1103 | | **Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe** *(22 11 16 00-1080)* | | |
| | | Note: Aquatherm greenpipe®. | | |
| 22 11 16 00-1104 | LF | 1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe | 5.48 | 1.83 |
| 22 11 16 00-1105 | LF | 3/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe | 6.54 | 1.91 |
| 22 11 16 00-1106 | LF | 1" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe | 8.86 | 2.30 |
| 22 11 16 00-1107 | LF | 1-1/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe | 11.28 | 2.47 |
| 22 11 16 00-1108 | LF | 1-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe | 16.52 | 2.76 |
| 22 11 16 00-1109 | LF | 2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe | 21.00 | 2.83 |
| 22 11 16 00-1110 | LF | 2-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe | 30.00 | 3.84 |
| 22 11 16 00-1111 | LF | 3" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe | 41.28 | 4.43 |
| 22 11 16 00-1112 | LF | 3-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe | 51.90 | 4.96 |
| 22 11 16 00-1113 | LF | 4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe | 61.21 | 5.48 |
| 22 11 16 00-1114 | | **Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe** *(22 11 16 00-1080)* | | |
| | | Note: Aquatherm climatherm®. | | |
| 22 11 16 00-1115 | LF | 1/2" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe | 4.72 | 1.84 |
| 22 11 16 00-1116 | LF | 3/4" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe | 5.47 | 1.91 |
| 22 11 16 00-1117 | LF | 1" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe | 6.48 | 2.30 |
| 22 11 16 00-1118 | LF | 1-1/4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe | 7.89 | 2.47 |
| 22 11 16 00-1119 | LF | 1-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe | 10.00 | 2.77 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-1120 | LF | 2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe | 12.86 | 2.83 |
| 22 11 16 00-1121 | LF | 2-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe | 17.93 | 3.84 |
| 22 11 16 00-1122 | LF | 3" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe | 23.81 | 4.43 |
| 22 11 16 00-1123 | LF | 3-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe | 32.06 | 4.97 |
| 22 11 16 00-1124 | LF | 4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe | 38.76 | 5.48 |
| 22 11 16 00-1125 | LF | 6" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe | 46.46 | 7.01 |
| 22 11 16 00-1126 | LF | 8" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe | 74.94 | 9.20 |
| **22 11 16 00-1127** | | **Pipe Clamp For Polypropylene Random (PP-R) Pipe** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1128 | EA | 1/2" Pipe Clamp For Polypropylene Pipe | 13.26 | 4.55 |
| 22 11 16 00-1129 | EA | 3/4" Pipe Clamp For Polypropylene Pipe | 13.89 | 4.55 |
| 22 11 16 00-1130 | EA | 1" Pipe Clamp For Polypropylene Pipe | 14.32 | 4.55 |
| 22 11 16 00-1131 | EA | 1-1/4" Pipe Clamp For Polypropylene Pipe | 14.46 | 4.55 |
| 22 11 16 00-1132 | EA | 1-1/2" Pipe Clamp For Polypropylene Pipe | 14.95 | 4.55 |
| 22 11 16 00-1133 | EA | 2" Pipe Clamp For Polypropylene Pipe | 16.37 | 4.55 |
| 22 11 16 00-1134 | EA | 2-1/2" Pipe Clamp For Polypropylene Pipe | 18.42 | 4.55 |
| 22 11 16 00-1135 | EA | 3" Pipe Clamp For Polypropylene Pipe | 19.12 | 4.55 |
| 22 11 16 00-1136 | EA | 3-1/2" Pipe Clamp For Polypropylene Pipe | 20.11 | 4.55 |
| 22 11 16 00-1137 | EA | 4" Pipe Clamp For Polypropylene Pipe | 21.45 | 4.55 |
| **22 11 16 00-1138** | | **Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1139 | EA | Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike | 4.37 | |
| 22 11 16 00-1140 | EA | Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike | 4.54 | |
| 22 11 16 00-1141 | EA | Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike | 4.63 | |
| 22 11 16 00-1142 | EA | Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike | 4.69 | |
| **22 11 16 00-1143** | | **Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1144 | EA | 1/2" Polypropylene Pipe Plastic Pipe Clamp | 10.21 | 2.37 |
| 22 11 16 00-1145 | EA | 3/4" Polypropylene Pipe Plastic Pipe Clamp | 10.64 | 2.37 |
| **22 11 16 00-1146** | | **Polypropylene Random (PP-R), Heat Fusion, Socket Coupling** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1147 | EA | 1/2" Polypropylene, Heat Fusion, Socket Coupling | 9.13 | 3.67 |
| 22 11 16 00-1148 | EA | 3/4" Polypropylene, Heat Fusion, Socket Coupling | 9.67 | 3.84 |
| 22 11 16 00-1149 | EA | 1" Polypropylene, Heat Fusion, Socket Coupling | 11.84 | 4.60 |
| 22 11 16 00-1150 | EA | 1-1/4" Polypropylene, Heat Fusion, Socket Coupling | 13.02 | 4.93 |
| 22 11 16 00-1151 | EA | 1-1/2" Polypropylene, Heat Fusion, Socket Coupling | 17.71 | 5.53 |
| 22 11 16 00-1152 | EA | 2" Polypropylene, Heat Fusion, Socket Coupling | 24.55 | 5.64 |
| 22 11 16 00-1153 | EA | 2-1/2" Polypropylene, Heat Fusion, Socket Coupling | 30.19 | 7.67 |
| 22 11 16 00-1154 | EA | 3" Polypropylene, Heat Fusion, Socket Coupling | 50.40 | 8.88 |
| 22 11 16 00-1155 | EA | 3-1/2" Polypropylene, Heat Fusion, Socket Coupling | 72.93 | 9.91 |
| 22 11 16 00-1156 | EA | 4" Polypropylene, Heat Fusion, Socket Coupling | 91.58 | 10.96 |
| **22 11 16 00-1157** | | **Polypropylene Random (PP-R), Heat Fusion, Bushing** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1158 | EA | 1" Polypropylene, Heat Fusion, Bushing | 10.01 | 3.67 |
| 22 11 16 00-1159 | EA | 1-1/4" Polypropylene, Heat Fusion, Bushing | 11.78 | 3.84 |
| 22 11 16 00-1160 | EA | 1-1/2" Polypropylene, Heat Fusion, Bushing | 16.00 | 4.60 |
| 22 11 16 00-1161 | EA | 2" Polypropylene, Heat Fusion, Bushing | 23.46 | 4.93 |
| 22 11 16 00-1162 | EA | 2-1/2" Polypropylene, Heat Fusion, Bushing | 26.28 | 5.53 |
| 22 11 16 00-1163 | EA | 3" Polypropylene, Heat Fusion, Bushing | 45.16 | 5.64 |
| 22 11 16 00-1164 | EA | 3-1/2" Polypropylene, Heat Fusion, Bushing | 69.50 | 7.67 |
| 22 11 16 00-1165 | EA | 4" x 2-1/2" Polypropylene, Heat Fusion, Bushing | 83.84 | 8.88 |
| 22 11 16 00-1166 | EA | 4" x 3" Polypropylene, Heat Fusion, Bushing | 102.03 | 9.91 |
| 22 11 16 00-1167 | EA | 4" x 3-1/2" Polypropylene, Heat Fusion, Bushing | 106.56 | 10.96 |
| **22 11 16 00-1168** | | **Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1169 | EA | 1-1/4" Polypropylene, Heat Fusion, Reducing Coupling | 14.02 | 3.84 |
| 22 11 16 00-1170 | EA | 1-1/2" Polypropylene, Heat Fusion, Reducing Coupling | 18.78 | 4.60 |
| 22 11 16 00-1171 | EA | 2" Polypropylene, Heat Fusion, Reducing Coupling | 28.97 | 4.93 |
| 22 11 16 00-1172 | EA | 2-1/2" Polypropylene, Heat Fusion, Reducing Coupling | 32.07 | 5.53 |
| 22 11 16 00-1173 | EA | 3" Polypropylene, Heat Fusion, Reducing Coupling | 39.58 | 5.64 |
| 22 11 16 00-1174 | EA | 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling | 64.44 | 7.67 |
| 22 11 16 00-1175 | EA | 4" x 3" Polypropylene, Heat Fusion, Reducing Coupling | 83.98 | 9.32 |
| 22 11 16 00-1176 | EA | 4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling | 93.84 | 10.96 |
| **22 11 16 00-1177** | | **Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1178 | EA | 1/2" Polypropylene, Heat Fusion, 90 Degree Elbow | 16.60 | 7.34 |
| 22 11 16 00-1179 | EA | 3/4" Polypropylene, Heat Fusion, 90 Degree Elbow | 17.92 | 7.72 |
| 22 11 16 00-1180 | EA | 1" Polypropylene, Heat Fusion, 90 Degree Elbow | 21.97 | 9.20 |
| 22 11 16 00-1181 | EA | 1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow | 25.31 | 9.91 |
| 22 11 16 00-1182 | EA | 1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow | 33.82 | 11.01 |
| 22 11 16 00-1183 | EA | 2" Polypropylene, Heat Fusion, 90 Degree Elbow | 40.58 | 11.23 |
| 22 11 16 00-1184 | EA | 2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow | 70.98 | 15.39 |
| 22 11 16 00-1185 | EA | 3" Polypropylene, Heat Fusion, 90 Degree Elbow | 102.31 | 17.75 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-1186 | EA | 3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow | 134.54 | 19.83 |
| 22 11 16 00-1187 | EA | 4" Polypropylene, Heat Fusion, 90 Degree Elbow | 189.97 | 21.91 |
| **22 11 16 00-1188** | | **Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1189 | EA | 1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow | 16.60 | 7.34 |
| 22 11 16 00-1190 | EA | 3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow | 17.92 | 7.72 |
| 22 11 16 00-1191 | EA | 1" Polypropylene, Heat Fusion, 90 Degree Street Elbow | 21.97 | 9.20 |
| 22 11 16 00-1192 | EA | 1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow | 25.31 | 9.91 |
| **22 11 16 00-1193** | | **Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1194 | EA | 1/2" Polypropylene, Heat Fusion, 45 Degree Elbow | 16.60 | 7.34 |
| 22 11 16 00-1195 | EA | 3/4" Polypropylene, Heat Fusion, 45 Degree Elbow | 17.92 | 7.72 |
| 22 11 16 00-1196 | EA | 1" Polypropylene, Heat Fusion, 45 Degree Elbow | 21.97 | 9.20 |
| 22 11 16 00-1197 | EA | 1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow | 25.31 | 9.91 |
| 22 11 16 00-1198 | EA | 1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow | 33.82 | 11.01 |
| 22 11 16 00-1199 | EA | 2" Polypropylene, Heat Fusion, 45 Degree Elbow | 40.36 | 11.23 |
| 22 11 16 00-1200 | EA | 2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow | 70.50 | 15.39 |
| 22 11 16 00-1201 | EA | 3" Polypropylene, Heat Fusion, 45 Degree Elbow | 108.81 | 17.75 |
| 22 11 16 00-1202 | EA | 3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow | 144.04 | 19.83 |
| 22 11 16 00-1203 | EA | 4" Polypropylene, Heat Fusion, 45 Degree Elbow | 204.55 | 21.91 |
| **22 11 16 00-1204** | | **Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1205 | EA | 1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow | 16.58 | 7.34 |
| 22 11 16 00-1206 | EA | 3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow | 17.92 | 7.72 |
| 22 11 16 00-1207 | EA | 1" Polypropylene, Heat Fusion, 45 Degree Street Elbow | 21.97 | 9.20 |
| 22 11 16 00-1208 | EA | 1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow | 25.31 | 9.91 |
| **22 11 16 00-1209** | | **Polypropylene Random (PP-R), Heat Fusion, Tee** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1210 | EA | 1/2" Polypropylene, Heat Fusion, Tee | 24.61 | 11.01 |
| 22 11 16 00-1211 | EA | 3/4" Polypropylene, Heat Fusion, Tee | 26.68 | 11.56 |
| 22 11 16 00-1212 | EA | 1" Polypropylene, Heat Fusion, Tee | 32.03 | 13.75 |
| 22 11 16 00-1213 | EA | 1-1/4" Polypropylene, Heat Fusion, Tee | 36.60 | 14.85 |
| 22 11 16 00-1214 | EA | 1-1/2" Polypropylene, Heat Fusion, Tee | 52.81 | 16.55 |
| 22 11 16 00-1215 | EA | 2" Polypropylene, Heat Fusion, Tee | 62.00 | 16.87 |
| 22 11 16 00-1216 | EA | 2-1/2" Polypropylene, Heat Fusion, Tee | 93.45 | 23.07 |
| 22 11 16 00-1217 | EA | 3" Polypropylene, Heat Fusion, Tee | 131.40 | 26.62 |
| 22 11 16 00-1218 | EA | 3-1/2" Polypropylene, Heat Fusion, Tee | 181.27 | 29.72 |
| 22 11 16 00-1219 | EA | 4" Polypropylene, Heat Fusion, Tee | 227.57 | 32.81 |
| **22 11 16 00-1220** | | **Polypropylene Random (PP-R), Heat Fusion, Reducing Tee** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1221 | EA | 1/2" Polypropylene, Heat Fusion, Reducing Tee | 24.61 | 11.01 |
| 22 11 16 00-1222 | EA | 3/4" Polypropylene, Heat Fusion, Reducing Tee | 26.68 | 11.56 |
| 22 11 16 00-1223 | EA | 1" Polypropylene, Heat Fusion, Reducing Tee | 31.97 | 13.75 |
| 22 11 16 00-1224 | EA | 1-1/4" Polypropylene, Heat Fusion, Reducing Tee | 36.60 | 14.85 |
| 22 11 16 00-1225 | EA | 1-1/2" Polypropylene, Heat Fusion, Reducing Tee | 52.81 | 16.55 |
| 22 11 16 00-1226 | EA | 2" Polypropylene, Heat Fusion, Reducing Tee | 60.30 | 16.87 |
| 22 11 16 00-1227 | EA | 2-1/2" Polypropylene, Heat Fusion, Reducing Tee | 89.40 | 23.07 |
| 22 11 16 00-1228 | EA | 3" Polypropylene, Heat Fusion, Reducing Tee | 140.03 | 26.62 |
| 22 11 16 00-1229 | EA | 3-1/2" Polypropylene, Heat Fusion, Reducing Tee | 195.04 | 29.72 |
| 22 11 16 00-1230 | EA | 4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee | 222.68 | 32.81 |
| 22 11 16 00-1231 | EA | 4" x 3" Polypropylene, Heat Fusion, Reducing Tee | 228.13 | 32.81 |
| 22 11 16 00-1232 | EA | 4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee | 228.74 | 32.81 |
| **22 11 16 00-1233** | | **Polypropylene Random (PP-R), Heat Fusion, End Cap** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1234 | EA | 1/2" Polypropylene, Heat Fusion, End Cap | 10.15 | 3.67 |
| 22 11 16 00-1235 | EA | 3/4" Polypropylene, Heat Fusion, End Cap | 11.23 | 3.84 |
| 22 11 16 00-1236 | EA | 1" Polypropylene, Heat Fusion, End Cap | 13.52 | 4.60 |
| 22 11 16 00-1237 | EA | 1-1/4" Polypropylene, Heat Fusion, End Cap | 16.66 | 4.93 |
| 22 11 16 00-1238 | EA | 1-1/2" Polypropylene, Heat Fusion, End Cap | 20.44 | 5.53 |
| 22 11 16 00-1239 | EA | 2" Polypropylene, Heat Fusion, End Cap | 26.97 | 5.64 |
| 22 11 16 00-1240 | EA | 2-1/2" Polypropylene, Heat Fusion, End Cap | 38.09 | 7.67 |
| 22 11 16 00-1241 | EA | 3" Polypropylene, Heat Fusion, End Cap | 69.15 | 8.88 |
| 22 11 16 00-1242 | EA | 3-1/2" Polypropylene, Heat Fusion, End Cap | 81.66 | 9.91 |
| 22 11 16 00-1243 | EA | 4" Polypropylene, Heat Fusion, End Cap | 116.07 | 10.96 |
| **22 11 16 00-1244** | | **Polypropylene Random (PP-R), Heat Fusion Outlet** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1245 | EA | 1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet | 12.97 | |
| 22 11 16 00-1246 | EA | 1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet | 13.30 | |
| 22 11 16 00-1247 | EA | 1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet | 13.63 | |
| 22 11 16 00-1248 | EA | 1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet | 13.96 | |
| 22 11 16 00-1249 | EA | 2" x 1/2" Polypropylene, Heat Fusion Outlet | 14.74 | |
| 22 11 16 00-1250 | EA | 2" x 3/4" Polypropylene, Heat Fusion Outlet | 15.07 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-1251 | EA | 2" x 1" Polypropylene, Heat Fusion Outlet | 16.70 | |
| 22 11 16 00-1252 | EA | 2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet | 15.84 | |
| 22 11 16 00-1253 | EA | 2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet | 16.17 | |
| 22 11 16 00-1254 | EA | 2-1/2" x 1" Polypropylene, Heat Fusion Outlet | 17.80 | |
| 22 11 16 00-1255 | EA | 2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet | 18.57 | |
| 22 11 16 00-1256 | EA | 3" x 1/2" Polypropylene, Heat Fusion Outlet | 16.95 | |
| 22 11 16 00-1257 | EA | 3" x 3/4" Polypropylene, Heat Fusion Outlet | 17.28 | |
| 22 11 16 00-1258 | EA | 3" x 1" Polypropylene, Heat Fusion Outlet | 18.91 | |
| 22 11 16 00-1259 | EA | 3" x 1-1/4" Polypropylene, Heat Fusion Outlet | 19.68 | |
| 22 11 16 00-1260 | EA | 3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet | 16.95 | |
| 22 11 16 00-1261 | EA | 3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet | 18.38 | |
| 22 11 16 00-1262 | EA | 3-1/2" x 1" Polypropylene, Heat Fusion Outlet | 20.01 | |
| 22 11 16 00-1263 | EA | 3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet | 20.78 | |
| 22 11 16 00-1264 | EA | 3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet | 24.75 | |
| 22 11 16 00-1265 | EA | 4" x 1/2" Polypropylene, Heat Fusion Outlet | 19.16 | |
| 22 11 16 00-1266 | EA | 4" x 3/4" Polypropylene, Heat Fusion Outlet | 19.49 | |
| 22 11 16 00-1267 | EA | 4" x 1" Polypropylene, Heat Fusion Outlet | 21.12 | |
| 22 11 16 00-1268 | EA | 4" x 1-1/4" Polypropylene, Heat Fusion Outlet | 21.89 | |
| 22 11 16 00-1269 | EA | 4" x 1-1/2" Polypropylene, Heat Fusion Outlet | 24.75 | |
| 22 11 16 00-1270 | EA | 4" x 2" Polypropylene, Heat Fusion Outlet | 29.64 | |
| **22 11 16 00-1271** | | **Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1272 | EA | 1" Polypropylene, Flange Adaptor With Gaskets Included | 15.40 | 4.60 |
| 22 11 16 00-1273 | EA | 1-1/4" Polypropylene, Flange Adaptor With Gaskets Included | 17.18 | 4.93 |
| 22 11 16 00-1274 | EA | 1-1/2" Polypropylene, Flange Adaptor With Gaskets Included | 22.52 | 5.53 |
| 22 11 16 00-1275 | EA | 2" Polypropylene, Flange Adaptor With Gaskets Included | 24.19 | 5.64 |
| 22 11 16 00-1276 | EA | 2-1/2" Polypropylene, Flange Adaptor With Gaskets Included | 33.41 | 7.67 |
| 22 11 16 00-1277 | EA | 3" Polypropylene, Flange Adaptor With Gaskets Included | 54.50 | 8.88 |
| 22 11 16 00-1278 | EA | 3-1/2" Polypropylene, Flange Adaptor With Gaskets Included | 74.56 | 9.91 |
| 22 11 16 00-1279 | EA | 4" Polypropylene, Flange Adaptor With Gaskets Included | 161.33 | 10.96 |
| **22 11 16 00-1280** | | **Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1281 | EA | 1" Polypropylene, Flange Ring With ANSI Bolt Pattern | 28.91 | |
| 22 11 16 00-1282 | EA | 1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern | 38.30 | |
| 22 11 16 00-1283 | EA | 1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern | 47.89 | |
| 22 11 16 00-1284 | EA | 2" Polypropylene, Flange Ring With ANSI Bolt Pattern | 56.97 | |
| 22 11 16 00-1285 | EA | 2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern | 79.81 | |
| 22 11 16 00-1286 | EA | 3" Polypropylene, Flange Ring With ANSI Bolt Pattern | 92.72 | |
| 22 11 16 00-1287 | EA | 3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern | 114.94 | |
| 22 11 16 00-1288 | EA | 4" Polypropylene, Flange Ring With ANSI Bolt Pattern | 139.28 | |
| **22 11 16 00-1289** | | **Polypropylene Random (PP-R), Electrofusion Coupling** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1290 | EA | 1/2" Polypropylene, Electrofusion Coupling | 60.89 | 7.34 |
| 22 11 16 00-1291 | EA | 3/4" Polypropylene, Electrofusion Coupling | 63.47 | 7.72 |
| 22 11 16 00-1292 | EA | 1" Polypropylene, Electrofusion Coupling | 72.20 | 9.20 |
| 22 11 16 00-1293 | EA | 1-1/4" Polypropylene, Electrofusion Coupling | 74.48 | 9.91 |
| 22 11 16 00-1294 | EA | 1-1/2" Polypropylene, Electrofusion Coupling | 80.97 | 11.01 |
| 22 11 16 00-1295 | EA | 2" Polypropylene, Electrofusion Coupling | 107.92 | 11.23 |
| 22 11 16 00-1296 | EA | 2-1/2" Polypropylene, Electrofusion Coupling | 132.08 | 15.39 |
| 22 11 16 00-1297 | EA | 3" Polypropylene, Electrofusion Coupling | 164.76 | 17.75 |
| 22 11 16 00-1298 | EA | 3-1/2" Polypropylene, Electrofusion Coupling | 223.22 | 19.83 |
| 22 11 16 00-1299 | EA | 4" Polypropylene, Electrofusion Coupling | 274.85 | 21.91 |
| **22 11 16 00-1300** | | **Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1301 | EA | 1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow | 30.44 | 10.07 |
| 22 11 16 00-1302 | EA | 3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow | 36.30 | 10.46 |
| **22 11 16 00-1303** | | **Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1304 | EA | 1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow | 32.90 | 10.07 |
| **22 11 16 00-1305** | | **Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1306 | EA | 1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test | 8.74 | 3.67 |
| 22 11 16 00-1307 | EA | 3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test | 9.48 | 3.84 |
| **22 11 16 00-1308** | | **Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1309 | EA | 1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece | 23.48 | 7.34 |
| 22 11 16 00-1310 | EA | 1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece | 26.27 | 7.34 |
| 22 11 16 00-1311 | EA | 3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece | 24.25 | 7.72 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-1312 | EA | 3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece | 27.04 | 7.72 |
| 22 11 16 00-1313 | EA | 1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece | 31.15 | 9.20 |
| **22 11 16 00-1314** | | **Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1315 | EA | 1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 28.48 | 7.34 |
| 22 11 16 00-1316 | EA | 1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 30.85 | 7.34 |
| 22 11 16 00-1317 | EA | 3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 29.25 | 7.72 |
| 22 11 16 00-1318 | EA | 3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 31.62 | 7.72 |
| 22 11 16 00-1319 | EA | 1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 37.03 | 9.20 |
| 22 11 16 00-1320 | EA | 1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 56.23 | 9.20 |
| 22 11 16 00-1321 | EA | 1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 59.53 | 9.91 |
| 22 11 16 00-1322 | EA | 1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 79.58 | 9.91 |
| 22 11 16 00-1323 | EA | 1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 83.75 | 11.01 |
| 22 11 16 00-1324 | EA | 1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 91.32 | 11.01 |
| 22 11 16 00-1325 | EA | 2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 98.37 | 11.23 |
| 22 11 16 00-1326 | EA | 2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 129.76 | 11.23 |
| 22 11 16 00-1327 | EA | 2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece | 142.82 | 15.39 |
| **22 11 16 00-1328** | | **Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1329 | EA | 1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece | 35.40 | 7.34 |
| 22 11 16 00-1330 | EA | 1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece | 38.36 | 7.34 |
| 22 11 16 00-1331 | EA | 3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece | 36.17 | 7.72 |
| 22 11 16 00-1332 | EA | 3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece | 39.13 | 7.72 |
| 22 11 16 00-1333 | EA | 1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece | 46.38 | 9.20 |
| **22 11 16 00-1334** | | **Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1335 | EA | 1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 29.87 | 7.34 |
| 22 11 16 00-1336 | EA | 1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 32.04 | 7.34 |
| 22 11 16 00-1337 | EA | 3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 32.81 | 7.72 |
| 22 11 16 00-1338 | EA | 1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 47.51 | 9.20 |
| 22 11 16 00-1339 | EA | 1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 67.40 | 9.20 |
| 22 11 16 00-1340 | EA | 1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 50.00 | 9.91 |
| 22 11 16 00-1341 | EA | 1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 71.95 | 9.91 |
| 22 11 16 00-1342 | EA | 1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 75.87 | 11.01 |
| 22 11 16 00-1343 | EA | 1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 88.36 | 11.01 |
| 22 11 16 00-1344 | EA | 2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 101.05 | 11.23 |
| 22 11 16 00-1345 | EA | 2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 114.37 | 11.23 |
| 22 11 16 00-1346 | EA | 2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 124.92 | 15.39 |
| 22 11 16 00-1347 | EA | 2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 171.69 | 15.39 |
| 22 11 16 00-1348 | EA | 3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 255.24 | 17.75 |
| 22 11 16 00-1349 | EA | 3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece | 490.15 | 19.83 |
| **22 11 16 00-1350** | | **Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1351 | EA | 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow | 30.05 | 7.34 |
| 22 11 16 00-1352 | EA | 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow | 24.96 | 7.34 |
| 22 11 16 00-1353 | EA | 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow | 30.82 | 7.72 |
| 22 11 16 00-1354 | EA | 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow | 25.73 | 7.72 |
| 22 11 16 00-1355 | EA | 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow | 35.43 | 9.20 |
| 22 11 16 00-1356 | EA | 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow | 55.24 | 9.20 |
| **22 11 16 00-1357** | | **Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1358 | EA | 1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow | 24.96 | 7.34 |
| **22 11 16 00-1359** | | **Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1360 | EA | 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow | 27.50 | 7.34 |
| 22 11 16 00-1361 | EA | 1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow | 29.15 | 7.34 |
| 22 11 16 00-1362 | EA | 3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow | 29.92 | 7.72 |
| 22 11 16 00-1363 | EA | 1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow | 37.32 | 9.20 |
| 22 11 16 00-1364 | EA | 1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow | 52.03 | 9.20 |
| **22 11 16 00-1365** | | **Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1366 | EA | 1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee | 34.19 | 11.01 |
| 22 11 16 00-1367 | EA | 1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee | 38.21 | 11.01 |
| 22 11 16 00-1368 | EA | 3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee | 35.29 | 11.56 |
| 22 11 16 00-1369 | EA | 3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee | 39.31 | 11.56 |
| 22 11 16 00-1370 | EA | 1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee | 46.41 | 13.75 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-1371 | EA | 1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee | 64.49 | 13.75 |
| 22 11 16 00-1372 | EA | 1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee | 74.74 | 16.55 |
| **22 11 16 00-1373** | | **Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1374 | EA | 1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee | 36.90 | 11.01 |
| **22 11 16 00-1375** | | **Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1376 | EA | 1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting | 26.83 | 3.67 |
| **22 11 16 00-1377** | | **Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1378 | EA | 1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT | 23.24 | |
| 22 11 16 00-1379 | EA | 3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT | 29.99 | |
| 22 11 16 00-1380 | EA | 1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT | 41.44 | |
| **22 11 16 00-1381** | | **Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1382 | EA | 1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT | 27.18 | |
| 22 11 16 00-1383 | EA | 3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT | 37.29 | |
| **22 11 16 00-1384** | | **Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1385 | EA | 1/2" Polypropylene, Heat Fusion, PEX Adaptor | 18.76 | 3.67 |
| 22 11 16 00-1386 | EA | 3/4" Polypropylene, Heat Fusion, PEX Adaptor | 28.50 | 3.84 |
| 22 11 16 00-1387 | EA | 1" Polypropylene, Heat Fusion, PEX Adaptor | 37.42 | 4.60 |
| **22 11 16 00-1388** | | **Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1389 | EA | 1/2" Polypropylene, Heat Fusion, FIP Stop Valve Body | 24.93 | 8.06 |
| 22 11 16 00-1390 | EA | 3/4" Polypropylene, Heat Fusion, FIP Stop Valve Body | 25.81 | 8.49 |
| 22 11 16 00-1391 | EA | 1" Polypropylene, Heat Fusion, FIP Stop Valve Body | 37.00 | 10.07 |
| 22 11 16 00-1392 | EA | 1-1/4" Polypropylene, Heat Fusion, FIP Stop Valve Body | 57.85 | 10.90 |
| **22 11 16 00-1393** | | **Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1394 | EA | 1/2" Polypropylene, Heat Fusion, Inclined Check Valve | 75.82 | 8.06 |
| 22 11 16 00-1395 | EA | 3/4" Polypropylene, Heat Fusion, Inclined Check Valve | 76.70 | 8.49 |
| 22 11 16 00-1396 | EA | 1" Polypropylene, Heat Fusion, Inclined Check Valve | 91.66 | 10.07 |
| 22 11 16 00-1397 | EA | 1-1/4" Polypropylene, Heat Fusion, Inclined Check Valve | 151.69 | 10.90 |
| **22 11 16 00-1398** | | **Polypropylene Random (PP-R), Heat Fusion, Ball Valve** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1399 | EA | 1/2" Polypropylene, Heat Fusion, Ball Valve | 69.97 | 8.06 |
| 22 11 16 00-1400 | EA | 3/4" Polypropylene, Heat Fusion, Ball Valve | 77.63 | 8.49 |
| 22 11 16 00-1401 | EA | 1" Polypropylene, Heat Fusion, Ball Valve | 94.20 | 10.07 |
| 22 11 16 00-1402 | EA | 1-1/4" Polypropylene, Heat Fusion, Ball Valve | 133.77 | 10.90 |
| 22 11 16 00-1403 | EA | 1-1/2" Polypropylene, Heat Fusion, Ball Valve | 195.34 | 12.10 |
| 22 11 16 00-1404 | EA | 2" Polypropylene, Heat Fusion, Ball Valve | 298.47 | 12.38 |
| **22 11 16 00-1405** | | **Extension For Ball Valve** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1406 | EA | Extension For 1/2" to 3/4" Ball Valve, 1-3/8" Length | 36.23 | |
| 22 11 16 00-1407 | EA | Extension For 1" to 1-1/4" Ball Valve, 1-3/8" Length | 36.29 | |
| 22 11 16 00-1408 | EA | Extension For 1-1/2" to 2" Ball Valve, 1-3/4" Length | 39.76 | |
| **22 11 16 00-1409** | | **Polypropylene Random (PP-R), Heat Fusion, Draining Branch** *(22 11 16 00-1080)* | | |
| 22 11 16 00-1410 | EA | 1/2" Polypropylene, Heat Fusion, Draining Branch | 33.12 | 7.34 |
| 22 11 16 00-1411 | EA | 3/4" Polypropylene, Heat Fusion, Draining Branch | 33.89 | 7.72 |
| 22 11 16 00-1412 | EA | 1" Polypropylene, Heat Fusion, Draining Branch | 38.80 | 9.20 |
| 22 11 16 00-1413 | EA | 1-1/4" Polypropylene, Heat Fusion, Draining Branch | 40.22 | 9.91 |
| 22 11 16 00-1414 | EA | 1-1/2" Polypropylene, Heat Fusion, Draining Branch | 44.11 | 11.01 |
| 22 11 16 00-1415 | EA | 2" Polypropylene, Heat Fusion, Draining Branch | 47.51 | 11.23 |
| **22 11 16 00-1416** | | **Red Brass Pipe And Fittings** *(22 11 16)* Note: ASTM B43 And B251 (Pipe), ASME B16.15. | | |
| **22 11 16 00-1417** | | **Schedule 40 Red Brass Pipe** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1418 | LF | 1/2" Schedule 40 Red Brass Pipe | 30.21 | 2.27 |
| 22 11 16 00-1419 | LF | 3/4" Schedule 40 Red Brass Pipe | 40.07 | 2.27 |
| 22 11 16 00-1420 | LF | 1" Schedule 40 Red Brass Pipe | 54.73 | 2.27 |
| 22 11 16 00-1421 | LF | 1-1/4" Schedule 40 Red Brass Pipe | 80.31 | 2.48 |
| 22 11 16 00-1422 | LF | 1-1/2" Schedule 40 Red Brass Pipe | 92.50 | 2.70 |
| 22 11 16 00-1423 | LF | 2" Schedule 40 Red Brass Pipe | 118.55 | 3.23 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-1424 | LF | 2-1/2" Schedule 40 Red Brass Pipe | 172.47 | 3.67 |
| 22 11 16 00-1425 | LF | 3" Schedule 40 Red Brass Pipe | 243.75 | 3.88 |
| 22 11 16 00-1426 | LF | 4" Schedule 40 Red Brass Pipe | 349.46 | 3.88 |
| **22 11 16 00-1427** | | **125 LB Cast Bronze, Screwed, 90 Degree Elbows** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1428 | EA | 1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow | 63.09 | 26.84 |
| 22 11 16 00-1429 | EA | 3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow | 71.60 | 29.53 |
| 22 11 16 00-1430 | EA | 1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow | 90.22 | 34.92 |
| 22 11 16 00-1431 | EA | 1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow | 108.19 | 37.51 |
| 22 11 16 00-1432 | EA | 1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow | 121.42 | 40.20 |
| 22 11 16 00-1433 | EA | 2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow | 151.94 | 42.90 |
| 22 11 16 00-1434 | EA | 2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow | 260.02 | 53.68 |
| 22 11 16 00-1435 | EA | 3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow | 361.97 | 64.36 |
| 22 11 16 00-1436 | EA | 4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow | 643.84 | 85.80 |
| **22 11 16 00-1437** | | **125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1438 | EA | 1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow | 66.24 | 26.84 |
| 22 11 16 00-1439 | EA | 3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow | 76.18 | 29.53 |
| 22 11 16 00-1440 | EA | 1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow | 99.80 | 34.92 |
| 22 11 16 00-1441 | EA | 1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow | 120.76 | 37.51 |
| 22 11 16 00-1442 | EA | 1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow | 138.72 | 40.20 |
| 22 11 16 00-1443 | EA | 2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow | 189.71 | 42.90 |
| 22 11 16 00-1444 | EA | 2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow | 291.49 | 53.68 |
| 22 11 16 00-1445 | EA | 3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow | 458.70 | 64.36 |
| 22 11 16 00-1446 | EA | 4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow | 917.56 | 85.80 |
| **22 11 16 00-1447** | | **125 LB Cast Bronze, Screwed, 45 Degree Elbows** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1448 | EA | 1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow | 64.69 | 26.84 |
| 22 11 16 00-1449 | EA | 3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow | 74.73 | 29.53 |
| 22 11 16 00-1450 | EA | 1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow | 96.52 | 34.92 |
| 22 11 16 00-1451 | EA | 1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow | 117.63 | 37.51 |
| 22 11 16 00-1452 | EA | 1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow | 133.99 | 40.20 |
| 22 11 16 00-1453 | EA | 2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow | 172.39 | 42.90 |
| 22 11 16 00-1454 | EA | 2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow | 272.56 | 53.68 |
| 22 11 16 00-1455 | EA | 3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow | 383.45 | 64.36 |
| 22 11 16 00-1456 | EA | 4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow | 853.96 | 85.80 |
| **22 11 16 00-1457** | | **125 Lb. Cast Bronze, Screwed, Tees** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1458 | EA | 1/2", 125 Lb., Cast Bronze, Screwed, Tee | 91.51 | 40.20 |
| 22 11 16 00-1459 | EA | 3/4", 125 Lb., Cast Bronze, Screwed, Tee | 103.70 | 43.98 |
| 22 11 16 00-1460 | EA | 1", 125 Lb., Cast Bronze, Screwed, Tee | 132.43 | 52.07 |
| 22 11 16 00-1461 | EA | 1-1/4", 125 Lb., Cast Bronze, Screwed, Tee | 161.47 | 56.38 |
| 22 11 16 00-1462 | EA | 1-1/2", 125 Lb., Cast Bronze, Screwed, Tee | 175.27 | 60.03 |
| 22 11 16 00-1463 | EA | 2", 125 Lb., Cast Bronze, Screwed, Tee | 220.04 | 64.36 |
| 22 11 16 00-1464 | EA | 2-1/2", 125 Lb., Cast Bronze, Screwed, Tee | 368.71 | 80.52 |
| 22 11 16 00-1465 | EA | 3", 125 Lb., Cast Bronze, Screwed, Tee | 510.75 | 96.58 |
| 22 11 16 00-1466 | EA | 4", 125 Lb., Cast Bronze, Screwed, Tee | 1,044.46 | 128.70 |
| **22 11 16 00-1467** | | **125 Lb. Cast Bronze, Screwed, Reducing Tees** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1468 | EA | 1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee | 96.22 | 40.20 |
| 22 11 16 00-1469 | EA | 3/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee | 106.88 | 43.98 |
| 22 11 16 00-1470 | EA | 1", 125 Lb., Cast Bronze, Screwed, Reducing Tee | 145.02 | 52.07 |
| 22 11 16 00-1471 | EA | 1-1/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee | 170.91 | 56.38 |
| 22 11 16 00-1472 | EA | 1-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee | 200.45 | 60.03 |
| 22 11 16 00-1473 | EA | 2", 125 Lb., Cast Bronze, Screwed, Reducing Tee | 259.39 | 64.36 |
| 22 11 16 00-1474 | EA | 2-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee | 445.23 | 80.52 |
| 22 11 16 00-1475 | EA | 3", 125 Lb., Cast Bronze, Screwed, Reducing Tee | 843.30 | 96.58 |
| 22 11 16 00-1476 | EA | 4", 125 Lb., Cast Bronze, Screwed, Reducing Tee | 1,306.77 | 128.70 |
| **22 11 16 00-1477** | | **125 Lb. Cast Bronze, Screwed, Crosses** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1478 | EA | 1/2", 125 Lb., Cast Bronze, Screwed, Cross | 129.35 | 53.68 |
| 22 11 16 00-1479 | EA | 3/4", 125 Lb., Cast Bronze, Screwed, Cross | 149.51 | 58.96 |
| 22 11 16 00-1480 | EA | 1", 125 Lb., Cast Bronze, Screwed, Cross | 188.29 | 69.74 |
| 22 11 16 00-1481 | EA | 1-1/4", 125 Lb., Cast Bronze, Screwed, Cross | 232.79 | 75.13 |
| 22 11 16 00-1482 | EA | 1-1/2", 125 Lb., Cast Bronze, Screwed, Cross | 274.69 | 80.52 |
| 22 11 16 00-1483 | EA | 2", 125 Lb., Cast Bronze, Screwed, Cross | 399.10 | 85.80 |
| 22 11 16 00-1484 | EA | 2-1/2", 125 Lb., Cast Bronze, Screwed, Cross | 644.86 | 107.26 |
| 22 11 16 00-1485 | EA | 3", 125 Lb., Cast Bronze, Screwed, Cross | 888.66 | 128.70 |
| 22 11 16 00-1486 | EA | 4", 125 Lb., Cast Bronze, Screwed, Cross | 1,634.18 | 171.71 |
| **22 11 16 00-1487** | | **125 Lb. Cast Bronze, Screwed, Caps** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1488 | EA | 1/2" 125 Lb. Cast Bronze, Screwed, Cap | 30.42 | 15.96 |
| 22 11 16 00-1489 | EA | 3/4" 125 Lb. Cast Bronze, Screwed, Cap | 34.45 | 17.57 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-1490 | EA | 1" 125 Lb. Cast Bronze, Screwed, Cap | 45.67 | 20.70 |
| 22 11 16 00-1491 | EA | 1-1/4" 125 Lb. Cast Bronze, Screwed, Cap | 58.97 | 22.31 |
| 22 11 16 00-1492 | EA | 1-1/2" 125 Lb. Cast Bronze, Screwed, Cap | 69.29 | 23.93 |
| 22 11 16 00-1493 | EA | 2" 125 Lb. Cast Bronze, Screwed, Cap | 95.29 | 25.54 |
| 22 11 16 00-1494 | EA | 2-1/2" 125 Lb. Cast Bronze, Screwed, Cap | 152.14 | 31.91 |
| 22 11 16 00-1495 | EA | 3" 125 Lb. Cast Bronze, Screwed, Cap | 218.52 | 38.27 |
| 22 11 16 00-1496 | EA | 4" 125 Lb. Cast Bronze, Screwed, Cap | 383.47 | 50.99 |
| **22 11 16 00-1497** | | **125 Lb. Cast Bronze, Screwed, Couplings** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1498 | EA | 1/2" 125 Lb. Cast Bronze, Screwed, Coupling | 61.54 | 26.84 |
| 22 11 16 00-1499 | EA | 3/4" 125 Lb. Cast Bronze, Screwed, Coupling | 70.05 | 29.53 |
| 22 11 16 00-1500 | EA | 1" 125 Lb. Cast Bronze, Screwed, Coupling | 88.64 | 34.92 |
| 22 11 16 00-1501 | EA | 1-1/4" 125 Lb. Cast Bronze, Screwed, Coupling | 106.59 | 37.51 |
| 22 11 16 00-1502 | EA | 1-1/2" 125 Lb. Cast Bronze, Screwed, Coupling | 121.42 | 40.20 |
| 22 11 16 00-1503 | EA | 2" 125 Lb. Cast Bronze, Screwed, Coupling | 153.52 | 42.90 |
| 22 11 16 00-1504 | EA | 2-1/2" 125 Lb. Cast Bronze, Screwed, Coupling | 217.49 | 53.68 |
| 22 11 16 00-1505 | EA | 3" 125 Lb. Cast Bronze, Screwed, Coupling | 281.47 | 64.36 |
| 22 11 16 00-1506 | EA | 4" 125 Lb. Cast Bronze, Screwed, Coupling | 486.44 | 85.80 |
| **22 11 16 00-1507** | | **125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1508 | EA | 1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer | 54.46 | 21.46 |
| 22 11 16 00-1509 | EA | 3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer | 62.22 | 24.14 |
| 22 11 16 00-1510 | EA | 1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer | 84.48 | 32.23 |
| 22 11 16 00-1511 | EA | 1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer | 101.13 | 34.92 |
| 22 11 16 00-1512 | EA | 1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer | 114.65 | 37.51 |
| 22 11 16 00-1513 | EA | 2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer | 138.97 | 40.20 |
| 22 11 16 00-1514 | EA | 2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer | 202.98 | 50.99 |
| 22 11 16 00-1515 | EA | 3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer | 246.41 | 58.96 |
| 22 11 16 00-1516 | EA | 4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer | 430.12 | 77.82 |
| **22 11 16 00-1517** | | **125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1518 | EA | 3/4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer | 55.76 | 21.46 |
| 22 11 16 00-1519 | EA | 1" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer | 101.29 | 29.53 |
| 22 11 16 00-1520 | EA | 1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer | 133.29 | 32.23 |
| 22 11 16 00-1521 | EA | 1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer | 156.23 | 34.92 |
| 22 11 16 00-1522 | EA | 2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer | 208.78 | 40.20 |
| 22 11 16 00-1523 | EA | 2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer | 322.01 | 50.99 |
| 22 11 16 00-1524 | EA | 3" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer | 389.56 | 53.68 |
| 22 11 16 00-1525 | EA | 4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer | 441.72 | 69.74 |
| **22 11 16 00-1526** | | **125 Lb. Cast Bronze, FIP Threaded, Unions** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1527 | EA | 1/2" 125 Lb. Cast Bronze, FIP Threaded, Union | 68.10 | 21.46 |
| | | *For 150 Lb., Add* | *10.07* | |
| | | *For 250 Lb., Add* | *21.40* | |
| | | *For 300 Lb., Add* | *30.22* | |
| 22 11 16 00-1528 | EA | 3/4" 125 Lb. Cast Bronze, FIP Threaded, Union | 81.83 | 23.61 |
| | | *For 150 Lb., Add* | *13.85* | |
| | | *For 250 Lb., Add* | *29.43* | |
| | | *For 300 Lb., Add* | *41.54* | |
| 22 11 16 00-1529 | EA | 1" 125 Lb. Cast Bronze, FIP Threaded, Union | 101.45 | 27.92 |
| | | *For 150 Lb., Add* | *18.26* | |
| | | *For 250 Lb., Add* | *38.81* | |
| | | *For 300 Lb., Add* | *54.79* | |
| 22 11 16 00-1530 | EA | 1-1/4" 125 Lb. Cast Bronze, FIP Threaded, Union | 126.17 | 30.08 |
| | | *For 150 Lb., Add* | *26.43* | |
| | | *For 250 Lb., Add* | *56.17* | |
| | | *For 300 Lb., Add* | *79.30* | |
| 22 11 16 00-1531 | EA | 1-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union | 143.11 | 32.23 |
| | | *For 150 Lb., Add* | *31.49* | |
| | | *For 250 Lb., Add* | *66.92* | |
| | | *For 300 Lb., Add* | *94.48* | |
| 22 11 16 00-1532 | EA | 2" 125 Lb. Cast Bronze, FIP Threaded, Union | 169.13 | 36.43 |
| | | *For 150 Lb., Add* | *38.47* | |
| | | *For 250 Lb., Add* | *81.74* | |
| | | *For 300 Lb., Add* | *115.40* | |
| 22 11 16 00-1533 | EA | 2-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union | 292.69 | 53.90 |
| | | *For 150 Lb., Add* | *73.96* | |
| | | *For 250 Lb., Add* | *157.17* | |
| | | *For 300 Lb., Add* | *221.88* | |
| 22 11 16 00-1534 | EA | 3" 125 Lb. Cast Bronze, FIP Threaded, Union | 427.42 | 70.87 |
| | | *For 150 Lb., Add* | *114.27* | |
| | | *For 250 Lb., Add* | *242.82* | |
| | | *For 300 Lb., Add* | *342.80* | |
| 22 11 16 00-1535 | EA | 4" 125 Lb. Cast Bronze, FIP Threaded, Union | 787.18 | 78.47 |
| | | *For 150 Lb., Add* | *252.05* | |
| | | *For 250 Lb., Add* | *535.61* | |
| | | *For 300 Lb., Add* | *756.16* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 11 16 00-1536** | | **125 Lb. Cast Bronze, Screwed, Companion Flanges** *(22 11 16 00-1416)*<br>Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set. | | |
| 22 11 16 00-1537 | EA | 1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange | 193.18 | 26.84 |
| 22 11 16 00-1538 | EA | 3/4" 125 Lb. Cast Bronze, Screwed, Companion Flange | 210.34 | 32.23 |
| 22 11 16 00-1539 | EA | 1" 125 Lb. Cast Bronze, Screwed, Companion Flange | 241.06 | 37.51 |
| 22 11 16 00-1540 | EA | 1-1/4" 125 Lb. Cast Bronze, Screwed, Companion Flange | 275.07 | 40.20 |
| 22 11 16 00-1541 | EA | 1-1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange | 326.19 | 42.90 |
| 22 11 16 00-1542 | EA | 2" 125 Lb. Cast Bronze, Screwed, Companion Flange | 411.73 | 45.60 |
| 22 11 16 00-1543 | EA | 2-1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange | 519.38 | 53.68 |
| 22 11 16 00-1544 | EA | 3" 125 Lb. Cast Bronze, Screwed, Companion Flange | 643.49 | 67.05 |
| 22 11 16 00-1545 | EA | 4" 125 Lb. Cast Bronze, Screwed, Companion Flange | 917.47 | 93.89 |
| **22 11 16 00-1546** | | **125 Lb. Cast Bronze, Screwed, Square Head Plugs** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1547 | EA | 1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug | 18.73 | |
| 22 11 16 00-1548 | EA | 3/4" 125 Lb. Cast Bronze, Screwed, Square Head Plug | 19.35 | |
| 22 11 16 00-1549 | EA | 1" 125 Lb. Cast Bronze, Screwed, Square Head Plug | 29.83 | |
| 22 11 16 00-1550 | EA | 1-1/4" 125 Lb. Cast Bronze, Screwed, Square Head Plug | 34.56 | |
| 22 11 16 00-1551 | EA | 1-1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug | 39.44 | |
| 22 11 16 00-1552 | EA | 2" 125 Lb. Cast Bronze, Screwed, Square Head Plug | 59.38 | |
| 22 11 16 00-1553 | EA | 2-1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug | 90.15 | |
| 22 11 16 00-1554 | EA | 3" 125 Lb. Cast Bronze, Screwed, Square Head Plug | 132.34 | |
| 22 11 16 00-1555 | EA | 4" 125 Lb. Cast Bronze, Screwed, Square Head Plug | 224.79 | |
| **22 11 16 00-1556** | | **125 Lb. Cast Bronze, Screwed, Counter Sunk Plugs** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1557 | EA | 1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug | 7.89 | |
| 22 11 16 00-1558 | EA | 3/4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug | 9.44 | |
| 22 11 16 00-1559 | EA | 1" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug | 14.19 | |
| 22 11 16 00-1560 | EA | 1-1/4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug | 22.05 | |
| 22 11 16 00-1561 | EA | 1-1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug | 34.92 | |
| 22 11 16 00-1562 | EA | 2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug | 54.12 | |
| 22 11 16 00-1563 | EA | 2-1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug | 105.33 | |
| 22 11 16 00-1564 | EA | 3" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug | 170.59 | |
| 22 11 16 00-1565 | EA | 4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug | 416.06 | |
| **22 11 16 00-1566** | | **125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1567 | EA | 1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing | 6.28 | |
| 22 11 16 00-1568 | EA | 3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing | 7.89 | |
| 22 11 16 00-1569 | EA | 1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing | 11.04 | |
| 22 11 16 00-1570 | EA | 1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing | 18.90 | |
| 22 11 16 00-1571 | EA | 1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing | 26.78 | |
| 22 11 16 00-1572 | EA | 2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing | 33.09 | |
| 22 11 16 00-1573 | EA | 2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing | 83.43 | |
| 22 11 16 00-1574 | EA | 3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing | 122.81 | |
| 22 11 16 00-1575 | EA | 4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing | 268.99 | |
| **22 11 16 00-1576** | | **125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings** *(22 11 16 00-1416)* | | |
| 22 11 16 00-1577 | EA | 1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing | 11.04 | |
| 22 11 16 00-1578 | EA | 3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing | 15.72 | |
| 22 11 16 00-1579 | EA | 1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing | 27.41 | |
| 22 11 16 00-1580 | EA | 1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing | 37.22 | |
| 22 11 16 00-1581 | EA | 1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing | 46.53 | |
| 22 11 16 00-1582 | EA | 2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing | 58.63 | |
| 22 11 16 00-1583 | EA | 2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing | 119.70 | |
| 22 11 16 00-1584 | EA | 3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing | 189.39 | |
| 22 11 16 00-1585 | EA | 4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing | 397.98 | |
| **22 11 16 00-1586** | | **1/2" Red Brass Pipe Nipples** *(22 11 16 00-1416)*<br>Note: Threaded both ends. | | |
| 22 11 16 00-1587 | EA | 1/2" x Close, Red Brass Pipe Nipple | 10.57 | |
| 22 11 16 00-1588 | EA | 1/2" x 1-1/2" Long, Red Brass Pipe Nipple | 12.37 | |
| 22 11 16 00-1589 | EA | 1/2" x 2" Long, Red Brass Pipe Nipple | 15.15 | |
| 22 11 16 00-1590 | EA | 1/2" x 2-1/2" Long, Red Brass Pipe Nipple | 18.00 | |
| 22 11 16 00-1591 | EA | 1/2" x 3" Long, Red Brass Pipe Nipple | 20.85 | |
| 22 11 16 00-1592 | EA | 1/2" x 3-1/2" Long, Red Brass Pipe Nipple | 24.61 | |
| 22 11 16 00-1593 | EA | 1/2" x 4" Long, Red Brass Pipe Nipple | 27.60 | |
| 22 11 16 00-1594 | EA | 1/2" x 4-1/2" Long, Red Brass Pipe Nipple | 30.31 | |
| 22 11 16 00-1595 | EA | 1/2" x 5" Long, Red Brass Pipe Nipple | 33.16 | |
| 22 11 16 00-1596 | EA | 1/2" x 5-1/2" Long, Red Brass Pipe Nipple | 36.29 | |
| 22 11 16 00-1597 | EA | 1/2" x 6" Long, Red Brass Pipe Nipple | 39.07 | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-1598 | | 3/4" Red Brass Pipe Nipples *(22 11 16 00-1416)* | | |
| | | Note: Threaded both ends. | | |
| 22 11 16 00-1599 | EA | 3/4" x Close, Red Brass Pipe Nipple | 15.43 | |
| 22 11 16 00-1600 | EA | 3/4" x 1-1/2" Long, Red Brass Pipe Nipple | 16.27 | |
| 22 11 16 00-1601 | EA | 3/4" x 2" Long, Red Brass Pipe Nipple | 19.67 | |
| 22 11 16 00-1602 | EA | 3/4" x 2-1/2" Long, Red Brass Pipe Nipple | 23.15 | |
| 22 11 16 00-1603 | EA | 3/4" x 3" Long, Red Brass Pipe Nipple | 26.28 | |
| 22 11 16 00-1604 | EA | 3/4" x 3-1/2" Long, Red Brass Pipe Nipple | 30.17 | |
| 22 11 16 00-1605 | EA | 3/4" x 4" Long, Red Brass Pipe Nipple | 33.92 | |
| 22 11 16 00-1606 | EA | 3/4" x 4-1/2" Long, Red Brass Pipe Nipple | 38.09 | |
| 22 11 16 00-1607 | EA | 3/4" x 5" Long, Red Brass Pipe Nipple | 41.57 | |
| 22 11 16 00-1608 | EA | 3/4" x 5-1/2" Long, Red Brass Pipe Nipple | 47.89 | |
| 22 11 16 00-1609 | EA | 3/4" x 6" Long, Red Brass Pipe Nipple | 50.33 | |
| 22 11 16 00-1610 | | 1" Red Brass Pipe Nipples *(22 11 16 00-1416)* | | |
| | | Note: Threaded both ends. | | |
| 22 11 16 00-1611 | EA | 1" x Close, Red Brass Pipe Nipple | 23.49 | |
| 22 11 16 00-1612 | EA | 1" x 1-1/2" Long, Red Brass Pipe Nipple | 25.85 | |
| 22 11 16 00-1613 | EA | 1" x 2" Long, Red Brass Pipe Nipple | 28.22 | |
| 22 11 16 00-1614 | EA | 1" x 2-1/2" Long, Red Brass Pipe Nipple | 33.57 | |
| 22 11 16 00-1615 | EA | 1" x 3" Long, Red Brass Pipe Nipple | 37.95 | |
| 22 11 16 00-1616 | EA | 1" x 3-1/2" Long, Red Brass Pipe Nipple | 44.70 | |
| 22 11 16 00-1617 | EA | 1" x 4" Long, Red Brass Pipe Nipple | 50.05 | |
| 22 11 16 00-1618 | EA | 1" x 4-1/2" Long, Red Brass Pipe Nipple | 55.33 | |
| 22 11 16 00-1619 | EA | 1" x 5" Long, Red Brass Pipe Nipple | 60.75 | |
| 22 11 16 00-1620 | EA | 1" x 5-1/2" Long, Red Brass Pipe Nipple | 66.45 | |
| 22 11 16 00-1621 | EA | 1" x 6" Long, Red Brass Pipe Nipple | 71.74 | |
| 22 11 16 00-1622 | | 1-1/4" Red Brass Pipe Nipples *(22 11 16 00-1416)* | | |
| | | Note: Threaded both ends. | | |
| 22 11 16 00-1623 | EA | 1-1/4" x Close, Red Brass Pipe Nipple | 34.76 | |
| 22 11 16 00-1624 | EA | 1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple | 37.04 | |
| 22 11 16 00-1625 | EA | 1-1/4" x 2" Long, Red Brass Pipe Nipple | 39.83 | |
| 22 11 16 00-1626 | EA | 1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple | 47.96 | |
| 22 11 16 00-1627 | EA | 1-1/4" x 3" Long, Red Brass Pipe Nipple | 56.03 | |
| 22 11 16 00-1628 | EA | 1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple | 65.76 | |
| 22 11 16 00-1629 | EA | 1-1/4" x 4" Long, Red Brass Pipe Nipple | 73.82 | |
| 22 11 16 00-1630 | EA | 1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple | 81.88 | |
| 22 11 16 00-1631 | EA | 1-1/4" x 5" Long, Red Brass Pipe Nipple | 90.02 | |
| 22 11 16 00-1632 | EA | 1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple | 98.50 | |
| 22 11 16 00-1633 | EA | 1-1/4" x 6" Long, Red Brass Pipe Nipple | 106.56 | |
| 22 11 16 00-1634 | | 1-1/2" Red Brass Pipe Nipples *(22 11 16 00-1416)* | | |
| | | Note: Threaded both ends. | | |
| 22 11 16 00-1635 | EA | 1-1/2" x Close, Red Brass Pipe Nipple | 43.24 | |
| 22 11 16 00-1636 | EA | 1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple | 45.12 | |
| 22 11 16 00-1637 | EA | 1-1/2" x 2" Long, Red Brass Pipe Nipple | 46.99 | |
| 22 11 16 00-1638 | EA | 1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple | 57.14 | |
| 22 11 16 00-1639 | EA | 1-1/2" x 3" Long, Red Brass Pipe Nipple | 64.79 | |
| 22 11 16 00-1640 | EA | 1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple | 76.18 | |
| 22 11 16 00-1641 | EA | 1-1/2" x 4" Long, Red Brass Pipe Nipple | 85.78 | |
| 22 11 16 00-1642 | EA | 1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple | 95.72 | |
| 22 11 16 00-1643 | EA | 1-1/2" x 5" Long, Red Brass Pipe Nipple | 105.31 | |
| 22 11 16 00-1644 | EA | 1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple | 114.69 | |
| 22 11 16 00-1645 | EA | 1-1/2" x 6" Long, Red Brass Pipe Nipple | 124.08 | |
| 22 11 16 00-1646 | | 2" Red Brass Pipe Nipples *(22 11 16 00-1416)* | | |
| | | Note: Threaded both ends. | | |
| 22 11 16 00-1647 | EA | 2" x Close, Red Brass Pipe Nipple | 66.45 | |
| 22 11 16 00-1648 | EA | 2" x 1-1/2" Long, Red Brass Pipe Nipple | 68.78 | |
| 22 11 16 00-1649 | EA | 2" x 2" Long, Red Brass Pipe Nipple | 71.08 | |
| 22 11 16 00-1650 | EA | 2" x 2-1/2" Long, Red Brass Pipe Nipple | 73.40 | |
| 22 11 16 00-1651 | EA | 2" x 3" Long, Red Brass Pipe Nipple | 83.14 | |
| 22 11 16 00-1652 | EA | 2" x 3-1/2" Long, Red Brass Pipe Nipple | 98.01 | |
| 22 11 16 00-1653 | EA | 2" x 4" Long, Red Brass Pipe Nipple | 110.11 | |
| 22 11 16 00-1654 | EA | 2" x 4-1/2" Long, Red Brass Pipe Nipple | 122.20 | |
| 22 11 16 00-1655 | EA | 2" x 5" Long, Red Brass Pipe Nipple | 133.11 | |
| 22 11 16 00-1656 | EA | 2" x 5-1/2" Long, Red Brass Pipe Nipple | 146.81 | |
| 22 11 16 00-1657 | EA | 2" x 6" Long, Red Brass Pipe Nipple | 158.83 | |
| 22 11 16 00-1658 | | Cross-Linked Polyethylene Tubing, ASTM F877 *(22 11 16)* | | |
| | | Note: Aboveground, domestic water usage. | | |
| 22 11 16 00-1659 | | Cross-Linked Polyethylene Tubing *(22 11 16 00-1658)* | | |
| 22 11 16 00-1660 | LF | 3/8" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing | 5.15 | |
| | | *For Work In Restricted Working Space, Add* | *1.01* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-1661 | LF | 1/2" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing | 5.63 | |
| | | *For Work In Restricted Working Space, Add* | *1.10* | |
| 22 11 16 00-1662 | LF | 3/4" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing | 7.56 | |
| | | *For Work In Restricted Working Space, Add* | *1.19* | |
| 22 11 16 00-1663 | LF | 1" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing | 10.37 | |
| | | *For Work In Restricted Working Space, Add* | *1.25* | |

## 22 11 16 00-1664 Cross-Linked Polyethylene Forged Brass PEX Fittings *(22 11 16 00-1658)*

Note: Aboveground, domestic water usage.

## 22 11 16 00-1665 Male Adapters *(22 11 16 00-1664)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1666 | EA | 3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing | 22.02 | |
| | | *For Work In Restricted Working Space, Add* | *5.27* | |
| 22 11 16 00-1667 | EA | 1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing | 23.71 | |
| | | *For Work In Restricted Working Space, Add* | *5.62* | |
| 22 11 16 00-1668 | EA | 1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing | 25.91 | |
| | | *For Work In Restricted Working Space, Add* | *5.97* | |
| 22 11 16 00-1669 | EA | 3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing | 27.09 | |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-1670 | EA | 3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing | 25.91 | |
| | | *For Work In Restricted Working Space, Add* | *5.97* | |
| 22 11 16 00-1671 | EA | 1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing | 34.02 | |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |

## 22 11 16 00-1672 Female Adapters *(22 11 16 00-1664)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1673 | EA | 1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing | 24.23 | |
| | | *For Work In Restricted Working Space, Add* | *5.62* | |
| 22 11 16 00-1674 | EA | 1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing | 27.35 | |
| | | *For Work In Restricted Working Space, Add* | *5.97* | |
| 22 11 16 00-1675 | EA | 3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing | 28.53 | |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-1676 | EA | 3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing | 27.35 | |
| | | *For Work In Restricted Working Space, Add* | *5.97* | |
| 22 11 16 00-1677 | EA | 1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing | 34.67 | |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |

## 22 11 16 00-1678 Tube Adapters *(22 11 16 00-1664)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1679 | EA | 3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing | 19.90 | |
| | | *For Work In Restricted Working Space, Add* | *5.27* | |
| 22 11 16 00-1680 | EA | 1/2" Forged Brass Tube Adapter For PEX Tubing | 21.07 | |
| | | *For Work In Restricted Working Space, Add* | *5.62* | |
| 22 11 16 00-1681 | EA | 3/4" Forged Brass Tube Adapter For PEX Tubing | 25.40 | |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-1682 | EA | 1" Forged Brass Tube Adapter For PEX Tubing | 32.69 | |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |

## 22 11 16 00-1683 Plugs *(22 11 16 00-1664)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1684 | EA | 3/8" Forged Brass Plug For PEX Tubing | 10.02 | |
| | | *For Work In Restricted Working Space, Add* | *2.46* | |
| 22 11 16 00-1685 | EA | 1/2" Forged Brass Plug For PEX Tubing | 11.18 | |
| | | *For Work In Restricted Working Space, Add* | *2.81* | |
| 22 11 16 00-1686 | EA | 3/4" Forged Brass Plug For PEX Tubing | 12.87 | |
| | | *For Work In Restricted Working Space, Add* | *3.16* | |
| 22 11 16 00-1687 | EA | 1" Forged Brass Plug For PEX Tubing | 16.04 | |
| | | *For Work In Restricted Working Space, Add* | *3.51* | |

## 22 11 16 00-1688 Tees *(22 11 16 00-1664)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1689 | EA | 3/8" Forged Brass Tee For PEX Tubing | 28.40 | |
| | | *For Work In Restricted Working Space, Add* | *7.38* | |
| 22 11 16 00-1690 | EA | 1/2" Forged Brass Tee For PEX Tubing | 31.90 | |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 11 16 00-1691 | EA | 3/4" Forged Brass Tee For PEX Tubing | 38.01 | |
| | | *For Work In Restricted Working Space, Add* | *9.48* | |
| 22 11 16 00-1692 | EA | 1" Forged Brass Tee For PEX Tubing | 48.86 | |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 22 11 16 00-1693 | EA | 1/2" Forged Brass Reducing Tee For PEX Tubing | 30.73 | |
| | | *For Work In Restricted Working Space, Add* | *8.08* | |
| 22 11 16 00-1694 | EA | 3/4" Forged Brass Reducing Tee For PEX Tubing | 35.68 | |
| | | *For Work In Restricted Working Space, Add* | *8.78* | |
| 22 11 16 00-1695 | EA | 1" Forged Brass Reducing Tee For PEX Tubing | 44.30 | |
| | | *For Work In Restricted Working Space, Add* | *9.48* | |

## 22 11 16 00-1696 Couplings *(22 11 16 00-1664)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1697 | EA | 3/8" Forged Brass Coupling For PEX Tubing | 18.34 | |
| | | *For Work In Restricted Working Space, Add* | *4.92* | |
| 22 11 16 00-1698 | EA | 1/2" Forged Brass Coupling For PEX Tubing | 20.81 | |
| | | *For Work In Restricted Working Space, Add* | *5.62* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 16 00-1699 | EA | 3/4" Forged Brass Coupling For PEX Tubing | 23.80 | |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-1700 | EA | 1" Forged Brass Coupling For PEX Tubing | 29.17 | |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 22 11 16 00-1701 | EA | 3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing | 22.62 | |
| | | *For Work In Restricted Working Space, Add* | *5.97* | |
| 22 11 16 00-1702 | EA | 1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing | 28.00 | |
| | | *For Work In Restricted Working Space, Add* | *6.67* | |

### 22 11 16 00-1703 Fitting Reducers *(22 11 16 00-1664)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1704 | EA | 3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing | 20.29 | |
| | | *For Work In Restricted Working Space, Add* | *5.27* | |
| 22 11 16 00-1705 | EA | 1/2" Forged Brass Fitting Reducer For PEX Tubing | 21.46 | |
| | | *For Work In Restricted Working Space, Add* | *5.62* | |
| 22 11 16 00-1706 | EA | 3/4" Forged Brass Fitting Reducer For PEX Tubing | 26.18 | |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-1707 | EA | 1" Forged Brass Fitting Reducer For PEX Tubing | 37.15 | |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |

### 22 11 16 00-1708 90 Degree Elbows *(22 11 16 00-1664)*

| | | | | |
|---|---|---|---|---|
| 22 11 16 00-1709 | EA | 3/8" Forged Brass 90 Degree Elbow For PEX Tubing | 19.52 | |
| | | *For Work In Restricted Working Space, Add* | *4.92* | |
| 22 11 16 00-1710 | EA | 1/2" Forged Brass 90 Degree Elbow For PEX Tubing | 21.86 | |
| | | *For Work In Restricted Working Space, Add* | *5.62* | |
| 22 11 16 00-1711 | EA | 3/4" Forged Brass 90 Degree Elbow For PEX Tubing | 26.18 | |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-1712 | EA | 3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing | 25.00 | |
| | | *For Work In Restricted Working Space, Add* | *5.97* | |
| 22 11 16 00-1713 | EA | 1/2" Drop 90 Degree Elbow For PEX Tubing | 29.99 | |
| | | *For Work In Restricted Working Space, Add* | *5.62* | |
| 22 11 16 00-1714 | EA | 3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing | 33.51 | |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 11 16 00-1715 | EA | 3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing | 32.33 | |
| | | *For Work In Restricted Working Space, Add* | *5.97* | |

## 22 11 19 Domestic Water Piping Specialties *(22 11)*

### 22 11 19 00-0001 Rubber Hose And Clamps *(22 11 19)*

### 22 11 19 00-0002 General Purpose Hose *(22 11 19 00-0001)*

Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0003 | LF | 3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp | 7.92 | 2.33 |
| 22 11 19 00-0004 | LF | 1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp | 9.35 | 2.33 |
| 22 11 19 00-0005 | LF | 5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp | 11.50 | 2.33 |
| 22 11 19 00-0006 | LF | 3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp | 11.61 | 2.33 |
| 22 11 19 00-0007 | LF | 1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp | 15.96 | 3.50 |
| 22 11 19 00-0008 | LF | 1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp | 26.67 | 3.50 |
| 22 11 19 00-0009 | LF | 1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp | 28.98 | 4.66 |
| 22 11 19 00-0010 | LF | 2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp | 56.03 | 4.66 |

### 22 11 19 00-0011 Reinfored EPDM Water Hose Assembly *(22 11 19 00-0001)*

Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0012 | LF | 1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement | 74.62 | 4.66 |
| 22 11 19 00-0013 | LF | 2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement | 88.11 | 4.66 |
| 22 11 19 00-0014 | LF | 3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement | 123.90 | 5.72 |
| 22 11 19 00-0015 | LF | 4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement | 174.19 | 7.74 |

### 22 11 19 00-0016 Chemical Resistant Rubber Hoses *(22 11 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0017 | EA | 50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose | 1,293.21 | 288.06 |
| 22 11 19 00-0018 | EA | 50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose | 1,763.04 | 288.06 |

### 22 11 19 00-0019 Water Pump Hose *(22 11 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0020 | EA | 2" Inside Diameter, 20' Rubber Discharge Hose | 628.52 | 71.15 |
| 22 11 19 00-0021 | EA | 2" Inside Diameter, 20' Rubber Intake Hose | 666.13 | 71.15 |

### 22 11 19 00-0022 Barbed Hose x Threaded Male Pipe, Steel Coupling *(22 11 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0023 | EA | 3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling | 29.14 | 9.78 |
| 22 11 19 00-0024 | EA | 1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling | 30.91 | 10.48 |
| 22 11 19 00-0025 | EA | 5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling | 33.09 | 11.18 |
| 22 11 19 00-0026 | EA | 3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling | 37.89 | 12.57 |
| 22 11 19 00-0027 | EA | 1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling | 45.01 | 15.37 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0028 | EA | 1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling | 53.32 | 18.40 |
| 22 11 19 00-0029 | EA | 1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling | 68.69 | 24.21 |
| 22 11 19 00-0030 | EA | 2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling | 86.49 | 30.27 |
| **22 11 19 00-0031** | | **Worm-Drive Hose Clamp** *(22 11 19 00-0001)* | | |
| 22 11 19 00-0032 | EA | 3/8" To 1" Diameter Worm Drive Hose Clamp | 12.66 | 3.50 |
| 22 11 19 00-0033 | EA | 1/2" To 1-1/6" Diameter Worm Drive Hose Clamp | 13.36 | 3.50 |
| 22 11 19 00-0034 | EA | 5/8" To 1-1/2" Diameter Worm Drive Hose Clamp | 14.12 | 3.50 |
| 22 11 19 00-0035 | EA | 3/4" To 2" Diameter Worm Drive Hose Clamp | 15.02 | 3.50 |
| 22 11 19 00-0036 | EA | 1" To 2-1/2" Diameter Worm Drive Hose Clamp | 16.04 | 3.50 |
| 22 11 19 00-0037 | EA | 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp | 17.41 | 4.66 |
| 22 11 19 00-0038 | EA | 1-1/2" To 3" Diameter Worm Drive Hose Clamp | 18.76 | 4.66 |
| **22 11 19 00-0039** | | **Trap Primer And Accessories** *(22 11 19)* | | |
| **22 11 19 00-0040** | | **Trap Primer** *(22 11 19 00-0039)* | | |
| 22 11 19 00-0041 | EA | 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699) | 338.71 | 17.56 |
| 22 11 19 00-0042 | EA | 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500) | 207.23 | 11.71 |
| 22 11 19 00-0043 | EA | 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500) | 200.50 | 11.71 |
| **22 11 19 00-0044** | | **Trap Primer Distribution Unit** *(22 11 19 00-0039)* | | |
| 22 11 19 00-0045 | EA | Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)<br>Note: Can be used for two, three or four drains. | 166.45 | 23.41 |
| 22 11 19 00-0046 | EA | Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)<br>Note: Can be used for two, three or four drains. | 184.58 | 23.41 |
| **22 11 19 00-0047** | | **Trap Primer Manifold** *(22 11 19 00-0039)* | | |
| 22 11 19 00-0048 | EA | Two Outlet Trap Primer Manifold | 270.89 | 31.48 |
| 22 11 19 00-0049 | EA | Four Outlet Trap Primer Manifold | 413.28 | 35.82 |
| 22 11 19 00-0050 | EA | Six Outlet Trap Primer Manifold | 552.95 | 37.93 |
| 22 11 19 00-0051 | EA | Eight Outlet Trap Primer Manifold | 696.56 | 44.48 |
| **22 11 19 00-0052** | | **Sewage Air Release Valves** *(22 11 19)* | | |
| **22 11 19 00-0053** | | **Cast Iron, Sewage Air Release Valves** *(22 11 19 00-0052)*<br>Note: Stainless steel float. | | |
| 22 11 19 00-0054 | EA | 2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400) | 954.81 | 42.75 |
| | | *For Back Flush Attachment, Add* | *650.00* | |
| 22 11 19 00-0055 | EA | 3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400) | 1,172.61 | 71.43 |
| | | *For Back Flush Attachment, Add* | *650.00* | |
| 22 11 19 00-0056 | EA | 4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400) | 1,486.93 | 90.17 |
| | | *For Back Flush Attachment, Add* | *650.00* | |
| **22 11 19 00-0057** | | **Cast Iron, Sewage Air Vacuum Valves** *(22 11 19 00-0052)*<br>Note: Stainless steel float. | | |
| 22 11 19 00-0058 | EA | 2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401) | 975.51 | 42.75 |
| | | *For Back Flush Attachment, Add* | *650.00* | |
| 22 11 19 00-0059 | EA | 2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402) | 1,912.11 | 42.75 |
| | | *For Back Flush Attachment, Add* | *650.00* | |
| 22 11 19 00-0060 | EA | 3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403) | 2,295.49 | 71.43 |
| | | *For Back Flush Attachment, Add* | *650.00* | |
| 22 11 19 00-0061 | EA | 4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404) | 3,398.94 | 90.17 |
| **22 11 19 00-0062** | | **Cast Iron, Sewage Combination Air Valves** *(22 11 19 00-0052)*<br>Note: Stainless steel float. | | |
| 22 11 19 00-0063 | EA | 2" x 1" NPT, Sewage Combination Air Valve (Apco 443) | 2,082.88 | 42.75 |
| 22 11 19 00-0064 | EA | 2" x 2" NPT, Sewage Combination Air Valve (Apco 445) | 2,872.00 | 42.75 |
| 22 11 19 00-0065 | EA | 3" x 3" NPT, Sewage Combination Air Valve (Apco 447) | 3,361.46 | 71.43 |
| 22 11 19 00-0066 | EA | 4" x 4" NPT, Sewage Combination Air Valve (Apco 449) | 4,110.45 | 90.17 |
| **22 11 19 00-0067** | | **Brass, Anti Siphon Vacuum Breakers** *(22 11 19)*<br>Note: Watts 288A | | |
| 22 11 19 00-0068 | EA | 1/2" Brass, Anti Siphon Vacuum Breaker | 115.93 | 29.27 |
| 22 11 19 00-0069 | EA | 3/4" Brass, Anti Siphon Vacuum Breaker | 133.56 | 32.77 |
| 22 11 19 00-0070 | EA | 1" Brass, Anti Siphon Vacuum Breaker | 283.49 | 37.45 |
| 22 11 19 00-0071 | EA | 1-1/4" Brass, Anti Siphon Vacuum Breaker | 456.32 | 43.31 |
| 22 11 19 00-0072 | EA | 1-1/2" Brass, Anti Siphon Vacuum Breaker | 545.42 | 47.99 |
| 22 11 19 00-0073 | EA | 2" Brass, Anti Siphon Vacuum Breaker | 802.46 | 58.53 |
| 22 11 19 00-0074 | EA | 2-1/2" Brass, Anti Siphon Vacuum Breaker | 2,130.67 | 73.16 |
| **22 11 19 00-0075** | | **Anti Siphon Pressure Vacuum Breakers** *(22 11 19)*<br>Note: Watts 800M4QT | | |
| 22 11 19 00-0076 | EA | 1/2" Anti Siphon Pressure Type Vacuum Breaker | 359.06 | 29.27 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0077 | EA | 3/4" Anti Siphon Pressure Type Vacuum Breaker | 311.62 | 32.77 |
| 22 11 19 00-0078 | EA | 1" Anti Siphon Pressure Type Vacuum Breaker | 448.86 | 37.45 |
| 22 11 19 00-0079 | EA | 1-1/4" Anti Siphon Pressure Type Vacuum Breaker | 820.14 | 43.31 |
| 22 11 19 00-0080 | EA | 1-1/2" Anti Siphon Pressure Type Vacuum Breaker | 999.45 | 47.99 |
| 22 11 19 00-0081 | EA | 2" Anti Siphon Pressure Type Vacuum Breaker | 1,005.84 | 58.53 |
| 22 11 19 00-0082 | | Bellows Type Water Hammer Arrestors *(22 11 19)* | | |
| 22 11 19 00-0083 | EA | Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005) | 216.84 | 14.00 |
| 22 11 19 00-0084 | EA | >11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010) | 418.81 | 16.93 |
| 22 11 19 00-0085 | EA | >32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020) | 608.69 | 16.93 |
| 22 11 19 00-0086 | EA | >60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030) | 1,475.50 | 16.93 |
| 22 11 19 00-0087 | EA | >113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040) | 1,656.34 | 16.93 |
| 22 11 19 00-0088 | EA | >154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050) | 2,028.16 | 16.93 |
| 22 11 19 00-0089 | | Piston Type Water Hammer Arrestors *(22 11 19)* | | |
| 22 11 19 00-0090 | | Threaded Piston Type Water Hammer Arrestors *(22 11 19 00-0089)* | | |
| 22 11 19 00-0091 | EA | Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A) | 201.50 | 7.80 |
| 22 11 19 00-0092 | EA | >11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B) | 389.78 | 9.00 |
| 22 11 19 00-0093 | EA | >32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C) | 580.94 | 9.76 |
| 22 11 19 00-0094 | EA | >60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D) | 1,434.41 | 12.59 |
| 22 11 19 00-0095 | EA | >113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E) | 1,746.91 | 15.61 |
| 22 11 19 00-0096 | EA | >154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F) | 1,988.24 | 16.93 |
| 22 11 19 00-0097 | | Escutcheons *(22 11 19)* | | |
| 22 11 19 00-0098 | | Brass Escutcheons *(22 11 19 00-0097)* | | |
| 22 11 19 00-0099 | | Shallow Brass Escutcheons *(22 11 19 00-0098)* | | |
| 22 11 19 00-0100 | EA | 3/8" IPS, Antique Or Polished Brass Shallow Escutcheon | 13.39 | 2.93 |
| 22 11 19 00-0101 | EA | 1/2" IPS, Antique Or Polished Brass Shallow Escutcheon | 14.44 | 2.93 |
| 22 11 19 00-0102 | | Deep Bell Brass Escutcheons *(22 11 19 00-0098)* | | |
| 22 11 19 00-0103 | EA | 3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon | 15.81 | 3.28 |
| 22 11 19 00-0104 | EA | 1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon | 15.85 | 3.28 |
| 22 11 19 00-0105 | | Chrome Plated Brass Escutcheons With Setscrew *(22 11 19 00-0098)* | | |
| 22 11 19 00-0106 | EA | 3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew | 23.01 | 2.93 |
| 22 11 19 00-0107 | EA | 1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew | 23.25 | 2.93 |
| 22 11 19 00-0108 | EA | 5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew | 23.62 | 2.93 |
| 22 11 19 00-0109 | EA | 3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew | 24.93 | 2.93 |
| 22 11 19 00-0110 | EA | 7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew | 25.31 | 3.51 |
| 22 11 19 00-0111 | EA | 1" IPS, Chrome Plated Brass Escutcheon With Setscrew | 26.60 | 3.51 |
| 22 11 19 00-0112 | EA | 1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew | 27.54 | 3.87 |
| 22 11 19 00-0113 | EA | 1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew | 28.79 | 4.10 |
| 22 11 19 00-0114 | EA | 2" IPS, Chrome Plated Brass Escutcheon With Setscrew | 41.44 | 4.68 |
| 22 11 19 00-0115 | | Plastic Escutcheons *(22 11 19 00-0097)* | | |
| 22 11 19 00-0116 | | Split-Ring White Plastic Escutcheons *(22 11 19 00-0115)* | | |
| 22 11 19 00-0117 | EA | 3/8" IPS, Split-Ring White Plastic Escutcheon | 7.33 | 2.91 |
| 22 11 19 00-0118 | EA | 1/2" IPS, Split-Ring White Plastic Escutcheon | 7.33 | 2.91 |
| 22 11 19 00-0119 | EA | 3/4" IPS, Split-Ring White Plastic Escutcheon | 8.62 | 3.26 |
| 22 11 19 00-0120 | EA | 1" IPS, Split-Ring White Plastic Escutcheon | 9.33 | 3.50 |
| 22 11 19 00-0121 | EA | 1-1/4" IPS, Split-Ring White Plastic Escutcheon | 10.04 | 3.85 |
| 22 11 19 00-0122 | EA | 1-1/2" IPS, Split-Ring White Plastic Escutcheon | 10.72 | 4.08 |
| 22 11 19 00-0123 | EA | 2" IPS, Split-Ring White Plastic Escutcheon | 12.04 | 4.66 |
| 22 11 19 00-0124 | EA | 2-1/2" IPS, Split-Ring White Plastic Escutcheon | 15.77 | 5.01 |
| 22 11 19 00-0125 | EA | 3" IPS, Split-Ring White Plastic Escutcheon | 19.51 | 5.24 |
| 22 11 19 00-0126 | EA | 4" IPS, Split-Ring White Plastic Escutcheon | 23.82 | 5.83 |
| 22 11 19 00-0127 | | Chrome Plate Plastic Escutcheons *(22 11 19 00-0115)* | | |
| 22 11 19 00-0128 | EA | 1/2" IPS, Chrome Plate Plastic Escutcheon | 9.91 | 2.91 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0129 | EA | 3/4" IPS, Chrome Plate Plastic Escutcheon | 10.82 | 3.26 |
| 22 11 19 00-0130 | EA | 1" IPS, Chrome Plate Plastic Escutcheon | 12.17 | 3.50 |
| 22 11 19 00-0131 | EA | 1-1/4" IPS, Chrome Plate Plastic Escutcheon | 13.53 | 3.85 |
| 22 11 19 00-0132 | EA | 1-1/2" IPS, Chrome Plate Plastic Escutcheon | 14.23 | 4.08 |
| 22 11 19 00-0133 | EA | 2" IPS, Chrome Plate Plastic Escutcheon | 18.02 | 4.66 |
| 22 11 19 00-0134 | EA | 2-1/2" IPS, Chrome Plate Plastic Escutcheon | 26.54 | 5.01 |
| 22 11 19 00-0135 | EA | 3" IPS, Chrome Plate Plastic Escutcheon | 27.46 | 5.24 |
| 22 11 19 00-0136 | EA | 4" IPS, Chrome Plate Plastic Escutcheon | 29.28 | 5.83 |
| 22 11 19 00-0137 | | Stainless Steel Escutcheons *(22 11 19 00-0097)* | | |
| 22 11 19 00-0138 | | Shallow Stainless Steel Escutcheons *(22 11 19 00-0137)* | | |
| 22 11 19 00-0139 | EA | 3/8" IPS, Shallow Stainless Steel Escutcheon | 18.96 | 2.93 |
| 22 11 19 00-0140 | EA | 1/2" IPS, Shallow Stainless Steel Escutcheon | 18.96 | 2.93 |
| 22 11 19 00-0141 | EA | 3/4" IPS, Shallow Stainless Steel Escutcheon | 27.18 | 3.28 |
| 22 11 19 00-0142 | | Chrome Plated Steel Escutcheons *(22 11 19 00-0097)* | | |
| 22 11 19 00-0143 | | Split-Ring Chrome Plated Steel Escutcheons *(22 11 19 00-0142)* | | |
| 22 11 19 00-0144 | EA | 1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon | 6.58 | 2.91 |
| 22 11 19 00-0145 | EA | 3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon | 7.16 | 3.26 |
| 22 11 19 00-0146 | EA | 1" IPS, Split-Ring Chrome Plated Steel Escutcheon | 7.89 | 3.50 |
| 22 11 19 00-0147 | EA | 1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon | 8.47 | 3.85 |
| 22 11 19 00-0148 | EA | 1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon | 9.06 | 4.08 |
| 22 11 19 00-0149 | EA | 2" IPS, Split-Ring Chrome Plated Steel Escutcheon | 10.42 | 4.66 |
| 22 11 19 00-0150 | EA | 2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon | 16.04 | 5.01 |
| 22 11 19 00-0151 | EA | 3" IPS, Split-Ring Chrome Plated Steel Escutcheon | 17.05 | 5.24 |
| 22 11 19 00-0152 | EA | 3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon | 21.14 | 5.58 |
| 22 11 19 00-0153 | EA | 4" IPS, Split-Ring Chrome Plated Steel Escutcheon | 18.57 | 5.83 |
| 22 11 19 00-0154 | EA | 5" IPS, Split-Ring Chrome Plated Steel Escutcheon | 24.13 | 6.41 |
| 22 11 19 00-0155 | EA | 6" IPS, Split-Ring Chrome Plated Steel Escutcheon | 28.22 | 6.99 |
| 22 11 19 00-0156 | | Split-Ring/Springs Chrome Plated Steel Escutcheons *(22 11 19 00-0142)* | | |
| 22 11 19 00-0157 | EA | 3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 10.80 | 2.91 |
| 22 11 19 00-0158 | EA | 1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 10.80 | 2.91 |
| 22 11 19 00-0159 | EA | 3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 11.54 | 3.26 |
| 22 11 19 00-0160 | EA | 1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 12.47 | 3.50 |
| 22 11 19 00-0161 | EA | 1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 13.80 | 3.85 |
| 22 11 19 00-0162 | EA | 1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 14.60 | 4.08 |
| 22 11 19 00-0163 | EA | 2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 17.32 | 4.66 |
| 22 11 19 00-0164 | EA | 2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 19.99 | 5.01 |
| 22 11 19 00-0165 | EA | 3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 24.56 | 5.24 |
| 22 11 19 00-0166 | EA | 3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 30.32 | 5.58 |
| 22 11 19 00-0167 | EA | 4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 30.74 | 5.83 |
| 22 11 19 00-0168 | EA | 5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 51.28 | 6.41 |
| 22 11 19 00-0169 | EA | 6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon | 53.49 | 6.99 |
| 22 11 19 00-0170 | | Deep Bell Chrome Plated Steel Escutcheons *(22 11 19 00-0142)* | | |
| 22 11 19 00-0171 | EA | 3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon | 8.09 | 3.28 |
| 22 11 19 00-0172 | EA | 1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon | 7.97 | 3.28 |
| 22 11 19 00-0173 | EA | 3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon | 7.71 | 3.28 |
| 22 11 19 00-0174 | EA | 1" IPS, Deep Bell Chrome Plated Steel Escutcheon | 8.60 | 3.51 |
| 22 11 19 00-0175 | EA | 1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon | 9.34 | 3.87 |
| 22 11 19 00-0176 | EA | 1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon | 10.29 | 4.10 |
| 22 11 19 00-0177 | | Shallow Chrome Plated Steel Escutcheons *(22 11 19 00-0142)* | | |
| 22 11 19 00-0178 | EA | 3/8" IPS, Shallow Chrome Plated Steel Escutcheon | 7.22 | 2.93 |
| 22 11 19 00-0179 | EA | 1/2" IPS, Shallow Chrome Plated Steel Escutcheon | 7.22 | 2.93 |
| 22 11 19 00-0180 | EA | 3/4" IPS, Shallow Chrome Plated Steel Escutcheon | 7.34 | 2.93 |
| 22 11 19 00-0181 | EA | 1" IPS, Shallow Chrome Plated Steel Escutcheon | 7.86 | 3.51 |
| 22 11 19 00-0182 | EA | 1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon | 8.50 | 3.87 |
| 22 11 19 00-0183 | EA | 1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon | 9.44 | 4.10 |
| 22 11 19 00-0184 | EA | 2" IPS, Shallow Chrome Plated Steel Escutcheon | 10.69 | 4.68 |
| 22 11 19 00-0185 | | Keyed, Recessed Valve Boxes *(22 11 19)* | | |
| 22 11 19 00-0186 | EA | 8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box | 316.52 | 34.93 |
| 22 11 19 00-0187 | EA | 8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box | 351.76 | 34.93 |
| 22 11 19 00-0188 | EA | 8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box | 404.62 | 34.93 |
| 22 11 19 00-0189 | EA | 12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box | 392.67 | 46.57 |
| 22 11 19 00-0190 | EA | 12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box | 445.53 | 46.57 |
| 22 11 19 00-0191 | EA | 12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box | 461.39 | 46.57 |
| 22 11 19 00-0192 | EA | 8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box | 372.91 | 34.93 |
| 22 11 19 00-0193 | EA | 8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box | 450.43 | 34.93 |
| 22 11 19 00-0194 | EA | 8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box | 519.15 | 34.93 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0195 | EA | 12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box | 491.34 | 46.57 |
| 22 11 19 00-0196 | EA | 12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box | 560.06 | 46.57 |
| 22 11 19 00-0197 | EA | 12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box | 586.49 | 46.57 |
| 22 11 19 00-0198 | | **Wall Hydrants** *(22 11 19)* | | |
| | | Note: Female inlet connection, 3/4" hose thread outlet. | | |
| 22 11 19 00-0199 | | **Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0198)* | | |
| | | Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp. | | |
| 22 11 19 00-0200 | EA | 6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant | 1,203.20 | 29.27 |
| | | *For Cast Bronze Box, Add* | *64.08* | |
| | | *For 1" NPT Outlet, Add* | *151.04* | |
| 22 11 19 00-0201 | EA | 12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant | 1,260.46 | 35.12 |
| | | *For Cast Bronze Box, Add* | *64.08* | |
| | | *For 1" NPT Outlet, Add* | *151.04* | |
| 22 11 19 00-0202 | EA | 18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant | 1,284.44 | 42.26 |
| | | *For Cast Bronze Box, Add* | *64.08* | |
| | | *For 1" NPT Outlet, Add* | *151.04* | |
| 22 11 19 00-0203 | | **Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0198)* | | |
| | | Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp. | | |
| 22 11 19 00-0204 | EA | Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant | 1,158.76 | 49.16 |
| | | *For Cast Bronze Box, Add* | *64.08* | |
| | | *For 1" NPT Outlet, Add* | *151.04* | |
| 22 11 19 00-0205 | | **Cast Bronze Non-Freezing Wall Hydrant** *(22 11 19 00-0198)* | | |
| | | Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp. | | |
| 22 11 19 00-0206 | EA | 3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant | 603.35 | 36.29 |
| | | *For 1" NPT Outlet, Add* | *151.04* | |
| 22 11 19 00-0207 | EA | 4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant | 765.61 | 36.29 |
| | | *For 1" NPT Outlet, Add* | *151.04* | |
| 22 11 19 00-0208 | EA | 6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant | 765.61 | 36.29 |
| | | *For 1" NPT Outlet, Add* | *151.04* | |
| 22 11 19 00-0209 | EA | 8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant | 765.61 | 36.29 |
| | | *For 1" NPT Outlet, Add* | *151.04* | |
| 22 11 19 00-0210 | EA | 10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant | 803.37 | 73.16 |
| | | *For 1" NPT Outlet, Add* | *151.04* | |
| 22 11 19 00-0211 | EA | 12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant | 803.37 | 73.16 |
| | | *For 1" NPT Outlet, Add* | *151.04* | |
| 22 11 19 00-0212 | EA | 18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant | 916.33 | 73.16 |
| | | *For 1" NPT Outlet, Add* | *151.04* | |
| 22 11 19 00-0213 | | **Stainless Steel Box Type Wall Hydrants** *(22 11 19 00-0198)* | | |
| | | Note: With 3/4" NPT female and 3/4" NPT male inlet connection. | | |
| 22 11 19 00-0214 | EA | Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140) | 573.58 | 29.27 |
| 22 11 19 00-0215 | EA | Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141) | 630.19 | 29.27 |
| 22 11 19 00-0216 | EA | Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150) | 637.91 | 29.27 |
| 22 11 19 00-0217 | EA | Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151) | 722.82 | 29.27 |
| 22 11 19 00-0218 | EA | Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) | 1,027.93 | 40.97 |
| | | Note: Includes hot and cold hose connections. | | |
| 22 11 19 00-0219 | EA | Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) | 1,061.39 | 40.97 |
| | | Note: Includes hot and cold hose connections. | | |
| 22 11 19 00-0220 | EA | Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) | 1,061.39 | 40.97 |
| | | Note: Includes hot and cold hose connections. | | |
| 22 11 19 00-0221 | EA | Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) | 1,141.15 | 40.97 |
| | | Note: Includes hot and cold hose connections. | | |
| 22 11 19 00-0222 | | **Washer Boxes And Dryer Outlets** *(22 11 19)* | | |
| 22 11 19 00-0223 | | **Dryer Vent Kit** *(22 11 19 00-0222)* | | |
| | | Note: Includes 4" flexible tubing plastic hood clamps and tailpipe. | | |
| 22 11 19 00-0224 | EA | Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps | 82.67 | 15.21 |
| 22 11 19 00-0225 | | **Washer Boxes And Dryer Vents** *(22 11 19 00-0222)* | | |
| | | Note: Includes 1/2" supply valves and mounting brackets. | | |
| 22 11 19 00-0226 | EA | 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves | 289.71 | 23.41 |
| 22 11 19 00-0227 | | **Ice Maker Outlet Box** *(22 11 19)* | | |
| | | Note: Includes one 1/2" quarter turn ball valve and connections wall mount. | | |
| 22 11 19 00-0228 | EA | Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount | 155.31 | 23.41 |
| 22 11 19 00-0229 | EA | Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount | 158.35 | 23.41 |
| 22 11 19 00-0230 | EA | Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount | 237.56 | 23.41 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0231 | | **Tempering Controllers For Potable Hot Water** *(22 11 19)* | | |
| 22 11 19 00-0232 | | **Point-Of-Use Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0231)*<br>Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. | | |
| 22 11 19 00-0233 | EA | 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007) | 589.75 | 28.34 |
| 22 11 19 00-0234 | EA | 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004) | 143.33 | 28.34 |
| 22 11 19 00-0235 | EA | 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008) | 330.59 | 28.34 |
| 22 11 19 00-0236 | EA | 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016) | 377.11 | 38.17 |
| 22 11 19 00-0237 | | **Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0231)*<br>Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers. | | |
| 22 11 19 00-0238 | EA | 3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025) | 1,616.97 | 40.87 |
| 22 11 19 00-0239 | EA | 3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045) | 1,813.04 | 50.34 |
| 22 11 19 00-0240 | EA | 1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080) | 2,180.48 | 58.55 |
| 22 11 19 00-0241 | EA | 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130) | 2,832.69 | 61.54 |
| 22 11 19 00-0242 | EA | 2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200) | 3,804.22 | 79.84 |
| 22 11 19 00-0243 | | **High Low Temperature Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0231)*<br>Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers. | | |
| 22 11 19 00-0244 | EA | 3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045) | 4,139.79 | 62.94 |
| 22 11 19 00-0245 | EA | 1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080) | 5,391.89 | 73.18 |
| 22 11 19 00-0246 | EA | 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130) | 6,291.89 | 76.92 |
| 22 11 19 00-0247 | EA | 2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200) | 6,964.24 | 99.80 |
| 22 11 19 00-0248 | | **Thermostatic Mixing Valves (Leonard)** *(22 11 19 00-0231)*<br>Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection | | |
| 22 11 19 00-0249 | EA | 3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)<br>Note: For hot water or two pipe low pressure steam. | 1,169.48 | 40.87 |
| 22 11 19 00-0250 | EA | 1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF)<br>Note: For hot water or two pipe low pressure steam. | 1,375.96 | 50.33 |
| 22 11 19 00-0251 | EA | 1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)<br>Note: For hot water or two pipe low pressure steam. | 1,692.45 | 58.55 |
| 22 11 19 00-0252 | EA | 1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)<br>Note: For hot water or two pipe low pressure steam. | 2,073.51 | 61.56 |
| 22 11 19 00-0253 | EA | 2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)<br>Note: For hot water or two pipe low pressure steam. | 3,085.34 | 79.84 |
| 22 11 19 00-0254 | | **Water Mixing/Self Operating Temperature Regulator** *(22 11 19 00-0231)*<br>Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube. | | |
| 22 11 19 00-0255 | EA | 3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) | 3,400.89 | 58.53 |
| 22 11 19 00-0256 | EA | 1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) | 3,598.12 | 73.75 |
| 22 11 19 00-0257 | EA | 1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) | 3,959.24 | 88.96 |
| 22 11 19 00-0258 | EA | 1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) | 4,354.96 | 104.17 |
| 22 11 19 00-0259 | EA | 2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) | 5,185.44 | 136.96 |
| 22 11 19 00-0260 | EA | 2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) | 6,131.90 | 156.19 |
| 22 11 19 00-0261 | | **Thermostatic Mixing Valves (Holby)** *(22 11 19 00-0231)* | | |
| 22 11 19 00-0262 | EA | 2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500) | 5,519.64 | 79.86 |
| 22 11 19 00-0263 | | **Backflow Preventer Valves** *(22 11 19)* | | |
| 22 11 19 00-0264 | | **Double Check Valve Backflow Preventer Assemblies** *(22 11 19 00-0263)* | | |
| 22 11 19 00-0265 | | **Threaded Double Check Valve Assemblies** *(22 11 19 00-0264)* | | |
| 22 11 19 00-0266 | | **Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0265)*<br>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series). | | |
| 22 11 19 00-0267 | EA | 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series) | 493.52 | 31.37 |
| | | *For Work In Restricted Working Space, Add* | *23.53* | |
| | | *For Owner Furnished Material, Deduct* | *-415.09* | |
| 22 11 19 00-0268 | EA | 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) | 579.80 | 44.48 |
| | | *For Work In Restricted Working Space, Add* | *33.36* | |
| | | *For Owner Furnished Material, Deduct* | *-468.60* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0269 | EA | 1"Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) | 667.46 | 54.32 |
| | | *For Work In Restricted Working Space, Add* | *40.74* | |
| | | *For Owner Furnished Material, Deduct* | *-531.67* | |
| 22 11 19 00-0270 | EA | 1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) | 939.13 | 63.21 |
| | | *For Work In Restricted Working Space, Add* | *47.41* | |
| | | *For Owner Furnished Material, Deduct* | *-781.10* | |
| 22 11 19 00-0271 | EA | 1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) | 1,165.19 | 72.57 |
| | | *For Work In Restricted Working Space, Add* | *54.08* | |
| | | *For Owner Furnished Material, Deduct* | *-984.92* | |
| 22 11 19 00-0272 | EA | 2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) | 1,338.33 | 93.64 |
| | | *For Work In Restricted Working Space, Add* | *70.23* | |
| | | *For Owner Furnished Material, Deduct* | *-1,104.22* | |

## 22 11 19 00-0273 Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer

*(22 11 19 00-0265)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0274 | EA | 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) | 612.30 | 31.37 |
| | | *For Work In Restricted Working Space, Add* | *23.53* | |
| | | *For Owner Furnished Material, Deduct* | *-533.87* | |
| 22 11 19 00-0275 | EA | 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) | 753.76 | 44.48 |
| | | *For Work In Restricted Working Space, Add* | *33.36* | |
| | | *For Owner Furnished Material, Deduct* | *-642.56* | |
| 22 11 19 00-0276 | EA | 1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) | 880.73 | 54.32 |
| | | *For Work In Restricted Working Space, Add* | *40.74* | |
| | | *For Owner Furnished Material, Deduct* | *-744.94* | |
| 22 11 19 00-0277 | EA | 1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) | 1,243.01 | 63.21 |
| | | *For Work In Restricted Working Space, Add* | *47.41* | |
| | | *For Owner Furnished Material, Deduct* | *-1,084.98* | |
| 22 11 19 00-0278 | EA | 1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) | 1,523.10 | 72.57 |
| | | *For Work In Restricted Working Space, Add* | *54.08* | |
| | | *For Owner Furnished Material, Deduct* | *-1,342.83* | |
| 22 11 19 00-0279 | EA | 2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) | 1,832.47 | 93.64 |
| | | *For Work In Restricted Working Space, Add* | *70.23* | |
| | | *For Owner Furnished Material, Deduct* | *-1,598.36* | |

## 22 11 19 00-0280 Flanged Double Check Valve Assemblies *(22 11 19 00-0264)*

## 22 11 19 00-0281 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0282 | EA | 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) | 6,769.51 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.48* | |
| | | *For Owner Furnished Material, Deduct* | *-6,424.58* | |
| 22 11 19 00-0283 | EA | 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) | 7,437.52 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-7,054.86* | |

## 22 11 19 00-0284 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0285 | EA | 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY) | 7,422.53 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.48* | |
| | | *For Owner Furnished Material, Deduct* | *-7,077.60* | |
| 22 11 19 00-0286 | EA | 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY) | 8,525.88 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-8,143.22* | |

## 22 11 19 00-0287 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0288 | EA | 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) | 6,816.60 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-6,471.69* | |
| 22 11 19 00-0289 | EA | 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) | 5,180.15 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-4,797.48* | |
| 22 11 19 00-0290 | EA | 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) | 8,113.51 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.37* | |
| | | *For Owner Furnished Material, Deduct* | *-7,538.93* | |
| 22 11 19 00-0291 | EA | 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) | 12,323.33 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-11,141.06* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0292 | EA | 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) | 28,267.66 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.11* | |
| | | *For Owner Furnished Material, Deduct* | *-26,493.97* | |
| 22 11 19 00-0293 | EA | 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) | 36,327.58 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |
| | | *For Owner Furnished Material, Deduct* | *-34,216.38* | |

### 22 11 19 00-0294 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0295 | EA | 4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series) | 9,492.60 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| | | *For Owner Furnished Material, Deduct* | *-8,918.07* | |
| 22 11 19 00-0296 | EA | 6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series) | 15,789.05 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-14,606.78* | |
| 22 11 19 00-0297 | EA | 10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series) | 42,240.11 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |
| | | *For Owner Furnished Material, Deduct* | *-40,128.91* | |

### 22 11 19 00-0298 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0299 | EA | 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) | 7,243.82 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-6,898.91* | |
| 22 11 19 00-0300 | EA | 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) | 7,958.95 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-7,576.29* | |
| 22 11 19 00-0301 | EA | 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) | 8,613.78 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| | | *For Owner Furnished Material, Deduct* | *-8,039.25* | |
| 22 11 19 00-0302 | EA | 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) | 14,450.53 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-13,268.26* | |
| 22 11 19 00-0303 | EA | 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) | 30,033.98 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| | | *For Owner Furnished Material, Deduct* | *-28,260.57* | |
| 22 11 19 00-0304 | EA | 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) | 38,607.01 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |
| | | *For Owner Furnished Material, Deduct* | *-36,495.81* | |

### 22 11 19 00-0305 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0306 | EA | 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) | 4,292.41 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-3,947.50* | |
| 22 11 19 00-0307 | EA | 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) | 4,725.14 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-4,342.48* | |
| 22 11 19 00-0308 | EA | 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) | 5,311.99 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| | | *For Owner Furnished Material, Deduct* | *-4,737.46* | |
| 22 11 19 00-0309 | EA | 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) | 8,589.95 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-7,407.68* | |
| 22 11 19 00-0310 | EA | 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) | 16,419.02 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| | | *For Owner Furnished Material, Deduct* | *-14,645.61* | |
| 22 11 19 00-0311 | EA | 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) | 17,783.04 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |
| | | *For Owner Furnished Material, Deduct* | *-15,671.84* | |

### 22 11 19 00-0312 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0313 | EA | 2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) | 5,693.07 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-5,348.16* | |
| 22 11 19 00-0314 | EA | 3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) | 6,125.80 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-5,743.14* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0315 | EA | 4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series) | 7,652.53 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| | | *For Owner Furnished Material, Deduct* | *-7,078.00* | |
| 22 11 19 00-0316 | EA | 6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) | 12,508.13 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-11,325.86* | |
| 22 11 19 00-0317 | EA | 8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) | 22,226.16 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| | | *For Owner Furnished Material, Deduct* | *-20,452.75* | |
| 22 11 19 00-0318 | EA | 10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) | 26,448.75 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |
| | | *For Owner Furnished Material, Deduct* | *-24,337.55* | |

## 22 11 19 00-0319 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0320 | EA | 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) | 4,013.83 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-3,668.92* | |
| 22 11 19 00-0321 | EA | 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) | 4,459.22 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-4,076.56* | |
| 22 11 19 00-0322 | EA | 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) | 5,058.58 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| | | *For Owner Furnished Material, Deduct* | *-4,484.05* | |
| 22 11 19 00-0323 | EA | 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) | 8,390.88 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-7,208.61* | |
| 22 11 19 00-0324 | EA | 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) | 16,227.17 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| | | *For Owner Furnished Material, Deduct* | *-14,453.76* | |
| 22 11 19 00-0325 | EA | 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) | 18,318.69 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |
| | | *For Owner Furnished Material, Deduct* | *-16,207.49* | |

## 22 11 19 00-0326 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0327 | EA | 2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) | 5,297.04 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-4,952.13* | |
| 22 11 19 00-0328 | EA | 3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) | 5,729.76 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-5,347.10* | |
| 22 11 19 00-0329 | EA | 4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) | 7,256.99 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| | | *For Owner Furnished Material, Deduct* | *-6,682.46* | |
| 22 11 19 00-0330 | EA | 6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) | 12,086.84 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-10,904.57* | |
| 22 11 19 00-0331 | EA | 8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) | 21,588.49 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| | | *For Owner Furnished Material, Deduct* | *-19,815.08* | |
| 22 11 19 00-0332 | EA | 10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) | 25,809.21 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |
| | | *For Owner Furnished Material, Deduct* | *-23,698.01* | |

## 22 11 19 00-0333 Double Check Valve Assemblies With Butterfly Shut-Off Valves *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0334 | EA | 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) | 4,672.69 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-4,327.78* | |
| 22 11 19 00-0335 | EA | 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) | 5,105.42 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-4,722.76* | |
| 22 11 19 00-0336 | EA | 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) | 5,692.27 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| | | *For Owner Furnished Material, Deduct* | *-5,117.74* | |
| 22 11 19 00-0337 | EA | 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) | 8,979.81 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-7,797.54* | |
| 22 11 19 00-0338 | EA | 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) | 16,808.88 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| | | *For Owner Furnished Material, Deduct* | *-15,035.47* | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0339 | | **N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs** *(22 11 19 00-0280)*<br>Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series). | | |
| 22 11 19 00-0340 | EA | 2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series) | 6,073.35 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-5,728.44* | |
| 22 11 19 00-0341 | EA | 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) | 6,506.07 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-6,123.41* | |
| 22 11 19 00-0342 | EA | 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) | 8,032.81 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| | | *For Owner Furnished Material, Deduct* | *-7,458.28* | |
| 22 11 19 00-0343 | EA | 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) | 12,898.07 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-11,715.80* | |
| 22 11 19 00-0344 | EA | 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) | 16,808.88 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| | | *For Owner Furnished Material, Deduct* | *-15,035.47* | |
| 22 11 19 00-0345 | | **Grooved Double Check Valve Assemblies** *(22 11 19 00-0264)* | | |
| 22 11 19 00-0346 | | **Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0345)*<br>Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series). | | |
| 22 11 19 00-0347 | EA | 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) | 4,013.83 | 137.97 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-3,668.92* | |
| 22 11 19 00-0348 | EA | 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) | 4,459.22 | 153.06 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-4,076.56* | |
| 22 11 19 00-0349 | | **N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0345)*<br>Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series). | | |
| 22 11 19 00-0350 | EA | 2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) | 5,297.04 | 137.97 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-4,952.13* | |
| 22 11 19 00-0351 | EA | 3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) | 5,729.76 | 153.06 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-5,347.10* | |
| 22 11 19 00-0352 | | **Reduced Pressure Zone Backflow Preventer Assemblies** *(22 11 19 00-0263)* | | |
| 22 11 19 00-0353 | | **Threaded Reduced Pressure Zone Assemblies** *(22 11 19 00-0352)* | | |
| 22 11 19 00-0354 | | **Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0353)*<br>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series). | | |
| 22 11 19 00-0355 | EA | 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) | 550.68 | 27.15 |
| | | *For Work In Restricted Working Space, Add* | *20.37* | |
| | | *For Owner Furnished Material, Deduct* | *-482.79* | |
| 22 11 19 00-0356 | EA | 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) | 581.15 | 29.96 |
| | | *For Work In Restricted Working Space, Add* | *22.48* | |
| | | *For Owner Furnished Material, Deduct* | *-506.23* | |
| 22 11 19 00-0357 | EA | 1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) | 678.10 | 31.37 |
| | | *For Work In Restricted Working Space, Add* | *23.53* | |
| | | *For Owner Furnished Material, Deduct* | *-599.67* | |
| 22 11 19 00-0358 | EA | 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) | 909.85 | 44.48 |
| | | *For Work In Restricted Working Space, Add* | *33.36* | |
| | | *For Owner Furnished Material, Deduct* | *-798.65* | |
| 22 11 19 00-0359 | EA | 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) | 1,078.98 | 54.32 |
| | | *For Work In Restricted Working Space, Add* | *40.74* | |
| | | *For Owner Furnished Material, Deduct* | *-943.19* | |
| 22 11 19 00-0360 | EA | 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) | 1,637.61 | 63.21 |
| | | *For Work In Restricted Working Space, Add* | *47.41* | |
| | | *For Owner Furnished Material, Deduct* | *-1,479.58* | |
| 22 11 19 00-0361 | EA | 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) | 1,729.44 | 72.57 |
| | | *For Work In Restricted Working Space, Add* | *54.08* | |
| | | *For Owner Furnished Material, Deduct* | *-1,549.17* | |
| 22 11 19 00-0362 | EA | 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) | 2,072.44 | 93.64 |
| | | *For Work In Restricted Working Space, Add* | *70.23* | |
| | | *For Owner Furnished Material, Deduct* | *-1,838.33* | |
| 22 11 19 00-0363 | | **Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0353)*<br>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series). | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0364 | EA | 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) | 609.12 | 27.15 |
| | | *For Work In Restricted Working Space, Add* | *20.37* | |
| | | *For Owner Furnished Material, Deduct* | *-541.23* | |
| 22 11 19 00-0365 | EA | 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) | 642.74 | 29.96 |
| | | *For Work In Restricted Working Space, Add* | *22.48* | |
| | | *For Owner Furnished Material, Deduct* | *-567.82* | |
| 22 11 19 00-0366 | EA | 1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) | 762.51 | 44.48 |
| | | *For Work In Restricted Working Space, Add* | *23.53* | |
| | | *For Owner Furnished Material, Deduct* | *-684.08* | |
| 22 11 19 00-0367 | EA | 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) | 1,042.51 | 44.48 |
| | | *For Work In Restricted Working Space, Add* | *33.36* | |
| | | *For Owner Furnished Material, Deduct* | *-931.31* | |
| 22 11 19 00-0368 | EA | 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) | 1,244.85 | 54.32 |
| | | *For Work In Restricted Working Space, Add* | *40.74* | |
| | | *For Owner Furnished Material, Deduct* | *-1,109.06* | |
| 22 11 19 00-0369 | EA | 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) | 1,863.82 | 63.21 |
| | | *For Work In Restricted Working Space, Add* | *47.41* | |
| | | *For Owner Furnished Material, Deduct* | *-1,705.79* | |
| 22 11 19 00-0370 | EA | 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) | 2,048.67 | 72.57 |
| | | *For Work In Restricted Working Space, Add* | *54.08* | |
| | | *For Owner Furnished Material, Deduct* | *-1,868.40* | |
| 22 11 19 00-0371 | EA | 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) | 2,464.10 | 93.64 |
| | | *For Work In Restricted Working Space, Add* | *70.23* | |
| | | *For Owner Furnished Material, Deduct* | *-2,229.99* | |

### 22 11 19 00-0372 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0353)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0373 | EA | 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) | 909.85 | 44.48 |
| | | *For Work In Restricted Working Space, Add* | *33.36* | |
| | | *For Owner Furnished Material, Deduct* | *-798.65* | |
| 22 11 19 00-0374 | EA | 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) | 1,078.98 | 54.32 |
| | | *For Work In Restricted Working Space, Add* | *40.74* | |
| | | *For Owner Furnished Material, Deduct* | *-943.19* | |
| 22 11 19 00-0375 | EA | 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) | 1,637.61 | 63.21 |
| | | *For Work In Restricted Working Space, Add* | *47.41* | |
| | | *For Owner Furnished Material, Deduct* | *-1,479.58* | |
| 22 11 19 00-0376 | EA | 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) | 1,729.44 | 72.57 |
| | | *For Work In Restricted Working Space, Add* | *54.08* | |
| | | *For Owner Furnished Material, Deduct* | *-1,549.17* | |
| 22 11 19 00-0377 | EA | 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) | 2,072.44 | 93.64 |
| | | *For Work In Restricted Working Space, Add* | *70.23* | |
| | | *For Owner Furnished Material, Deduct* | *-1,838.33* | |

### 22 11 19 00-0378 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0353)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0379 | EA | 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) | 1,895.13 | 44.48 |
| | | *For Work In Restricted Working Space, Add* | *33.36* | |
| | | *For Owner Furnished Material, Deduct* | *-1,783.93* | |
| 22 11 19 00-0380 | EA | 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) | 2,242.57 | 54.32 |
| | | *For Work In Restricted Working Space, Add* | *40.74* | |
| | | *For Owner Furnished Material, Deduct* | *-2,106.78* | |
| 22 11 19 00-0381 | EA | 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) | 3,458.60 | 63.21 |
| | | *For Work In Restricted Working Space, Add* | *47.41* | |
| | | *For Owner Furnished Material, Deduct* | *-3,300.57* | |
| 22 11 19 00-0382 | EA | 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) | 3,737.62 | 72.57 |
| | | *For Work In Restricted Working Space, Add* | *54.08* | |
| | | *For Owner Furnished Material, Deduct* | *-3,557.35* | |
| 22 11 19 00-0383 | EA | 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT) | 4,332.04 | 93.64 |
| | | *For Work In Restricted Working Space, Add* | *70.23* | |
| | | *For Owner Furnished Material, Deduct* | *-4,097.93* | |

### 22 11 19 00-0384 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0353)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0385 | EA | 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S) | 2,558.25 | 44.48 |
| | | *For Work In Restricted Working Space, Add* | *33.36* | |
| | | *For Owner Furnished Material, Deduct* | *-2,447.05* | |
| 22 11 19 00-0386 | EA | 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S) | 3,040.53 | 54.32 |
| | | *For Work In Restricted Working Space, Add* | *40.74* | |
| | | *For Owner Furnished Material, Deduct* | *-2,904.74* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0387 | EA | 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S) | 4,643.08 | 63.21 |
| | | *For Work In Restricted Working Space, Add* | *47.41* | |
| | | *For Owner Furnished Material, Deduct* | *-4,485.05* | |
| 22 11 19 00-0388 | EA | 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S) | 5,070.76 | 72.57 |
| | | *For Work In Restricted Working Space, Add* | *54.08* | |
| | | *For Owner Furnished Material, Deduct* | *-4,890.49* | |
| 22 11 19 00-0389 | EA | 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S) | 6,020.17 | 93.64 |
| | | *For Work In Restricted Working Space, Add* | *70.23* | |
| | | *For Owner Furnished Material, Deduct* | *-5,786.06* | |

### 22 11 19 00-0390 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0353)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0391 | EA | 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) | 1,042.51 | 44.48 |
| | | *For Work In Restricted Working Space, Add* | *33.36* | |
| | | *For Owner Furnished Material, Deduct* | *-931.31* | |
| 22 11 19 00-0392 | EA | 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) | 1,244.85 | 54.32 |
| | | *For Work In Restricted Working Space, Add* | *40.74* | |
| | | *For Owner Furnished Material, Deduct* | *-1,109.06* | |
| 22 11 19 00-0393 | EA | 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) | 1,863.82 | 63.21 |
| | | *For Work In Restricted Working Space, Add* | *47.41* | |
| | | *For Owner Furnished Material, Deduct* | *-1,705.79* | |
| 22 11 19 00-0394 | EA | 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) | 2,048.67 | 72.57 |
| | | *For Work In Restricted Working Space, Add* | *54.08* | |
| | | *For Owner Furnished Material, Deduct* | *-1,868.40* | |
| 22 11 19 00-0395 | EA | 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) | 2,464.10 | 93.64 |
| | | *For Work In Restricted Working Space, Add* | *70.23* | |
| | | *For Owner Furnished Material, Deduct* | *-2,229.99* | |

### 22 11 19 00-0396 Flanged Reduced Pressure Zone Assemblies *(22 11 19 00-0352)*

### 22 11 19 00-0397 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0396)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0398 | EA | 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series) | 6,222.08 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.48* | |
| | | *For Owner Furnished Material, Deduct* | *-5,877.15* | |
| 22 11 19 00-0399 | EA | 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series) | 7,011.92 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-6,629.26* | |

### 22 11 19 00-0400 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer *(22 11 19 00-0396)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0401 | EA | 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series) | 7,427.40 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.48* | |
| | | *For Owner Furnished Material, Deduct* | *-7,082.47* | |
| 22 11 19 00-0402 | EA | 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series) | 8,412.17 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-8,029.51* | |

### 22 11 19 00-0403 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0396)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0404 | EA | 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series) | 6,683.42 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.48* | |
| | | *For Owner Furnished Material, Deduct* | *-6,338.49* | |
| 22 11 19 00-0405 | EA | 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series) | 7,778.64 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-7,395.98* | |

### 22 11 19 00-0406 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer *(22 11 19 00-0396)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0407 | EA | 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series) | 7,427.40 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.48* | |
| | | *For Owner Furnished Material, Deduct* | *-7,082.47* | |
| 22 11 19 00-0408 | EA | 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series) | 8,412.17 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-8,029.51* | |

### 22 11 19 00-0409 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0396)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0410 | EA | 2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series) | 8,250.98 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.48* | |
| | | *For Owner Furnished Material, Deduct* | *-7,906.05* | |
| 22 11 19 00-0411 | EA | 3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series) | 9,550.89 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-9,168.23* | |

### 22 11 19 00-0412 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0396)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0413 | EA | 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series) | 10,723.33 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-10,378.42* | |
| 22 11 19 00-0414 | EA | 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series) | 12,184.08 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-11,801.41* | |
| 22 11 19 00-0415 | EA | 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series) | 15,327.56 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.37* | |
| | | *For Owner Furnished Material, Deduct* | *-14,752.98* | |
| 22 11 19 00-0416 | EA | 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series) | 23,090.89 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *496.59* | |
| | | *For Owner Furnished Material, Deduct* | *-21,435.60* | |
| 22 11 19 00-0417 | EA | 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series) | 38,331.04 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *744.88* | |
| | | *For Owner Furnished Material, Deduct* | *-35,848.11* | |
| 22 11 19 00-0418 | EA | 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series) | 49,591.21 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |
| | | *For Owner Furnished Material, Deduct* | *-47,480.01* | |

### 22 11 19 00-0419 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer *(22 11 19 00-0396)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0420 | EA | 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series) | 11,559.91 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-11,215.00* | |
| 22 11 19 00-0421 | EA | 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series) | 13,064.51 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-12,681.85* | |
| 22 11 19 00-0422 | EA | 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series) | 16,677.41 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| | | *For Owner Furnished Material, Deduct* | *-16,102.88* | |
| 22 11 19 00-0423 | EA | 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series) | 25,158.71 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-23,976.44* | |
| 22 11 19 00-0424 | EA | 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series) | 40,758.43 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| | | *For Owner Furnished Material, Deduct* | *-38,985.02* | |
| 22 11 19 00-0425 | EA | 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series) | 55,350.56 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |
| | | *For Owner Furnished Material, Deduct* | *-53,239.36* | |

### 22 11 19 00-0426 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0396)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0427 | EA | 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series) | 11,412.08 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.47* | |
| | | *For Owner Furnished Material, Deduct* | *-11,067.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0428 | EA | 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series) | 12,973.55 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-12,590.88* | |
| 22 11 19 00-0429 | EA | 4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series) | 16,308.71 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.37* | |
| | | *For Owner Furnished Material, Deduct* | *-15,734.13* | |
| 22 11 19 00-0430 | EA | 6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series) | 24,048.14 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-22,865.87* | |
| 22 11 19 00-0431 | EA | 8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series) | 40,012.50 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| | | *For Owner Furnished Material, Deduct* | *-38,239.09* | |
| 22 11 19 00-0432 | EA | 10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series) | 52,754.77 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |
| | | *For Owner Furnished Material, Deduct* | *-50,643.57* | |

## 22 11 19 00-0433 Double Check Detector Assemblies *(22 11 19 00-0263)*

## 22 11 19 00-0434 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0433)*

## 22 11 19 00-0435 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0434)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0436 | EA | 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) | 8,542.20 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-8,159.54* | |
| 22 11 19 00-0437 | EA | 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) | 8,923.40 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| | | *For Owner Furnished Material, Deduct* | *-8,348.87* | |
| 22 11 19 00-0438 | EA | 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) | 12,023.57 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-10,841.30* | |
| 22 11 19 00-0439 | EA | 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) | 21,369.68 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| | | *For Owner Furnished Material, Deduct* | *-19,596.27* | |
| 22 11 19 00-0440 | EA | 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) | 28,892.69 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |
| | | *For Owner Furnished Material, Deduct* | *-26,781.49* | |

## 22 11 19 00-0441 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0434)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0442 | EA | 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) | 6,389.80 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.48* | |
| | | *For Owner Furnished Material, Deduct* | *-6,044.87* | |
| 22 11 19 00-0443 | EA | 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) | 6,822.10 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-6,439.44* | |
| 22 11 19 00-0444 | EA | 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) | 7,418.29 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| | | *For Owner Furnished Material, Deduct* | *-6,843.76* | |
| 22 11 19 00-0445 | EA | 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) | 10,068.82 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-8,886.55* | |
| 22 11 19 00-0446 | EA | 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) | 17,836.65 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| | | *For Owner Furnished Material, Deduct* | *-16,063.24* | |
| 22 11 19 00-0447 | EA | 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) | 21,031.55 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |
| | | *For Owner Furnished Material, Deduct* | *-18,920.35* | |

## 22 11 19 00-0448 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0434)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0449 | EA | 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) | 6,770.16 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.48* | |
| | | *For Owner Furnished Material, Deduct* | *-6,425.23* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0450 | EA | 3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) | 7,202.46 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| | | *For Owner Furnished Material, Deduct* | *-6,819.80* | |
| 22 11 19 00-0451 | EA | 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) | 7,798.57 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| | | *For Owner Furnished Material, Deduct* | *-7,224.04* | |
| 22 11 19 00-0452 | EA | 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) | 10,458.68 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| | | *For Owner Furnished Material, Deduct* | *-9,276.41* | |
| 22 11 19 00-0453 | EA | 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) | 17,368.90 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| | | *For Owner Furnished Material, Deduct* | *-15,595.49* | |

### 22 11 19 00-0454 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0433)*

### 22 11 19 00-0455 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter *(22 11 19 00-0454)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0456 | EA | 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) | 6,269.71 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.48* | |
| 22 11 19 00-0457 | EA | 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) | 6,702.06 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| 22 11 19 00-0458 | EA | 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) | 7,298.25 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| 22 11 19 00-0459 | EA | 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) | 9,948.78 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| 22 11 19 00-0460 | EA | 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) | 17,716.69 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |
| 22 11 19 00-0461 | EA | 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) | 20,911.42 | 1,161.15 |
| | | *For Work In Restricted Working Space, Add* | *633.36* | |

### 22 11 19 00-0462 Double Check Detector Assembly With Butterfly Valves Less Meter *(22 11 19 00-0454)*

Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0463 | EA | 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) | 6,650.03 | 258.69 |
| | | *For Work In Restricted Working Space, Add* | *103.48* | |
| 22 11 19 00-0464 | EA | 3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) | 7,082.34 | 291.04 |
| | | *For Work In Restricted Working Space, Add* | *114.80* | |
| 22 11 19 00-0465 | EA | 4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) | 7,678.52 | 431.16 |
| | | *For Work In Restricted Working Space, Add* | *172.36* | |
| 22 11 19 00-0466 | EA | 6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) | 10,338.56 | 654.47 |
| | | *For Work In Restricted Working Space, Add* | *354.68* | |
| 22 11 19 00-0467 | EA | 8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) | 18,106.55 | 981.71 |
| | | *For Work In Restricted Working Space, Add* | *532.02* | |

### 22 11 19 00-0468 Backflow Preventer Accessories *(22 11 19 00-0263)*

### 22 11 19 00-0469 Air Gap *(22 11 19 00-0468)*

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0470 | EA | Up To 1" Diameter Air Gap For Backflow Preventer | 139.73 | 14.63 |
| 22 11 19 00-0471 | EA | 1-1/4" To 2" Diameter Air Gap For Backflow Preventer | 172.07 | 17.56 |
| 22 11 19 00-0472 | EA | 2-1/2" To 3" Diameter Air Gap For Backflow Preventer | 325.59 | 23.41 |
| 22 11 19 00-0473 | EA | 4" To 6" Diameter Air Gap For Backflow Preventer | 645.40 | 40.97 |
| 22 11 19 00-0474 | EA | 8" To 10" Diameter Air Gap For Backflow Preventer | 680.52 | 58.53 |

### 22 11 19 00-0475 Brass Test Cocks *(22 11 19 00-0468)*

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0476 | EA | 1/8" Or 1/4" Brass Test Cock | 56.91 | 5.85 |

### 22 11 19 00-0477 Backflow Valve Enclosures *(22 11 19 00-0263)*

### 22 11 19 00-0478 Flip-Top, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0477)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0479 | EA | 19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure | 1,385.03 | 105.35 |
| | | *For Heated Enclosure, Add* | *168.25* | |
| 22 11 19 00-0480 | EA | 27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure | 1,698.88 | 105.35 |
| | | *For Heated Enclosure, Add* | *215.33* | |
| 22 11 19 00-0481 | EA | 27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure | 2,147.44 | 97.01 |
| | | *For Heated Enclosure, Add* | *285.74* | |
| 22 11 19 00-0482 | EA | 33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure | 2,236.47 | 129.35 |
| | | *For Heated Enclosure, Add* | *286.97* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0483 | EA | 39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure | 2,342.90 | 129.35 |
| | | *For Heated Enclosure, Add* | *302.93* | |
| 22 11 19 00-0484 | EA | 47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure | 2,757.73 | 129.35 |
| | | *For Heated Enclosure, Add* | *365.15* | |
| 22 11 19 00-0485 | EA | 39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure | 2,768.64 | 129.35 |
| | | *For Heated Enclosure, Add* | *366.79* | |
| 22 11 19 00-0486 | EA | 47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure | 3,475.48 | 129.35 |
| | | *For Heated Enclosure, Add* | *472.82* | |
| 22 11 19 00-0487 | EA | 70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure | 7,987.36 | 194.02 |
| | | *For Heated Enclosure, Add* | *1,125.35* | |
| 22 11 19 00-0488 | EA | 83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure | 11,554.29 | 194.02 |
| | | *For Heated Enclosure, Add* | *1,660.38* | |
| 22 11 19 00-0489 | EA | 70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure | 10,981.18 | 194.02 |
| | | *For Heated Enclosure, Add* | *1,574.42* | |
| 22 11 19 00-0490 | EA | 83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure | 13,220.74 | 226.36 |
| | | *For Heated Enclosure, Add* | *1,898.23* | |

### 22 11 19 00-0491 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0477)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0492 | EA | 20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure | 729.11 | 28.09 |
| | | *For Heated Enclosure, Add* | *136.46* | |
| 22 11 19 00-0493 | EA | 27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure | 1,018.39 | 28.09 |
| | | *For Heated Enclosure, Add* | *194.31* | |
| 22 11 19 00-0494 | EA | 38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure | 1,282.12 | 25.87 |
| | | *For Heated Enclosure, Add* | *247.80* | |
| 22 11 19 00-0495 | EA | 47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure | 1,942.56 | 25.87 |
| | | *For Heated Enclosure, Add* | *379.89* | |
| 22 11 19 00-0496 | EA | 70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure | 5,036.90 | 48.50 |
| | | *For Heated Enclosure, Add* | *991.21* | |
| 22 11 19 00-0497 | EA | 83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure | 6,884.50 | 48.50 |
| | | *For Heated Enclosure, Add* | *1,360.73* | |
| 22 11 19 00-0498 | EA | 45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure | 4,578.41 | 48.50 |
| | | *For Heated Enclosure, Add* | *899.51* | |
| 22 11 19 00-0499 | EA | 53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure | 5,184.27 | 48.50 |
| | | *For Heated Enclosure, Add* | *1,020.68* | |
| 22 11 19 00-0500 | EA | 61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure | 8,123.51 | 48.50 |
| | | *For Heated Enclosure, Add* | *1,608.53* | |

### 22 11 19 00-0501 Lift-Off Lightweight Backflow Valve Enclosures With Recessed Locksheild Brackets *(22 11 19 00-0477)*

Note: 1-1/2", 0.095" wall tubular steel framework with 1" x 1" x 1/8" angle iron, 1/2" #13 gauge diamond pattern rolled expanded metal, all welded construction. Excludes concrete pad.

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0502 | EA | 22" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures<br>Note: BP-1 | 906.22 | 105.35 |
| 22 11 19 00-0503 | EA | 30" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures<br>Note: BP-2 | 1,016.44 | 129.35 |
| 22 11 19 00-0504 | EA | 40" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures<br>Note: BP-3 | 1,096.80 | 129.35 |
| 22 11 19 00-0505 | EA | 46" Length x 10" Width x 30" Height, Backflow Preventer Caged Enclosures<br>Note: BP-4 | 1,325.81 | 129.35 |

### 22 11 19 00-0506 Sectional, Insulated Aluminum Valve Enclosures *(22 11 19 00-0477)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0507 | EA | 70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure | 10,342.57 | 194.02 |
| | | *For Heated Enclosure, Add* | *1,478.63* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0508 | EA | 83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure | 11,398.73 | 194.02 |
| | | *For Heated Enclosure, Add* | *1,637.05* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0509 | EA | 53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure | 8,115.62 | 194.02 |
| | | *For Heated Enclosure, Add* | *1,144.58* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0510 | EA | 53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure | 8,896.15 | 194.02 |
| | | *For Heated Enclosure, Add* | *1,261.66* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0511 | EA | 90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure | 10,359.61 | 258.69 |
| | | *For Heated Enclosure, Add* | *1,456.93* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0512 | EA | 102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure | 11,609.53 | 258.69 |
| | | *For Heated Enclosure, Add* | *1,644.42* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0513 | EA | 90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure | 11,609.53 | 258.69 |
| | | *For Heated Enclosure, Add* | *1,644.42* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0514 | EA | 102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure | 12,821.26 | 258.69 |
| | | *For Heated Enclosure, Add* | *1,826.18* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0515 | EA | 62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure | 9,634.70 | 226.36 |
| | | *For Heated Enclosure, Add* | *1,360.32* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0516 | EA | 62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure | 11,279.31 | 258.69 |
| | | *For Heated Enclosure, Add* | *1,594.89* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0517 | EA | 105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure | 13,170.58 | 258.69 |
| | | *For Heated Enclosure, Add* | *1,878.58* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0518 | EA | 125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure | 14,455.48 | 274.87 |
| | | *For Heated Enclosure, Add* | *2,065.25* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0519 | EA | 105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure | 14,769.33 | 274.87 |
| | | *For Heated Enclosure, Add* | *2,112.32* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0520 | EA | 125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure | 16,370.79 | 291.04 |
| | | *For Heated Enclosure, Add* | *2,346.48* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0521 | EA | 105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure | 16,995.76 | 291.04 |
| | | *For Heated Enclosure, Add* | *2,440.23* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0522 | EA | 72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure | 12,351.85 | 258.69 |
| | | *For Heated Enclosure, Add* | *1,755.77* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0523 | EA | 72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure | 13,162.39 | 258.69 |
| | | *For Heated Enclosure, Add* | *1,877.35* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0524 | EA | 72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure | 14,889.41 | 274.87 |
| | | *For Heated Enclosure, Add* | *2,130.34* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0525 | EA | 72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure | 18,035.54 | 291.04 |
| | | *For Heated Enclosure, Add* | *2,596.19* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0526 | EA | 118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure | 15,745.83 | 291.04 |
| | | *For Heated Enclosure, Add* | *2,252.74* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0527 | EA | 142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure | 18,911.07 | 307.20 |
| | | *For Heated Enclosure, Add* | *2,721.46* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0528 | EA | 118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure | 18,286.10 | 307.20 |
| | | *For Heated Enclosure, Add* | *2,627.71* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0529 | EA | 142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure | 21,172.97 | 323.37 |
| | | *For Heated Enclosure, Add* | *3,054.68* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0530 | EA | 142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure | 19,576.45 | 323.37 |
| | | *For Heated Enclosure, Add* | *2,815.20* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0531 | EA | 172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure | 22,834.49 | 339.54 |
| | | *For Heated Enclosure, Add* | *3,297.84* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0532 | EA | 142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure | 22,874.91 | 355.71 |
| | | *For Heated Enclosure, Add* | *3,297.84* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |
| 22 11 19 00-0533 | EA | 172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure | 27,104.49 | 371.88 |
| | | *For Heated Enclosure, Add* | *3,926.22* | |
| | | *For One 24" Fluorescent Light Fixture, Add* | *851.43* | |
| | | *For Two 24" Fluorescent Light Fixture, Add* | *1,523.60* | |

22 11 19 00-0534 Backflow Valve Expanded Metal Security Cage Enclosures, Powder Coated *(22 11 19 00-0477)*

Note: Excludes concrete pad.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 19 00-0535 | EA | 30" Length x 13" Width x 30" Height, Powder Coated, Expanded Metal, Backflow Preventer Caged Enclosures (Armor Budget Kages EKONO303013) | 1,057.36 | 172.47 |
| 22 11 19 00-0536 | EA | 16" Width x 46" Length x 30" Height, Internal Dimensions, Powder Coated Steel, Clamshell Backflow Preventer Enclosures<br>Note: GS-4 | 1,255.80 | 172.47 |
| 22 11 19 00-0537 | EA | 16" Width x 64" Length x 30" Height, Internal Dimensions, Powder Coated Steel, Clamshell Backflow Preventer Enclosures<br>Note: GS-4.5 | 1,905.65 | 194.02 |
| 22 11 19 00-0538 | EA | 24" Width x 66" Length x 40" Height, Internal Dimensions, Powder Coated Steel, Clamshell Backflow Preventer Enclosures<br>Note: GS-5 | 3,075.82 | 194.02 |
| 22 11 19 00-0539 | EA | 24" Width x 80" Length x 40" Height, Internal Dimensions, Powder Coated Steel, Clamshell Backflow Preventer Enclosures<br>Note: GS-4.5 | 3,679.26 | 215.58 |
| 22 11 19 00-0540 | EA | 16" Width x 39" Length x 37" Height, Internal Dimensions, Powder Coated Steel, Hinged Backflow Preventer Enclosures<br>Note: GS-M3 | 2,402.69 | 172.47 |

### 22 11 19 00-0541 Faucets (Hose Bibbs) *(22 11 19)*

### 22 11 19 00-0542 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0541)*

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0543 | EA | 1/2", 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends | 64.71 | 11.71 |
| 22 11 19 00-0544 | EA | 3/4", 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends | 74.56 | 12.88 |
| 22 11 19 00-0545 | EA | 3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL) | 19.42 | 8.78 |

### 22 11 19 00-0546 Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0541)*

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0547 | EA | 3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP) | 228.04 | 35.82 |

### 22 11 19 00-0548 Antisiphon Freezeless Wall Faucet (Woodford 19CP) *(22 11 19 00-0541)*

| | | | | |
|---|---|---|---|---|
| 22 11 19 00-0549 | EA | 4" Long, 1/2" Antisiphon Freezeless Wall Faucet | 137.92 | 29.27 |
| 22 11 19 00-0550 | EA | 6" Long, 1/2" Antisiphon Freezeless Wall Faucet | 149.56 | 32.42 |
| 22 11 19 00-0551 | EA | 8" Long, 1/2" Antisiphon Freezeless Wall Faucet | 158.28 | 34.30 |
| 22 11 19 00-0552 | EA | 10" Long, 1/2" Antisiphon Freezeless Wall Faucet | 166.98 | 36.76 |
| 22 11 19 00-0553 | EA | 12" Long, 1/2" Antisiphon Freezeless Wall Faucet | 175.80 | 38.98 |

## 22 11 23 Domestic Water Pumps *(22 11)*

### 22 11 23 13 Domestic Water Packaged Booster Pumps *(22 11 23)*

Note: Includes motor starter and controls.

### 22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank *(22 11 23 13)*

| | | | | |
|---|---|---|---|---|
| 22 11 23 13-0002 | EA | 1 HP Simplex Domestic Water Packaged Booster Pump And Tank | 16,750.00 | 344.93 |
| 22 11 23 13-0003 | EA | 1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank | 17,288.99 | 463.50 |
| 22 11 23 13-0004 | EA | 2 HP Simplex Domestic Water Packaged Booster Pump And Tank | 17,949.26 | 582.07 |
| 22 11 23 13-0005 | EA | 3 HP Simplex Domestic Water Packaged Booster Pump And Tank | 18,548.88 | 700.64 |
| 22 11 23 13-0006 | EA | 5 HP Simplex Domestic Water Packaged Booster Pump And Tank | 20,482.59 | 819.21 |
| 22 11 23 13-0007 | EA | 7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank | 22,719.49 | 937.78 |
| 22 11 23 13-0008 | EA | 10 HP Simplex Domestic Water Packaged Booster Pump And Tank | 24,228.71 | 1,056.35 |

### 22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*

| | | | | |
|---|---|---|---|---|
| 22 11 23 13-0010 | EA | 100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank | 44,560.77 | 1,402.39 |
| 22 11 23 13-0011 | EA | 200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank | 53,903.17 | 1,490.04 |
| 22 11 23 13-0012 | EA | 300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank | 63,284.24 | 1,577.69 |

### 22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*

| | | | | |
|---|---|---|---|---|
| 22 11 23 13-0014 | EA | 200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator | 59,072.73 | 1,490.04 |
| 22 11 23 13-0015 | EA | 300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator | 73,871.23 | 1,577.69 |
| 22 11 23 13-0016 | EA | 500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator | 92,058.80 | 1,752.99 |
| 22 11 23 13-0017 | EA | 750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator | 116,967.56 | 1,928.28 |
| 22 11 23 13-0018 | EA | 1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator | 141,876.33 | 2,103.58 |
| 22 11 23 13-0019 | EA | 1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator | 165,380.58 | 2,366.53 |
| 22 11 23 13-0020 | EA | 2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator | 188,884.82 | 2,629.48 |
| 22 11 23 13-0021 | EA | 3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator | 212,389.07 | 2,892.42 |
| 22 11 23 13-0022 | EA | 5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator | 236,112.43 | 3,243.03 |

### 22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

| | | | | |
|---|---|---|---|---|
| 22 11 23 13-0024 | EA | 40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1) | 42,917.46 | 1,562.62 |
| 22 11 23 13-0025 | EA | 40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2) | 44,920.08 | 1,562.62 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 23 13-0026 | EA | 80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3) | 47,781.59 | 1,562.62 |
| 22 11 23 13-0027 | EA | 80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4) | 51,906.43 | 1,562.62 |
| 22 11 23 13-0028 | EA | 160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5) | 48,902.04 | 1,660.28 |
| 22 11 23 13-0029 | EA | 160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6) | 52,502.84 | 1,660.28 |
| 22 11 23 13-0030 | EA | 160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7) | 57,393.07 | 1,660.28 |
| 22 11 23 13-0031 | EA | 160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8) | 61,367.87 | 1,660.28 |
| 22 11 23 13-0032 | EA | 240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9) | 53,462.38 | 1,757.95 |
| 22 11 23 13-0033 | EA | 280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10) | 57,017.52 | 1,757.95 |
| 22 11 23 13-0034 | EA | 240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11) | 64,967.13 | 1,757.95 |
| 22 11 23 13-0035 | EA | 240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12) | 78,309.25 | 1,757.95 |
| 22 11 23 13-0036 | EA | 360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13) | 56,517.41 | 1,757.95 |
| 22 11 23 13-0037 | EA | 360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14) | 63,769.04 | 1,757.95 |
| 22 11 23 13-0038 | EA | 360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15) | 79,731.31 | 1,757.95 |
| 22 11 23 13-0039 | EA | 360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16) | 79,270.33 | 1,757.95 |
| 22 11 23 13-0040 | EA | 440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17) | 94,618.50 | 1,953.27 |
| 22 11 23 13-0041 | EA | 440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18) | 64,720.50 | 1,953.27 |
| 22 11 23 13-0042 | EA | 440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19) | 79,256.37 | 1,953.27 |
| 22 11 23 13-0043 | EA | 440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20) | 78,797.57 | 1,953.27 |
| 22 11 23 13-0044 | EA | 440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21) | 95,331.71 | 1,953.27 |
| 22 11 23 13-0045 | EA | 440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22) | 115,555.80 | 1,953.27 |
| 22 11 23 13-0046 | EA | 60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1) | 54,467.87 | 1,562.62 |

## 22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

| | | | | |
|---|---|---|---|---|
| 22 11 23 13-0048 | EA | 60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2) | 54,467.87 | 1,562.62 |
| 22 11 23 13-0049 | EA | 120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3) | 61,030.21 | 1,562.62 |
| 22 11 23 13-0050 | EA | 60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4) | 66,692.35 | 1,562.62 |
| 22 11 23 13-0051 | EA | 180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5) | 61,274.37 | 1,660.28 |
| 22 11 23 13-0052 | EA | 180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6) | 66,897.37 | 1,660.28 |
| 22 11 23 13-0053 | EA | 240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7) | 62,587.71 | 1,660.28 |
| 22 11 23 13-0054 | EA | 240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8) | 67,421.40 | 1,660.28 |
| 22 11 23 13-0055 | EA | 240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9) | 74,068.54 | 1,660.28 |
| 22 11 23 13-0056 | EA | 240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10) | 79,578.47 | 1,660.28 |
| 22 11 23 13-0057 | EA | 300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11) | 63,149.33 | 1,757.95 |
| 22 11 23 13-0058 | EA | 300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12) | 67,983.02 | 1,757.95 |
| 22 11 23 13-0059 | EA | 300 GPM At80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13) | 74,627.99 | 1,757.95 |
| 22 11 23 13-0060 | EA | 300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14) | 80,137.92 | 1,757.95 |
| 22 11 23 13-0061 | EA | 360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15) | 68,585.33 | 1,757.95 |
| 22 11 23 13-0062 | EA | 360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16) | 73,227.68 | 1,757.95 |
| 22 11 23 13-0063 | EA | 360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17) | 84,697.64 | 1,757.95 |
| 22 11 23 13-0064 | EA | 360 GPM At140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18) | 103,414.87 | 1,757.95 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 11 23 13-0065 | EA | 480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19) | 70,021.69 | 1,953.27 |
| 22 11 23 13-0066 | EA | 480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20) | 74,666.21 | 1,953.27 |
| 22 11 23 13-0067 | EA | 480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21) | 86,136.17 | 1,953.27 |
| 22 11 23 13-0068 | EA | 480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22) | 104,851.23 | 1,953.27 |
| 22 11 23 13-0069 | EA | 540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23) | 73,913.87 | 1,953.27 |
| 22 11 23 13-0070 | EA | 540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24) | 84,337.94 | 1,953.27 |
| 22 11 23 13-0071 | EA | 540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25) | 106,982.14 | 1,953.27 |
| 22 11 23 13-0072 | EA | 540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26) | 109,176.11 | 1,953.27 |
| 22 11 23 13-0073 | EA | 540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27) | 135,462.43 | 1,953.27 |
| 22 11 23 13-0074 | EA | 660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28) | 83,707.69 | 2,343.93 |
| 22 11 23 13-0075 | EA | 660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29) | 100,887.62 | 2,343.93 |
| 22 11 23 13-0076 | EA | 660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30) | 107,402.13 | 2,343.93 |
| 22 11 23 13-0077 | EA | 660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31) | 129,748.43 | 2,343.93 |
| 22 11 23 13-0078 | EA | 660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32) | 161,018.48 | 2,343.93 |

### 22 11 23 23 Domestic-Water In-Line Pumps *(22 11 23)*

#### 22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

| | | | | |
|---|---|---|---|---|
| 22 11 23 23-0002 | EA | 1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B) | 1,155.54 | 194.02 |
| 22 11 23 23-0003 | EA | 1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B) | 1,187.80 | 194.02 |
| 22 11 23 23-0004 | EA | 1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B) | 1,244.58 | 197.79 |
| 22 11 23 23-0005 | EA | 1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B) | 1,375.01 | 205.88 |
| 22 11 23 23-0006 | EA | 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B) | 2,508.69 | 213.54 |
| 22 11 23 23-0007 | EA | 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB) | 2,680.12 | 213.54 |
| 22 11 23 23-0008 | EA | 1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB) | 4,029.46 | 235.11 |
| 22 11 23 23-0009 | EA | 1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB) | 4,198.21 | 258.30 |
| 22 11 23 23-0010 | EA | 1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB) | 5,090.86 | 284.18 |
| 22 11 23 23-0011 | EA | 1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S) | 5,196.93 | 312.76 |
| 22 11 23 23-0012 | EA | 3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S) | 5,682.93 | 343.50 |
| 22 11 23 23-0013 | EA | 1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S) | 8,176.41 | 378.01 |
| 22 11 23 23-0014 | EA | 1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S) | 9,429.89 | 396.34 |

#### 22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

| | | | | |
|---|---|---|---|---|
| 22 11 23 23-0016 | EA | 1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30) | 1,205.80 | 194.02 |
| 22 11 23 23-0017 | EA | 1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36) | 2,054.29 | 194.02 |
| 22 11 23 23-0018 | EA | 1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45) | 2,062.09 | 197.79 |
| 22 11 23 23-0019 | EA | 1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45) | 2,097.52 | 202.10 |
| 22 11 23 23-0020 | EA | 1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50) | 2,105.05 | 205.88 |
| 22 11 23 23-0021 | EA | 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75) | 2,143.67 | 213.54 |
| 22 11 23 23-0022 | EA | 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2) | 2,627.69 | 235.11 |
| 22 11 23 23-0023 | EA | 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30) | 3,395.69 | 284.18 |
| 22 11 23 23-0024 | EA | 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S) | 3,573.73 | 312.76 |
| 22 11 23 23-0025 | EA | 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S) | 4,177.67 | 343.50 |
| 22 11 23 23-0026 | EA | 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S) | 5,662.61 | 378.01 |
| 22 11 23 23-0027 | EA | 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S) | 6,633.34 | 396.34 |
| 22 11 23 23-0028 | EA | 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF) | 5,937.79 | 416.30 |
| 22 11 23 23-0029 | EA | 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF) | 6,380.03 | 457.60 |
| 22 11 23 23-0030 | EA | 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF) | 7,009.28 | 485.32 |
| 22 11 23 23-0031 | EA | 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF) | 8,908.36 | 539.24 |
| 22 11 23 23-0032 | EA | 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF) | 9,427.48 | 647.20 |
| 22 11 23 23-0033 | EA | 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF) | 12,045.94 | 755.26 |

## 22 12 Facility Potable-Water Storage Tanks *(22 10)*

### 22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks *(22 12)*

#### 22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks *(22 12 19)*

| | | | | |
|---|---|---|---|---|
| 22 12 19 00-0002 | EA | 5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank | 43,794.26 | 9,980.84 |
| 22 12 19 00-0003 | EA | 10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank | 49,864.83 | 9,980.84 |
| 22 12 19 00-0004 | EA | 20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank | 90,161.70 | 15,402.55 |
| 22 12 19 00-0005 | EA | 35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank | 116,367.51 | 19,961.67 |

#### 22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks *(22 12 19)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 12 19 00-0007 | EA | 5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank | 52,787.69 | 9,980.84 |
| 22 12 19 00-0008 | EA | 10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank | 73,922.26 | 9,980.84 |
| 22 12 19 00-0009 | EA | 20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank | 110,107.47 | 15,402.55 |
| 22 12 19 00-0010 | EA | 35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank | 158,809.87 | 19,961.67 |

## 22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

### 22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks *(22 12 23)*

#### 22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*

| | | | | |
|---|---|---|---|---|
| 22 12 23 13-0002 | EA | 80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A) | 2,775.13 | 431.16 |
| 22 12 23 13-0003 | EA | 119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M) | 3,436.58 | 538.95 |
| 22 12 23 13-0004 | EA | 140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A) | 6,462.19 | 592.85 |
| 22 12 23 13-0005 | EA | 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A) | 7,149.09 | 646.74 |
| 22 12 23 13-0006 | EA | 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A) | 14,374.39 | 700.64 |
| 22 12 23 13-0007 | EA | 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A) | 12,341.18 | 754.53 |
| 22 12 23 13-0008 | EA | 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A) | 21,329.29 | 808.43 |
| 22 12 23 13-0009 | EA | 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A) | 19,620.83 | 862.32 |
| 22 12 23 13-0010 | EA | 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A) | 21,321.20 | 916.22 |
| 22 12 23 13-0011 | EA | 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A) | 25,440.02 | 970.11 |

#### 22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*

| | | | | |
|---|---|---|---|---|
| 22 12 23 13-0013 | EA | 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S) | 2,356.40 | 431.16 |
| 22 12 23 13-0014 | EA | 120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S) | 4,615.96 | 538.95 |
| 22 12 23 13-0015 | EA | 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A) | 5,796.24 | 592.85 |
| 22 12 23 13-0016 | EA | 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S) | 7,190.31 | 646.74 |
| 22 12 23 13-0017 | EA | 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A) | 6,077.69 | 646.74 |
| 22 12 23 13-0018 | EA | 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A) | 9,488.38 | 700.64 |
| 22 12 23 13-0019 | EA | 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A) | 10,270.10 | 754.53 |
| 22 12 23 13-0020 | EA | 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S) | 9,764.65 | 754.53 |
| 22 12 23 13-0021 | EA | 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A) | 8,890.31 | 754.53 |
| 22 12 23 13-0022 | EA | 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A) | 12,231.20 | 808.43 |
| 22 12 23 13-0023 | EA | 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A) | 13,272.93 | 862.32 |
| 22 12 23 13-0024 | EA | 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A) | 15,435.04 | 916.22 |
| 22 12 23 13-0025 | EA | 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A) | 29,183.86 | 970.11 |

### 22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks *(22 12 23)*

#### 22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

Note: Excludes excavation and backfill.

| | | | | |
|---|---|---|---|---|
| 22 12 23 26-0002 | EA | 100 Gallon Horizontal Non-Pressurized Polyethylene Tank | 739.61 | 242.53 |
| | | *For Saddle Assembly, Add* | *829.68* | |
| 22 12 23 26-0003 | EA | 150 Gallon Horizontal Non-Pressurized Polyethylene Tank | 866.54 | 282.95 |
| | | *For Saddle Assembly, Add* | *829.68* | |
| 22 12 23 26-0004 | EA | 200 Gallon Horizontal Non-Pressurized Polyethylene Tank | 1,029.97 | 323.37 |
| | | *For Saddle Assembly, Add* | *953.83* | |
| 22 12 23 26-0005 | EA | 300 Gallon Horizontal Non-Pressurized Polyethylene Tank | 1,259.14 | 363.79 |
| | | *For Saddle Assembly, Add* | *1,438.26* | |
| 22 12 23 26-0006 | EA | 335 Gallon Horizontal Non-Pressurized Polyethylene Tank | 1,515.08 | 404.22 |
| | | *For Two Tie Down Bands, Add* | *473.57* | |
| 22 12 23 26-0007 | EA | 535 Gallon Horizontal Non-Pressurized Polyethylene Tank | 1,961.02 | 556.27 |
| | | *For Two Tie Down Bands, Add* | *507.65* | |
| 22 12 23 26-0008 | EA | 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank | 2,954.35 | 648.97 |
| | | *For Three Tie Down Bands, Add* | *871.01* | |
| 22 12 23 26-0009 | EA | 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank | 4,287.36 | 741.68 |
| | | *For Three Tie Down Bands, Add* | *878.32* | |
| 22 12 23 26-0010 | EA | 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank | 5,362.78 | 834.39 |
| | | *For Four Tie Down Bands, Add* | *1,190.56* | |
| 22 12 23 26-0011 | EA | 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank | 6,288.39 | 927.10 |
| | | *For Four Tie Down Bands, Add* | *1,687.16* | |
| 22 12 23 26-0012 | EA | 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank | 9,027.78 | 1,019.82 |
| | | *For Four Tie Down Bands, Add* | *2,232.44* | |
| 22 12 23 26-0013 | EA | 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank | 10,465.91 | 1,112.52 |
| | | *For Four Tie Down Bands, Add* | *2,417.45* | |
| 22 12 23 26-0014 | EA | 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank | 15,047.78 | 1,483.37 |
| | | *For Four Tie Down Bands, Add* | *2,738.78* | |
| 22 12 23 26-0015 | EA | 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank | 19,521.80 | 1,483.37 |
| | | *For Five Tie Down Bands, Add* | *4,311.99* | |

#### 22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

| | | | | |
|---|---|---|---|---|
| 22 12 23 26-0017 | EA | 100 Gallon Vertical Non-Pressurized Polyethylene Tank | 798.72 | 323.37 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 12 23 26-0018 | EA | 160 Gallon Vertical Non-Pressurized Polyethylene Tank | 969.29 | 343.59 |
| 22 12 23 26-0019 | EA | 210 Gallon Vertical Non-Pressurized Polyethylene Tank | 1,066.83 | 363.79 |
| 22 12 23 26-0020 | EA | 300 Gallon Vertical Non-Pressurized Polyethylene Tank | 1,298.43 | 404.22 |
| 22 12 23 26-0021 | EA | 405 Gallon Vertical Non-Pressurized Polyethylene Tank | 1,476.81 | 485.06 |
| 22 12 23 26-0022 | EA | 500 Gallon Vertical Non-Pressurized Polyethylene Tank | 1,745.27 | 565.90 |
| 22 12 23 26-0023 | EA | 800 Gallon Vertical Non-Pressurized Polyethylene Tank | 2,459.20 | 741.68 |
| 22 12 23 26-0024 | EA | 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank | 3,188.41 | 927.10 |
| 22 12 23 26-0025 | EA | 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank | 4,302.27 | 1,112.52 |
| 22 12 23 26-0026 | EA | 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank | 5,644.92 | 1,297.94 |
| 22 12 23 26-0027 | EA | 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank | 8,358.10 | 1,483.37 |
| 22 12 23 26-0028 | EA | 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank | 11,358.52 | 1,668.79 |
| 22 12 23 26-0029 | EA | 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank | 12,881.32 | 1,854.20 |
| 22 12 23 26-0030 | EA | 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank | 14,194.77 | 2,039.62 |
| 22 12 23 26-0031 | EA | 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank | 16,369.96 | 2,225.05 |
| 22 12 23 26-0032 | EA | 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank | 18,503.77 | 2,410.47 |
| 22 12 23 26-0033 | EA | 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank | 22,950.16 | 2,595.89 |
| 22 12 23 26-0034 | EA | 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank | 27,631.62 | 2,966.73 |

# 22 13 Facility Sanitary Sewerage *(22 10)*

## 22 13 13 Facility Sanitary Sewers *(22 13)*

### 22 13 13 00-0001 Fixture Rough-In *(22 13 13)*

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0383 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

### 22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

| | | | |
|---|---|---|---|
| 22 13 13 00-0003 | EA | Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve. | 1,065.53 |
| 22 13 13 00-0004 | EA | Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve. | 1,423.49 |
| 22 13 13 00-0005 | EA | Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture. | 968.01 |
| 22 13 13 00-0006 | EA | Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve. | 629.25 |
| 22 13 13 00-0007 | EA | Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet. | 741.83 |
| 22 13 13 00-0008 | EA | Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 943.35 |
| 22 13 13 00-0009 | EA | Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 1,006.18 |
| 22 13 13 00-0010 | EA | Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture. | 607.65 |
| 22 13 13 00-0011 | EA | Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 968.01 |
| 22 13 13 00-0012 | EA | Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet. | 994.51 |
| 22 13 13 00-0013 | EA | Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet. | 940.60 |
| 22 13 13 00-0014 | EA | Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 1,065.53 |
| 22 13 13 00-0015 | EA | Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture. | 1,670.67 |
| 22 13 13 00-0016 | EA | Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet. | 1,033.16 |

### 22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

| | | | |
|---|---|---|---|
| 22 13 13 00-0018 | EA | Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve. | 1,389.76 |
| 22 13 13 00-0019 | EA | Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve. | 1,907.75 |
| 22 13 13 00-0020 | EA | Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture. | 1,199.76 |
| 22 13 13 00-0021 | EA | Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve. | 754.69 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 13 00-0022 | EA | Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet. | 1,009.66 | |
| 22 13 13 00-0023 | EA | Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 1,070.29 | |
| 22 13 13 00-0024 | EA | Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture. | 712.71 | |
| 22 13 13 00-0025 | EA | Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 1,210.51 | |
| 22 13 13 00-0026 | EA | Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet. | 1,049.16 | |
| 22 13 13 00-0027 | EA | Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets. | 1,022.25 | |
| 22 13 13 00-0028 | EA | Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets. | 1,389.76 | |
| **22 13 13 00-0029** | | **Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)*<br>Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings. | | |
| 22 13 13 00-0030 | EA | Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve. | 694.38 | |
| 22 13 13 00-0031 | EA | Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve. | 953.88 | |
| 22 13 13 00-0032 | EA | Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture. | 600.41 | |
| 22 13 13 00-0033 | EA | Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve. | 377.88 | |
| 22 13 13 00-0034 | EA | Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet. | 504.84 | |
| 22 13 13 00-0035 | EA | Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 535.13 | |
| 22 13 13 00-0036 | EA | Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture. | 383.30 | |
| 22 13 13 00-0037 | EA | Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 604.73 | |
| 22 13 13 00-0038 | EA | Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet. | 524.59 | |
| 22 13 13 00-0039 | EA | Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets. | 511.65 | |
| 22 13 13 00-0040 | EA | Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe<br>Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 686.81 | |
| **22 13 13 00-0041** | | **Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)*<br>Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings. | | |
| 22 13 13 00-0042 | EA | Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve. | 633.81 | |
| 22 13 13 00-0043 | EA | Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve. | 720.37 | |
| 22 13 13 00-0044 | EA | Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture. | 598.07 | |
| 22 13 13 00-0045 | EA | Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve. | 364.41 | |
| 22 13 13 00-0046 | EA | Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet. | 427.49 | |
| 22 13 13 00-0047 | EA | Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 575.31 | |
| 22 13 13 00-0048 | EA | Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 587.28 | |
| 22 13 13 00-0049 | EA | Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture. | 359.29 | |
| 22 13 13 00-0050 | EA | Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 598.07 | |
| 22 13 13 00-0051 | EA | Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet. | 632.52 | |
| 22 13 13 00-0052 | EA | Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet. | 585.25 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 13 00-0053 | EA | Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 633.68 | |
| 22 13 13 00-0054 | EA | Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture. | 980.85 | |
| 22 13 13 00-0055 | EA | Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet. | 610.86 | |

### 22 13 13 00-0056 Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

| | | | | |
|---|---|---|---|---|
| 22 13 13 00-0057 | EA | Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve. | 779.53 | |
| 22 13 13 00-0058 | EA | Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve. | 944.58 | |
| 22 13 13 00-0059 | EA | Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures. | 677.03 | |
| 22 13 13 00-0060 | EA | Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve. | 410.21 | |
| 22 13 13 00-0061 | EA | Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets. | 593.93 | |
| 22 13 13 00-0062 | EA | Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets. | 621.67 | |
| 22 13 13 00-0063 | EA | Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures. | 397.66 | |
| 22 13 13 00-0064 | EA | Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 686.62 | |
| 22 13 13 00-0065 | EA | Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet. | 652.47 | |
| 22 13 13 00-0066 | EA | Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet. | 628.41 | |
| 22 13 13 00-0067 | EA | Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 779.53 | |

### 22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

| | | | | |
|---|---|---|---|---|
| 22 13 13 00-0069 | EA | Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve. | 389.32 | |
| 22 13 13 00-0070 | EA | Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve. | 471.77 | |
| 22 13 13 00-0071 | EA | Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture. | 338.84 | |
| 22 13 13 00-0072 | EA | Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve. | 205.16 | |
| 22 13 13 00-0073 | EA | Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet. | 296.94 | |
| 22 13 13 00-0074 | EA | Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 310.57 | |
| 22 13 13 00-0075 | EA | Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture. | 198.81 | |
| 22 13 13 00-0076 | EA | Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 343.22 | |
| 22 13 13 00-0077 | EA | Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet. | 326.27 | |
| 22 13 13 00-0078 | EA | Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet. | 314.67 | |
| 22 13 13 00-0079 | EA | Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe<br>Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet. | 382.18 | |

## 22 13 16 Sanitary Waste and Vent Piping *(22 13)*

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| | | | MINOR CSI UOM DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 22 13 16 00-0001 | | | Cast Iron Soil Pipe Assemblies *(22 13 16)* | | |
| 22 13 16 00-0002 | | | Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*<br>Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available. | | |
| 22 13 16 00-0003 | LF | | 2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 34.79 | 6.79 |
| | | | *For Work In Restricted Working Space, Add* | *4.98* | |
| 22 13 16 00-0004 | LF | | 3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 49.75 | 10.24 |
| | | | *For Work In Restricted Working Space, Add* | *6.76* | |
| 22 13 16 00-0005 | LF | | 4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 64.56 | 13.04 |
| | | | *For Work In Restricted Working Space, Add* | *8.69* | |
| 22 13 16 00-0006 | LF | | 5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 76.76 | 16.47 |
| | | | *For Work In Restricted Working Space, Add* | *9.27* | |
| 22 13 16 00-0007 | LF | | 6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 90.16 | 17.94 |
| | | | *For Work In Restricted Working Space, Add* | *10.29* | |
| 22 13 16 00-0008 | LF | | 8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 142.91 | 25.43 |
| | | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 22 13 16 00-0009 | LF | | 10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 210.03 | 25.43 |
| | | | *For Work In Restricted Working Space, Add* | *16.30* | |
| 22 13 16 00-0010 | | | Aboveground No Hub Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*<br>Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | | |
| 22 13 16 00-0011 | LF | | 1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 36.60 | 6.47 |
| | | | *For Work In Restricted Working Space, Add* | *5.68* | |
| 22 13 16 00-0012 | LF | | 2" Aboveground No Hub Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 38.68 | 6.90 |
| | | | *For Work In Restricted Working Space, Add* | *6.10* | |
| 22 13 16 00-0013 | LF | | 3" Aboveground No Hub Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 49.98 | 10.02 |
| | | | *For Work In Restricted Working Space, Add* | *7.48* | |
| 22 13 16 00-0014 | LF | | 4" Aboveground No Hub Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 60.21 | 13.04 |
| | | | *For Work In Restricted Working Space, Add* | *8.95* | |
| 22 13 16 00-0015 | LF | | 5" Aboveground No Hub Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 80.53 | 16.15 |
| | | | *For Work In Restricted Working Space, Add* | *10.96* | |
| 22 13 16 00-0016 | LF | | 6" Aboveground No Hub Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 92.45 | 17.63 |
| | | | *For Work In Restricted Working Space, Add* | *11.95* | |
| 22 13 16 00-0017 | LF | | 8" Aboveground No Hub Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 146.32 | 25.22 |
| | | | *For Work In Restricted Working Space, Add* | *16.41* | |
| 22 13 16 00-0018 | LF | | 10" Aboveground No Hub Cast Iron Soil Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available. | 213.00 | 28.66 |
| | | | *For Work In Restricted Working Space, Add* | *19.08* | |
| 22 13 16 00-0019 | | | Bell And Spigot Cast Iron Soil Pipe And Fittings *(22 13 16)*<br>Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements). | | |
| 22 13 16 00-0020 | | | Bell And Spigot Cast Iron Pipe *(22 13 16 00-0019)*<br>Note: Excludes excavation, hangers, gaskets, and fittings. | | |
| 22 13 16 00-0021 | LF | | 2" Bell And Spigot Cast Iron Pipe | 24.82 | 6.79 |
| | | | *For Extra Heavy Pipe, Add* | *6.12* | |
| | | | *For Above Ground Cast Iron Pipe Installation, Add* | *0.51* | |
| | | | *For Work In Restricted Working Space, Add* | *3.08* | |
| 22 13 16 00-0022 | LF | | 3" Bell And Spigot Cast Iron Pipe | 36.26 | 10.24 |
| | | | *For Extra Heavy Pipe, Add* | *8.76* | |
| | | | *For Above Ground Cast Iron Pipe Installation, Add* | *0.77* | |
| | | | *For Work In Restricted Working Space, Add* | *4.62* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0023 | LF | 4" Bell And Spigot Cast Iron Pipe | 46.73 | 13.04 |
| | | *For Extra Heavy Pipe, Add* | *11.39* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *0.98* | |
| | | *For Work In Restricted Working Space, Add* | *5.88* | |
| 22 13 16 00-0024 | LF | 5" Bell And Spigot Cast Iron Pipe | 62.91 | 16.47 |
| | | *For Extra Heavy Pipe, Add* | *16.08* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *1.23* | |
| | | *For Work In Restricted Working Space, Add* | *7.39* | |
| 22 13 16 00-0025 | LF | 6" Bell And Spigot Cast Iron Pipe | 73.49 | 17.94 |
| | | *For Extra Heavy Pipe, Add* | *19.58* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *1.34* | |
| | | *For Work In Restricted Working Space, Add* | *8.06* | |
| 22 13 16 00-0026 | LF | 8" Bell And Spigot Cast Iron Pipe | 110.66 | 25.43 |
| | | *For Extra Heavy Pipe, Add* | *30.45* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *1.91* | |
| | | *For Work In Restricted Working Space, Add* | *11.45* | |
| 22 13 16 00-0027 | LF | 10" Bell And Spigot Cast Iron Pipe | 163.64 | 28.66 |
| | | *For Extra Heavy Pipe, Add* | *50.70* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.15* | |
| | | *For Work In Restricted Working Space, Add* | *12.88* | |
| 22 13 16 00-0028 | LF | 12" Bell And Spigot Cast Iron Pipe | 232.60 | 38.20 |
| | | *For Extra Heavy Pipe, Add* | *73.66* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.86* | |
| | | *For Work In Restricted Working Space, Add* | *17.17* | |
| 22 13 16 00-0029 | LF | 15" Bell And Spigot Cast Iron Pipe | 325.00 | 45.82 |
| | | *For Extra Heavy Pipe, Add* | *107.65* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *3.43* | |
| | | *For Work In Restricted Working Space, Add* | *20.61* | |

## 22 13 16 00-0030 Bell And Spigot Cast Iron Fittings *(22 13 16 00-0019)*

## 22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0032 | EA | 2" Bell And Spigot Cast Iron Long Sweep | 112.31 | 30.93 |
| | | *For Extra Heavy Fittings, Add* | *23.08* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.32* | |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0033 | EA | 3" Bell And Spigot Cast Iron Long Sweep | 192.08 | 38.91 |
| | | *For Extra Heavy Fittings, Add* | *46.84* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.91* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 13 16 00-0034 | EA | 4" Bell And Spigot Cast Iron Long Sweep | 255.91 | 51.73 |
| | | *For Extra Heavy Fittings, Add* | *62.43* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *3.88* | |
| | | *For Work In Restricted Working Space, Add* | *23.27* | |
| 22 13 16 00-0035 | EA | 6" Bell And Spigot Cast Iron Long Sweep | 404.73 | 69.66 |
| | | *For Extra Heavy Fittings, Add* | *105.11* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.22* | |
| | | *For Work In Restricted Working Space, Add* | *31.33* | |
| 22 13 16 00-0036 | EA | 8" Bell And Spigot Cast Iron Long Sweep | 803.93 | 89.50 |
| | | *For Extra Heavy Fittings, Add* | *234.43* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.71* | |
| | | *For Work In Restricted Working Space, Add* | *40.24* | |
| 22 13 16 00-0037 | EA | 10" Bell And Spigot Cast Iron Long Sweep | 1,100.62 | 110.10 |
| | | *For Extra Heavy Fittings, Add* | *327.43* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.26* | |
| | | *For Work In Restricted Working Space, Add* | *49.53* | |
| 22 13 16 00-0038 | EA | 12" Bell And Spigot Cast Iron Long Sweep | 1,688.97 | 153.67 |
| | | *For Extra Heavy Fittings, Add* | *510.50* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *11.52* | |
| | | *For Work In Restricted Working Space, Add* | *69.12* | |
| 22 13 16 00-0039 | EA | 15" Bell And Spigot Cast Iron Long Sweep | 3,141.80 | 213.99 |
| | | *For Extra Heavy Fittings, Add* | *987.34* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *16.04* | |
| | | *For Work In Restricted Working Space, Add* | *96.25* | |

## 22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0041 | EA | 2" Bell And Spigot Cast Iron Short Sweep | 94.90 | 30.93 |
| | | *For Extra Heavy Fittings, Add* | *16.99* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.32* | |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0042 | EA | 3" Bell And Spigot Cast Iron Short Sweep | 162.86 | 38.91 |
| | | *For Extra Heavy Fittings, Add* | *36.61* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.91* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 13 16 00-0043 | EA | 4" Bell And Spigot Cast Iron Short Sweep | 223.05 | 51.73 |
| | | *For Extra Heavy Fittings, Add* | *50.93* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *3.88* | |
| | | *For Work In Restricted Working Space, Add* | *23.27* | |
| 22 13 16 00-0044 | EA | 5" Bell And Spigot Cast Iron Short Sweep | 340.34 | 59.22 |
| | | *For Extra Heavy Fittings, Add* | *88.06* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *4.44* | |
| | | *For Work In Restricted Working Space, Add* | *26.63* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0045 | EA | 6" Bell And Spigot Cast Iron Short Sweep | 410.99 | 69.66 |
| | | *For Extra Heavy Fittings, Add* | *107.30* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.22* | |
| | | *For Work In Restricted Working Space, Add* | *31.33* | |
| 22 13 16 00-0046 | EA | 8" Bell And Spigot Cast Iron Short Sweep | 677.99 | 89.50 |
| | | *For Extra Heavy Fittings, Add* | *190.35* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.71* | |
| | | *For Work In Restricted Working Space, Add* | *40.24* | |
| 22 13 16 00-0047 | EA | 10" Bell And Spigot Cast Iron Short Sweep | 993.16 | 110.10 |
| | | *For Extra Heavy Fittings, Add* | *289.82* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.26* | |
| | | *For Work In Restricted Working Space, Add* | *49.53* | |
| 22 13 16 00-0048 | EA | 12" Bell And Spigot Cast Iron Short Sweep | 1,648.89 | 153.67 |
| | | *For Extra Heavy Fittings, Add* | *496.47* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *11.52* | |
| | | *For Work In Restricted Working Space, Add* | *69.12* | |

## 22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0050 | EA | 2" Bell And Spigot Cast Iron 1/4 Bend | 85.03 | 30.82 |
| | | *For Extra Heavy Fittings, Add* | *13.57* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.31* | |
| | | *For Work In Restricted Working Space, Add* | *13.88* | |
| 22 13 16 00-0051 | EA | 3" Bell And Spigot Cast Iron 1/4 Bend | 129.54 | 34.71 |
| | | *For Extra Heavy Fittings, Add* | *27.11* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.60* | |
| | | *For Work In Restricted Working Space, Add* | *15.62* | |
| 22 13 16 00-0052 | EA | 4" Bell And Spigot Cast Iron 1/4 Bend | 185.59 | 46.24 |
| | | *For Extra Heavy Fittings, Add* | *40.70* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *3.47* | |
| | | *For Work In Restricted Working Space, Add* | *20.79* | |
| 22 13 16 00-0053 | EA | 5" Bell And Spigot Cast Iron 1/4 Bend | 235.41 | 52.88 |
| | | *For Extra Heavy Fittings, Add* | *54.66* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *3.96* | |
| | | *For Work In Restricted Working Space, Add* | *23.77* | |
| 22 13 16 00-0054 | EA | 6" Bell And Spigot Cast Iron 1/4 Bend | 283.17 | 63.33 |
| | | *For Extra Heavy Fittings, Add* | *65.85* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *4.75* | |
| | | *For Work In Restricted Working Space, Add* | *28.51* | |
| 22 13 16 00-0055 | EA | 8" Bell And Spigot Cast Iron 1/4 Bend | 590.39 | 82.41 |
| | | *For Extra Heavy Fittings, Add* | *163.40* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.18* | |
| | | *For Work In Restricted Working Space, Add* | *37.06* | |
| 22 13 16 00-0056 | EA | 10" Bell And Spigot Cast Iron 1/4 Bend | 872.26 | 100.01 |
| | | *For Extra Heavy Fittings, Add* | *252.82* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.50* | |
| | | *For Work In Restricted Working Space, Add* | *44.98* | |
| 22 13 16 00-0057 | EA | 12" Bell And Spigot Cast Iron 1/4 Bend | 1,151.00 | 118.05 |
| | | *For Extra Heavy Fittings, Add* | *340.89* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.85* | |
| | | *For Work In Restricted Working Space, Add* | *53.11* | |
| 22 13 16 00-0058 | EA | 15" Bell And Spigot Cast Iron 1/4 Bend | 2,949.70 | 186.19 |
| | | *For Extra Heavy Fittings, Add* | *934.71* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *13.96* | |
| | | *For Work In Restricted Working Space, Add* | *83.73* | |

## 22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0060 | EA | 2" Bell And Spigot Cast Iron 1/8 Bend | 77.31 | 30.93 |
| | | *For Extra Heavy Fittings, Add* | *10.83* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.32* | |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0061 | EA | 3" Bell And Spigot Cast Iron 1/8 Bend | 122.13 | 38.91 |
| | | *For Extra Heavy Fittings, Add* | *22.35* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.91* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 13 16 00-0062 | EA | 4" Bell And Spigot Cast Iron 1/8 Bend | 174.45 | 51.73 |
| | | *For Extra Heavy Fittings, Add* | *33.92* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *3.88* | |
| | | *For Work In Restricted Working Space, Add* | *23.27* | |
| 22 13 16 00-0063 | EA | 5" Bell And Spigot Cast Iron 1/8 Bend | 221.37 | 66.19 |
| | | *For Extra Heavy Fittings, Add* | *42.77* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *4.96* | |
| | | *For Work In Restricted Working Space, Add* | *29.75* | |
| 22 13 16 00-0064 | EA | 6" Bell And Spigot Cast Iron 1/8 Bend | 256.18 | 73.79 |
| | | *For Extra Heavy Fittings, Add* | *50.93* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.53* | |
| | | *For Work In Restricted Working Space, Add* | *33.20* | |
| 22 13 16 00-0065 | EA | 8" Bell And Spigot Cast Iron 1/8 Bend | 512.08 | 98.73 |
| | | *For Extra Heavy Fittings, Add* | *127.42* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.40* | |
| | | *For Work In Restricted Working Space, Add* | *44.41* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0066 | EA | 10" Bell And Spigot Cast Iron 1/8 Bend | 717.39 | 121.80 |
| | | *For Extra Heavy Fittings, Add* | *187.16* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.13* | |
| | | *For Work In Restricted Working Space, Add* | *54.80* | |
| 22 13 16 00-0067 | EA | 12" Bell And Spigot Cast Iron 1/8 Bend | 1,162.03 | 157.96 |
| | | *For Extra Heavy Fittings, Add* | *323.84* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *11.84* | |
| | | *For Work In Restricted Working Space, Add* | *71.03* | |
| 22 13 16 00-0068 | EA | 15" Bell And Spigot Cast Iron 1/8 Bend | 2,235.36 | 186.19 |
| | | *For Extra Heavy Fittings, Add* | *684.69* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *13.96* | |
| | | *For Work In Restricted Working Space, Add* | *83.73* | |
| **22 13 16 00-0069** | | **Bell And Spigot Cast Iron Wyes** *(22 13 16 00-0030)* | | |
| 22 13 16 00-0070 | EA | 2" Bell And Spigot Cast Iron Wye | 133.41 | 69.09 |
| | | *For Extra Heavy Fittings, Add* | *10.42* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.18* | |
| | | *For Work In Restricted Working Space, Add* | *31.09* | |
| 22 13 16 00-0071 | EA | 3" Bell And Spigot Cast Iron Wye | 169.23 | 75.67 |
| | | *For Extra Heavy Fittings, Add* | *19.52* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.67* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 13 16 00-0072 | EA | 4" Bell And Spigot Cast Iron Wye | 222.86 | 99.17 |
| | | *For Extra Heavy Fittings, Add* | *25.98* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.43* | |
| | | *For Work In Restricted Working Space, Add* | *44.59* | |
| 22 13 16 00-0073 | EA | 5" Bell And Spigot Cast Iron Wye | 294.48 | 113.90 |
| | | *For Extra Heavy Fittings, Add* | *43.28* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.54* | |
| | | *For Work In Restricted Working Space, Add* | *51.24* | |
| 22 13 16 00-0074 | EA | 6" Bell And Spigot Cast Iron Wye | 370.00 | 135.01 |
| | | *For Extra Heavy Fittings, Add* | *58.65* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *10.12* | |
| | | *For Work In Restricted Working Space, Add* | *60.73* | |
| 22 13 16 00-0075 | EA | 8" Bell And Spigot Cast Iron Wye | 681.20 | 180.29 |
| | | *For Extra Heavy Fittings, Add* | *143.81* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *13.52* | |
| | | *For Work In Restricted Working Space, Add* | *81.10* | |
| 22 13 16 00-0076 | EA | 10" Bell And Spigot Cast Iron Wye | 958.78 | 204.54 |
| | | *For Extra Heavy Fittings, Add* | *228.26* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *15.33* | |
| | | *For Work In Restricted Working Space, Add* | *91.98* | |
| 22 13 16 00-0077 | EA | 12" Bell And Spigot Cast Iron Wye | 1,422.44 | 248.97 |
| | | *For Extra Heavy Fittings, Add* | *367.21* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *18.66* | |
| | | *For Work In Restricted Working Space, Add* | *111.98* | |
| 22 13 16 00-0078 | EA | 15" Bell And Spigot Cast Iron Wye | 2,215.34 | 279.34 |
| | | *For Extra Heavy Fittings, Add* | *628.80* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *20.94* | |
| | | *For Work In Restricted Working Space, Add* | *125.63* | |
| **22 13 16 00-0079** | | **Bell And Spigot Cast Iron Reducing Wyes** *(22 13 16 00-0030)* | | |
| 22 13 16 00-0080 | EA | 3" x 2" Bell And Spigot Cast Iron Reducing Wye | 215.39 | 72.22 |
| | | *For Extra Heavy Fittings, Add* | *37.48* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.42* | |
| | | *For Work In Restricted Working Space, Add* | *32.49* | |
| 22 13 16 00-0081 | EA | 4" x 2" Bell And Spigot Cast Iron Reducing Wye | 262.00 | 89.25 |
| | | *For Extra Heavy Fittings, Add* | *44.85* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.69* | |
| | | *For Work In Restricted Working Space, Add* | *40.16* | |
| 22 13 16 00-0082 | EA | 4" x 3" Bell And Spigot Cast Iron Reducing Wye | 293.25 | 91.51 |
| | | *For Extra Heavy Fittings, Add* | *54.59* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.86* | |
| | | *For Work In Restricted Working Space, Add* | *41.18* | |
| 22 13 16 00-0083 | EA | 6" x 2" Bell And Spigot Cast Iron Reducing Wye | 441.25 | 120.97 |
| | | *For Extra Heavy Fittings, Add* | *90.99* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.06* | |
| | | *For Work In Restricted Working Space, Add* | *54.38* | |
| 22 13 16 00-0084 | EA | 6" x 3" Bell And Spigot Cast Iron Reducing Wye | 452.75 | 123.19 |
| | | *For Extra Heavy Fittings, Add* | *93.81* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.24* | |
| | | *For Work In Restricted Working Space, Add* | *55.42* | |
| 22 13 16 00-0085 | EA | 6" x 4" Bell And Spigot Cast Iron Reducing Wye | 473.74 | 131.43 |
| | | *For Extra Heavy Fittings, Add* | *96.84* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.85* | |
| | | *For Work In Restricted Working Space, Add* | *59.12* | |
| 22 13 16 00-0086 | EA | 8" x 2" Bell And Spigot Cast Iron Reducing Wye | 699.54 | 144.98 |
| | | *For Extra Heavy Fittings, Add* | *168.77* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *10.87* | |
| | | *For Work In Restricted Working Space, Add* | *65.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0087 | EA | 8" x 3" Bell And Spigot Cast Iron Reducing Wye | 731.55 | 147.77 |
| | | *For Extra Heavy Fittings, Add* | *178.52* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *11.08* | |
| | | *For Work In Restricted Working Space, Add* | *66.45* | |
| 22 13 16 00-0088 | EA | 8" x 4" Bell And Spigot Cast Iron Reducing Wye | 748.88 | 154.75 |
| | | *For Extra Heavy Fittings, Add* | *180.90* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *11.60* | |
| | | *For Work In Restricted Working Space, Add* | *69.61* | |
| 22 13 16 00-0089 | EA | 8" x 6" Bell And Spigot Cast Iron Reducing Wye | 885.77 | 172.14 |
| | | *For Extra Heavy Fittings, Add* | *219.68* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *12.91* | |
| | | *For Work In Restricted Working Space, Add* | *77.44* | |
| 22 13 16 00-0090 | EA | 10" x 3" Bell And Spigot Cast Iron Reducing Wye | 1,096.66 | 161.29 |
| | | *For Extra Heavy Fittings, Add* | *299.19* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *12.09* | |
| | | *For Work In Restricted Working Space, Add* | *72.55* | |
| 22 13 16 00-0091 | EA | 10" x 4" Bell And Spigot Cast Iron Reducing Wye | 1,140.75 | 168.38 |
| | | *For Extra Heavy Fittings, Add* | *310.89* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *12.63* | |
| | | *For Work In Restricted Working Space, Add* | *75.75* | |
| 22 13 16 00-0092 | EA | 10" x 6" Bell And Spigot Cast Iron Reducing Wye | 1,247.83 | 186.19 |
| | | *For Extra Heavy Fittings, Add* | *339.05* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *13.96* | |
| | | *For Work In Restricted Working Space, Add* | *83.73* | |
| 22 13 16 00-0093 | EA | 10" x 8" Bell And Spigot Cast Iron Reducing Wye | 1,654.10 | 197.46 |
| | | *For Extra Heavy Fittings, Add* | *475.32* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *14.80* | |
| | | *For Work In Restricted Working Space, Add* | *88.81* | |
| 22 13 16 00-0094 | EA | 12" x 4" Bell And Spigot Cast Iron Reducing Wye | 1,703.00 | 197.46 |
| | | *For Extra Heavy Fittings, Add* | *492.44* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *14.80* | |
| | | *For Work In Restricted Working Space, Add* | *88.81* | |
| 22 13 16 00-0095 | EA | 12" x 6" Bell And Spigot Cast Iron Reducing Wye | 1,771.73 | 213.99 |
| | | *For Extra Heavy Fittings, Add* | *507.82* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *16.04* | |
| | | *For Work In Restricted Working Space, Add* | *96.25* | |
| 22 13 16 00-0096 | EA | 12" x 8" Bell And Spigot Cast Iron Reducing Wye | 2,082.84 | 224.61 |
| | | *For Extra Heavy Fittings, Add* | *611.16* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *16.83* | |
| | | *For Work In Restricted Working Space, Add* | *101.00* | |
| 22 13 16 00-0097 | EA | 12" x 10" Bell And Spigot Cast Iron Reducing Wye | 2,535.48 | 231.27 |
| | | *For Extra Heavy Fittings, Add* | *766.06* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *17.34* | |
| | | *For Work In Restricted Working Space, Add* | *104.02* | |
| 22 13 16 00-0098 | EA | 15" x 4" Bell And Spigot Cast Iron Reducing Wye | 4,206.75 | 218.06 |
| | | *For Extra Heavy Fittings, Add* | *1,357.94* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *16.35* | |
| | | *For Work In Restricted Working Space, Add* | *98.08* | |
| 22 13 16 00-0099 | EA | 15" x 6" Bell And Spigot Cast Iron Reducing Wye | 4,389.68 | 235.98 |
| | | *For Extra Heavy Fittings, Add* | *1,412.53* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *17.69* | |
| | | *For Work In Restricted Working Space, Add* | *106.16* | |
| 22 13 16 00-0100 | EA | 15" x 8" Bell And Spigot Cast Iron Reducing Wye | 4,479.17 | 246.17 |
| | | *For Extra Heavy Fittings, Add* | *1,438.53* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *18.45* | |
| | | *For Work In Restricted Working Space, Add* | *110.73* | |
| 22 13 16 00-0101 | EA | 15" x 10" Bell And Spigot Cast Iron Reducing Wye | 4,583.25 | 254.55 |
| | | *For Extra Heavy Fittings, Add* | *1,470.59* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *19.08* | |
| | | *For Work In Restricted Working Space, Add* | *114.47* | |
| 22 13 16 00-0102 | EA | 15" x 12" Bell And Spigot Cast Iron Reducing Wye | 4,698.36 | 269.36 |
| | | *For Extra Heavy Fittings, Add* | *1,503.09* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *20.19* | |
| | | *For Work In Restricted Working Space, Add* | *121.15* | |
| **22 13 16 00-0103** | | **Bell And Spigot Cast Iron Combination Wye And 1/8 Bends** *(22 13 16 00-0030)* | | |
| 22 13 16 00-0104 | EA | 2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend | 146.16 | 69.09 |
| | | *For Extra Heavy Fittings, Add* | *14.88* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.18* | |
| | | *For Work In Restricted Working Space, Add* | *31.09* | |
| 22 13 16 00-0105 | EA | 3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend | 177.09 | 75.67 |
| | | *For Extra Heavy Fittings, Add* | *22.27* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.67* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 13 16 00-0106 | EA | 4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend | 236.54 | 99.17 |
| | | *For Extra Heavy Fittings, Add* | *30.77* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.43* | |
| | | *For Work In Restricted Working Space, Add* | *44.59* | |
| 22 13 16 00-0107 | EA | 5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend | 338.36 | 119.49 |
| | | *For Extra Heavy Fittings, Add* | *55.74* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.95* | |
| | | *For Work In Restricted Working Space, Add* | *53.73* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0108 | EA | 6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend | 423.84 | 148.21 |
| | | *For Extra Heavy Fittings, Add* | *70.58* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *11.11* | |
| | | *For Work In Restricted Working Space, Add* | *66.65* | |
| 22 13 16 00-0109 | EA | 8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend | 781.94 | 194.13 |
| | | *For Extra Heavy Fittings, Add* | *171.82* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *14.55* | |
| | | *For Work In Restricted Working Space, Add* | *87.31* | |
| 22 13 16 00-0110 | EA | 10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend | 1,130.54 | 254.55 |
| | | *For Extra Heavy Fittings, Add* | *262.14* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *19.08* | |
| | | *For Work In Restricted Working Space, Add* | *114.47* | |
| 22 13 16 00-0111 | EA | 12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend | 1,516.96 | 327.20 |
| | | *For Extra Heavy Fittings, Add* | *359.23* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *24.53* | |
| | | *For Work In Restricted Working Space, Add* | *147.17* | |

## 22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0113 | EA | 3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend | 156.03 | 72.22 |
| | | *For Extra Heavy Fittings, Add* | *16.70* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.42* | |
| | | *For Work In Restricted Working Space, Add* | *32.49* | |
| 22 13 16 00-0114 | EA | 4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend | 221.53 | 89.25 |
| | | *For Extra Heavy Fittings, Add* | *30.68* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.69* | |
| | | *For Work In Restricted Working Space, Add* | *40.16* | |
| 22 13 16 00-0115 | EA | 4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend | 239.84 | 91.51 |
| | | *For Extra Heavy Fittings, Add* | *35.90* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.86* | |
| | | *For Work In Restricted Working Space, Add* | *41.18* | |
| 22 13 16 00-0116 | EA | 6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend | 364.65 | 120.97 |
| | | *For Extra Heavy Fittings, Add* | *64.18* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.06* | |
| | | *For Work In Restricted Working Space, Add* | *54.38* | |
| 22 13 16 00-0117 | EA | 6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend | 380.03 | 123.19 |
| | | *For Extra Heavy Fittings, Add* | *68.36* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.24* | |
| | | *For Work In Restricted Working Space, Add* | *55.42* | |
| 22 13 16 00-0118 | EA | 6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend | 402.78 | 131.43 |
| | | *For Extra Heavy Fittings, Add* | *72.01* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.85* | |
| | | *For Work In Restricted Working Space, Add* | *59.12* | |
| 22 13 16 00-0119 | EA | 8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend | 557.26 | 144.98 |
| | | *For Extra Heavy Fittings, Add* | *118.97* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *10.87* | |
| | | *For Work In Restricted Working Space, Add* | *65.21* | |
| 22 13 16 00-0120 | EA | 8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend | 571.94 | 154.75 |
| | | *For Extra Heavy Fittings, Add* | *118.97* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *11.60* | |
| | | *For Work In Restricted Working Space, Add* | *69.61* | |
| 22 13 16 00-0121 | EA | 8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend | 724.75 | 172.14 |
| | | *For Extra Heavy Fittings, Add* | *163.32* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *12.91* | |
| | | *For Work In Restricted Working Space, Add* | *77.44* | |

## 22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0123 | EA | 2" Bell And Spigot Cast Iron Double Wye | 241.51 | 82.68 |
| | | *For Extra Heavy Fittings, Add* | *41.16* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.20* | |
| | | *For Work In Restricted Working Space, Add* | *37.17* | |
| 22 13 16 00-0124 | EA | 3" Bell And Spigot Cast Iron Double Wye | 353.68 | 104.23 |
| | | *For Extra Heavy Fittings, Add* | *69.11* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.81* | |
| | | *For Work In Restricted Working Space, Add* | *46.87* | |
| 22 13 16 00-0125 | EA | 4" Bell And Spigot Cast Iron Double Wye | 481.21 | 131.82 |
| | | *For Extra Heavy Fittings, Add* | *99.23* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.89* | |
| | | *For Work In Restricted Working Space, Add* | *59.31* | |
| 22 13 16 00-0126 | EA | 6" Bell And Spigot Cast Iron Double Wye | 939.89 | 207.42 |
| | | *For Extra Heavy Fittings, Add* | *220.11* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *15.55* | |
| | | *For Work In Restricted Working Space, Add* | *93.30* | |
| 22 13 16 00-0127 | EA | 8" Bell And Spigot Cast Iron Double Wye | 1,896.09 | 243.71 |
| | | *For Extra Heavy Fittings, Add* | *535.77* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *18.27* | |
| | | *For Work In Restricted Working Space, Add* | *109.60* | |
| 22 13 16 00-0128 | EA | 10" Bell And Spigot Cast Iron Double Wye | 2,517.72 | 272.68 |
| | | *For Extra Heavy Fittings, Add* | *738.12* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *20.44* | |
| | | *For Work In Restricted Working Space, Add* | *122.65* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0129 | EA | 12" Bell And Spigot Cast Iron Double Wye | 1,732.09 | 327.20 |
| | | *For Extra Heavy Fittings, Add* | *434.53* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *24.53* | |
| | | *For Work In Restricted Working Space, Add* | *147.17* | |
| 22 13 16 00-0130 | EA | 15" Bell And Spigot Cast Iron Double Wye | 4,941.43 | 343.41 |
| | | *For Extra Heavy Fittings, Add* | *1,549.21* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *25.76* | |
| | | *For Work In Restricted Working Space, Add* | *154.54* | |

## 22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0132 | EA | 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye | 216.00 | 97.77 |
| | | *For Extra Heavy Fittings, Add* | *24.29* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.33* | |
| | | *For Work In Restricted Working Space, Add* | *43.98* | |
| 22 13 16 00-0133 | EA | 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye | 251.18 | 112.31 |
| | | *For Extra Heavy Fittings, Add* | *28.97* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.42* | |
| | | *For Work In Restricted Working Space, Add* | *50.53* | |
| 22 13 16 00-0134 | EA | 4" x 3" Bell And Spigot Cast Iron Reducing Double Wye | 272.59 | 117.81 |
| | | *For Extra Heavy Fittings, Add* | *33.56* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.84* | |
| | | *For Work In Restricted Working Space, Add* | *53.01* | |
| 22 13 16 00-0135 | EA | 6" x 2" Bell And Spigot Cast Iron Reducing Double Wye | 358.79 | 143.88 |
| | | *For Extra Heavy Fittings, Add* | *50.09* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *10.78* | |
| | | *For Work In Restricted Working Space, Add* | *64.70* | |
| 22 13 16 00-0136 | EA | 6" x 3" Bell And Spigot Cast Iron Reducing Double Wye | 380.64 | 149.37 |
| | | *For Extra Heavy Fittings, Add* | *54.86* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *11.20* | |
| | | *For Work In Restricted Working Space, Add* | *67.17* | |
| 22 13 16 00-0137 | EA | 6" x 4" Bell And Spigot Cast Iron Reducing Double Wye | 438.80 | 162.88 |
| | | *For Extra Heavy Fittings, Add* | *68.11* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *12.21* | |
| | | *For Work In Restricted Working Space, Add* | *73.26* | |
| 22 13 16 00-0138 | EA | 8" x 4" Bell And Spigot Cast Iron Reducing Double Wye | 713.60 | 187.80 |
| | | *For Extra Heavy Fittings, Add* | *151.24* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *14.07* | |
| | | *For Work In Restricted Working Space, Add* | *84.44* | |
| 22 13 16 00-0139 | EA | 8" x 6" Bell And Spigot Cast Iron Reducing Double Wye | 775.48 | 222.24 |
| | | *For Extra Heavy Fittings, Add* | *154.77* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *16.66* | |
| | | *For Work In Restricted Working Space, Add* | *99.98* | |
| 22 13 16 00-0140 | EA | 10" x 4" Bell And Spigot Cast Iron Reducing Double Wye | 760.09 | 200.89 |
| | | *For Extra Heavy Fittings, Add* | *160.60* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *15.06* | |
| | | *For Work In Restricted Working Space, Add* | *90.37* | |
| 22 13 16 00-0141 | EA | 10" x 6" Bell And Spigot Cast Iron Reducing Double Wye | 885.65 | 235.98 |
| | | *For Extra Heavy Fittings, Add* | *186.12* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *17.69* | |
| | | *For Work In Restricted Working Space, Add* | *106.16* | |
| 22 13 16 00-0142 | EA | 10" x 8" Bell And Spigot Cast Iron Reducing Double Wye | 1,094.72 | 257.23 |
| | | *For Extra Heavy Fittings, Add* | *248.17* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *19.28* | |
| | | *For Work In Restricted Working Space, Add* | *115.70* | |
| 22 13 16 00-0143 | EA | 12" x 6" Bell And Spigot Cast Iron Reducing Double Wye | 1,118.14 | 263.14 |
| | | *For Extra Heavy Fittings, Add* | *253.26* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *19.73* | |
| | | *For Work In Restricted Working Space, Add* | *118.36* | |
| 22 13 16 00-0144 | EA | 12" x 8" Bell And Spigot Cast Iron Reducing Double Wye | 1,434.31 | 286.31 |
| | | *For Extra Heavy Fittings, Add* | *351.77* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *21.46* | |
| | | *For Work In Restricted Working Space, Add* | *128.78* | |

## 22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0146 | EA | 2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend | 199.35 | 82.68 |
| | | *For Extra Heavy Fittings, Add* | *26.41* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.20* | |
| | | *For Work In Restricted Working Space, Add* | *37.17* | |
| 22 13 16 00-0147 | EA | 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend | 268.58 | 110.59 |
| | | *For Extra Heavy Fittings, Add* | *35.96* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.29* | |
| | | *For Work In Restricted Working Space, Add* | *49.75* | |
| 22 13 16 00-0148 | EA | 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend | 351.89 | 138.29 |
| | | *For Extra Heavy Fittings, Add* | *50.61* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *10.36* | |
| | | *For Work In Restricted Working Space, Add* | *62.19* | |
| 22 13 16 00-0149 | EA | 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend | 795.84 | 231.81 |
| | | *For Extra Heavy Fittings, Add* | *156.89* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *17.38* | |
| | | *For Work In Restricted Working Space, Add* | *104.27* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 13 16 00-0150** | | **Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0030)* | | |
| 22 13 16 00-0151 | EA | 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend | 267.91 | 99.17 |
| | | *For Extra Heavy Fittings, Add* | *41.74* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.43* | |
| | | *For Work In Restricted Working Space, Add* | *44.59* | |
| 22 13 16 00-0152 | EA | 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend | 318.69 | 112.31 |
| | | *For Extra Heavy Fittings, Add* | *52.59* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.42* | |
| | | *For Work In Restricted Working Space, Add* | *50.53* | |
| 22 13 16 00-0153 | EA | 4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend | 357.95 | 125.04 |
| | | *For Extra Heavy Fittings, Add* | *59.69* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.37* | |
| | | *For Work In Restricted Working Space, Add* | *56.22* | |
| 22 13 16 00-0154 | EA | 6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend | 737.82 | 172.91 |
| | | *For Extra Heavy Fittings, Add* | *167.49* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *12.96* | |
| | | *For Work In Restricted Working Space, Add* | *77.78* | |
| **22 13 16 00-0155** | | **Bell And Spigot Cast Iron Sanitary Tees** *(22 13 16 00-0030)* | | |
| 22 13 16 00-0156 | EA | 2" Bell And Spigot Cast Iron Sanitary Tee | 162.54 | 69.20 |
| | | *For Extra Heavy Fittings, Add* | *20.58* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.19* | |
| | | *For Work In Restricted Working Space, Add* | *31.12* | |
| 22 13 16 00-0157 | EA | 3" Bell And Spigot Cast Iron Sanitary Tee | 185.26 | 75.67 |
| | | *For Extra Heavy Fittings, Add* | *25.13* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.67* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 13 16 00-0158 | EA | 4" Bell And Spigot Cast Iron Sanitary Tee | 302.46 | 92.70 |
| | | *For Extra Heavy Fittings, Add* | *57.19* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.95* | |
| | | *For Work In Restricted Working Space, Add* | *41.72* | |
| 22 13 16 00-0159 | EA | 5" Bell And Spigot Cast Iron Sanitary Tee | 448.95 | 105.35 |
| | | *For Extra Heavy Fittings, Add* | *101.82* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.90* | |
| | | *For Work In Restricted Working Space, Add* | *47.41* | |
| 22 13 16 00-0160 | EA | 6" Bell And Spigot Cast Iron Sanitary Tee | 538.58 | 126.36 |
| | | *For Extra Heavy Fittings, Add* | *122.19* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.47* | |
| | | *For Work In Restricted Working Space, Add* | *56.84* | |
| 22 13 16 00-0161 | EA | 8" Bell And Spigot Cast Iron Sanitary Tee | 1,166.18 | 164.73 |
| | | *For Extra Heavy Fittings, Add* | *321.72* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *74.09* | |
| 22 13 16 00-0162 | EA | 10" Bell And Spigot Cast Iron Sanitary Tee | 1,757.09 | 200.89 |
| | | *For Extra Heavy Fittings, Add* | *509.55* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *15.06* | |
| | | *For Work In Restricted Working Space, Add* | *90.37* | |
| 22 13 16 00-0163 | EA | 12" Bell And Spigot Cast Iron Sanitary Tee | 2,628.05 | 235.98 |
| | | *For Extra Heavy Fittings, Add* | *795.96* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *17.69* | |
| | | *For Work In Restricted Working Space, Add* | *106.16* | |
| **22 13 16 00-0164** | | **Bell And Spigot Cast Iron Reducing Sanitary Tees** *(22 13 16 00-0030)* | | |
| 22 13 16 00-0165 | EA | 3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee | 220.97 | 72.22 |
| | | *For Extra Heavy Fittings, Add* | *39.43* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.42* | |
| | | *For Work In Restricted Working Space, Add* | *32.49* | |
| 22 13 16 00-0166 | EA | 4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee | 261.75 | 84.61 |
| | | *For Extra Heavy Fittings, Add* | *47.23* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.34* | |
| | | *For Work In Restricted Working Space, Add* | *38.04* | |
| 22 13 16 00-0167 | EA | 4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee | 274.75 | 84.61 |
| | | *For Extra Heavy Fittings, Add* | *51.78* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.34* | |
| | | *For Work In Restricted Working Space, Add* | *38.04* | |
| 22 13 16 00-0168 | EA | 6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee | 423.92 | 120.97 |
| | | *For Extra Heavy Fittings, Add* | *84.92* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.06* | |
| | | *For Work In Restricted Working Space, Add* | *54.38* | |
| 22 13 16 00-0169 | EA | 6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee | 441.61 | 123.19 |
| | | *For Extra Heavy Fittings, Add* | *89.91* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.24* | |
| | | *For Work In Restricted Working Space, Add* | *55.42* | |
| 22 13 16 00-0170 | EA | 6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee | 479.31 | 131.43 |
| | | *For Extra Heavy Fittings, Add* | *98.79* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.85* | |
| | | *For Work In Restricted Working Space, Add* | *59.12* | |
| 22 13 16 00-0171 | EA | 8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee | 822.54 | 154.75 |
| | | *For Extra Heavy Fittings, Add* | *206.68* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *11.60* | |
| | | *For Work In Restricted Working Space, Add* | *69.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0172 | EA | 8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee | 1,034.95 | 172.14 |
| | | *For Extra Heavy Fittings, Add* | *271.89* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *12.91* | |
| | | *For Work In Restricted Working Space, Add* | *77.44* | |

## 22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0174 | EA | 2" Bell And Spigot Cast Iron Vent Tee | 137.99 | 69.09 |
| | | *For Extra Heavy Fittings, Add* | *12.02* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.18* | |
| | | *For Work In Restricted Working Space, Add* | *31.09* | |
| 22 13 16 00-0175 | EA | 3" Bell And Spigot Cast Iron Vent Tee | 173.25 | 75.67 |
| | | *For Extra Heavy Fittings, Add* | *20.93* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.67* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 13 16 00-0176 | EA | 4" Bell And Spigot Cast Iron Vent Tee | 229.67 | 99.17 |
| | | *For Extra Heavy Fittings, Add* | *28.36* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.43* | |
| | | *For Work In Restricted Working Space, Add* | *44.59* | |
| 22 13 16 00-0177 | EA | 5" Bell And Spigot Cast Iron Vent Tee | 299.98 | 119.49 |
| | | *For Extra Heavy Fittings, Add* | *42.31* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.95* | |
| | | *For Work In Restricted Working Space, Add* | *53.73* | |
| 22 13 16 00-0178 | EA | 6" Bell And Spigot Cast Iron Vent Tee | 377.91 | 148.21 |
| | | *For Extra Heavy Fittings, Add* | *54.51* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *11.11* | |
| | | *For Work In Restricted Working Space, Add* | *66.65* | |
| 22 13 16 00-0179 | EA | 8" Bell And Spigot Cast Iron Vent Tee | 653.44 | 194.13 |
| | | *For Extra Heavy Fittings, Add* | *126.85* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *14.55* | |
| | | *For Work In Restricted Working Space, Add* | *87.31* | |

## 22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0181 | EA | 2" Bell And Spigot Cast Iron Tapped Sanitary Tee | 142.02 | 69.09 |
| | | *For Extra Heavy Fittings, Add* | *13.43* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.18* | |
| | | *For Work In Restricted Working Space, Add* | *31.09* | |
| 22 13 16 00-0182 | EA | 3" Bell And Spigot Cast Iron Tapped Sanitary Tee | 156.85 | 75.67 |
| | | *For Extra Heavy Fittings, Add* | *15.19* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.67* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 13 16 00-0183 | EA | 4" Bell And Spigot Cast Iron Tapped Sanitary Tee | 202.12 | 99.17 |
| | | *For Extra Heavy Fittings, Add* | *18.72* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.43* | |
| | | *For Work In Restricted Working Space, Add* | *44.59* | |

## 22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0185 | EA | 2" Bell And Spigot Cast Iron Tapped Sanitary Cross | 144.56 | 69.09 |
| | | *For Extra Heavy Fittings, Add* | *14.32* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.18* | |
| | | *For Work In Restricted Working Space, Add* | *31.09* | |
| 22 13 16 00-0186 | EA | 3" Bell And Spigot Cast Iron Tapped Sanitary Cross | 161.68 | 75.67 |
| | | *For Extra Heavy Fittings, Add* | *16.88* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.67* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 13 16 00-0187 | EA | 4" Bell And Spigot Cast Iron Tapped Sanitary Cross | 214.25 | 99.17 |
| | | *For Extra Heavy Fittings, Add* | *22.96* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.43* | |
| | | *For Work In Restricted Working Space, Add* | *44.59* | |

## 22 13 16 00-0188 Bell And Spigot Cast Iron Reducers *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0189 | EA | 3" x 2" Bell And Spigot Cast Iron Reducer | 79.99 | 38.91 |
| | | *For Extra Heavy Fittings, Add* | *7.61* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.91* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 13 16 00-0190 | EA | 4" x 2" Bell And Spigot Cast Iron Reducer | 99.72 | 51.31 |
| | | *For Extra Heavy Fittings, Add* | *7.95* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *3.85* | |
| | | *For Work In Restricted Working Space, Add* | *23.10* | |
| 22 13 16 00-0191 | EA | 4" x 3" Bell And Spigot Cast Iron Reducer | 107.08 | 51.73 |
| | | *For Extra Heavy Fittings, Add* | *10.34* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *3.88* | |
| | | *For Work In Restricted Working Space, Add* | *23.27* | |
| 22 13 16 00-0192 | EA | 6" x 2" Bell And Spigot Cast Iron Reducer | 138.86 | 63.97 |
| | | *For Extra Heavy Fittings, Add* | *15.02* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *4.80* | |
| | | *For Work In Restricted Working Space, Add* | *28.79* | |
| 22 13 16 00-0193 | EA | 6" x 3" Bell And Spigot Cast Iron Reducer | 145.44 | 64.82 |
| | | *For Extra Heavy Fittings, Add* | *16.88* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *4.86* | |
| | | *For Work In Restricted Working Space, Add* | *29.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0194 | EA | 6" x 4" Bell And Spigot Cast Iron Reducer | 150.18 | 66.19 |
| | | *For Extra Heavy Fittings, Add* | *17.85* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *4.96* | |
| | | *For Work In Restricted Working Space, Add* | *29.75* | |
| 22 13 16 00-0195 | EA | 8" x 2" Bell And Spigot Cast Iron Reducer | 196.40 | 68.19 |
| | | *For Extra Heavy Fittings, Add* | *32.95* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.11* | |
| | | *For Work In Restricted Working Space, Add* | *30.68* | |
| 22 13 16 00-0196 | EA | 8" x 3" Bell And Spigot Cast Iron Reducer | 220.47 | 83.59 |
| | | *For Extra Heavy Fittings, Add* | *33.30* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.27* | |
| | | *For Work In Restricted Working Space, Add* | *37.60* | |
| 22 13 16 00-0197 | EA | 8" x 4" Bell And Spigot Cast Iron Reducer | 226.28 | 85.74 |
| | | *For Extra Heavy Fittings, Add* | *34.19* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.43* | |
| | | *For Work In Restricted Working Space, Add* | *38.58* | |
| 22 13 16 00-0198 | EA | 8" x 6" Bell And Spigot Cast Iron Reducer | 233.61 | 89.50 |
| | | *For Extra Heavy Fittings, Add* | *34.81* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.71* | |
| | | *For Work In Restricted Working Space, Add* | *40.24* | |
| 22 13 16 00-0199 | EA | 10" x 4" Bell And Spigot Cast Iron Reducer | 292.99 | 100.45 |
| | | *For Extra Heavy Fittings, Add* | *49.83* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.53* | |
| | | *For Work In Restricted Working Space, Add* | *45.19* | |
| 22 13 16 00-0200 | EA | 10" x 6" Bell And Spigot Cast Iron Reducer | 308.95 | 105.49 |
| | | *For Extra Heavy Fittings, Add* | *52.75* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.91* | |
| | | *For Work In Restricted Working Space, Add* | *47.47* | |
| 22 13 16 00-0201 | EA | 10" x 8" Bell And Spigot Cast Iron Reducer | 329.44 | 110.10 |
| | | *For Extra Heavy Fittings, Add* | *57.52* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.26* | |
| | | *For Work In Restricted Working Space, Add* | *49.53* | |
| 22 13 16 00-0202 | EA | 12" x 4" Bell And Spigot Cast Iron Reducer | 411.29 | 119.34 |
| | | *For Extra Heavy Fittings, Add* | *81.35* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.94* | |
| | | *For Work In Restricted Working Space, Add* | *53.66* | |
| 22 13 16 00-0203 | EA | 12" x 6" Bell And Spigot Cast Iron Reducer | 457.98 | 139.62 |
| | | *For Extra Heavy Fittings, Add* | *87.01* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *10.47* | |
| | | *For Work In Restricted Working Space, Add* | *62.82* | |
| 22 13 16 00-0204 | EA | 12" x 8" Bell And Spigot Cast Iron Reducer | 494.42 | 159.04 |
| | | *For Extra Heavy Fittings, Add* | *89.58* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *11.92* | |
| | | *For Work In Restricted Working Space, Add* | *71.54* | |
| 22 13 16 00-0205 | EA | 12" x 10" Bell And Spigot Cast Iron Reducer | 540.68 | 183.18 |
| | | *For Extra Heavy Fittings, Add* | *93.11* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *13.73* | |
| | | *For Work In Restricted Working Space, Add* | *82.39* | |
| 22 13 16 00-0206 | EA | 15" x 6" Bell And Spigot Cast Iron Reducer | 712.82 | 183.18 |
| | | *For Extra Heavy Fittings, Add* | *153.36* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *13.73* | |
| | | *For Work In Restricted Working Space, Add* | *82.39* | |
| 22 13 16 00-0207 | EA | 15" x 8" Bell And Spigot Cast Iron Reducer | 758.18 | 197.46 |
| | | *For Extra Heavy Fittings, Add* | *161.75* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *14.80* | |
| | | *For Work In Restricted Working Space, Add* | *88.81* | |
| 22 13 16 00-0208 | EA | 15" x 10" Bell And Spigot Cast Iron Reducer | 789.18 | 208.19 |
| | | *For Extra Heavy Fittings, Add* | *166.95* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *15.61* | |
| | | *For Work In Restricted Working Space, Add* | *93.66* | |
| 22 13 16 00-0209 | EA | 15" x 12" Bell And Spigot Cast Iron Reducer | 831.26 | 222.24 |
| | | *For Extra Heavy Fittings, Add* | *174.29* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *16.66* | |
| | | *For Work In Restricted Working Space, Add* | *99.98* | |

### 22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0211 | EA | 2" Bell And Spigot Cast Iron P-Trap | 83.50 | 30.93 |
| | | *For Extra Heavy Fittings, Add* | *13.00* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.32* | |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0212 | EA | 3" Bell And Spigot Cast Iron P-Trap | 112.30 | 38.91 |
| | | *For Extra Heavy Fittings, Add* | *18.91* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.91* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 13 16 00-0213 | EA | 4" Bell And Spigot Cast Iron P-Trap | 153.25 | 51.73 |
| | | *For Extra Heavy Fittings, Add* | *26.50* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *3.88* | |
| | | *For Work In Restricted Working Space, Add* | *23.27* | |
| 22 13 16 00-0214 | EA | 5" Bell And Spigot Cast Iron P-Trap | 251.05 | 59.22 |
| | | *For Extra Heavy Fittings, Add* | *56.81* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *4.44* | |
| | | *For Work In Restricted Working Space, Add* | *26.63* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0215 | EA | 6" Bell And Spigot Cast Iron P-Trap | 338.15 | 69.66 |
| | | *For Extra Heavy Fittings, Add* | *81.81* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.22* | |
| | | *For Work In Restricted Working Space, Add* | *31.33* | |
| 22 13 16 00-0216 | EA | 8" Bell And Spigot Cast Iron P-Trap | 758.08 | 89.50 |
| | | *For Extra Heavy Fittings, Add* | *218.38* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.71* | |
| | | *For Work In Restricted Working Space, Add* | *40.24* | |
| 22 13 16 00-0217 | EA | 10" Bell And Spigot Cast Iron P-Trap | 839.18 | 110.10 |
| | | *For Extra Heavy Fittings, Add* | *235.93* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.26* | |
| | | *For Work In Restricted Working Space, Add* | *49.53* | |
| **22 13 16 00-0218** | | **Bell And Spigot Cast Iron Deep Seal P-Traps** *(22 13 16 00-0030)* | | |
| 22 13 16 00-0219 | EA | 2" Bell And Spigot Cast Iron Deep Seal P-Trap | 97.61 | 30.93 |
| | | *For Extra Heavy Fittings, Add* | *17.94* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.32* | |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0220 | EA | 3" Bell And Spigot Cast Iron Deep Seal P-Trap | 140.03 | 38.91 |
| | | *For Extra Heavy Fittings, Add* | *28.62* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.91* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 13 16 00-0221 | EA | 4" Bell And Spigot Cast Iron Deep Seal P-Trap | 204.81 | 51.73 |
| | | *For Extra Heavy Fittings, Add* | *44.54* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *3.88* | |
| | | *For Work In Restricted Working Space, Add* | *23.27* | |
| 22 13 16 00-0222 | EA | 5" Bell And Spigot Cast Iron Deep Seal P-Trap | 343.00 | 66.19 |
| | | *For Extra Heavy Fittings, Add* | *85.34* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *4.96* | |
| | | *For Work In Restricted Working Space, Add* | *29.75* | |
| 22 13 16 00-0223 | EA | 6" Bell And Spigot Cast Iron Deep Seal P-Trap | 363.60 | 73.79 |
| | | *For Extra Heavy Fittings, Add* | *88.52* | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.53* | |
| | | *For Work In Restricted Working Space, Add* | *33.20* | |
| **22 13 16 00-0224** | | **Bell And Spigot Cast Iron Running Traps With Single Vent** *(22 13 16 00-0030)* | | |
| 22 13 16 00-0225 | EA | 3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent | 224.39 | 74.70 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *5.67* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 13 16 00-0226 | EA | 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent | 299.65 | 98.20 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.43* | |
| | | *For Work In Restricted Working Space, Add* | *44.59* | |
| 22 13 16 00-0227 | EA | 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent | 414.22 | 114.96 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *8.69* | |
| | | *For Work In Restricted Working Space, Add* | *52.13* | |
| 22 13 16 00-0228 | EA | 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent | 844.27 | 130.26 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.85* | |
| | | *For Work In Restricted Working Space, Add* | *59.12* | |
| 22 13 16 00-0229 | EA | 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent | 2,801.51 | 153.03 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *11.60* | |
| | | *For Work In Restricted Working Space, Add* | *69.61* | |
| 22 13 16 00-0230 | EA | 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent | 3,032.77 | 170.74 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *12.91* | |
| | | *For Work In Restricted Working Space, Add* | *77.44* | |
| **22 13 16 00-0231** | | **Bell And Spigot Cast Running Traps With Double Vent** *(22 13 16 00-0030)* | | |
| 22 13 16 00-0232 | EA | 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent | 285.83 | 103.16 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *7.81* | |
| | | *For Work In Restricted Working Space, Add* | *46.87* | |
| 22 13 16 00-0233 | EA | 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent | 392.13 | 130.21 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *9.89* | |
| | | *For Work In Restricted Working Space, Add* | *59.31* | |
| 22 13 16 00-0234 | EA | 6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent | 939.21 | 160.98 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *12.21* | |
| | | *For Work In Restricted Working Space, Add* | *73.26* | |
| 22 13 16 00-0235 | EA | 6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent | 1,088.40 | 194.86 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *14.76* | |
| | | *For Work In Restricted Working Space, Add* | *88.58* | |
| 22 13 16 00-0236 | EA | 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent | 3,014.80 | 185.54 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *14.07* | |
| | | *For Work In Restricted Working Space, Add* | *84.44* | |
| 22 13 16 00-0237 | EA | 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent | 3,306.21 | 220.32 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *16.66* | |
| | | *For Work In Restricted Working Space, Add* | *99.98* | |
| 22 13 16 00-0238 | EA | 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent | 4,402.17 | 254.23 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *19.28* | |
| | | *For Work In Restricted Working Space, Add* | *115.70* | |
| 22 13 16 00-0239 | EA | 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent | 6,100.40 | 293.93 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *22.26* | |
| | | *For Work In Restricted Working Space, Add* | *133.58* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0240 | EA | 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent | 11,904.86 | 339.97 |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *25.77* | |
| | | *For Work In Restricted Working Space, Add* | *154.59* | |

## 22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings *(22 13 16 00-0030)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0242 | EA | 2" Bell And Spigot Cast Iron Scission Joint Fitting | 178.80 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.31* | |
| | | *For Work In Restricted Working Space, Add* | *13.87* | |
| 22 13 16 00-0243 | EA | 3" Bell And Spigot Cast Iron Scission Joint Fitting | 248.09 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.60* | |
| | | *For Work In Restricted Working Space, Add* | *15.59* | |
| 22 13 16 00-0244 | EA | 4" Bell And Spigot Cast Iron Scission Joint Fitting | 285.30 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.88* | |
| 22 13 16 00-0245 | EA | 5" Bell And Spigot Cast Iron Scission Joint Fitting | 352.95 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *4.04* | |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 13 16 00-0246 | EA | 6" Bell And Spigot Cast Iron Scission Joint Fitting | 428.69 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *4.88* | |
| | | *For Work In Restricted Working Space, Add* | *29.30* | |
| 22 13 16 00-0247 | EA | 8" Bell And Spigot Cast Iron Scission Joint Fitting | 819.57 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *6.17* | |
| | | *For Work In Restricted Working Space, Add* | *37.03* | |

## 22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe *(22 13 16 00-0019)*

Note: For use when connecting pipe to an existing in-place system.

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0249 | EA | 2", Cut And Prepare Existing In-Place Cast Iron Pipe | 12.88 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *0.64* | |
| | | *For Work In Restricted Working Space, Add* | *3.86* | |
| 22 13 16 00-0250 | EA | 3", Cut And Prepare Existing In-Place Cast Iron Pipe | 14.05 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *0.70* | |
| | | *For Work In Restricted Working Space, Add* | *4.22* | |
| 22 13 16 00-0251 | EA | 4", Cut And Prepare Existing In-Place Cast Iron Pipe | 17.56 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *0.88* | |
| | | *For Work In Restricted Working Space, Add* | *5.27* | |
| 22 13 16 00-0252 | EA | 6", Cut And Prepare Existing In-Place Cast Iron Pipe | 21.07 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *1.05* | |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 13 16 00-0253 | EA | 8", Cut And Prepare Existing In-Place Cast Iron Pipe | 28.09 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *1.40* | |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 13 16 00-0254 | EA | 10", Cut And Prepare Existing In-Place Cast Iron Pipe | 32.77 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *1.64* | |
| | | *For Work In Restricted Working Space, Add* | *9.83* | |
| 22 13 16 00-0255 | EA | 12", Cut And Prepare Existing In-Place Cast Iron Pipe | 38.63 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *1.93* | |
| | | *For Work In Restricted Working Space, Add* | *11.59* | |
| 22 13 16 00-0256 | EA | 15", Cut And Prepare Existing In-Place Cast Iron Pipe | 44.48 | |
| | | *For Above Ground Cast Iron Pipe Installation, Add* | *2.22* | |
| | | *For Work In Restricted Working Space, Add* | *13.34* | |

## 22 13 16 00-0257 Joint Material *(22 13 16 00-0019)*

Note: Labor costs are included in the installation costs for fittings.

| | | | |
|---|---|---|---|
| 22 13 16 00-0258 | LB | Lead (1 Lb./Diameter Inch) Joint Material | 6.73 |
| 22 13 16 00-0259 | LB | Oakum (1/8 Lb./Diameter Inch) Joint Material | 12.82 |
| 22 13 16 00-0260 | EA | 2" Dual Tite Rubber Gasket | 3.32 |
| 22 13 16 00-0261 | EA | 3" Dual Tite Rubber Gasket | 4.55 |
| 22 13 16 00-0262 | EA | 4" Dual Tite Rubber Gasket | 5.65 |
| 22 13 16 00-0263 | EA | 6" Dual Tite Rubber Gasket | 9.38 |
| 22 13 16 00-0264 | EA | 8" Dual Tite Rubber Gasket | 20.68 |
| 22 13 16 00-0265 | EA | 10" Dual Tite Rubber Gasket | 31.72 |
| 22 13 16 00-0266 | EA | 12" Dual Tite Rubber Gasket | 40.40 |
| 22 13 16 00-0267 | EA | 15" Dual Tite Rubber Gasket | 47.99 |

## 22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service Weight. Excludes hangers.

## 22 13 16 00-0269 No Hub Cast Iron Pipe *(22 13 16 00-0268)*

Note: Excludes couplings.

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0270 | LF | 1-1/2" No Hub Cast Iron Pipe | 21.57 | 6.47 |
| | | *For Below Ground Installation, Add* | *0.49* | |
| | | *For Work In Restricted Working Space, Add* | *2.91* | |
| 22 13 16 00-0271 | LF | 2" No Hub Cast Iron Pipe | 22.87 | 6.90 |
| | | *For Below Ground Installation, Add* | *0.52* | |
| | | *For Work In Restricted Working Space, Add* | *3.13* | |
| 22 13 16 00-0272 | LF | 3" No Hub Cast Iron Pipe | 32.32 | 10.02 |
| | | *For Below Ground Installation, Add* | *0.75* | |
| | | *For Work In Restricted Working Space, Add* | *4.52* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0273 | LF | 4" No Hub Cast Iron Pipe | 41.92 | 13.04 |
| | | *For Below Ground Installation, Add* | *0.98* | |
| | | *For Work In Restricted Working Space, Add* | *5.88* | |
| 22 13 16 00-0274 | LF | 5" No Hub Cast Iron Pipe | 55.31 | 16.15 |
| | | *For Below Ground Installation, Add* | *1.21* | |
| | | *For Work In Restricted Working Space, Add* | *7.27* | |
| 22 13 16 00-0275 | LF | 6" No Hub Cast Iron Pipe | 64.85 | 17.63 |
| | | *For Below Ground Installation, Add* | *1.32* | |
| | | *For Work In Restricted Working Space, Add* | *7.92* | |
| 22 13 16 00-0276 | LF | 8" No Hub Cast Iron Pipe | 99.33 | 25.22 |
| | | *For Below Ground Installation, Add* | *1.89* | |
| | | *For Work In Restricted Working Space, Add* | *11.32* | |
| 22 13 16 00-0277 | LF | 10" No Hub Cast Iron Pipe | 145.03 | 28.66 |
| | | *For Below Ground Installation, Add* | *2.15* | |
| | | *For Work In Restricted Working Space, Add* | *12.88* | |

## 22 13 16 00-0278 No Hub Cast Iron Fittings *(22 13 16 00-0268)*

## 22 13 16 00-0279 No Hub Cast Iron Long Sweeps *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0280 | EA | 1-1/2" No Hub Cast Iron Long Sweep | 71.22 | 29.32 |
| | | *For Below Ground Installation, Add* | *2.20* | |
| | | *For Work In Restricted Working Space, Add* | *13.20* | |
| 22 13 16 00-0281 | EA | 2" No Hub Cast Iron Long Sweep | 73.77 | 30.61 |
| | | *For Below Ground Installation, Add* | *2.29* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 13 16 00-0282 | EA | 3" No Hub Cast Iron Long Sweep | 87.55 | 35.03 |
| | | *For Below Ground Installation, Add* | *2.63* | |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 13 16 00-0283 | EA | 4" No Hub Cast Iron Long Sweep | 121.66 | 46.35 |
| | | *For Below Ground Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0284 | EA | 5" No Hub Cast Iron Long Sweep | 175.86 | 53.30 |
| | | *For Below Ground Installation, Add* | *3.99* | |
| | | *For Work In Restricted Working Space, Add* | *23.97* | |
| 22 13 16 00-0285 | EA | 6" No Hub Cast Iron Long Sweep | 208.47 | 63.55 |
| | | *For Below Ground Installation, Add* | *4.77* | |
| | | *For Work In Restricted Working Space, Add* | *28.61* | |
| 22 13 16 00-0286 | EA | 8" No Hub Cast Iron Long Sweep | 431.92 | 81.77 |
| | | *For Below Ground Installation, Add* | *6.13* | |
| | | *For Work In Restricted Working Space, Add* | *36.79* | |

## 22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0288 | EA | 3" x 2" No Hub Cast Iron Reducing Long Sweep | 116.36 | 35.03 |
| | | *For Below Ground Installation, Add* | *2.63* | |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 13 16 00-0289 | EA | 4" x 3" No Hub Cast Iron Reducing Long Sweep | 176.57 | 46.35 |
| | | *For Below Ground Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |

## 22 13 16 00-0290 No Hub Cast Iron Short Sweeps *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0291 | EA | 2" No Hub Cast Iron Short Sweep | 67.98 | 30.61 |
| | | *For Below Ground Installation, Add* | *2.29* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 13 16 00-0292 | EA | 3" No Hub Cast Iron Short Sweep | 82.97 | 35.03 |
| | | *For Below Ground Installation, Add* | *2.63* | |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 13 16 00-0293 | EA | 4" No Hub Cast Iron Short Sweep | 119.26 | 46.35 |
| | | *For Below Ground Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0294 | EA | 5" No Hub Cast Iron Short Sweep | 176.76 | 53.30 |
| | | *For Below Ground Installation, Add* | *3.99* | |
| | | *For Work In Restricted Working Space, Add* | *23.97* | |
| 22 13 16 00-0295 | EA | 6" No Hub Cast Iron Short Sweep | 194.41 | 63.55 |
| | | *For Below Ground Installation, Add* | *4.77* | |
| | | *For Work In Restricted Working Space, Add* | *28.61* | |
| 22 13 16 00-0296 | EA | 8" No Hub Cast Iron Short Sweep | 389.42 | 81.77 |
| | | *For Below Ground Installation, Add* | *6.13* | |
| | | *For Work In Restricted Working Space, Add* | *36.79* | |
| 22 13 16 00-0297 | EA | 10" No Hub Cast Iron Short Sweep | 640.96 | 114.51 |
| | | *For Below Ground Installation, Add* | *8.59* | |
| | | *For Work In Restricted Working Space, Add* | *51.51* | |

## 22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0299 | EA | 1-1/2" No Hub Cast Iron 1/4 Bend | 61.15 | 29.32 |
| | | *For Below Ground Installation, Add* | *2.20* | |
| | | *For Work In Restricted Working Space, Add* | *13.20* | |
| 22 13 16 00-0300 | EA | 2" No Hub Cast Iron 1/4 Bend | 64.00 | 30.61 |
| | | *For Below Ground Installation, Add* | *2.29* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0301 | EA | 3" No Hub Cast Iron 1/4 Bend | 76.50 | 35.03 |
| | | *For Below Ground Installation, Add* | *2.63* | |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 13 16 00-0302 | EA | 4" No Hub Cast Iron 1/4 Bend | 104.97 | 46.35 |
| | | *For Below Ground Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0303 | EA | 5" No Hub Cast Iron 1/4 Bend | 159.01 | 53.30 |
| | | *For Below Ground Installation, Add* | *3.99* | |
| | | *For Work In Restricted Working Space, Add* | *23.97* | |
| 22 13 16 00-0304 | EA | 6" No Hub Cast Iron 1/4 Bend | 183.05 | 63.55 |
| | | *For Below Ground Installation, Add* | *4.77* | |
| | | *For Work In Restricted Working Space, Add* | *28.61* | |
| 22 13 16 00-0305 | EA | 8" No Hub Cast Iron 1/4 Bend | 356.33 | 81.77 |
| | | *For Below Ground Installation, Add* | *6.13* | |
| | | *For Work In Restricted Working Space, Add* | *36.79* | |

## 22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0307 | EA | 1-1/2" No Hub Cast Iron 1/8 Bend | 57.46 | 29.32 |
| | | *For Below Ground Installation, Add* | *2.20* | |
| | | *For Work In Restricted Working Space, Add* | *13.20* | |
| 22 13 16 00-0308 | EA | 2" No Hub Cast Iron 1/8 Bend | 59.63 | 30.61 |
| | | *For Below Ground Installation, Add* | *2.29* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 13 16 00-0309 | EA | 3" No Hub Cast Iron 1/8 Bend | 72.21 | 35.03 |
| | | *For Below Ground Installation, Add* | *2.63* | |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 13 16 00-0310 | EA | 4" No Hub Cast Iron 1/8 Bend | 95.34 | 46.35 |
| | | *For Below Ground Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0311 | EA | 6" No Hub Cast Iron 1/8 Bend | 161.54 | 68.45 |
| | | *For Below Ground Installation, Add* | *5.13* | |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 13 16 00-0312 | EA | 8" No Hub Cast Iron 1/8 Bend | 291.48 | 89.90 |
| | | *For Below Ground Installation, Add* | *6.74* | |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 13 16 00-0313 | EA | 10" No Hub Cast Iron 1/8 Bend | 461.49 | 110.59 |
| | | *For Below Ground Installation, Add* | *8.29* | |
| | | *For Work In Restricted Working Space, Add* | *49.75* | |

## 22 13 16 00-0314 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0315 | EA | 1-1/2" No Hub Cast Iron Wye | 93.02 | 46.13 |
| | | *For Below Ground Installation, Add* | *3.46* | |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| 22 13 16 00-0316 | EA | 2" No Hub Cast Iron Wye | 117.95 | 62.52 |
| | | *For Below Ground Installation, Add* | *4.69* | |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 13 16 00-0317 | EA | 3" No Hub Cast Iron Wye | 135.74 | 68.45 |
| | | *For Below Ground Installation, Add* | *5.13* | |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 13 16 00-0318 | EA | 4" No Hub Cast Iron Wye | 188.44 | 89.90 |
| | | *For Below Ground Installation, Add* | *6.74* | |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 13 16 00-0319 | EA | 5" No Hub Cast Iron Wye | 271.76 | 103.77 |
| | | *For Below Ground Installation, Add* | *7.78* | |
| | | *For Work In Restricted Working Space, Add* | *46.67* | |
| 22 13 16 00-0320 | EA | 6" No Hub Cast Iron Wye | 322.45 | 123.19 |
| | | *For Below Ground Installation, Add* | *9.24* | |
| | | *For Work In Restricted Working Space, Add* | *55.42* | |
| 22 13 16 00-0321 | EA | 8" No Hub Cast Iron Wye | 568.86 | 163.66 |
| | | *For Below Ground Installation, Add* | *12.26* | |
| | | *For Work In Restricted Working Space, Add* | *73.59* | |
| 22 13 16 00-0322 | EA | 10" No Hub Cast Iron Wye | 973.15 | 181.79 |
| | | *For Below Ground Installation, Add* | *13.63* | |
| | | *For Work In Restricted Working Space, Add* | *81.76* | |

## 22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0324 | EA | 3" x 1-1/2" No Hub Cast Iron Reducing Wye | 115.56 | 59.71 |
| | | *For Below Ground Installation, Add* | *4.47* | |
| | | *For Work In Restricted Working Space, Add* | *26.84* | |
| 22 13 16 00-0325 | EA | 3" x 2" No Hub Cast Iron Reducing Wye | 128.75 | 68.45 |
| | | *For Below Ground Installation, Add* | *5.13* | |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 13 16 00-0326 | EA | 4" x 2" No Hub Cast Iron Reducing Wye | 146.85 | 75.67 |
| | | *For Below Ground Installation, Add* | *5.67* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 13 16 00-0327 | EA | 4" x 3" No Hub Cast Iron Reducing Wye | 170.82 | 84.08 |
| | | *For Below Ground Installation, Add* | *6.30* | |
| | | *For Work In Restricted Working Space, Add* | *37.82* | |
| 22 13 16 00-0328 | EA | 6" x 2" No Hub Cast Iron Reducing Wye | 231.46 | 104.82 |
| | | *For Below Ground Installation, Add* | *7.86* | |
| | | *For Work In Restricted Working Space, Add* | *47.17* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0329 | EA | 6" x 3" No Hub Cast Iron Reducing Wye | 247.92 | 109.57 |
| | | *For Below Ground Installation, Add* | *8.21* | |
| | | *For Work In Restricted Working Space, Add* | *49.26* | |
| 22 13 16 00-0330 | EA | 6" x 4" No Hub Cast Iron Reducing Wye | 283.61 | 128.04 |
| | | *For Below Ground Installation, Add* | *9.60* | |
| | | *For Work In Restricted Working Space, Add* | *57.58* | |
| 22 13 16 00-0331 | EA | 8" x 4" No Hub Cast Iron Reducing Wye | 378.17 | 128.67 |
| | | *For Below Ground Installation, Add* | *9.65* | |
| | | *For Work In Restricted Working Space, Add* | *57.88* | |
| 22 13 16 00-0332 | EA | 8" x 6" No Hub Cast Iron Reducing Wye | 440.78 | 141.44 |
| | | *For Below Ground Installation, Add* | *10.60* | |
| | | *For Work In Restricted Working Space, Add* | *63.59* | |
| 22 13 16 00-0333 | EA | 10" x 4" No Hub Cast Iron Reducing Wye | 710.44 | 150.67 |
| | | *For Below Ground Installation, Add* | *11.30* | |
| | | *For Work In Restricted Working Space, Add* | *67.78* | |
| 22 13 16 00-0334 | EA | 10" x 6" No Hub Cast Iron Reducing Wye | 748.78 | 161.29 |
| | | *For Below Ground Installation, Add* | *12.09* | |
| | | *For Work In Restricted Working Space, Add* | *72.55* | |
| 22 13 16 00-0335 | EA | 10" x 8" No Hub Cast Iron Reducing Wye | 866.98 | 172.24 |
| | | *For Below Ground Installation, Add* | *12.91* | |
| | | *For Work In Restricted Working Space, Add* | *77.46* | |

## 22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0337 | EA | 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend | 104.66 | 53.68 |
| | | *For Below Ground Installation, Add* | *4.02* | |
| | | *For Work In Restricted Working Space, Add* | *24.13* | |
| 22 13 16 00-0338 | EA | 2" No Hub Cast Iron Combination Wye And 1/8 Bend | 118.93 | 62.52 |
| | | *For Below Ground Installation, Add* | *4.69* | |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 13 16 00-0339 | EA | 3" No Hub Cast Iron Combination Wye And 1/8 Bend | 143.11 | 68.45 |
| | | *For Below Ground Installation, Add* | *5.13* | |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 13 16 00-0340 | EA | 4" No Hub Cast Iron Combination Wye And 1/8 Bend | 209.28 | 89.90 |
| | | *For Below Ground Installation, Add* | *6.74* | |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 13 16 00-0341 | EA | 6" No Hub Cast Iron Combination Wye And 1/8 Bend | 394.95 | 138.29 |
| | | *For Below Ground Installation, Add* | *10.36* | |
| | | *For Work In Restricted Working Space, Add* | *62.19* | |
| 22 13 16 00-0342 | EA | 8" No Hub Cast Iron Combination Wye And 1/8 Bend | 736.85 | 177.42 |
| | | *For Below Ground Installation, Add* | *13.30* | |
| | | *For Work In Restricted Working Space, Add* | *79.81* | |
| 22 13 16 00-0343 | EA | 10" No Hub Cast Iron Combination Wye And 1/8 Bend | 862.20 | 214.50 |
| | | *For Below Ground Installation, Add* | *16.08* | |
| | | *For Work In Restricted Working Space, Add* | *96.47* | |

## 22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0345 | EA | 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend | 120.13 | 62.52 |
| | | *For Below Ground Installation, Add* | *4.69* | |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 13 16 00-0346 | EA | 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend | 132.43 | 68.45 |
| | | *For Below Ground Installation, Add* | *5.13* | |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 13 16 00-0347 | EA | 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend | 154.23 | 75.67 |
| | | *For Below Ground Installation, Add* | *5.67* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 13 16 00-0348 | EA | 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend | 177.97 | 84.08 |
| | | *For Below Ground Installation, Add* | *6.30* | |
| | | *For Work In Restricted Working Space, Add* | *37.82* | |
| 22 13 16 00-0349 | EA | 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend | 252.89 | 104.82 |
| | | *For Below Ground Installation, Add* | *7.86* | |
| | | *For Work In Restricted Working Space, Add* | *47.17* | |
| 22 13 16 00-0350 | EA | 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend | 285.38 | 109.57 |
| | | *For Below Ground Installation, Add* | *8.21* | |
| | | *For Work In Restricted Working Space, Add* | *49.26* | |
| 22 13 16 00-0351 | EA | 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend | 316.41 | 128.04 |
| | | *For Below Ground Installation, Add* | *9.60* | |
| | | *For Work In Restricted Working Space, Add* | *57.58* | |
| 22 13 16 00-0352 | EA | 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend | 439.47 | 128.67 |
| | | *For Below Ground Installation, Add* | *9.65* | |
| | | *For Work In Restricted Working Space, Add* | *57.88* | |
| 22 13 16 00-0353 | EA | 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend | 580.90 | 141.44 |
| | | *For Below Ground Installation, Add* | *10.60* | |
| | | *For Work In Restricted Working Space, Add* | *63.59* | |

## 22 13 16 00-0354 No Hub Cast Iron Double Wyes *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0355 | EA | 2" No Hub Cast Iron Double Wye | 150.30 | 77.71 |
| | | *For Below Ground Installation, Add* | *5.83* | |
| | | *For Work In Restricted Working Space, Add* | *34.96* | |
| 22 13 16 00-0356 | EA | 3" No Hub Cast Iron Double Wye | 204.11 | 94.65 |
| | | *For Below Ground Installation, Add* | *7.09* | |
| | | *For Work In Restricted Working Space, Add* | *42.55* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0357 | EA | 4" No Hub Cast Iron Double Wye | 283.25 | 103.48 |
| | | *For Below Ground Installation, Add* | *7.75* | |
| | | *For Work In Restricted Working Space, Add* | *46.53* | |
| 22 13 16 00-0358 | EA | 6" No Hub Cast Iron Double Wye | 453.56 | 155.28 |
| | | *For Below Ground Installation, Add* | *11.64* | |
| | | *For Work In Restricted Working Space, Add* | *69.82* | |
| 22 13 16 00-0359 | EA | 8" No Hub Cast Iron Double Wye | 910.21 | 208.19 |
| | | *For Below Ground Installation, Add* | *15.61* | |
| | | *For Work In Restricted Working Space, Add* | *93.66* | |

### 22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0361 | EA | 3" x 2" No Hub Cast Iron Double Wye | 182.49 | 86.12 |
| | | *For Below Ground Installation, Add* | *6.45* | |
| | | *For Work In Restricted Working Space, Add* | *38.73* | |
| 22 13 16 00-0362 | EA | 4" x 2" No Hub Cast Iron Double Wye | 220.43 | 99.17 |
| | | *For Below Ground Installation, Add* | *7.43* | |
| | | *For Work In Restricted Working Space, Add* | *44.60* | |
| 22 13 16 00-0363 | EA | 4" x 3" No Hub Cast Iron Double Wye | 243.02 | 108.11 |
| | | *For Below Ground Installation, Add* | *8.10* | |
| | | *For Work In Restricted Working Space, Add* | *48.63* | |
| 22 13 16 00-0364 | EA | 6" x 4" No Hub Cast Iron Double Wye | 384.33 | 136.91 |
| | | *For Below Ground Installation, Add* | *10.26* | |
| | | *For Work In Restricted Working Space, Add* | *61.58* | |

### 22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0366 | EA | 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend | 199.17 | 93.35 |
| | | *For Below Ground Installation, Add* | *7.00* | |
| | | *For Work In Restricted Working Space, Add* | *41.99* | |
| 22 13 16 00-0367 | EA | 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend | 246.77 | 103.48 |
| | | *For Below Ground Installation, Add* | *7.75* | |
| | | *For Work In Restricted Working Space, Add* | *46.53* | |
| 22 13 16 00-0368 | EA | 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend | 380.42 | 137.00 |
| | | *For Below Ground Installation, Add* | *10.27* | |
| | | *For Work In Restricted Working Space, Add* | *61.60* | |
| 22 13 16 00-0369 | EA | 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend | 521.47 | 211.48 |
| | | *For Below Ground Installation, Add* | *15.85* | |
| | | *For Work In Restricted Working Space, Add* | *95.11* | |

### 22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0371 | EA | 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend | 189.10 | 80.30 |
| | | *For Below Ground Installation, Add* | *6.02* | |
| | | *For Work In Restricted Working Space, Add* | *36.13* | |
| 22 13 16 00-0372 | EA | 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend | 219.11 | 93.35 |
| | | *For Below Ground Installation, Add* | *7.00* | |
| | | *For Work In Restricted Working Space, Add* | *41.99* | |
| 22 13 16 00-0373 | EA | 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend | 267.90 | 101.97 |
| | | *For Below Ground Installation, Add* | *7.65* | |
| | | *For Work In Restricted Working Space, Add* | *45.87* | |

### 22 13 16 00-0374 No Hub Cast Iron Sanitary Tees *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0375 | EA | 1-1/2" No Hub Cast Iron Sanitary Tee | 90.50 | 45.17 |
| | | *For Below Ground Installation, Add* | *3.39* | |
| | | *For Work In Restricted Working Space, Add* | *20.34* | |
| 22 13 16 00-0376 | EA | 2" No Hub Cast Iron Sanitary Tee | 119.15 | 62.52 |
| | | *For Below Ground Installation, Add* | *4.69* | |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 13 16 00-0377 | EA | 3" No Hub Cast Iron Sanitary Tee | 133.04 | 68.45 |
| | | *For Below Ground Installation, Add* | *5.13* | |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 13 16 00-0378 | EA | 4" No Hub Cast Iron Sanitary Tee | 182.28 | 89.90 |
| | | *For Below Ground Installation, Add* | *6.74* | |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 13 16 00-0379 | EA | 5" No Hub Cast Iron Sanitary Tee | 273.04 | 103.77 |
| | | *For Below Ground Installation, Add* | *7.78* | |
| | | *For Work In Restricted Working Space, Add* | *46.67* | |
| 22 13 16 00-0380 | EA | 6" No Hub Cast Iron Sanitary Tee | 321.54 | 123.19 |
| | | *For Below Ground Installation, Add* | *9.24* | |
| | | *For Work In Restricted Working Space, Add* | *55.42* | |
| 22 13 16 00-0381 | EA | 8" No Hub Cast Iron Sanitary Tee | 644.90 | 163.66 |
| | | *For Below Ground Installation, Add* | *12.26* | |
| | | *For Work In Restricted Working Space, Add* | *73.59* | |

### 22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0383 | EA | 2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee | 101.86 | 50.99 |
| | | *For Below Ground Installation, Add* | *3.82* | |
| | | *For Work In Restricted Working Space, Add* | *22.93* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0384 | EA | 3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee | 117.67 | 59.71 |
| | | *For Below Ground Installation, Add* | *4.47* | |
| | | *For Work In Restricted Working Space, Add* | *26.84* | |
| 22 13 16 00-0385 | EA | 3" x 2" No Hub Cast Iron Reducing Sanitary Tee | 121.94 | 62.52 |
| | | *For Below Ground Installation, Add* | *4.69* | |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 13 16 00-0386 | EA | 3" x 4" No Hub Cast Iron Reducing Sanitary Tee | 151.04 | 62.52 |
| | | *For Below Ground Installation, Add* | *4.69* | |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 13 16 00-0387 | EA | 4" x 2" No Hub Cast Iron Reducing Sanitary Tee | 162.99 | 84.61 |
| | | *For Below Ground Installation, Add* | *6.34* | |
| | | *For Work In Restricted Working Space, Add* | *38.04* | |
| 22 13 16 00-0388 | EA | 4" x 3" No Hub Cast Iron Reducing Sanitary Tee | 170.06 | 84.61 |
| | | *For Below Ground Installation, Add* | *6.34* | |
| | | *For Work In Restricted Working Space, Add* | *38.04* | |
| 22 13 16 00-0389 | EA | 5" x 2" No Hub Cast Iron Reducing Sanitary Tee | 231.80 | 98.59 |
| | | *For Below Ground Installation, Add* | *7.39* | |
| | | *For Work In Restricted Working Space, Add* | *44.34* | |
| 22 13 16 00-0390 | EA | 5" x 3" No Hub Cast Iron Reducing Sanitary Tee | 241.66 | 98.59 |
| | | *For Below Ground Installation, Add* | *7.39* | |
| | | *For Work In Restricted Working Space, Add* | *44.34* | |
| 22 13 16 00-0391 | EA | 5" x 4" No Hub Cast Iron Reducing Sanitary Tee | 242.86 | 98.59 |
| | | *For Below Ground Installation, Add* | *7.39* | |
| | | *For Work In Restricted Working Space, Add* | *44.34* | |
| 22 13 16 00-0392 | EA | 6" x 4" No Hub Cast Iron Reducing Sanitary Tee | 251.80 | 102.71 |
| | | *For Below Ground Installation, Add* | *7.70* | |
| | | *For Work In Restricted Working Space, Add* | *46.19* | |
| 22 13 16 00-0393 | EA | 8" x 6" No Hub Cast Iron Reducing Sanitary Tee | 504.64 | 138.01 |
| | | *For Below Ground Installation, Add* | *10.34* | |
| | | *For Work In Restricted Working Space, Add* | *62.06* | |

## 22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0395 | EA | 2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee | 71.37 | 30.61 |
| | | *For Below Ground Installation, Add* | *2.29* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 13 16 00-0396 | EA | 3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee | 83.19 | 35.03 |
| | | *For Below Ground Installation, Add* | *2.63* | |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 13 16 00-0397 | EA | 4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee | 100.83 | 46.35 |
| | | *For Below Ground Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |

## 22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0399 | EA | 2" No Hub Cast Iron Cleanout Tee | 66.93 | 30.61 |
| | | *For Below Ground Installation, Add* | *2.29* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 13 16 00-0400 | EA | 3" No Hub Cast Iron Cleanout Tee | 86.43 | 35.03 |
| | | *For Below Ground Installation, Add* | *2.63* | |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 13 16 00-0401 | EA | 4" No Hub Cast Iron Cleanout Tee | 129.03 | 46.35 |
| | | *For Below Ground Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0402 | EA | 6" No Hub Cast Iron Cleanout Tee | 218.70 | 68.45 |
| | | *For Below Ground Installation, Add* | *5.13* | |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |

## 22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0404 | EA | 4" No Hub Cast Iron Single Two-Way Cleanout Tee | 304.62 | 89.90 |
| | | *For Below Ground Installation, Add* | *6.74* | |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 13 16 00-0405 | EA | 4" No Hub Cast Iron Double Two-Way Cleanout Tee | 362.55 | 136.57 |
| | | *For Below Ground Installation, Add* | *10.24* | |
| | | *For Work In Restricted Working Space, Add* | *61.44* | |

## 22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0407 | EA | 2" No Hub Cast Iron Cleanout Plug | 54.82 | 30.61 |
| | | *For Below Ground Installation, Add* | *2.29* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 13 16 00-0408 | EA | 3" No Hub Cast Iron Cleanout Plug | 66.65 | 35.03 |
| | | *For Below Ground Installation, Add* | *2.63* | |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 13 16 00-0409 | EA | 4" No Hub Cast Iron Cleanout Plug | 96.24 | 46.35 |
| | | *For Below Ground Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0410 | EA | 6" No Hub Cast Iron Cleanout Plug | 152.52 | 68.45 |
| | | *For Below Ground Installation, Add* | *5.13* | |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 13 16 00-0411 | EA | 8" No Hub Cast Iron Cleanout Plug | 203.26 | 89.90 |
| | | *For Below Ground Installation, Add* | *6.74* | |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0413 | EA | 1-1/2" No Hub Cast Iron Sanitary Cross | 121.27 | 60.37 |
| | | *For Below Ground Installation, Add* | *4.53* | |
| | | *For Work In Restricted Working Space, Add* | *27.17* | |
| 22 13 16 00-0414 | EA | 2" No Hub Cast Iron Sanitary Cross | 132.09 | 62.52 |
| | | *For Below Ground Installation, Add* | *4.69* | |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 13 16 00-0415 | EA | 3" No Hub Cast Iron Sanitary Cross | 163.05 | 68.45 |
| | | *For Below Ground Installation, Add* | *5.13* | |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 13 16 00-0416 | EA | 4" No Hub Cast Iron Sanitary Cross | 248.24 | 89.90 |
| | | *For Below Ground Installation, Add* | *6.74* | |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |

### 22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0418 | EA | 3" x 2" No Hub Cast Iron Sanitary Cross | 174.72 | 80.30 |
| | | *For Below Ground Installation, Add* | *6.02* | |
| | | *For Work In Restricted Working Space, Add* | *36.12* | |
| 22 13 16 00-0419 | EA | 4" x 2" No Hub Cast Iron Sanitary Cross | 200.68 | 82.68 |
| | | *For Below Ground Installation, Add* | *6.20* | |
| | | *For Work In Restricted Working Space, Add* | *37.19* | |
| 22 13 16 00-0420 | EA | 4" x 3" No Hub Cast Iron Sanitary Cross | 221.96 | 86.35 |
| | | *For Below Ground Installation, Add* | *6.47* | |
| | | *For Work In Restricted Working Space, Add* | *38.81* | |

### 22 13 16 00-0421 No Hub Cast Iron Reducers *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0422 | EA | 3" x 2" No Hub Cast Iron Reducer | 106.59 | 62.52 |
| | | *For Below Ground Installation, Add* | *4.69* | |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 13 16 00-0423 | EA | 4" x 2" No Hub Cast Iron Reducer | 146.44 | 84.61 |
| | | *For Below Ground Installation, Add* | *6.34* | |
| | | *For Work In Restricted Working Space, Add* | *38.04* | |
| 22 13 16 00-0424 | EA | 4" x 3" No Hub Cast Iron Reducer | 147.04 | 84.61 |
| | | *For Below Ground Installation, Add* | *6.34* | |
| | | *For Work In Restricted Working Space, Add* | *38.04* | |
| 22 13 16 00-0425 | EA | 5" x 2" No Hub Cast Iron Reducer | 176.60 | 98.59 |
| | | *For Below Ground Installation, Add* | *7.39* | |
| | | *For Work In Restricted Working Space, Add* | *44.34* | |
| 22 13 16 00-0426 | EA | 5" x 3" No Hub Cast Iron Reducer | 180.58 | 98.59 |
| | | *For Below Ground Installation, Add* | *7.39* | |
| | | *For Work In Restricted Working Space, Add* | *44.34* | |
| 22 13 16 00-0427 | EA | 5" x 4" No Hub Cast Iron Reducer | 182.16 | 98.59 |
| | | *For Below Ground Installation, Add* | *7.39* | |
| | | *For Work In Restricted Working Space, Add* | *44.34* | |
| 22 13 16 00-0428 | EA | 6" x 3" No Hub Cast Iron Reducer | 213.93 | 109.57 |
| | | *For Below Ground Installation, Add* | *8.21* | |
| | | *For Work In Restricted Working Space, Add* | *49.26* | |
| 22 13 16 00-0429 | EA | 6" x 4" No Hub Cast Iron Reducer | 214.53 | 109.57 |
| | | *For Below Ground Installation, Add* | *8.21* | |
| | | *For Work In Restricted Working Space, Add* | *49.26* | |
| 22 13 16 00-0430 | EA | 6" x 5" No Hub Cast Iron Reducer | 216.33 | 109.57 |
| | | *For Below Ground Installation, Add* | *8.21* | |
| | | *For Work In Restricted Working Space, Add* | *49.26* | |
| 22 13 16 00-0431 | EA | 8" x 2" No Hub Cast Iron Reducer | 295.20 | 152.71 |
| | | *For Below Ground Installation, Add* | *11.45* | |
| | | *For Work In Restricted Working Space, Add* | *68.68* | |
| 22 13 16 00-0432 | EA | 8" x 3" No Hub Cast Iron Reducer | 299.79 | 152.71 |
| | | *For Below Ground Installation, Add* | *11.45* | |
| | | *For Work In Restricted Working Space, Add* | *68.68* | |
| 22 13 16 00-0433 | EA | 8" x 4" No Hub Cast Iron Reducer | 307.16 | 152.71 |
| | | *For Below Ground Installation, Add* | *11.45* | |
| | | *For Work In Restricted Working Space, Add* | *68.68* | |
| 22 13 16 00-0434 | EA | 8" x 5" No Hub Cast Iron Reducer | 314.83 | 152.71 |
| | | *For Below Ground Installation, Add* | *11.45* | |
| | | *For Work In Restricted Working Space, Add* | *68.68* | |
| 22 13 16 00-0435 | EA | 8" x 6" No Hub Cast Iron Reducer | 315.74 | 152.71 |
| | | *For Below Ground Installation, Add* | *11.45* | |
| | | *For Work In Restricted Working Space, Add* | *68.68* | |
| 22 13 16 00-0436 | EA | 10" x 4" No Hub Cast Iron Reducer | 383.76 | 161.08 |
| | | *For Below Ground Installation, Add* | *12.07* | |
| | | *For Work In Restricted Working Space, Add* | *72.44* | |
| 22 13 16 00-0437 | EA | 10" x 6" No Hub Cast Iron Reducer | 411.64 | 168.16 |
| | | *For Below Ground Installation, Add* | *12.61* | |
| | | *For Work In Restricted Working Space, Add* | *75.66* | |
| 22 13 16 00-0438 | EA | 10" x 8" No Hub Cast Iron Reducer | 464.69 | 182.54 |
| | | *For Below Ground Installation, Add* | *13.68* | |
| | | *For Work In Restricted Working Space, Add* | *82.10* | |

### 22 13 16 00-0439 No Hub Cast Iron Blind Plugs *(22 13 16 00-0278)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0440 | EA | 1-1/2" No Hub Cast Iron Blind Plug | 29.37 | 14.67 |
| | | *For Below Ground Installation, Add* | *1.10* | |
| | | *For Work In Restricted Working Space, Add* | *6.60* | |
| 22 13 16 00-0441 | EA | 2" No Hub Cast Iron Blind Plug | 30.01 | 15.31 |
| | | *For Below Ground Installation, Add* | *1.15* | |
| | | *For Work In Restricted Working Space, Add* | *6.88* | |
| 22 13 16 00-0442 | EA | 3" No Hub Cast Iron Blind Plug | 38.85 | 17.57 |
| | | *For Below Ground Installation, Add* | *1.31* | |
| | | *For Work In Restricted Working Space, Add* | *7.89* | |
| 22 13 16 00-0443 | EA | 4" No Hub Cast Iron Blind Plug | 51.59 | 23.18 |
| | | *For Below Ground Installation, Add* | *1.74* | |
| | | *For Work In Restricted Working Space, Add* | *10.42* | |
| 22 13 16 00-0444 | EA | 5" No Hub Cast Iron Blind Plug | 71.93 | 27.13 |
| | | *For Below Ground Installation, Add* | *2.03* | |
| | | *For Work In Restricted Working Space, Add* | *12.19* | |
| 22 13 16 00-0445 | EA | 6" No Hub Cast Iron Blind Plug | 79.30 | 31.77 |
| | | *For Below Ground Installation, Add* | *2.39* | |
| | | *For Work In Restricted Working Space, Add* | *14.31* | |
| 22 13 16 00-0446 | EA | 8" No Hub Cast Iron Blind Plug | 160.94 | 40.88 |
| | | *For Below Ground Installation, Add* | *3.06* | |
| | | *For Work In Restricted Working Space, Add* | *18.38* | |
| 22 13 16 00-0447 | EA | 10" No Hub Cast Iron Blind Plug | 209.27 | 44.00 |
| | | *For Below Ground Installation, Add* | *3.30* | |
| | | *For Work In Restricted Working Space, Add* | *19.80* | |

## 22 13 16 00-0448 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0449 | EA | 2" No Hub Cast Iron P-Trap | 71.97 | 30.61 |
| | | *For Below Ground Installation, Add* | *2.29* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 13 16 00-0450 | EA | 3" No Hub Cast Iron P-Trap | 112.07 | 35.03 |
| | | *For Below Ground Installation, Add* | *2.63* | |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 13 16 00-0451 | EA | 4" No Hub Cast Iron P-Trap | 172.88 | 46.35 |
| | | *For Below Ground Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0452 | EA | 5" No Hub Cast Iron P-Trap | 316.98 | 53.73 |
| | | *For Below Ground Installation, Add* | *4.03* | |
| | | *For Work In Restricted Working Space, Add* | *24.15* | |
| 22 13 16 00-0453 | EA | 6" No Hub Cast Iron P-Trap | 332.76 | 64.07 |
| | | *For Below Ground Installation, Add* | *4.80* | |
| | | *For Work In Restricted Working Space, Add* | *28.82* | |

## 22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0455 | EA | 2" No Hub Cast Iron Deep Seal P-Trap | 120.54 | 38.91 |
| | | *For Below Ground Installation, Add* | *2.91* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 13 16 00-0456 | EA | 3" No Hub Cast Iron Deep Seal P-Trap | 176.91 | 51.73 |
| | | *For Below Ground Installation, Add* | *3.88* | |
| | | *For Work In Restricted Working Space, Add* | *23.27* | |
| 22 13 16 00-0457 | EA | 4" No Hub Cast Iron Deep Seal P-Trap | 261.85 | 68.33 |
| | | *For Below Ground Installation, Add* | *5.12* | |
| | | *For Work In Restricted Working Space, Add* | *30.72* | |

## 22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0459 | EA | 4" No Hub Cast Iron Closet Flange | 110.91 | 46.35 |
| | | *For Below Ground Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0460 | EA | 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange | 119.49 | 46.35 |
| | | *For Below Ground Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |

## 22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0462 | EA | 4" x 16" No Hub Cast Iron Closet Bend | 231.47 | 46.35 |
| | | *For Below Ground Installation, Add* | *3.48* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |

## 22 13 16 00-0463 No Hub Cast Iron Threaded Adapter *(22 13 16 00-0278)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0464 | EA | 1-1/4" No Hub Cast Iron Threaded Adapter | 80.67 | 38.91 |
| | | *For Below Ground Installation, Add* | *2.91* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 13 16 00-0465 | EA | 1-1/2" No Hub Cast Iron Threaded Adapter | 87.59 | 38.91 |
| | | *For Below Ground Installation, Add* | *2.91* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |

## 22 13 16 00-0466 No Hub Couplings *(22 13 16 00-0278)*

Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0467 | EA | 1-1/2" No Hub Coupling | 9.22 | |
| | | *For Medium Duty (Fernco MD-2000), Add* | *1.20* | |
| | | *For Heavy-Duty (Fernco HD-4000), Add* | *2.49* | |
| 22 13 16 00-0468 | EA | 2" No Hub Coupling | 9.22 | |
| | | *For Medium Duty (Fernco MD-2000), Add* | *1.20* | |
| | | *For Heavy-Duty (Fernco HD-4000), Add* | *2.49* | |
| 22 13 16 00-0469 | EA | 3" No Hub Coupling | 10.95 | |
| | | *For Medium Duty (Fernco MD-2000), Add* | *1.42* | |
| | | *For Heavy-Duty (Fernco HD-4000), Add* | *2.96* | |
| 22 13 16 00-0470 | EA | 4" No Hub Coupling | 13.00 | |
| | | *For Medium Duty (Fernco MD-2000), Add* | *1.69* | |
| | | *For Heavy-Duty (Fernco HD-4000), Add* | *3.51* | |
| 22 13 16 00-0471 | EA | 5" No Hub Coupling | 30.06 | |
| | | *For Medium Duty (Fernco MD-2000), Add* | *3.91* | |
| | | *For Heavy-Duty (Fernco HD-4000), Add* | *8.12* | |
| 22 13 16 00-0472 | EA | 6" No Hub Coupling | 33.03 | |
| | | *For Medium Duty (Fernco MD-2000), Add* | *4.29* | |
| | | *For Heavy-Duty (Fernco HD-4000), Add* | *8.92* | |
| 22 13 16 00-0473 | EA | 8" No Hub Coupling | 62.23 | |
| | | *For Medium Duty (Fernco MD-2000), Add* | *8.09* | |
| | | *For Heavy-Duty (Fernco HD-4000), Add* | *16.80* | |
| 22 13 16 00-0474 | EA | 10" No Hub Coupling | 85.73 | |
| | | *For Medium Duty (Fernco MD-2000), Add* | *11.14* | |
| | | *For Heavy-Duty (Fernco HD-4000), Add* | *23.15* | |
| 22 13 16 00-0475 | EA | 2" x 1-1/2" No Hub Reducing Coupling | 10.95 | |
| 22 13 16 00-0476 | EA | 3" x 2" No Hub Reducing Coupling | 16.98 | |
| 22 13 16 00-0477 | EA | 4" x 2" No Hub Reducing Coupling | 23.69 | |
| 22 13 16 00-0478 | EA | 4" x 3" No Hub Reducing Coupling | 20.19 | |

## 22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts *(22 13 16 00-0278)*

Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0480 | EA | 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts | 49.55 | |
| 22 13 16 00-0481 | EA | 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts | 51.14 | |
| 22 13 16 00-0482 | EA | 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts | 53.70 | |
| 22 13 16 00-0483 | EA | 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts | 62.65 | |
| 22 13 16 00-0484 | EA | 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts | 118.27 | |
| 22 13 16 00-0485 | EA | 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts | 162.38 | |
| 22 13 16 00-0486 | EA | 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts | 284.49 | |
| 22 13 16 00-0487 | EA | 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts | 434.73 | |

## 22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place *(22 13 16 00-0268)*

Note: For use when connecting pipe to an existing in-place system.

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0489 | EA | Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub | 10.53 | |
| | | *For Work In Restricted Working Space, Add* | *3.16* | |
| 22 13 16 00-0490 | EA | Cut And Prepare 2" Cast Iron Pipe, No Hub | 12.88 | |
| | | *For Work In Restricted Working Space, Add* | *3.86* | |
| 22 13 16 00-0491 | EA | Cut And Prepare 3" Cast Iron Pipe, No Hub | 14.05 | |
| | | *For Work In Restricted Working Space, Add* | *4.22* | |
| 22 13 16 00-0492 | EA | Cut And Prepare 4" Cast Iron Pipe, No Hub | 17.56 | |
| | | *For Work In Restricted Working Space, Add* | *5.27* | |
| 22 13 16 00-0493 | EA | Cut And Prepare 6" Cast Iron Pipe, No Hub | 21.07 | |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 22 13 16 00-0494 | EA | Cut And Prepare 8" Cast Iron Pipe, No Hub | 28.09 | |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 22 13 16 00-0495 | EA | Cut And Prepare 10" Cast Iron Pipe, No Hub | 32.78 | |
| | | *For Work In Restricted Working Space, Add* | *9.83* | |

## 22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe *(22 13 16)*

See CSI section 22 11 16 00-0451 for copper and brass fittings.

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0497 | LF | 1-1/4" Hard Drawn DWV Copper Tube/Pipe | 18.18 | 5.06 |
| 22 13 16 00-0498 | LF | 1-1/2" Hard Drawn DWV Copper Tube/Pipe | 21.77 | 5.66 |
| 22 13 16 00-0499 | LF | 2" Hard Drawn DWV Copper Tube/Pipe | 28.08 | 6.98 |
| 22 13 16 00-0500 | LF | 3" Hard Drawn DWV Copper Tube/Pipe | 59.71 | 9.67 |
| 22 13 16 00-0501 | LF | 4" Hard Drawn DWV Copper Tube/Pipe | 84.34 | 10.91 |
| 22 13 16 00-0502 | LF | 5" Hard Drawn DWV Copper Tube/Pipe | 168.96 | 12.52 |
| 22 13 16 00-0503 | LF | 6" Hard Drawn DWV Copper Tube/Pipe | 240.43 | 19.41 |

## 22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation. See CSI section 33 31 11 00-0018 for underground installation.

## 22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0504)*

## 22 13 16 00-0506 Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0505)*

Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available.Not for use where detail is available.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0507 | LF | 1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 13.02 | |
| | | *For Work In Restricted Working Space, Add* | *2.53* | |
| 22 13 16 00-0508 | LF | 2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 15.56 | |
| | | *For Work In Restricted Working Space, Add* | *3.07* | |
| 22 13 16 00-0509 | LF | 3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 25.87 | |
| | | *For Work In Restricted Working Space, Add* | *4.34* | |
| 22 13 16 00-0510 | LF | 4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 33.82 | |
| | | *For Work In Restricted Working Space, Add* | *4.79* | |
| 22 13 16 00-0511 | LF | 6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 62.71 | |
| | | *For Work In Restricted Working Space, Add* | *6.17* | |
| 22 13 16 00-0512 | LF | 8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 89.93 | |
| | | *For Work In Restricted Working Space, Add* | *8.24* | |
| 22 13 16 00-0513 | LF | 10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. | 130.72 | |
| | | *For Work In Restricted Working Space, Add* | *10.98* | |
| 22 13 16 00-0514 | | **Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0505)*<br>Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available. | | |
| 22 13 16 00-0515 | LF | 1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 26.44 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *5.19* | |
| 22 13 16 00-0516 | LF | 2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 29.62 | 5.39 |
| | | *For Work In Restricted Working Space, Add* | *5.77* | |
| 22 13 16 00-0517 | LF | 3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 42.34 | 7.76 |
| | | *For Work In Restricted Working Space, Add* | *7.17* | |
| 22 13 16 00-0518 | LF | 4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 54.10 | 8.41 |
| | | *For Work In Restricted Working Space, Add* | *7.83* | |
| 22 13 16 00-0519 | LF | 6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 86.02 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *10.03* | |
| 22 13 16 00-0520 | LF | 8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 114.34 | 14.33 |
| | | *For Work In Restricted Working Space, Add* | *11.49* | |
| 22 13 16 00-0521 | LF | 10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 160.62 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *14.98* | |
| 22 13 16 00-0522 | | **Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe** *(22 13 16 00-0504)*<br>Note: Excludes fittings or hangers. | | |
| 22 13 16 00-0523 | | **Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)** *(22 13 16 00-0522)*<br>Note: Excludes fittings or hangers. | | |
| 22 13 16 00-0524 | LF | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe | 9.77 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.02* | |
| 22 13 16 00-0525 | LF | 2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe | 12.05 | 5.39 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 13 16 00-0526 | LF | 3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe | 19.54 | 7.76 |
| | | *For Work In Restricted Working Space, Add* | *3.48* | |
| 22 13 16 00-0527 | LF | 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe | 23.78 | 8.41 |
| | | *For Work In Restricted Working Space, Add* | *3.77* | |
| 22 13 16 00-0528 | LF | 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe | 35.83 | 10.55 |
| | | *For Work In Restricted Working Space, Add* | *4.74* | |
| 22 13 16 00-0529 | LF | 8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe | 51.47 | 14.04 |
| | | *For Work In Restricted Working Space, Add* | *6.33* | |
| 22 13 16 00-0530 | LF | 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe | 74.66 | 18.79 |
| | | *For Work In Restricted Working Space, Add* | *8.45* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 13 16 00-0531** | | **Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)** *(22 13 16 00-0522)* | | |
| | | Note: Excludes fittings or hangers. | | |
| 22 13 16 00-0532 | LF | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe | 8.86 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.02* | |
| 22 13 16 00-0533 | LF | 2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe | 10.98 | 5.39 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 13 16 00-0534 | LF | 3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe | 17.51 | 7.76 |
| | | *For Work In Restricted Working Space, Add* | *3.48* | |
| 22 13 16 00-0535 | LF | 4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe | 21.10 | 8.41 |
| | | *For Work In Restricted Working Space, Add* | *3.77* | |
| 22 13 16 00-0536 | LF | 6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe | 30.83 | 10.55 |
| | | *For Work In Restricted Working Space, Add* | *4.74* | |
| 22 13 16 00-0537 | LF | 8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe | 44.44 | 14.04 |
| | | *For Work In Restricted Working Space, Add* | *6.33* | |
| 22 13 16 00-0538 | LF | 10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe | 67.01 | 18.79 |
| | | *For Work In Restricted Working Space, Add* | *8.45* | |
| **22 13 16 00-0539** | | **Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665)** *(22 13 16 00-0504)* | | |
| **22 13 16 00-0540** | | **Polyvinyl Chloride (PVC) DWV 1/4 Bends** *(22 13 16 00-0539)* | | |
| 22 13 16 00-0541 | EA | 1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends | 35.62 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 13 16 00-0542 | EA | 2" Polyvinyl Chloride (PVC) DWV 1/4 Bends | 45.50 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 13 16 00-0543 | EA | 3" Polyvinyl Chloride (PVC) DWV 1/4 Bends | 80.54 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0544 | EA | 4" Polyvinyl Chloride (PVC) DWV 1/4 Bends | 126.45 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0545 | EA | 6" Polyvinyl Chloride (PVC) DWV 1/4 Bends | 511.54 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| 22 13 16 00-0546 | EA | 8" Polyvinyl Chloride (PVC) DWV 1/4 Bends | 850.51 | 62.85 |
| | | *For Work In Restricted Working Space, Add* | *28.29* | |
| 22 13 16 00-0547 | EA | 10" Polyvinyl Chloride (PVC) DWV 1/4 Bends | 1,122.74 | 83.76 |
| | | *For Work In Restricted Working Space, Add* | *37.73* | |
| **22 13 16 00-0548** | | **Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0539)* | | |
| 22 13 16 00-0549 | EA | 1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends | 59.97 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 13 16 00-0550 | EA | 2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends | 59.51 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 13 16 00-0551 | EA | 3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends | 116.56 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0552 | EA | 4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends | 192.50 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0553 | EA | 6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends | 383.96 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| 22 13 16 00-0554 | EA | 8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends | 682.85 | 62.85 |
| | | *For Work In Restricted Working Space, Add* | *28.29* | |
| 22 13 16 00-0555 | EA | 10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends | 1,119.73 | 83.76 |
| | | *For Work In Restricted Working Space, Add* | *37.73* | |
| **22 13 16 00-0556** | | **Polyvinyl Chloride (PVC) DWV 1/8 Bends** *(22 13 16 00-0539)* | | |
| 22 13 16 00-0557 | EA | 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends | 37.62 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 13 16 00-0558 | EA | 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends | 45.33 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 13 16 00-0559 | EA | 3" Polyvinyl Chloride (PVC) DWV 1/8 Bends | 77.54 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0560 | EA | 4" Polyvinyl Chloride (PVC) DWV 1/8 Bends | 111.77 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0561 | EA | 6" Polyvinyl Chloride (PVC) DWV 1/8 Bends | 474.18 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| 22 13 16 00-0562 | EA | 8" Polyvinyl Chloride (PVC) DWV 1/8 Bends | 763.68 | 62.85 |
| | | *For Work In Restricted Working Space, Add* | *28.29* | |
| 22 13 16 00-0563 | EA | 10" Polyvinyl Chloride (PVC) DWV 1/8 Bends | 867.31 | 83.76 |
| | | *For Work In Restricted Working Space, Add* | *37.73* | |
| **22 13 16 00-0564** | | **Polyvinyl Chloride (PVC) DWV Sanitary Tees** *(22 13 16 00-0539)* | | |
| 22 13 16 00-0565 | EA | 1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees | 55.93 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 13 16 00-0566 | EA | 2" Polyvinyl Chloride (PVC) DWV Sanitary Tees | 73.91 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 13 16 00-0567 | EA | 3" Polyvinyl Chloride (PVC) DWV Sanitary Tees | 128.56 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0568 | EA | 4" Polyvinyl Chloride (PVC) DWV Sanitary Tees | 193.43 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0569 | EA | 6" Polyvinyl Chloride (PVC) DWV Sanitary Tees | 759.91 | 69.96 |
| | | *For Work In Restricted Working Space, Add* | *31.53* | |
| 22 13 16 00-0570 | EA | 8" Polyvinyl Chloride (PVC) DWV Sanitary Tees | 987.98 | 94.21 |
| | | *For Work In Restricted Working Space, Add* | *42.44* | |

## 22 13 16 00-0571 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0572 | EA | 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees | 72.21 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 13 16 00-0573 | EA | 2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees | 86.67 | 31.91 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 22 13 16 00-0574 | EA | 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees | 70.15 | 31.91 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 22 13 16 00-0575 | EA | 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees | 105.02 | 39.88 |
| | | *For Work In Restricted Working Space, Add* | *17.95* | |
| 22 13 16 00-0576 | EA | 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees | 106.63 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.08* | |
| 22 13 16 00-0577 | EA | 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees | 128.08 | 44.84 |
| | | *For Work In Restricted Working Space, Add* | *20.21* | |
| 22 13 16 00-0578 | EA | 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees | 223.75 | 47.42 |
| | | *For Work In Restricted Working Space, Add* | *21.35* | |
| 22 13 16 00-0579 | EA | 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees | 284.54 | 51.31 |
| | | *For Work In Restricted Working Space, Add* | *23.12* | |
| 22 13 16 00-0580 | EA | 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees | 730.27 | 64.57 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |
| 22 13 16 00-0581 | EA | 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees | 2,325.60 | 80.73 |
| | | *For Work In Restricted Working Space, Add* | *36.38* | |
| 22 13 16 00-0582 | EA | 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees | 2,404.75 | 86.12 |
| | | *For Work In Restricted Working Space, Add* | *38.81* | |

## 22 13 16 00-0583 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0584 | EA | 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees | 100.60 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0585 | EA | 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees | 137.37 | 45.92 |
| | | *For Work In Restricted Working Space, Add* | *20.70* | |
| 22 13 16 00-0586 | EA | 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees | 284.50 | 61.77 |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| 22 13 16 00-0587 | EA | 4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees | 416.16 | 71.79 |
| | | *For Work In Restricted Working Space, Add* | *32.34* | |

## 22 13 16 00-0588 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0589 | EA | 2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee | 123.25 | 40.96 |
| | | *For Work In Restricted Working Space, Add* | *18.43* | |
| 22 13 16 00-0590 | EA | 3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee | 218.48 | 48.83 |
| | | *For Work In Restricted Working Space, Add* | *21.99* | |
| 22 13 16 00-0591 | EA | 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee | 252.87 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 13 16 00-0592 | EA | 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee | 467.21 | 58.86 |
| | | *For Work In Restricted Working Space, Add* | *26.52* | |
| 22 13 16 00-0593 | EA | 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee | 489.47 | 66.72 |
| | | *For Work In Restricted Working Space, Add* | *30.08* | |

## 22 13 16 00-0594 Polyvinyl Chloride (PVC) DWV Reducers *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0595 | EA | 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers | 48.07 | 20.48 |
| | | *For Work In Restricted Working Space, Add* | *9.22* | |
| 22 13 16 00-0596 | EA | 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers | 92.02 | 24.36 |
| | | *For Work In Restricted Working Space, Add* | *11.00* | |
| 22 13 16 00-0597 | EA | 3" x 2" Polyvinyl Chloride (PVC) DWV Reducers | 86.78 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 13 16 00-0598 | EA | 4" x 2" Polyvinyl Chloride (PVC) DWV Reducers | 135.92 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 13 16 00-0599 | EA | 4" x 3" Polyvinyl Chloride (PVC) DWV Reducers | 146.02 | 33.41 |
| | | *For Work In Restricted Working Space, Add* | *15.04* | |
| 22 13 16 00-0600 | EA | 6" x 3" Polyvinyl Chloride (PVC) DWV Reducers | 542.70 | 38.80 |
| | | *For Work In Restricted Working Space, Add* | *17.46* | |
| 22 13 16 00-0601 | EA | 6" x 4" Polyvinyl Chloride (PVC) DWV Reducers | 451.08 | 41.28 |
| | | *For Work In Restricted Working Space, Add* | *18.59* | |
| 22 13 16 00-0602 | EA | 8" x 4" Polyvinyl Chloride (PVC) DWV Reducers | 1,141.77 | 49.37 |
| | | *For Work In Restricted Working Space, Add* | *22.23* | |
| 22 13 16 00-0603 | EA | 8" x 6" Polyvinyl Chloride (PVC) DWV Reducers | 960.64 | 54.76 |
| | | *For Work In Restricted Working Space, Add* | *24.66* | |
| 22 13 16 00-0604 | EA | 10" x 6" Polyvinyl Chloride (PVC) DWV Reducers | 1,293.55 | 65.21 |
| | | *For Work In Restricted Working Space, Add* | *29.37* | |
| 22 13 16 00-0605 | EA | 10" x 8" Polyvinyl Chloride (PVC) DWV Reducers | 1,007.01 | 73.30 |
| | | *For Work In Restricted Working Space, Add* | *33.01* | |

## 22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV P-Traps *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0607 | EA | 1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps | 70.78 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0608 | EA | 2" Polyvinyl Chloride (PVC) DWV P-Traps | 93.09 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 13 16 00-0609 | EA | 3" Polyvinyl Chloride (PVC) DWV P-Traps | 275.50 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0610 | EA | 4" Polyvinyl Chloride (PVC) DWV P-Traps | 571.35 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 13 16 00-0611 | EA | 6" Polyvinyl Chloride (PVC) DWV P-Traps | 972.35 | 69.96 |
| | | *For Work In Restricted Working Space, Add* | *31.53* | |
| **22 13 16 00-0612** | | **Polyvinyl Chloride (PVC) DWV Closet Flanges** *(22 13 16 00-0539)* | | |
| 22 13 16 00-0613 | EA | 4" Polyvinyl Chloride (PVC) DWV Closet Flanges | 112.11 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0614 | EA | 4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges | 90.81 | 33.41 |
| | | *For Work In Restricted Working Space, Add* | *15.04* | |
| **22 13 16 00-0615** | | **Polyvinyl Chloride (PVC) DWV Wyes** *(22 13 16 00-0539)* | | |
| 22 13 16 00-0616 | EA | 1-1/2" Polyvinyl Chloride (PVC) DWV Wyes | 71.44 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 13 16 00-0617 | EA | 2" Polyvinyl Chloride (PVC) DWV Wyes | 82.92 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 13 16 00-0618 | EA | 3" Polyvinyl Chloride (PVC) DWV Wyes | 140.07 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0619 | EA | 4" Polyvinyl Chloride (PVC) DWV Wyes | 212.27 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 13 16 00-0620 | EA | 6" Polyvinyl Chloride (PVC) DWV Wyes | 689.20 | 69.96 |
| | | *For Work In Restricted Working Space, Add* | *31.53* | |
| 22 13 16 00-0621 | EA | 8" Polyvinyl Chloride (PVC) DWV Wyes | 853.65 | 94.21 |
| | | *For Work In Restricted Working Space, Add* | *42.44* | |
| 22 13 16 00-0622 | EA | 10" Polyvinyl Chloride (PVC) DWV Wyes | 1,123.15 | 125.58 |
| | | *For Work In Restricted Working Space, Add* | *56.59* | |
| **22 13 16 00-0623** | | **Polyvinyl Chloride (PVC) DWV Reducing Wyes** *(22 13 16 00-0539)* | | |
| 22 13 16 00-0624 | EA | 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 99.56 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 13 16 00-0625 | EA | 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 102.84 | 31.91 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 22 13 16 00-0626 | EA | 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 146.02 | 39.88 |
| | | *For Work In Restricted Working Space, Add* | *17.95* | |
| 22 13 16 00-0627 | EA | 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 118.14 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.08* | |
| 22 13 16 00-0628 | EA | 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 204.23 | 44.84 |
| | | *For Work In Restricted Working Space, Add* | *20.21* | |
| 22 13 16 00-0629 | EA | 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 176.72 | 47.42 |
| | | *For Work In Restricted Working Space, Add* | *21.35* | |
| 22 13 16 00-0630 | EA | 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 200.32 | 51.31 |
| | | *For Work In Restricted Working Space, Add* | *23.12* | |
| 22 13 16 00-0631 | EA | 6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 623.10 | 62.09 |
| | | *For Work In Restricted Working Space, Add* | *27.97* | |
| 22 13 16 00-0632 | EA | 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 774.70 | 64.57 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |
| 22 13 16 00-0633 | EA | 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 731.66 | 80.73 |
| | | *For Work In Restricted Working Space, Add* | *36.38* | |
| 22 13 16 00-0634 | EA | 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 928.02 | 86.12 |
| | | *For Work In Restricted Working Space, Add* | *38.81* | |
| 22 13 16 00-0635 | EA | 10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 840.41 | 101.65 |
| | | *For Work In Restricted Working Space, Add* | *45.81* | |
| 22 13 16 00-0636 | EA | 10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 1,053.02 | 107.04 |
| | | *For Work In Restricted Working Space, Add* | *48.23* | |
| 22 13 16 00-0637 | EA | 10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes | 1,228.48 | 115.12 |
| | | *For Work In Restricted Working Space, Add* | *51.87* | |
| **22 13 16 00-0638** | | **Polyvinyl Chloride (PVC) DWV Double Wyes** *(22 13 16 00-0539)* | | |
| 22 13 16 00-0639 | EA | 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes | 119.94 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0640 | EA | 2" Polyvinyl Chloride (PVC) DWV Double Wyes | 153.88 | 45.92 |
| | | *For Work In Restricted Working Space, Add* | *20.70* | |
| 22 13 16 00-0641 | EA | 3" Polyvinyl Chloride (PVC) DWV Double Wyes | 312.02 | 61.77 |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| 22 13 16 00-0642 | EA | 4" Polyvinyl Chloride (PVC) DWV Double Wyes | 552.42 | 71.79 |
| | | *For Work In Restricted Working Space, Add* | *32.34* | |
| 22 13 16 00-0643 | EA | 6" Polyvinyl Chloride (PVC) DWV Double Wyes | 1,147.10 | 93.35 |
| | | *For Work In Restricted Working Space, Add* | *42.04* | |
| 22 13 16 00-0644 | EA | 8" Polyvinyl Chloride (PVC) DWV Double Wyes | 1,325.11 | 125.68 |
| | | *For Work In Restricted Working Space, Add* | *56.59* | |
| 22 13 16 00-0645 | EA | 10" Polyvinyl Chloride (PVC) DWV Double Wyes | 2,062.45 | 167.50 |
| | | *For Work In Restricted Working Space, Add* | *75.45* | |
| **22 13 16 00-0646** | | **Polyvinyl Chloride (PVC) DWV Reducing Double Wyes** *(22 13 16 00-0539)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0647 | EA | 2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes | 138.99 | 40.96 |
| | | *For Work In Restricted Working Space, Add* | *18.43* | |
| 22 13 16 00-0648 | EA | 3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes | 265.74 | 48.83 |
| | | *For Work In Restricted Working Space, Add* | *21.99* | |
| 22 13 16 00-0649 | EA | 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes | 244.13 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 13 16 00-0650 | EA | 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes | 354.93 | 58.86 |
| | | *For Work In Restricted Working Space, Add* | *26.52* | |
| 22 13 16 00-0651 | EA | 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes | 452.32 | 66.72 |
| | | *For Work In Restricted Working Space, Add* | *30.08* | |
| 22 13 16 00-0652 | EA | 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes | 702.22 | 82.57 |
| | | *For Work In Restricted Working Space, Add* | *37.19* | |
| 22 13 16 00-0653 | EA | 8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes | 821.55 | 98.73 |
| | | *For Work In Restricted Working Space, Add* | *44.46* | |
| 22 13 16 00-0654 | EA | 8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes | 1,049.63 | 109.51 |
| | | *For Work In Restricted Working Space, Add* | *49.31* | |
| 22 13 16 00-0655 | EA | 10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes | 1,107.99 | 119.65 |
| | | *For Work In Restricted Working Space, Add* | *53.89* | |
| 22 13 16 00-0656 | EA | 10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes | 1,444.76 | 130.42 |
| | | *For Work In Restricted Working Space, Add* | *58.74* | |
| 22 13 16 00-0657 | EA | 10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes | 1,749.91 | 146.59 |
| | | *For Work In Restricted Working Space, Add* | *66.02* | |

## 22 13 16 00-0658 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0659 | EA | 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends | 90.79 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 13 16 00-0660 | EA | 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends | 113.10 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 13 16 00-0661 | EA | 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends | 230.79 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0662 | EA | 4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends | 415.74 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |

## 22 13 16 00-0663 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0664 | EA | 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends | 175.06 | 31.91 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 22 13 16 00-0665 | EA | 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends | 280.61 | 39.88 |
| | | *For Work In Restricted Working Space, Add* | *17.95* | |
| 22 13 16 00-0666 | EA | 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends | 201.59 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.08* | |
| 22 13 16 00-0667 | EA | 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends | 378.14 | 47.42 |
| | | *For Work In Restricted Working Space, Add* | *21.35* | |
| 22 13 16 00-0668 | EA | 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends | 409.58 | 51.31 |
| | | *For Work In Restricted Working Space, Add* | *23.12* | |

## 22 13 16 00-0669 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0670 | EA | 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends | 134.96 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0671 | EA | 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends | 155.55 | 45.92 |
| | | *For Work In Restricted Working Space, Add* | *20.70* | |
| 22 13 16 00-0672 | EA | 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends | 243.13 | 61.77 |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| 22 13 16 00-0673 | EA | 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends | 900.33 | 71.79 |
| | | *For Work In Restricted Working Space, Add* | *32.34* | |
| 22 13 16 00-0674 | EA | 6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends | 3,017.44 | 93.35 |
| | | *For Work In Restricted Working Space, Add* | *42.04* | |

## 22 13 16 00-0675 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0676 | EA | 2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends | 326.65 | 40.96 |
| | | *For Work In Restricted Working Space, Add* | *18.43* | |
| 22 13 16 00-0677 | EA | 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends | 530.18 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 13 16 00-0678 | EA | 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends | 925.81 | 58.86 |
| | | *For Work In Restricted Working Space, Add* | *26.52* | |
| 22 13 16 00-0679 | EA | 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends | 833.13 | 66.72 |
| | | *For Work In Restricted Working Space, Add* | *30.08* | |
| 22 13 16 00-0680 | EA | 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends | 2,003.71 | 82.57 |
| | | *For Work In Restricted Working Space, Add* | *37.19* | |

## 22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0682 | EA | 2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug | 199.37 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 13 16 00-0683 | EA | 3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug | 351.56 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0684 | EA | 4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug | 571.43 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 13 16 00-0685 | EA | 6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug | 1,530.61 | 69.96 |
| | | *For Work In Restricted Working Space, Add* | *31.53* | |
| 22 13 16 00-0686 | EA | 8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug | 1,916.31 | 94.21 |
| | | *For Work In Restricted Working Space, Add* | *42.44* | |
| 22 13 16 00-0687 | EA | 10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug | 2,542.80 | 125.58 |
| | | *For Work In Restricted Working Space, Add* | *56.59* | |

## 22 13 16 00-0688 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0689 | EA | 1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug | 52.47 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 13 16 00-0690 | EA | 2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug | 75.68 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 13 16 00-0691 | EA | 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug | 109.73 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0692 | EA | 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug | 202.83 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0693 | EA | 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug | 478.85 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| 22 13 16 00-0694 | EA | 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug | 1,091.09 | 62.85 |
| | | *For Work In Restricted Working Space, Add* | *28.29* | |
| 22 13 16 00-0695 | EA | 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug | 2,021.88 | 83.76 |
| | | *For Work In Restricted Working Space, Add* | *37.70* | |

## 22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0697 | EA | 1-1/2" Polyvinyl Chloride (PVC) Couplings | 34.51 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 13 16 00-0698 | EA | 2" Polyvinyl Chloride (PVC) Couplings | 43.00 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 13 16 00-0699 | EA | 3" Polyvinyl Chloride (PVC) Couplings | 68.09 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0700 | EA | 4" Polyvinyl Chloride (PVC) Couplings | 89.63 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0701 | EA | 6" Polyvinyl Chloride (PVC) Couplings | 267.23 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| 22 13 16 00-0702 | EA | 8" Polyvinyl Chloride (PVC) Couplings | 663.87 | 62.85 |
| | | *For Work In Restricted Working Space, Add* | *28.29* | |
| 22 13 16 00-0703 | EA | 10" Polyvinyl Chloride (PVC) Couplings | 1,008.36 | 83.76 |
| | | *For Work In Restricted Working Space, Add* | *37.73* | |

## 22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters *(22 13 16 00-0539)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0705 | EA | 1-1/2" Polyvinyl Chloride (PVC) Male Adapters | 21.14 | 8.94 |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 22 13 16 00-0706 | EA | 2" Polyvinyl Chloride (PVC) Male Adapters | 36.07 | 11.53 |
| | | *For Work In Restricted Working Space, Add* | *5.17* | |
| 22 13 16 00-0707 | EA | 3" Polyvinyl Chloride (PVC) Male Adapters | 75.39 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 13 16 00-0708 | EA | 4" Polyvinyl Chloride (PVC) Male Adapters | 146.61 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |

## 22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*

Note: In place piping.

| | | | |
|---|---|---|---|
| 22 13 16 00-0710 | EA | 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe | 7.90 |
| 22 13 16 00-0711 | EA | 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe | 8.69 |
| 22 13 16 00-0712 | EA | 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe | 11.06 |
| 22 13 16 00-0713 | EA | 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe | 14.92 |
| 22 13 16 00-0714 | EA | 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe | 21.32 |
| 22 13 16 00-0715 | EA | 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe | 28.44 |
| 22 13 16 00-0716 | EA | 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe | 34.78 |

## 22 13 16 00-0717 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation.

## 22 13 16 00-0718 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies *(22 13 16 00-0717)*

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0719 | LF | 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 27.00 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *6.20* | |
| 22 13 16 00-0720 | LF | 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 30.01 | 5.39 |
| | | *For Work In Restricted Working Space, Add* | *6.87* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0721 | LF | 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 41.34 | 7.76 |
| | | *For Work In Restricted Working Space, Add* | *8.53* | |
| 22 13 16 00-0722 | LF | 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 47.78 | 8.41 |
| | | *For Work In Restricted Working Space, Add* | *9.47* | |
| 22 13 16 00-0723 | LF | 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly<br>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | 81.03 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *12.60* | |
| **22 13 16 00-0724** | | **Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)** *(22 13 16 00-0717)*<br>Note: Excludes fittings or hangers. | | |
| 22 13 16 00-0725 | LF | 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe | 9.62 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.02* | |
| 22 13 16 00-0726 | LF | 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe | 11.95 | 5.39 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 13 16 00-0727 | LF | 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe | 19.59 | 7.76 |
| | | *For Work In Restricted Working Space, Add* | *3.48* | |
| 22 13 16 00-0728 | LF | 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe | 24.01 | 8.41 |
| | | *For Work In Restricted Working Space, Add* | *3.77* | |
| 22 13 16 00-0729 | LF | 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe | 39.12 | 10.55 |
| | | *For Work In Restricted Working Space, Add* | *4.74* | |
| **22 13 16 00-0730** | | **Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661)** *(22 13 16 00-0717)* | | |
| **22 13 16 00-0731** | | **Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends** *(22 13 16 00-0730)* | | |
| 22 13 16 00-0732 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends | 39.21 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 13 16 00-0733 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends | 51.97 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 13 16 00-0734 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends | 100.29 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0735 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends | 159.59 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0736 | EA | 6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends | 464.52 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| **22 13 16 00-0737** | | **Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0730)* | | |
| 22 13 16 00-0738 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends | 56.15 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 13 16 00-0739 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends | 68.53 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 13 16 00-0740 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends | 141.41 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0741 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends | 241.40 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| **22 13 16 00-0742** | | **Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends** *(22 13 16 00-0730)* | | |
| 22 13 16 00-0743 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends | 41.50 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 13 16 00-0744 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends | 50.36 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 13 16 00-0745 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends | 91.86 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0746 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends | 144.02 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0747 | EA | 6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends | 480.94 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| **22 13 16 00-0748** | | **Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees** *(22 13 16 00-0730)* | | |
| 22 13 16 00-0749 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees | 61.29 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 13 16 00-0750 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees | 83.09 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 13 16 00-0751 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees | 149.45 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0752 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees | 234.41 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 13 16 00-0753 | EA | 6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees | 937.49 | 69.96 |
| | | *For Work In Restricted Working Space, Add* | *31.53* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 13 16 00-0754** | | **Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees** *(22 13 16 00-0730)* | | |
| 22 13 16 00-0755 | EA | 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees | 77.47 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 13 16 00-0756 | EA | 2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees | 94.70 | 31.91 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 22 13 16 00-0757 | EA | 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees | 78.03 | 31.91 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 22 13 16 00-0758 | EA | 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees | 120.87 | 39.88 |
| | | *For Work In Restricted Working Space, Add* | *17.95* | |
| 22 13 16 00-0759 | EA | 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees | 125.21 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.08* | |
| 22 13 16 00-0760 | EA | 4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees | 288.70 | 44.84 |
| | | *For Work In Restricted Working Space, Add* | *20.21* | |
| 22 13 16 00-0761 | EA | 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees | 277.76 | 47.42 |
| | | *For Work In Restricted Working Space, Add* | *21.35* | |
| 22 13 16 00-0762 | EA | 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees | 319.35 | 51.31 |
| | | *For Work In Restricted Working Space, Add* | *23.12* | |
| 22 13 16 00-0763 | EA | 6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees | 1,027.67 | 64.57 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |
| **22 13 16 00-0764** | | **Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees** *(22 13 16 00-0730)* | | |
| 22 13 16 00-0765 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees | 117.29 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0766 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees | 161.48 | 45.92 |
| | | *For Work In Restricted Working Space, Add* | *20.70* | |
| 22 13 16 00-0767 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees | 352.51 | 61.77 |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| 22 13 16 00-0768 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees | 524.19 | 71.79 |
| | | *For Work In Restricted Working Space, Add* | *32.34* | |
| **22 13 16 00-0769** | | **Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees** *(22 13 16 00-0730)* | | |
| 22 13 16 00-0770 | EA | 2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees | 133.34 | 40.96 |
| | | *For Work In Restricted Working Space, Add* | *18.43* | |
| 22 13 16 00-0771 | EA | 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees | 205.71 | 48.83 |
| | | *For Work In Restricted Working Space, Add* | *21.99* | |
| 22 13 16 00-0772 | EA | 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees | 237.52 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 13 16 00-0773 | EA | 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes | 431.62 | 57.64 |
| | | *For Work In Restricted Working Space, Add* | *25.97* | |
| 22 13 16 00-0774 | EA | 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees | 452.76 | 65.34 |
| | | *For Work In Restricted Working Space, Add* | *29.45* | |
| **22 13 16 00-0775** | | **Acrylonitrile Butadiene Styrene (ABS) DWV Wyes** *(22 13 16 00-0730)* | | |
| 22 13 16 00-0776 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes | 82.43 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 13 16 00-0777 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes | 94.87 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 13 16 00-0778 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes | 164.99 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0779 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes | 258.72 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 13 16 00-0780 | EA | 6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes | 757.76 | 69.96 |
| | | *For Work In Restricted Working Space, Add* | *31.53* | |
| **22 13 16 00-0781** | | **Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes** *(22 13 16 00-0730)* | | |
| 22 13 16 00-0782 | EA | 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes | 119.15 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 13 16 00-0783 | EA | 2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes | 122.16 | 31.91 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 22 13 16 00-0784 | EA | 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes | 137.79 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.08* | |
| 22 13 16 00-0785 | EA | 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes | 214.06 | 47.42 |
| | | *For Work In Restricted Working Space, Add* | *21.35* | |
| 22 13 16 00-0786 | EA | 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes | 244.03 | 51.31 |
| | | *For Work In Restricted Working Space, Add* | *23.12* | |
| 22 13 16 00-0787 | EA | 6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes | 636.24 | 64.57 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |
| **22 13 16 00-0788** | | **Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes** *(22 13 16 00-0730)* | | |
| 22 13 16 00-0789 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes | 143.25 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0790 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes | 183.92 | 45.92 |
| | | *For Work In Restricted Working Space, Add* | *20.70* | |
| 22 13 16 00-0791 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes | 389.83 | 61.77 |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0792 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes | 709.70 | 71.79 |
| | | *For Work In Restricted Working Space, Add* | *32.34* | |

## 22 13 16 00-0793 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0794 | EA | 2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes | 166.41 | 40.96 |
| | | *For Work In Restricted Working Space, Add* | *18.43* | |
| 22 13 16 00-0795 | EA | 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes | 282.89 | 48.83 |
| | | *For Work In Restricted Working Space, Add* | *21.99* | |
| 22 13 16 00-0796 | EA | 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes | 301.45 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 13 16 00-0797 | EA | 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes | 449.27 | 58.86 |
| | | *For Work In Restricted Working Space, Add* | *26.52* | |
| 22 13 16 00-0798 | EA | 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes | 576.93 | 66.72 |
| | | *For Work In Restricted Working Space, Add* | *30.08* | |

## 22 13 16 00-0799 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0800 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends | 107.53 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 13 16 00-0801 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends | 138.94 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 13 16 00-0802 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends | 213.22 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0803 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends | 361.27 | 52.78 |
| | | *For Work In Restricted Working Space, Add* | *23.75* | |

## 22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0805 | EA | 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends | 118.60 | 31.91 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 22 13 16 00-0806 | EA | 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends | 227.06 | 39.88 |
| | | *For Work In Restricted Working Space, Add* | *17.95* | |
| 22 13 16 00-0807 | EA | 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends | 168.11 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.08* | |
| 22 13 16 00-0808 | EA | 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends | 303.95 | 47.42 |
| | | *For Work In Restricted Working Space, Add* | *21.35* | |
| 22 13 16 00-0809 | EA | 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends | 329.16 | 51.31 |
| | | *For Work In Restricted Working Space, Add* | *23.12* | |

## 22 13 16 00-0810 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0811 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends | 226.88 | 45.92 |
| | | *For Work In Restricted Working Space, Add* | *20.70* | |
| 22 13 16 00-0812 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends | 456.87 | 61.77 |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |

## 22 13 16 00-0813 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0814 | EA | 2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends | 188.50 | 40.96 |
| | | *For Work In Restricted Working Space, Add* | *18.43* | |
| 22 13 16 00-0815 | EA | 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends | 438.80 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |

## 22 13 16 00-0816 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0817 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug | 119.35 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 13 16 00-0818 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug | 150.77 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 13 16 00-0819 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug | 239.64 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0820 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug | 398.85 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |

## 22 13 16 00-0821 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0822 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug | 54.01 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 13 16 00-0823 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug | 78.16 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 13 16 00-0824 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug | 113.46 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0825 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug | 211.89 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0826 | EA | 6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug | 503.82 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |

## 22 13 16 00-0827 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0828 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings | 36.28 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 13 16 00-0829 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings | 44.32 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 13 16 00-0830 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings | 73.10 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 13 16 00-0831 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings | 98.00 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0832 | EA | 6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings | 288.07 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |

## 22 13 16 00-0833 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0834 | EA | 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers | 54.36 | 20.48 |
| | | *For Work In Restricted Working Space, Add* | *9.22* | |
| 22 13 16 00-0835 | EA | 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers | 111.61 | 24.36 |
| | | *For Work In Restricted Working Space, Add* | *11.00* | |
| 22 13 16 00-0836 | EA | 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers | 103.28 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 13 16 00-0837 | EA | 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers | 168.17 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 13 16 00-0838 | EA | 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers | 179.83 | 33.41 |
| | | *For Work In Restricted Working Space, Add* | *15.04* | |

## 22 13 16 00-0839 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0840 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps | 86.26 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 13 16 00-0841 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps | 125.92 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 13 16 00-0842 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps | 409.36 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 13 16 00-0843 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps | 777.08 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |

## 22 13 16 00-0844 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0845 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges | 117.90 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 13 16 00-0846 | EA | 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges | 110.15 | 33.41 |
| | | *For Work In Restricted Working Space, Add* | *15.04* | |

## 22 13 16 00-0847 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0848 | EA | 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters | 25.38 | 8.94 |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 22 13 16 00-0849 | EA | 2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters | 38.34 | 11.53 |
| | | *For Work In Restricted Working Space, Add* | *5.17* | |
| 22 13 16 00-0850 | EA | 3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters | 84.63 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 13 16 00-0851 | EA | 4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters | 162.90 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |

## 22 13 16 00-0852 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0853 | EA | 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing | 40.55 | 20.48 |
| | | *For Work In Restricted Working Space, Add* | *9.22* | |
| 22 13 16 00-0854 | EA | 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing | 89.70 | 24.36 |
| | | *For Work In Restricted Working Space, Add* | *11.00* | |
| 22 13 16 00-0855 | EA | 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing | 74.13 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 13 16 00-0856 | EA | 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing | 166.46 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 13 16 00-0857 | EA | 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing | 120.98 | 33.41 |
| | | *For Work In Restricted Working Space, Add* | *15.04* | |
| 22 13 16 00-0858 | EA | 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing | 338.54 | 40.43 |
| | | *For Work In Restricted Working Space, Add* | *18.21* | |

## 22 13 16 00-0859 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings *(22 13 16 00-0730)*

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0860 | EA | 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling | 152.04 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 13 16 00-0861 | EA | 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling | 167.92 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 13 16 00-0862 | EA | 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling | 188.12 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0863 | EA | 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling | 204.01 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |

## 22 13 16 00-0864 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe

*(22 13 16 00-0717)*

Note: In place piping.

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0865 | EA | 1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe | 7.90 | |
| 22 13 16 00-0866 | EA | 2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe | 8.69 | |
| 22 13 16 00-0867 | EA | 3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe | 11.06 | |
| 22 13 16 00-0868 | EA | 4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe | 14.92 | |
| 22 13 16 00-0869 | EA | 6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe | 21.32 | |

## 22 13 16 00-0870 Elastomeric Flexible Pipe Couplings *(22 13 16)*

## 22 13 16 00-0871 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings

*(22 13 16 00-0870)*

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0872 | EA | 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125) | 14.39 | 4.68 |
| | | *For Work In Restricted Working Space, Add* | *2.81* | |
| 22 13 16 00-0873 | EA | 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150) | 15.52 | 4.97 |
| | | *For Work In Restricted Working Space, Add* | *2.99* | |
| 22 13 16 00-0874 | EA | 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22) | 16.31 | 5.27 |
| | | *For Work In Restricted Working Space, Add* | *3.16* | |
| 22 13 16 00-0875 | EA | 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33) | 18.93 | 5.56 |
| | | *For Work In Restricted Working Space, Add* | *3.34* | |
| 22 13 16 00-0876 | EA | 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44) | 21.49 | 5.85 |
| | | *For Work In Restricted Working Space, Add* | *3.51* | |
| 22 13 16 00-0877 | EA | 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55) | 27.62 | 6.14 |
| | | *For Work In Restricted Working Space, Add* | *3.69* | |
| 22 13 16 00-0878 | EA | 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66) | 33.80 | 6.43 |
| | | *For Work In Restricted Working Space, Add* | *3.86* | |
| 22 13 16 00-0879 | EA | 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88) | 46.22 | 7.03 |
| | | *For Work In Restricted Working Space, Add* | *4.22* | |
| 22 13 16 00-0880 | EA | 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010) | 61.12 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *4.92* | |

## 22 13 16 00-0881 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings *(22 13 16 00-0870)*

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0882 | EA | 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125) | 15.32 | 4.97 |
| | | *For Work In Restricted Working Space, Add* | *2.99* | |
| 22 13 16 00-0883 | EA | 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215) | 16.64 | 5.27 |
| | | *For Work In Restricted Working Space, Add* | *3.16* | |
| 22 13 16 00-0884 | EA | 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315) | 20.55 | 5.56 |
| | | *For Work In Restricted Working Space, Add* | *3.34* | |
| 22 13 16 00-0885 | EA | 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32) | 18.34 | 5.56 |
| | | *For Work In Restricted Working Space, Add* | *3.34* | |
| 22 13 16 00-0886 | EA | 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415) | 25.46 | 5.85 |
| | | *For Work In Restricted Working Space, Add* | *3.51* | |
| 22 13 16 00-0887 | EA | 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42) | 24.33 | 5.85 |
| | | *For Work In Restricted Working Space, Add* | *3.51* | |
| 22 13 16 00-0888 | EA | 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43) | 22.24 | 5.85 |
| | | *For Work In Restricted Working Space, Add* | *3.51* | |
| 22 13 16 00-0889 | EA | 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53) | 32.53 | 6.14 |
| | | *For Work In Restricted Working Space, Add* | *3.69* | |
| 22 13 16 00-0890 | EA | 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54) | 29.33 | 6.14 |
| | | *For Work In Restricted Working Space, Add* | *3.69* | |
| 22 13 16 00-0891 | EA | 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63) | 40.40 | 6.43 |
| | | *For Work In Restricted Working Space, Add* | *3.86* | |
| 22 13 16 00-0892 | EA | 6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64) | 35.62 | 6.43 |
| | | *For Work In Restricted Working Space, Add* | *3.86* | |
| 22 13 16 00-0893 | EA | 6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65) | 36.95 | 6.43 |
| | | *For Work In Restricted Working Space, Add* | *3.86* | |
| 22 13 16 00-0894 | EA | 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84) | 72.65 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 22 13 16 00-0895 | EA | 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86) | 59.38 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 22 13 16 00-0896 | EA | 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8) | 75.33 | 13.17 |
| | | *For Work In Restricted Working Space, Add* | *7.90* | |

## 22 13 16 00-0897 Elastomeric Flexible Pipe Caps (Fernco QC) *(22 13 16)*

Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.

| | | | | |
|---|---|---|---|---|
| 22 13 16 00-0898 | EA | 1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101) | 52.16 | 31.60 |
| 22 13 16 00-0899 | EA | 2" Elastomeric Flexible Pipe Cap (Fernco QC-102) | 56.00 | 33.60 |
| 22 13 16 00-0900 | EA | 3" Elastomeric Flexible Pipe Cap (Fernco QC-103) | 64.91 | 38.51 |
| 22 13 16 00-0901 | EA | 4" Elastomeric Flexible Pipe Cap (Fernco QC-104) | 85.61 | 50.91 |
| 22 13 16 00-0902 | EA | 5" Elastomeric Flexible Pipe Cap (Fernco QC-105) | 102.66 | 60.87 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 16 00-0903 | EA | 6" Elastomeric Flexible Pipe Cap (Fernco QC-106) | 118.21 | 70.24 |
| 22 13 16 00-0904 | EA | 8" Elastomeric Flexible Pipe Cap (Fernco QC-108) | 159.41 | 88.96 |
| 22 13 16 00-0905 | EA | 10" Elastomeric Flexible Pipe Cap (Fernco QC-110) | 197.52 | 99.49 |
| 22 13 16 00-0906 | EA | 12" Elastomeric Flexible Pipe Cap (Fernco QC-112) | 252.49 | 110.62 |
| 22 13 16 00-0907 | | Seamless Pipe Vent Flashing For Multiple Pipe *(22 13 16)* | | |
| | | Note: Elmdor/Stoneman #910. | | |
| 22 13 16 00-0908 | EA | Multi Flash Assembly (Elmdor/Stoneman #910-6 STD - 4 Lb.) | 525.52 | 122.91 |
| 22 13 16 00-0909 | EA | Multi Flash Assembly (Elmdor/Stoneman #910-6 STD - 6 Lb.) | 549.10 | 122.91 |
| 22 13 16 00-0910 | EA | Multi Flash Assembly (Elmdor/Stoneman #910-8 SK - 4 Lb.) | 587.86 | 143.39 |
| 22 13 16 00-0911 | EA | Multi Flash Assembly (Elmdor/Stoneman #910-8 SK - 6 Lb.) | 620.97 | 143.39 |
| 22 13 16 00-0912 | EA | Multi Flash Assembly (Elmdor/Stoneman #910-10 SK - 4 Lb.) | 665.46 | 166.81 |
| 22 13 16 00-0913 | EA | Multi Flash Assembly (Elmdor/Stoneman #910-10 SK - 6 Lb.) | 710.56 | 166.81 |
| 22 13 16 00-0914 | | Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) *(22 13 16)* | | |
| 22 13 16 00-0915 | EA | 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess | 100.71 | 24.26 |
| 22 13 16 00-0916 | EA | 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess | 106.10 | 26.95 |
| 22 13 16 00-0917 | EA | 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess | 159.55 | 35.03 |
| 22 13 16 00-0918 | EA | 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess | 187.11 | 40.42 |
| 22 13 16 00-0919 | EA | 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess | 218.38 | 45.81 |
| 22 13 16 00-0920 | EA | 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess | 370.83 | 51.20 |
| 22 13 16 00-0921 | | Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) *(22 13 16)* | | |
| 22 13 16 00-0922 | EA | 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess | 211.42 | 24.26 |
| 22 13 16 00-0923 | EA | 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess | 216.81 | 26.95 |
| 22 13 16 00-0924 | EA | 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess | 257.34 | 35.03 |
| 22 13 16 00-0925 | EA | 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess | 322.41 | 40.42 |
| 22 13 16 00-0926 | EA | 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess | 441.80 | 45.81 |
| 22 13 16 00-0927 | EA | 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess | 452.58 | 51.20 |
| 22 13 16 00-0928 | | Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) *(22 13 16)* | | |
| | | Note: Includes counterflashing collar, deep protective hood and recessed securing screws. | | |
| 22 13 16 00-0929 | EA | 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap | 406.14 | 24.26 |
| 22 13 16 00-0930 | EA | 2" Cast Iron Vandal Proof Hooded Vent Cap | 411.54 | 26.95 |
| 22 13 16 00-0931 | EA | 3" Cast Iron Vandal Proof Hooded Vent Cap | 472.42 | 35.03 |
| 22 13 16 00-0932 | EA | 4" Cast Iron Vandal Proof Hooded Vent Cap | 531.63 | 40.42 |
| 22 13 16 00-0933 | EA | 5" Cast Iron Vandal Proof Hooded Vent Cap | 620.64 | 45.81 |
| 22 13 16 00-0934 | EA | 6" Cast Iron Vandal Proof Hooded Vent Cap | 677.99 | 51.20 |

## 22 13 19 Sanitary Waste Piping Specialties *(22 13)*

### 22 13 19 13 Sanitary Drains *(22 13 19)*

| | | | | |
|---|---|---|---|---|
| 22 13 19 13-0001 | | Round Top Floor Drains *(22 13 19 13)* | | |
| 22 13 19 13-0002 | EA | Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet | 832.50 | 115.88 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0003 | EA | Bronze Top, 6" Round Top Floor Drain With 2" Outlet | 914.24 | 129.89 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0004 | EA | Bronze Top, 6" Round Top Floor Drain With 3" Outlet | 888.23 | 143.68 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0005 | EA | Bronze Top, 6" Round Top Floor Drain With 4" Outlet | 917.83 | 158.56 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0006 | EA | Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet | 832.84 | 129.89 |
| | | *For Ductile Iron Grate, Add* | *48.00* | |
| | | *For Cast Iron Dome Grate, Add* | *17.00* | |
| | | *For Nikaloy Dome Grate, Add* | *178.50* | |
| | | *For Bronze Dome Grate, Add* | *143.00* | |
| | | *For Cast Iron Extension Collar, Each 3" (76 mm), Add* | *57.50* | |
| | | *For Galvanized Extension Collar, Each 3", Add* | *117.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 19 13-0007 | EA | Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet | 860.54 | 143.68 |
| | | *For Ductile Iron Grate, Add* | *48.00* | |
| | | *For Cast Iron Dome Grate, Add* | *17.00* | |
| | | *For Nikaloy Dome Grate, Add* | *178.50* | |
| | | *For Bronze Dome Grate, Add* | *143.00* | |
| | | *For Cast Iron Extension Collar, Each 3" (76 mm), Add* | *57.50* | |
| | | *For Galvanized Extension Collar, Each 3", Add* | *117.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0008 | EA | Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet | 890.14 | 158.56 |
| | | *For Ductile Iron Grate, Add* | *48.00* | |
| | | *For Cast Iron Dome Grate, Add* | *17.00* | |
| | | *For Nikaloy Dome Grate, Add* | *178.50* | |
| | | *For Bronze Dome Grate, Add* | *143.00* | |
| | | *For Cast Iron Extension Collar, Each 3" (76 mm), Add* | *57.50* | |
| | | *For Galvanized Extension Collar, Each 3", Add* | *117.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0009 | EA | Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet | 1,403.17 | 129.89 |
| | | *For Ductile Iron Grate, Add* | *48.00* | |
| | | *For Cast Iron Dome Grate, Add* | *17.00* | |
| | | *For Nikaloy Dome Grate, Add* | *178.50* | |
| | | *For Bronze Dome Grate, Add* | *143.00* | |
| | | *For Cast Iron Extension Collar, Each 3" (76 mm), Add* | *57.50* | |
| | | *For Galvanized Extension Collar, Each 3", Add* | *117.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0010 | EA | Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet | 1,430.87 | 143.68 |
| | | *For Ductile Iron Grate, Add* | *48.00* | |
| | | *For Cast Iron Dome Grate, Add* | *17.00* | |
| | | *For Nikaloy Dome Grate, Add* | *178.50* | |
| | | *For Bronze Dome Grate, Add* | *143.00* | |
| | | *For Cast Iron Extension Collar, Each 3" (76 mm), Add* | *57.50* | |
| | | *For Galvanized Extension Collar, Each 3", Add* | *117.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0011 | EA | Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet | 1,460.47 | 158.56 |
| | | *For Ductile Iron Grate, Add* | *48.00* | |
| | | *For Cast Iron Dome Grate, Add* | *17.00* | |
| | | *For Nikaloy Dome Grate, Add* | *178.50* | |
| | | *For Bronze Dome Grate, Add* | *143.00* | |
| | | *For Cast Iron Extension Collar, Each 3" (76 mm), Add* | *57.50* | |
| | | *For Galvanized Extension Collar, Each 3", Add* | *117.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0012 | EA | Bronze Top, 9" Round Top Floor Drain With 2" Outlet | 1,320.11 | 129.89 |
| | | *For Ductile Iron Grate, Add* | *48.00* | |
| | | *For Cast Iron Dome Grate, Add* | *17.00* | |
| | | *For Nikaloy Dome Grate, Add* | *178.50* | |
| | | *For Bronze Dome Grate, Add* | *143.00* | |
| | | *For Cast Iron Extension Collar, Each 3" (76 mm), Add* | *57.50* | |
| | | *For Galvanized Extension Collar, Each 3", Add* | *117.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0013 | EA | Bronze Top, 9" Round Top Floor Drain With 3" Outlet | 1,347.66 | 143.68 |
| | | *For Ductile Iron Grate, Add* | *48.00* | |
| | | *For Cast Iron Dome Grate, Add* | *17.00* | |
| | | *For Nikaloy Dome Grate, Add* | *178.50* | |
| | | *For Bronze Dome Grate, Add* | *143.00* | |
| | | *For Cast Iron Extension Collar, Each 3" (76 mm), Add* | *57.50* | |
| | | *For Galvanized Extension Collar, Each 3", Add* | *117.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0014 | EA | Bronze Top, 9" Round Top Floor Drain With 4" Outlet | 1,377.41 | 158.56 |
| | | *For Ductile Iron Grate, Add* | *48.00* | |
| | | *For Cast Iron Dome Grate, Add* | *17.00* | |
| | | *For Nikaloy Dome Grate, Add* | *178.50* | |
| | | *For Bronze Dome Grate, Add* | *143.00* | |
| | | *For Cast Iron Extension Collar, Each 3" (76 mm), Add* | *57.50* | |
| | | *For Galvanized Extension Collar, Each 3", Add* | *117.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0015 | EA | Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet | 1,452.88 | 129.78 |
| | | *For Ductile Iron Grate, Add* | *53.00* | |
| | | *For Cast Iron Dome Grate, Add* | *28.00* | |
| | | *For Nikaloy Dome Grate, Add* | *255.00* | |
| | | *For Bronze Dome Grate, Add* | *218.50* | |
| | | *For Cast Iron Extension Collar, Each 2", Add* | *51.00* | |
| | | *For Galvanized Extension Collar, Each 2", Add* | *102.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *132.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Chained Grate, Add* | *48.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 19 13-0016 | EA | Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet | 1,480.56 | 143.68 |
| | | *For Ductile Iron Grate, Add* | *53.00* | |
| | | *For Cast Iron Dome Grate, Add* | *28.00* | |
| | | *For Nikaloy Dome Grate, Add* | *255.00* | |
| | | *For Bronze Dome Grate, Add* | *218.50* | |
| | | *For Cast Iron Extension Collar, Each 2", Add* | *51.00* | |
| | | *For Galvanized Extension Collar, Each 2", Add* | *102.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *132.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Chained Grate, Add* | *48.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0017 | EA | Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet | 1,510.31 | 158.56 |
| | | *For Ductile Iron Grate, Add* | *53.00* | |
| | | *For Cast Iron Dome Grate, Add* | *28.00* | |
| | | *For Nikaloy Dome Grate, Add* | *255.00* | |
| | | *For Bronze Dome Grate, Add* | *218.50* | |
| | | *For Cast Iron Extension Collar, Each 2", Add* | *51.00* | |
| | | *For Galvanized Extension Collar, Each 2", Add* | *102.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *132.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Chained Grate, Add* | *48.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0018 | EA | Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet | 2,305.61 | 129.78 |
| | | *For Ductile Iron Grate, Add* | *53.00* | |
| | | *For Cast Iron Dome Grate, Add* | *28.00* | |
| | | *For Nikaloy Dome Grate, Add* | *255.00* | |
| | | *For Bronze Dome Grate, Add* | *218.50* | |
| | | *For Cast Iron Extension Collar, Each 2", Add* | *51.00* | |
| | | *For Galvanized Extension Collar, Each 2", Add* | *102.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *132.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Chained Grate, Add* | *48.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0019 | EA | Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet | 2,333.29 | 143.68 |
| | | *For Ductile Iron Grate, Add* | *53.00* | |
| | | *For Cast Iron Dome Grate, Add* | *28.00* | |
| | | *For Nikaloy Dome Grate, Add* | *255.00* | |
| | | *For Bronze Dome Grate, Add* | *218.50* | |
| | | *For Cast Iron Extension Collar, Each 2", Add* | *51.00* | |
| | | *For Galvanized Extension Collar, Each 2", Add* | *102.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *132.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Chained Grate, Add* | *48.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0020 | EA | Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet | 2,363.04 | 158.56 |
| | | *For Ductile Iron Grate, Add* | *53.00* | |
| | | *For Cast Iron Dome Grate, Add* | *28.00* | |
| | | *For Nikaloy Dome Grate, Add* | *255.00* | |
| | | *For Bronze Dome Grate, Add* | *218.50* | |
| | | *For Cast Iron Extension Collar, Each 2", Add* | *51.00* | |
| | | *For Galvanized Extension Collar, Each 2", Add* | *102.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *132.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Chained Grate, Add* | *48.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0021 | EA | Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet | 2,192.09 | 129.78 |
| | | *For Ductile Iron Grate, Add* | *53.00* | |
| | | *For Cast Iron Dome Grate, Add* | *28.00* | |
| | | *For Nikaloy Dome Grate, Add* | *255.00* | |
| | | *For Bronze Dome Grate, Add* | *218.50* | |
| | | *For Cast Iron Extension Collar, Each 2", Add* | *51.00* | |
| | | *For Galvanized Extension Collar, Each 2", Add* | *102.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *132.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Chained Grate, Add* | *48.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0022 | EA | Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet | 2,219.77 | 143.68 |
| | | *For Ductile Iron Grate, Add* | *53.00* | |
| | | *For Cast Iron Dome Grate, Add* | *28.00* | |
| | | *For Nikaloy Dome Grate, Add* | *255.00* | |
| | | *For Bronze Dome Grate, Add* | *218.50* | |
| | | *For Cast Iron Extension Collar, Each 2", Add* | *51.00* | |
| | | *For Galvanized Extension Collar, Each 2", Add* | *102.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *132.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Chained Grate, Add* | *48.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 19 13-0023 | EA | Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet | 2,249.52 | 158.56 |
| | | *For Ductile Iron Grate, Add* | *53.00* | |
| | | *For Cast Iron Dome Grate, Add* | *28.00* | |
| | | *For Nikaloy Dome Grate, Add* | *255.00* | |
| | | *For Bronze Dome Grate, Add* | *218.50* | |
| | | *For Cast Iron Extension Collar, Each 2", Add* | *51.00* | |
| | | *For Galvanized Extension Collar, Each 2", Add* | *102.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *132.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Chained Grate, Add* | *48.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0024 | | **Square Or Rectangular Top Drains** *(22 13 19 13)* | | |
| 22 13 19 13-0025 | EA | 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top | 990.52 | 129.78 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0026 | EA | 5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top | 1,018.50 | 143.79 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0027 | EA | 5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top | 1,047.95 | 158.56 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0028 | EA | 6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top | 1,073.58 | 129.78 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0029 | EA | 6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top | 1,101.56 | 143.79 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0030 | EA | 6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top | 1,131.01 | 158.56 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0031 | EA | 8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top | 1,439.03 | 129.78 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0032 | EA | 8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top | 1,467.01 | 143.79 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0033 | EA | 8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top | 1,496.46 | 158.56 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0034 | EA | 5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top | 929.61 | 129.78 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0035 | EA | 5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top | 957.59 | 143.79 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0036 | EA | 5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top | 987.04 | 158.56 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0037 | EA | 6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top | 1,034.82 | 129.78 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0038 | EA | 6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top | 1,062.80 | 143.79 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0039 | EA | 6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top | 1,092.25 | 158.56 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0040 | EA | 8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top | 1,331.06 | 129.78 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0041 | EA | 8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top | 1,359.04 | 143.79 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0042 | EA | 8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top | 1,388.49 | 158.56 |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 19 13-0043 | EA | 12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top | 3,496.40 | 143.79 |
| | | *For Galvanized Cast Iron Parts, Add* | *318.00* | |
| | | *For No-Hub Side Outlet, Add* | *76.00* | |
| | | *For Chained Grate, Add* | *48.50* | |
| 22 13 19 13-0044 | EA | 12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top | 3,525.85 | 158.56 |
| | | *For Galvanized Cast Iron Parts, Add* | *318.00* | |
| | | *For No-Hub Side Outlet, Add* | *76.00* | |
| | | *For Chained Grate, Add* | *48.50* | |
| 22 13 19 13-0045 | EA | 12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top | 4,398.96 | 143.79 |
| | | *For Galvanized Cast Iron Parts, Add* | *318.00* | |
| | | *For No-Hub Side Outlet, Add* | *76.00* | |
| | | *For Chained Grate, Add* | *48.50* | |
| 22 13 19 13-0046 | EA | 12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top | 4,428.41 | 158.56 |
| | | *For Galvanized Cast Iron Parts, Add* | *318.00* | |
| | | *For No-Hub Side Outlet, Add* | *76.00* | |
| | | *For Chained Grate, Add* | *48.50* | |
| 22 13 19 13-0047 | EA | 12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top | 4,290.99 | 143.79 |
| | | *For Galvanized Cast Iron Parts, Add* | *318.00* | |
| | | *For No-Hub Side Outlet, Add* | *76.00* | |
| | | *For Chained Grate, Add* | *48.50* | |
| 22 13 19 13-0048 | EA | 12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top | 4,320.44 | 158.56 |
| | | *For Galvanized Cast Iron Parts, Add* | *318.00* | |
| | | *For No-Hub Side Outlet, Add* | *76.00* | |
| | | *For Chained Grate, Add* | *48.50* | |
| 22 13 19 13-0049 | EA | 5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top | 1,461.18 | 129.78 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0050 | EA | 5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top | 1,489.16 | 143.79 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0051 | EA | 5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top | 1,518.61 | 158.56 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0052 | EA | 5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top | 1,890.32 | 129.78 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0053 | EA | 5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top | 1,918.30 | 143.79 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0054 | EA | 5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top | 1,947.75 | 158.56 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0055 | EA | 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top | 1,989.99 | 129.78 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0056 | EA | 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top | 2,017.97 | 143.79 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0057 | EA | 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top | 2,047.42 | 158.56 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0058 | EA | 5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top | 2,762.42 | 129.78 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0059 | EA | 5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top | 2,790.40 | 143.79 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0060 | EA | 5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top | 2,819.85 | 158.56 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0061 | EA | 5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top | 1,372.59 | 129.78 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0062 | EA | 5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top | 1,400.57 | 143.79 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0063 | EA | 5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top | 1,430.02 | 158.56 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 19 13-0064 | EA | 5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top | 1,738.04 | 129.78 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0065 | EA | 5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top | 1,766.02 | 143.79 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0066 | EA | 5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top | 1,795.47 | 158.56 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0067 | EA | 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top | 1,837.71 | 129.78 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0068 | EA | 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top | 1,865.69 | 143.79 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0069 | EA | 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top | 1,895.14 | 158.56 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0070 | EA | 5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top | 2,466.18 | 129.78 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0071 | EA | 5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top | 2,494.16 | 143.79 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| 22 13 19 13-0072 | EA | 5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top | 2,523.61 | 158.56 |
| | | *For Rough Bronze Body, Add* | *120.94* | |
| | | *For Sediment Bucket, Add* | *22.50* | |
| | | *For Vandal Proof Screws, Add* | *11.00* | |

## 22 13 19 13-0073 Funnel Type Floor Drains *(22 13 19 13)*

| | | | | |
|---|---|---|---|---|
| 22 13 19 13-0074 | EA | 7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top | 1,380.78 | 115.88 |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Satin Finish Bronze Top, Deduct* | *-19.50* | |
| 22 13 19 13-0075 | EA | 7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top | 1,408.58 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Satin Finish Bronze Top, Deduct* | *-19.50* | |
| 22 13 19 13-0076 | EA | 7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top | 1,436.26 | 143.68 |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Satin Finish Bronze Top, Deduct* | *-19.50* | |
| 22 13 19 13-0077 | EA | 7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top | 1,466.01 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Satin Finish Bronze Top, Deduct* | *-19.50* | |
| 22 13 19 13-0078 | EA | 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top | 2,031.51 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Satin Finish Bronze Top, Deduct* | *-19.50* | |
| 22 13 19 13-0079 | EA | 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top | 2,059.19 | 143.68 |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Satin Finish Bronze Top, Deduct* | *-19.50* | |
| 22 13 19 13-0080 | EA | 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top | 2,088.94 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Satin Finish Bronze Top, Deduct* | *-19.50* | |
| 22 13 19 13-0081 | EA | 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top | 1,923.54 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Satin Finish Bronze Top, Deduct* | *-19.50* | |
| 22 13 19 13-0082 | EA | 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top | 1,951.22 | 143.68 |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Satin Finish Bronze Top, Deduct* | *-19.50* | |
| 22 13 19 13-0083 | EA | 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top | 1,980.97 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *11.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *105.00* | |
| | | *For Satin Finish Bronze Top, Deduct* | *-19.50* | |

## 22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet *(22 13 19 13)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 19 13-0085 | EA | 12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap | 2,964.32 | 115.88 |
| | | *For Galvanized Cast Iron Parts, Add* | *247.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0086 | EA | 12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap | 2,992.22 | 129.78 |
| | | *For Galvanized Cast Iron Parts, Add* | *247.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0087 | EA | 12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap | 3,019.90 | 143.68 |
| | | *For Galvanized Cast Iron Parts, Add* | *247.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0088 | EA | 12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap | 3,049.65 | 158.56 |
| | | *For Galvanized Cast Iron Parts, Add* | *247.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0089 | EA | 12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap | 3,080.32 | 173.87 |
| | | *For Galvanized Cast Iron Parts, Add* | *247.00* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0090 | EA | 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate | 3,202.63 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *31.00* | |
| | | *For Aluminum Bucket, Add* | *77.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *273.75* | |
| 22 13 19 13-0091 | EA | 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate | 3,230.61 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *31.00* | |
| | | *For Aluminum Bucket, Add* | *77.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *273.75* | |
| 22 13 19 13-0092 | EA | 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate | 3,260.06 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *31.00* | |
| | | *For Aluminum Bucket, Add* | *77.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *273.75* | |
| 22 13 19 13-0093 | EA | 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate | 3,290.73 | 173.87 |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *31.00* | |
| | | *For Aluminum Bucket, Add* | *77.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *273.75* | |
| 22 13 19 13-0094 | EA | 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate | 1,953.99 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *31.00* | |
| | | *For Aluminum Bucket, Add* | *77.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *273.75* | |
| 22 13 19 13-0095 | EA | 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate | 1,981.97 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *31.00* | |
| | | *For Aluminum Bucket, Add* | *77.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *273.75* | |
| 22 13 19 13-0096 | EA | 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate | 2,011.42 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *31.00* | |
| | | *For Aluminum Bucket, Add* | *77.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *273.75* | |
| 22 13 19 13-0097 | EA | 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate | 2,042.09 | 173.87 |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *31.00* | |
| | | *For Aluminum Bucket, Add* | *77.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *273.75* | |
| 22 13 19 13-0098 | EA | 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate | 2,986.68 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *31.00* | |
| | | *For Aluminum Bucket, Add* | *77.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *273.75* | |
| 22 13 19 13-0099 | EA | 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate | 3,014.66 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *31.00* | |
| | | *For Aluminum Bucket, Add* | *77.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *273.75* | |
| 22 13 19 13-0100 | EA | 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate | 3,044.11 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *31.00* | |
| | | *For Aluminum Bucket, Add* | *77.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *273.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 19 13-0101 | EA | 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate | 3,074.78 | 173.87 |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *31.00* | |
| | | *For Aluminum Bucket, Add* | *77.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *273.75* | |

## 22 13 19 13-0102 Other Drains *(22 13 19 13)*

## 22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

| | | | | |
|---|---|---|---|---|
| 22 13 19 13-0104 | EA | 4-1/4" Stainless Steel Shower Drain Strainer<br>Note: Includes two 2-5/8" screws. | 52.61 | 11.71 |
| 22 13 19 13-0105 | EA | 4-1/4" Brass Shower Drain Strainer<br>Note: Includes two 2-5/8" screws. | 58.74 | 11.71 |
| 22 13 19 13-0106 | EA | 4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe<br>Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe. | 120.55 | 23.41 |
| 22 13 19 13-0107 | EA | 4" Chrome Finish, Threaded Brass Shower Drain And Gasket<br>Note: For 2" pipe. Kohler K-9132. | 155.76 | 23.41 |

## 22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

| | | | | |
|---|---|---|---|---|
| 22 13 19 13-0109 | EA | 9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top | 1,391.75 | 115.88 |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0110 | EA | 9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top | 1,419.65 | 129.78 |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| 22 13 19 13-0111 | EA | 9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top | 1,447.33 | 143.68 |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| | | *For Primer Tap, Add* | *33.50* | |
| | | *For Vandal Proof Screws, Add* | *30.50* | |

## 22 13 19 13-0112 Rotary And Lever Drains *(22 13 19 13-0102)*

| | | | | |
|---|---|---|---|---|
| 22 13 19 13-0113 | EA | Lever Drain, 1-1/2" Drain, 3" Sink Opening | 271.59 | 78.15 |
| 22 13 19 13-0114 | EA | Lever Drain, 2" Drain, 3" Sink Opening | 287.76 | 86.23 |
| 22 13 19 13-0115 | EA | Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening | 271.59 | 78.15 |
| 22 13 19 13-0116 | EA | Lever Drain, 2" Drain, 3-1/2" Sink Opening | 287.76 | 86.23 |
| 22 13 19 13-0117 | EA | Twist Drain, 1-1/2" Drain, 3" Sink Opening | 271.59 | 78.15 |
| 22 13 19 13-0118 | EA | Twist Drain, 2" Drain, 3" Sink Opening | 287.76 | 86.23 |
| 22 13 19 13-0119 | EA | Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening | 271.59 | 78.15 |
| 22 13 19 13-0120 | EA | Twist Drain, 2" Drain, 3-1/2" Sink Opening | 287.76 | 86.23 |
| 22 13 19 13-0121 | EA | Rotary Twist Drain, 1-1/2" To 2" Drain, 3-1/2" Sink Opening (Fisher 16100) | 376.71 | 86.23 |

## 22 13 19 13-0122 Floor Receptor *(22 13 19 13)*

## 22 13 19 13-0123 9" Diameter Round Shallow Receptor *(22 13 19 13-0122)*

Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.

| | | | | |
|---|---|---|---|---|
| 22 13 19 13-0124 | EA | 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection | 1,710.54 | 129.89 |
| | | *For Flange With Seepage Holes, Add* | *58.50* | |
| | | *For Flange With Seepage Holes And Clamp Collar, Add* | *97.00* | |
| | | *For Trap Primer Connection, Add* | *38.00* | |
| | | *For Full Grate With 2" (50 mm) Square Center Opening, Add* | *36.00* | |
| | | *For Vandal Proof Secured Grate, Add* | *33.50* | |
| | | *For White Acid Resistant Bucket, Add* | *47.00* | |
| | | *For Stainless Steel Liner For Bucket, Add* | *62.50* | |
| 22 13 19 13-0125 | EA | 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection | 1,738.65 | 143.90 |
| | | *For Flange With Seepage Holes, Add* | *58.50* | |
| | | *For Flange With Seepage Holes And Clamp Collar, Add* | *97.00* | |
| | | *For Trap Primer Connection, Add* | *38.00* | |
| | | *For Full Grate With 2" (50 mm) Square Center Opening, Add* | *36.00* | |
| | | *For Vandal Proof Secured Grate, Add* | *33.50* | |
| | | *For White Acid Resistant Bucket, Add* | *47.00* | |
| | | *For Stainless Steel Liner For Bucket, Add* | *62.50* | |
| 22 13 19 13-0126 | EA | 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection | 1,767.79 | 158.56 |
| | | *For Flange With Seepage Holes, Add* | *58.50* | |
| | | *For Flange With Seepage Holes And Clamp Collar, Add* | *97.00* | |
| | | *For Trap Primer Connection, Add* | *38.00* | |
| | | *For Full Grate With 2" (50 mm) Square Center Opening, Add* | *36.00* | |
| | | *For Vandal Proof Secured Grate, Add* | *33.50* | |
| | | *For White Acid Resistant Bucket, Add* | *47.00* | |
| | | *For Stainless Steel Liner For Bucket, Add* | *62.50* | |

## 22 13 19 13-0127 Square Top Floor Receptors *(22 13 19 13-0122)*

Note: With acid resistant coating.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 19 13-0128 | EA | 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top | 2,025.86 | 115.88 |
| | | *For Flange With Seepage Holes, Add* | *37.50* | |
| | | *For Flange With Seepage Holes And Clamp Collar, Add* | *69.00* | |
| | | *For Trap Primer Connection, Add* | *39.50* | |
| | | *For Full Grate With 2" Square Center Opening, Add* | *36.00* | |
| | | *For Vandal Proof Secured Grate, Add* | *15.50* | |
| | | *For White Acid Resistant Bucket, Add* | *88.00* | |
| | | *For Stainless Steel Liner For Bucket, Add* | *97.00* | |
| 22 13 19 13-0129 | EA | 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top | 2,053.79 | 129.89 |
| | | *For Flange With Seepage Holes, Add* | *37.50* | |
| | | *For Flange With Seepage Holes And Clamp Collar, Add* | *69.00* | |
| | | *For Trap Primer Connection, Add* | *39.50* | |
| | | *For Full Grate With 2" Square Center Opening, Add* | *36.00* | |
| | | *For Vandal Proof Secured Grate, Add* | *15.50* | |
| | | *For White Acid Resistant Bucket, Add* | *88.00* | |
| | | *For Stainless Steel Liner For Bucket, Add* | *97.00* | |
| 22 13 19 13-0130 | EA | 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top | 2,081.34 | 143.68 |
| | | *For Flange With Seepage Holes, Add* | *37.50* | |
| | | *For Flange With Seepage Holes And Clamp Collar, Add* | *69.00* | |
| | | *For Trap Primer Connection, Add* | *39.50* | |
| | | *For Full Grate With 2" Square Center Opening, Add* | *36.00* | |
| | | *For Vandal Proof Secured Grate, Add* | *15.50* | |
| | | *For White Acid Resistant Bucket, Add* | *88.00* | |
| | | *For Stainless Steel Liner For Bucket, Add* | *97.00* | |
| 22 13 19 13-0131 | EA | 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top | 2,111.09 | 158.56 |
| | | *For Flange With Seepage Holes, Add* | *37.50* | |
| | | *For Flange With Seepage Holes And Clamp Collar, Add* | *69.00* | |
| | | *For Trap Primer Connection, Add* | *39.50* | |
| | | *For Full Grate With 2" Square Center Opening, Add* | *36.00* | |
| | | *For Vandal Proof Secured Grate, Add* | *15.50* | |
| | | *For White Acid Resistant Bucket, Add* | *88.00* | |
| | | *For Stainless Steel Liner For Bucket, Add* | *97.00* | |

### 22 13 19 13-0132 Floor Drain Accessories *(22 13 19 13)*

| | | | | |
|---|---|---|---|---|
| 22 13 19 13-0133 | EA | 3" Trap Guard Floor Drain Insert (ProVent TG3H)<br>Note: Prevents emission of sewer gases. | 113.93 | 13.48 |
| 22 13 19 13-0134 | EA | 2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)<br>Note: Prevents emission of sewer gases. | 92.18 | 13.48 |
| 22 13 19 13-0135 | EA | 3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33)<br>Note: Prevents emission of sewer gases. | 100.88 | 13.48 |
| 22 13 19 13-0136 | EA | 3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP)<br>Note: Prevents emission of sewer gases. | 122.62 | 13.48 |
| 22 13 19 13-0137 | EA | 3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP)<br>Note: Prevents emission of sewer gases. | 109.58 | 13.48 |
| 22 13 19 13-0138 | EA | 2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)<br>Note: Prevents emission of sewer gases. | 157.65 | 13.48 |
| 22 13 19 13-0139 | EA | 3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)<br>Note: Prevents emission of sewer gases. | 175.15 | 13.48 |
| 22 13 19 13-0140 | EA | 4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)<br>Note: Prevents emission of sewer gases. | 218.57 | 13.48 |

## 22 13 19 26 Grease Removal Devices *(22 13 19)*

### 22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)*

Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.

### 22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)*

Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.

| | | | | |
|---|---|---|---|---|
| 22 13 19 26-0003 | EA | 7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60102H. | 1,335.71 | 80.85 |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *1,320.09* | |
| 22 13 19 26-0004 | EA | 10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60103H. | 1,558.74 | 181.90 |
| | | *For Flange And Clamp Device, Add* | *381.43* | |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *1,395.34* | |
| 22 13 19 26-0005 | EA | 15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60104H. | 2,218.26 | 202.10 |
| | | *For Flange And Clamp Device, Add* | *394.90* | |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *1,524.03* | |
| 22 13 19 26-0006 | EA | 20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60105H. | 2,681.69 | 222.32 |
| | | *For Flange And Clamp Device, Add* | *408.38* | |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *1,647.28* | |
| 22 13 19 26-0007 | EA | 25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60106H. | 3,003.13 | 242.53 |
| | | *For Flange And Clamp Device, Add* | *452.25* | |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *1,715.81* | |
| 22 13 19 26-0008 | EA | 35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60107H. | 3,689.59 | 282.95 |
| | | *For Flange And Clamp Device, Add* | *490.40* | |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *1,888.71* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 19 26-0009 | EA | 50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60108H. | 4,817.79 | 323.37 |
| | | *For Flange And Clamp Device, Add* | *558.30* | |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *2,014.57* | |
| 22 13 19 26-0010 | EA | 75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60109H. | 9,500.23 | 363.79 |
| | | *For Flange And Clamp Device, Add* | *786.53* | |
| 22 13 19 26-0011 | EA | 100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60110H. | 10,752.46 | 457.80 |
| | | *For Flange And Clamp Device, Add* | *913.20* | |
| 22 13 19 26-0012 | EA | 150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60213A. | 13,251.54 | 732.48 |
| | | *For Flange And Clamp Device, Add* | *1,256.32* | |
| 22 13 19 26-0013 | EA | 200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60214A. | 19,028.01 | 915.60 |
| | | *For Flange And Clamp Device, Add* | *1,507.68* | |
| 22 13 19 26-0014 | EA | 250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60215A. | 22,193.84 | 1,098.72 |
| | | *For Flange And Clamp Device, Add* | *1,942.72* | |
| 22 13 19 26-0015 | EA | 350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60216A,. | 28,850.78 | 1,281.84 |
| | | *For Flange And Clamp Device, Add* | *2,302.56* | |
| 22 13 19 26-0016 | EA | 500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60217A. | 37,343.06 | 1,464.96 |
| | | *For Flange And Clamp Device, Add* | *2,697.92* | |
| 22 13 19 26-0017 | | **Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0001)*<br>Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series. | | |
| 22 13 19 26-0018 | EA | 20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60115A. | 3,871.70 | 222.32 |
| 22 13 19 26-0019 | EA | 35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60117A. | 4,981.02 | 282.95 |
| 22 13 19 26-0020 | EA | 50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor<br>Note: Smith 8150. | 8,231.53 | 323.37 |
| 22 13 19 26-0021 | | **Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26)*<br>Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting. | | |
| 22 13 19 26-0022 | | **Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)*<br>Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series. | | |
| 22 13 19 26-0023 | EA | 7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60102-SA. | 3,406.20 | 80.85 |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *1,320.09* | |
| 22 13 19 26-0024 | EA | 10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60103-SA. | 4,006.36 | 181.90 |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *1,395.34* | |
| 22 13 19 26-0025 | EA | 15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60104-SA. | 4,279.73 | 202.10 |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *1,524.03* | |
| 22 13 19 26-0026 | EA | 20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60105-SA. | 5,225.47 | 222.32 |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *1,647.28* | |
| 22 13 19 26-0027 | EA | 25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60106-SA. | 6,301.93 | 242.53 |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *1,715.81* | |
| 22 13 19 26-0028 | EA | 35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60107-SA. | 6,512.84 | 282.95 |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *1,888.71* | |
| 22 13 19 26-0029 | EA | 50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60108-SA. | 7,434.44 | 323.37 |
| | | *For Steel Enclosure Cabinet With Non-Skid Cover, Add* | *2,014.57* | |
| 22 13 19 26-0030 | | **Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)*<br>Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series. | | |
| 22 13 19 26-0031 | EA | 35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor<br>Note: Josam 60115A-SA. | 8,760.63 | 282.95 |
| 22 13 19 26-0032 | | **Automatic Cleaning Stainless Steel Grease Interceptor** *(22 13 19 26)* | | |
| 22 13 19 26-0033 | EA | 20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor<br>Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper). | 7,447.86 | 222.32 |
| 22 13 19 26-0034 | EA | 25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor<br>Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper). | 8,667.00 | 242.53 |
| 22 13 19 26-0035 | EA | 35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35) | 7,419.01 | 282.95 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 19 26-0036 | | **Precast Concrete Grease Interceptor** *(22 13 19 26)* | | |
| | | Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic. | | |
| 22 13 19 26-0037 | EA | 1,000 Gallon Pre-Cast Grease Interceptor | 5,568.83 | 419.79 |
| 22 13 19 26-0038 | EA | 1,250 Gallon Pre-Cast Grease Interceptor | 6,369.76 | 419.79 |
| 22 13 19 26-0039 | EA | 1,500 Gallon Pre-Cast Grease Interceptor | 7,229.66 | 479.92 |
| 22 13 19 26-0040 | EA | 2,000 Gallon Pre-Cast Grease Interceptor | 8,230.93 | 677.76 |
| 22 13 19 26-0041 | EA | 2,500 Gallon Pre-Cast Grease Interceptor | 9,271.74 | 911.88 |
| 22 13 19 26-0042 | EA | 4,000 Gallon Pre-Cast Grease Interceptor | 13,901.79 | 1,199.74 |
| 22 13 19 26-0043 | EA | 5,000 Gallon Pre-Cast Grease Interceptor | 17,859.87 | 1,967.38 |
| 22 13 19 26-0044 | | **Coated Steel Manual Oil Interceptor** *(22 13 19 26)* | | |
| | | Note: Includes internal air relief, and flow control fitting. | | |
| 22 13 19 26-0045 | EA | 10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 7,400.43 | 307.85 |
| 22 13 19 26-0046 | EA | 15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 10,039.88 | 365.80 |
| 22 13 19 26-0047 | EA | 20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 12,148.88 | 450.08 |
| 22 13 19 26-0048 | EA | 25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 13,193.70 | 487.54 |
| 22 13 19 26-0049 | EA | 35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 15,918.38 | 532.02 |
| 22 13 19 26-0050 | EA | 50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 21,150.36 | 585.28 |
| 22 13 19 26-0051 | EA | 75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 35,950.86 | 673.69 |
| 22 13 19 26-0052 | EA | 100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 39,174.30 | 828.91 |
| 22 13 19 26-0053 | EA | 150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 48,267.86 | 898.44 |
| 22 13 19 26-0054 | EA | 200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 67,812.59 | 1,077.90 |
| 22 13 19 26-0055 | EA | 250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 78,347.51 | 1,158.75 |
| 22 13 19 26-0056 | EA | 350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 98,837.46 | 1,381.88 |
| 22 13 19 26-0057 | EA | 400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 120,115.07 | 1,132.34 |
| 22 13 19 26-0058 | EA | 500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off | 142,280.78 | 1,347.39 |
| **22 13 19 33** | | **Backwater Valves** *(22 13 19)* | | |
| 22 13 19 33-0001 | | **Cast Iron Body Terminal Backwater Valves** *(22 13 19 33)* | | |
| 22 13 19 33-0002 | EA | 2" Cast Iron Body Terminal Backwater Valve | 767.46 | 30.93 |
| 22 13 19 33-0003 | EA | 3" Cast Iron Body Terminal Backwater Valve | 779.32 | 38.91 |
| 22 13 19 33-0004 | EA | 4" Cast Iron Body Terminal Backwater Valve | 1,128.78 | 51.73 |
| 22 13 19 33-0005 | EA | 6" Cast Iron Body Terminal Backwater Valve | 3,114.67 | 73.79 |
| 22 13 19 33-0006 | EA | 8" Cast Iron Body Terminal Backwater Valve | 3,801.74 | 97.11 |
| 22 13 19 33-0007 | EA | 10" Cast Iron Body Terminal Backwater Valve | 11,168.43 | 119.81 |
| 22 13 19 33-0008 | EA | 12" Cast Iron Body Terminal Backwater Valve | 12,631.44 | 155.39 |
| 22 13 19 33-0009 | | **Cast Iron Backwater Sewer Line Valve** *(22 13 19 33)* | | |
| | | Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections. | | |
| 22 13 19 33-0010 | EA | 2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly | 1,876.17 | 73.75 |
| 22 13 19 33-0011 | EA | 3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly | 2,889.88 | 89.47 |
| 22 13 19 33-0012 | EA | 4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly | 3,567.94 | 115.34 |
| 22 13 19 33-0013 | EA | 6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly | 5,061.22 | 134.06 |
| 22 13 19 33-0014 | EA | 8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly | 7,052.87 | 158.86 |
| 22 13 19 33-0015 | | **Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve** *(22 13 19 33)* | | |
| | | Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections. | | |
| 22 13 19 33-0016 | EA | 3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve | 5,256.03 | 116.74 |
| 22 13 19 33-0017 | EA | 4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve | 5,313.80 | 155.21 |
| 22 13 19 33-0018 | EA | 5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve | 7,779.91 | 198.56 |
| 22 13 19 33-0019 | EA | 6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve | 7,814.43 | 221.36 |
| 22 13 19 33-0020 | | **Polyvinyl Chloride (PVC) Backwater Sewer Line Valve** *(22 13 19 33)* | | |
| | | Note: Oatey. | | |
| 22 13 19 33-0021 | EA | 3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900) | 143.38 | 38.91 |
| 22 13 19 33-0022 | EA | 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904) | 171.38 | 51.73 |
| 22 13 19 33-0023 | EA | 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908) | 510.45 | 73.79 |
| 22 13 19 33-0024 | | **Polyvinyl Chloride (PVC) Extendable Backwater Valves** *(22 13 19 33)* | | |
| 22 13 19 33-0025 | EA | 3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) | 339.02 | 77.82 |
| | | Note: Includes valve body, flapper assembly and collar. | | |
| 22 13 19 33-0026 | EA | 4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) | 451.44 | 103.48 |
| | | Note: Includes valve body, flapper assembly and collar. | | |
| 22 13 19 33-0027 | EA | 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) | 788.47 | 147.57 |
| | | Note: Includes valve body, flapper assembly and collar. | | |
| **22 13 19 36** | | **Air-Admittance Valves** *(22 13 19)* | | |
| 22 13 19 36-0001 | | **Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent** *(22 13 19 36)* | | |
| 22 13 19 36-0002 | EA | 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent | 189.18 | 15.09 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 19 36-0003 | EA | 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent | 225.42 | 15.09 |

## 22 13 23 Sanitary Waste Interceptors *(22 13)*

### 22 13 23 00-0001 Sediment Bucket Solids Interceptors *(22 13 23)*

| | | | | |
|---|---|---|---|---|
| 22 13 23 00-0002 | EA | 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180)<br>Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials. | 1,317.41 | 152.64 |
| 22 13 23 00-0003 | EA | 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184)<br>Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials. | 1,319.07 | 152.64 |
| 22 13 23 00-0004 | EA | 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO)<br>Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials. | 1,857.94 | 152.64 |
| 22 13 23 00-0005 | EA | 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO)<br>Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials. | 1,857.94 | 152.64 |
| 22 13 23 00-0006 | EA | 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030)<br>Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials. | 1,979.93 | 152.64 |

### 22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*

| | | | | |
|---|---|---|---|---|
| 22 13 23 00-0008 | EA | 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel | 326.96 | 52.20 |
| | | *For Stainless Steel Bucket, Add* | *175.00* | |
| 22 13 23 00-0009 | EA | 2" Inlet Cast Iron Solid Interceptor, Painted Enamel | 333.63 | 55.61 |
| | | *For Stainless Steel Bucket, Add* | *175.00* | |

### 22 13 23 00-0010 Sediment Strainers *(22 13 23)*

| | | | | |
|---|---|---|---|---|
| 22 13 23 00-0011 | EA | 2" Strainer, Pump Suction Side | 190.62 | 71.15 |

## 22 13 29 Sanitary Sewerage Pumps *(22 13)*

Note: Includes extra set of gaskets, bearings and seals.

### 22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps *(22 13 29)*

### 22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) *(22 13 29 13)*

Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.

### 22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

| | | | | |
|---|---|---|---|---|
| 22 13 29 13-0003 | EA | 1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM | 7,756.70 | 1,293.06 |
| 22 13 29 13-0004 | EA | 3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM | 8,074.51 | 1,293.06 |
| 22 13 29 13-0005 | EA | 1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM | 8,392.32 | 1,293.06 |
| 22 13 29 13-0006 | EA | 1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM | 8,695.47 | 1,293.06 |

### 22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

| | | | | |
|---|---|---|---|---|
| 22 13 29 13-0008 | EA | 3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM | 8,636.79 | 1,293.06 |
| 22 13 29 13-0009 | EA | 1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM | 8,759.03 | 1,293.06 |
| 22 13 29 13-0010 | EA | 2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM | 8,844.59 | 1,293.06 |
| 22 13 29 13-0011 | EA | 3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM | 9,431.32 | 1,293.06 |
| 22 13 29 13-0012 | EA | 5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM | 10,005.82 | 1,293.06 |
| 22 13 29 13-0013 | EA | 7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM | 10,885.92 | 1,293.06 |
| 22 13 29 13-0014 | EA | 10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM | 11,766.01 | 1,293.06 |
| 22 13 29 13-0015 | EA | 15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM | 13,501.54 | 1,720.77 |

### 22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

| | | | | |
|---|---|---|---|---|
| 22 13 29 13-0017 | EA | 2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM | 9,249.27 | 1,293.06 |
| 22 13 29 13-0018 | EA | 3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM | 9,249.27 | 1,293.06 |
| 22 13 29 13-0019 | EA | 5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM | 9,461.04 | 1,293.06 |
| 22 13 29 13-0020 | EA | 7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM | 11,104.27 | 1,293.06 |
| 22 13 29 13-0021 | EA | 10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM | 11,392.52 | 1,293.06 |
| 22 13 29 13-0022 | EA | 15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM | 13,602.94 | 1,720.77 |
| 22 13 29 13-0023 | EA | 20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM | 14,336.35 | 1,720.77 |

### 22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*

| | | | |
|---|---|---|---|
| 22 13 29 13-0025 | EA | 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps | 544.22 |
| 22 13 29 13-0026 | EA | 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps | 653.44 |
| 22 13 29 13-0027 | EA | 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps | 730.37 |
| 22 13 29 13-0028 | EA | 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps | 743.67 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 29 13-0029 | EA | 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps | 834.84 | |
| **22 13 29 13-0030** | | **Float Switches** *(22 13 29 13-0001)* | | |
| | | Note: Copper coated floats, brass rods and stops and switch brackets. | | |
| 22 13 29 13-0031 | EA | Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps | 489.13 | |
| 22 13 29 13-0032 | EA | Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps | 513.82 | |
| 22 13 29 13-0033 | EA | Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps | 525.22 | |
| **22 13 29 13-0034** | | **Square Or Round Steel Sump Covers** *(22 13 29 13-0001)* | | |
| 22 13 29 13-0035 | EA | 24" Steel Sump Covers, Square Or Round | 936.65 | 43.11 |
| 22 13 29 13-0036 | EA | 30" Steel Sump Covers, Square Or Round | 1,036.77 | 48.50 |
| 22 13 29 13-0037 | EA | 36" Steel Sump Covers, Square Or Round | 1,439.87 | 64.68 |
| 22 13 29 13-0038 | EA | 40" Steel Sump Covers, Square Or Round | 2,098.08 | 75.46 |
| 22 13 29 13-0039 | EA | 42" Steel Sump Covers, Square Or Round | 2,250.64 | 78.15 |
| 22 13 29 13-0040 | EA | 48" Steel Sump Covers, Square Or Round | 2,407.71 | 80.85 |
| 22 13 29 13-0041 | EA | 54" Steel Sump Covers, Square Or Round | 3,069.85 | 97.01 |
| 22 13 29 13-0042 | EA | 60" Steel Sump Covers, Square Or Round | 4,169.67 | 107.79 |
| 22 13 29 13-0043 | EA | 72" Steel Sump Covers, Square Or Round | 5,287.83 | 134.74 |
| 22 13 29 13-0044 | EA | 84" Steel Sump Covers, Square Or Round | 6,732.51 | 148.21 |
| **22 13 29 16** | | **Submersible Sewerage Pumps** *(22 13 29)* | | |
| **22 13 29 16-0001** | | **Submersible Sewage Pumps With Vortex Impeller** *(22 13 29 16)* | | |
| **22 13 29 16-0002** | | **Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller** *(22 13 29 16-0001)* | | |
| | | Note: Includes 25' cord. | | |
| 22 13 29 16-0003 | EA | 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller | 1,625.04 | 78.43 |
| 22 13 29 16-0004 | EA | 1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller | 1,734.74 | 78.43 |
| 22 13 29 16-0005 | EA | 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller | 1,700.99 | 78.43 |
| 22 13 29 16-0006 | EA | 1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller | 1,862.72 | 78.43 |
| 22 13 29 16-0007 | EA | 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller | 1,862.72 | 78.43 |
| 22 13 29 16-0008 | EA | 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller | 1,963.44 | 98.03 |
| 22 13 29 16-0009 | EA | 1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller | 2,106.90 | 98.03 |
| 22 13 29 16-0010 | EA | 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller | 2,125.18 | 98.03 |
| **22 13 29 16-0011** | | **Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller** *(22 13 29 16-0001)* | | |
| | | Note: Includes 20' cord. | | |
| 22 13 29 16-0012 | EA | 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 1,655.98 | 78.43 |
| 22 13 29 16-0013 | EA | 1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 1,813.50 | 78.43 |
| 22 13 29 16-0014 | EA | 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 1,738.96 | 78.43 |
| 22 13 29 16-0015 | EA | 1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 1,890.85 | 78.43 |
| 22 13 29 16-0016 | EA | 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,027.27 | 78.43 |
| 22 13 29 16-0017 | EA | 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 1,876.25 | 98.03 |
| 22 13 29 16-0018 | EA | 1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,039.39 | 98.03 |
| 22 13 29 16-0019 | EA | 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,037.98 | 98.03 |
| 22 13 29 16-0020 | EA | 1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,314.82 | 158.03 |
| 22 13 29 16-0021 | EA | 1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,452.65 | 158.03 |
| 22 13 29 16-0022 | EA | 1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,476.56 | 158.03 |
| 22 13 29 16-0023 | EA | 2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,464.23 | 193.14 |
| 22 13 29 16-0024 | EA | 2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,621.75 | 193.14 |
| 22 13 29 16-0025 | EA | 2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,625.97 | 193.14 |
| **22 13 29 16-0026** | | **Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller** *(22 13 29 16-0001)* | | |
| | | Note: Includes 20' cord. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 29 16-0027 | EA | 1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 1,971.01 | 78.43 |
| 22 13 29 16-0028 | EA | 1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,238.23 | 78.43 |
| 22 13 29 16-0029 | EA | 1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller | 2,175.81 | 98.03 |
| 22 13 29 16-0030 | EA | 1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller | 2,337.55 | 98.03 |
| 22 13 29 16-0031 | EA | 1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,636.89 | 158.03 |
| 22 13 29 16-0032 | EA | 1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,798.62 | 158.03 |
| 22 13 29 16-0033 | EA | 2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,787.70 | 193.14 |
| 22 13 29 16-0034 | EA | 2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller | 2,949.44 | 193.14 |
| **22 13 29 16-0035** | | **Submersible Sewage Pumps With Semi-Open Impeller** *(22 13 29 16)* | | |
| | | Note: Includes 25' of cord with pump. | | |
| 22 13 29 16-0036 | EA | 1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 4,847.08 | 98.03 |
| 22 13 29 16-0037 | EA | 1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 5,172.19 | 166.77 |
| 22 13 29 16-0038 | EA | 2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 5,530.19 | 203.84 |
| 22 13 29 16-0039 | EA | 3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 5,774.78 | 247.06 |
| 22 13 29 16-0040 | EA | 5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 6,476.87 | 290.30 |
| 22 13 29 16-0041 | EA | 7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Ironl Housing And Semi-Open Impeller | 7,232.46 | 333.54 |
| **22 13 29 16-0042** | | **Submersible Sewage Pumps, Explosion Proof** *(22 13 29 16)* | | |
| | | Note: Includes 25' of cord with pump. | | |
| 22 13 29 16-0043 | EA | 1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 7,618.94 | 351.31 |
| 22 13 29 16-0044 | EA | 1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 7,022.28 | 351.31 |
| 22 13 29 16-0045 | EA | 1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 7,022.28 | 351.31 |
| 22 13 29 16-0046 | EA | 1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 7,967.51 | 468.40 |
| 22 13 29 16-0047 | EA | 1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 7,370.85 | 468.40 |
| 22 13 29 16-0048 | EA | 1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 7,370.85 | 468.40 |
| 22 13 29 16-0049 | EA | 2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 8,439.13 | 585.51 |
| 22 13 29 16-0050 | EA | 2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 7,842.47 | 585.51 |
| 22 13 29 16-0051 | EA | 2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 7,842.47 | 585.51 |
| 22 13 29 16-0052 | EA | 3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 8,795.15 | 702.61 |
| 22 13 29 16-0053 | EA | 3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 8,198.49 | 702.61 |
| 22 13 29 16-0054 | EA | 3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 8,198.49 | 702.61 |
| 22 13 29 16-0055 | EA | 5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 9,706.82 | 819.71 |
| 22 13 29 16-0056 | EA | 5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 9,110.16 | 819.71 |
| 22 13 29 16-0057 | EA | 5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 9,110.16 | 819.71 |
| 22 13 29 16-0058 | EA | 7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 10,035.51 | 936.82 |
| 22 13 29 16-0059 | EA | 7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller | 10,035.51 | 936.82 |
| **22 13 29 16-0060** | | **Submersible Sewage Pump Accessories** *(22 13 29 16)* | | |
| 22 13 29 16-0061 | EA | Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump<br>Note: Includes alarm horn, warning light and alarm float switch. | 797.81 | 94.55 |
| 22 13 29 16-0062 | EA | Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump<br>Note: Includes alarm horn, warning light, and alarm float switch. | 824.68 | 94.55 |
| 22 13 29 16-0063 | EA | Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump<br>Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches. | 1,638.85 | 126.07 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 29 16-0064 | EA | Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump<br>Note: Includes alarm horn and warning light. Control float switches not included. | 2,326.84 | 126.07 |
| 22 13 29 16-0065 | EA | Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors<br>Note: Includes alarm horn and warning light. Control float switches not included. | 4,813.72 | 126.07 |
| 22 13 29 16-0066 | EA | Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors<br>Note: Includes alarm horn and warning light. Control float switches not included. | 5,036.64 | 126.07 |
| 22 13 29 16-0067 | EA | Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors<br>Note: Includes alarm horn and warning light. Control float switches not included. | 8,052.58 | 157.58 |
| 22 13 29 16-0068 | EA | Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors<br>Note: Includes alarm horn and warning light. Control float switches not included. | 6,784.42 | 157.58 |
| 22 13 29 16-0069 | EA | Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps<br>Note: Includes alarm horn, warning light, and three 20' float switches. | 1,813.42 | 157.58 |
| 22 13 29 16-0070 | EA | Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps<br>Note: Includes alarm horn, warning light, and three 20' float switches. | 2,001.54 | 157.58 |
| 22 13 29 16-0071 | EA | Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps<br>Note: Includes alarm horn, warning light, and three 20' float switches. | 1,919.57 | 157.58 |
| 22 13 29 16-0072 | EA | Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps<br>Note: Includes alarm horn, warning light, and three 20' float switches. | 2,089.11 | 157.58 |
| 22 13 29 16-0073 | EA | Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps<br>Note: Includes alarm horn and warning light. Float switches not included. | 3,603.39 | 157.58 |
| 22 13 29 16-0074 | EA | Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure<br>Note: Includes alarm horn, warning light and 15' tethered float. | 664.91 | 63.03 |
| 22 13 29 16-0075 | EA | Variable Level (Clamp Type) Float Switch With 15' Cord<br>Note: Not for use with Intrinsically Safe Control Systems. | 122.16 | 31.52 |
| 22 13 29 16-0076 | EA | Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only | 138.01 | 31.52 |
| 22 13 29 16-0077 | EA | Variable Level (Adjustable Weight Type) Float Switch With 25' Cord<br>Note: Not for use with Intrinsically Safe Control Systems. | 158.27 | 31.52 |
| 22 13 29 16-0078 | EA | Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only | 155.02 | 31.52 |
| 22 13 29 16-0079 | EA | Float Switch Tree With (3) 15' Floats<br>Note: Not for use with Intrinsically Safe Control Systems. | 486.60 | 31.52 |
| 22 13 29 16-0080 | EA | Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only | 496.72 | 31.52 |
| 22 13 29 16-0081 | EA | Float Switch Tree And (4) Floats With 15' Cords<br>Note: Not for use with Intrinsically Safe Control Systems. | 542.52 | 31.52 |
| 22 13 29 16-0082 | EA | Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only | 565.90 | 31.52 |
| 22 13 29 16-0083 | EA | Float Switch Tree<br>Note: Tree only. | 256.16 | 31.52 |
| 22 13 29 16-0084 | EA | Adjustable Weight For Float Switch | 66.94 | 15.75 |
| 22 13 29 16-0085 | EA | Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge<br>Note: Lifting equipment not included. | 1,368.60 | 94.55 |
| 22 13 29 16-0086 | EA | Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge<br>Note: Lifting equipment not included. | 2,150.54 | 126.07 |
| 22 13 29 16-0087 | EA | Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge<br>Note: Lifting equipment not included. | 2,810.48 | 157.58 |
| 22 13 29 16-0088 | EA | Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge | 2,754.14 | 94.55 |
| 22 13 29 16-0089 | EA | Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge | 3,893.34 | 94.55 |
| 22 13 29 16-0090 | EA | Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System | 386.09 | 63.03 |
| 22 13 29 16-0091 | EA | Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems | 687.40 | 78.79 |
| 22 13 29 16-0092 | EA | Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems | 685.37 | 94.55 |
| 22 13 29 16-0093 | EA | 12' Stainless Steel Lifting Cable | 190.24 | 31.52 |
| 22 13 29 16-0094 | EA | Disconnect Fitting For 2" Horizontal Discharge<br>Note: Used for shallow systems where guide rails are not necessary. | 383.16 | 31.52 |

## 22 13 29 33 Sewerage Pump Basins and Pits *(22 13 29)*

### 22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

### 22 13 29 33-0002 High-Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

| | | | | |
|---|---|---|---|---|
| 22 13 29 33-0003 | EA | 18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub | 154.51 | |
| 22 13 29 33-0004 | EA | 18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub | 200.95 | |
| 22 13 29 33-0005 | EA | 24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub | 464.97 | |
| 22 13 29 33-0006 | EA | 24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub | 655.10 | |
| 22 13 29 33-0007 | EA | 30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub | 845.22 | |
| 22 13 29 33-0008 | EA | 36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub | 984.03 | |

### 22 13 29 33-0009 Fiberglass Basin *(22 13 29 33-0001)*

| | | | | |
|---|---|---|---|---|
| 22 13 29 33-0010 | EA | 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub | 395.98 | |
| 22 13 29 33-0011 | EA | 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub | 811.22 | |
| 22 13 29 33-0012 | EA | 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub | 1,461.18 | |
| 22 13 29 33-0013 | EA | 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub | 1,969.12 | |
| 22 13 29 33-0014 | EA | 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub | 2,269.70 | |
| 22 13 29 33-0015 | EA | 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub | 2,397.07 | |
| 22 13 29 33-0016 | EA | 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub | 2,817.19 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 29 33-0017 | EA | 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub | 3,271.98 | |

## 22 13 29 36 Explosion Proof Submersible Sewerage Pumps *(22 13 29)*

22 13 29 36-0001 Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) *(22 13 29 36)*

22 13 29 36-0002 Ebara 3" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP *(22 13 29 36-0001)*

| | | | | |
|---|---|---|---|---|
| 22 13 29 36-0003 | EA | 2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU61.5 | 3,218.91 | 215.58 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For 3" x 3" Discharge Elbow, Add* | *152.15* | |
| | | *For 3" x 4" Discharge Elbow, Add* | *184.45* | |
| | | *For Guide Rail System, Add* | *381.65* | |
| 22 13 29 36-0004 | EA | 2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU61.5 | 3,218.91 | 215.58 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For 3" x 3" Discharge Elbow, Add* | *152.15* | |
| | | *For 3" x 4" Discharge Elbow, Add* | *184.45* | |
| | | *For Guide Rail System, Add* | *381.65* | |
| 22 13 29 36-0005 | EA | 3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU62.2 | 4,210.20 | 258.69 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0006 | EA | 3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU62.2 | 4,092.25 | 258.69 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 3" x 3" Discharge Elbow, Add* | *152.15* | |
| | | *For 3" x 4" Discharge Elbow, Add* | *184.45* | |
| | | *For Guide Rail System, Add* | *381.65* | |
| 22 13 29 36-0007 | EA | 5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU63.7 | 4,733.74 | 344.93 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0008 | EA | 5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU63.7 | 4,853.87 | 344.93 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 3" x 3" Discharge Elbow, Add* | *152.15* | |
| | | *For 3" x 4" Discharge Elbow, Add* | *184.45* | |
| | | *For Guide Rail System, Add* | *381.65* | |
| 22 13 29 36-0009 | EA | 7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU65.5 | 6,537.21 | 431.16 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0010 | EA | 7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU65.5 | 6,591.81 | 431.16 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 3" x 3" Discharge Elbow, Add* | *152.15* | |
| | | *For 3" x 4" Discharge Elbow, Add* | *184.45* | |
| | | *For Guide Rail System, Add* | *381.65* | |
| 22 13 29 36-0011 | EA | 10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU67.5 | 7,629.74 | 517.40 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0012 | EA | 10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU67.5 | 7,596.98 | 517.40 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 3" x 3" Discharge Elbow, Add* | *152.15* | |
| | | *For 3" x 4" Discharge Elbow, Add* | *184.45* | |
| | | *For Guide Rail System, Add* | *589.90* | |
| 22 13 29 36-0013 | EA | 15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU611 | 8,795.43 | 603.63 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0014 | EA | 15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU611 | 8,761.57 | 603.63 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 3" x 3" Discharge Elbow, Add* | *152.15* | |
| | | *For 3" x 4" Discharge Elbow, Add* | *184.45* | |
| | | *For Guide Rail System, Add* | *589.90* | |
| 22 13 29 36-0015 | EA | 20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU615 | 10,055.05 | 689.87 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0016 | EA | 25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU618 | 12,373.97 | 776.09 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 29 36-0017 | EA | 30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU622 | 13,775.55 | 862.32 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0018 | | Ebara 4" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP *(22 13 29 36-0001)* | | |
| 22 13 29 36-0019 | EA | 2 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU61.5 | 3,887.27 | 215.58 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 3" x 3" Discharge Elbow, Add* | *152.15* | |
| | | *For 3" x 4" Discharge Elbow, Add* | *184.45* | |
| | | *For Guide Rail System, Add* | *381.65* | |
| 22 13 29 36-0020 | EA | 3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU62.2 | 4,384.93 | 258.69 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For 3" x 3" Discharge Elbow, Add* | *152.15* | |
| | | *For 3" x 4" Discharge Elbow, Add* | *184.45* | |
| | | *For Guide Rail System, Add* | *381.65* | |
| 22 13 29 36-0021 | EA | 3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU62.2 | 4,210.20 | 258.69 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0022 | EA | 5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU63.7 | 4,967.45 | 344.93 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For 3" x 3" Discharge Elbow, Add* | *152.15* | |
| | | *For 3" x 4" Discharge Elbow, Add* | *184.45* | |
| | | *For Guide Rail System, Add* | *381.65* | |
| 22 13 29 36-0023 | EA | 5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFMU63.7 | 4,733.74 | 344.93 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0024 | EA | 7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU65.5 | 7,411.96 | 431.16 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 5" x 4" Discharge Elbow, Add* | *285.60* | |
| | | *For 5" x 6" Discharge Elbow, Add* | *277.95* | |
| | | *For Guide Rail System, Add* | *1,064.20* | |
| 22 13 29 36-0025 | EA | 7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU65.5 | 6,537.21 | 431.16 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0026 | EA | 10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU67.5 | 8,132.09 | 517.40 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 5" x 4" Discharge Elbow, Add* | *285.60* | |
| | | *For 5" x 6" Discharge Elbow, Add* | *277.95* | |
| | | *For Guide Rail System, Add* | *1,064.20* | |
| 22 13 29 36-0027 | EA | 10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU67.5 | 7,629.74 | 517.40 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0028 | EA | 15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU611 | 9,253.01 | 603.63 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 5" x 4" Discharge Elbow, Add* | *285.60* | |
| | | *For 5" x 6" Discharge Elbow, Add* | *277.95* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0029 | EA | 15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU611 | 8,795.43 | 603.63 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0030 | EA | 20 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU615 | 10,545.39 | 689.87 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 5" x 4" Discharge Elbow, Add* | *285.60* | |
| | | *For 5" x 6" Discharge Elbow, Add* | *277.95* | |
| | | *For Guide Rail System, Add* | *1,064.20* | |
| 22 13 29 36-0031 | EA | 20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU615 | 10,055.05 | 689.87 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0032 | EA | 25 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU618 | 12,700.50 | 776.09 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 5" x 4" Discharge Elbow, Add* | *285.60* | |
| | | *For 5" x 6" Discharge Elbow, Add* | *277.95* | |
| | | *For Guide Rail System, Add* | *1,064.20* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 29 36-0033 | EA | 25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU618 | 12,373.97 | 776.09 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0034 | EA | 30 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU622 | 14,091.16 | 862.32 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 5" x 4" Discharge Elbow, Add* | *285.60* | |
| | | *For 5" x 6" Discharge Elbow, Add* | *277.95* | |
| | | *For Guide Rail System, Add* | *1,064.20* | |
| 22 13 29 36-0035 | EA | 30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU622 | 13,775.55 | 862.32 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0036 | EA | 30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU630 | 21,058.63 | 862.32 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0037 | EA | 30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU637 | 26,122.61 | 862.32 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 13 29 36-0038 | EA | 30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU645 | 27,620.94 | 862.32 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 4" x 3" Discharge Elbow, Add* | *184.45* | |
| | | *For 4" x 4" Discharge Elbow, Add* | *170.00* | |
| | | *For 4" x 6" Discharge Elbow, Add* | *214.20* | |
| | | *For Guide Rail System, Add* | *754.80* | |

## 22 13 29 36-0039 Ebara 6" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP

*(22 13 29 36-0001)*

| | | | | |
|---|---|---|---|---|
| 22 13 29 36-0040 | EA | 10 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU67.5 | 8,458.63 | 517.40 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 6" x 6" Discharge Elbow, Add* | *323.85* | |
| | | *For 6" x 8" Discharge Elbow, Add* | *471.75* | |
| | | *For Guide Rail System, Add* | *1,206.15* | |
| 22 13 29 36-0041 | EA | 15 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU611 | 9,583.91 | 603.63 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 6" x 6" Discharge Elbow, Add* | *323.85* | |
| | | *For 6" x 8" Discharge Elbow, Add* | *471.75* | |
| | | *For Guide Rail System, Add* | *1,206.15* | |
| 22 13 29 36-0042 | EA | 20 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU615 | 10,844.62 | 689.87 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 6" x 6" Discharge Elbow, Add* | *323.85* | |
| | | *For 6" x 8" Discharge Elbow, Add* | *471.75* | |
| | | *For Guide Rail System, Add* | *1,206.15* | |
| 22 13 29 36-0043 | EA | 25 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU618 | 12,549.80 | 776.09 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 6" x 6" Discharge Elbow, Add* | *323.85* | |
| | | *For 6" x 8" Discharge Elbow, Add* | *471.75* | |
| | | *For Guide Rail System, Add* | *1,206.15* | |
| 22 13 29 36-0044 | EA | 30 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU622 | 14,699.45 | 862.32 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 6" x 6" Discharge Elbow, Add* | *323.85* | |
| | | *For 6" x 8" Discharge Elbow, Add* | *471.75* | |
| | | *For Guide Rail System, Add* | *1,206.15* | |
| 22 13 29 36-0045 | EA | 40 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU630 | 21,743.81 | 948.56 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *2,537.25* | |
| 22 13 29 36-0046 | EA | 50 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU637 | 26,677.17 | 1,034.79 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *2,537.25* | |
| 22 13 29 36-0047 | EA | 60 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU645 | 28,393.27 | 1,121.03 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *2,537.25* | |

## 22 13 29 36-0048 Ebara 8" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP

*(22 13 29 36-0001)*

| | | | | |
|---|---|---|---|---|
| 22 13 29 36-0049 | EA | 10 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU675 | 8,955.52 | 517.40 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 6" x 6" Discharge Elbow, Add* | *323.85* | |
| | | *For 6" x 8" Discharge Elbow, Add* | *471.75* | |
| | | *For Guide Rail System, Add* | *1,206.15* | |
| 22 13 29 36-0050 | EA | 15 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU611 | 9,665.82 | 603.63 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 6" x 6" Discharge Elbow, Add* | *323.85* | |
| | | *For 6" x 8" Discharge Elbow, Add* | *471.75* | |
| | | *For Guide Rail System, Add* | *1,206.15* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 29 36-0051 | EA | 20 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU61 | 10,854.45 | 689.87 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 6" x 6" Discharge Elbow, Add* | *323.85* | |
| | | *For 6" x 8" Discharge Elbow, Add* | *471.75* | |
| | | *For Guide Rail System, Add* | *1,206.15* | |
| 22 13 29 36-0052 | EA | 25 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU618 | 12,549.80 | 776.09 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 6" x 6" Discharge Elbow, Add* | *323.85* | |
| | | *For 6" x 8" Discharge Elbow, Add* | *471.75* | |
| | | *For Guide Rail System, Add* | *1,206.15* | |
| 22 13 29 36-0053 | EA | 30 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU622 | 14,699.45 | 862.32 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For 6" x 6" Discharge Elbow, Add* | *323.85* | |
| | | *For 6" x 8" Discharge Elbow, Add* | *471.75* | |
| | | *For Guide Rail System, Add* | *1,206.15* | |
| 22 13 29 36-0054 | EA | 40 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU630 | 21,398.71 | 948.56 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *4,195.60* | |
| 22 13 29 36-0055 | EA | 50 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU637 | 26,840.98 | 1,034.79 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *4,195.60* | |
| 22 13 29 36-0056 | EA | 60 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU645 | 28,564.73 | 1,121.03 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *4,195.60* | |
| 22 13 29 36-0057 | | Ebara 10" Model DLFU Wet Pit Submersible Sewage Pump, 15 HP - 60 HP *(22 13 29 36-0001)* | | |
| 22 13 29 36-0058 | EA | 15 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU611 | 11,095.35 | 603.63 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0059 | EA | 20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLBFU615 | 12,142.01 | 689.87 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0060 | EA | 20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLCFU615 | 12,906.47 | 689.87 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0061 | EA | 25 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU618 | 14,711.02 | 776.09 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0062 | EA | 30 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU622 | 15,988.11 | 862.32 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0063 | EA | 40 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU630 | 22,874.11 | 948.56 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0064 | EA | 50 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU637 | 28,558.83 | 1,034.79 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0065 | EA | 60 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU645 | 30,283.66 | 1,121.03 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0066 | | Ebara 12" Model DLFU Wet Pit Submersible Sewage Pump, 25HP - 60HP *(22 13 29 36-0001)* | | |
| 22 13 29 36-0067 | EA | 25 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU618 | 15,383.74 | 776.09 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0068 | EA | 30 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU622 | 16,635.71 | 862.32 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0069 | EA | 40 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU630 | 23,561.03 | 948.56 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0070 | EA | 50 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU637 | 29,191.14 | 1,034.79 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0071 | EA | 60 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU645 | 30,907.24 | 1,121.03 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *3,562.35* | |
| 22 13 29 36-0072 | | Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) *(22 13 29 36)* | | |
| 22 13 29 36-0073 | | Ebara 6", 8", 10", 12" Model DSC Submersible Sewage Pumps, 75 HP - 245 HP *(22 13 29 36-0072)* | | |
| 22 13 29 36-0074 | EA | 75 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0852 | 89,402.76 | 1,207.26 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *4,420.00* | |
| 22 13 29 36-0075 | EA | 75 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052 | 97,756.08 | 1,207.26 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *4,420.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 29 36-0076 | EA | 100 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0932 | 100,756.14 | 1,336.61 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *4,420.00* | |
| 22 13 29 36-0077 | EA | 100 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052 | 103,103.02 | 1,336.61 |
| | | *For Guide Rail System, Add* | *4,420.00* | |
| | | *For 20' Stainless Steel Chain, Add* | *590.75* | |
| 22 13 29 36-0078 | EA | 100 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, Ebara DSC C1203 | 90,830.22 | 1,336.61 |
| | | *For Guide Rail System, Add* | *5,695.00* | |
| | | *For 20' Stainless Steel Chain, Add* | *590.75* | |
| 22 13 29 36-0079 | EA | 120 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012 | 117,481.47 | 1,465.95 |
| | | *For Guide Rail System, Add* | *5,270.00* | |
| | | *For 20' Stainless Steel Chain, Add* | *590.75* | |
| 22 13 29 36-0080 | EA | 120 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1152 | 105,004.45 | 1,465.95 |
| | | *For Guide Rail System, Add* | *5,270.00* | |
| | | *For 20' Stainless Steel Chain, Add* | *590.75* | |
| 22 13 29 36-0081 | EA | 145 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012 | 105,109.08 | 1,638.42 |
| | | *For Guide Rail System, Add* | *6,375.00* | |
| | | *For 20' Stainless Steel Chain, Add* | *590.75* | |
| 22 13 29 36-0082 | EA | 145 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102 | 124,765.43 | 1,638.42 |
| | | *For Guide Rail System, Add* | *6,375.00* | |
| | | *For 20' Stainless Steel Chain, Add* | *590.75* | |
| 22 13 29 36-0083 | EA | 200 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102 | 142,020.08 | 1,810.88 |
| | | *For Guide Rail System, Add* | *6,970.00* | |
| | | *For 20' Stainless Steel Chain, Add* | *845.75* | |
| 22 13 29 36-0084 | EA | 200 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC G1102 | 142,020.08 | 1,810.88 |
| | | *For Guide Rail System, Add* | *6,970.00* | |
| | | *For 20' Stainless Steel Chain, Add* | *845.75* | |
| 22 13 29 36-0085 | EA | 245 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC G1102 | 147,201.79 | 1,983.35 |
| | | *For Guide Rail System, Add* | *9,180.00* | |
| | | *For 20' Stainless Steel Chain, Add* | *845.75* | |
| 22 13 29 36-0086 | EA | 245 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC E1262 | 149,276.74 | 1,983.35 |
| | | *For Guide Rail System, Add* | *9,180.00* | |
| | | *For 20' Stainless Steel Chain, Add* | *845.75* | |

## 22 13 29 36-0087 Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) *(22 13 29 36)*

## 22 13 29 36-0088 Ebara Model DLFU Dry Pit Submersible Sewage Pump, 15 HP - 60 HP *(22 13 29 36-0087)*

| | | | | |
|---|---|---|---|---|
| 22 13 29 36-0089 | EA | 3" x 4" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU611 | 13,942.40 | 603.63 |
| 22 13 29 36-0090 | EA | 3" x 4" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU615 | 15,665.06 | 689.87 |
| 22 13 29 36-0091 | EA | 3" x 4" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU618 | 17,140.90 | 776.09 |
| 22 13 29 36-0092 | EA | 3" x 4" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU622 | 18,226.87 | 862.32 |
| 22 13 29 36-0093 | EA | 4" x 6" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU611 | 14,408.72 | 603.63 |
| 22 13 29 36-0094 | EA | 4" x 6" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU615 | 15,731.68 | 689.87 |
| 22 13 29 36-0095 | EA | 4" x 6" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU618 | 17,606.13 | 776.09 |
| 22 13 29 36-0096 | EA | 4" x 6" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU622 | 18,938.91 | 862.32 |
| 22 13 29 36-0097 | EA | 4" x 6" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU61130 | 26,657.08 | 948.56 |
| 22 13 29 36-0098 | EA | 4" x 6" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU637 | 31,263.91 | 1,034.79 |
| 22 13 29 36-0099 | EA | 4" x 6" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU645 | 32,502.77 | 1,121.03 |
| 22 13 29 36-0100 | EA | 8" x 10" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU611 | 14,877.22 | 603.63 |
| 22 13 29 36-0101 | EA | 8" x 10" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU615 | 16,014.53 | 689.87 |
| 22 13 29 36-0102 | EA | 8" x 10" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU618 | 17,728.44 | 776.09 |
| 22 13 29 36-0103 | EA | 8" x 10" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU622 | 19,375.74 | 862.32 |
| 22 13 29 36-0104 | EA | 8" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU630 | 27,449.93 | 948.56 |
| 22 13 29 36-0105 | EA | 8" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU637 | 33,899.10 | 1,034.79 |
| 22 13 29 36-0106 | EA | 8" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU645 | 34,281.77 | 1,121.03 |
| 22 13 29 36-0107 | EA | 8" X 8" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU630 | 28,412.70 | 862.32 |
| 22 13 29 36-0108 | EA | 8" X 8" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU637 | 34,000.66 | 1,034.79 |
| 22 13 29 36-0109 | EA | 8" X 8" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU645 | 34,542.77 | 1,121.03 |
| 22 13 29 36-0110 | EA | 10" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU630 | 33,785.08 | 948.56 |
| 22 13 29 36-0111 | EA | 10" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU637 | 34,000.66 | 1,034.79 |
| 22 13 29 36-0112 | EA | 10" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU645 | 34,564.61 | 1,121.03 |
| 22 13 29 36-0113 | EA | 12" X 12" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU630 | 29,060.74 | 948.56 |
| 22 13 29 36-0114 | EA | 12" X 12" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU637 | 34,166.66 | 1,034.79 |
| 22 13 29 36-0115 | EA | 12" X 12" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU645 | 34,629.05 | 1,121.03 |

## 22 13 29 36-0116 Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) *(22 13 29 36)*

## 22 13 29 36-0117 Ebara Model DSC Dry Pit Submersible Sewage Pump, 75 HP - 245 HP *(22 13 29 36-0116)*

| | | | | |
|---|---|---|---|---|
| 22 13 29 36-0118 | EA | 10" x 6" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0852 | 91,499.49 | 1,207.26 |
| 22 13 29 36-0119 | EA | 10" x 8" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052 | 99,868.50 | 1,207.26 |
| 22 13 29 36-0120 | EA | 10" x 6" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0932 | 103,369.88 | 1,336.61 |
| 22 13 29 36-0121 | EA | 10" x 8" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052 | 105,446.90 | 1,336.61 |
| 22 13 29 36-0122 | EA | 16" x 12" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC C1203 | 92,018.07 | 1,336.61 |
| 22 13 29 36-0123 | EA | 10" x 6" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012 | 120,365.69 | 1,465.95 |
| 22 13 29 36-0124 | EA | 10" x 8" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1152 | 105,770.28 | 1,465.95 |
| 22 13 29 36-0125 | EA | 10" x 6" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012 | 106,201.44 | 1,638.42 |
| 22 13 29 36-0126 | EA | 10" x 8" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102 | 125,661.47 | 1,638.42 |
| 22 13 29 36-0127 | EA | 12" x 8" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102 | 149,770.74 | 1,810.88 |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 29 36-0128 | EA | 14" x 10" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102 | 146,331.93 | 1,746.21 |
| 22 13 29 36-0129 | EA | 12" x 8" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102 | 149,617.83 | 1,983.35 |
| 22 13 29 36-0130 | EA | 14" x 10" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1262 | 149,617.83 | 1,983.35 |

## 22 13 33 Packaged, Submersible Sewerage Pump Units *(22 13)*

### 22 13 33 00-0001 Submersible Pumps (Flygt) *(22 13 33)*

### 22 13 33 00-0002 Wet Pit Submersible Pumps (Flygt) *(22 13 33 00-0001)*

### 22 13 33 00-0003 Wet Pit Submersible Explosion Proof Pumps (Flygt) *(22 13 33 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0004 | EA | 3 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3085)<br>Note: FLS and 50' electrical cable | 15,221.31 | 258.69 |
| 22 13 33 00-0005 | EA | 4 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3085)<br>Note: FLS and 50' electrical cable | 15,891.59 | 301.82 |
| 22 13 33 00-0006 | EA | 5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3102)<br>Note: FLS and 50' electrical cable | 19,012.73 | 344.93 |
| 22 13 33 00-0007 | EA | 7 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3102)<br>Note: FLS and 50' electrical cable | 17,942.62 | 431.16 |
| 22 13 33 00-0008 | EA | 7.5 To 8.5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3127)<br>Note: FLS and 50' electrical cable | 25,264.38 | 474.28 |
| 22 13 33 00-0009 | EA | 10 To 12 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3127)<br>Note: FLS and 50' electrical cable | 29,458.27 | 517.40 |
| 22 13 33 00-0010 | EA | 12 To 14 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153)<br>Note: FLS and 50' electrical cable | 44,452.01 | 560.51 |
| 22 13 33 00-0011 | EA | 15 To 17 HP, 3" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153)<br>Note: FLS and 50' electrical cable | 46,699.28 | 603.63 |
| 22 13 33 00-0012 | EA | 20 To 23 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153)<br>Note: FLS and 50' electrical cable | 50,794.05 | 689.87 |
| 22 13 33 00-0013 | EA | 18 To 25 HP, 4" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171)<br>Note: FLS and 50' electrical cable | 64,103.64 | 776.09 |
| 22 13 33 00-0014 | EA | 30 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171)<br>Note: FLS and 50' electrical cable | 70,468.46 | 862.32 |
| 22 13 33 00-0015 | EA | 34 To 35 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171)<br>Note: FLS and 50' electrical cable | 84,684.76 | 905.45 |
| 22 13 33 00-0016 | EA | 34 To 45 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202)<br>Note: FLS and 50' electrical cable | 117,167.98 | 948.56 |
| 22 13 33 00-0017 | EA | 50 To 60 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202)<br>Note: FLS and 50' electrical cable | 131,498.72 | 1,121.03 |
| 22 13 33 00-0018 | EA | 67 To 72 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202)<br>Note: FLS and 50' electrical cable | 127,034.25 | 1,164.14 |
| 22 13 33 00-0019 | EA | 60 To 70 HP, 10" To 14" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301)<br>Note: FLS and 50' electrical cable | 162,281.72 | 1,207.26 |
| 22 13 33 00-0020 | EA | 85 HP, 6" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301)<br>Note: FLS and 50' electrical cable | 179,408.22 | 1,293.49 |
| 22 13 33 00-0021 | EA | 105 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301)<br>Note: FLS and 50' electrical cable | 182,615.07 | 1,379.72 |
| 22 13 33 00-0022 | EA | 70 To 90 HP, 14" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315)<br>Note: FLS and 50' electrical cable | 160,531.97 | 1,207.26 |
| 22 13 33 00-0023 | EA | 110 To 140 HP, 10" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315)<br>Note: FLS and 50' electrical cable | 188,395.30 | 1,465.95 |
| 22 13 33 00-0024 | EA | 130 To 160 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315)<br>Note: FLS and 50' electrical cable | 184,404.87 | 1,638.42 |
| 22 13 33 00-0025 | EA | 3 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3085)<br>Note: FLS and 50' electrical cable | 16,175.54 | 258.69 |
| 22 13 33 00-0026 | EA | 4 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3085)<br>Note: FLS and 50' electrical cable | 16,845.82 | 301.82 |
| 22 13 33 00-0027 | EA | 5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3102)<br>Note: FLS and 50' electrical cable | 20,619.85 | 344.93 |
| 22 13 33 00-0028 | EA | 7 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3102)<br>Note: FLS and 50' electrical cable | 19,549.74 | 431.16 |
| 22 13 33 00-0029 | EA | 7.5 To 8.5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3127)<br>Note: FLS and 50' electrical cable | 26,881.54 | 474.28 |
| 22 13 33 00-0030 | EA | 10 To 12 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3127)<br>Note: FLS and 50' electrical cable | 31,075.43 | 517.40 |
| 22 13 33 00-0031 | EA | 12 To 14 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153)<br>Note: FLS and 50' electrical cable | 46,139.48 | 560.51 |
| 22 13 33 00-0032 | EA | 15 To 17 HP, 3" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153)<br>Note: FLS and 50' electrical cable | 48,386.75 | 603.63 |
| 22 13 33 00-0033 | EA | 20 To 23 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153)<br>Note: FLS and 50' electrical cable | 52,481.53 | 689.87 |
| 22 13 33 00-0034 | EA | 18 To 25 HP, 4" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171)<br>Note: FLS and 50' electrical cable | 66,956.28 | 776.09 |
| 22 13 33 00-0035 | EA | 30 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171)<br>Note: FLS and 50' electrical cable | 73,321.10 | 862.32 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0036 | EA | 34 To 35 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171)<br>Note: FLS and 50' electrical cable | 87,537.40 | 905.45 |
| 22 13 33 00-0037 | EA | 34 To 45 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202)<br>Note: FLS and 50' electrical cable | 120,020.62 | 948.56 |
| 22 13 33 00-0038 | EA | 50 To 60 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202)<br>Note: FLS and 50' electrical cable | 134,351.36 | 1,121.03 |
| 22 13 33 00-0039 | EA | 67 To 72 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202)<br>Note: FLS and 50' electrical cable | 131,252.94 | 1,164.14 |
| 22 13 33 00-0040 | EA | 60 To 70 HP, 10" To 14" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301)<br>Note: FLS and 50' electrical cable | 166,500.41 | 1,207.26 |
| 22 13 33 00-0041 | EA | 85 HP, 6" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301)<br>Note: FLS and 50' electrical cable | 183,626.91 | 1,293.49 |
| 22 13 33 00-0042 | EA | 105 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301)<br>Note: FLS and 50' electrical cable | 186,833.76 | 1,379.72 |
| 22 13 33 00-0043 | EA | 70 To 90 HP, 14" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3315)<br>Note: FLS and 50' electrical cable | 164,750.66 | 1,207.26 |
| 22 13 33 00-0044 | EA | 130 To 160 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3315)<br>Note: FLS and 50' electrical cable | 188,824.45 | 1,638.42 |

## 22 13 33 00-0045 Dry Pit Submersible Vertical Pumps (Flygt) *(22 13 33 00-0001)*

## 22 13 33 00-0046 Dry Pit Submersible Vertical Non-Explosion Proof Pumps (Flygt) *(22 13 33 00-0045)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0047 | EA | 3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3085)<br>Note: FLS and 50' electrical cable. Includes stand and inlet elbow. | 14,805.47 | 258.69 |
| 22 13 33 00-0048 | EA | 4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3085)<br>Note: FLS and 50' electrical cable. Includes stand and inlet elbow. | 15,485.79 | 301.82 |
| 22 13 33 00-0049 | EA | 5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3102)<br>Note: FLS and 50' electrical cable. Includes stand and inlet elbow. | 17,632.62 | 344.93 |
| 22 13 33 00-0050 | EA | 7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3102)<br>Note: FLS and 50' electrical cable. Includes stand and inlet elbow. | 17,737.71 | 431.16 |
| 22 13 33 00-0051 | EA | 7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3127)<br>Note: FLS and 50' electrical cable. Includes stand and inlet elbow. | 26,437.57 | 474.28 |
| 22 13 33 00-0052 | EA | 10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3127)<br>Note: FLS and 50' electrical cable. Includes stand and inlet elbow. | 29,337.73 | 517.40 |
| 22 13 33 00-0053 | EA | 15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3153)<br>Note: FLS and 50' electrical cable | 44,043.51 | 603.63 |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *2,004.88* | |
| 22 13 33 00-0054 | EA | 20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3153)<br>Note: FLS and 50' electrical cable | 47,893.20 | 689.87 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *1,416.27* | |
| 22 13 33 00-0055 | EA | 18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171)<br>Note: FLS and 50' electrical cable | 60,242.54 | 776.09 |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *3,290.58* | |
| 22 13 33 00-0056 | EA | 30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171)<br>Note: FLS and 50' electrical cable | 64,861.62 | 862.32 |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *2,049.08* | |
| 22 13 33 00-0057 | EA | 34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171)<br>Note: FLS and 50' electrical cable | 80,723.21 | 905.45 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *2,049.08* | |
| 22 13 33 00-0058 | EA | 34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202)<br>Note: FLS and 50' electrical cable | 108,517.66 | 948.56 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,712.88* | |
| 22 13 33 00-0059 | EA | 50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202)<br>Note: FLS and 50' electrical cable | 134,114.31 | 1,121.03 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,712.88* | |
| 22 13 33 00-0060 | EA | 67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202)<br>Note: FLS and 50' electrical cable | 128,315.93 | 1,164.14 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *2,119.39* | |
| 22 13 33 00-0061 | EA | 85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3301)<br>Note: FLS and 50' electrical cable | 142,733.74 | 1,293.49 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0062 | EA | 105 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3301)<br>Note: FLS and 50' electrical cable | 147,425.16 | 1,379.72 |
| | | *For Inlet Elbow, Add* | *4,479.85* | |
| | | *For Stand, Add* | *4,415.56* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0063 | EA | 70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3315) | 145,545.58 | 1,207.26 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *8,113.95* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0064 | EA | 110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3315) | 185,185.08 | 1,465.95 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *8,113.95* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0065 | EA | 3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3085) | 15,759.69 | 258.69 |
| | | Note: FLS and 50' electrical cable | | |
| 22 13 33 00-0066 | EA | 4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3085) | 16,440.02 | 301.82 |
| | | Note: FLS and 50' electrical cable | | |
| 22 13 33 00-0067 | EA | 5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3102) | 19,249.78 | 344.93 |
| | | Note: FLS and 50' electrical cable | | |
| 22 13 33 00-0068 | EA | 7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3102) | 19,354.87 | 431.16 |
| | | Note: FLS and 50' electrical cable | | |
| 22 13 33 00-0069 | EA | 7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3127) | 28,054.74 | 474.28 |
| | | Note: FLS and 50' electrical cable | | |
| 22 13 33 00-0070 | EA | 10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3127) | 30,954.90 | 517.40 |
| | | Note: FLS and 50' electrical cable | | |
| 22 13 33 00-0071 | EA | 12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) | 41,382.41 | 560.51 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *1,416.27* | |
| 22 13 33 00-0072 | EA | 15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) | 45,751.07 | 603.63 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *2,004.88* | |
| 22 13 33 00-0073 | EA | 20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) | 49,600.76 | 689.87 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *1,416.27* | |
| 22 13 33 00-0074 | EA | 18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) | 63,085.13 | 776.09 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *3,290.58* | |
| 22 13 33 00-0075 | EA | 30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) | 67,704.22 | 862.32 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *2,049.08* | |
| 22 13 33 00-0076 | EA | 34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) | 83,565.80 | 905.45 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *2,049.08* | |
| 22 13 33 00-0077 | EA | 34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) | 111,360.25 | 948.56 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,712.88* | |
| 22 13 33 00-0078 | EA | 50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) | 136,956.90 | 1,121.03 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,712.88* | |
| 22 13 33 00-0079 | EA | 67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) | 132,534.62 | 1,164.14 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *2,119.39* | |
| 22 13 33 00-0080 | EA | 60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) | 132,783.04 | 1,207.26 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0081 | EA | 85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) | 146,952.43 | 1,293.49 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0082 | EA | 105 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) | 151,643.85 | 1,379.72 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *4,479.85* | |
| | | *For Stand, Add* | *4,415.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0083 | EA | 70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)<br>Note: FLS and 50' electrical cable | 149,764.27 | 1,207.26 |
| | | *For Inlet Elbow, Add* | *8,113.95* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0084 | EA | 110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)<br>Note: FLS and 50' electrical cable | 189,403.77 | 1,465.95 |
| | | *For Inlet Elbow, Add* | *8,113.95* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0085 | EA | 130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)<br>Note: FLS and 50' electrical cable | 172,743.21 | 1,638.42 |
| | | *For Inlet Elbow, Add* | *8,113.95* | |
| | | *For Stand, Add* | *4,415.56* | |

## 22 13 33 00-0086 Dry Pit Submersible Vertical Explosion Proof Pumps (Flygt) *(22 13 33 00-0045)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0087 | EA | 3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3085)<br>Note: FLS and 50' electrical cable. Includes stand and inlet elbow. | 16,607.45 | 258.69 |
| 22 13 33 00-0088 | EA | 4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3085)<br>Note: FLS and 50' electrical cable. Includes stand and inlet elbow. | 17,287.78 | 301.82 |
| 22 13 33 00-0089 | EA | 7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3102)<br>Note: FLS and 50' electrical cable. Includes stand and inlet elbow. | 19,539.69 | 431.16 |
| 22 13 33 00-0090 | EA | 7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3127)<br>Note: FLS and 50' electrical cable. Includes stand and inlet elbow. | 28,657.41 | 474.28 |
| 22 13 33 00-0091 | EA | 12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153)<br>Note: FLS and 50' electrical cable | 42,115.66 | 560.51 |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *1,416.27* | |
| 22 13 33 00-0092 | EA | 15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153)<br>Note: FLS and 50' electrical cable | 46,484.32 | 603.63 |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *2,004.88* | |
| 22 13 33 00-0093 | EA | 20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153)<br>Note: FLS and 50' electrical cable | 50,334.01 | 689.87 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *1,416.27* | |
| 22 13 33 00-0094 | EA | 18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3171)<br>Note: FLS and 50' electrical cable | 63,513.02 | 776.09 |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *3,290.58* | |
| 22 13 33 00-0095 | EA | 34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3171)<br>Note: FLS and 50' electrical cable | 83,993.70 | 905.45 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *2,049.08* | |
| 22 13 33 00-0096 | EA | 34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202)<br>Note: FLS and 50' electrical cable | 111,788.15 | 948.56 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,712.88* | |
| 22 13 33 00-0097 | EA | 50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202)<br>Note: FLS and 50' electrical cable | 137,384.80 | 1,121.03 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,712.88* | |
| 22 13 33 00-0098 | EA | 67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202)<br>Note: FLS and 50' electrical cable | 131,586.42 | 1,164.14 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *2,119.39* | |
| 22 13 33 00-0099 | EA | 60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301)<br>Note: FLS and 50' electrical cable | 135,649.74 | 1,207.26 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0100 | EA | 85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301)<br>Note: FLS and 50' electrical cable | 149,819.14 | 1,293.49 |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0101 | EA | 105 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301)<br>Note: FLS and 50' electrical cable | 154,510.55 | 1,379.72 |
| | | *For Inlet Elbow, Add* | *4,479.85* | |
| | | *For Stand, Add* | *4,415.56* | |
| 22 13 33 00-0102 | EA | 70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315)<br>Note: FLS and 50' electrical cable | 152,831.86 | 1,207.26 |
| | | *For Inlet Elbow, Add* | *8,113.95* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0103 | EA | 110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315)<br>Note: FLS and 50' electrical cable | 192,471.36 | 1,465.95 |
| | | *For Inlet Elbow, Add* | *8,113.95* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0104 | EA | 130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315)<br>Note: FLS and 50' electrical cable | 175,599.86 | 1,638.42 |
| | | *For Inlet Elbow, Add* | *8,113.95* | |
| | | *For Stand, Add* | *4,415.56* | |
| 22 13 33 00-0105 | EA | 3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3085)<br>Note: FLS and 50' electrical cable | 17,561.68 | 258.69 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0106 | EA | 4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3085) | 18,242.00 | 301.82 |
| | | Note: FLS and 50' electrical cable | | |
| 22 13 33 00-0107 | EA | 5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3102) | 21,051.76 | 344.93 |
| | | Note: FLS and 50' electrical cable | | |
| 22 13 33 00-0108 | EA | 7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3102) | 21,156.86 | 431.16 |
| | | Note: FLS and 50' electrical cable | | |
| 22 13 33 00-0109 | EA | 7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3127) | 30,274.57 | 474.28 |
| | | Note: FLS and 50' electrical cable | | |
| 22 13 33 00-0110 | EA | 10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3127) | 33,174.73 | 517.40 |
| | | Note: FLS and 50' electrical cable | | |
| 22 13 33 00-0111 | EA | 12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) | 43,823.22 | 560.51 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *1,416.27* | |
| 22 13 33 00-0112 | EA | 15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) | 48,191.89 | 603.63 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *2,004.88* | |
| 22 13 33 00-0113 | EA | 20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) | 52,041.58 | 689.87 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *1,416.27* | |
| 22 13 33 00-0114 | EA | 18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) | 66,355.62 | 776.09 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *3,290.58* | |
| 22 13 33 00-0115 | EA | 30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) | 70,974.71 | 862.32 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *2,525.19* | |
| | | *For Stand, Add* | *2,049.08* | |
| 22 13 33 00-0116 | EA | 34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) | 86,836.29 | 905.45 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *2,049.08* | |
| 22 13 33 00-0117 | EA | 34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) | 114,630.74 | 948.56 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,712.88* | |
| 22 13 33 00-0118 | EA | 50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) | 140,227.39 | 1,121.03 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,712.88* | |
| 22 13 33 00-0119 | EA | 67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) | 135,805.11 | 1,164.14 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *2,119.39* | |
| 22 13 33 00-0120 | EA | 60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) | 139,868.43 | 1,207.26 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0121 | EA | 85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) | 154,037.83 | 1,293.49 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *3,411.11* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0122 | EA | 105 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) | 158,729.24 | 1,379.72 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *4,479.85* | |
| | | *For Stand, Add* | *4,415.56* | |
| 22 13 33 00-0123 | EA | 70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) | 157,050.55 | 1,207.26 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *8,113.95* | |
| | | *For Stand, Add* | *4,781.18* | |
| 22 13 33 00-0124 | EA | 110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) | 196,690.05 | 1,465.95 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Inlet Elbow, Add* | *8,113.95* | |
| | | *For Stand, Add* | *4,781.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0125 | EA | 130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)<br>Note: FLS and 50' electrical cable | 180,029.49 | 1,638.42 |
| | | *For Inlet Elbow, Add* | *8,113.95* | |
| | | *For Stand, Add* | *4,415.56* | |
| 22 13 33 00-0126 | | **Dry Pit Submersible Horizontal Pumps (Flygt)** *(22 13 33 00-0001)* | | |
| 22 13 33 00-0127 | | **Dry Pit Submersible Horizontal Non-Explosion Proof Pumps (Flygt)** *(22 13 33 00-0126)* | | |
| 22 13 33 00-0128 | EA | 3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3085)<br>Note: FLS and 50' electrical cable | 13,332.94 | 258.69 |
| | | *For Steel Z Stand Kit, Add* | *3,565.80* | |
| 22 13 33 00-0129 | EA | 4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3085)<br>Note: FLS and 50' electrical cable | 11,725.13 | 301.82 |
| | | *For Steel Z Stand Kit, Add* | *3,565.80* | |
| 22 13 33 00-0130 | EA | 5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3102)<br>Note: FLS and 50' electrical cable | 15,768.36 | 344.93 |
| | | *For Steel Z Stand Kit, Add* | *3,445.26* | |
| 22 13 33 00-0131 | EA | 7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3102)<br>Note: FLS and 50' electrical cable | 15,323.01 | 431.16 |
| | | *For Steel Z Stand Kit, Add* | *3,445.26* | |
| 22 13 33 00-0132 | EA | 7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3127)<br>Note: FLS and 50' electrical cable | 23,520.65 | 474.28 |
| | | *For Steel Z Stand Kit, Add* | *3,816.91* | |
| 22 13 33 00-0133 | EA | 10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3127)<br>Note: FLS and 50' electrical cable | 26,244.03 | 517.40 |
| | | *For Steel Z Stand Kit, Add* | *3,816.91* | |
| 22 13 33 00-0134 | EA | 15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3153)<br>Note: FLS and 50' electrical cable | 44,041.50 | 603.63 |
| | | *For Steel Z Stand Kit, Add* | *7,151.68* | |
| | | *For Horizontal Service Car, Add* | *7,121.55* | |
| 22 13 33 00-0135 | EA | 20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3153)<br>Note: FLS and 50' electrical cable | 47,893.20 | 689.87 |
| | | *For Steel Z Stand Kit, Add* | *7,151.68* | |
| | | *For Horizontal Service Car, Add* | *7,121.55* | |
| 22 13 33 00-0136 | EA | 18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171)<br>Note: FLS and 50' electrical cable | 60,242.54 | 776.09 |
| | | *For Steel Z Stand Kit, Add* | *5,886.08* | |
| | | *For Horizontal Service Car, Add* | *9,496.07* | |
| 22 13 33 00-0137 | EA | 30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171)<br>Note: FLS and 50' electrical cable | 64,861.62 | 862.32 |
| | | *For Steel Z Stand Kit, Add* | *5,886.08* | |
| | | *For Horizontal Service Car, Add* | *9,496.07* | |
| 22 13 33 00-0138 | EA | 34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171)<br>Note: FLS and 50' electrical cable | 80,727.23 | 905.45 |
| | | *For Steel Z Stand Kit, Add* | *5,886.08* | |
| | | *For Horizontal Service Car, Add* | *9,496.07* | |
| 22 13 33 00-0139 | EA | 34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202)<br>Note: FLS and 50' electrical cable | 108,515.65 | 948.56 |
| | | *For Steel Z Stand Kit, Add* | *8,276.67* | |
| | | *For Horizontal Service Car, Add* | *10,848.06* | |
| 22 13 33 00-0140 | EA | 50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202)<br>Note: FLS and 50' electrical cable | 134,114.31 | 1,121.03 |
| | | *For Steel Z Stand Kit, Add* | *8,276.67* | |
| | | *For Horizontal Service Car, Add* | *10,848.06* | |
| 22 13 33 00-0141 | EA | 67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202)<br>Note: FLS and 50' electrical cable | 128,315.93 | 1,164.14 |
| | | *For Steel Z Stand Kit, Add* | *8,276.67* | |
| | | *For Horizontal Service Car, Add* | *10,848.06* | |
| 22 13 33 00-0142 | EA | 60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301)<br>Note: FLS and 50' electrical cable | 128,564.35 | 1,207.26 |
| | | *For Steel Z Stand Kit, Add* | *11,189.57* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0143 | EA | 85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301)<br>Note: FLS and 50' electrical cable | 136,705.04 | 1,293.49 |
| | | *For Steel Z Stand Kit, Add* | *11,189.57* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0144 | EA | 105 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301)<br>Note: FLS and 50' electrical cable | 145,416.26 | 1,379.72 |
| | | *For Steel Z Stand Kit, Add* | *11,189.57* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0145 | EA | 70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315)<br>Note: FLS and 50' electrical cable | 145,545.58 | 1,207.26 |
| | | *For Steel Z Stand Kit, Add* | *13,710.74* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0146 | EA | 110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315)<br>Note: FLS and 50' electrical cable | 185,185.08 | 1,465.95 |
| | | *For Steel Z Stand Kit, Add* | *13,710.74* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0147 | EA | 130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315)<br>Note: FLS and 50' electrical cable | 168,313.58 | 1,638.42 |
| | | *For Steel Z Stand Kit, Add* | *13,710.74* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0148 | EA | 3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)<br>Note: FLS and 50' electrical cable | 14,287.17 | 258.69 |
| | | *For Steel Z Stand Kit, Add* | *3,565.80* | |
| 22 13 33 00-0149 | EA | 4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)<br>Note: FLS and 50' electrical cable | 12,679.36 | 301.82 |
| | | *For Steel Z Stand Kit, Add* | *3,565.80* | |
| 22 13 33 00-0150 | EA | 5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)<br>Note: FLS and 50' electrical cable | 17,385.52 | 344.93 |
| | | *For Steel Z Stand Kit, Add* | *3,445.26* | |
| 22 13 33 00-0151 | EA | 7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)<br>Note: FLS and 50' electrical cable | 16,940.17 | 431.16 |
| | | *For Steel Z Stand Kit, Add* | *3,445.26* | |
| 22 13 33 00-0152 | EA | 7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)<br>Note: FLS and 50' electrical cable | 25,137.81 | 474.28 |
| | | *For Steel Z Stand Kit, Add* | *3,816.91* | |
| 22 13 33 00-0153 | EA | 10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)<br>Note: FLS and 50' electrical cable | 27,861.19 | 517.40 |
| | | *For Steel Z Stand Kit, Add* | *3,816.91* | |
| 22 13 33 00-0154 | EA | 12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)<br>Note: FLS and 50' electrical cable | 41,382.41 | 560.51 |
| | | *For Steel Z Stand Kit, Add* | *7,151.68* | |
| | | *For Horizontal Service Car, Add* | *7,121.55* | |
| 22 13 33 00-0155 | EA | 15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)<br>Note: FLS and 50' electrical cable | 45,749.07 | 603.63 |
| | | *For Steel Z Stand Kit, Add* | *7,151.68* | |
| | | *For Horizontal Service Car, Add* | *7,121.55* | |
| 22 13 33 00-0156 | EA | 20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)<br>Note: FLS and 50' electrical cable | 49,600.76 | 689.87 |
| | | *For Steel Z Stand Kit, Add* | *7,151.68* | |
| | | *For Horizontal Service Car, Add* | *7,121.55* | |
| 22 13 33 00-0157 | EA | 18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)<br>Note: FLS and 50' electrical cable | 63,085.13 | 776.09 |
| | | *For Steel Z Stand Kit, Add* | *5,886.08* | |
| | | *For Horizontal Service Car, Add* | *9,496.07* | |
| 22 13 33 00-0158 | EA | 30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)<br>Note: FLS and 50' electrical cable | 67,704.22 | 862.32 |
| | | *For Steel Z Stand Kit, Add* | *5,886.08* | |
| | | *For Horizontal Service Car, Add* | *9,496.07* | |
| 22 13 33 00-0159 | EA | 34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)<br>Note: FLS and 50' electrical cable | 83,569.82 | 905.45 |
| | | *For Steel Z Stand Kit, Add* | *5,886.08* | |
| | | *For Horizontal Service Car, Add* | *9,496.07* | |
| 22 13 33 00-0160 | EA | 34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)<br>Note: FLS and 50' electrical cable | 111,358.24 | 948.56 |
| | | *For Steel Z Stand Kit, Add* | *8,276.67* | |
| | | *For Horizontal Service Car, Add* | *10,848.06* | |
| 22 13 33 00-0161 | EA | 50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)<br>Note: FLS and 50' electrical cable | 136,956.90 | 1,121.03 |
| | | *For Steel Z Stand Kit, Add* | *8,276.67* | |
| | | *For Horizontal Service Car, Add* | *10,848.06* | |
| 22 13 33 00-0162 | EA | 67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)<br>Note: FLS and 50' electrical cable | 132,534.62 | 1,164.14 |
| | | *For Steel Z Stand Kit, Add* | *8,276.67* | |
| | | *For Horizontal Service Car, Add* | *10,848.06* | |
| 22 13 33 00-0163 | EA | 60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)<br>Note: FLS and 50' electrical cable | 132,783.04 | 1,207.26 |
| | | *For Steel Z Stand Kit, Add* | *11,189.57* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0164 | EA | 85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)<br>Note: FLS and 50' electrical cable | 140,923.73 | 1,293.49 |
| | | *For Steel Z Stand Kit, Add* | *11,189.57* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0165 | EA | 105 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)<br>Note: FLS and 50' electrical cable | 149,634.95 | 1,379.72 |
| | | *For Steel Z Stand Kit, Add* | *11,189.57* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0166 | EA | 70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315) | 149,764.27 | 1,207.26 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *13,710.74* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0167 | EA | 110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315) | 189,403.77 | 1,465.95 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *13,710.74* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0168 | EA | 130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315) | 172,743.21 | 1,638.42 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *13,710.74* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |

## 22 13 33 00-0169 Dry Pit Submersible Horizontal Explosion Proof Pumps (Flygt) *(22 13 33 00-0126)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0170 | EA | 3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3085) | 15,134.93 | 258.69 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *3,565.80* | |
| 22 13 33 00-0171 | EA | 4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3085) | 13,527.12 | 301.82 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *3,565.80* | |
| 22 13 33 00-0172 | EA | 5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3102) | 17,570.34 | 344.93 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *3,445.26* | |
| 22 13 33 00-0173 | EA | 7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3102) | 17,124.99 | 431.16 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *3,445.26* | |
| 22 13 33 00-0174 | EA | 7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3127) | 25,740.48 | 474.28 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *3,816.91* | |
| 22 13 33 00-0175 | EA | 10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3127) | 28,463.86 | 517.40 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *3,816.91* | |
| 22 13 33 00-0176 | EA | 12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153) | 42,115.66 | 560.51 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *7,151.68* | |
| | | *For Horizontal Service Car, Add* | *7,121.55* | |
| 22 13 33 00-0177 | EA | 15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153) | 46,482.31 | 603.63 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *7,151.68* | |
| | | *For Horizontal Service Car, Add* | *7,121.55* | |
| 22 13 33 00-0178 | EA | 20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153) | 50,334.01 | 689.87 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *7,151.68* | |
| | | *For Horizontal Service Car, Add* | *7,121.55* | |
| 22 13 33 00-0179 | EA | 18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171) | 63,513.02 | 776.09 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *5,886.08* | |
| | | *For Horizontal Service Car, Add* | *9,496.07* | |
| 22 13 33 00-0180 | EA | 30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171) | 68,132.11 | 862.32 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *5,886.08* | |
| | | *For Horizontal Service Car, Add* | *9,496.07* | |
| 22 13 33 00-0181 | EA | 34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171) | 83,997.72 | 905.45 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *5,886.08* | |
| | | *For Horizontal Service Car, Add* | *9,496.07* | |
| 22 13 33 00-0182 | EA | 34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202) | 111,786.14 | 948.56 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *8,276.67* | |
| | | *For Horizontal Service Car, Add* | *10,848.06* | |
| 22 13 33 00-0183 | EA | 50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202) | 137,384.80 | 1,121.03 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *8,276.67* | |
| | | *For Horizontal Service Car, Add* | *10,848.06* | |
| 22 13 33 00-0184 | EA | 67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202) | 131,586.42 | 1,164.14 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *8,276.67* | |
| | | *For Horizontal Service Car, Add* | *10,848.06* | |
| 22 13 33 00-0185 | EA | 60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301) | 135,649.74 | 1,207.26 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *11,189.57* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0186 | EA | 85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301) | 143,790.43 | 1,293.49 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *11,189.57* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0187 | EA | 105 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301) | 152,501.65 | 1,379.72 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *11,189.57* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0188 | EA | 70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315) | 152,831.86 | 1,207.26 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *13,710.74* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0189 | EA | 110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315) | 192,471.36 | 1,465.95 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *13,710.74* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0190 | EA | 130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315) | 175,599.86 | 1,638.42 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *13,710.74* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0191 | EA | 3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085) | 16,089.15 | 258.69 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *3,565.80* | |
| 22 13 33 00-0192 | EA | 4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085) | 14,481.34 | 301.82 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *3,565.80* | |
| 22 13 33 00-0193 | EA | 5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102) | 19,187.51 | 344.93 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *3,445.26* | |
| 22 13 33 00-0194 | EA | 7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102) | 18,742.16 | 431.16 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *3,445.26* | |
| 22 13 33 00-0195 | EA | 7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127) | 27,357.65 | 474.28 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *3,816.91* | |
| 22 13 33 00-0196 | EA | 10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127) | 30,081.03 | 517.40 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *3,816.91* | |
| 22 13 33 00-0197 | EA | 12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153) | 43,823.22 | 560.51 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *7,151.68* | |
| | | *For Horizontal Service Car, Add* | *7,121.55* | |
| 22 13 33 00-0198 | EA | 15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153) | 48,189.88 | 603.63 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *7,151.68* | |
| | | *For Horizontal Service Car, Add* | *7,121.55* | |
| 22 13 33 00-0199 | EA | 20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153) | 52,041.58 | 689.87 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *7,151.68* | |
| | | *For Horizontal Service Car, Add* | *7,121.55* | |
| 22 13 33 00-0200 | EA | 18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171) | 66,355.62 | 776.09 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *5,886.08* | |
| | | *For Horizontal Service Car, Add* | *9,496.07* | |
| 22 13 33 00-0201 | EA | 30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171) | 70,974.71 | 862.32 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *5,886.08* | |
| | | *For Horizontal Service Car, Add* | *9,496.07* | |
| 22 13 33 00-0202 | EA | 34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171) | 86,840.31 | 905.45 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *5,886.08* | |
| | | *For Horizontal Service Car, Add* | *9,496.07* | |
| 22 13 33 00-0203 | EA | 34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202) | 114,628.73 | 948.56 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *8,276.67* | |
| | | *For Horizontal Service Car, Add* | *10,848.06* | |
| 22 13 33 00-0204 | EA | 50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202) | 140,227.39 | 1,121.03 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *8,276.67* | |
| | | *For Horizontal Service Car, Add* | *10,848.06* | |
| 22 13 33 00-0205 | EA | 67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202) | 135,805.11 | 1,164.14 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *8,276.67* | |
| | | *For Horizontal Service Car, Add* | *10,848.06* | |
| 22 13 33 00-0206 | EA | 60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301) | 139,868.43 | 1,207.26 |
| | | Note: FLS and 50' electrical cable | | |
| | | *For Steel Z Stand Kit, Add* | *11,189.57* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0207 | EA | 85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)<br>Note: FLS and 50' electrical cable | 148,009.12 | 1,293.49 |
| | | *For Steel Z Stand Kit, Add* | *11,189.57* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0208 | EA | 105 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)<br>Note: FLS and 50' electrical cable | 156,720.34 | 1,379.72 |
| | | *For Steel Z Stand Kit, Add* | *11,189.57* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0209 | EA | 70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)<br>Note: FLS and 50' electrical cable | 157,050.55 | 1,207.26 |
| | | *For Steel Z Stand Kit, Add* | *13,710.74* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0210 | EA | 110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)<br>Note: FLS and 50' electrical cable | 196,690.05 | 1,465.95 |
| | | *For Steel Z Stand Kit, Add* | *13,710.74* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |
| 22 13 33 00-0211 | EA | 130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)<br>Note: FLS and 50' electrical cable | 180,029.49 | 1,638.42 |
| | | *For Steel Z Stand Kit, Add* | *13,710.74* | |
| | | *For Horizontal Service Car, Add* | *13,961.86* | |

## 22 13 33 00-0212 Submersible Pump Add-On Accessories (Flygt) *(22 13 33 00-0001)*

| | | | |
|---|---|---|---|
| 22 13 33 00-0213 | EA | 3" Stainless Steel Discharge Connection Package for 2" Guide Rails<br>Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable | 4,218.69 |
| 22 13 33 00-0214 | EA | 4" Stainless Steel Discharge Connection Package for 2" Guide Rails<br>Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable | 4,620.47 |
| 22 13 33 00-0215 | EA | 6" Stainless Steel Discharge Connection Package for 2" Guide Rails<br>Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable | 5,022.25 |
| 22 13 33 00-0216 | EA | 8" Stainless Steel Discharge Connection Package for 2" Guide Rails<br>Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable | 6,328.04 |
| 22 13 33 00-0217 | EA | 6" Stainless Steel Discharge Connection Package for 3" Guide Rails<br>Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable | 12,656.07 |
| 22 13 33 00-0218 | EA | 8" Stainless Steel Discharge Connection Package for 3" Guide Rails<br>Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable | 12,656.07 |
| 22 13 33 00-0219 | EA | 10" Stainless Steel Discharge Connection Package for 3" Guide Rails<br>Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable | 13,961.86 |
| 22 13 33 00-0220 | EA | 12" Stainless Steel Discharge Connection Package for 3" Guide Rails<br>Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable | 18,180.54 |
| 22 13 33 00-0221 | EA | 14" Stainless Steel Discharge Connection Package for 3" Guide Rails<br>Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable | 21,093.45 |
| 22 13 33 00-0222 | EA | Mini CAS Unit: Thermal and Seal Protection Relay Unit Price | 1,034.58 |

## 22 13 33 00-0223 Submersible Pumps (Vaughan) *(22 13 33)*

## 22 13 33 00-0224 Electric Submersible Pumps (Vaughan) *(22 13 33 00-0223)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0225 | EA | 5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3F/3G) | 18,610.95 | 344.93 |
| 22 13 33 00-0226 | EA | 7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3F/3G) | 20,972.04 | 431.16 |
| 22 13 33 00-0227 | EA | 5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M) | 20,756.46 | 344.93 |
| 22 13 33 00-0228 | EA | 7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M) | 22,876.47 | 431.16 |
| 22 13 33 00-0229 | EA | 10 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M) | 24,998.51 | 517.40 |
| 22 13 33 00-0230 | EA | 15 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M) | 27,478.12 | 603.63 |
| 22 13 33 00-0231 | EA | 7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P) | 24,067.75 | 431.16 |
| 22 13 33 00-0232 | EA | 10 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P) | 26,071.26 | 517.40 |
| 22 13 33 00-0233 | EA | 15 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P) | 28,430.34 | 603.63 |
| 22 13 33 00-0234 | EA | 20 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P) | 29,837.21 | 689.87 |
| 22 13 33 00-0235 | EA | 15 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W) | 29,145.51 | 603.63 |
| 22 13 33 00-0236 | EA | 20 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W) | 30,552.38 | 689.87 |
| 22 13 33 00-0237 | EA | 25 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W) | 34,817.90 | 776.09 |
| 22 13 33 00-0238 | EA | 30 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W) | 36,700.86 | 862.32 |
| 22 13 33 00-0239 | EA | 5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L) | 29,332.45 | 344.93 |
| 22 13 33 00-0240 | EA | 5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L) | 24,924.92 | 344.93 |
| 22 13 33 00-0241 | EA | 5 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L) | 22,363.58 | 344.93 |
| 22 13 33 00-0242 | EA | 7.5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L) | 31,333.94 | 431.16 |
| 22 13 33 00-0243 | EA | 7.5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L) | 26,926.42 | 431.16 |
| 22 13 33 00-0244 | EA | 7.5 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L) | 24,543.86 | 431.16 |
| 22 13 33 00-0245 | EA | 10 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L) | 28,572.34 | 517.40 |
| 22 13 33 00-0246 | EA | 10 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L) | 26,547.37 | 517.40 |
| 22 13 33 00-0247 | EA | 15 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L) | 28,906.45 | 603.63 |


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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0248 | EA | 20 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L) | 30,433.85 | 689.87 |
| 22 13 33 00-0249 | EA | 25 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L) | 34,102.73 | 776.09 |
| 22 13 33 00-0250 | EA | 5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T) | 26,831.37 | 344.93 |
| 22 13 33 00-0251 | EA | 7.5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T) | 33,240.39 | 431.16 |
| 22 13 33 00-0252 | EA | 7.5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T) | 28,832.86 | 431.16 |
| 22 13 33 00-0253 | EA | 10 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T) | 34,052.62 | 517.40 |
| 22 13 33 00-0254 | EA | 10 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T) | 30,478.79 | 517.40 |
| 22 13 33 00-0255 | EA | 15 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T) | 34,505.25 | 603.63 |
| 22 13 33 00-0256 | EA | 15 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T) | 30,812.89 | 603.63 |
| 22 13 33 00-0257 | EA | 20 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T) | 36,269.70 | 689.87 |
| 22 13 33 00-0258 | EA | 20 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T) | 31,743.65 | 689.87 |
| 22 13 33 00-0259 | EA | 25 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T) | 40,298.18 | 776.09 |
| 22 13 33 00-0260 | EA | 25 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T) | 35,533.07 | 776.09 |
| 22 13 33 00-0261 | EA | 30 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T) | 39,798.59 | 862.32 |
| 22 13 33 00-0262 | EA | 5 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X) | 37,671.39 | 344.93 |
| 22 13 33 00-0263 | EA | 7.5 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X) | 40,149.00 | 431.16 |
| 22 13 33 00-0264 | EA | 7.5 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X) | 35,741.47 | 431.16 |
| 22 13 33 00-0265 | EA | 10 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X) | 40,842.70 | 517.40 |
| 22 13 33 00-0266 | EA | 10 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X) | 37,268.87 | 517.40 |
| 22 13 33 00-0267 | EA | 15 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X) | 49,037.64 | 603.63 |
| 22 13 33 00-0268 | EA | 15 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X) | 41,295.33 | 603.63 |
| 22 13 33 00-0269 | EA | 20 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X) | 42,941.26 | 689.87 |
| 22 13 33 00-0270 | EA | 25 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X) | 46,967.72 | 776.09 |
| 22 13 33 00-0271 | EA | 25 HP, 1750 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X) | 42,202.61 | 776.09 |
| 22 13 33 00-0272 | EA | 30 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X) | 49,089.75 | 862.32 |
| 22 13 33 00-0273 | EA | 30 HP, 1750 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X) | 46,468.14 | 862.32 |
| 22 13 33 00-0274 | EA | 10 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N) | 43,938.42 | 517.40 |
| 22 13 33 00-0275 | EA | 15 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N) | 52,135.36 | 603.63 |
| 22 13 33 00-0276 | EA | 15 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N) | 44,274.53 | 603.63 |
| 22 13 33 00-0277 | EA | 20 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N) | 61,523.59 | 689.87 |
| 22 13 33 00-0278 | EA | 20 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N) | 46,036.98 | 689.87 |
| 22 13 33 00-0279 | EA | 25 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N) | 62,215.28 | 776.09 |
| 22 13 33 00-0280 | EA | 25 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N) | 50,065.45 | 776.09 |
| 22 13 33 00-0281 | EA | 30 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N) | 65,289.52 | 862.32 |
| 22 13 33 00-0282 | EA | 30 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N) | 52,066.94 | 862.32 |
| 22 13 33 00-0283 | EA | 30 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8P) | 52,066.94 | 862.32 |
| 22 13 33 00-0284 | EA | 25 HP, 870 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R) | 71,269.39 | 776.09 |
| 22 13 33 00-0285 | EA | 30 HP, 870 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R) | 74,343.63 | 862.32 |
| 22 13 33 00-0286 | EA | 30 HP, 1170 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R) | 61,478.64 | 862.32 |

## 22 13 33 00-0287 Horizontal Chopper Pumps (Vaughan) *(22 13 33 00-0223)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0288 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3F6/HE3G6) | 19,065.59 | 538.95 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0289 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3L6/HE3M6) | 20,017.81 | 538.95 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0290 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3P6) | 20,493.92 | 538.95 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0291 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3V6/HE3W6) | 20,493.92 | 538.95 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0292 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE4K6/HE4L6) | 21,187.63 | 646.74 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0293 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE4S6/HE4T6) | 22,139.85 | 646.74 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0294 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE6U8) | 24,369.66 | 808.43 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0295 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE6W8/6X) | 24,369.66 | 808.43 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0296 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3F6/HE3G6) | 19,541.70 | 538.95 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0297 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3L6/HE3M6) | 20,493.92 | 538.95 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0298 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3P6) | 20,972.04 | 538.95 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0299 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3V6/HE3W6) | 20,972.04 | 538.95 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0300 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE4K6/HE4L6) | 21,663.74 | 646.74 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0301 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE4S6/HE4T6) | 22,615.95 | 646.74 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0302 | EA | 3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE6U8) | 24,845.77 | 808.43 |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| | | *For Base, Deduct* | *-1,104.88* | |
| 22 13 33 00-0303 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3F6/STHE3G6) | 27,046.95 | 538.95 |
| 22 13 33 00-0304 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3L6/STHE3M6) | 28,238.23 | 538.95 |
| 22 13 33 00-0305 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3P6) | 29,429.51 | 538.95 |
| 22 13 33 00-0306 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3V6/STHE3W6) | 29,429.51 | 538.95 |
| 22 13 33 00-0307 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE4K6/STHE4L6) | 30,121.21 | 646.74 |
| 22 13 33 00-0308 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE4S6/STHE4T6) | 36,790.75 | 646.74 |
| 22 13 33 00-0309 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE6U8) | 44,976.96 | 808.43 |
| 22 13 33 00-0310 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE6W8/6X) | 44,976.96 | 808.43 |
| 22 13 33 00-0311 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3F6/STHE3G6) | 27,523.06 | 538.95 |
| 22 13 33 00-0312 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3L6/STHE3M6) | 28,714.34 | 538.95 |
| 22 13 33 00-0313 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3P6) | 29,905.62 | 538.95 |
| 22 13 33 00-0314 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3V6/STHE3W6) | 29,905.62 | 538.95 |
| 22 13 33 00-0315 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE4K6/STHE4L6) | 30,597.31 | 646.74 |
| 22 13 33 00-0316 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE4S6/STHE4T6) | 37,268.87 | 646.74 |
| 22 13 33 00-0317 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE6U8) | 45,453.07 | 808.43 |
| 22 13 33 00-0318 | EA | 3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE6W8/6X) | 45,453.07 | 808.43 |

## 22 13 33 00-0319 Horizontal End Suction Pumps (Vaughan) *(22 13 33 00-0223)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0320 | EA | 8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HES) | 39,106.90 | 970.11 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,008.90* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0321 | EA | 8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HET) | 41,489.45 | 970.11 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,008.90* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0322 | EA | 8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HE) | 48,398.06 | 970.11 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,008.90* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0323 | EA | 8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HER) | 48,398.06 | 970.11 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,008.90* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0324 | EA | 8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HES) | 50,780.62 | 970.11 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,008.90* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0325 | EA | 8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8N-HE) | 48,398.06 | 970.11 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,008.90* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0326 | EA | 8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HE) | 65,744.16 | 1,185.70 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,209.79* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0327 | EA | 8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HER) | 65,744.16 | 1,185.70 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,209.79* | |
| | | *For Coupling, Deduct* | *-401.78* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0328 | EA | 8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HE) | 78,088.10 | 1,401.28 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,410.68* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0329 | EA | 8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HER) | 78,088.10 | 1,401.28 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,410.68* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0330 | EA | 8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HES) | 64,360.78 | 970.11 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,008.90* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0331 | EA | 8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HET) | 66,743.34 | 970.11 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,008.90* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0332 | EA | 8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HE) | 82,467.00 | 970.11 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,008.90* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0333 | EA | 8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HER) | 82,467.00 | 970.11 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,008.90* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0334 | EA | 8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HES) | 84,849.55 | 970.11 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,008.90* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0335 | EA | 8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8N-HE) | 82,467.00 | 970.11 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,008.90* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0336 | EA | 8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HE) | 107,912.98 | 1,185.70 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,209.79* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0337 | EA | 8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HER) | 107,912.98 | 1,185.70 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,209.79* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0338 | EA | 8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HE) | 126,450.36 | 1,401.28 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,410.68* | |
| | | *For Coupling, Deduct* | *-401.78* | |
| 22 13 33 00-0339 | EA | 8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HER) | 126,450.36 | 1,401.28 |
| | | *For Stool, Deduct* | *-1,004.45* | |
| | | *For No Base, Deduct* | *-2,410.68* | |
| | | *For Coupling, Deduct* | *-401.78* | |

## 22 13 33 00-0340 Vertical Pedestal Chopper Pumps (Vaughan) *(22 13 33 00-0223)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0341 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3F6/PE3G6) | 19,065.59 | 538.95 |
| | | *For Pedestal, Deduct* | *-1,104.88* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| 22 13 33 00-0342 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3L6/PE3M6) | 20,017.81 | 538.95 |
| | | *For Pedestal, Deduct* | *-1,104.88* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| 22 13 33 00-0343 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3P6) | 20,493.92 | 538.95 |
| | | *For Pedestal, Deduct* | *-1,104.88* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| 22 13 33 00-0344 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3V6/PE3W6) | 20,493.92 | 538.95 |
| | | *For Pedestal, Deduct* | *-1,104.88* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| 22 13 33 00-0345 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE4K6/PE4L6) | 21,187.63 | 646.74 |
| | | *For Pedestal, Deduct* | *-1,258.72* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| 22 13 33 00-0346 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE4S6/PE4T6) | 22,139.85 | 646.74 |
| | | *For Pedestal, Deduct* | *-1,258.72* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| 22 13 33 00-0347 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE6U8) | 24,845.77 | 808.43 |
| | | *For pedestal, Deduct* | *-1,607.12* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0348 | EA | Ductile Iron And Stainless Steel, Upgraded Roller Thrust And Radial Bearing, Vertical Dry Pit Pedestal (Vaughan 8K-PES) | 39,820.06 | 970.11 |
| | | *For No Stool, Deduct* | *-1,004.45* | |
| | | *For No Coupling, Deduct* | *-401.78* | |
| | | *For No Pedestal, Deduct* | *-2,410.68* | |
| 22 13 33 00-0349 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3F6/PE3G6) | 19,541.70 | 538.95 |
| | | *For Pedestal, Deduct* | *-1,104.88* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| 22 13 33 00-0350 | EA | Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 8P-PE) | 49,350.28 | 970.11 |
| | | *For No Stool, Deduct* | *-1,004.45* | |
| | | *For No Coupling, Deduct* | *-401.78* | |
| | | *For No Pedestal, Deduct* | *-2,410.68* | |
| | | *For Stool, Deduct* | *-1,004.45* | |
| 22 13 33 00-0351 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3L6/PE3M6) | 20,493.92 | 538.95 |
| | | *For Pedestal, Deduct* | *-1,104.88* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| 22 13 33 00-0352 | EA | Ductile Iron And Stainless Steel, Standard Roller Thrust And Radial Bearing, Vertical Dry Pit Pedestal (Vaughan 8P-PER) | 49,350.28 | 970.11 |
| | | *For No Stool, Deduct* | *-1,004.45* | |
| | | *For No Coupling, Deduct* | *-401.78* | |
| | | *For No Pedestal, Deduct* | *-2,410.68* | |
| 22 13 33 00-0353 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3P6) | 20,972.04 | 538.95 |
| | | *For Pedestal, Deduct* | *-1,104.88* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| 22 13 33 00-0354 | EA | Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 8N-PE) | 49,350.28 | 970.11 |
| | | *For No Stool, Deduct* | *-1,004.45* | |
| | | *For No Coupling, Deduct* | *-401.78* | |
| | | *For No Pedestal, Deduct* | *-2,410.68* | |
| 22 13 33 00-0355 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3V6/PE3W6) | 20,972.04 | 538.95 |
| | | *For Pedestal, Deduct* | *-1,104.88* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| 22 13 33 00-0356 | EA | Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 10R-PE) | 67,411.55 | 1,185.70 |
| | | *For No Stool, Deduct* | *-1,004.45* | |
| | | *For No Coupling, Deduct* | *-401.78* | |
| | | *For No Pedestal, Deduct* | *-2,611.57* | |
| 22 13 33 00-0357 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE4K6/PE4L6) | 21,663.74 | 646.74 |
| | | *For Pedestal, Deduct* | *-1,258.72* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| 22 13 33 00-0358 | EA | Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 12W-PE) | 79,755.48 | 1,401.28 |
| | | *For No Stool, Deduct* | *-1,004.45* | |
| | | *For No Coupling, Deduct* | *-401.78* | |
| | | *For No Pedestal, Deduct* | *-2,812.46* | |
| 22 13 33 00-0359 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE4S6/PE4T6) | 22,615.95 | 646.74 |
| | | *For Pedestal, Deduct* | *-1,258.72* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |
| 22 13 33 00-0360 | EA | 3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE6W8/6X) | 25,321.88 | 808.43 |
| | | *For pedestal, Deduct* | *-1,607.12* | |
| | | *For Stool, Deduct* | *-703.10* | |
| | | *For Coupling, Deduct* | *-200.89* | |

## 22 13 33 00-0361 Submersible Pump Accessories (Vaughan) *(22 13 33)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0362 | EA | Guide Rail Adapter Bracket For 3" Submersible Pump | 1,191.28 | |
| 22 13 33 00-0363 | EA | Discharge Elbow Base For 3" Submersible Pump | 1,760.09 | 61.87 |
| 22 13 33 00-0364 | EA | Top Guide Rail And Lift Chain Bracket For 3" Submersible Pump | 498.89 | 11.26 |
| 22 13 33 00-0365 | EA | Intermediate Guide Rail Support Bracket (Every 10') For 3" Sumbersible Pump | 476.11 | |
| 22 13 33 00-0366 | EA | Class 1, Guide Rail Adapter Bracket For 3" Submersible Pump | 3,097.72 | |
| 22 13 33 00-0367 | EA | Class 1, Discharge Elbow Base For 3" Submersible Pump | 1,667.39 | |
| 22 13 33 00-0368 | EA | Class 1, Top Guide Rail And Lift Chain Bracket For 3" Submersible Pump | 498.89 | 11.26 |
| 22 13 33 00-0369 | EA | Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 3" Submersible Pump | 476.11 | |
| 22 13 33 00-0370 | EA | 25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 3" Submersible Pump | 833.69 | |
| 22 13 33 00-0371 | EA | 25', Galvanized, Safety Chain With Hook For 3" Submersible Pump | 715.17 | |
| 22 13 33 00-0372 | EA | 25", 316 Stainless Steel, Safety Chain With Clevis For 3" Submersible Pump | 1,667.39 | |
| 22 13 33 00-0373 | LF | Galvanized Pipe, Guide Rails For 3" Submersible Pump | 95.10 | 11.26 |
| 22 13 33 00-0374 | LF | 316 Stainless Steel Pipe, Guide Rails For 3" Submersible Pump | 177.47 | 11.26 |
| 22 13 33 00-0375 | EA | Stainless Steel, Cable Holder Bracket For 3" Submersible Pump | 594.63 | |
| 22 13 33 00-0376 | EA | Guide Rail Adapter Bracket For 4" Submersible Pump | 1,430.34 | |
| 22 13 33 00-0377 | EA | Discharge Elbow Base For 4" Submersible Pump | 2,014.24 | 71.90 |
| 22 13 33 00-0378 | EA | Top Guide Rail And Lift Chain Bracket For 4" Submersible Pump | 498.89 | 11.26 |
| 22 13 33 00-0379 | EA | Intermediate Guide Rail Support Bracket (Every 10') For 4" Submersible Pump | 500.22 | |
| 22 13 33 00-0380 | EA | Class 1, Guide Rail Adapter Bracket For 4" Submersible Pump | 3,334.77 | |
| 22 13 33 00-0381 | EA | Class 1, Discharge Elbow Base For 4" Submersible Pump | 1,906.45 | |
| 22 13 33 00-0382 | EA | Class 1, Top Guide Rail And Lift Chain Bracket For 4" Submersible Pump | 498.89 | 11.26 |
| 22 13 33 00-0383 | EA | Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 4" Submersible Pump | 500.22 | |
| 22 13 33 00-0384 | EA | 25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 4" Submersible Pump | 833.69 | |
| 22 13 33 00-0385 | EA | 25', Galvanized, Safety Chain With Hook For 4" Submersible Pump | 715.17 | |
| 22 13 33 00-0386 | EA | 25", 316 Stainless Steel, Safety Chain With Clevis For 4" Submersible Pump | 1,667.39 | |
| 22 13 33 00-0387 | EA | Galvanized Pipe, Guide Rails For 4" Submersible Pump | 72.32 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0388 | EA | 316 Stainless Steel Pipe, Guide Rails For 4" Submersible Pump | 177.47 | 11.26 |
| 22 13 33 00-0389 | EA | Stainless Steel, Cable Holder Bracket For 4" Submersible Pump | 594.63 | |
| 22 13 33 00-0390 | EA | Portable Stand For 4" Submersible Pump | 952.22 | |
| 22 13 33 00-0391 | EA | Guide Rail Adapter Bracket For 6" Submersible Pump | 1,667.39 | |
| 22 13 33 00-0392 | EA | Discharge Elbow Base For 6" Submersible Pump | 2,522.68 | 93.46 |
| 22 13 33 00-0393 | EA | Top Guide Rail And Lift Chain Bracket For 6" Submersible Pump | 498.89 | 11.26 |
| 22 13 33 00-0394 | EA | Intermediate Guide Rail Support Bracket (Every 10') For 6" Sumbersible Pump | 524.32 | |
| 22 13 33 00-0395 | EA | Class 1, Guide Rail Adapter Bracket For 6" Submersible Pump | 3,573.83 | |
| 22 13 33 00-0396 | EA | Class 1, Discharge Elbow Base For 6" Submersible Pump | 2,382.56 | |
| 22 13 33 00-0397 | EA | Class 1, Top Guide Rail And Lift Chain Bracket For 6" Submersible Pump | 498.89 | 11.26 |
| 22 13 33 00-0398 | EA | Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 6" Submersible Pump | 524.32 | |
| 22 13 33 00-0399 | EA | 25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 6" Submersible Pump | 833.69 | |
| 22 13 33 00-0400 | EA | 25', Galvanized, Safety Chain With Hook For 6" Submersible Pump | 715.17 | |
| 22 13 33 00-0401 | EA | 25", 316 Stainless Steel, Safety Chain With Clevis For 6" Submersible Pump | 1,667.39 | |
| 22 13 33 00-0402 | EA | Galvanized Pipe, Guide Rails For 6" Submersible Pump | 72.32 | |
| 22 13 33 00-0403 | EA | 316 Stainless Steel Pipe, Guide Rails For 6" Submersible Pump | 177.47 | 11.26 |
| 22 13 33 00-0404 | EA | Stainless Steel, Cable Holder Bracket For 6" Submersible Pump | 594.63 | |
| 22 13 33 00-0405 | EA | Portable Stand For 6" Submersible Pump | 952.22 | |
| 22 13 33 00-0406 | EA | Guide Rail Adapter Bracket For 8" Submersible Pump | 2,143.50 | |
| 22 13 33 00-0407 | EA | Discharge Elbow Base For 8" Submersible Pump | 3,729.04 | 103.48 |
| 22 13 33 00-0408 | EA | Intermediate Guide Rail Support Bracket (Every 10') For 8" Sumbersible Pump | 833.69 | |
| 22 13 33 00-0409 | EA | Class 1, Guide Rail Adapter Bracket For 8" Submersible Pump | 4,049.94 | |
| 22 13 33 00-0410 | EA | Class 1, Discharge Elbow Base For 8" Submersible Pump | 3,573.83 | |
| 22 13 33 00-0411 | EA | Class 1, Top Guide Rail And Lift Chain Bracket For 8" Submersible Pump | 737.95 | 11.26 |
| 22 13 33 00-0412 | EA | Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 8" Submersible Pump | 833.69 | |
| 22 13 33 00-0413 | EA | 25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 8" Submersible Pump | 1,785.91 | |
| 22 13 33 00-0414 | EA | 25', Galvanized, Safety Chain With Hook For 8" Submersible Pump | 1,430.34 | |
| 22 13 33 00-0415 | EA | 25", 316 Stainless Steel, Safety Chain With Clevis For 8" Submersible Pump | 4,049.94 | |
| 22 13 33 00-0416 | EA | Galvanized Pipe, Guide Rails For 8" Submersible Pump | 118.53 | |
| 22 13 33 00-0417 | EA | 316 Stainless Steel Pipe, Guide Rails For 8" Submersible Pump | 261.84 | 11.26 |
| 22 13 33 00-0418 | EA | Stainless Steel, Cable Holder Bracket For 8" Submersible Pump | 594.63 | |
| 22 13 33 00-0419 | EA | Portable Stand For 8" Submersible Pump | 2,143.50 | |
| 22 13 33 00-0420 | EA | Guide Rail Adapter Bracket For 10" Submersible Pump | 2,621.61 | |
| 22 13 33 00-0421 | EA | Discharge Elbow Base For 10" Submersible Pump | 4,220.25 | 113.18 |
| 22 13 33 00-0422 | EA | Straight Thru Discharge Base For 10" Submersible Pump | 4,049.94 | |
| 22 13 33 00-0423 | EA | Top Guide Rail And Lift Chain Bracket For 10" Submersible Pump | 737.95 | 11.37 |
| 22 13 33 00-0424 | EA | Intermediate Guide Rail Support Bracket (Every 10') For 10" Sumbersible Pump | 1,589.04 | |
| 22 13 33 00-0425 | EA | Class 1, Guide Rail Adapter Bracket For 10" Submersible Pump | 5,480.28 | |
| 22 13 33 00-0426 | EA | Class 1, Discharge Elbow Base For 10" Submersible Pump | 4,049.94 | |
| 22 13 33 00-0427 | EA | Class 1, Straight Thru Discharge Base For 10" Submersible Pump | 4,049.94 | |
| 22 13 33 00-0428 | EA | Class 1, Top Guide Rail And Lift Chain Bracket For 10" Submersible Pump | 737.95 | 11.37 |
| 22 13 33 00-0429 | EA | Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 10" Submersible Pump | 1,191.28 | |
| 22 13 33 00-0430 | EA | 25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 10" Submersible Pump | 1,785.91 | |
| 22 13 33 00-0431 | EA | 25', Galvanized, Safety Chain With Hook For 10" Submersible Pump | 1,430.34 | |
| 22 13 33 00-0432 | EA | 25", 316 Stainless Steel, Safety Chain With Clevis For 10" Submersible Pump | 4,049.94 | |
| 22 13 33 00-0433 | EA | Galvanized Pipe, Guide Rails For 10" Submersible Pump | 141.31 | 11.37 |
| 22 13 33 00-0434 | EA | 316 Stainless Steel Pipe, Guide Rails For 10" Submersible Pump | 261.84 | 11.37 |
| 22 13 33 00-0435 | EA | Stainless Steel, Cable Holder Bracket For 10" Submersible Pump | 594.63 | |
| 22 13 33 00-0436 | EA | Portable Stand For 10" Submersible Pump | 2,143.50 | |
| 22 13 33 00-0437 | EA | 5 - 15 HP, 3" - 6" Pump Belt Drive | 2,858.66 | |
| 22 13 33 00-0438 | EA | 20 - 30 HP, 3" - 6" Pump Belt Drive | 3,097.72 | |
| 22 13 33 00-0439 | EA | 40 - 50 HP, 3" - 6" Pump Belt Drive | 3,334.77 | |
| 22 13 33 00-0440 | EA | 60 - 75 HP, 3" - 6" Pump Belt Drive | 3,573.83 | |
| 22 13 33 00-0441 | EA | 100 HP, 3" - 6" Pump Belt Drive | 3,812.89 | |
| 22 13 33 00-0442 | EA | 5 - 15 HP, 8" - 12" Pump Belt Drive | 4,289.00 | |
| 22 13 33 00-0443 | EA | 20 - 30 HP, 8" - 12" Pump Belt Drive | 4,526.05 | |
| 22 13 33 00-0444 | EA | 40 - 50 HP, 8" - 12" Pump Belt Drive | 4,765.11 | |
| 22 13 33 00-0445 | EA | 60 - 75 HP, 8" - 12" Pump Belt Drive | 5,002.16 | |
| 22 13 33 00-0446 | EA | 100 HP, 8" - 12" Pump Belt Drive | 5,480.28 | |
| 22 13 33 00-0447 | EA | 125 HP, 8" - 12" Pump Belt Drive | 6,432.50 | |
| 22 13 33 00-0448 | EA | 150 - 200 HP, 8" - 12" Pump Belt Drive | 6,671.56 | |

## 22 13 33 00-0449 Submersible Pumps (Zoeller) *(22 13 33)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0450 | EA | 0.5 HP, 2" Discharge, 1750 RPM, Vortex Impeller With 25' Cord (Zoeller 6282) | 3,324.52 | 301.82 |
| | | *For Moisture Probe, Add* | *265.17* | |
| | | *For 3 Phase Adder, Add* | *165.73* | |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 50' Cord Adder, Add* | *276.22* | |
| 22 13 33 00-0451 | EA | 1 HP, 2" Discharge, 1750 RPM, Vortex Impeller With 25' Cord (Zoeller 6284) | 3,616.52 | 344.93 |
| | | *For Moisture Probe, Add* | *265.17* | |
| | | *For 3 Phase Adder, Add* | *165.73* | |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 50' Cord Adder, Add* | *276.22* | |
| 22 13 33 00-0452 | EA | 1 HP, 2" Discharge, 3450 RPM, Vortex Impeller With 25' Cord (Zoeller 6292) | 3,503.02 | 344.93 |
| | | *For Moisture Probe, Add* | *265.17* | |
| | | *For 3 Phase Adder, Add* | *165.73* | |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 50' Cord Adder, Add* | *276.22* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0453 | EA | 0.5 HP, 2" Discharge, 1750 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6282) | 6,069.07 | 301.82 |
| | | *For 3 Phase Adder, Add* | *165.73* | |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 50' Cord Adder, Add* | *276.22* | |
| 22 13 33 00-0454 | EA | 1 HP, 2" Discharge, 1750 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6284) | 6,733.73 | 344.93 |
| | | *For 3 Phase Adder, Add* | *165.73* | |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 50' Cord Adder, Add* | *276.22* | |
| 22 13 33 00-0455 | EA | 1 HP, 2" Discharge, 3450 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6292) | 6,491.26 | 344.93 |
| | | *For 3 Phase Adder, Add* | *165.73* | |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 50' Cord Adder, Add* | *276.22* | |
| 22 13 33 00-0456 | EA | 1 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6120) | 7,420.98 | 344.93 |
| 22 13 33 00-0457 | EA | 1.5 HP, 3" Dischrage, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6121) | 7,969.32 | 463.50 |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 1 Phase Adder, Add* | *243.08* | |
| | | *For 3" Solids Capacity, Add* | *618.74* | |
| | | *For Impeller Trim, Add* | *331.47* | |
| | | *For Thermal And Moisture Sensors, Add* | *375.66* | |
| | | *For 50' Cord Adder, Add* | *552.45* | |
| 22 13 33 00-0458 | EA | 2 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6122) | 8,128.75 | 582.07 |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 1 Phase Adder, Add* | *243.08* | |
| | | *For 3" Solids Capacity, Add* | *618.74* | |
| | | *For Impeller Trim, Add* | *331.47* | |
| | | *For Thermal And Moisture Sensors, Add* | *375.66* | |
| | | *For 50' Cord Adder, Add* | *552.45* | |
| 22 13 33 00-0459 | EA | 3 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6123) | 8,939.44 | 700.64 |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 1 Phase Adder, Add* | *243.08* | |
| | | *For 3" Solids Capacity, Add* | *618.74* | |
| | | *For Impeller Trim, Add* | *331.47* | |
| | | *For Thermal And Moisture Sensors, Add* | *375.66* | |
| | | *For 50' Cord Adder, Add* | *552.45* | |
| 22 13 33 00-0460 | EA | 5 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6124) | 10,029.39 | 819.21 |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 1 Phase Adder, Add* | *243.08* | |
| | | *For 3" Solids Capacity, Add* | *618.74* | |
| | | *For Impeller Trim, Add* | *331.47* | |
| | | *For Thermal And Moisture Sensors, Add* | *375.66* | |
| | | *For 50' Cord Adder, Add* | *552.45* | |
| 22 13 33 00-0461 | EA | 7.5 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6125) | 12,443.19 | 937.78 |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 1 Phase Adder, Add* | *243.08* | |
| | | *For 3" Solids Capacity, Add* | *618.74* | |
| | | *For Impeller Trim, Add* | *331.47* | |
| | | *For Thermal And Moisture Sensors, Add* | *375.66* | |
| | | *For 50' Cord Adder, Add* | *552.45* | |
| 22 13 33 00-0462 | EA | 1 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6120) | 9,098.21 | 344.93 |
| 22 13 33 00-0463 | EA | 1.5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6121) | 9,474.19 | 463.50 |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 1 Phase Adder, Add* | *243.08* | |
| | | *For 3" Solids Capacity, Add* | *618.74* | |
| | | *For Impeller Trim, Add* | *331.47* | |
| | | *For 50' Cord Adder, Add* | *552.45* | |
| 22 13 33 00-0464 | EA | 2 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6122) | 10,022.54 | 582.07 |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 1 Phase Adder, Add* | *243.08* | |
| | | *For 3" Solids Capacity, Add* | *618.74* | |
| | | *For Impeller Trim, Add* | *331.47* | |
| | | *For 50' Cord Adder, Add* | *552.45* | |
| 22 13 33 00-0465 | EA | 3 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6123) | 10,767.54 | 700.64 |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 1 Phase Adder, Add* | *243.08* | |
| | | *For 3" Solids Capacity, Add* | *618.74* | |
| | | *For Impeller Trim, Add* | *331.47* | |
| | | *For 50' Cord Adder, Add* | *552.45* | |
| 22 13 33 00-0466 | EA | 5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller Engineered Products X6124) | 11,859.50 | 819.21 |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 1 Phase Adder, Add* | *243.08* | |
| | | *For 3" Solids Capacity, Add* | *618.74* | |
| | | *For Impeller Trim, Add* | *331.47* | |
| | | *For 50' Cord Adder, Add* | *552.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0467 | EA | 7.5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6125) | 12,443.19 | 937.78 |
| | | *For Silicone Carbide / Silicone Carbide Seal* | *187.83* | |
| | | *For Certified Test, Add* | *441.96* | |
| | | *For 1 Phase Adder, Add* | *243.08* | |
| | | *For 3" Solids Capacity, Add* | *618.74* | |
| | | *For Impeller Trim, Add* | *331.47* | |
| | | *For 50' Cord Adder, Add* | *552.45* | |
| 22 13 33 00-0468 | EA | 115 V/230 V, Variable Level Control Switch With 25' Cord (Zoeller 10-1877) | 164.39 | 26.95 |
| 22 13 33 00-0469 | EA | 115 V/230 V, Variable Level Control Switch With 50' Cord (Zoeller 10-1879) | 221.84 | 26.95 |
| 22 13 33 00-0470 | EA | 30 Volt DC / 125 Volt AC, Intrinsically Safe Variable Control Switch With 25' Cord (Zoeller 10-2066) | 204.17 | 26.95 |
| 22 13 33 00-0471 | EA | 30 Volt DC / 125 Volt AC, Intrinsically Safe Variable Control Switch With 50' Cord (Zoeller 10-2068) | 261.62 | 26.95 |
| 22 13 33 00-0472 | EA | Stainless Steel, 4 Float Bracket (Zoeller 10-0253) | 377.82 | 67.91 |
| 22 13 33 00-0473 | EA | 2" Z Rail Base Elbow And Disconnect (Zoeller 39-0128) | 1,498.56 | 50.66 |
| 22 13 33 00-0474 | EA | 2" Z Rail Base Elbow And Disconnect With Stainless Steel Upper Rail Bracket (Zoeller 39-0129) | 1,953.78 | 50.66 |
| 22 13 33 00-0475 | EA | 3" Base Elbow And Disconnect (Zoeller 39-0094) | 2,561.04 | 61.44 |
| 22 13 33 00-0476 | EA | 4" Base Elbow And Disconnect (Zoeller 39-0016) | 3,436.54 | 72.22 |

## 22 13 33 00-0477 Mounted Motors (Vaughan) *(22 13 33)*

## 22 13 33 00-0478 C-FACE Mounted Motors (Vaughan) *(22 13 33 00-0477)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0479 | EA | 5 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC) | 3,605.35 | 252.14 |
| 22 13 33 00-0480 | EA | 5 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC) | 3,784.14 | 252.14 |
| 22 13 33 00-0481 | EA | 5 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 184TC) | 2,295.55 | 252.14 |
| 22 13 33 00-0482 | EA | 5 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 184TC) | 2,498.44 | 252.14 |
| 22 13 33 00-0483 | EA | 7.5 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC) | 4,859.58 | 252.14 |
| 22 13 33 00-0484 | EA | 7.5 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC) | 5,777.65 | 252.14 |
| 22 13 33 00-0485 | EA | 7.5 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 213TC) | 3,131.93 | 252.14 |
| 22 13 33 00-0486 | EA | 7.5 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 213TC) | 3,431.26 | 252.14 |
| 22 13 33 00-0487 | EA | 10 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC) | 6,052.51 | 441.24 |
| 22 13 33 00-0488 | EA | 10 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC) | 7,040.88 | 441.24 |
| 22 13 33 00-0489 | EA | 10 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC) | 3,587.59 | 441.24 |
| 22 13 33 00-0490 | EA | 10 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC) | 3,979.32 | 441.24 |
| 22 13 33 00-0491 | EA | 15 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC) | 8,038.16 | 441.24 |
| 22 13 33 00-0492 | EA | 15 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC) | 8,658.91 | 441.24 |
| 22 13 33 00-0493 | EA | 15 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC) | 5,060.97 | 441.24 |
| 22 13 33 00-0494 | EA | 15 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC) | 5,525.03 | 441.24 |
| 22 13 33 00-0495 | EA | 15 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC) | 5,036.86 | 441.24 |
| 22 13 33 00-0496 | EA | 20 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC) | 9,948.91 | 630.34 |
| 22 13 33 00-0497 | EA | 20 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC) | 11,401.34 | 630.34 |
| 22 13 33 00-0498 | EA | 20 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC) | 6,244.49 | 630.34 |
| 22 13 33 00-0499 | EA | 20 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC) | 6,447.39 | 630.34 |
| 22 13 33 00-0500 | EA | 20 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC) | 6,136.01 | 630.34 |
| 22 13 33 00-0501 | EA | 25 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC) | 11,768.40 | 630.34 |
| 22 13 33 00-0502 | EA | 25 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC) | 12,768.83 | 630.34 |
| 22 13 33 00-0503 | EA | 25 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC) | 7,646.14 | 630.34 |
| 22 13 33 00-0504 | EA | 25 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC) | 7,955.51 | 630.34 |
| 22 13 33 00-0505 | EA | 25 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TSC) | 7,467.34 | 630.34 |
| 22 13 33 00-0506 | EA | 30 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC) | 13,772.41 | 630.34 |
| 22 13 33 00-0507 | EA | 30 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC) | 14,535.79 | 630.34 |
| 22 13 33 00-0508 | EA | 30 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC) | 9,364.88 | 630.34 |
| 22 13 33 00-0509 | EA | 30 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC) | 9,688.31 | 630.34 |
| 22 13 33 00-0510 | EA | 40 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 364TC) | 16,454.00 | 945.51 |
| 22 13 33 00-0511 | EA | 40 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 364TC) | 20,861.53 | 945.51 |
| 22 13 33 00-0512 | EA | 40 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC) | 12,225.27 | 945.51 |
| 22 13 33 00-0513 | EA | 50 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 365TC) | 22,451.70 | 945.51 |
| 22 13 33 00-0514 | EA | 50 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 365TC) | 23,464.18 | 945.51 |
| 22 13 33 00-0515 | EA | 50 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC) | 12,708.53 | 945.51 |
| 22 13 33 00-0516 | EA | 50 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC) | 13,933.96 | 945.51 |

## 22 13 33 00-0517 Foot Mounted Motors (Vaughan) *(22 13 33 00-0477)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0518 | EA | 5 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 215T) | 3,332.14 | 252.14 |
| 22 13 33 00-0519 | EA | 5 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 215T) | 3,689.72 | 252.14 |
| 22 13 33 00-0520 | EA | 5 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 184T) | 2,175.01 | 252.14 |
| 22 13 33 00-0521 | EA | 5 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 184T) | 2,462.28 | 252.14 |
| 22 13 33 00-0522 | EA | 7.5 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 254T) | 4,431.69 | 252.14 |
| 22 13 33 00-0523 | EA | 7.5 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 254T) | 5,395.96 | 252.14 |
| 22 13 33 00-0524 | EA | 7.5 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 213T) | 2,655.82 | 252.14 |
| 22 13 33 00-0525 | EA | 7.5 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 213T) | 3,370.99 | 252.14 |
| 22 13 33 00-0526 | EA | 10 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 256T) | 5,576.40 | 441.24 |
| 22 13 33 00-0527 | EA | 10 HP, 1170 RPM, hemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 256T) | 6,671.25 | 441.24 |
| 22 13 33 00-0528 | EA | 10 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 215T) | 3,300.31 | 441.24 |
| 22 13 33 00-0529 | EA | 10 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 215T) | 3,921.06 | 441.24 |
| 22 13 33 00-0530 | EA | 15 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 284T) | 7,407.37 | 441.24 |
| 22 13 33 00-0531 | EA | 15 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 284T) | 8,158.70 | 441.24 |
| 22 13 33 00-0532 | EA | 15 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 254T) | 4,357.86 | 441.24 |
| 22 13 33 00-0533 | EA | 15 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 254T) | 5,298.02 | 441.24 |
| 22 13 33 00-0534 | EA | 20 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 286T) | 9,318.11 | 630.34 |
| 22 13 33 00-0535 | EA | 20 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 286T) | 10,889.07 | 630.34 |
| 22 13 33 00-0536 | EA | 20 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 256T) | 5,410.80 | 630.34 |
| 22 13 33 00-0537 | EA | 20 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 256T) | 6,326.86 | 630.34 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 13 33 00-0538 | EA | 25 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 324T) | 10,970.87 | 630.34 |
| 22 13 33 00-0539 | EA | 25 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 324T) | 12,089.82 | 630.34 |
| 22 13 33 00-0540 | EA | 25 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 284T) | 6,609.54 | 630.34 |
| 22 13 33 00-0541 | EA | 25 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 284T) | 7,849.04 | 630.34 |
| 22 13 33 00-0542 | EA | 30 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 326T) | 12,796.08 | 630.34 |
| 22 13 33 00-0543 | EA | 30 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 326T) | 13,856.78 | 630.34 |
| 22 13 33 00-0544 | EA | 30 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 286T) | 7,852.18 | 630.34 |
| 22 13 33 00-0545 | EA | 30 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 286T) | 9,294.57 | 630.34 |
| 22 13 33 00-0546 | EA | 40 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 364T) | 16,299.32 | 945.51 |
| 22 13 33 00-0547 | EA | 40 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 364T) | 18,824.50 | 945.51 |
| 22 13 33 00-0548 | EA | 40 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 324T) | 10,342.93 | 945.51 |
| 22 13 33 00-0549 | EA | 40 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 324T) | 11,307.20 | 945.51 |
| 22 13 33 00-0550 | EA | 50 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 365T) | 21,272.47 | 945.51 |
| 22 13 33 00-0551 | EA | 50 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 365T) | 22,057.95 | 945.51 |
| 22 13 33 00-0552 | EA | 50 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 326T) | 12,375.05 | 945.51 |
| 22 13 33 00-0553 | EA | 50 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 326T) | 13,160.53 | 945.51 |

### 22 13 33 00-0554 Submersible Pumps (Hayward Gordon) *(22 13 33)*

### 22 13 33 00-0555 Chopper Pumps (Hayward Gordon) *(22 13 33 00-0554)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0556 | EA | 5 HP, 460 Volt, 60 Hertz, 28' Total Dynamic Head, 180 GPM, 1510 RPM, 3 Phase, Submersible Chopper Pump (Hayward Gordon) | 33,406.50 | 344.93 |
| 22 13 33 00-0557 | EA | 20 HP, 460 Volt, 60 Hertz, 60' Total Dynamic Head, 600 GPM, 1570 RPM, 3 Phase Submersible Chopper Pump (Hayward Gordon 20-60-600-1570SP) | 56,668.08 | 689.87 |
| 22 13 33 00-0558 | EA | 75 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 5500 GPM, 790 RPM, 3 Phase Submersible Chopper Pump (Hayward Gordon 75-29-5500-790SP) | 106,599.72 | 1,164.14 |

### 22 13 33 00-0559 Recessed Impeller Centrifugal Pumps (Hayward Gordon) *(22 13 33 00-0554)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0560 | EA | 40 HP, 460 Volt, 60 Hertz, 65' Total Dynamic Head, 450 GPM, 1460 RPM, 3 Phase, Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon) | 48,174.32 | 948.56 |
| 22 13 33 00-0561 | EA | 50 HP, 460 Volt, 60 Hertz, 65' Total Dynamic Head, 1,000 GPM, 1550 RPM, 3 Phase, Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon) | 53,677.95 | 1,121.03 |
| 22 13 33 00-0562 | EA | 100 HP, 460 Volt, 60 Hertz, 130' Total Dynamic Head, 900 GPM, 1430 RPM, 3 Phase Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon 100-130-900-1430SP) | 88,395.65 | 1,379.72 |
| 22 13 33 00-0563 | EA | 100 HP, 460 Volt, 60 Hertz, 53' To 132' Total Dynamic Head, 952 GPM, 1450 RPM, 3 Phase Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon) | 88,395.65 | 1,379.72 |

### 22 13 33 00-0564 Screw Centrifugal Pumps (Hayward Gordon) *(22 13 33 00-0554)*

| | | | | |
|---|---|---|---|---|
| 22 13 33 00-0565 | EA | 25 HP, 460 Volt, 60 Hertz, 67' Total Dynamic Head, 900 GPM, 1700 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon) | 45,633.82 | 776.09 |
| 22 13 33 00-0566 | EA | 60 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 1500 GPM, 1460 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon) | 65,490.28 | 1,121.03 |
| 22 13 33 00-0567 | EA | 75 HP, 460 Volt, 60 Hertz, 67' Total Dynamic Head, 1440 GPM, 1510 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon) | 74,256.43 | 1,164.14 |
| 22 13 33 00-0568 | EA | 75 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 5500 GPM, 970 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon 75-29-5500-970SP) | 101,396.67 | 1,164.14 |
| 22 13 33 00-0569 | EA | 100 HP, 460 Volt, 60 Hertz, 44' Total Dynamic Head, 4514 GPM, 1030 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon) | 100,730.29 | 1,379.72 |
| 22 13 33 00-0570 | EA | 100 HP, 460 Volt, 60 Hertz, 132' Total Dynamic Head, 900 GPM, 1690 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon) | 76,101.18 | 1,379.72 |

# 22 14 Facility Storm Drainage *(22 10)*

## 22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

## 22 14 26 Facility Storm Drains *(22 14)*

### 22 14 26 13 Roof Drains *(22 14 26)*

### 22 14 26 13-0001 Cast Iron Roof Drains *(22 14 26 13)*

### 22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)*

Note: Dome free area is 124 square inches.

| | | | | |
|---|---|---|---|---|
| 22 14 26 13-0003 | EA | 15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome | 998.18 | 179.69 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Bronze Dome, Add* | *448.80* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0004 | EA | 15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome | 1,088.01 | 215.58 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Bronze Dome, Add* | *448.80* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 14 26 13-0005 | EA | 15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome | 1,177.83 | 269.48 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Bronze Dome, Add* | *448.80* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0006 | EA | 15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome | 1,587.00 | 323.37 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Bronze Dome, Add* | *448.80* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0007 | EA | 15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome | 1,631.91 | 359.27 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Bronze Dome, Add* | *448.80* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0008 | EA | 15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome | 1,940.16 | 377.27 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Bronze Dome, Add* | *448.80* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0009 | EA | 15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome | 2,652.07 | 390.74 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Bronze Dome, Add* | *448.80* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |

## 22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint *(22 14 26 13-0001)*

Note: With polypropylene dome. Dome free area is 124 square inches.

| | | | | |
|---|---|---|---|---|
| 22 14 26 13-0011 | EA | 15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome | 1,567.38 | 179.69 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0012 | EA | 15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome | 1,696.97 | 215.58 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0013 | EA | 15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome | 1,864.22 | 269.48 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0014 | EA | 15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome | 2,585.19 | 323.37 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0015 | EA | 15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome | 2,774.49 | 359.27 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |

## 22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top *(22 14 26 13-0001)*

| | | | | |
|---|---|---|---|---|
| 22 14 26 13-0017 | EA | 14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top | 2,183.72 | 179.69 |
| | | *For Galvanized Iron Parts, Add* | *480.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0018 | EA | 14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top | 2,273.55 | 215.58 |
| | | *For Galvanized Iron Parts, Add* | *480.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0019 | EA | 14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top | 2,363.37 | 269.48 |
| | | *For Galvanized Iron Parts, Add* | *480.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0020 | EA | 14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top | 2,754.98 | 323.37 |
| | | *For Galvanized Iron Parts, Add* | *480.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 14 26 13-0021 | EA | 14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top | 2,799.89 | 359.27 |
| | | *For Galvanized Iron Parts, Add* | *480.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0022 | | **Cast Iron Scupper Drain With L-Shaped Bronze Grate** *(22 14 26 13-0001)* | | |
| 22 14 26 13-0023 | EA | Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate | 1,421.47 | 71.90 |
| | | *For Galvanized Cast Iron Parts, Add* | *128.00* | |
| | | *For Vandal Proof Grate, Add* | *33.00* | |
| 22 14 26 13-0024 | EA | Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate | 1,457.40 | 89.79 |
| | | *For Galvanized Cast Iron Parts, Add* | *128.00* | |
| | | *For Vandal Proof Grate, Add* | *33.00* | |
| 22 14 26 13-0025 | EA | Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate | 1,473.73 | 97.98 |
| | | *For Galvanized Cast Iron Parts, Add* | *128.00* | |
| | | *For Galvanized Iron Parts, Add* | *258.00* | |
| | | *For Vandal Proof Grate, Add* | *33.00* | |
| 22 14 26 13-0026 | EA | Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate | 2,075.38 | 129.89 |
| | | *For Galvanized Iron Parts, Add* | *258.00* | |
| | | *For Vandal Proof Grate, Add* | *33.00* | |
| 22 14 26 13-0027 | EA | Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate | 2,132.68 | 158.56 |
| | | *For Galvanized Iron Parts, Add* | *258.00* | |
| | | *For Vandal Proof Grate, Add* | *33.00* | |
| 22 14 26 13-0028 | | **Cast Iron Roof Drain With Flat Cast Iron Grate** *(22 14 26 13-0001)* | | |
| | | Note: Grate free area is 27 square inches. | | |
| 22 14 26 13-0029 | EA | 9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top | 1,099.17 | 179.69 |
| | | *For Galvanized Iron Parts, Add* | *144.00* | |
| | | *For Deck Clamp Assembly, Add* | *80.40* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *93.60* | |
| 22 14 26 13-0030 | EA | 9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top | 1,189.00 | 215.58 |
| | | *For Galvanized Iron Parts, Add* | *144.00* | |
| | | *For Deck Clamp Assembly, Add* | *80.40* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *93.60* | |
| 22 14 26 13-0031 | EA | 9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top | 1,278.82 | 269.48 |
| | | *For Galvanized Iron Parts, Add* | *144.00* | |
| | | *For Deck Clamp Assembly, Add* | *80.40* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *93.60* | |
| 22 14 26 13-0032 | | **Cast Iron Roof Drains With Large Cast Iron Dome** *(22 14 26 13-0001)* | | |
| 22 14 26 13-0033 | EA | 15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome | 1,186.98 | 179.69 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0034 | EA | 15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome | 1,276.81 | 215.58 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0035 | EA | 15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome | 1,366.63 | 269.48 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0036 | EA | 15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome | 1,775.81 | 323.37 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0037 | EA | 15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome | 1,820.72 | 359.27 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0038 | EA | 15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome | 2,128.97 | 377.27 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0039 | EA | 15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome | 2,840.88 | 390.74 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0040 | | **Aluminum Roof Drains** *(22 14 26 13)* | | |
| 22 14 26 13-0041 | | **Aluminum Dome Roof Drains** *(22 14 26 13-0040)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 14 26 13-0042 | EA | 15" Diameter Roof Drain With 2" Outlet, Aluminum Dome | 1,219.92 | 179.69 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0043 | EA | 15" Diameter Roof Drain With 3" Outlet, Aluminum Dome | 1,309.75 | 215.58 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0044 | EA | 15" Diameter Roof Drain With 4" Outlet, Aluminum Dome | 1,399.57 | 269.48 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0045 | EA | 15" Diameter Roof Drain With 6" Outlet, Aluminum Dome | 1,853.65 | 358.94 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0046 | EA | 15" Diameter Roof Drain With 8" Outlet, Aluminum Dome | 2,162.12 | 377.27 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0047 | EA | 15" Diameter Roof Drain With 10" Outlet, Aluminum Dome | 2,873.81 | 390.74 |
| | | *For Galvanized Iron Parts, Add* | *518.00* | |
| | | *For Deck Clamp Assembly, Add* | *130.00* | |
| | | *For Drain Receiver, Add* | *147.00* | |
| | | *For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add* | *357.00* | |
| 22 14 26 13-0048 | | Retrofit Roof Drains *(22 14 26 13)* | | |
| 22 14 26 13-0049 | | Retrofit Copolymer Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)* | | |
| 22 14 26 13-0050 | EA | Copolymer Retrofit 3" Roof Drains, With Copolymer Dome | 852.09 | 215.58 |
| 22 14 26 13-0051 | EA | Copolymer Retrofit 4" Roof Drains, With Copolymer Dome | 957.41 | 269.48 |
| 22 14 26 13-0052 | EA | Copolymer Retrofit 5" Roof Drains, With Copolymer Dome | 1,154.14 | 323.37 |
| 22 14 26 13-0053 | EA | Copolymer Retrofit 6" Roof Drains, With Copolymer Dome | 1,261.05 | 358.94 |
| 22 14 26 13-0054 | | Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)* | | |
| 22 14 26 13-0055 | EA | Copolymer Retrofit Drain, 3", With Cast Aluminum Dome | 991.58 | 215.58 |
| 22 14 26 13-0056 | EA | Copolymer Retrofit Drain, 4", With Cast Aluminum Dome | 1,090.70 | 269.48 |
| 22 14 26 13-0057 | EA | Copolymer Retrofit Drain, 5", With Cast Aluminum Dome | 1,296.73 | 323.37 |
| 22 14 26 13-0058 | EA | Copolymer Retrofit Drain, 6", With Cast Aluminum Dome | 1,360.24 | 358.94 |
| 22 14 26 13-0059 | | Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)* | | |
| 22 14 26 13-0060 | EA | Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome | 858.29 | 215.58 |
| | | *For Copolymer Strainer Dome, Deduct* | *-24.00* | |
| 22 14 26 13-0061 | EA | Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome | 963.61 | 269.48 |
| | | *For Copolymer Strainer Dome, Deduct* | *-24.00* | |
| 22 14 26 13-0062 | EA | Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome | 1,160.34 | 323.37 |
| | | *For Copolymer Strainer Dome, Deduct* | *-24.00* | |
| 22 14 26 13-0063 | EA | Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome | 1,217.65 | 358.94 |
| | | *For Copolymer Strainer Dome, Deduct* | *-24.00* | |
| 22 14 26 13-0064 | | Bronze Downspout Nozzles *(22 14 26 13)* | | |
| 22 14 26 13-0065 | EA | 2" Outlet, Bronze Roof Drain Downspout Nozzle | 518.80 | 107.79 |
| 22 14 26 13-0066 | EA | 3" Outlet, Bronze Roof Drain Downspout Nozzle | 518.80 | 107.79 |
| 22 14 26 13-0067 | EA | 4" Outlet, Bronze Roof Drain Downspout Nozzle | 518.80 | 107.79 |
| 22 14 26 13-0068 | EA | 5" Outlet, Bronze Roof Drain Downspout Nozzle | 815.41 | 134.74 |
| 22 14 26 13-0069 | EA | 6" Outlet, Bronze Roof Drain Downspout Nozzle | 815.41 | 134.74 |
| 22 14 26 13-0070 | EA | 8" Outlet, Bronze Roof Drain Downspout Nozzle | 1,069.58 | 134.74 |
| **22 14 26 16** | | **Facility Area Drains** *(22 14 26)* | | |
| 22 14 26 16-0001 | | Area Drain *(22 14 26 16)* | | |
| 22 14 26 16-0002 | EA | 12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 3,202.63 | 129.78 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *152.25* | |
| 22 14 26 16-0003 | EA | 12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 3,230.61 | 143.79 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *152.25* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 14 26 16-0004 | EA | 12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 3,260.06 | 158.56 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *152.25* | |
| 22 14 26 16-0005 | EA | 12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 3,290.73 | 173.87 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *152.25* | |
| 22 14 26 16-0006 | EA | 12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 1,953.99 | 129.78 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *152.25* | |
| 22 14 26 16-0007 | EA | 12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 1,981.97 | 143.79 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *152.25* | |
| 22 14 26 16-0008 | EA | 12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 2,011.42 | 158.56 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *152.25* | |
| 22 14 26 16-0009 | EA | 12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 2,042.09 | 173.87 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *152.25* | |
| 22 14 26 16-0010 | EA | 12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 2,986.68 | 129.78 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *152.25* | |
| 22 14 26 16-0011 | EA | 12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 3,014.66 | 143.79 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *152.25* | |
| 22 14 26 16-0012 | EA | 12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 3,044.11 | 158.56 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *152.25* | |
| 22 14 26 16-0013 | EA | 12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 3,074.78 | 173.87 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Vandal Proof Screws, Add* | *29.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *152.25* | |
| 22 14 26 16-0014 | EA | 16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 6,502.80 | 129.78 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *258.50* | |
| 22 14 26 16-0015 | EA | 16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 6,530.78 | 143.79 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *258.50* | |
| 22 14 26 16-0016 | EA | 16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 6,560.23 | 158.56 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *258.50* | |
| 22 14 26 16-0017 | EA | 16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 6,590.90 | 173.87 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *258.50* | |
| 22 14 26 16-0018 | EA | 16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 3,152.80 | 129.78 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *258.50* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 14 26 16-0019 | EA | 16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 3,180.78 | 143.79 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *258.50* | |
| 22 14 26 16-0020 | EA | 16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 3,210.23 | 158.56 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *258.50* | |
| 22 14 26 16-0021 | EA | 16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 3,240.90 | 173.87 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *258.50* | |
| 22 14 26 16-0022 | EA | 16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 6,162.27 | 129.78 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *258.50* | |
| 22 14 26 16-0023 | EA | 16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 6,190.25 | 143.79 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *258.50* | |
| 22 14 26 16-0024 | EA | 16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 6,219.70 | 158.56 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *258.50* | |
| 22 14 26 16-0025 | EA | 16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer | 6,250.37 | 173.87 |
| | | *For Ductile Iron Grate, Add* | *123.50* | |
| | | *For Primer Tap, Add* | *36.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *258.50* | |
| 22 14 26 16-0026 | EA | 9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots | 1,403.04 | 129.78 |
| | | *For Vandal Proof Grate, Add* | *30.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| 22 14 26 16-0027 | EA | 9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots | 1,431.02 | 143.79 |
| | | *For Vandal Proof Grate, Add* | *30.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| 22 14 26 16-0028 | EA | 9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots | 1,460.47 | 158.56 |
| | | *For Vandal Proof Grate, Add* | *30.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| 22 14 26 16-0029 | EA | 9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots | 832.71 | 129.78 |
| | | *For Vandal Proof Grate, Add* | *30.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| 22 14 26 16-0030 | EA | 9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots | 860.69 | 143.79 |
| | | *For Vandal Proof Grate, Add* | *30.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| 22 14 26 16-0031 | EA | 9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots | 890.14 | 158.56 |
| | | *For Vandal Proof Grate, Add* | *30.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| 22 14 26 16-0032 | EA | 9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots | 1,319.98 | 129.78 |
| | | *For Vandal Proof Grate, Add* | *30.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| 22 14 26 16-0033 | EA | 9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots | 1,347.96 | 143.79 |
| | | *For Vandal Proof Grate, Add* | *30.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| 22 14 26 16-0034 | EA | 9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots | 1,377.41 | 158.56 |
| | | *For Vandal Proof Grate, Add* | *30.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *87.50* | |
| 22 14 26 16-0035 | EA | 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer | 4,318.38 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| | | *For Ductile Iron Grate, Add* | *126.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *307.50* | |
| 22 14 26 16-0036 | EA | 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer | 4,346.36 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| | | *For Ductile Iron Grate, Add* | *126.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *307.50* | |
| 22 14 26 16-0037 | EA | 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer | 4,375.81 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| | | *For Ductile Iron Grate, Add* | *126.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *307.50* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 14 26 16-0038 | EA | 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer | 2,792.88 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| | | *For Ductile Iron Grate, Add* | *126.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *307.50* | |
| 22 14 26 16-0039 | EA | 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer | 2,820.86 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| | | *For Ductile Iron Grate, Add* | *126.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *307.50* | |
| 22 14 26 16-0040 | EA | 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer | 2,850.31 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| | | *For Ductile Iron Grate, Add* | *126.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *307.50* | |
| 22 14 26 16-0041 | EA | 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer | 4,052.59 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| | | *For Ductile Iron Grate, Add* | *126.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *307.50* | |
| 22 14 26 16-0042 | EA | 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer | 4,080.57 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| | | *For Ductile Iron Grate, Add* | *126.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *307.50* | |
| 22 14 26 16-0043 | EA | 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer | 4,110.02 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *30.50* | |
| | | *For Ductile Iron Grate, Add* | *126.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *307.50* | |

## 22 14 26 19 Facility Trench Drains *(22 14 26)*

### 22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

| | | | | |
|---|---|---|---|---|
| 22 14 26 19-0002 | EA | 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,149.29 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *66.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *98.25* | |
| 22 14 26 19-0003 | EA | 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,177.27 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *66.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *98.25* | |
| 22 14 26 19-0004 | EA | 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,206.72 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *66.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *98.25* | |
| 22 14 26 19-0005 | EA | 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 689.81 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *66.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *98.25* | |
| 22 14 26 19-0006 | EA | 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 717.79 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *66.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *98.25* | |
| 22 14 26 19-0007 | EA | 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 747.24 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *66.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *98.25* | |
| 22 14 26 19-0008 | EA | 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,086.68 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *66.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *98.25* | |
| 22 14 26 19-0009 | EA | 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,114.66 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *66.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *98.25* | |
| 22 14 26 19-0010 | EA | 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,144.11 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *66.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *98.25* | |
| 22 14 26 19-0011 | EA | 6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,018.95 | 64.68 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *66.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *98.25* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 14 26 19-0012 | EA | 6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 559.47 | 64.68 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *66.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *98.25* | |
| 22 14 26 19-0013 | EA | 6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 956.34 | 64.68 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *66.00* | |
| | | *For Galvanized Cast Iron Parts, Add* | *98.25* | |
| 22 14 26 19-0014 | EA | 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,837.00 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| | | *For Sediment Bucket, Add* | *116.00* | |
| | | *For Galvanized Sediment Bucket, Add* | *188.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *131.50* | |
| 22 14 26 19-0015 | EA | 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,864.98 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| | | *For Sediment Bucket, Add* | *116.00* | |
| | | *For Galvanized Sediment Bucket, Add* | *188.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *131.50* | |
| 22 14 26 19-0016 | EA | 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,894.43 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| | | *For Sediment Bucket, Add* | *116.00* | |
| | | *For Galvanized Sediment Bucket, Add* | *188.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *131.50* | |
| 22 14 26 19-0017 | EA | 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,268.45 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| | | *For Sediment Bucket, Add* | *116.00* | |
| | | *For Galvanized Sediment Bucket, Add* | *188.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *131.50* | |
| 22 14 26 19-0018 | EA | 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,296.43 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| | | *For Sediment Bucket, Add* | *116.00* | |
| | | *For Galvanized Sediment Bucket, Add* | *188.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *131.50* | |
| 22 14 26 19-0019 | EA | 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,325.88 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| | | *For Sediment Bucket, Add* | *116.00* | |
| | | *For Galvanized Sediment Bucket, Add* | *188.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *131.50* | |
| 22 14 26 19-0020 | EA | 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,759.24 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| | | *For Sediment Bucket, Add* | *116.00* | |
| | | *For Galvanized Sediment Bucket, Add* | *188.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *131.50* | |
| 22 14 26 19-0021 | EA | 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,787.22 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| | | *For Sediment Bucket, Add* | *116.00* | |
| | | *For Galvanized Sediment Bucket, Add* | *188.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *131.50* | |
| 22 14 26 19-0022 | EA | 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,816.67 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| | | *For Sediment Bucket, Add* | *116.00* | |
| | | *For Galvanized Sediment Bucket, Add* | *188.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *131.50* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 14 26 19-0023 | EA | 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,534.04 | 129.78 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| | | *For Sediment Bucket, Add* | *116.00* | |
| | | *For Galvanized Sediment Bucket, Add* | *188.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *131.50* | |
| 22 14 26 19-0024 | EA | 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,562.02 | 143.79 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| | | *For Sediment Bucket, Add* | *116.00* | |
| | | *For Galvanized Sediment Bucket, Add* | *188.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *131.50* | |
| 22 14 26 19-0025 | EA | 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,591.47 | 158.56 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| | | *For Sediment Bucket, Add* | *116.00* | |
| | | *For Galvanized Sediment Bucket, Add* | *188.50* | |
| | | *For Galvanized Cast Iron Parts, Add* | *131.50* | |
| 22 14 26 19-0026 | EA | 12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,706.64 | 64.68 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| 22 14 26 19-0027 | EA | 12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,138.09 | 64.68 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| 22 14 26 19-0028 | EA | 12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,628.88 | 64.68 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |
| 22 14 26 19-0029 | EA | 12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots | 1,403.68 | 64.68 |
| | | *For Vandal Proof Screws, Add* | *48.50* | |
| | | *For Ductile Iron Grate, Add* | *181.50* | |
| | | *For Convex Grate On Cast Iron Or Ductile Price, Add* | *38.50* | |

## 22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

### 22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

#### 22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

| | | | | |
|---|---|---|---|---|
| 22 14 29 13-0002 | EA | 1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head | 6,620.95 | 312.76 |
| | | *For Explosion Proof Motor, Add* | *326.86* | |
| 22 14 29 13-0003 | EA | 1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head | 6,981.99 | 378.55 |
| | | *For Explosion Proof Motor, Add* | *363.37* | |
| 22 14 29 13-0004 | EA | 2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head | 7,969.41 | 449.73 |
| | | *For Explosion Proof Motor, Add* | *469.42* | |
| 22 14 29 13-0005 | EA | 3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head | 8,473.88 | 553.26 |
| | | *For Explosion Proof Motor, Add* | *532.01* | |
| 22 14 29 13-0006 | EA | 5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head | 8,942.00 | 599.64 |
| | | *For Explosion Proof Motor, Add* | *777.15* | |
| 22 14 29 13-0007 | EA | 10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head | 10,600.50 | 719.35 |
| | | *For Explosion Proof Motor, Add* | *881.47* | |
| 22 14 29 13-0008 | EA | 15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head | 12,439.48 | 744.96 |
| | | *For Explosion Proof Motor, Add* | *1,444.78* | |
| 22 14 29 13-0009 | EA | 20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head | 15,092.30 | 936.94 |
| | | *For Explosion Proof Motor, Add* | *1,917.68* | |
| 22 14 29 13-0010 | EA | 30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head | 16,268.99 | 1,092.70 |
| | | *For Explosion Proof Motor, Add* | *2,486.20* | |
| 22 14 29 13-0011 | EA | 50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head | 21,895.73 | 1,311.71 |
| | | *For Explosion Proof Motor, Add* | *3,239.01* | |
| 22 14 29 13-0012 | EA | 60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head | 30,463.58 | 1,456.93 |
| | | *For Explosion Proof Motor, Add* | *5,134.09* | |

#### 22 14 29 13-0013 Extra Column Assemblies *(22 14 29 13)*

| | | | |
|---|---|---|---|
| 22 14 29 13-0014 | EA | 1-1/2" Diameter x 5' Long Extra Column Assembly | 1,058.97 |
| 22 14 29 13-0015 | EA | 2" Diameter x 5' Long Extra Column Assembly | 1,158.76 |
| 22 14 29 13-0016 | EA | 2-1/2" Diameter x 5' Long Extra Column Assembly | 1,267.95 |
| 22 14 29 13-0017 | EA | 3" Diameter x 5' Long Extra Column Assembly | 1,522.43 |
| 22 14 29 13-0018 | EA | 4" Diameter x 5' Long Extra Column Assembly | 1,701.67 |
| 22 14 29 13-0019 | EA | 5" Diameter x 5' Long Extra Column Assembly | 1,732.65 |
| 22 14 29 13-0020 | EA | 6" Diameter x 5' Long Extra Column Assembly | 1,945.08 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 14 29 13-0021 | EA | 8" Diameter x 5' Long Extra Column Assembly | 2,128.37 | |
| **22 14 29 13-0022** | | **Support Plate** *(22 14 29 13)* | | |
| 22 14 29 13-0023 | EA | 24" Steel Support Plate, Round Or Square | 936.65 | 43.11 |
| 22 14 29 13-0024 | EA | 30" Steel Support Plate, Round Or Square | 1,036.77 | 48.50 |
| 22 14 29 13-0025 | EA | 36" Steel Support Plate, Round Or Square | 1,439.87 | 64.68 |
| 22 14 29 13-0026 | EA | 40" Steel Support Plate, Round Or Square | 2,098.08 | 75.46 |
| 22 14 29 13-0027 | EA | 42" Steel Support Plate, Round Or Square | 2,250.64 | 78.15 |
| 22 14 29 13-0028 | EA | 48" Steel Support Plate, Round Or Square | 2,407.60 | 80.85 |
| 22 14 29 13-0029 | EA | 54" Steel Support Plate, Round Or Square | 3,069.85 | 97.01 |
| 22 14 29 13-0030 | EA | 60" Steel Support Plate, Round Or Square | 4,169.67 | 107.79 |
| 22 14 29 13-0031 | EA | 72" Steel Support Plate, Round Or Square | 5,570.56 | 134.74 |
| 22 14 29 13-0032 | EA | 84" Steel Support Plate, Round Or Square | 6,732.51 | 148.21 |
| **22 14 29 16** | | **Submersible Sump Pumps** *(22 14 29)* | | |
| 22 14 29 16-0001 | | Submersible Sump/Effluent Pumps *(22 14 29 16)* | | |
| 22 14 29 16-0002 | | Wet Pit Submersible Pumps, (KSB) Series KRT K *(22 14 29 16-0001)*<br>Note: Includes 33' (10m) of cord with pump. | | |
| 22 14 29 16-0003 | | 4 Pole / 1,750 RPM *(22 14 29 16-0002)* | | |
| 22 14 29 16-0004 | EA | To 10 HP, 600 GPM At 32' Head, Wet Pit Submersible Pump | 8,401.53 | 370.60 |
| 22 14 29 16-0005 | EA | 11-20 HP, 900 GPM At 60' Head, Wet Pit Submersible Pump | 9,905.58 | 617.67 |
| 22 14 29 16-0006 | EA | 21-36 HP, 1,000 GPM At 105' Head, Wet Pit Submersible Pump | 16,942.01 | 864.74 |
| 22 14 29 16-0007 | EA | 51-83 HP, 2,500GPM At 115' Head, Wet Pit Submersible Pump | 40,653.33 | 1,111.81 |
| 22 14 29 16-0008 | EA | 83-110 HP, 2,600 GPM At 140' Head, Wet Pit Submersible Pump | 44,095.70 | 1,358.87 |
| 22 14 29 16-0009 | EA | 83-110 HP, 3,000 GPM At 100' Head, Wet Pit Submersible Pump | 47,843.92 | 1,358.87 |
| 22 14 29 16-0010 | EA | 83-110 HP, 3,500 GPM At 80' Head, Wet Pit Submersible Pump | 48,749.47 | 1,358.87 |
| 22 14 29 16-0011 | EA | 110-160 HP, 3,000 GPM At 180' Head, Wet Pit Submersible Pump | 56,747.78 | 1,605.95 |
| 22 14 29 16-0012 | EA | 110-160 HP, 3,500 GPM At 140' Head, Wet Pit Submersible Pump | 58,353.65 | 1,605.95 |
| 22 14 29 16-0013 | EA | 110-160 HP, 4,500 GPM At 110' Head, Wet Pit Submersible Pump | 60,366.38 | 1,605.95 |
| 22 14 29 16-0014 | EA | 160-210 HP, 3,800 GPM At 150' Head, Wet Pit Submersible Pump | 64,209.44 | 1,853.01 |
| 22 14 29 16-0015 | EA | 160-210 HP, 5,000 GPM At 130' Head, Wet Pit Submersible Pump | 68,494.16 | 1,853.01 |
| 22 14 29 16-0016 | | 6 Pole / 1160 RPM *(22 14 29 16-0002)* | | |
| 22 14 29 16-0017 | EA | To 10 HP, 1,100 GPM At 26' Head, Wet Pit Submersible Pump | 11,663.67 | 370.60 |
| 22 14 29 16-0018 | EA | To 10 HP, 1,800 GPM At 16' Head, Wet Pit Submersible Pump | 12,628.63 | 370.60 |
| 22 14 29 16-0019 | EA | 11-24 HP, 1,400 GPM At 47' Head, Wet Pit Submersible Pump | 16,447.88 | 617.67 |
| 22 14 29 16-0020 | EA | 11-24 HP, 2,400 GPM At 30' Head, Wet Pit Submersible Pump | 17,918.72 | 617.67 |
| 22 14 29 16-0021 | EA | 21-50 HP, 2,100 GPM At 75' Head, Wet Pit Submersible Pump | 25,907.50 | 864.74 |
| 22 14 29 16-0022 | EA | 21-50 HP, 2,400 GPM At 60' Head, Wet Pit Submersible Pump | 27,468.36 | 864.74 |
| 22 14 29 16-0023 | EA | 21-50 HP, 3,200 GPM At 50' Head, Wet Pit Submersible Pump | 33,195.11 | 864.74 |
| 22 14 29 16-0024 | EA | 21-50 HP, 5,000 GPM At 29' Head, Wet Pit Submersible Pump | 39,629.39 | 864.74 |
| 22 14 29 16-0025 | EA | 51-80 HP, 2,800 GPM At 80' Head, Wet Pit Submersible Pump | 40,385.09 | 1,111.81 |
| 22 14 29 16-0026 | EA | 51-80 HP, 4,000 GPM At 60' Head, Wet Pit Submersible Pump | 46,162.25 | 1,111.81 |
| 22 14 29 16-0027 | EA | 51-80 HP, 5,500 GPM At 43' Head, Wet Pit Submersible Pump | 46,529.51 | 1,111.81 |
| 22 14 29 16-0028 | EA | 76-112 HP, 2,200 GPM At 105' Head, Wet Pit Submersible Pump | 54,641.85 | 1,358.87 |
| 22 14 29 16-0029 | EA | 76-112 HP, 4,100 GPM At 70' Head, Wet Pit Submersible Pump | 58,782.54 | 1,358.87 |
| 22 14 29 16-0030 | EA | 76-112 HP, 6,500 GPM At 50' Head, Wet Pit Submersible Pump | 67,776.84 | 1,358.87 |
| 22 14 29 16-0031 | EA | 112-143 HP, 2,500 GPM At 120' Head, Wet Pit Submersible Pump | 73,893.84 | 1,605.95 |
| 22 14 29 16-0032 | EA | 112-143 HP, 6,500 GPM At 65' Head, Wet Pit Submersible Pump | 74,432.13 | 1,605.95 |
| 22 14 29 16-0033 | EA | 155-200 HP, 3,000 GPM At 150' Head, Wet Pit Submersible Pump | 91,628.01 | 1,853.01 |
| 22 14 29 16-0034 | EA | 155-200 HP, 6,000 GPM At 110' Head, Wet Pit Submersible Pump | 101,545.86 | 1,853.01 |
| 22 14 29 16-0035 | EA | 201-280 HP, 6,500 GPM At 130' Head, Wet Pit Submersible Pump | 111,420.04 | 2,100.08 |
| 22 14 29 16-0036 | EA | 281-450 HP, 12,000 GPM At 110' Head, Wet Pit Submersible Pump | 159,549.49 | 2,347.15 |
| 22 14 29 16-0037 | | 8 Pole / 875 RPM *(22 14 29 16-0002)* | | |
| 22 14 29 16-0038 | EA | To 20 HP, 2,300 GPM At 25' Head, Wet Pit Submersible Pump | 11,228.81 | 617.67 |
| 22 14 29 16-0039 | EA | 21-30 HP, 2,500 GPM At 31' Head, Wet Pit Submersible Pump | 12,887.73 | 864.74 |
| 22 14 29 16-0040 | EA | 31-50 HP, 4,700 GPM At 29' Head, Wet Pit Submersible Pump | 18,468.24 | 1,111.81 |
| 22 14 29 16-0041 | EA | 51-117 HP, 6,500 GPM At 45' Head, Wet Pit Submersible Pump | 35,353.44 | 1,358.87 |
| 22 14 29 16-0042 | EA | 118-175 HP, 9,000 GPM At 60' Head, Wet Pit Submersible Pump | 44,705.57 | 1,605.95 |
| 22 14 29 16-0043 | EA | 176-210 HP, 14,000 GPM At 50' Head, Wet Pit Submersible Pump | 60,949.10 | 1,853.01 |
| 22 14 29 16-0044 | EA | 211-250 HP, 14,000 GPM At 60' Head, Wet Pit Submersible Pump | 65,064.11 | 2,100.08 |
| 22 14 29 16-0045 | | 10 Pole / 700 RPM *(22 14 29 16-0002)* | | |
| 22 14 29 16-0046 | EA | To 55 HP, 6,500 GPM At 25' Head Wet Pit Submersible Pump | 30,653.09 | 864.74 |
| 22 14 29 16-0047 | EA | 56-76 HP, 7,000 GPM At 36' Head Wet Pit Submersible Pump | 34,859.97 | 1,111.81 |
| 22 14 29 16-0048 | EA | 76-117 HP, 10,000 GPM At 30' Head Wet Pit Submersible Pump | 52,389.68 | 1,358.87 |
| 22 14 29 16-0049 | EA | 118-150 HP, 11,500 GPM At 40' Head Wet Pit Submersible Pump | 61,738.21 | 1,605.95 |
| 22 14 29 16-0050 | | Dry Pit Submersible Pumps, (KSB) Series KRT K-D *(22 14 29 16-0001)*<br>Note: Includes 33' (10m) of cord with pump. | | |
| 22 14 29 16-0051 | | 4 Pole / 1,750 RPM *(22 14 29 16-0050)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 14 29 16-0052 | EA | To 35 HP, 800 GPM At 90' Head Dry Pit Submersible Pump | 26,753.64 | 864.74 |
| 22 14 29 16-0053 | EA | To 35 HP, 1,700 GPM At 50' Head Dry Pit Submersible Pump | 29,544.11 | 864.74 |
| 22 14 29 16-0054 | EA | 36-50 HP, 1,300 GPM At 80' Head Dry Pit Submersible Pump | 30,579.26 | 988.27 |
| 22 14 29 16-0055 | EA | 36-50 HP, 2,000 GPM At 66' Head Dry Pit Submersible Pump | 35,400.46 | 988.27 |
| 22 14 29 16-0056 | EA | 51-75 HP, 1,600 GPM At 110' Head Dry Pit Submersible Pump | 52,811.41 | 1,111.81 |
| 22 14 29 16-0057 | EA | 51-75 HP, 2,400 GPM At 80' Head Dry Pit Submersible Pump | 53,790.77 | 1,111.81 |
| 22 14 29 16-0058 | EA | 76-110 HP, 1,900 GPM At 125' Head Dry Pit Submersible Pump | 58,082.23 | 1,358.87 |
| 22 14 29 16-0059 | EA | 76-110 HP, 2,600 GPM At 110' Head Dry Pit Submersible Pump | 58,312.66 | 1,358.87 |
| 22 14 29 16-0060 | EA | 110-150 HP, 3,000 GPM At 160' Head Dry Pit Submersible Pump | 82,601.89 | 1,605.95 |
| 22 14 29 16-0061 | EA | 110-150 HP, 4,000 GPM At 100' Head Dry Pit Submersible Pump | 95,666.67 | 1,605.95 |
| **22 14 29 16-0062** | | **6 Pole / 1160 RPM** *(22 14 29 16-0050)* | | |
| 22 14 29 16-0063 | EA | To 35 HP, 1,300 GPM At 55' Head Dry Pit Submersible Pump | 33,407.55 | 864.74 |
| 22 14 29 16-0064 | EA | To 35 HP, 1,800 GPM At 45' Head Dry Pit Submersible Pump | 36,622.88 | 864.74 |
| 22 14 29 16-0065 | EA | To 35 HP, 2,800 GPM At 35' Head Dry Pit Submersible Pump | 45,228.32 | 864.74 |
| 22 14 29 16-0066 | EA | 36-50 HP, 2,000 GPM At 55' Head Dry Pit Submersible Pump | 49,271.77 | 988.27 |
| 22 14 29 16-0067 | EA | 36-50 HP, 3,200 GPM At 50' Head Dry Pit Submersible Pump | 56,519.78 | 988.27 |
| 22 14 29 16-0068 | EA | 51-75 HP, 2,500 GPM At 88' Head Dry Pit Submersible Pump | 62,169.37 | 1,111.81 |
| 22 14 29 16-0069 | EA | 51-75 HP, 5,500 GPM At 45' Head Dry Pit Submersible Pump | 75,966.87 | 1,111.81 |
| 22 14 29 16-0070 | EA | 76-112 HP, 3,100 GPM At 100' Head Dry Pit Submersible Pump | 85,686.23 | 1,358.87 |
| 22 14 29 16-0071 | EA | 76-112 HP, 8,400 GPM At 55' Head Dry Pit Submersible Pump | 94,340.27 | 1,358.87 |
| 22 14 29 16-0072 | EA | 112-154 HP, 3,300 GPM At 130' Head Dry Pit Submersible Pump | 115,403.36 | 1,605.95 |
| 22 14 29 16-0073 | EA | 112-154 HP, 5,000 GPM At 80' Head Dry Pit Submersible Pump | 139,556.18 | 1,605.95 |
| 22 14 29 16-0074 | EA | 154-200 HP, 3,700 GPM At 140' Head Dry Pit Submersible Pump | 144,189.57 | 1,853.01 |
| 22 14 29 16-0075 | EA | 154-200 HP, 5,700 GPM At 100' Head Dry Pit Submersible Pump | 148,330.26 | 1,853.01 |
| 22 14 29 16-0076 | EA | 201-300 HP, 6,500 GPM At 130' Head Dry Pit Submersible Pump | 218,226.44 | 2,100.08 |
| **22 14 29 16-0077** | | **8 Pole / 875 RPM** *(22 14 29 16-0050)* | | |
| 22 14 29 16-0078 | EA | To 35 HP, 2,000 GPM At 45' Head, Dry Pit Submersible Pump | 47,844.15 | 864.74 |
| 22 14 29 16-0079 | EA | To 35 HP, 2,400 GPM At 32' Head, Dry Pit Submersible Pump | 60,289.63 | 864.74 |
| 22 14 29 16-0080 | EA | 36-50 HP, 4,600 GPM At 30' Head, Dry Pit Submersible Pump | 67,580.82 | 988.27 |
| 22 14 29 16-0081 | EA | 51-75 HP, 4,250 GPM At 51' Head, Dry Pit Submersible Pump | 84,005.21 | 1,111.81 |
| 22 14 29 16-0082 | EA | 76-110 HP, 4,600 GPM At 70' Head, Dry Pit Submersible Pump | 106,215.05 | 1,358.87 |
| 22 14 29 16-0083 | EA | 76-110 HP, 8,500 GPM At 40' Head, Dry Pit Submersible Pump | 113,301.03 | 1,358.87 |
| 22 14 29 16-0084 | EA | 110-154 HP, 5,000 GPM At 75' Head, Dry Pit Submersible Pump | 124,926.94 | 1,605.95 |
| 22 14 29 16-0085 | EA | 110-154 HP, 9,000 GPM At 55' Head, Dry Pit Submersible Pump | 139,619.19 | 1,605.95 |
| 22 14 29 16-0086 | EA | 110-154 HP, 12,000 GPM At 32' Head, Dry Pit Submersible Pump | 181,719.21 | 1,605.95 |
| 22 14 29 16-0087 | EA | 154-214 HP, 13,000 GPM At 50' Head, Dry Pit Submersible Pump | 238,474.88 | 1,853.01 |
| 22 14 29 16-0088 | EA | 215-244 HP, 14,000 GPM At 55' Head, Dry Pit Submersible Pump | 258,752.99 | 2,100.08 |
| **22 14 29 16-0089** | | **10 Pole / 700 RPM** *(22 14 29 16-0050)* | | |
| 22 14 29 16-0090 | EA | To 55 HP, 3,600 GPM At 40' Head Dry Pit Submersible Pump | 101,856.73 | 988.27 |
| 22 14 29 16-0091 | EA | To 55 HP, 6,250 GPM At 28' Head Dry Pit Submersible Pump | 108,708.68 | 988.27 |
| 22 14 29 16-0092 | EA | 56-75 HP, 4,000 GPM At 47' Head Dry Pit Submersible Pump | 113,709.26 | 1,111.81 |
| 22 14 29 16-0093 | EA | 55-82 HP, 9,000 GPM At 37' Head Dry Pit Submersible Pump | 118,462.95 | 1,111.81 |
| 22 14 29 16-0094 | EA | 76-110 HP, 10,500 GPM At 30' Head Dry Pit Submersible Pump | 178,018.21 | 1,358.87 |
| 22 14 29 16-0095 | EA | 110-154 HP, 11,500 GPM At 40' Head Dry Pit Submersible Pump | 195,919.97 | 1,605.95 |
| 22 14 29 16-0096 | EA | 154-214 HP, 13,000 GPM At 55' Head Dry Pit Submersible Pump | 252,288.58 | 1,853.01 |
| **22 14 29 16-0097** | | **Submersible Sump Pump, Ebara** *(22 14 29 16-0001)* | | |
| **22 14 29 16-0098** | | **Submersible Sump Pump, 2", 3", 4" Ebara Model DSU** *(22 14 29 16-0097)* | | |
| 22 14 29 16-0099 | EA | 3 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSU62.2 | 3,613.92 | 258.69 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For Guide Rail System, Add* | *274.55* | |
| 22 14 29 16-0100 | EA | 5 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSU63.7 | 4,114.53 | 344.93 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For Guide Rail System, Add* | *274.55* | |
| 22 14 29 16-0101 | EA | 3 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSU62.2 | 3,815.96 | 258.69 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For Guide Rail System, Add* | *381.65* | |
| 22 14 29 16-0102 | EA | 5 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSU63.7 | 4,206.27 | 344.93 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For Guide Rail System, Add* | *381.65* | |
| 22 14 29 16-0103 | EA | 7.5 HP Submersible Sump Pump, 4" Discharge, 3 Phase, Ebara 100DSU65.5 | 5,634.06 | 431.16 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| 22 14 29 16-0104 | EA | 10 HP Submersible Sump Pump, 4" Discharge, 3 Phase, Ebara 100DSU67.5 | 6,331.25 | 517.40 |
| | | *For 20' Stainless Steel Chain, Add* | *423.30* | |
| | | *For Guide Rail System, Add* | *754.80* | |
| **22 14 29 16-0105** | | **Submersible Sump Pump, 2", 3", Ebara Model DSHU, Rated 176 Degrees F** *(22 14 29 16-0097)* | | |
| 22 14 29 16-0106 | EA | 1/2 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU6.4 | 1,610.17 | 86.23 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For Guide Rail System, Add* | *220.15* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 14 29 16-0107 | EA | 1 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU6.75 | 1,791.13 | 129.35 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For Guide Rail System, Add* | *220.15* | |
| 22 14 29 16-0108 | EA | 2 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU61.5 | 2,653.22 | 215.58 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For Guide Rail System, Add* | *220.15* | |
| 22 14 29 16-0109 | EA | 3 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU62.2 | 4,359.81 | 258.69 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For Guide Rail System, Add* | *274.55* | |
| 22 14 29 16-0110 | EA | 5 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU63.7 | 4,656.21 | 344.93 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For Guide Rail System, Add* | *274.55* | |
| 22 14 29 16-0111 | EA | 3 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSHU62.2 | 4,686.34 | 258.69 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For Guide Rail System, Add* | *381.65* | |
| 22 14 29 16-0112 | EA | 5 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSHU63.5 | 5,084.30 | 344.93 |
| | | *For 20' Stainless Steel Chain, Add* | *284.75* | |
| | | *For Guide Rail System, Add* | *381.65* | |

### 22 14 29 16-0113 Submersible Sump Pump With Vortex Impeller *(22 14 29 16)*

### 22 14 29 16-0114 Submersible Sump Pump With Cast Iron Vortex Impeller *(22 14 29 16-0113)*

| | | | | |
|---|---|---|---|---|
| 22 14 29 16-0115 | EA | 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller | 551.76 | 70.24 |
| 22 14 29 16-0116 | EA | 1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller | 615.88 | 70.24 |
| 22 14 29 16-0117 | EA | 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller | 989.79 | 74.33 |
| 22 14 29 16-0118 | EA | 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller | 1,091.26 | 74.33 |

### 22 14 29 16-0119 Submersible Sump Pump With Bronze Vortex Impeller *(22 14 29 16-0113)*

Note: Includes 20' of cord with pump.

| | | | | |
|---|---|---|---|---|
| 22 14 29 16-0120 | EA | 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller | 1,697.27 | 74.33 |
| 22 14 29 16-0121 | EA | 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller | 1,850.18 | 74.33 |
| 22 14 29 16-0122 | EA | 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller | 1,941.23 | 81.93 |
| 22 14 29 16-0123 | EA | 1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller | 2,104.71 | 81.93 |
| 22 14 29 16-0124 | EA | 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller | 2,160.97 | 93.64 |
| 22 14 29 16-0125 | EA | 1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller | 2,321.63 | 93.64 |
| 22 14 29 16-0126 | EA | 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller | 2,316.32 | 111.20 |
| 22 14 29 16-0127 | EA | 2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller | 2,455.84 | 111.20 |

### 22 14 29 16-0128 Submersible Sump Pump With Semi-Open Impeller *(22 14 29 16)*

Note: Includes 20' of cord with pump.

| | | | | |
|---|---|---|---|---|
| 22 14 29 16-0129 | EA | 1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 1,195.92 | 70.24 |
| 22 14 29 16-0130 | EA | 1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 1,234.87 | 70.24 |
| 22 14 29 16-0131 | EA | 1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 1,542.36 | 74.33 |
| 22 14 29 16-0132 | EA | 1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 1,569.73 | 74.33 |
| 22 14 29 16-0133 | EA | 3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 1,883.52 | 78.43 |
| 22 14 29 16-0134 | EA | 3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 1,883.52 | 78.43 |
| 22 14 29 16-0135 | EA | 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 1,992.06 | 81.93 |
| 22 14 29 16-0136 | EA | 1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 1,992.06 | 81.93 |
| 22 14 29 16-0137 | EA | 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 2,273.48 | 93.64 |
| 22 14 29 16-0138 | EA | 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 2,273.48 | 93.64 |
| 22 14 29 16-0139 | EA | 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 2,644.51 | 111.20 |
| 22 14 29 16-0140 | EA | 2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller | 2,597.14 | 111.20 |

## 22 14 29 19 Sump-Pump Basins and Pits *(22 14 29)*

See CSI section 22 13 29 33-0000 for basins and pits.

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 22 15 General Service Compressed-Air Systems *(22 10)*

## 22 15 13 General Service Compressed-Air Piping *(22 15)*

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

### 22 15 13 00-0001 Aluminum Pipe And Fittings For Compressed Air *(22 15 13)*

### 22 15 13 00-0002 Aluminum (6063) Pipe (FastPipe) *(22 15 13 00-0001)*

Note: For compressed air system

| | | | | |
|---|---|---|---|---|
| 22 15 13 00-0003 | LF | 3/4" Blue Rigid Aluminum Pipe<br>Note: For compresed air system | 8.12 | 2.35 |
| 22 15 13 00-0004 | LF | 1" Blue Rigid Aluminum Pipe<br>Note: For compresed air system | 9.96 | 2.58 |
| 22 15 13 00-0005 | LF | 1-1/2" Blue Rigid Aluminum Pipe<br>Note: For compresed air system | 13.38 | 3.28 |
| 22 15 13 00-0006 | LF | 2" Blue Rigid Aluminum Pipe<br>Note: For compresed air system | 16.16 | 3.75 |
| 22 15 13 00-0007 | LF | 3" Blue Rigid Aluminum Pipe<br>Note: For compresed air system | 26.51 | 5.15 |

### 22 15 13 00-0008 Compression Fittings (FastPipe) *(22 15 13 00-0001)*

Note: For compressed air system

### 22 15 13 00-0009 Compression Union *(22 15 13 00-0008)*

| | | | | |
|---|---|---|---|---|
| 22 15 13 00-0010 | EA | 3/4" FastPipe Compression Union<br>Note: For compresed air system | 22.87 | 3.28 |
| 22 15 13 00-0011 | EA | 1" FastPipe Compression Union<br>Note: For compresed air system | 34.41 | 4.68 |
| 22 15 13 00-0012 | EA | 1-1/2" FastPipe Compression Union<br>Note: For compresed air system | 53.71 | 6.55 |
| 22 15 13 00-0013 | EA | 2" FastPipe Compression Union<br>Note: For compresed air system | 67.24 | 8.43 |
| 22 15 13 00-0014 | EA | 3" FastPipe Compression Union<br>Note: For compresed air system | 128.29 | 13.11 |

### 22 15 13 00-0015 Compression 90 Degree Elbow *(22 15 13 00-0008)*

| | | | | |
|---|---|---|---|---|
| 22 15 13 00-0016 | EA | 3/4" FastPipe Compression 90 Degree Elbow<br>Note: For compresed air system | 24.21 | 3.28 |
| 22 15 13 00-0017 | EA | 1" FastPipe Compression 90 Degree Elbow<br>Note: For compresed air system | 35.81 | 4.68 |
| 22 15 13 00-0018 | EA | 1-1/2" FastPipe Compression 90 Degree Elbow<br>Note: For compresed air system | 55.19 | 6.55 |
| 22 15 13 00-0019 | EA | 2" FastPipe Compression 90 Degree Elbow<br>Note: For compresed air system | 75.64 | 8.43 |
| 22 15 13 00-0020 | EA | 3" FastPipe Compression 90 Degree Elbow<br>Note: For compresed air system | 146.15 | 13.11 |

### 22 15 13 00-0021 Compression 45 Degree Elbow *(22 15 13 00-0008)*

| | | | | |
|---|---|---|---|---|
| 22 15 13 00-0022 | EA | 1" FastPipe Compression 45 Degree Elbow<br>Note: For compresed air system | 36.11 | 4.68 |
| 22 15 13 00-0023 | EA | 1-1/2" FastPipe Compression 45 Degree Elbow<br>Note: For compresed air system | 61.65 | 6.55 |
| 22 15 13 00-0024 | EA | 2" FastPipe Compression 45 Degree Elbow<br>Note: For compresed air system | 81.71 | 8.43 |

### 22 15 13 00-0025 Compression Tee *(22 15 13 00-0008)*

| | | | | |
|---|---|---|---|---|
| 22 15 13 00-0026 | EA | 3/4" FastPipe Compression Tee<br>Note: For compresed air system | 32.60 | 4.91 |
| 22 15 13 00-0027 | EA | 1" FastPipe Compression Tee<br>Note: For compresed air system | 46.16 | 7.03 |
| 22 15 13 00-0028 | EA | 1-1/2" FastPipe Compression Tee<br>Note: For compresed air system | 85.46 | 9.84 |
| 22 15 13 00-0029 | EA | 2" FastPipe Compression Tee<br>Note: For compresed air system | 106.39 | 12.65 |
| 22 15 13 00-0030 | EA | 3" FastPipe Compression Tee<br>Note: For compresed air system | 202.43 | 19.66 |

### 22 15 13 00-0031 Compression Reducing Tee *(22 15 13 00-0008)*

| | | | | |
|---|---|---|---|---|
| 22 15 13 00-0032 | EA | 1" x 3/4" FastPipe Compression Reducing Tee<br>Note: For compresed air system | 44.31 | 6.32 |
| 22 15 13 00-0033 | EA | 1-1/2" x 3/4" FastPipe Compression Reducing Tee<br>Note: For compresed air system | 76.63 | 8.20 |
| 22 15 13 00-0034 | EA | 1-1/2" x 1" FastPipe Compression Reducing Tee<br>Note: For compresed air system | 79.93 | 8.90 |
| 22 15 13 00-0035 | EA | 2" x 3/4" FastPipe Compression Reducing Tee<br>Note: For compresed air system | 96.91 | 10.07 |
| 22 15 13 00-0036 | EA | 2" x 1" FastPipe Compression Reducing Tee<br>Note: For compresed air system | 99.86 | 10.77 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 15 13 00-0037** | | **Compression Reducing Union** *(22 15 13 00-0008)* | | |
| 22 15 13 00-0038 | EA | 1" x 3/4" FastPipe Compression Reducing Union<br>Note: For compresed air system | 33.25 | 3.98 |
| 22 15 13 00-0039 | EA | 1-1/2" x 3/4" FastPipe Compression Reducing Union<br>Note: For compresed air system | 48.77 | 4.91 |
| 22 15 13 00-0040 | EA | 1-1/2" x 1" FastPipe Compression Reducing Union<br>Note: For compresed air system | 49.71 | 5.62 |
| 22 15 13 00-0041 | EA | 2" x 3/4" FastPipe Compression Reducing Union<br>Note: For compresed air system | 61.87 | 5.85 |
| 22 15 13 00-0042 | EA | 2" x 1" FastPipe Compression Reducing Union<br>Note: For compresed air system | 64.11 | 6.55 |
| 22 15 13 00-0043 | EA | 2" x 1-1/2" FastPipe Compression Reducing Union<br>Note: For compresed air system | 68.03 | 7.49 |
| **22 15 13 00-0044** | | **Compression x NPT 90 Degree Reducing Elbow** *(22 15 13 00-0008)* | | |
| 22 15 13 00-0045 | EA | 3/4" x 1/4" NPT FastPipe Compression 90 Degree Reducing Elbow<br>Note: For compresed air system | 48.96 | 6.79 |
| 22 15 13 00-0046 | EA | 3/4" x 1/2" NPT FastPipe Compression 90 Degree Reducing Elbow<br>Note: For compresed air system | 52.12 | 7.72 |
| 22 15 13 00-0047 | EA | 1" x 1/4" NPT FastPipe Compression 90 Degree Reducing Elbow<br>Note: For compresed air system | 57.64 | 7.49 |
| 22 15 13 00-0048 | EA | 1" x 1/2" NPT FastPipe Compression 90 Degree Reducing Elbow<br>Note: For compresed air system | 59.49 | 8.43 |
| 22 15 13 00-0049 | EA | 1" x 3/4" NPT FastPipe Compression 90 Degree Reducing Elbow<br>Note: For compresed air system | 61.83 | 9.36 |
| **22 15 13 00-0050** | | **Compression x NPT Reducing Tee** *(22 15 13 00-0008)* | | |
| 22 15 13 00-0051 | EA | 3/4" x 1/4" NPT FastPipe Compression Reducing Tee<br>Note: For compresed air system | 56.62 | 8.43 |
| 22 15 13 00-0052 | EA | 3/4" x 1/2" NPT FastPipe Compression Reducing Tee<br>Note: For compresed air system | 58.85 | 9.36 |
| 22 15 13 00-0053 | EA | 1" x 1/4" NPT FastPipe Compression Reducing Tee<br>Note: For compresed air system | 67.27 | 9.84 |
| 22 15 13 00-0054 | EA | 1" x 1/2" NPT FastPipe Compression Reducing Tee<br>Note: For compresed air system | 69.28 | 10.77 |
| 22 15 13 00-0055 | EA | 1" x 3/4" NPT FastPipe Compression Reducing Tee<br>Note: For compresed air system | 71.84 | 11.71 |
| 22 15 13 00-0056 | EA | 1-1/2" x 1/2" NPT FastPipe Compression Reducing Tee<br>Note: For compresed air system | 96.40 | 12.65 |
| 22 15 13 00-0057 | EA | 1-1/2" x 3/4" NPT FastPipe Compression Reducing Tee<br>Note: For compresed air system | 98.75 | 13.58 |
| 22 15 13 00-0058 | EA | 2" x 1/2" NPT FastPipe Compression Reducing Tee<br>Note: For compresed air system | 107.65 | 14.52 |
| 22 15 13 00-0059 | EA | 2" x 3/4" NPT FastPipe Compression Reducing Tee<br>Note: For compresed air system | 109.99 | 15.45 |
| **22 15 13 00-0060** | | **Compression Inline Valve** *(22 15 13 00-0008)* | | |
| 22 15 13 00-0061 | EA | 3/4" FastPipe Compression Inline Valve<br>Note: For compresed air system | 73.67 | 3.28 |
| 22 15 13 00-0062 | EA | 1" FastPipe Compression Inline Valve<br>Note: For compresed air system | 94.60 | 4.68 |
| 22 15 13 00-0063 | EA | 1-1/2" FastPipe Compression Inline Valve<br>Note: For compresed air system | 195.93 | 6.55 |
| 22 15 13 00-0064 | EA | 2" FastPipe Compression Inline Valve<br>Note: For compresed air system | 283.19 | 8.43 |
| 22 15 13 00-0065 | EA | 3" FastPipe Compression Inline Valve<br>Note: For compresed air system | 456.94 | 13.11 |
| **22 15 13 00-0066** | | **Compression Single Port Wall Outlet** *(22 15 13 00-0008)* | | |
| 22 15 13 00-0067 | EA | 3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet<br>Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system | 64.95 | 7.72 |
| 22 15 13 00-0068 | EA | 1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet<br>Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system | 67.24 | 8.43 |
| **22 15 13 00-0069** | | **NPT Push To Connect Coupler** *(22 15 13 00-0008)* | | |
| 22 15 13 00-0070 | EA | 1/2" Male NPT Push To Connect Coupler<br>Note: For compresed air system | 25.68 | 6.09 |
| **22 15 13 00-0071** | | **Quick Disconnect, Air-Service** *(22 15 13)* | | |
| **22 15 13 00-0072** | | **Combination Steel And Brass** *(22 15 13 00-0071)* | | |
| 22 15 13 00-0073 | EA | 1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket | 56.75 | 16.39 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 15 13 00-0074 | EA | 3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket | 63.36 | 19.89 |
| **22 15 13 00-0075** | | **Refrigerated Air Dryers With Ambient Air Filters** *(22 15 13)* | | |
| | | Note: 120 Voltage, 1 Phase | | |
| 22 15 13 00-0076 | EA | 3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 857.91 | 93.38 |
| 22 15 13 00-0077 | EA | 5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 984.72 | 95.98 |
| 22 15 13 00-0078 | EA | 7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 1,164.98 | 98.57 |
| 22 15 13 00-0079 | EA | 10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 1,313.73 | 103.75 |
| 22 15 13 00-0080 | EA | 15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 1,717.56 | 116.72 |
| 22 15 13 00-0081 | EA | 20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 1,941.88 | 132.81 |
| 22 15 13 00-0082 | EA | 25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 2,177.78 | 150.45 |
| 22 15 13 00-0083 | EA | 30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 2,562.53 | 168.60 |
| 22 15 13 00-0084 | EA | 40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 2,969.90 | 197.14 |
| 22 15 13 00-0085 | EA | 50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 3,350.68 | 210.62 |
| 22 15 13 00-0086 | EA | 60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 3,942.27 | 233.44 |
| 22 15 13 00-0087 | EA | 75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 4,538.05 | 259.38 |
| | | *For 230 Voltage, Add* | *1,205.78* | |
| 22 15 13 00-0088 | EA | 85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 4,903.35 | 285.33 |
| | | *For 230 Voltage, Add* | *1,299.81* | |
| 22 15 13 00-0089 | EA | 100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 5,277.68 | 316.45 |
| | | *For 230 Voltage, Add* | *1,393.84* | |
| 22 15 13 00-0090 | EA | 125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 5,707.71 | 337.21 |
| | | *For 230 Voltage, Add* | *1,509.99* | |
| 22 15 13 00-0091 | EA | 175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 6,037.85 | 350.18 |
| | | *For 230 Voltage, Add* | *1,601.25* | |
| 22 15 13 00-0092 | EA | 200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 10,543.98 | 363.15 |
| | | *For 230 Voltage, Add* | *2,945.31* | |
| 22 15 13 00-0093 | EA | 250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 11,335.06 | 376.12 |
| | | *For 230 Voltage, Add* | *3,174.85* | |
| 22 15 13 00-0094 | EA | 300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 12,104.02 | 389.08 |
| | | *For 230 Voltage, Add* | *3,397.76* | |
| 22 15 13 00-0095 | EA | 400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 14,395.99 | 415.02 |
| | | *For 230 Voltage, Add* | *4,069.78* | |
| 22 15 13 00-0096 | EA | 500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 16,312.60 | 518.78 |
| | | *For 230 Voltage, Add* | *4,582.52* | |
| 22 15 13 00-0097 | EA | 600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 23,240.40 | 622.53 |
| | | *For 230 Voltage, Add* | *6,598.60* | |
| 22 15 13 00-0098 | EA | 800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 31,597.08 | 726.28 |
| | | *For 230 Voltage, Add* | *9,043.35* | |
| 22 15 13 00-0099 | EA | 1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters | 35,372.13 | 830.05 |
| | | *For 230 Voltage, Add* | *10,113.62* | |
| 22 15 13 00-0100 | EA | Cycling Refrigerant Dryer (Ingersoll Rand D127NC 115/1/60) | 5,250.61 | |
| **22 15 13 00-0101** | | **Oil And Water Separator For Air Compressor** *(22 15 13)* | | |
| 22 15 13 00-0102 | EA | 0-60 SCFM Oil/Water Separator | 783.00 | 37.47 |
| 22 15 13 00-0103 | EA | 85 SCFM Oil/Water Separator | 1,050.24 | 43.91 |
| 22 15 13 00-0104 | EA | 190 SCFM Oil/Water Separator | 1,227.87 | 49.77 |
| 22 15 13 00-0105 | EA | 245 SCFM Oil/Water Separator | 1,542.28 | 58.55 |
| 22 15 13 00-0106 | EA | 320 SCFM Oil/Water Separator | 1,833.05 | 70.26 |
| 22 15 13 00-0107 | EA | 700 SCFM Oil/Water Separator | 3,694.39 | 146.38 |
| **22 15 13 00-0108** | | **Heavy-Duty Industrial Pressure Regulator** *(22 15 13)* | | |
| 22 15 13 00-0109 | EA | 3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output | 130.47 | 31.12 |
| 22 15 13 00-0110 | EA | 1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output | 182.57 | 41.50 |
| 22 15 13 00-0111 | EA | 3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output | 315.41 | 51.88 |
| 22 15 13 00-0112 | EA | 1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output | 393.10 | 77.82 |
| 22 15 13 00-0113 | EA | 1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output | 552.78 | 90.78 |
| 22 15 13 00-0114 | EA | 1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output | 578.72 | 103.75 |
| **22 15 13 00-0115** | | **Combination Air System; Filter Regulator Lubricator** *(22 15 13)* | | |
| 22 15 13 00-0116 | EA | 3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter | 500.17 | 93.38 |
| 22 15 13 00-0117 | EA | 1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter | 617.74 | 124.51 |
| **22 15 13 00-0118** | | **Heatless Desiccant Air Dryers** *(22 15 13)* | | |
| 22 15 13 00-0119 | EA | 5 SCFM Heatless Desiccant Air Dryer | 3,031.04 | 93.38 |
| 22 15 13 00-0120 | EA | 10 SCFM Heatless Desiccant Air Dryer | 3,646.01 | 103.75 |
| 22 15 13 00-0121 | EA | 15 SCFM Heatless Desiccant Air Dryer | 3,679.67 | 114.13 |
| 22 15 13 00-0122 | EA | 20 SCFM Heatless Desiccant Air Dryer | 4,203.12 | 129.69 |
| 22 15 13 00-0123 | EA | 30 SCFM Heatless Desiccant Air Dryer | 5,794.43 | 155.63 |
| 22 15 13 00-0124 | EA | 50 SCFM Heatless Desiccant Air Dryer | 5,711.97 | 207.51 |
| 22 15 13 00-0125 | EA | 85 SCFM Heatless Desiccant Air Dryer | 7,676.02 | 259.38 |
| 22 15 13 00-0126 | EA | 100 SCFM Heatless Desiccant Air Dryer | 8,138.93 | 311.27 |
| 22 15 13 00-0127 | EA | 125 SCFM Heatless Desiccant Air Dryer | 9,316.45 | 363.15 |
| 22 15 13 00-0128 | EA | 175 SCFM Heatless Desiccant Air Dryer | 10,698.45 | 415.02 |
| 22 15 13 00-0129 | EA | 200 SCFM Heatless Desiccant Air Dryer | 11,492.67 | 466.90 |
| 22 15 13 00-0130 | EA | 300 SCFM Heatless Desiccant Air Dryer | 14,063.29 | 518.78 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 15 13 00-0131 | EA | 400 SCFM Heatless Desiccant Air Dryer | 15,613.01 | 622.53 |
| 22 15 13 00-0132 | EA | 500 SCFM Heatless Desiccant Air Dryer | 18,044.04 | 726.28 |
| 22 15 13 00-0133 | EA | 600 SCFM Heatless Desiccant Air Dryer | 20,821.65 | 830.05 |
| **22 15 13 00-0134** | | **Air-Cooled Aftercoolers** *(22 15 13)* | | |
| 22 15 13 00-0135 | EA | 20 SCFM Air-Cooled Aftercooler | 756.58 | 64.85 |
| 22 15 13 00-0136 | EA | 35 SCFM Air-Cooled Aftercooler | 1,024.01 | 77.82 |
| 22 15 13 00-0137 | EA | 43 SCFM Air-Cooled Aftercooler | 1,123.70 | 90.78 |
| 22 15 13 00-0138 | EA | 70 SCFM Air-Cooled Aftercooler | 1,374.57 | 103.75 |
| 22 15 13 00-0139 | EA | 125 SCFM Air-Cooled Aftercooler | 1,920.43 | 116.72 |
| 22 15 13 00-0140 | EA | 185 SCFM Air-Cooled Aftercooler | 2,156.55 | 129.69 |
| 22 15 13 00-0141 | EA | 260 SCFM Air-Cooled Aftercooler | 4,194.84 | 155.63 |
| 22 15 13 00-0142 | EA | 365 SCFM Air-Cooled Aftercooler | 4,381.68 | 181.57 |
| 22 15 13 00-0143 | EA | 560 SCFM Air-Cooled Aftercooler | 4,567.03 | 207.51 |
| 22 15 13 00-0144 | EA | 650 SCFM Air-Cooled Aftercooler | 5,357.87 | 233.44 |
| 22 15 13 00-0145 | EA | 750 SCFM Air-Cooled Aftercooler | 5,856.66 | 259.38 |
| 22 15 13 00-0146 | EA | 900 SCFM Air-Cooled Aftercooler | 6,718.28 | 285.33 |
| 22 15 13 00-0147 | EA | 1,100 SCFM Air-Cooled Aftercooler | 8,635.99 | 311.27 |
| 22 15 13 00-0148 | EA | 1,460 SCFM Air-Cooled Aftercooler | 9,881.85 | 337.21 |
| 22 15 13 00-0149 | EA | 1,800 SCFM Air-Cooled Aftercooler | 10,201.05 | 363.15 |
| 22 15 13 00-0150 | EA | 2,500 SCFM Air-Cooled Aftercooler | 10,938.80 | 389.08 |
| **22 15 13 00-0151** | | **Compressed Air Coalescing Filters** *(22 15 13)* | | |
| **22 15 13 00-0152** | | **1.0 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0151)* | | |
| 22 15 13 00-0153 | EA | 10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating | 260.49 | 38.06 |
| 22 15 13 00-0154 | EA | 20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating | 312.11 | 38.06 |
| 22 15 13 00-0155 | EA | 50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating | 340.42 | 43.91 |
| 22 15 13 00-0156 | EA | 75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating | 392.01 | 50.35 |
| 22 15 13 00-0157 | EA | 100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating | 457.87 | 55.63 |
| 22 15 13 00-0158 | EA | 140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating | 518.15 | 67.33 |
| 22 15 13 00-0159 | EA | 175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating | 540.28 | 73.18 |
| 22 15 13 00-0160 | EA | 250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating | 677.15 | 87.83 |
| 22 15 13 00-0161 | EA | 280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating | 868.44 | 117.10 |
| 22 15 13 00-0162 | EA | 350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating | 993.59 | 131.74 |
| 22 15 13 00-0163 | EA | General Purpose Filter (Ingersoll Rand F144IG) | 592.04 | |
| **22 15 13 00-0164** | | **0.01 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0151)* | | |
| 22 15 13 00-0165 | EA | 16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating | 319.49 | 38.06 |
| 22 15 13 00-0166 | EA | 30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating | 345.93 | 43.91 |
| 22 15 13 00-0167 | EA | 60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating | 397.18 | 50.35 |
| 22 15 13 00-0168 | EA | 100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating | 468.19 | 49.77 |
| 22 15 13 00-0169 | EA | 140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating | 529.95 | 67.33 |
| 22 15 13 00-0170 | EA | 180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating | 601.77 | 73.18 |
| 22 15 13 00-0171 | EA | 250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating | 690.42 | 87.83 |
| 22 15 13 00-0172 | EA | 280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating | 890.57 | 117.10 |
| 22 15 13 00-0173 | EA | 350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating | 1,023.08 | 131.74 |
| 22 15 13 00-0174 | EA | High Efficiency Filter (Ingersoll Rand F144IH) | 636.33 | |
| **22 15 13 00-0175** | | **Compressed Air Storage Tanks** *(22 15 13)* | | |
| **22 15 13 00-0176** | | **Horizontal Compressed Air Storage Tanks** *(22 15 13 00-0175)* | | |
| 22 15 13 00-0177 | EA | 12 Gallon Horizontal Compressed Air Storage Tank, ASME | 424.13 | 83.01 |
| 22 15 13 00-0178 | EA | 15 Gallon Horizontal Compressed Air Storage Tank, ASME | 742.85 | 90.78 |
| 22 15 13 00-0179 | EA | 20 Gallon Horizontal Compressed Air Storage Tank, ASME | 787.27 | 95.45 |
| 22 15 13 00-0180 | EA | 30 Gallon Horizontal Compressed Air Storage Tank, ASME | 898.94 | 103.75 |
| 22 15 13 00-0181 | EA | 60 Gallon Horizontal Compressed Air Storage Tank, ASME | 1,172.22 | 140.07 |
| 22 15 13 00-0182 | EA | 80 Gallon Horizontal Compressed Air Storage Tank, ASME | 1,418.74 | 155.63 |
| 22 15 13 00-0183 | EA | 120 Gallon Horizontal Compressed Air Storage Tank, ASME | 2,142.06 | 181.57 |
| 22 15 13 00-0184 | EA | 200 Gallon Horizontal Compressed Air Storage Tank, ASME | 3,211.25 | 207.51 |
| 22 15 13 00-0185 | EA | 240 Gallon Horizontal Compressed Air Storage Tank, ASME | 3,583.10 | 220.48 |
| 22 15 13 00-0186 | EA | 325 Gallon Horizontal Compressed Air Storage Tank, ASME | 5,202.69 | 233.44 |
| 22 15 13 00-0187 | EA | 400 Gallon Horizontal Compressed Air Storage Tank, ASME | 6,864.00 | 272.36 |
| 22 15 13 00-0188 | EA | 660 Gallon Horizontal Compressed Air Storage Tank, ASME | 9,892.05 | 324.24 |
| **22 15 13 00-0189** | | **Vertical Compressed Air Storage Tanks** *(22 15 13 00-0175)* | | |
| 22 15 13 00-0190 | EA | 10 Gallon Vertical Compressed Air Storage Tank, ASME | 692.21 | 83.01 |
| 22 15 13 00-0191 | EA | 15 Gallon Vertical Compressed Air Storage Tank, ASME | 725.31 | 90.78 |
| 22 15 13 00-0192 | EA | 20 Gallon Vertical Compressed Air Storage Tank, ASME | 787.27 | 95.45 |
| 22 15 13 00-0193 | EA | 30 Gallon Vertical Compressed Air Storage Tank, ASME | 933.67 | 103.75 |
| 22 15 13 00-0194 | EA | 60 Gallon Vertical Compressed Air Storage Tank, ASME | 1,276.41 | 140.07 |
| 22 15 13 00-0195 | EA | 80 Gallon Vertical Compressed Air Storage Tank, ASME | 1,468.91 | 155.63 |
| 22 15 13 00-0196 | EA | 120 Gallon Vertical Compressed Air Storage Tank, ASME | 2,032.96 | 181.57 |
| 22 15 13 00-0197 | EA | 200 Gallon Vertical Compressed Air Storage Tank, ASME | 2,986.38 | 207.51 |
| 22 15 13 00-0198 | EA | 240 Gallon Vertical Compressed Air Storage Tank, ASME | 3,296.47 | 220.48 |
| 22 15 13 00-0199 | EA | 325 Gallon Vertical Compressed Air Storage Tank, ASME | 4,501.10 | 233.44 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 15 13 00-0200 | EA | 400 Gallon Vertical Compressed Air Storage Tank, ASME | 5,775.14 | 272.36 |
| 22 15 13 00-0201 | EA | 500 Gallon Vertical Compressed Air Storage Tank, ASME | 7,545.94 | 298.30 |
| 22 15 13 00-0202 | EA | 660 Gallon Vertical Compressed Air Storage Tank, ASME | 12,584.07 | 337.21 |

## 22 15 19 General Service Packaged Air Compressors and Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

### 22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

#### 22 15 19 13-0001 Single Stage Compressor *(22 15 19 13)*

Note: Includes receiver, reciprocating air-cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

| | | | | |
|---|---|---|---|---|
| 22 15 19 13-0002 | EA | 1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure | 3,176.80 | 368.12 |
| 22 15 19 13-0003 | EA | 3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure | 3,313.62 | 424.88 |
| 22 15 19 13-0004 | EA | 1 HP 1-Stage Air Compressor, 2.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure | 3,779.04 | 501.77 |
| 22 15 19 13-0005 | EA | 2 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure | 4,307.80 | 553.64 |
| 22 15 19 13-0006 | EA | 3 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure | 5,282.07 | 584.76 |
| 22 15 19 13-0007 | EA | 3 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure | 5,646.33 | 605.52 |
| 22 15 19 13-0008 | EA | 5 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure | 6,338.89 | 692.04 |
| 22 15 19 13-0009 | EA | 5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure | 6,800.29 | 733.55 |
| 22 15 19 13-0010 | EA | 7.5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure | 8,165.96 | 830.46 |

#### 22 15 19 13-0011 Two Stage Compressor *(22 15 19 13)*

Note: With receiver, reciprocating air-cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

| | | | | |
|---|---|---|---|---|
| 22 15 19 13-0012 | EA | 1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure | 6,082.00 | 647.02 |
| 22 15 19 13-0013 | EA | 2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure | 6,520.12 | 761.25 |
| 22 15 19 13-0014 | EA | 3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure | 6,810.47 | 830.46 |
| 22 15 19 13-0015 | EA | 5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure | 7,754.43 | 1,107.27 |
| 22 15 19 13-0016 | EA | 5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure | 8,371.87 | 1,107.27 |
| 22 15 19 13-0017 | EA | 7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure | 8,961.69 | 1,384.10 |
| 22 15 19 13-0018 | EA | 7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure | 9,521.69 | 1,384.10 |
| 22 15 19 13-0019 | EA | 10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure | 12,214.41 | 1,711.96 |
| 22 15 19 13-0020 | EA | 10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure | 13,096.50 | 1,763.84 |
| 22 15 19 13-0021 | EA | 15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure | 14,149.88 | 2,061.41 |
| 22 15 19 13-0022 | EA | 20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure | 21,438.62 | 2,333.46 |
| 22 15 19 13-0023 | EA | 25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure | 23,011.35 | 2,636.73 |
| 22 15 19 13-0024 | EA | 30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure | 25,652.58 | 2,914.17 |
| 22 15 19 13-0025 | EA | 30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure | 27,903.75 | 3,193.80 |

### 22 15 19 19 General Service Packaged Rotary-Screw Air Compressors *(22 15 19)*

#### 22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)*

Note: Oil flooded.

| | | | | |
|---|---|---|---|---|
| 22 15 19 19-0002 | EA | 3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated | 10,416.93 | 934.47 |
| 22 15 19 19-0003 | EA | 5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated | 11,588.94 | 1,245.96 |
| 22 15 19 19-0004 | EA | 7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated | 14,865.96 | 1,562.14 |
| 22 15 19 19-0005 | EA | 10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated | 17,156.68 | 1,990.74 |
| 22 15 19 19-0006 | EA | 15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated | 19,626.71 | 2,342.04 |
| 22 15 19 19-0007 | EA | 20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated | 23,848.56 | 2,634.80 |
| 22 15 19 19-0008 | EA | 25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated | 26,126.20 | 2,927.56 |
| 22 15 19 19-0009 | EA | 30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated | 31,473.81 | 3,278.86 |
| 22 15 19 19-0010 | EA | 40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated | 34,613.60 | 3,513.06 |
| 22 15 19 19-0011 | EA | 50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated | 38,883.25 | 3,785.92 |
| 22 15 19 19-0012 | EA | 60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated | 50,714.33 | 4,098.58 |
| 22 15 19 19-0013 | EA | 75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated | 56,309.51 | 4,332.78 |
| 22 15 19 19-0014 | EA | 100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated | 90,790.90 | 4,684.09 |
| 22 15 19 19-0015 | EA | 125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated | 113,414.41 | 5,064.66 |
| 22 15 19 19-0016 | EA | 150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated | 131,825.34 | 5,451.10 |
| 22 15 19 19-0017 | EA | 220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated | 171,758.28 | 5,855.11 |
| 22 15 19 19-0018 | EA | 250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated | 195,219.59 | 6,229.84 |

#### 22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)*

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

| | | | | |
|---|---|---|---|---|
| 22 15 19 19-0020 | EA | 5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated | 12,987.51 | 1,245.96 |
| 22 15 19 19-0021 | EA | 5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated | 13,814.58 | 1,245.96 |
| 22 15 19 19-0022 | EA | 7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated | 15,523.60 | 1,562.14 |
| 22 15 19 19-0023 | EA | 7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated | 16,428.22 | 1,562.14 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 15 19 19-0024 | EA | 10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated | 17,518.52 | 1,990.74 |
| 22 15 19 19-0025 | EA | 10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated | 18,474.83 | 1,990.74 |
| 22 15 19 19-0026 | EA | 15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated | 19,925.38 | 2,342.04 |
| 22 15 19 19-0027 | EA | 15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated | 20,959.22 | 2,342.04 |
| 22 15 19 19-0028 | EA | 20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated | 34,738.43 | 2,634.80 |
| 22 15 19 19-0029 | EA | 25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated | 37,403.75 | 2,927.56 |
| 22 15 19 19-0030 | EA | 30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated | 39,810.65 | 3,278.86 |
| 22 15 19 19-0031 | EA | 120 Gallon Tank Mounted Rotary Screw Compressor With Warranty (Ingersoll Rand UP6-10-125 230/3/60)<br>Note: Includes, 230V open drip proof motor, 120 gallon tank, pre-filter, 230 volt starter, hourmeter, electronic drain valve, ultra coolant | 15,707.96 | |
| 22 15 19 19-0032 | | Air Compressor Controller *(22 15 19 19)* | | |
| 22 15 19 19-0033 | EA | System Controller (Ingersoll Rand X41) | 5,503.26 | |
| 22 15 19 19-0034 | EA | Commission X4I System Controller And Compressor Start up | 3,727.58 | |

# 22 30 Plumbing Equipment *(22)*

## 22 31 Domestic Water Softeners *(22 30)*

### 22 31 16 Commercial Domestic Water Softeners *(22 31)*

| | | | | |
|---|---|---|---|---|
| 22 31 16 00-0001 | | Commercial Water Softeners (Watts Pure Water) *(22 31 16)* | | |
| 22 31 16 00-0002 | | Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)* | | |
| 22 31 16 00-0003 | | 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*<br>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve. | | |
| 22 31 16 00-0004 | EA | 30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11) | 5,268.71 | 296.43 |
| 22 31 16 00-0005 | EA | 45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11) | 5,507.16 | 309.89 |
| 22 31 16 00-0006 | EA | 60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11) | 5,950.29 | 323.37 |
| 22 31 16 00-0007 | EA | 90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11) | 6,868.75 | 336.85 |
| 22 31 16 00-0008 | EA | 120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11) | 7,325.53 | 350.32 |
| 22 31 16 00-0009 | | 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*<br>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve. | | |
| 22 31 16 00-0010 | EA | 60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11) | 7,958.45 | 323.37 |
| 22 31 16 00-0011 | EA | 90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11) | 8,372.03 | 336.85 |
| 22 31 16 00-0012 | EA | 120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11) | 8,831.08 | 350.32 |
| 22 31 16 00-0013 | EA | 150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11) | 10,522.78 | 363.79 |
| 22 31 16 00-0014 | EA | 210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11) | 11,711.87 | 377.27 |
| 22 31 16 00-0015 | EA | 300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11) | 14,297.35 | 390.74 |
| 22 31 16 00-0016 | | 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*<br>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve. | | |
| 22 31 16 00-0017 | EA | 90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11) | 12,170.02 | 336.85 |
| 22 31 16 00-0018 | EA | 120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11) | 12,613.16 | 350.32 |
| 22 31 16 00-0019 | EA | 150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11) | 14,309.41 | 363.79 |
| 22 31 16 00-0020 | EA | 210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11) | 15,498.49 | 377.27 |
| 22 31 16 00-0021 | EA | 300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11) | 18,224.98 | 390.74 |
| 22 31 16 00-0022 | EA | 450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11) | 24,099.02 | 404.22 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 31 16 00-0023 | EA | 600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11) | 28,221.90 | 417.68 |
| 22 31 16 00-0024 | | 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve. | | |
| 22 31 16 00-0025 | EA | 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11) | 29,650.81 | 390.74 |
| 22 31 16 00-0026 | EA | 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11) | 34,280.84 | 404.22 |
| 22 31 16 00-0027 | EA | 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11) | 38,349.13 | 417.68 |
| 22 31 16 00-0028 | EA | 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11) | 48,335.01 | 431.16 |
| 22 31 16 00-0029 | EA | 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11) | 53,538.17 | 444.64 |
| 22 31 16 00-0030 | | Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)* | | |
| 22 31 16 00-0031 | | 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves. | | |
| 22 31 16 00-0032 | EA | 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21) | 20,000.53 | 505.27 |
| 22 31 16 00-0033 | EA | 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21) | 20,889.24 | 525.48 |
| 22 31 16 00-0034 | EA | 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21) | 23,815.69 | 545.69 |
| 22 31 16 00-0035 | EA | 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21) | 26,055.32 | 565.90 |
| 22 31 16 00-0036 | EA | 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21) | 31,863.23 | 586.11 |
| 22 31 16 00-0037 | EA | 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21) | 42,306.07 | 606.32 |
| 22 31 16 00-0038 | EA | 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21) | 49,842.42 | 626.54 |
| 22 31 16 00-0039 | | 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves. | | |
| 22 31 16 00-0040 | EA | 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21) | 54,523.86 | 586.11 |
| 22 31 16 00-0041 | EA | 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21) | 62,674.26 | 606.32 |
| 22 31 16 00-0042 | EA | 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21) | 70,463.05 | 626.54 |
| 22 31 16 00-0043 | EA | 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21) | 89,741.35 | 646.74 |
| 22 31 16 00-0044 | EA | 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21) | 100,227.40 | 666.96 |
| 22 31 16 00-0045 | | Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)* | | |
| 22 31 16 00-0046 | | 1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve. | | |
| 22 31 16 00-0047 | EA | 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21) | 6,897.85 | 444.64 |
| 22 31 16 00-0048 | EA | 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21) | 7,361.27 | 464.85 |
| 22 31 16 00-0049 | EA | 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21) | 8,040.75 | 485.06 |
| 22 31 16 00-0050 | EA | 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21) | 9,691.35 | 505.27 |
| 22 31 16 00-0051 | EA | 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21) | 10,736.99 | 525.48 |
| 22 31 16 00-0052 | | 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve. | | |
| 22 31 16 00-0053 | EA | 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21) | 13,710.46 | 485.06 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 31 16 00-0054 | EA | 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21) | 14,460.45 | 505.27 |
| 22 31 16 00-0055 | EA | 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21) | 15,574.32 | 525.48 |
| 22 31 16 00-0056 | EA | 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21) | 17,857.15 | 545.69 |
| 22 31 16 00-0057 | EA | 210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21) | 20,174.11 | 565.90 |
| 22 31 16 00-0058 | EA | 300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21) | 25,324.77 | 586.11 |

## 22 32 Domestic Water Filtration Equipment *(22 30)*

### 22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001 Commercial Water Filters Housings *(22 32 16)*

22 32 16 00-0002 Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*

22 32 16 00-0003 Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 32 16 00-0004 | EA | 25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1) | 2,711.70 | 190.29 |
| 22 32 16 00-0005 | EA | 30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1) | 2,761.43 | 204.93 |
| 22 32 16 00-0006 | EA | 60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2) | 2,938.54 | 219.56 |
| 22 32 16 00-0007 | EA | 90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3) | 3,256.63 | 234.21 |
| 22 32 16 00-0008 | EA | 120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4) | 3,351.86 | 248.84 |
| 22 32 16 00-0009 | EA | 150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4) | 4,077.06 | 263.48 |
| 22 32 16 00-0010 | EA | 250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3) | 11,625.00 | 278.12 |
| 22 32 16 00-0011 | EA | 300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4) | 13,535.09 | 292.76 |
| 22 32 16 00-0012 | EA | 500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3) | 17,207.71 | 307.39 |
| 22 32 16 00-0013 | EA | 600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4) | 19,095.05 | 322.03 |

22 32 16 00-0014 Commercial Water Filter Cartridges *(22 32 16 00-0002)*

22 32 16 00-0015 (Depth) Water Filter Cartridges *(22 32 16 00-0014)*

| | | | | |
|---|---|---|---|---|
| 22 32 16 00-0016 | EA | 50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50) | 13.21 | 2.35 |
| 22 32 16 00-0017 | EA | 20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20) | 13.21 | 2.35 |
| 22 32 16 00-0018 | EA | 10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10) | 13.21 | 2.35 |
| 22 32 16 00-0019 | EA | 5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5) | 10.93 | 2.35 |
| 22 32 16 00-0020 | EA | 1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1) | 13.78 | 2.35 |
| 22 32 16 00-0021 | EA | 50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50) | 13.78 | 2.35 |
| 22 32 16 00-0022 | EA | 20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20) | 14.91 | 2.35 |
| 22 32 16 00-0023 | EA | 5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5) | 18.89 | 2.35 |
| 22 32 16 00-0024 | EA | 1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1) | 14.91 | 2.35 |
| 22 32 16 00-0025 | EA | 50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50) | 17.76 | 2.35 |
| 22 32 16 00-0026 | EA | 20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20) | 17.76 | 2.35 |
| 22 32 16 00-0027 | EA | 5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5) | 17.76 | 2.35 |
| 22 32 16 00-0028 | EA | 1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1) | 19.46 | 2.35 |
| 22 32 16 00-0029 | EA | 50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50) | 25.72 | 2.35 |
| 22 32 16 00-0030 | EA | 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20) | 23.44 | 2.35 |
| 22 32 16 00-0031 | EA | 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5) | 23.44 | 2.35 |
| 22 32 16 00-0032 | EA | 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1) | 25.72 | 2.35 |

22 32 16 00-0033 Pleated Water Filter Cartridges *(22 32 16 00-0014)*

| | | | | |
|---|---|---|---|---|
| 22 32 16 00-0034 | EA | 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50) | 24.01 | 2.35 |
| 22 32 16 00-0035 | EA | 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20) | 24.01 | 2.35 |
| 22 32 16 00-0036 | EA | 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5) | 24.58 | 2.35 |
| 22 32 16 00-0037 | EA | 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1) | 26.29 | 2.35 |
| 22 32 16 00-0038 | EA | 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB) | 39.93 | 2.35 |
| 22 32 16 00-0039 | EA | 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50) | 38.23 | 2.35 |
| 22 32 16 00-0040 | EA | 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20) | 38.23 | 2.35 |
| 22 32 16 00-0041 | EA | 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5) | 38.23 | 2.35 |
| 22 32 16 00-0042 | EA | 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1) | 50.73 | 2.35 |
| 22 32 16 00-0043 | EA | 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB) | 72.34 | 2.35 |
| 22 32 16 00-0044 | EA | 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50) | 60.40 | 2.35 |
| 22 32 16 00-0045 | EA | 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20) | 84.28 | 2.35 |
| 22 32 16 00-0046 | EA | 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5) | 87.69 | 2.35 |
| 22 32 16 00-0047 | EA | 1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1) | 99.06 | 2.35 |

22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0001)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 32 16 00-0049 | | Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0048)* | | |
| 22 32 16 00-0050 | EA | 150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG) | 2,126.36 | 175.66 |
| 22 32 16 00-0051 | | Commercial Water Filter Cartridges *(22 32 16 00-0048)* | | |
| 22 32 16 00-0052 | | Carbon Water Filter Cartridges *(22 32 16 00-0051)* | | |
| 22 32 16 00-0053 | EA | Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5) | 713.11 | 2.35 |
| 22 32 16 00-0054 | | (Depth) Water Filter Cartridges *(22 32 16 00-0051)* | | |
| 22 32 16 00-0055 | EA | 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50) | 147.39 | 2.35 |
| 22 32 16 00-0056 | EA | 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20) | 146.25 | 2.35 |
| 22 32 16 00-0057 | EA | 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5) | 146.25 | 2.35 |
| 22 32 16 00-0058 | EA | 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1) | 167.86 | 2.35 |
| 22 32 16 00-0059 | | Pleated Water Filter Cartridges *(22 32 16 00-0051)* | | |
| 22 32 16 00-0060 | EA | 150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150) | 391.30 | 2.35 |
| 22 32 16 00-0061 | EA | 50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50) | 367.42 | 2.35 |
| 22 32 16 00-0062 | EA | 20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20) | 400.40 | 2.35 |
| 22 32 16 00-0063 | EA | 5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5) | 419.73 | 2.35 |
| 22 32 16 00-0064 | EA | 1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1) | 447.02 | 2.35 |
| 22 32 16 00-0065 | EA | 1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB) | 484.55 | 2.35 |

# 22 33 Electric Domestic Water Heaters *(22 30)*

## 22 33 13 Instantaneous Electric Domestic Water Heaters *(22 33)*

### 22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

| | | | | |
|---|---|---|---|---|
| 22 33 13 13-0001 | | Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)* | | |
| 22 33 13 13-0002 | EA | 2.4 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax SP2412) | 495.19 | 58.53 |
| 22 33 13 13-0003 | EA | 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95) | 534.62 | 58.53 |
| 22 33 13 13-0004 | EA | 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P) | 627.87 | 58.53 |

### 22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

| | | | | |
|---|---|---|---|---|
| 22 33 13 16-0001 | | Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)*<br>Note: Temperature rise decreases with increased flow rate. | | |
| 22 33 13 16-0002 | EA | 3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T) | 708.91 | 87.79 |
| 22 33 13 16-0003 | EA | 12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12) | 787.90 | 117.05 |
| 22 33 13 16-0004 | EA | 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115) | 1,332.93 | 204.85 |
| 22 33 13 16-0005 | EA | 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125) | 2,037.70 | 234.11 |
| 22 33 13 16-0006 | EA | 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus) | 1,442.81 | 117.05 |
| 22 33 13 16-0007 | EA | 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus) | 1,969.76 | 175.59 |
| 22 33 13 16-0008 | EA | 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus) | 2,165.99 | 234.11 |
| 22 33 13 16-0009 | EA | 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus) | 2,249.83 | 234.11 |
| 22 33 13 16-0010 | EA | 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus) | 2,329.01 | 234.11 |
| 22 33 13 16-0011 | EA | 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus) | 2,445.46 | 234.11 |

## 22 33 30 Residential, Electric Domestic Water Heaters *(22 33)*

### 22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters *(22 33 30)*

| | | | | |
|---|---|---|---|---|
| 22 33 30 13-0001 | | Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)*<br>Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections. | | |
| 22 33 30 13-0002 | EA | 2 Gallon, Small-Capacity, Electric Domestic Water Heater | 983.43 | 184.36 |
| 22 33 30 13-0003 | EA | 10 Gallon, Small-Capacity, Electric Domestic Water Heater | 1,211.77 | 196.07 |
| 22 33 30 13-0004 | EA | 20 Gallon, Small-Capacity, Electric Domestic Water Heater | 1,434.28 | 204.85 |

### 22 33 30 16 Residential, Storage Electric Domestic Water Heaters *(22 33 30)*


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 33 30 16-0001** | | **Electric Domestic Water Heaters (A.O. Smith ProMax)** *(22 33 30 16)*<br>Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections. | | |
| 22 33 30 16-0002 | EA | 30 Gallon, Electric Domestic Water Heater | 1,534.44 | 204.85 |
| 22 33 30 16-0003 | EA | 40 Gallon, Electric Domestic Water Heater | 1,440.86 | 210.70 |
| 22 33 30 16-0004 | EA | 50 Gallon, Electric Domestic Water Heater | 1,416.70 | 216.56 |
| 22 33 30 16-0005 | EA | 55 Gallon, Electric Domestic Water Heater | 1,584.59 | 219.48 |
| 22 33 30 16-0006 | EA | 66 Gallon, Electric Domestic Water Heater | 2,315.52 | 225.33 |
| 22 33 30 16-0007 | EA | 80 Gallon, Electric Domestic Water Heater | 2,358.69 | 234.11 |
| 22 33 30 16-0008 | EA | 120 Gallon, Electric Domestic Water Heater | 3,146.64 | 248.74 |
| **22 33 30 16-0009** | | **Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax)** *(22 33 30 16)*<br>Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections. | | |
| 22 33 30 16-0010 | EA | 30 Gallon, Low-Boy, Electric Domestic Water Heater | 1,649.47 | 204.85 |
| 22 33 30 16-0011 | EA | 40 Gallon, Low-Boy, Electric Domestic Water Heater | 1,568.95 | 210.70 |
| 22 33 30 16-0012 | EA | 50 Gallon, Low-Boy, Electric Domestic Water Heater | 1,662.63 | 216.56 |
| **22 33 30 16-0013** | | **High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist)** *(22 33 30 16)*<br>Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections. | | |
| 22 33 30 16-0014 | EA | 40 Gallon, High Efficiency, Electric Domestic Water Heater | 1,703.32 | 210.70 |
| 22 33 30 16-0015 | EA | 50 Gallon, High Efficiency, Electric Domestic Water Heater | 1,862.45 | 216.56 |
| 22 33 30 16-0016 | EA | 66 Gallon, High Efficiency, Electric Domestic Water Heater | 2,297.45 | 225.33 |
| 22 33 30 16-0017 | EA | 80 Gallon, High Efficiency, Electric Domestic Water Heater | 2,499.46 | 234.11 |
| **22 33 30 16-0018** | | **Water Heater Accessories** *(22 33 30 16)* | | |
| 22 33 30 16-0019 | EA | 2 Gallon, Expansion Pressure Tank For Water Heaters | 131.13 | 11.71 |
| 22 33 30 16-0020 | EA | 4.4 Gallon, Expansion Pressure Tank For Water Heaters | 155.16 | 11.71 |
| 22 33 30 16-0021 | EA | 7.6 Gallon, Expansion Pressure Tank For Water Heaters | 303.64 | 11.71 |
| 22 33 30 16-0022 | EA | 14 Gallon, Expansion Pressure Tank For Water Heaters | 408.14 | 11.71 |
| 22 33 30 16-0023 | EA | 20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan | 77.12 | 8.78 |
| 22 33 30 16-0024 | EA | 22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan | 84.29 | 8.78 |
| 22 33 30 16-0025 | EA | 24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan | 89.08 | 8.78 |
| 22 33 30 16-0026 | EA | 26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan | 105.82 | 8.78 |
| 22 33 30 16-0027 | EA | 22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan | 41.12 | 8.78 |
| 22 33 30 16-0028 | EA | 24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan | 44.95 | 8.78 |
| 22 33 30 16-0029 | EA | 26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan | 50.33 | 8.78 |
| 22 33 30 16-0030 | EA | 28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan | 57.25 | 8.78 |
| **22 33 30 23** | | **Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters** *(22 33 30)* | | |
| **22 33 30 23-0001** | | **Solar Electric Domestic Water Heaters (A.O. Smith CIRREX)** *(22 33 30 23)*<br>Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections. | | |
| 22 33 30 23-0002 | EA | 80 Gallon, Solar Electric Domestic Water Heater | 3,896.36 | 234.11 |
| 22 33 30 23-0003 | EA | 120 Gallon, Solar Electric Domestic Water Heater | 4,674.61 | 248.74 |
| **22 33 33** | | **Light-Commercial Electric Domestic Water Heaters** *(22 33)* | | |
| **22 33 33 00-0001** | | **Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN)** *(22 33 33)*<br>Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve. | | |
| 22 33 33 00-0002 | EA | Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S) | 2,707.27 | 204.85 |
| 22 33 33 00-0003 | EA | Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S) | 2,940.76 | 204.85 |
| 22 33 33 00-0004 | EA | Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S) | 3,173.47 | 234.11 |
| 22 33 33 00-0005 | EA | Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D) | 5,841.85 | 234.11 |
| 22 33 33 00-0006 | EA | Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D) | 6,700.13 | 292.64 |
| 22 33 33 00-0007 | EA | Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D) | 7,373.09 | 351.17 |
| 22 33 33 00-0008 | EA | Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D) | 8,606.31 | 526.75 |
| **22 33 33 00-0009** | | **Heavy-Duty Electric Commercial Water Heaters (A.O. Smith DSE)** *(22 33 33)*<br>Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve. | | |
| 22 33 33 00-0010 | EA | 3 KW, 5 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-5-3) | 10,971.83 | 204.85 |
| 22 33 33 00-0011 | EA | 3 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-3) | 11,416.56 | 204.85 |
| 22 33 33 00-0012 | EA | 6 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-6) | 11,898.35 | 204.85 |
| 22 33 33 00-0013 | EA | 3 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-3) | 11,956.88 | 234.11 |
| 22 33 33 00-0014 | EA | 6 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-6) | 12,512.79 | 234.11 |
| 22 33 33 00-0015 | EA | 9 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-9) | 13,402.25 | 234.11 |
| 22 33 33 00-0016 | EA | 12 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-12) | 13,995.23 | 234.11 |
| 22 33 33 00-0017 | EA | 15 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-15) | 14,477.02 | 234.11 |
| 22 33 33 00-0018 | EA | 18 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-18) | 14,995.87 | 234.11 |
| 22 33 33 00-0019 | EA | 6 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-6) | 13,068.71 | 234.11 |
| 22 33 33 00-0020 | EA | 9 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-9) | 13,587.56 | 234.11 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 33 33 00-0021 | EA | 12 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-12) | 14,180.53 | 234.11 |
| 22 33 33 00-0022 | EA | 15 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-15) | 14,662.32 | 234.11 |
| 22 33 33 00-0023 | EA | 18 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-18) | 15,181.17 | 234.11 |
| 22 33 33 00-0024 | EA | 24 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-24) | 18,998.43 | 234.11 |
| 22 33 33 00-0025 | EA | 9 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-9) | 14,186.41 | 292.64 |
| 22 33 33 00-0026 | EA | 12 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-12) | 14,668.20 | 292.64 |
| 22 33 33 00-0027 | EA | 15 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-15) | 15,261.17 | 292.64 |
| 22 33 33 00-0028 | EA | 18 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-18) | 15,780.02 | 292.64 |
| 22 33 33 00-0029 | EA | 24 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-24) | 19,634.35 | 292.64 |
| 22 33 33 00-0030 | EA | 30 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-30) | 21,413.26 | 292.64 |
| 22 33 33 00-0031 | EA | 36 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-36) | 23,155.12 | 292.64 |
| 22 33 33 00-0032 | EA | 9 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-9) | 16,378.86 | 351.17 |
| 22 33 33 00-0033 | EA | 12 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-12) | 16,860.65 | 351.17 |
| 22 33 33 00-0034 | EA | 15 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-15) | 17,342.44 | 351.17 |
| 22 33 33 00-0035 | EA | 18 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-18) | 17,861.30 | 351.17 |
| 22 33 33 00-0036 | EA | 24 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-24) | 21,826.80 | 351.17 |
| 22 33 33 00-0037 | EA | 30 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-30) | 23,605.72 | 351.17 |
| 22 33 33 00-0038 | EA | 36 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-36) | 25,347.58 | 351.17 |
| 22 33 33 00-0039 | EA | 45 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-45) | 28,497.74 | 351.17 |
| 22 33 33 00-0040 | EA | 54 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-54) | 29,906.06 | 351.17 |
| 22 33 33 00-0041 | EA | 60 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-60) | 34,798.08 | 351.17 |
| 22 33 33 00-0042 | EA | 75 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-75) | 41,098.42 | 351.17 |
| 22 33 33 00-0043 | EA | 90 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-90) | 51,697.81 | 351.17 |
| 22 33 33 00-0044 | EA | 9 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-9) | 18,317.78 | 468.22 |
| 22 33 33 00-0045 | EA | 12 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-12) | 18,873.69 | 468.22 |
| 22 33 33 00-0046 | EA | 15 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-15) | 19,392.54 | 468.22 |
| 22 33 33 00-0047 | EA | 18 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-18) | 19,837.27 | 468.22 |
| 22 33 33 00-0048 | EA | 24 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-24) | 23,765.72 | 468.22 |
| 22 33 33 00-0049 | EA | 30 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-30) | 25,544.64 | 468.22 |
| 22 33 33 00-0050 | EA | 36 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-36) | 27,249.43 | 468.22 |
| 22 33 33 00-0051 | EA | 45 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-45) | 30,473.72 | 468.22 |
| 22 33 33 00-0052 | EA | 54 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-54) | 31,844.97 | 468.22 |
| 22 33 33 00-0053 | EA | 60 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-60) | 36,774.06 | 468.22 |
| 22 33 33 00-0054 | EA | 75 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-75) | 43,111.46 | 468.22 |
| 22 33 33 00-0055 | EA | 90 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-90) | 53,673.78 | 468.22 |
| 22 33 33 00-0056 | EA | 12 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-12) | 20,473.17 | 526.75 |
| 22 33 33 00-0057 | EA | 15 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-15) | 20,992.03 | 526.75 |
| 22 33 33 00-0058 | EA | 18 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-18) | 21,436.75 | 526.75 |
| 22 33 33 00-0059 | EA | 24 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-24) | 25,402.26 | 526.75 |
| 22 33 33 00-0060 | EA | 30 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-30) | 26,995.87 | 526.75 |
| 22 33 33 00-0061 | EA | 36 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-36) | 28,848.91 | 526.75 |
| 22 33 33 00-0062 | EA | 45 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-45) | 32,073.20 | 526.75 |
| 22 33 33 00-0063 | EA | 54 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-54) | 33,481.51 | 526.75 |
| 22 33 33 00-0064 | EA | 60 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-60) | 38,114.11 | 526.75 |
| 22 33 33 00-0065 | EA | 75 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-75) | 44,710.94 | 526.75 |
| 22 33 33 00-0066 | EA | 90 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-90) | 55,273.27 | 526.75 |
| 22 33 33 00-0067 | EA | 15 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-15) | 23,036.24 | 585.28 |
| 22 33 33 00-0068 | EA | 18 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-18) | 23,629.21 | 585.28 |
| 22 33 33 00-0069 | EA | 24 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-24) | 27,483.53 | 585.28 |
| 22 33 33 00-0070 | EA | 30 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-30) | 29,262.45 | 585.28 |
| 22 33 33 00-0071 | EA | 36 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-36) | 31,004.31 | 585.28 |
| 22 33 33 00-0072 | EA | 45 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-45) | 34,154.48 | 585.28 |
| 22 33 33 00-0073 | EA | 54 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-54) | 35,599.85 | 585.28 |
| 22 33 33 00-0074 | EA | 60 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-60) | 40,454.81 | 585.28 |
| 22 33 33 00-0075 | EA | 75 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-75) | 46,755.15 | 585.28 |
| 22 33 33 00-0076 | EA | 90 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-90) | 57,391.60 | 585.28 |
| 22 33 33 00-0077 | EA | 15 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-15) | 24,604.55 | 702.33 |
| 22 33 33 00-0078 | EA | 18 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-18) | 25,123.40 | 702.33 |
| 22 33 33 00-0079 | EA | 24 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-24) | 28,977.72 | 702.33 |
| 22 33 33 00-0080 | EA | 30 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-30) | 30,682.52 | 702.33 |
| 22 33 33 00-0081 | EA | 36 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-36) | 32,498.50 | 702.33 |
| 22 33 33 00-0082 | EA | 45 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-45) | 35,648.66 | 702.33 |
| 22 33 33 00-0083 | EA | 54 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-54) | 36,982.85 | 702.33 |
| 22 33 33 00-0084 | EA | 60 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-60) | 41,986.06 | 702.33 |
| 22 33 33 00-0085 | EA | 75 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-75) | 48,323.46 | 702.33 |
| 22 33 33 00-0086 | EA | 90 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-90) | 58,848.72 | 702.33 |

## 22 33 33 00-0087 Water Heater Accessories *(22 33 33)*

| | | | |
|---|---|---|---|
| 22 33 33 00-0088 | EA | Up To 80 Gallon Water Heater Strap<br>Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts | 50.11 |
| 22 33 33 00-0089 | EA | >80 To 120 Gallon Water Heater Strap<br>Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts | 73.59 |

## 22 33 33 00-0090 Removal And Reinstallation Of Water Heater *(22 33 33)*

Note: Includes storage and cleaning.

| | | | |
|---|---|---|---|
| 22 33 33 00-0091 | EA | Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon | 390.18 |
| 22 33 33 00-0092 | EA | Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon | 1,170.55 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 33 36** | | **Commercial Domestic Water Electric Booster Heaters** *(22 33)* | | |
| **22 33 36 16** | | **Commercial Storage Electric Domestic Water Heaters** *(22 33 36)* | | |
| 22 33 36 16-0001 | | Commercial Storage Electric Domestic Water Heaters *(22 33 36 16)* | | |
| 22 33 36 16-0002 | EA | 150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater | 41,271.67 | 781.31 |
| 22 33 36 16-0003 | EA | 150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater | 43,308.83 | 781.31 |
| 22 33 36 16-0004 | EA | 150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater | 45,346.00 | 781.31 |
| 22 33 36 16-0005 | EA | 150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater | 47,383.16 | 781.31 |
| 22 33 36 16-0006 | EA | 150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater | 51,457.49 | 781.31 |
| 22 33 36 16-0007 | EA | 150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater | 55,531.82 | 781.31 |
| 22 33 36 16-0008 | EA | 150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater | 58,791.29 | 781.31 |
| 22 33 36 16-0009 | EA | 200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater | 43,958.38 | 918.04 |
| 22 33 36 16-0010 | EA | 200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater | 46,011.22 | 918.04 |
| 22 33 36 16-0011 | EA | 200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater | 48,064.06 | 918.04 |
| 22 33 36 16-0012 | EA | 200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater | 50,116.90 | 918.04 |
| 22 33 36 16-0013 | EA | 200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater | 54,222.56 | 918.04 |
| 22 33 36 16-0014 | EA | 200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater | 58,328.23 | 918.04 |
| 22 33 36 16-0015 | EA | 200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater | 61,612.77 | 918.04 |
| 22 33 36 16-0016 | EA | 200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater | 66,539.57 | 918.04 |
| 22 33 36 16-0017 | EA | 250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater | 45,638.32 | 1,045.01 |
| 22 33 36 16-0018 | EA | 250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater | 47,661.55 | 1,045.01 |
| 22 33 36 16-0019 | EA | 250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater | 49,684.79 | 1,045.01 |
| 22 33 36 16-0020 | EA | 250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater | 51,708.02 | 1,045.01 |
| 22 33 36 16-0021 | EA | 250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater | 55,754.50 | 1,045.01 |
| 22 33 36 16-0022 | EA | 250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater | 59,800.97 | 1,045.01 |
| 22 33 36 16-0023 | EA | 250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater | 63,847.44 | 1,045.01 |
| 22 33 36 16-0024 | EA | 250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater | 68,703.21 | 1,045.01 |
| 22 33 36 16-0025 | EA | 250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater | 73,558.97 | 1,045.01 |
| 22 33 36 16-0026 | EA | 300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater | 50,338.59 | 1,201.26 |
| 22 33 36 16-0027 | EA | 300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater | 52,374.78 | 1,201.26 |
| 22 33 36 16-0028 | EA | 300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater | 54,410.96 | 1,201.26 |
| 22 33 36 16-0029 | EA | 300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater | 58,483.33 | 1,201.26 |
| 22 33 36 16-0030 | EA | 300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater | 62,555.70 | 1,201.26 |
| 22 33 36 16-0031 | EA | 300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater | 65,813.60 | 1,201.26 |
| 22 33 36 16-0032 | EA | 300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater | 72,057.90 | 1,201.26 |
| 22 33 36 16-0033 | EA | 300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater | 76,944.75 | 1,201.26 |
| 22 33 36 16-0034 | EA | 300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater | 79,388.17 | 1,201.26 |
| 22 33 36 16-0035 | EA | 300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater | 81,831.59 | 1,201.26 |
| 22 33 36 16-0036 | EA | 300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater | 84,275.02 | 1,201.26 |
| 22 33 36 16-0037 | EA | 350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater | 55,869.06 | 1,416.12 |
| 22 33 36 16-0038 | EA | 350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater | 57,777.18 | 1,416.12 |
| 22 33 36 16-0039 | EA | 350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater | 59,685.29 | 1,416.12 |
| 22 33 36 16-0040 | EA | 350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater | 63,501.53 | 1,416.12 |
| 22 33 36 16-0041 | EA | 350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater | 67,317.77 | 1,416.12 |
| 22 33 36 16-0042 | EA | 350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater | 70,370.76 | 1,416.12 |
| 22 33 36 16-0043 | EA | 350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater | 74,950.24 | 1,416.12 |
| 22 33 36 16-0044 | EA | 350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater | 79,529.73 | 1,416.12 |
| 22 33 36 16-0045 | EA | 350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater | 81,819.47 | 1,416.12 |
| 22 33 36 16-0046 | EA | 350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater | 84,109.21 | 1,416.12 |
| 22 33 36 16-0047 | EA | 350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater | 86,398.95 | 1,416.12 |
| 22 33 36 16-0048 | EA | 350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater | 89,833.57 | 1,416.12 |
| 22 33 36 16-0049 | EA | 400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater | 61,262.80 | 1,562.62 |
| 22 33 36 16-0050 | EA | 400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater | 63,620.32 | 1,562.62 |
| 22 33 36 16-0051 | EA | 400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater | 65,977.85 | 1,562.62 |
| 22 33 36 16-0052 | EA | 400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater | 70,692.89 | 1,562.62 |
| 22 33 36 16-0053 | EA | 400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater | 75,407.95 | 1,562.62 |
| 22 33 36 16-0054 | EA | 400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater | 79,179.99 | 1,562.62 |
| 22 33 36 16-0055 | EA | 400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater | 84,838.06 | 1,562.62 |
| 22 33 36 16-0056 | EA | 400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater | 90,496.11 | 1,562.62 |
| 22 33 36 16-0057 | EA | 400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater | 93,325.14 | 1,562.62 |
| 22 33 36 16-0058 | EA | 400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater | 96,154.17 | 1,562.62 |
| 22 33 36 16-0059 | EA | 400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater | 98,983.21 | 1,562.62 |
| 22 33 36 16-0060 | EA | 400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater | 104,641.27 | 1,562.62 |
| 22 33 36 16-0061 | EA | 400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater | 107,470.29 | 1,562.62 |
| 22 33 36 16-0062 | EA | 500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater | 71,525.86 | 1,757.95 |
| 22 33 36 16-0063 | EA | 500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater | 74,038.32 | 1,757.95 |
| 22 33 36 16-0064 | EA | 500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater | 76,550.79 | 1,757.95 |
| 22 33 36 16-0065 | EA | 500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater | 81,575.72 | 1,757.95 |
| 22 33 36 16-0066 | EA | 500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater | 86,600.65 | 1,757.95 |
| 22 33 36 16-0067 | EA | 500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater | 90,620.59 | 1,757.95 |
| 22 33 36 16-0068 | EA | 500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater | 96,650.51 | 1,757.95 |
| 22 33 36 16-0069 | EA | 500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater | 102,680.43 | 1,757.95 |
| 22 33 36 16-0070 | EA | 500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater | 105,695.39 | 1,757.95 |
| 22 33 36 16-0071 | EA | 500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater | 108,710.34 | 1,757.95 |
| 22 33 36 16-0072 | EA | 500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater | 111,725.30 | 1,757.95 |
| 22 33 36 16-0073 | EA | 500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater | 117,755.22 | 1,757.95 |
| 22 33 36 16-0074 | EA | 500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater | 120,770.18 | 1,757.95 |
| 22 33 36 16-0075 | EA | 500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater | 126,800.10 | 1,757.95 |
| 22 33 36 16-0076 | EA | 500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater | 132,830.00 | 1,757.95 |
| 22 33 36 16-0077 | EA | 600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater | 83,982.81 | 1,953.27 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 33 36 16-0078 | EA | 600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater | 86,903.99 | 1,953.27 |
| 22 33 36 16-0079 | EA | 600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater | 89,825.18 | 1,953.27 |
| 22 33 36 16-0080 | EA | 600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater | 95,667.54 | 1,953.27 |
| 22 33 36 16-0081 | EA | 600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater | 101,509.92 | 1,953.27 |
| 22 33 36 16-0082 | EA | 600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater | 106,183.82 | 1,953.27 |
| 22 33 36 16-0083 | EA | 600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater | 112,213.73 | 1,953.27 |
| 22 33 36 16-0084 | EA | 600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater | 119,224.57 | 1,953.27 |
| 22 33 36 16-0085 | EA | 600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater | 122,730.00 | 1,953.27 |
| 22 33 36 16-0086 | EA | 600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater | 126,235.42 | 1,953.27 |
| 22 33 36 16-0087 | EA | 600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater | 129,740.85 | 1,953.27 |
| 22 33 36 16-0088 | EA | 600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater | 137,732.62 | 1,953.27 |
| 22 33 36 16-0089 | EA | 600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater | 144,743.46 | 1,953.27 |
| 22 33 36 16-0090 | EA | 600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater | 148,248.89 | 1,953.27 |
| 22 33 36 16-0091 | EA | 600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater | 155,259.73 | 1,953.27 |
| 22 33 36 16-0092 | EA | 800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater | 96,809.32 | 2,607.62 |
| 22 33 36 16-0093 | EA | 800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater | 102,762.20 | 2,607.62 |
| 22 33 36 16-0094 | EA | 800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater | 108,715.08 | 2,607.62 |
| 22 33 36 16-0095 | EA | 800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater | 113,477.38 | 2,607.62 |
| 22 33 36 16-0096 | EA | 800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater | 120,620.84 | 2,607.62 |
| 22 33 36 16-0097 | EA | 800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater | 127,764.29 | 2,607.62 |
| 22 33 36 16-0098 | EA | 800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater | 131,336.02 | 2,607.62 |
| 22 33 36 16-0099 | EA | 800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater | 134,907.75 | 2,607.62 |
| 22 33 36 16-0100 | EA | 800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater | 138,479.47 | 2,607.62 |
| 22 33 36 16-0101 | EA | 800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater | 145,622.93 | 2,607.62 |
| 22 33 36 16-0102 | EA | 800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater | 152,766.39 | 2,607.62 |
| 22 33 36 16-0103 | EA | 800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater | 156,338.11 | 2,607.62 |
| 22 33 36 16-0104 | EA | 800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater | 163,481.57 | 2,607.62 |
| 22 33 36 16-0105 | EA | 1,000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater | 113,321.81 | 3,349.87 |
| 22 33 36 16-0106 | EA | 1,000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater | 118,418.55 | 3,349.87 |
| 22 33 36 16-0107 | EA | 1,000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater | 123,515.28 | 3,349.87 |
| 22 33 36 16-0108 | EA | 1,000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater | 127,592.67 | 3,349.87 |
| 22 33 36 16-0109 | EA | 1,000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater | 133,708.75 | 3,349.87 |
| 22 33 36 16-0110 | EA | 1,000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater | 139,824.84 | 3,349.87 |
| 22 33 36 16-0111 | EA | 1,000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater | 142,882.87 | 3,349.87 |
| 22 33 36 16-0112 | EA | 1,000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater | 145,940.92 | 3,349.87 |
| 22 33 36 16-0113 | EA | 1,000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater | 148,998.95 | 3,349.87 |
| 22 33 36 16-0114 | EA | 1,000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater | 155,115.04 | 3,349.87 |
| 22 33 36 16-0115 | EA | 1,000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater | 161,231.12 | 3,349.87 |
| 22 33 36 16-0116 | EA | 1,000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater | 164,289.15 | 3,349.87 |
| 22 33 36 16-0117 | EA | 1,000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater | 170,405.23 | 3,349.87 |
| 22 33 36 16-0118 | EA | 1,250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater | 125,722.65 | 3,906.55 |
| 22 33 36 16-0119 | EA | 1,250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater | 130,406.03 | 3,906.55 |
| 22 33 36 16-0120 | EA | 1,250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater | 135,089.40 | 3,906.55 |
| 22 33 36 16-0121 | EA | 1,250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater | 138,836.11 | 3,906.55 |
| 22 33 36 16-0122 | EA | 1,250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater | 144,456.16 | 3,906.55 |
| 22 33 36 16-0123 | EA | 1,250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater | 150,076.21 | 3,906.55 |
| 22 33 36 16-0124 | EA | 1,250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater | 152,886.24 | 3,906.55 |
| 22 33 36 16-0125 | EA | 1,250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater | 155,696.27 | 3,906.55 |
| 22 33 36 16-0126 | EA | 1,250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater | 158,506.30 | 3,906.55 |
| 22 33 36 16-0127 | EA | 1,250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater | 164,126.35 | 3,906.55 |
| 22 33 36 16-0128 | EA | 1,250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater | 169,746.40 | 3,906.55 |
| 22 33 36 16-0129 | EA | 1,250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater | 172,556.42 | 3,906.55 |
| 22 33 36 16-0130 | EA | 1,250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater | 178,176.48 | 3,906.55 |
| 22 33 36 16-0131 | EA | 1,250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater | 183,796.53 | 3,906.55 |
| 22 33 36 16-0132 | EA | 1,500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater | 137,909.09 | 4,687.86 |
| 22 33 36 16-0133 | EA | 1,500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater | 142,433.95 | 4,687.86 |
| 22 33 36 16-0134 | EA | 1,500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater | 146,958.80 | 4,687.86 |
| 22 33 36 16-0135 | EA | 1,500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater | 150,578.69 | 4,687.86 |
| 22 33 36 16-0136 | EA | 1,500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater | 156,008.52 | 4,687.86 |
| 22 33 36 16-0137 | EA | 1,500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater | 161,438.34 | 4,687.86 |
| 22 33 36 16-0138 | EA | 1,500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater | 164,153.26 | 4,687.86 |
| 22 33 36 16-0139 | EA | 1,500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater | 166,868.17 | 4,687.86 |
| 22 33 36 16-0140 | EA | 1,500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater | 169,583.09 | 4,687.86 |
| 22 33 36 16-0141 | EA | 1,500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater | 175,012.91 | 4,687.86 |
| 22 33 36 16-0142 | EA | 1,500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater | 180,442.74 | 4,687.86 |
| 22 33 36 16-0143 | EA | 1,500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater | 183,157.66 | 4,687.86 |
| 22 33 36 16-0144 | EA | 1,500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater | 188,587.49 | 4,687.86 |
| 22 33 36 16-0145 | EA | 1,500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater | 194,017.31 | 4,687.86 |

## 22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

### 22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

Note: Includes vent connection. Excludes vent.

| | | | | |
|---|---|---|---|---|
| 22 34 13 00-0003 | EA | 4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN) | 2,162.84 | 234.11 |
| 22 34 13 00-0004 | EA | 5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN) | 2,346.24 | 237.03 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 34 13 00-0005 | EA | 5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN) | 2,583.89 | 242.89 |
| 22 34 13 00-0006 | EA | 6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN) | 3,031.10 | 248.74 |
| 22 34 13 00-0007 | EA | 7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN) | 3,693.28 | 263.37 |
| 22 34 13 00-0008 | EA | 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN) | 3,773.97 | 263.37 |
| 22 34 13 00-0009 | | Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)* | | |
| 22 34 13 00-0010 | EA | 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN) | 2,340.38 | 234.11 |
| 22 34 13 00-0011 | EA | 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN) | 3,693.28 | 263.37 |
| 22 34 13 00-0012 | | Indoor Mount, Instantaneous, Tankless, Natural Gas Domestic Water Heaters *(22 34 13 00-0001)* | | |
| | | Note: Includes vent connection. Excludes vent. | | |
| 22 34 13 00-0013 | EA | 11 GPM, 15 MBTU Minimum To 199 MBTU Maximum, Indoor Mount, Instantaneous, Tankless, Natural Gas Domestic Water Heater (Rinnai CU199iN) | 3,393.81 | 351.17 |
| **22 34 30** | | **Residential Gas Domestic Water Heaters** *(22 34)* | | |
| **22 34 30 13** | | **Residential, Atmospheric, Gas Domestic Water Heaters** *(22 34 30)* | | |
| 22 34 30 13-0001 | | Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)* | | |
| | | Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent. | | |
| 22 34 30 13-0002 | EA | 30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30) | 1,603.34 | 225.33 |
| 22 34 30 13-0003 | EA | 40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40) | 1,571.50 | 231.18 |
| 22 34 30 13-0004 | EA | 50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50) | 2,113.50 | 237.03 |
| 22 34 30 13-0005 | EA | 65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65) | 2,291.84 | 242.89 |
| 22 34 30 13-0006 | EA | 75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75) | 2,508.37 | 248.74 |
| 22 34 30 13-0007 | EA | 100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100) | 3,744.36 | 263.37 |
| 22 34 30 13-0008 | | Atmospheric, Gas Domestic Water Heaters *(22 34 30 13)* | | |
| | | Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent. | | |
| 22 34 30 13-0009 | EA | 40 Gallon, 40 MBH, Tall, 67% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GCF-40) | 2,430.51 | 231.18 |
| 22 34 30 13-0010 | EA | 50 Gallon, 40 MBH, Tall, 67% Efficient, Energy Star, Gas Fired Domestic Water Heater (A. O. Smith GCF-50) | 2,660.91 | 237.03 |
| 22 34 30 13-0011 | EA | 40 Gallon, 40 MBH, Short, 67% Efficient, Energy Star, Gas Fired Domestic Water Heater (A. O. Smith GCFL-40) | 2,364.90 | 231.18 |
| 22 34 30 13-0012 | EA | 40 Gallon, 40 MBH, 70% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GAHH-40) | 2,474.25 | 231.18 |
| 22 34 30 13-0013 | EA | 50 Gallon, 40 MBH, 70% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GAHH-50) | 2,485.96 | 237.03 |
| 22 34 30 13-0014 | EA | 100 Gallon, 100 MBH, 96% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GDHE-50) | 5,000.50 | 175.59 |
| **22 34 30 16** | | **Residential, Direct-Vent, Gas Domestic Water Heaters** *(22 34 30)* | | |
| 22 34 30 16-0001 | | Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)* | | |
| | | Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent. | | |
| 22 34 30 16-0002 | EA | 40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40) | 2,992.39 | 231.18 |
| 22 34 30 16-0003 | EA | 50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50) | 3,420.01 | 237.03 |
| 22 34 30 16-0004 | EA | 75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75) | 4,469.88 | 242.89 |
| **22 34 30 19** | | **Residential, Power-Vent, Gas Domestic Water Heaters** *(22 34 30)* | | |
| 22 34 30 19-0001 | | Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)* | | |
| | | Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent. | | |
| 22 34 30 19-0002 | EA | 40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40) | 2,711.49 | 231.18 |
| 22 34 30 19-0003 | EA | 50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50) | 2,825.68 | 237.03 |
| **22 34 36** | | **Commercial Gas Domestic Water Heaters** *(22 34)* | | |
| **22 34 36 13** | | **Commercial, Atmospheric, Gas Domestic Water Heaters** *(22 34 36)* | | |
| 22 34 36 13-0001 | | Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36 13)* | | |
| | | Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent. | | |
| 22 34 36 13-0002 | EA | 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120) | 7,087.75 | 351.17 |
| 22 34 36 13-0003 | EA | 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154) | 7,558.69 | 409.69 |
| 22 34 36 13-0004 | EA | 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180) | 9,360.52 | 468.22 |
| 22 34 36 13-0005 | EA | 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199) | 8,083.48 | 468.22 |
| 22 34 36 13-0006 | EA | 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200) | 9,308.35 | 468.22 |
| 22 34 36 13-0007 | EA | 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A) | 12,436.30 | 515.05 |
| 22 34 36 13-0008 | EA | 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250) | 8,999.07 | 526.75 |
| 22 34 36 13-0009 | EA | 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A) | 13,390.63 | 579.42 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 34 36 13-0010 | EA | 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251) | 9,140.60 | 526.75 |
| 22 34 36 13-0011 | EA | 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A) | 12,767.24 | 579.42 |
| 22 34 36 13-0012 | EA | 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275) | 10,116.03 | 643.81 |
| 22 34 36 13-0013 | EA | 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A) | 13,951.43 | 708.18 |
| 22 34 36 13-0014 | EA | 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305) | 11,396.51 | 643.81 |
| 22 34 36 13-0015 | EA | 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A) | 14,035.67 | 708.18 |
| 22 34 36 13-0016 | EA | 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365) | 11,008.18 | 702.33 |
| 22 34 36 13-0017 | EA | 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A) | 15,495.45 | 772.57 |
| 22 34 36 13-0018 | EA | 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400) | 14,023.96 | 702.33 |
| 22 34 36 13-0019 | EA | 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A) | 18,393.36 | 772.57 |
| 22 34 36 13-0020 | EA | 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500) | 18,319.39 | 760.86 |
| 22 34 36 13-0021 | EA | 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151) | 9,142.37 | 409.69 |
| 22 34 36 13-0022 | EA | 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A) | 10,976.53 | 450.66 |
| 22 34 36 13-0023 | EA | 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201) | 9,495.30 | 468.22 |
| 22 34 36 13-0024 | EA | 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A) | 11,391.71 | 515.05 |
| 22 34 36 13-0025 | EA | Sidewall Power Vent System For BTR-120 through BTR-200 | 2,270.03 | 292.64 |
| 22 34 36 13-0026 | EA | Sidewall Power Vent System For BTR-250 through BTR-500 | 2,489.05 | 292.64 |

### 22 34 36 13-0027 Removal And Reinstallation Of Water Heater *(22 34 36 13)*

Note: Includes storage and cleaning.

| | | | | |
|---|---|---|---|---|
| 22 34 36 13-0028 | EA | Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon | 532.07 | |
| 22 34 36 13-0029 | EA | Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon | 1,406.92 | |

## 22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters *(22 34 36)*

### 22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

| | | | | |
|---|---|---|---|---|
| 22 34 36 19-0002 | EA | 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100) | 5,756.74 | 351.17 |
| 22 34 36 19-0003 | EA | 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120) | 8,267.13 | 351.17 |
| 22 34 36 19-0004 | EA | 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154) | 10,085.87 | 409.69 |
| 22 34 36 19-0005 | EA | 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180) | 10,489.35 | 468.22 |
| 22 34 36 19-0006 | EA | 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199) | 10,539.90 | 468.22 |
| 22 34 36 19-0007 | EA | 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200) | 10,775.77 | 468.22 |
| 22 34 36 19-0008 | EA | 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A) | 12,655.33 | 515.05 |
| 22 34 36 19-0009 | EA | 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250) | 11,886.87 | 526.75 |
| 22 34 36 19-0010 | EA | 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A) | 14,637.41 | 579.42 |
| 22 34 36 19-0011 | EA | 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275) | 12,441.10 | 643.81 |
| 22 34 36 19-0012 | EA | 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A) | 15,265.60 | 708.18 |
| 22 34 36 19-0013 | EA | 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310) | 12,710.67 | 643.81 |
| 22 34 36 19-0014 | EA | 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A) | 15,434.08 | 708.18 |
| 22 34 36 19-0015 | EA | 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366) | 14,259.84 | 702.33 |
| 22 34 36 19-0016 | EA | 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A) | 16,775.92 | 772.57 |
| 22 34 36 19-0017 | EA | 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400) | 17,309.38 | 702.33 |
| 22 34 36 19-0018 | EA | 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A) | 19,977.10 | 772.57 |

### 22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

| | | | | |
|---|---|---|---|---|
| 22 34 36 19-0020 | EA | 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80) | 4,442.57 | 351.17 |
| 22 34 36 19-0021 | EA | 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100) | 5,992.61 | 351.17 |
| 22 34 36 19-0022 | EA | 120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120) | 7,273.08 | 351.17 |
| 22 34 36 19-0023 | EA | 120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A) | 10,510.80 | 386.28 |
| 22 34 36 19-0024 | EA | 150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150) | 10,759.80 | 409.69 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 34 36 19-0025 | EA | 150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A) | 13,588.02 | 450.66 |
| 22 34 36 19-0026 | EA | 199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199) | 10,910.56 | 468.22 |
| 22 34 36 19-0027 | EA | 199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A) | 13,986.35 | 515.05 |
| 22 34 36 19-0028 | EA | 250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250) | 12,611.35 | 526.75 |
| 22 34 36 19-0029 | EA | 250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A) | 15,361.88 | 579.42 |
| 22 34 36 19-0030 | EA | 300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A) | 20,117.91 | 708.18 |
| 22 34 36 19-0031 | EA | 399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A) | 21,139.63 | 772.57 |
| 22 34 36 19-0032 | EA | 499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A) | 24,334.78 | 836.94 |

## 22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters *(22 34 36)*

### 22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) *(22 34 36 23)*

Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.

| | | | | |
|---|---|---|---|---|
| 22 34 36 23-0002 | EA | 400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400) | 97,790.62 | 1,562.62 |
| 22 34 36 23-0003 | EA | 1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000) | 118,367.59 | 1,660.28 |
| 22 34 36 23-0004 | EA | 2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000) | 143,969.61 | 1,757.95 |
| 22 34 36 23-0005 | EA | 3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000) | 172,248.31 | 1,855.61 |
| 22 34 36 23-0006 | EA | 4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000) | 180,539.92 | 1,953.27 |

### 22 34 36 23-0007 Gas Fired Volume Water Heater (Laars Mighty Therm) *(22 34 36 23)*

| | | | | |
|---|---|---|---|---|
| 22 34 36 23-0008 | EA | 200 MBH Gas Fired Volume Water Heater (Laars MT2V0200) | 11,988.76 | 862.79 |
| 22 34 36 23-0009 | EA | 300 MBH Gas Fired Volume Water Heater (Laars MT2V0300) | 12,995.94 | 970.64 |
| 22 34 36 23-0010 | EA | 400 MBH Gas Fired Volume Water Heater (Laars MT2V0400) | 15,027.69 | 1,186.34 |
| 22 34 36 23-0011 | EA | 500 MBH Gas Fired Volume Water Heater (Laars MT2V0500) | 22,040.56 | 1,294.19 |
| 22 34 36 23-0012 | EA | 750 MBH Gas Fired Volume Water Heater (Laars MT2V0750) | 24,213.66 | 1,509.88 |
| 22 34 36 23-0013 | EA | 1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000) | 27,697.90 | 1,725.59 |
| 22 34 36 23-0014 | EA | 1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250) | 30,586.38 | 1,941.29 |
| 22 34 36 23-0015 | EA | 1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500) | 36,621.20 | 2,156.99 |
| 22 34 36 23-0016 | EA | 1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750) | 37,991.50 | 2,264.83 |
| 22 34 36 23-0017 | EA | 2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000) | 40,775.17 | 2,372.68 |

### 22 34 36 23-0018 Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm) *(22 34 36 23)*

Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.

| | | | | |
|---|---|---|---|---|
| 22 34 36 23-0019 | EA | 150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150) | 20,293.39 | 646.98 |
| | | *For Skid Mounting, Add* | *950.00* | |
| 22 34 36 23-0020 | EA | 199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199) | 23,617.51 | 862.79 |
| | | *For Skid Mounting, Add* | *950.00* | |
| 22 34 36 23-0021 | EA | 285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285) | 30,970.12 | 970.64 |
| | | *For Skid Mounting, Add* | *950.00* | |
| 22 34 36 23-0022 | EA | 399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399) | 38,902.48 | 1,186.34 |
| | | *For Skid Mounting, Add* | *950.00* | |
| 22 34 36 23-0023 | EA | 500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500) | 46,000.60 | 1,294.19 |
| | | *For Skid Mounting, Add* | *950.00* | |
| 22 34 36 23-0024 | EA | 600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600) | 52,039.89 | 1,402.03 |
| | | *For Skid Mounting, Add* | *950.00* | |
| 22 34 36 23-0025 | EA | 750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750) | 62,530.21 | 1,509.88 |
| | | *For Skid Mounting, Add* | *950.00* | |
| 22 34 36 23-0026 | EA | 850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850) | 69,319.50 | 1,617.73 |
| | | *For Skid Mounting, Add* | *950.00* | |
| 22 34 36 23-0027 | EA | 1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000) | 91,306.50 | 1,725.59 |
| | | *For Skid Mounting, Add* | *950.00* | |
| 22 34 36 23-0028 | EA | 1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700) | 122,758.79 | 2,264.83 |
| | | *For Skid Mounting, Add* | *950.00* | |

## 22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters *(22 34 36)*

### 22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters *(22 34 36 26)*

| | | | | |
|---|---|---|---|---|
| 22 34 36 26-0002 | EA | 1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) | 36,507.47 | 1,639.31 |
| 22 34 36 26-0003 | EA | 1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) | 51,634.06 | 1,811.86 |
| 22 34 36 26-0004 | EA | 2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) | 56,037.03 | 1,898.14 |
| 22 34 36 26-0005 | EA | 2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) | 60,692.26 | 2,070.70 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 34 36 26-0006 | | Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)* | | |
| 22 34 36 26-0007 | EA | 1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) | 32,350.41 | 1,639.31 |
| 22 34 36 26-0008 | EA | 1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) | 35,738.65 | 1,811.86 |
| 22 34 36 26-0009 | EA | 2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) | 39,081.29 | 1,898.14 |
| 22 34 36 26-0010 | EA | 2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) | 42,459.99 | 2,070.70 |
| 22 34 36 26-0011 | | Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)* | | |
| 22 34 36 26-0012 | EA | 200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) | 8,260.35 | 776.51 |
| 22 34 36 26-0013 | EA | 300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) | 9,086.49 | 862.79 |
| 22 34 36 26-0014 | EA | 400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) | 10,668.83 | 1,035.35 |
| 22 34 36 26-0015 | EA | 500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) | 15,095.89 | 1,078.49 |
| 22 34 36 26-0016 | EA | 750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) | 16,617.56 | 1,294.19 |
| 22 34 36 26-0017 | EA | 1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) | 20,499.70 | 1,553.03 |
| 22 34 36 26-0018 | EA | 1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) | 23,319.32 | 1,639.31 |
| 22 34 36 26-0019 | EA | 1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) | 25,854.15 | 1,768.73 |
| 22 34 36 26-0020 | EA | 1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) | 28,231.84 | 1,855.01 |
| 22 34 36 26-0021 | EA | 2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) | 30,312.51 | 1,898.14 |
| 22 34 36 26-0022 | | Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)* | | |
| 22 34 36 26-0023 | EA | 700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific) | 23,590.62 | 1,294.19 |
| 22 34 36 26-0024 | EA | 1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific) | 26,005.15 | 1,553.03 |
| 22 34 36 26-0025 | EA | 1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific) | 31,137.12 | 1,768.73 |
| 22 34 36 26-0026 | EA | 1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific) | 32,094.41 | 1,855.01 |
| 22 34 36 26-0027 | EA | 2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific) | 33,574.57 | 1,898.14 |
| 22 34 36 26-0028 | | Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)* | | |
| 22 34 36 26-0029 | EA | 1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire) | 28,372.85 | 1,553.03 |
| 22 34 36 26-0030 | EA | 1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire) | 34,278.92 | 1,768.73 |
| 22 34 36 26-0031 | EA | 2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire) | 36,385.48 | 1,898.14 |
| **22 34 46** | | **Oil-Fired Domestic Water Heaters** *(22 34)* | | |
| **22 34 46 11** | | **Standard-capacity, Oil-Fired Domestic Water Heaters** *(22 34 46)* | | |
| 22 34 46 11-0001 | | Oil-Fired Domestic Water Heaters *(22 34 46 11)*<br>Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent. | | |
| 22 34 46 11-0002 | EA | 60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E) | 3,389.58 | 180.27 |
| 22 34 46 11-0003 | EA | 104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E) | 3,350.54 | 180.27 |
| 22 34 46 11-0004 | EA | 104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES) | 3,475.97 | 180.27 |
| 22 34 46 11-0005 | EA | 125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E) | 3,637.16 | 184.95 |
| 22 34 46 11-0006 | EA | 140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES) | 4,489.02 | 189.63 |
| 22 34 46 11-0007 | EA | 152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E) | 3,868.78 | 189.63 |
| 22 34 46 11-0008 | | Oil-Fired Commercial Water Heaters *(22 34 46 11)*<br>Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent. | | |
| 22 34 46 11-0009 | EA | 173 MBH, 68 Gallon, Oil-Fired Domestic Water Heater (Bock 71E) | 5,113.61 | 280.93 |
| 22 34 46 11-0010 | EA | 199 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 72E) | 5,930.20 | 280.93 |
| 22 34 46 11-0011 | EA | 242 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 73E) | 5,961.61 | 280.93 |
| 22 34 46 11-0012 | EA | 190 MBH, 113 Gallon, Oil-Fired Domestic Water Heater (Bock 120E) | 8,274.12 | 374.57 |
| 22 34 46 11-0013 | EA | 415 MBH, 91 Gallon, Oil-Fired Domestic Water Heater (Bock 361E) | 11,662.16 | 468.22 |
| 22 34 46 11-0014 | EA | 623 MBH, 83 Gallon, Oil-Fired Domestic Water Heater (Bock 541E) | 14,433.93 | 515.05 |
| **22 35** | | **Domestic Water Heat Exchangers** *(22 30)* | | |
| **22 35 23** | | **Circulating, Domestic Water Heat Exchangers** *(22 35)* | | |
| **22 35 23 13** | | **Circulating, Compact Domestic Water Heat Exchangers** *(22 35 23)* | | |
| 22 35 23 13-0001 | | Steam Driven Water Heaters *(22 35 23 13)* | | |
| 22 35 23 13-0002 | | Constant Flow *(22 35 23 13-0001)* | | |
| 22 35 23 13-0003 | EA | 30 GPM, 700 Lb./Hour Steam Water Heater, Constant Flow | 6,498.47 | 585.28 |
| 22 35 23 13-0004 | EA | 90 GPM, 1,250 Lb./Hour Steam Water Heater, Constant Flow | 8,116.00 | 717.20 |
| 22 35 23 13-0005 | EA | 140 GPM, 2,500 Lb./Hour Steam Water Heater, Constant Flow | 10,400.56 | 937.97 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 35 23 13-0006 | EA | 230 GPM, 5,000 Lb./Hour Steam Water Heater, Constant Flow | 14,075.07 | 1,306.46 |
| 22 35 23 13-0007 | EA | 500 GPM, 7,500 Lb./Hour Steam Water Heater, Constant Flow | 20,776.85 | 2,151.71 |
| 22 35 23 13-0008 | EA | 900 GPM, 10,000 Lb./Hour Steam Water Heater, Constant Flow | 22,646.64 | 2,438.62 |
| 22 35 23 13-0009 | EA | 1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Constant Flow | 29,704.09 | 2,813.78 |
| 22 35 23 13-0010 | EA | 2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Constant Flow | 35,738.43 | 3,325.43 |

### 22 35 23 13-0011 Variable Flow *(22 35 23 13-0001)*

| | | | | |
|---|---|---|---|---|
| 22 35 23 13-0012 | EA | 30 GPM, 700 Lb./Hour Steam Water Heater, Variable Flow | 9,799.36 | 1,141.29 |
| 22 35 23 13-0013 | EA | 90 GPM, 1,250 Lb./Hour Steam Water Heater, Variable Flow | 11,110.11 | 1,393.55 |
| 22 35 23 13-0014 | EA | 140 GPM, 2,500 Lb./Hour Steam Water Heater, Variable Flow | 14,173.36 | 1,801.95 |
| 22 35 23 13-0015 | EA | 230 GPM, 5,000 Lb./Hour Steam Water Heater, Variable Flow | 18,592.75 | 2,514.12 |
| 22 35 23 13-0016 | EA | 500 GPM, 7,500 Lb./Hour Steam Water Heater, Variable Flow | 27,762.46 | 4,204.63 |
| 22 35 23 13-0017 | EA | 900 GPM, 10,000 Lb./Hour Steam Water Heater, Variable Flow | 33,769.14 | 4,630.37 |
| 22 35 23 13-0018 | EA | 1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Variable Flow | 39,119.63 | 5,419.20 |
| 22 35 23 13-0019 | EA | 2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Variable Flow | 49,524.05 | 6,474.34 |

# 22 40 Plumbing Fixtures *(22)*

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

# 22 41 Residential Plumbing Fixtures *(22 40)*

## 22 41 26 Residential Disposers *(22 41)*

### 22 41 26 00-0001 Disposals *(22 41 26)*

| | | | | |
|---|---|---|---|---|
| 22 41 26 00-0002 | EA | 1/3 HP Insulated Garbage Disposal | 288.98 | 74.71 |
| 22 41 26 00-0003 | EA | 1/2 HP Insulated Garbage Disposal | 329.44 | 74.71 |
| 22 41 26 00-0004 | EA | 3/4 HP Insulated Garbage Disposal | 430.58 | 74.71 |
| 22 41 26 00-0005 | EA | 1 HP Insulated Garbage Disposal | 531.72 | 74.71 |

## 22 41 39 Residential Faucets, Supplies, and Trim *(22 41)*

### 22 41 39 00-0001 Residential Kitchen Faucets *(22 41 39)*

| | | | | |
|---|---|---|---|---|
| 22 41 39 00-0002 | EA | Chrome Single Handle Kitchen Faucet (Delta 100LF-WF) | 206.56 | 53.90 |
| 22 41 39 00-0003 | EA | Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF) | 239.01 | 53.90 |
| 22 41 39 00-0004 | EA | Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF) | 239.01 | 53.90 |
| 22 41 39 00-0005 | EA | Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215) | 230.05 | 53.90 |
| 22 41 39 00-0006 | EA | Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215) | 247.48 | 53.90 |

### 22 41 39 00-0007 Residential Lavatory Faucets *(22 41 39)*

| | | | | |
|---|---|---|---|---|
| 22 41 39 00-0008 | EA | Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST) | 189.18 | 38.80 |
| | | *For Faucet With Brass Pop-Up, Add* | *11.00* | |
| 22 41 39 00-0009 | EA | Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF) | 189.18 | 38.80 |
| | | *For Faucet With Brass Pop-Up, Add* | *11.00* | |
| 22 41 39 00-0010 | EA | Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF) | 135.81 | 38.80 |
| | | *For Faucet With Brass Pop-Up, Add* | *16.50* | |
| | | *For Faucet With Plastic Pop-Up, Add* | *14.00* | |

### 22 41 39 00-0011 Residential Bath And Shower Faucets *(22 41 39)*

| | | | | |
|---|---|---|---|---|
| 22 41 39 00-0012 | EA | Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501) | 246.47 | 46.78 |
| | | *For Faucet With Polished Nickel Or Brass Finish, Add* | *25.00* | |
| 22 41 39 00-0013 | EA | Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502) | 290.86 | 46.78 |
| | | *For Faucet With Polished Nickel Or Brass Finish, Add* | *25.00* | |
| 22 41 39 00-0014 | EA | Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275) | 227.13 | 46.78 |
| | | *For Faucet With Polished Nickel Or Brass Finish, Add* | *75.00* | |
| | | *For Faucet With Lever Handles, Add* | *8.10* | |
| 22 41 39 00-0015 | EA | Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375) | 251.03 | 46.78 |
| | | *For Faucet With Polished Nickel Or Brass Finish, Add* | *75.00* | |
| | | *For Faucet With Lever Handles, Add* | *8.10* | |
| 22 41 39 00-0016 | EA | Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602) | 280.46 | 29.27 |
| 22 41 39 00-0017 | EA | Wall Mount, Hand Shower With Hose (Delta 55011) | 232.92 | 29.27 |
| 22 41 39 00-0018 | EA | Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS) | 261.76 | 29.27 |

### 22 41 39 00-0019 Residential Laundry Faucets *(22 41 39)*

| | | | | |
|---|---|---|---|---|
| 22 41 39 00-0020 | EA | Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF) | 162.77 | 34.41 |

### 22 41 39 00-0021 Residential Laundry/Wash Basin Faucets *(22 41 39)*

| | | | | |
|---|---|---|---|---|
| 22 41 39 00-0022 | EA | Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF) | 164.11 | 34.41 |
| 22 41 39 00-0023 | EA | Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503) | 235.14 | 37.93 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 41 39 00-0024 | | Other Residential Faucets *(22 41 39)* | | |
| 22 41 39 00-0025 | EA | Sillcock, Compact, Brass, IPS Or Copper To Hose | 44.66 | 8.78 |

## 22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

### 22 42 13 Commercial Water Closets, Urinals, and Bidets *(22 42)*

#### 22 42 13 13 Commercial Water Closets *(22 42 13)*

22 42 13 13-0001 Vitreous China Water Closets *(22 42 13 13)*

Note: With a 2" ball pass.

22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

| | | | | |
|---|---|---|---|---|
| 22 42 13 13-0003 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™) | 657.07 | 112.10 |
| 22 42 13 13-0004 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™) | 766.54 | 112.10 |
| 22 42 13 13-0005 | EA | 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™) | 965.98 | 112.10 |
| 22 42 13 13-0006 | EA | 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®) | 873.50 | 112.10 |
| 22 42 13 13-0007 | EA | 1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®) | 821.28 | 112.10 |
| 22 42 13 13-0008 | EA | 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®) | 824.87 | 112.10 |
| 22 42 13 13-0009 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™) | 649.05 | 112.10 |
| 22 42 13 13-0010 | EA | 1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E) | 689.36 | 112.10 |

22 42 13 13-0011 Wall Hung Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

| | | | | |
|---|---|---|---|---|
| 22 42 13 13-0012 | EA | Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®) | 759.79 | 137.97 |
| 22 42 13 13-0013 | EA | Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit) | 919.25 | 137.97 |
| 22 42 13 13-0014 | EA | 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™) | 1,135.68 | 137.97 |
| 22 42 13 13-0015 | EA | Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™) | 762.64 | 137.97 |
| 22 42 13 13-0016 | EA | Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™) | 1,106.24 | 137.97 |
| 22 42 13 13-0017 | EA | Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV) | 832.86 | 137.97 |
| 22 42 13 13-0018 | EA | Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL) | 723.55 | 137.97 |
| 22 42 13 13-0019 | EA | Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459) | 755.23 | 137.97 |

22 42 13 13-0020 Floor Mounted Elongated Handicapped Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

| | | | | |
|---|---|---|---|---|
| 22 42 13 13-0021 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA) | 664.99 | 112.10 |
| 22 42 13 13-0022 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®) | 678.83 | 112.10 |
| 22 42 13 13-0023 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®) | 739.86 | 112.10 |
| 22 42 13 13-0024 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron) | 815.35 | 112.10 |
| 22 42 13 13-0025 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA) | 812.21 | 112.10 |
| 22 42 13 13-0026 | EA | 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA) | 1,053.18 | 112.10 |
| 22 42 13 13-0027 | EA | 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA) | 902.18 | 112.10 |
| 22 42 13 13-0028 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN) | 727.15 | 112.10 |
| 22 42 13 13-0029 | EA | 2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650) | 834.58 | 112.10 |
| 22 42 13 13-0030 | EA | 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519) | 921.14 | 112.10 |
| 22 42 13 13-0031 | EA | 2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436) | 737.89 | 112.10 |
| 22 42 13 13-0032 | EA | 2 Piece Tank Type, High Eficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™) | 720.92 | 112.10 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 13 13-0033 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL) | 695.39 | 112.10 |
| **22 42 13 13-0034** | | **Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets** *(22 42 13 13-0001)* | | |
| | | Note: Includes wax seal and toilet seat. Excludes flush valve. | | |
| 22 42 13 13-0035 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™) | 734.95 | 112.10 |
| 22 42 13 13-0036 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™) | 671.90 | 112.10 |
| 22 42 13 13-0037 | EA | 2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™) | 770.06 | 112.10 |
| **22 42 13 13-0038** | | **Floor Mounted Round Bowl Vitreous China Water Closets** *(22 42 13 13-0001)* | | |
| 22 42 13 13-0039 | EA | 2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113) | 695.42 | 112.10 |
| 22 42 13 13-0040 | EA | 2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412) | 726.70 | 112.10 |
| **22 42 13 13-0041** | | **Floor Mounted Round Vitreous China Water Closets (Saniflo)** *(22 42 13 13-0001)* | | |
| | | Note: Includes wax seal and toilet seat. Excludes flush valve. | | |
| 22 42 13 13-0042 | EA | 1.28 GPF Grinder Pump Type, Floor Mounted, Floor Outlet, Pro Pump And White Round Vitreous China Water Closet Kit (Saniflo) | 2,507.48 | 215.58 |
| | | Note: Includes Sanibest Pro Grinder Pump (The Beast) #013, Saniflo White Round Toilet Bowl #083, Saniflo White Toilet Tank (Water Sense Approved) #005, & Saniflo Slow Close Toilet Seat. | | |
| | | *For Extension Pipe (To Hide Pump), Add* | *77.60* | |
| | | *For Extension pipe Trim Plate, Add* | *13.86* | |
| | | *For Sani-Alarm (High Water Level Alarm), Add* | *88.68* | |
| **22 42 13 13-0043** | | **Stainless Steel Water Closets** *(22 42 13 13)* | | |
| 22 42 13 13-0044 | EA | Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS) | 2,581.77 | 242.53 |
| 22 42 13 13-0045 | EA | Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS) | 2,711.72 | 242.53 |
| **22 42 13 13-0046** | | **Water Closet Carriers** *(22 42 13 13)* | | |
| **22 42 13 13-0047** | | **Pipe Grip Adaptor Type, Water Closet Carriers** *(22 42 13 13-0046)* | | |
| | | Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings. | | |
| 22 42 13 13-0048 | EA | Pipe Grip Adaptor Type, Water Closet Carrier | 734.86 | 56.91 |
| **22 42 13 13-0049** | | **No-Hub, Water Closet Carriers** *(22 42 13 13-0046)* | | |
| | | Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot. | | |
| 22 42 13 13-0050 | EA | Vertical Close With Offset, No-Hub, Single Water Closet Carrier | 1,173.53 | 56.91 |
| | | *For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct* | *-107.63* | |
| | | *For Positioning Frame, Add* | *66.47* | |
| | | *For Supply Pipe Support, Add* | *68.08* | |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| | | *For Auxiliary Inlet, Add* | *289.99* | |
| | | *For Special Duty 500 Lb. Carrier, Add* | *510.97* | |
| 22 42 13 13-0051 | EA | Vertical Close On Stack, No-Hub, Single Water Closet Carrier | 1,173.53 | 56.91 |
| | | *For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct* | *-107.63* | |
| | | *For Positioning Frame, Add* | *66.47* | |
| | | *For Supply Pipe Support, Add* | *68.08* | |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| | | *For Auxiliary Inlet, Add* | *289.99* | |
| | | *For Special Duty 500 Lb. Carrier, Add* | *510.97* | |
| 22 42 13 13-0052 | EA | Horizontal Adjustable, No-Hub, Single Water Closet Carrier | 1,287.61 | 56.91 |
| | | *For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct* | *-107.63* | |
| | | *For Positioning Frame, Add* | *66.47* | |
| | | *For Supply Pipe Support, Add* | *68.08* | |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| | | *For Auxiliary Inlet, Add* | *289.99* | |
| | | *For Horizontal No Hub Cast Long Barrel, Add* | *304.87* | |
| | | *For Carrier For Wide Chase Installations, Add* | *390.79* | |
| | | *For Special Duty 1,000 Lb. Carrier, Add* | *510.98* | |
| 22 42 13 13-0053 | EA | Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier | 1,433.83 | 56.91 |
| | | *For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct* | *-107.63* | |
| | | *For Positioning Frame, Add* | *66.47* | |
| | | *For Supply Pipe Support, Add* | *68.08* | |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| | | *For 4" Branch, Add* | *232.57* | |
| | | *For Auxiliary Inlet, Add* | *289.99* | |
| | | *For Carrier For Wide Chase Installations, Add* | *390.79* | |
| | | *For Double 4" Branches, Add* | *466.72* | |
| | | *For Special Duty 1,000 Lb. Carrier, Add* | *510.98* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 13 13-0054 | EA | Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier | 1,966.17 | 83.53 |
| | | *For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct* | *-215.28* | |
| | | *For Positioning Frame, Add* | *141.02* | |
| | | *For Supply Pipe Support, Add* | *144.25* | |
| | | *For Vandal Proof Trim, Add* | *183.20* | |
| | | *For Auxiliary Inlet, Add* | *306.16* | |
| | | *For Special Duty 500 Lb. Carrier, Add* | *1,021.93* | |
| 22 42 13 13-0055 | EA | Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier | 2,024.03 | 83.53 |
| | | *For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct* | *-215.28* | |
| | | *For Positioning Frame, Add* | *141.02* | |
| | | *For Supply Pipe Support, Add* | *144.25* | |
| | | *For Vandal Proof Trim, Add* | *183.20* | |
| | | *For Auxiliary Inlet, Add* | *306.16* | |
| | | *For Special Duty 500 Lb. Carrier, Add* | *1,021.93* | |
| 22 42 13 13-0056 | EA | Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier | 2,485.18 | 83.53 |
| | | *For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct* | *-215.28* | |
| | | *For Positioning Frame, Add* | *141.02* | |
| | | *For Supply Pipe Support, Add* | *144.25* | |
| | | *For Vandal Proof Trim, Add* | *183.20* | |
| | | *For 4" Branch, Add* | *240.65* | |
| | | *For Auxiliary Inlet, Add* | *306.16* | |
| | | *For Double 4" Branches, Add* | *482.89* | |
| | | *For Carrier For Wide Chase Installations, Add* | *830.08* | |
| | | *For Special Duty 1,000 Lb. Carrier, Add* | *1,021.96* | |
| 22 42 13 13-0057 | EA | Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier | 2,334.14 | 83.53 |
| | | *For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct* | *-215.28* | |
| | | *For Positioning Frame, Add* | *141.02* | |
| | | *For Supply Pipe Support, Add* | *144.25* | |
| | | *For Vandal Proof Trim, Add* | *183.20* | |
| | | *For Horizontal No Hub Cast Long Barrel, Add* | *312.95* | |
| | | *For Carrier For Wide Chase Installations, Add* | *830.08* | |
| | | *For Special Duty 1,000 Lb. Carrier, Add* | *1,021.96* | |

## 22 42 13 13-0058 Hub And Spigot, Water Closet Carriers *(22 42 13 13-0046)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

| | | | | |
|---|---|---|---|---|
| 22 42 13 13-0059 | EA | Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier | 1,073.02 | 56.91 |
| | | *For Positioning Frame, Add* | *66.47* | |
| | | *For Supply Pipe Support, Add* | *68.08* | |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| | | *For Hanger Type Closet Adapter, Add* | *229.78* | |
| | | *For Auxiliary Inlet, Add* | *289.99* | |
| 22 42 13 13-0060 | EA | Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier | 1,173.53 | 56.91 |
| | | *For Positioning Frame, Add* | *66.47* | |
| | | *For Supply Pipe Support, Add* | *68.08* | |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| | | *For Auxiliary Inlet, Add* | *289.99* | |
| | | *For Special Duty 500 Lb. Carrier, Add* | *510.97* | |
| 22 42 13 13-0061 | EA | Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier | 1,488.46 | 56.91 |
| | | *For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct* | *-107.63* | |
| | | *For Positioning Frame, Add* | *66.47* | |
| | | *For Supply Pipe Support, Add* | *68.08* | |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| | | *For 4" Branch, Add* | *232.57* | |
| | | *For Auxiliary Inlet, Add* | *289.99* | |
| | | *For Carrier For Wide Chase Installations, Add* | *390.79* | |
| | | *For Double 4" Branches, Add* | *466.72* | |
| | | *For Special Duty 1,000 Lb. Carrier, Add* | *510.98* | |
| 22 42 13 13-0062 | EA | Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier | 1,794.19 | 83.53 |
| | | *For Positioning Frame, Add* | *141.02* | |
| | | *For Supply Pipe Support, Add* | *144.25* | |
| | | *For Vandal Proof Trim, Add* | *183.20* | |
| | | *For Auxiliary Inlet, Add* | *306.16* | |
| | | *For Hanger Type Closet Adapter, Add* | *459.55* | |
| 22 42 13 13-0063 | EA | Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier | 2,539.82 | 83.53 |
| | | *For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct* | *-215.28* | |
| | | *For Positioning Frame, Add* | *141.02* | |
| | | *For Supply Pipe Support, Add* | *144.25* | |
| | | *For Vandal Proof Trim, Add* | *183.20* | |
| | | *For 4" Branch, Add* | *240.65* | |
| | | *For Auxiliary Inlet, Add* | *306.16* | |
| | | *For Double 4" Branches, Add* | *482.89* | |
| | | *For Carrier For Wide Chase Installations, Add* | *830.08* | |
| | | *For Special Duty 1,000 Lb. Carrier, Add* | *1,021.96* | |

## 22 42 13 13-0064 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers

*(22 42 13 13-0046)*

Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.

| | | | | |
|---|---|---|---|---|
| 22 42 13 13-0065 | EA | Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier | 892.33 | 56.91 |
| | | *For Positioning Frame, Add* | *66.47* | |
| | | *For Supply Pipe Support, Add* | *68.08* | |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| | | *For Hanger Type Closet Adapter, Add* | *229.78* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 13 13-0066 | | **Institutional Water Closet Carriers** *(22 42 13 13-0046)* Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket. | | |
| 22 42 13 13-0067 | EA | Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier | 3,285.40 | 83.53 |
| | | *For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct* | *-215.28* | |
| | | *For Positioning Frame, Add* | *141.02* | |
| | | *For Supply Pipe Support, Add* | *144.25* | |
| | | *For Vandal Proof Trim, Add* | *183.20* | |
| | | *For Auxiliary Inlet, Add* | *306.16* | |
| 22 42 13 13-0068 | | **Removal And Reinstallation Of Fixtures And Trim** *(22 42 13 13)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture. | | |
| 22 42 13 13-0069 | EA | Removal And Reinstallation Of Wall Hung Water Closet With Tank | 492.60 | |
| 22 42 13 13-0070 | EA | Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve | 492.60 | |
| 22 42 13 13-0071 | EA | Removal And Reinstallation Of Floor Mount Water Closet With Tank | 378.82 | |
| 22 42 13 13-0072 | EA | Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve | 378.82 | |
| **22 42 13 16** | | **Commercial Urinals** *(22 42 13)* | | |
| 22 42 13 16-0001 | | **Vitreous China Urinals** *(22 42 13 16)* Note: Excludes flush valve unless indicated otherwise. | | |
| 22 42 13 16-0002 | | **Wall Hung Urinals** *(22 42 13 16-0001)* | | |
| 22 42 13 16-0003 | EA | Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™) | 593.92 | 115.34 |
| 22 42 13 16-0004 | EA | Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®) | 719.61 | 115.34 |
| 22 42 13 16-0005 | EA | Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®) | 745.89 | 115.34 |
| 22 42 13 16-0006 | EA | Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™) | 784.50 | 115.34 |
| 22 42 13 16-0007 | EA | Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™) | 717.56 | 115.34 |
| 22 42 13 16-0008 | EA | Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™) | 611.47 | 115.34 |
| 22 42 13 16-0009 | EA | Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV) | 736.02 | 115.34 |
| 22 42 13 16-0010 | EA | Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV) | 634.45 | 115.34 |
| 22 42 13 16-0011 | EA | Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798) | 683.81 | 115.34 |
| 22 42 13 16-0012 | EA | Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A) | 627.19 | 115.34 |
| 22 42 13 16-0013 | EA | Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A) | 625.04 | 115.34 |
| 22 42 13 16-0014 | | **Floor Mounted Urinals** *(22 42 13 16-0001)* | | |
| 22 42 13 16-0015 | EA | Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™) | 988.45 | 145.51 |
| 22 42 13 16-0016 | EA | Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™) | 1,097.84 | 145.51 |
| 22 42 13 16-0017 | EA | Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931) | 311.71 | 26.95 |
| 22 42 13 16-0018 | EA | Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932) | 353.68 | 26.95 |
| 22 42 13 16-0019 | | **Waterfree Urinals** *(22 42 13 16-0001)* | | |
| 22 42 13 16-0020 | EA | Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free) | 647.21 | 80.85 |
| | | *For Colored Fixtures, Add* | *66.90* | |
| | | *For >1, Deduct* | *-43.06* | |
| 22 42 13 16-0021 | EA | Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000) | 1,246.05 | 80.85 |
| | | *For Colored Fixtures, Add* | *66.90* | |
| | | *For >1, Deduct* | *-111.33* | |
| 22 42 13 16-0022 | EA | Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000) | 1,072.61 | 80.85 |
| | | *For Colored Fixtures, Add* | *66.90* | |
| | | *For >1, Deduct* | *-91.56* | |
| 22 42 13 16-0023 | EA | Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000) | 821.69 | 80.85 |
| | | *For Colored Fixtures, Add* | *66.90* | |
| | | *For >1, Deduct* | *-62.95* | |
| 22 42 13 16-0024 | EA | Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000) | 821.69 | 80.85 |
| | | *For Colored Fixtures, Add* | *66.90* | |
| | | *For >1, Deduct* | *-62.95* | |
| 22 42 13 16-0025 | EA | Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000) | 1,019.03 | 80.85 |
| | | *For Colored Fixtures, Add* | *66.90* | |
| | | *For >1, Deduct* | *-85.45* | |
| 22 42 13 16-0026 | EA | Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000) | 1,546.22 | 80.85 |
| | | *For >1, Deduct* | *-145.55* | |
| 22 42 13 16-0027 | | **Stainless Steel Urinals** *(22 42 13 16)* | | |
| 22 42 13 16-0028 | EA | Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1) | 2,654.87 | 242.53 |
| 22 42 13 16-0029 | EA | 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C) | 3,430.07 | 296.43 |
| 22 42 13 16-0030 | | **Urinal Carriers** *(22 42 13 16)* | | |
| 22 42 13 16-0031 | | **Floor Mounted, Urinal Carriers** *(22 42 13 16-0030)* Note: Includes adjustable supporting rods, structural uprights and welded feet. | | |
| 22 42 13 16-0032 | EA | Floor Mounted Hanger Plate Type, Single Urinal Carrier | 597.71 | 40.96 |
| | | *For Up To 4" Extension Sleeves And Hardware, Add* | *33.74* | |
| 22 42 13 16-0033 | EA | Floor Mounted Bearing Plate Type, Single Urinal Carrier | 711.53 | 40.96 |
| | | *For Up To 4" Extension Sleeves And Hardware, Add* | *33.74* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 13 16-0034 | | **Wall Mounted, Urinal Carriers** *(22 42 13 16-0030)* Note: Includes wall plate and adjustable supporting rods. | | |
| 22 42 13 16-0035 | EA | Wall Mounted Hanger Plate Type, Single Urinal Carrier | 269.65 | 40.96 |
| | | *For Up To 6-1/2" Extension Sleeves And Hardware, Add* | *33.74* | |
| 22 42 13 16-0036 | | **Removal And Reinstallation Of Fixtures And Trim** *(22 42 13 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture. | | |
| 22 42 13 16-0037 | EA | Removal And Reinstallation Of Wall Hung Urinal With Flush Valve | 491.05 | |
| **22 42 16** | | **Commercial Lavatories and Sinks** *(22 42)* | | |
| **22 42 16 13** | | **Commercial Lavatories** *(22 42 16)* | | |
| 22 42 16 13-0001 | | **Lavatories** *(22 42 16 13)* Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets. | | |
| 22 42 16 13-0002 | | **Wall Hung Lavatories** *(22 42 16 13-0001)* | | |
| 22 42 16 13-0003 | EA | 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) | 565.40 | 72.22 |
| 22 42 16 13-0004 | EA | 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) | 592.21 | 72.22 |
| 22 42 16 13-0005 | EA | 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™) | 742.35 | 72.22 |
| 22 42 16 13-0006 | EA | 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™) | 516.53 | 72.22 |
| 22 42 16 13-0007 | EA | 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™) | 441.63 | 72.22 |
| 22 42 16 13-0008 | EA | 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®) | 564.96 | 72.22 |
| 22 42 16 13-0009 | EA | 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™) | 529.14 | 72.22 |
| 22 42 16 13-0010 | EA | 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™) | 463.71 | 72.22 |
| 22 42 16 13-0011 | EA | 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users) | 670.26 | 72.22 |
| 22 42 16 13-0012 | | **Countertop Lavatories** *(22 42 16 13-0001)* | | |
| 22 42 16 13-0013 | EA | 20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®) | 534.45 | 87.31 |
| 22 42 16 13-0014 | EA | 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval) | 546.71 | 87.31 |
| 22 42 16 13-0015 | EA | 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™) | 580.85 | 87.31 |
| 22 42 16 13-0016 | EA | 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™) | 617.26 | 87.31 |
| 22 42 16 13-0017 | EA | 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®) | 817.33 | 94.31 |
| 22 42 16 13-0018 | | **Undermount Lavatories** *(22 42 16 13-0001)* | | |
| 22 42 16 13-0019 | EA | 15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™) | 488.90 | 87.31 |
| 22 42 16 13-0020 | EA | 17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™) | 463.80 | 87.31 |
| 22 42 16 13-0021 | EA | 19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™) | 463.80 | 87.31 |
| 22 42 16 13-0022 | EA | 21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™) | 494.37 | 87.31 |
| 22 42 16 13-0023 | EA | 15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®) | 479.07 | 87.31 |
| 22 42 16 13-0024 | EA | 17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®) | 474.44 | 87.31 |
| 22 42 16 13-0025 | EA | 19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®) | 479.15 | 87.31 |
| 22 42 16 13-0026 | EA | 18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®) | 583.08 | 87.31 |
| 22 42 16 13-0027 | EA | 21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®) | 583.08 | 87.31 |
| 22 42 16 13-0028 | | **Pedestal Lavatories** *(22 42 16 13-0001)* | | |
| 22 42 16 13-0029 | EA | 19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™) | 654.62 | 207.49 |
| 22 42 16 13-0030 | | **Cultured Marble Vanity Tops** *(22 42 16 13-0001)* Note: Includes predrilled holes for faucet. | | |
| 22 42 16 13-0031 | EA | 25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink | 356.49 | 80.85 |
| 22 42 16 13-0032 | EA | 31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink | 405.16 | 86.23 |
| 22 42 16 13-0033 | EA | 37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink | 492.26 | 91.62 |
| 22 42 16 13-0034 | EA | 49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink | 681.61 | 97.01 |
| 22 42 16 13-0035 | EA | 25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink | 384.41 | 80.85 |
| 22 42 16 13-0036 | EA | 31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink | 413.03 | 86.23 |
| 22 42 16 13-0037 | EA | 37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink | 538.71 | 91.62 |
| 22 42 16 13-0038 | EA | 43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink | 588.81 | 94.31 |
| 22 42 16 13-0039 | EA | 49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink | 661.97 | 97.01 |
| 22 42 16 13-0040 | | **Quartz Vanity Tops** *(22 42 16 13-0001)* Note: Includes predrilled holes for faucet. | | |
| 22 42 16 13-0041 | EA | 25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink | 794.35 | 80.85 |
| 22 42 16 13-0042 | EA | 31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink | 829.64 | 86.23 |
| 22 42 16 13-0043 | EA | 37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink | 957.04 | 91.62 |
| 22 42 16 13-0044 | EA | 43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink | 964.10 | 94.31 |
| 22 42 16 13-0045 | EA | 49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink | 1,054.20 | 97.01 |
| 22 42 16 13-0046 | EA | 61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks | 1,419.57 | 102.40 |
| 22 42 16 13-0047 | EA | 73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks | 1,679.97 | 107.77 |
| 22 42 16 13-0048 | EA | 22" End Splash For Quartz Vanity Tops | 46.57 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 42 16 13-0049** | | **Solid Surface Vanity Tops** *(22 42 16 13-0001)*<br>Note: Includes predrilled holes for faucet. | | |
| 22 42 16 13-0050 | EA | 25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink | 662.28 | 80.85 |
| 22 42 16 13-0051 | EA | 31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink | 746.43 | 86.23 |
| 22 42 16 13-0052 | EA | 37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink | 841.91 | 91.62 |
| 22 42 16 13-0053 | EA | 43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink | 929.15 | 94.31 |
| 22 42 16 13-0054 | EA | 49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink | 1,008.90 | 97.01 |
| 22 42 16 13-0055 | EA | 55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink | 1,114.05 | 99.70 |
| 22 42 16 13-0056 | EA | 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink | 1,243.08 | 102.40 |
| 22 42 16 13-0057 | EA | 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks | 1,275.15 | 102.40 |
| 22 42 16 13-0058 | EA | 73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks | 1,378.13 | 107.77 |
| 22 42 16 13-0059 | EA | 22" End Splash For Solid Surface Vanity Tops | 69.08 | |
| **22 42 16 13-0060** | | **Solid Surface Multi-Station Lavatory Systems** *(22 42 16 13-0001)*<br>Note: ADA compliant. Includes integral faucets. | | |
| 22 42 16 13-0061 | EA | 2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2) | 6,989.78 | 156.10 |
| | | *For Integral Liquid Soap Dispenser, Add* | *171.00* | |
| | | *For Integral Photovoltaic Power Panels, Add* | *563.00* | |
| 22 42 16 13-0062 | EA | 3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3) | 10,267.38 | 156.10 |
| | | *For Integral Liquid Soap Dispenser, Add* | *171.00* | |
| | | *For Integral Photovoltaic Power Panels, Add* | *657.00* | |
| 22 42 16 13-0063 | EA | 12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12) | 465.85 | 52.03 |
| 22 42 16 13-0064 | EA | 18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18) | 580.23 | 52.03 |
| 22 42 16 13-0065 | EA | 36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36) | 1,162.80 | 52.03 |
| **22 42 16 13-0066** | | **Stainless Steel Lavatories** *(22 42 16 13-0001)* | | |
| 22 42 16 13-0067 | EA | 18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1) | 1,401.44 | 188.64 |
| **22 42 16 13-0068** | | **Lavatory Carriers** *(22 42 16 13)* | | |
| **22 42 16 13-0069** | | **Floor Mounted, Lavatory Carriers** *(22 42 16 13-0068)* | | |
| **22 42 16 13-0070** | | **Floor Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0069)*<br>Note: Includes adjustable supporting rods, structural uprights and welded feet. | | |
| 22 42 16 13-0071 | EA | Floor Mounted Hanger Plate Type, Single Lavatory Carrier | 597.71 | 40.96 |
| | | *For Up To 4" Extension Sleeves And Hardware, Add* | *33.74* | |
| | | *For Valve Plate For Attaching To Upright, Add* | *115.33* | |
| | | *For Corner Carrier, Add* | *224.26* | |
| 22 42 16 13-0072 | EA | Floor Mounted Bearing Plate Type, Single Lavatory Carrier | 711.53 | 40.96 |
| | | *For Up To 4" Extension Sleeves And Hardware, Add* | *33.74* | |
| | | *For Valve Plate For Attaching To Upright, Add* | *115.33* | |
| 22 42 16 13-0073 | EA | Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier | 819.19 | 40.96 |
| | | *For Up To 4" Extension Sleeves And Hardware, Add* | *67.48* | |
| | | *For Valve Plate For Attaching To Upright, Add* | *230.67* | |
| 22 42 16 13-0074 | EA | Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier | 942.92 | 40.96 |
| | | *For Up To 4" Extension Sleeves And Hardware, Add* | *67.48* | |
| | | *For Valve Plate For Attaching To Upright, Add* | *230.67* | |
| **22 42 16 13-0075** | | **Floor Mounted, Lavatory Carriers With Arms** *(22 42 16 13-0069)*<br>Note: Includes leveling and securing screws, structural uprights and welded feet. | | |
| 22 42 16 13-0076 | EA | Floor Mounted, Single Lavatory Carrier With Concealed Arms | 771.04 | 48.50 |
| | | *For Up To 6-1/2" Extension Sleeves And Hardware, Add* | *33.74* | |
| | | *For Concealed Arm Carrier For Wheelchair Lavatory, Add* | *46.60* | |
| | | *For Valve Plate For Attaching To Upright, Add* | *117.49* | |
| | | *For 2" Chrome Plated Escutcheons, Add* | *114.08* | |
| | | *For 4" Or 6" Chrome Plated Escutcheons, Add* | *207.28* | |
| 22 42 16 13-0077 | EA | Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms | 1,136.40 | 48.50 |
| | | *For Up To 4-1/2" Extension Sleeves And Hardware, Add* | *33.74* | |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| | | *For Valve Plate For Attaching To Upright, Add* | *117.49* | |
| | | *For Heavy-Duty Carrier, Add* | *117.29* | |
| 22 42 16 13-0078 | EA | Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms | 1,035.56 | 48.50 |
| | | *For Up To 6-1/2" Extension Sleeves And Hardware, Add* | *67.48* | |
| | | *For Concealed Arm Carrier For Wheelchair Lavatory, Add* | *93.21* | |
| | | *For Valve Plate For Attaching To Upright, Add* | *234.98* | |
| | | *For 2" Chrome Plated Escutcheons, Add* | *228.16* | |
| | | *For 4" Or 6" Chrome Plated Escutcheons, Add* | *414.56* | |
| 22 42 16 13-0079 | EA | Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms | 1,700.40 | 48.50 |
| | | *For Up To 4-1/2" Extension Sleeves And Hardware, Add* | *67.48* | |
| | | *For Vandal Proof Trim, Add* | *183.20* | |
| | | *For Valve Plate For Attaching To Upright, Add* | *234.98* | |
| | | *For Heavy-Duty Carrier, Add* | *234.59* | |
| **22 42 16 13-0080** | | **Wall Mounted, Lavatory Carriers** *(22 42 16 13-0068)* | | |
| **22 42 16 13-0081** | | **Wall Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0080)*<br>Note: Includes wall plate and adjustable supporting rods. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 16 13-0082 | EA | Wall Mounted Hanger Plate Type, Single Lavatory Carrier | 269.65 | 40.96 |
| | | *For Double Plate Carrier, Add* | *86.24* | |
| 22 42 16 13-0083 | | **Wall Mounted Plate Type, Lavatory Carriers With Arms** *(22 42 16 13-0080)* | | |
| | | Note: Includes wall plate and leveling and securing screws. | | |
| 22 42 16 13-0084 | EA | Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms | 466.35 | 48.50 |
| | | *For Up To 4" Extension Sleeves And Hardware, Add* | *33.74* | |
| | | *For 2" Chrome Plated Escutcheons, Add* | *114.08* | |
| 22 42 16 13-0085 | EA | Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms | 556.34 | 48.50 |
| | | *For Movable Mounting Brackets, Deduct* | *-86.76* | |
| | | *For Up To 4" Extension Sleeves And Hardware, Add* | *33.74* | |
| | | *For 2" Chrome Plated Escutcheons, Add* | *114.08* | |
| | | *For 4" Or 6" Chrome Plated Escutcheons, Add* | *207.28* | |
| 22 42 16 13-0086 | EA | Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms | 834.32 | 48.50 |
| | | *For Up To 4-1/2" Extension Sleeves And Hardware, Add* | *33.74* | |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| 22 42 16 13-0087 | | **Removal And Reinstallation Of Lavatory And Trim** *(22 42 16 13)* | | |
| | | Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture. | | |
| 22 42 16 13-0088 | EA | Removal And Reinstallation Of Wall Hung Lavatory With Faucet | 317.04 | |
| **22 42 16 16** | | **Commercial Sinks** *(22 42 16)* | | |
| 22 42 16 16-0001 | | **Sinks** *(22 42 16 16)* | | |
| | | Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets. | | |
| 22 42 16 16-0002 | | **Kitchen Sinks** *(22 42 16 16-0001)* | | |
| 22 42 16 16-0003 | EA | 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®) | 701.46 | 101.32 |
| 22 42 16 16-0004 | EA | 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®) | 913.29 | 115.34 |
| 22 42 16 16-0005 | EA | 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517) | 895.67 | 99.17 |
| | | *For 18 Gauge, Add* | *245.73* | |
| 22 42 16 16-0006 | EA | 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722) | 919.50 | 99.17 |
| | | *For 18 Gauge, Add* | *257.64* | |
| 22 42 16 16-0007 | EA | 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222) | 973.09 | 99.17 |
| | | *For 18 Gauge, Add* | *284.44* | |
| 22 42 16 16-0008 | EA | 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522) | 1,021.76 | 101.32 |
| | | *For 18 Gauge, Add* | *302.31* | |
| 22 42 16 16-0009 | EA | 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122) | 1,297.15 | 115.34 |
| | | *For 18 Gauge, Add* | *419.43* | |
| 22 42 16 16-0010 | EA | 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321) | 1,325.89 | 115.34 |
| | | *For 18 Gauge, Add* | *433.61* | |
| 22 42 16 16-0011 | EA | 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710) | 1,281.78 | 99.17 |
| 22 42 16 16-0012 | EA | 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210) | 1,308.58 | 99.17 |
| 22 42 16 16-0013 | EA | 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210) | 1,376.08 | 99.17 |
| 22 42 16 16-0014 | EA | 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210) | 1,467.42 | 101.32 |
| 22 42 16 16-0015 | EA | 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210) | 1,782.52 | 115.34 |
| 22 42 16 16-0016 | EA | 33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322) | 1,706.04 | 115.34 |
| 22 42 16 16-0017 | | **Undermount Kitchen Sinks** *(22 42 16 16-0001)* | | |
| 22 42 16 16-0018 | EA | 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99) | 1,138.77 | 99.17 |
| 22 42 16 16-0019 | EA | 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99) | 1,135.88 | 99.17 |
| 22 42 16 16-0020 | EA | 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99) | 1,148.70 | 99.17 |
| 22 42 16 16-0021 | EA | 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99) | 1,216.19 | 99.17 |
| 22 42 16 16-0022 | EA | 21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99) | 1,173.51 | 99.17 |
| | | Note: Available in 4-1/2", 5, or 5-1/2" depths. | | |
| 22 42 16 16-0023 | EA | 25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99) | 1,346.50 | 99.17 |
| 22 42 16 16-0024 | EA | 32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99) | 1,605.14 | 99.17 |
| 22 42 16 16-0025 | EA | 21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A) | 923.70 | 99.17 |
| 22 42 16 16-0026 | EA | 32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A) | 1,214.10 | 99.17 |
| 22 42 16 16-0027 | | **Multi-Station Wash Sink, Wall Mounted** *(22 42 16 16-0001)* | | |
| | | Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets. | | |
| 22 42 16 16-0028 | EA | 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) | 1,912.53 | 175.16 |
| | | Note: Excludes faucets. | | |
| 22 42 16 16-0029 | EA | 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) | 2,537.40 | 188.64 |
| | | Note: Excludes faucets. | | |
| 22 42 16 16-0030 | EA | 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) | 2,911.33 | 202.10 |
| | | Note: Excludes faucets. | | |
| 22 42 16 16-0031 | EA | 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) | 2,389.56 | 134.74 |
| | | Note: Excludes faucets. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 16 16-0032 | EA | 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)<br>Note: Excludes faucets. | 2,655.89 | 148.21 |
| 22 42 16 16-0033 | EA | 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)<br>Note: Excludes faucets. | 2,916.89 | 161.69 |
| 22 42 16 16-0034 | EA | 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)<br>Note: Excludes faucets. | 3,239.51 | 181.90 |
| 22 42 16 16-0035 | EA | 27" Diameter 2 Person Wash Fountain, Stainless Steel, Sensor Operated | 3,148.25 | 296.43 |
| **22 42 16 16-0036** | | **Utility Or Laundry Sinks** *(22 42 16 16-0001)* | | |
| 22 42 16 16-0037 | EA | 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1) | 643.71 | 115.34 |
| 22 42 16 16-0038 | EA | 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II) | 741.38 | 115.34 |
| 22 42 16 16-0039 | EA | 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1) | 641.77 | 115.34 |
| 22 42 16 16-0040 | EA | 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210) | 986.98 | 115.34 |
| 22 42 16 16-0041 | EA | 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220) | 1,404.85 | 129.35 |
| **22 42 16 16-0042** | | **Refinish Sink/Lavatory** *(22 42 16 16-0001)* | | |
| 22 42 16 16-0043 | EA | Refinish Sink/Lavatory | 248.33 | |
| **22 42 16 16-0044** | | **Service Sinks** *(22 42 16 16-0001)* | | |
| 22 42 16 16-0045 | EA | 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™) | 1,089.89 | 173.55 |
| 22 42 16 16-0046 | EA | 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™) | 1,143.17 | 173.55 |
| 22 42 16 16-0047 | EA | 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™) | 1,358.94 | 229.59 |
| 22 42 16 16-0048 | EA | 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F) | 550.04 | 161.69 |
| 22 42 16 16-0049 | EA | 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424) | 635.10 | 161.69 |
| 22 42 16 16-0050 | EA | 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624) | 704.56 | 194.02 |
| 22 42 16 16-0051 | EA | 24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010) | 613.84 | 161.69 |
| 22 42 16 16-0052 | EA | 36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010) | 698.62 | 194.02 |
| 22 42 16 16-0053 | EA | 24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24) | 1,004.39 | 161.69 |
| 22 42 16 16-0054 | EA | 36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624) | 1,240.59 | 194.02 |
| **22 42 16 16-0055** | | **Soapstone Sinks** *(22 42 16 16-0001)* | | |
| 22 42 16 16-0056 | EA | 26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink | 1,090.81 | 99.17 |
| 22 42 16 16-0057 | SF | Soapstone Sink Backsplash | 171.85 | |
| 22 42 16 16-0058 | EA | 30" x 18-1/2" x 10" Single Bowl Soapstone Sink | 1,388.48 | 115.34 |
| 22 42 16 16-0059 | EA | 36" x 18-1/2" x 10" Double Bowl Soapstone Sink | 1,622.84 | 115.34 |
| **22 42 16 16-0060** | | **Stainless Steel Sink And Drainboard** *(22 42 16 16-0001)* | | |
| 22 42 16 16-0061 | EA | Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drain Board, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L) | 4,399.81 | 269.48 |
| **22 42 16 16-0062** | | **Sink Carriers** *(22 42 16 16)* | | |
| **22 42 16 16-0063** | | **Floor Mounted, Sink Carriers** *(22 42 16 16-0062)*<br>Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim. | | |
| 22 42 16 16-0064 | EA | Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling | 879.58 | 40.96 |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| | | *For Valve Plate For Attaching To Upright, Add* | *115.33* | |
| 22 42 16 16-0065 | EA | Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting | 1,514.94 | 40.96 |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| | | *For Auxiliary Vent, Add* | *268.00* | |
| 22 42 16 16-0066 | EA | Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms | 1,907.03 | 40.96 |
| | | *For Up To 4" Extension Sleeves And Hardware, Add* | *69.09* | |
| | | *For Vandal Proof Trim, Add* | *91.60* | |
| **22 42 16 16-0067** | | **Removal And Reinstallation Of Sink And Trim** *(22 42 16 16)*<br>Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture. | | |
| 22 42 16 16-0068 | EA | Removal And Reinstallation Of Wall Hung Service Sink With Faucet | 434.64 | |
| **22 42 19** | | **Commercial Bathtubs** *(22 42)* | | |
| **22 42 19 00-0001** | | **Recessed Alcove Bathtubs** *(22 42 19)* | | |
| **22 42 19 00-0002** | | **Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs** *(22 42 19 00-0001)* | | |
| 22 42 19 00-0003 | EA | 54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™) | 1,504.09 | 299.66 |
| 22 42 19 00-0004 | EA | 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®) | 1,294.29 | 299.66 |
| 22 42 19 00-0005 | EA | 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®) | 1,509.36 | 299.66 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 19 00-0006 | EA | 66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®) | 1,931.31 | 299.66 |
| **22 42 19 00-0007** | | **Porcelain Enameled Steel, Recessed Alcove Bathtubs** *(22 42 19 00-0001)* | | |
| 22 42 19 00-0008 | EA | 60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®) | 688.19 | 299.66 |
| 22 42 19 00-0009 | EA | 60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®) | 703.21 | 299.66 |
| **22 42 19 00-0010** | | **Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs** *(22 42 19 00-0001)* | | |
| 22 42 19 00-0011 | EA | 60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™) | 998.98 | 299.66 |
| **22 42 19 00-0012** | | **Acrylic, Recessed Alcove Bathtubs** *(22 42 19 00-0001)* | | |
| 22 42 19 00-0013 | EA | 60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®) | 1,054.48 | 299.66 |
| 22 42 19 00-0014 | EA | 60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®) | 1,209.03 | 299.66 |
| 22 42 19 00-0015 | EA | 66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®) | 1,232.49 | 299.66 |
| 22 42 19 00-0016 | EA | 72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®) | 1,218.07 | 299.66 |
| 22 42 19 00-0017 | EA | 72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®) | 1,269.94 | 299.66 |
| **22 42 19 00-0018** | | **Bathtub Refinishing** *(22 42 19 00-0001)* | | |
| 22 42 19 00-0019 | EA | Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel | 642.50 | |
| **22 42 19 00-0020** | | **Tub And Shower Combinations** *(22 42 19)* | | |
| **22 42 19 00-0021** | | **Acrylic Tub And Shower Combination** *(22 42 19 00-0020)* | | |
| 22 42 19 00-0022 | EA | 1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032) | 1,317.15 | 112.39 |
| | | *For 2 Piece Enclosure, Deduct* | *-285.98* | |
| **22 42 19 00-0023** | | **Fiberglass Tub And Shower Combination** *(22 42 19 00-0020)* | | |
| 22 42 19 00-0024 | EA | 1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG) | 864.31 | 112.39 |
| 22 42 19 00-0025 | EA | 2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P) | 680.94 | 74.93 |
| 22 42 19 00-0026 | EA | 4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P) | 1,366.41 | 169.63 |
| 22 42 19 00-0027 | EA | 3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872) | 3,567.33 | 351.18 |
| | | *For 2 Piece Enclosure, Deduct* | *-740.07* | |
| **22 42 23** | | **Commercial Showers** *(22 42)* | | |
| **22 42 23 00-0001** | | **Shower Enclosures** *(22 42 23)* | | |
| | | Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain. | | |
| **22 42 23 00-0002** | | **Powder Coated Or Baked Enamel Steel Shower Enclosure** *(22 42 23 00-0001)* | | |
| 22 42 23 00-0003 | EA | 32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions) | 1,775.83 | 173.86 |
| 22 42 23 00-0004 | EA | 36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions) | 1,775.83 | 173.86 |
| 22 42 23 00-0005 | EA | 40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions) | 2,689.83 | 173.86 |
| 22 42 23 00-0006 | EA | 40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions) | 2,961.17 | 173.86 |
| **22 42 23 00-0007** | | **Solid Plastic Core High-Density Polymer (HDP) Shower Enclosure** *(22 42 23 00-0001)* | | |
| 22 42 23 00-0008 | EA | 32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions) | 2,932.61 | 173.86 |
| 22 42 23 00-0009 | EA | 36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions) | 2,932.61 | 173.86 |
| 22 42 23 00-0010 | EA | 40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions) | 4,217.92 | 173.86 |
| 22 42 23 00-0011 | EA | 40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions) | 4,717.76 | 173.86 |
| **22 42 23 00-0012** | | **Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down** *(22 42 23 00-0001)* | | |
| 22 42 23 00-0013 | EA | 32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS) | 1,484.65 | 173.86 |
| 22 42 23 00-0014 | EA | 36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS) | 1,526.83 | 173.86 |
| 22 42 23 00-0015 | EA | 34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS) | 1,569.02 | 173.86 |
| 22 42 23 00-0016 | EA | 30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL) | 1,653.39 | 173.86 |
| 22 42 23 00-0017 | EA | 34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS) | 1,765.19 | 173.86 |
| **22 42 23 00-0018** | | **1 Piece Shower Units** *(22 42 23)* | | |
| 22 42 23 00-0019 | EA | 1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232) | 1,274.55 | 112.39 |
| 22 42 23 00-0020 | EA | 1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636) | 1,429.45 | 112.39 |
| **22 42 23 00-0021** | | **Personnel Type Shower Receptors** *(22 42 23)* | | |
| **22 42 23 00-0022** | | **Acrylic Shower Receptors** *(22 42 23 00-0021)* | | |
| 22 42 23 00-0023 | EA | 36" x 36" Acrylic Shower Receptor | 462.96 | 43.90 |
| 22 42 23 00-0024 | EA | 42" x 42" Acrylic Shower Receptor | 489.37 | 43.90 |
| 22 42 23 00-0025 | EA | 48" x 48" Acrylic Shower Receptor | 542.10 | 43.90 |
| 22 42 23 00-0026 | EA | 60" x 60" Acrylic Shower Receptor | 659.29 | 52.68 |
| 22 42 23 00-0027 | EA | 48" x 32" Acrylic Shower Receptor | 464.20 | 43.90 |
| 22 42 23 00-0028 | EA | 48" x 36" Acrylic Shower Receptor | 498.93 | 43.90 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 23 00-0029 | EA | 48" x 42" Acrylic Shower Receptor | 563.54 | 43.90 |
| 22 42 23 00-0030 | EA | 60" x 32" Acrylic Shower Receptor | 626.42 | 52.68 |
| 22 42 23 00-0031 | EA | 60" x 36" Acrylic Shower Receptor | 630.89 | 52.68 |
| 22 42 23 00-0032 | EA | 60" x 42" Acrylic Shower Receptor | 634.99 | 52.68 |
| 22 42 23 00-0033 | EA | 60" x 48" Acrylic Shower Receptor | 699.19 | 52.68 |
| 22 42 23 00-0034 | EA | 36" x 36" Acrylic Corner Shower Receptor | 674.63 | 43.90 |
| 22 42 23 00-0035 | EA | 42" x 42" Acrylic Corner Shower Receptor | 774.30 | 43.90 |
| 22 42 23 00-0036 | | Molded Stone Shower Receptors *(22 42 23 00-0021)* | | |
| 22 42 23 00-0037 | EA | 32" x 32" Molded Stone Shower Receptor (Fiat 32WL) | 309.40 | 43.90 |
| 22 42 23 00-0038 | EA | 34" x 34" Molded Stone Shower Receptor (Fiat 34WL) | 324.30 | 43.90 |
| 22 42 23 00-0039 | EA | 36" x 36" Molded Stone Shower Receptor (Fiat 36WL) | 325.96 | 43.90 |
| 22 42 23 00-0040 | EA | 42" x 42" Molded Stone Shower Receptor (Fiat 4242WL) | 399.63 | 43.90 |
| 22 42 23 00-0041 | EA | 42" x 34" Molded Stone Shower Receptor (Fiat 42WL) | 354.93 | 43.90 |
| 22 42 23 00-0042 | EA | 48" x 32" Molded Stone Shower Receptor (Fiat 4832WL) | 375.63 | 43.90 |
| 22 42 23 00-0043 | EA | 48" x 34" Molded Stone Shower Receptor (Fiat 48WL) | 378.11 | 43.90 |
| 22 42 23 00-0044 | EA | 54" x 34" Molded Stone Shower Receptor (Fiat 54WL) | 438.01 | 52.68 |
| 22 42 23 00-0045 | EA | 60" x 34" Molded Stone Shower Receptor (Fiat 60WL) | 453.74 | 52.68 |
| 22 42 23 00-0046 | EA | 36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC) | 359.07 | 43.90 |
| 22 42 23 00-0047 | EA | 38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC) | 368.18 | 43.90 |
| 22 42 23 00-0048 | | Precast Terrazzo Shower Receptors *(22 42 23 00-0021)* | | |
| 22 42 23 00-0049 | EA | 30" x 30" Precast Terrazzo Shower Receptor | 579.27 | 43.90 |
| 22 42 23 00-0050 | EA | 32" x 32" Precast Terrazzo Shower Receptor | 601.62 | 43.90 |
| 22 42 23 00-0051 | EA | 34" x 34" Precast Terrazzo Shower Receptor | 622.32 | 43.90 |
| 22 42 23 00-0052 | EA | 36" x 36" Precast Terrazzo Shower Receptor | 624.80 | 43.90 |
| 22 42 23 00-0053 | EA | 40" x 40" Precast Terrazzo Shower Receptor | 683.58 | 43.90 |
| 22 42 23 00-0054 | EA | 42" x 42" Precast Terrazzo Shower Receptor | 713.38 | 43.90 |
| 22 42 23 00-0055 | EA | 48" x 48" Precast Terrazzo Shower Receptor | 1,001.46 | 43.90 |
| 22 42 23 00-0056 | EA | 36" x 32" Precast Terrazzo Shower Receptor | 617.35 | 43.90 |
| 22 42 23 00-0057 | EA | 42" x 32" Precast Terrazzo Shower Receptor | 629.22 | 43.90 |
| 22 42 23 00-0058 | EA | 42" x 34" Precast Terrazzo Shower Receptor | 650.46 | 43.90 |
| 22 42 23 00-0059 | EA | 42" x 36" Precast Terrazzo Shower Receptor | 676.95 | 43.90 |
| 22 42 23 00-0060 | EA | 32" x 48" Precast Terrazzo Shower Receptor | 679.44 | 43.90 |
| 22 42 23 00-0061 | EA | 48" x 34" Precast Terrazzo Shower Receptor | 713.38 | 43.90 |
| 22 42 23 00-0062 | EA | 54" x 32" Precast Terrazzo Shower Receptor | 747.32 | 43.90 |
| 22 42 23 00-0063 | EA | 60" x 30" Precast Terrazzo Shower Receptor | 1,009.73 | 52.68 |
| 22 42 23 00-0064 | EA | 60" x 32" Precast Terrazzo Shower Receptor | 1,103.66 | 52.68 |
| 22 42 23 00-0065 | EA | 60" x 34" Precast Terrazzo Shower Receptor | 1,108.27 | 52.68 |
| 22 42 23 00-0066 | EA | 60" x 36" Precast Terrazzo Shower Receptor | 1,112.85 | 52.68 |
| 22 42 23 00-0067 | EA | 32" x 32" Precast Terrazzo Corner Shower Receptor | 628.11 | 43.90 |
| 22 42 23 00-0068 | EA | 34" x 34" Precast Terrazzo Corner Shower Receptor | 629.22 | 43.90 |
| 22 42 23 00-0069 | EA | 36" x 36" Precast Terrazzo Corner Shower Receptor | 631.42 | 43.90 |
| 22 42 23 00-0070 | EA | 40" x 40" Precast Terrazzo Corner Shower Receptor | 756.42 | 43.90 |
| 22 42 23 00-0071 | EA | 36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor | 1,373.15 | 43.90 |
| 22 42 23 00-0072 | EA | 60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor | 1,529.08 | 52.68 |
| 22 42 23 00-0073 | EA | 60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor | 1,593.65 | 52.68 |
| 22 42 23 00-0074 | | Shower Receptors Accessories *(22 42 23 00-0021)* | | |
| 22 42 23 00-0075 | SF | Polyvinyl Chloride (PVC) Shower Pan Liner | 3.90 | |
| 22 42 23 00-0076 | | Removal And Reinstallation Of Fixtures And Trim *(22 42 23)* | | |
| | | Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture. | | |
| 22 42 23 00-0077 | EA | Removal And Reinstallation Of Shower Head | 52.68 | |
| 22 42 23 00-0078 | | Removal Of Tile Shower Floor With Lead Liner Pan *(22 42 23)* | | |
| | | See CSI section 01 74 19 00-0036 for landfill dump fee. | | |
| 22 42 23 00-0079 | SF | Removal Of Tile Shower Floor With Lead Liner Pan | 0.00 | 4.16 |

## 22 42 26 Commercial Disposers *(22 42)*

See CSI section 22 41 26 00-0001 for disposals.

## 22 42 33 Wash Fountains *(22 42)*

| | | | | |
|---|---|---|---|---|
| 22 42 33 00-0001 | | Circular Wash Fountain, Deep Bowl *(22 42 33)* | | |
| | | Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated. | | |
| 22 42 33 00-0002 | EA | 36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD) | 9,712.84 | 182.12 |
| | | *For Metal Soap Dispenser, Add* | *100.00* | |
| | | *For Stainless Steel Pedestal Panels, Add* | *100.00* | |
| 22 42 33 00-0003 | EA | 36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD) | 4,999.17 | 182.12 |
| | | *For Metal Soap Dispenser, Add* | *100.00* | |
| | | *For Stainless Steel Pedestal Panels, Add* | *100.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 33 00-0004 | EA | 36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE) | 8,628.61 | 182.12 |
| | | *For Metal Soap Dispenser, Add* | *100.00* | |
| | | *For Stainless Steel Pedestal Panels, Add* | *100.00* | |
| 22 42 33 00-0005 | EA | 54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD) | 12,384.82 | 208.13 |
| | | *For Metal Soap Dispenser, Add* | *100.00* | |
| | | *For Stainless Steel Pedestal Panels, Add* | *100.00* | |
| 22 42 33 00-0006 | EA | 54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD) | 5,767.48 | 208.13 |
| | | *For Metal Soap Dispenser, Add* | *100.00* | |
| | | *For Stainless Steel Pedestal Panels, Add* | *100.00* | |
| 22 42 33 00-0007 | EA | 54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE) | 10,335.76 | 208.13 |
| | | *For Metal Soap Dispenser, Add* | *100.00* | |
| | | *For Stainless Steel Pedestal Panels, Add* | *100.00* | |

### 22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

| | | | | |
|---|---|---|---|---|
| 22 42 33 00-0009 | EA | 36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD) | 8,475.04 | 156.10 |
| | | *For Metal Soap Dispenser, Add* | *100.00* | |
| | | *For Stainless Steel Pedestal Panels, Add* | *100.00* | |
| 22 42 33 00-0010 | EA | 36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD) | 4,561.23 | 156.10 |
| | | *For Metal Soap Dispenser, Add* | *100.00* | |
| | | *For Stainless Steel Pedestal Panels, Add* | *100.00* | |
| 22 42 33 00-0011 | EA | 36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE) | 6,547.58 | 156.10 |
| | | *For Metal Soap Dispenser, Add* | *100.00* | |
| | | *For Stainless Steel Pedestal Panels, Add* | *100.00* | |
| 22 42 33 00-0012 | EA | 54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD) | 10,401.48 | 182.12 |
| | | *For Metal Soap Dispenser, Add* | *100.00* | |
| | | *For Stainless Steel Pedestal Panels, Add* | *100.00* | |
| 22 42 33 00-0013 | EA | 54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD) | 5,502.01 | 182.12 |
| | | *For Metal Soap Dispenser, Add* | *100.00* | |
| | | *For Stainless Steel Pedestal Panels, Add* | *100.00* | |
| 22 42 33 00-0014 | EA | 54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE) | 7,787.83 | 182.12 |
| | | *For Metal Soap Dispenser, Add* | *100.00* | |
| | | *For Stainless Steel Pedestal Panels, Add* | *100.00* | |

## 22 42 39 Commercial Faucets, Supplies, and Trim *(22 42)*

### 22 42 39 00-0001 Kitchen Faucets *(22 42 39)*

| | | | | |
|---|---|---|---|---|
| 22 42 39 00-0002 | EA | Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST) | 223.13 | 53.90 |
| 22 42 39 00-0003 | EA | Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST) | 252.87 | 53.90 |
| 22 42 39 00-0004 | EA | Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST) | 213.41 | 53.90 |
| 22 42 39 00-0005 | EA | Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST) | 241.21 | 53.90 |
| 22 42 39 00-0006 | EA | Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24) | 207.41 | 53.90 |
| 22 42 39 00-0007 | EA | Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24) | 228.37 | 53.90 |
| 22 42 39 00-0008 | EA | Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF) | 298.98 | 53.90 |
| 22 42 39 00-0009 | EA | Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF) | 210.37 | 53.90 |
| 22 42 39 00-0010 | EA | Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF) | 202.44 | 53.90 |
| 22 42 39 00-0011 | EA | Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF) | 241.21 | 53.90 |
| 22 42 39 00-0012 | EA | Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24) | 420.82 | 53.90 |
| 22 42 39 00-0013 | EA | Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24) | 462.46 | 53.90 |
| 22 42 39 00-0014 | EA | Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP) | 434.47 | 58.53 |
| 22 42 39 00-0015 | EA | Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP) | 432.44 | 58.53 |
| 22 42 39 00-0016 | EA | Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP) | 320.40 | 58.53 |
| 22 42 39 00-0017 | EA | Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR) | 753.14 | 53.90 |
| 22 42 39 00-0018 | EA | Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK) | 955.21 | 53.90 |
| 22 42 39 00-0019 | EA | Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB) | 1,022.57 | 53.90 |
| 22 42 39 00-0020 | EA | Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR) | 753.14 | 53.90 |
| 22 42 39 00-0021 | EA | Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK) | 955.21 | 53.90 |
| 22 42 39 00-0022 | EA | Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB) | 1,022.57 | 53.90 |

### 22 42 39 00-0023 Lavatory Faucets *(22 42 39)*

| | | | | |
|---|---|---|---|---|
| 22 42 39 00-0024 | EA | Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST) | 275.21 | 38.80 |
| 22 42 39 00-0025 | EA | 4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF) | 189.18 | 38.80 |
| 22 42 39 00-0026 | EA | 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU) | 236.24 | 38.80 |
| 22 42 39 00-0027 | EA | 4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM) | 259.71 | 38.80 |
| 22 42 39 00-0028 | EA | Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU) | 320.32 | 38.80 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 39 00-0029 | EA | Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF) | 374.15 | 38.80 |
| 22 42 39 00-0030 | EA | Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104) | 226.12 | 38.80 |
| 22 42 39 00-0031 | EA | Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002) | 347.29 | 38.80 |
| 22 42 39 00-0032 | EA | Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665) | 248.63 | 38.80 |
| 22 42 39 00-0033 | EA | 3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710) | 254.53 | 38.80 |
| 22 42 39 00-0034 | EA | 3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712) | 308.59 | 38.80 |
| 22 42 39 00-0035 | EA | 4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805) | 302.20 | 38.80 |
| 22 42 39 00-0036 | EA | 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104) | 245.81 | 38.80 |
| **22 42 39 00-0037** | | **Bath And Shower Faucets** *(22 42 39)* | | |
| **22 42 39 00-0038** | | **Bath And Shower Faucets With Valve Body** *(22 42 39 00-0037)* | | |
| 22 42 39 00-0039 | EA | Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500) | 253.30 | 46.78 |
| 22 42 39 00-0040 | EA | Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501) | 297.69 | 46.78 |
| 22 42 39 00-0041 | EA | Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502) | 326.14 | 46.78 |
| 22 42 39 00-0042 | EA | Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505) | 233.96 | 46.78 |
| | | *For Faucet With Metal Cross Handles, Add* | *45.75* | |
| 22 42 39 00-0043 | EA | Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501) | 245.34 | 46.78 |
| | | *For Faucet With Metal Cross Handles, Add* | *45.75* | |
| 22 42 39 00-0044 | EA | Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502) | 278.34 | 46.78 |
| | | *For Faucet With Metal Cross Handles, Add* | *45.75* | |
| 22 42 39 00-0045 | EA | Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502) | 315.90 | 46.78 |
| | | *For Faucet With Metal Cross Handles, Add* | *45.75* | |
| **22 42 39 00-0046** | | **Service Sink Faucets** *(22 42 39)* | | |
| 22 42 39 00-0047 | EA | 4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™) | 547.19 | 89.74 |
| 22 42 39 00-0048 | EA | 3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235) | 388.54 | 89.74 |
| 22 42 39 00-0049 | EA | 3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243) | 419.26 | 89.74 |
| 22 42 39 00-0050 | EA | 6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012) | 435.20 | 89.74 |
| 22 42 39 00-0051 | EA | 7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101) | 567.63 | 125.79 |
| 22 42 39 00-0052 | EA | 7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110) | 635.54 | 143.36 |
| 22 42 39 00-0053 | EA | 11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115) | 735.69 | 143.36 |
| 22 42 39 00-0054 | EA | Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF) | 431.84 | 89.74 |
| 22 42 39 00-0055 | EA | 44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB) | 886.83 | 143.36 |
| **22 42 39 00-0056** | | **Laboratory Faucets And Fittings** *(22 42 39)* | | |
| 22 42 39 00-0057 | EA | Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927) | 221.93 | 38.16 |
| 22 42 39 00-0058 | EA | Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929) | 364.14 | 53.90 |
| 22 42 39 00-0059 | EA | Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930) | 473.66 | 53.90 |
| 22 42 39 00-0060 | EA | Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933) | 289.44 | 50.33 |
| 22 42 39 00-0061 | EA | 6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940) | 392.94 | 71.79 |
| 22 42 39 00-0062 | EA | 6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP) | 535.73 | 71.79 |
| 22 42 39 00-0063 | EA | Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946) | 428.96 | 53.90 |
| 22 42 39 00-0064 | EA | Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942) | 418.89 | 71.79 |
| 22 42 39 00-0065 | EA | Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP) | 274.98 | 41.44 |
| 22 42 39 00-0066 | EA | Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP) | 387.37 | 58.53 |
| 22 42 39 00-0067 | EA | 4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802) | 296.88 | 58.53 |
| 22 42 39 00-0068 | EA | 4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP) | 364.04 | 58.53 |
| 22 42 39 00-0069 | EA | Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP) | 92.60 | 36.00 |
| 22 42 39 00-0070 | EA | Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP) | 595.12 | 64.68 |
| 22 42 39 00-0071 | EA | Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP) | 767.63 | 64.68 |
| 22 42 39 00-0072 | EA | Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP) | 924.80 | 64.68 |
| 22 42 39 00-0073 | EA | Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP) | 816.87 | 64.68 |
| 22 42 39 00-0074 | EA | Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM) | 974.25 | 64.68 |
| 22 42 39 00-0075 | EA | Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA) | 162.19 | 35.57 |
| 22 42 39 00-0076 | EA | 90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA) | 228.19 | 42.69 |
| 22 42 39 00-0077 | EA | 180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA) | 228.19 | 42.69 |
| 22 42 39 00-0078 | EA | Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA) | 294.20 | 49.80 |
| 22 42 39 00-0079 | EA | Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA) | 360.20 | 56.91 |
| **22 42 39 00-0080** | | **Gooseneck Faucets With Independent Eyewash** *(22 42 39)* | | |
| 22 42 39 00-0081 | EA | Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA) | 932.18 | 40.42 |
| 22 42 39 00-0082 | EA | Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL) | 1,011.70 | 37.72 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 39 00-0083 | EA | 8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8) | 1,307.59 | 40.42 |
| 22 42 39 00-0084 | EA | Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST) | 1,381.49 | 40.42 |
| 22 42 39 00-0085 | EA | Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW) | 1,682.38 | 26.95 |
| 22 42 39 00-0086 | EA | Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP) | 2,021.20 | 67.37 |
| 22 42 39 00-0087 | EA | Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW) | 2,827.38 | 67.37 |
| 22 42 39 00-0088 | EA | 8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW) | 2,921.43 | 67.37 |
| 22 42 39 00-0089 | EA | Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101) | 328.21 | 40.97 |
| 22 42 39 00-0090 | EA | Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200) | 362.16 | 40.97 |
| 22 42 39 00-0091 | EA | Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201) | 391.81 | 40.97 |
| 22 42 39 00-0092 | EA | 6 Gallon Capacity, Tempering Valve (WaterSaver AP3600) | 1,762.72 | 26.95 |
| **22 42 39 00-0093** | | **Bubblers And Glass Fillers** *(22 42 39)* | | |
| 22 42 39 00-0094 | EA | Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP) | 394.92 | 38.16 |
| 22 42 39 00-0095 | EA | Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP) | 350.03 | 50.33 |
| 22 42 39 00-0096 | EA | 7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP) | 389.47 | 38.16 |
| 22 42 39 00-0097 | EA | Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP) | 236.96 | 54.67 |
| 22 42 39 00-0098 | EA | Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF) | 462.65 | 41.44 |
| 22 42 39 00-0099 | EA | Push Button Bubbler, 1/2" OD (Haws 5017LF) | 468.91 | 41.44 |
| 22 42 39 00-0100 | EA | Push Button Bubbler, 3/8" NPT (Haws 5010-6427) | 389.81 | 41.44 |
| **22 42 39 00-0101** | | **Automatic Electronic Sensor Faucets** *(22 42 39)* | | |
| 22 42 39 00-0102 | EA | Electronic Lavatory Faucet (American Standard 6055.205.002) | 719.72 | 89.90 |
| | | *For Faucet With Temperature Control, Add* | *40.00* | |
| 22 42 39 00-0103 | EA | Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002) | 726.55 | 89.90 |
| | | *For Faucet With Temperature Control, Add* | *40.00* | |
| 22 42 39 00-0104 | EA | Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1) | 976.69 | 97.62 |
| 22 42 39 00-0105 | EA | Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1) | 1,019.31 | 89.90 |
| 22 42 39 00-0106 | EA | Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880) | 1,517.44 | 97.62 |
| 22 42 39 00-0107 | EA | Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT) | 1,902.23 | 97.62 |
| 22 42 39 00-0108 | EA | Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187) | 1,776.05 | 97.62 |
| 22 42 39 00-0109 | EA | Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM) | 1,237.42 | 89.90 |
| 22 42 39 00-0110 | EA | Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100) | 1,067.79 | 89.90 |
| 22 42 39 00-0111 | EA | Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101) | 1,128.64 | 89.90 |
| 22 42 39 00-0112 | EA | Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102) | 976.51 | 89.90 |
| 22 42 39 00-0113 | EA | Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100) | 1,128.64 | 89.90 |
| 22 42 39 00-0114 | EA | Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102) | 984.98 | 89.90 |
| 22 42 39 00-0115 | EA | Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100) | 984.98 | 89.90 |
| 22 42 39 00-0116 | EA | Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101) | 1,110.09 | 89.90 |
| 22 42 39 00-0117 | EA | Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102) | 940.17 | 89.90 |
| 22 42 39 00-0118 | EA | 4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103) | 901.78 | 89.90 |
| 22 42 39 00-0119 | EA | Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60) | 1,483.38 | 89.90 |
| **22 42 39 00-0120** | | **Singles** *(22 42 39)* | | |
| 22 42 39 00-0121 | EA | Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130) | 277.15 | 39.56 |
| **22 42 39 00-0122** | | **Other Trim** *(22 42 39)* | | |
| 22 42 39 00-0123 | EA | Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330) | 20.17 | 5.85 |
| 22 42 39 00-0124 | EA | 1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP) | 139.79 | 17.56 |
| 22 42 39 00-0125 | EA | 1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP) | 54.59 | 14.63 |
| 22 42 39 00-0126 | EA | 1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP) | 124.98 | 14.63 |
| 22 42 39 00-0127 | EA | Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102) | 64.47 | 16.17 |
| 22 42 39 00-0128 | EA | Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus) | 67.34 | 16.17 |
| 22 42 39 00-0129 | EA | Lavatory Protective Enclosure (IPS Truebro Lav Shield) | 166.02 | 16.17 |
| 22 42 39 00-0130 | EA | 36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard) | 202.94 | 16.17 |
| 22 42 39 00-0131 | EA | 42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard) | 229.76 | 16.17 |
| 22 42 39 00-0132 | EA | 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036) | 40.19 | 11.32 |
| 22 42 39 00-0133 | EA | 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037) | 40.19 | 11.32 |
| 22 42 39 00-0134 | EA | 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558) | 56.19 | 11.32 |
| 22 42 39 00-0135 | PR | Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line | 37.87 | 12.43 |
| 22 42 39 00-0136 | EA | 12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line | 23.63 | 7.32 |
| 22 42 39 00-0137 | EA | 12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line | 24.35 | 7.32 |
| 22 42 39 00-0138 | PR | Pair of 60" Long, 3/4" FIP x 3/4" FIP, Stainless Steel Braided Washer Supply Line | 65.55 | 12.43 |
| **22 42 39 00-0139** | | **Shower Valves And Trim** *(22 42 39)* | | |
| | | See CSI section 22 41 39 00-0011 for residential shower valves and heads. | | |
| 22 42 39 00-0140 | EA | Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319) | 406.51 | 72.76 |
| 22 42 39 00-0141 | EA | Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP) | 927.41 | 72.76 |
| 22 42 39 00-0142 | EA | Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP) | 640.46 | 72.76 |
| 22 42 39 00-0143 | EA | Senior Institutional Shower Head (Symmons® 4-150) | 246.19 | 46.78 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 39 00-0144 | EA | Universal Institutional Shower Head (Symmons® 4-151) | 415.65 | 46.78 |
| 22 42 39 00-0145 | EA | Fre-Flo Institutional Shower Head (Symmons® 4-295) | 290.80 | 46.78 |
| 22 42 39 00-0146 | EA | Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385) | 217.74 | 46.78 |
| 22 42 39 00-0147 | EA | Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X) | 929.79 | 70.07 |
| 22 42 39 00-0148 | EA | Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X) | 759.05 | 80.85 |
| 22 42 39 00-0149 | EA | Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X) | 1,006.36 | 80.85 |
| 22 42 39 00-0150 | EA | Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X) | 1,421.42 | 86.23 |
| 22 42 39 00-0151 | EA | Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S) | 1,291.17 | 72.76 |
| | | *For Hand Spray, Hose And Wall Hooks, Add* | *106.44* | |
| | | *For Recessed Soap Dish, Add* | *108.12* | |
| | | *For Hand Spray, Hose And 30" Slide Bar, Add* | *165.51* | |
| | | *For Pressure Balance And Metering Combination, Add* | *291.63* | |
| 22 42 39 00-0152 | EA | Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807) | 1,538.13 | 72.76 |
| | | *For Hand Spray, Hose And Wall Hooks, Add* | *106.44* | |
| | | *For Recessed Soap Dish, Add* | *108.12* | |
| | | *For Hand Spray, Hose And 30" Slide Bar, Add* | *165.51* | |
| | | *For Pressure Balance And Metering Combination, Add* | *291.63* | |
| 22 42 39 00-0153 | EA | Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S) | 1,042.21 | 72.76 |
| | | *For Hand Spray, Hose And Wall Hooks, Add* | *19.32* | |
| | | *For Hand Spray, Hose And 30" Slide Bar, Add* | *78.39* | |
| | | *For Pressure Balance And Metering Combination, Add* | *291.63* | |
| 22 42 39 00-0154 | EA | Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS) | 1,581.55 | 72.76 |
| | | *For Pressure Balance And Metering Combination, Add* | *291.63* | |
| 22 42 39 00-0155 | EA | Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS) | 1,697.81 | 72.76 |
| | | *For Hand Spray, Hose And 30" Slide Bar, Add* | *59.07* | |
| | | *For Pressure Balance And Metering Combination, Add* | *291.63* | |
| 22 42 39 00-0156 | EA | Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931) | 3,145.86 | 72.76 |
| | | *For Recessed Soap Dish, Add* | *83.94* | |
| | | *For Pressure Balance And Metering Combination, Add* | *227.79* | |
| 22 42 39 00-0157 | EA | Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921) | 2,745.99 | 72.76 |
| | | *For Recessed Soap Dish, Add* | *83.94* | |
| | | *For Pressure Balance And Metering Combination, Add* | *291.63* | |
| 22 42 39 00-0158 | EA | Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231) | 1,370.36 | 72.76 |
| 22 42 39 00-0159 | EA | Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS) | 2,112.19 | 72.76 |
| | | *For Hand Spray, Hose And 30" Slide Bar, Add* | *59.07* | |
| | | *For Pressure Balance And Metering Combination, Add* | *291.63* | |
| 22 42 39 00-0160 | EA | Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60) | 1,368.50 | 72.76 |
| 22 42 39 00-0161 | EA | Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS) | 1,364.40 | 72.76 |
| | | *For Hand Spray, Hose And 30" Slide Bar, Add* | *59.07* | |
| 22 42 39 00-0162 | EA | Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4) | 1,007.97 | 64.68 |
| 22 42 39 00-0163 | EA | Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500) | 780.30 | 46.78 |

### 22 42 39 00-0164 Removal And Reinstallation Of Fixtures And Trim *(22 42 39)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

| | | | | |
|---|---|---|---|---|
| 22 42 39 00-0165 | EA | Removal And Reinstallation Of Faucet | 93.64 | |

## 22 42 43 Flushometers *(22 42)*

### 22 42 43 00-0001 Water Closet Flush Valves *(22 42 43)*

| | | | | |
|---|---|---|---|---|
| 22 42 43 00-0002 | EA | Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL) | 330.87 | 36.76 |
| 22 42 43 00-0003 | EA | Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6) | 320.15 | 36.76 |
| 22 42 43 00-0004 | EA | Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111) | 373.97 | 36.76 |
| 22 42 43 00-0005 | EA | Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140) | 516.61 | 36.76 |
| 22 42 43 00-0006 | EA | Top Spud, Concealed Nanual Water Closet Flush Valve (Sloan Royal-142) | 577.09 | 36.76 |
| 22 42 43 00-0007 | EA | Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S) | 1,073.66 | 36.76 |
| 22 42 43 00-0008 | EA | Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S) | 1,069.76 | 36.76 |
| 22 42 43 00-0009 | EA | Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S) | 1,130.77 | 36.76 |
| 22 42 43 00-0010 | EA | Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113) | 1,048.86 | 36.76 |
| 22 42 43 00-0011 | EA | Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)<br>Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation. | 454.91 | 36.76 |
| 22 42 43 00-0012 | EA | Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110) | 831.73 | 36.76 |
| 22 42 43 00-0013 | EA | Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A) | 452.83 | 36.76 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 42 43 00-0014 | EA | Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X) | 450.61 | 36.76 |
| 22 42 43 00-0015 | EA | Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A) | 460.05 | 32.33 |
| 22 42 43 00-0016 | EA | Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X) | 501.16 | 32.33 |
| 22 42 43 00-0017 | EA | 1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN) | 1,089.43 | 36.76 |
| 22 42 43 00-0018 | EA | Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32) | 1,195.75 | 36.76 |
| 22 42 43 00-0019 | EA | 1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31) | 1,521.66 | 36.76 |
| 22 42 43 00-0020 | EA | 1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32) | 1,521.66 | 36.76 |
| 22 42 43 00-0021 | EA | Exposed Manual Water Closet Flush Valve (Zurn Z6000AV) | 282.93 | 36.76 |
| 22 42 43 00-0022 | EA | Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS) | 983.37 | 36.76 |
| 22 42 43 00-0023 | EA | Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV) | 975.00 | 36.76 |
| 22 42 43 00-0024 | EA | Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A) | 483.13 | 32.33 |
| 22 42 43 00-0025 | EA | 6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451) | 150.39 | 6.31 |
| 22 42 43 00-0026 | EA | Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28) | 556.13 | 36.76 |
| 22 42 43 00-0027 | EA | Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET) | 357.03 | 36.76 |
| 22 42 43 00-0028 | EA | Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET) | 996.79 | 36.76 |
| 22 42 43 00-0029 | | **Urinal Flush Valves** *(22 42 43)* | | |
| 22 42 43 00-0030 | EA | 3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL)<br>Note: 0.5, 1.0 or 1.5 GPF. | 279.33 | 36.76 |
| 22 42 43 00-0031 | EA | 1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180)<br>Note: 1.0, 1.5 or 3.5 GPF. | 301.89 | 36.76 |
| 22 42 43 00-0032 | EA | Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195)<br>Note: 1.0 or 1.5 GPF. | 409.65 | 36.76 |
| 22 42 43 00-0033 | EA | Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197)<br>Note: 1.0 or 1.5 GPF. | 498.42 | 36.76 |
| 22 42 43 00-0034 | EA | Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)<br>Note: 1.0 or 1.5 GPF. | 791.04 | 36.76 |
| 22 42 43 00-0035 | EA | Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S)<br>Note: 0.5, 1.0 or 1.5 GPF. | 1,067.27 | 36.76 |
| 22 42 43 00-0036 | EA | Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S)<br>Note: 0.5, 1.0 or 1.5 GPF. | 1,198.84 | 36.76 |
| 22 42 43 00-0037 | EA | Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1)<br>Note: 1.0 GPF. | 777.84 | 36.76 |
| 22 42 43 00-0038 | EA | Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12)<br>Note: 0.5 GPF. | 1,188.90 | 36.76 |
| 22 42 43 00-0039 | EA | 3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV)<br>Note: 0.5, 1.0 or 1.5 GPF. | 336.45 | 36.76 |
| 22 42 43 00-0040 | EA | Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13)<br>Note: 0.13 GPF. | 502.24 | 36.76 |
| 22 42 43 00-0041 | EA | 3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF)<br>Note: 0.125 GPF. | 321.67 | 36.76 |
| 22 42 43 00-0042 | EA | Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF)<br>Note: 0.125 GPF. | 839.85 | 36.76 |
| 22 42 43 00-0043 | EA | Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS)<br>Note: 0.125 GPF. | 842.83 | 36.76 |
| 22 42 43 00-0044 | | **Plumbing Control Transformers** *(22 42 43)* | | |
| 22 42 43 00-0045 | EA | 6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6) | 67.97 | |
| 22 42 43 00-0046 | | **Removal And Reinstallation Of Fixtures And Trim** *(22 42 43)*<br>Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture. | | |
| 22 42 43 00-0047 | EA | Removal And Reinstallation Of Flush Valve | 146.32 | |

## 22 42 46 Chemical Toilets *(22 42)*

Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.

| | | | | |
|---|---|---|---|---|
| 22 42 46 00-0001 | | **Standard Chemical Toilets** *(22 42 46)* | | |
| 22 42 46 00-0002 | | **Small Tank Chemical Toilets** *(22 42 46 00-0001)* | | |
| 22 42 46 00-0003 | EA | Chemical Toilet, Small Tank 7,000 Uses/Year | 4,476.45 | 1,077.90 |
| | | *For Extra Urinal, Add* | *145.83* | |
| 22 42 46 00-0004 | | **Medium Tank Chemical Toilets** *(22 42 46 00-0001)* | | |
| 22 42 46 00-0005 | EA | Chemical Toilet, Medium Tank 13,000 Uses/Year | 5,319.70 | 1,283.79 |
| | | *For Extra Urinal, Add* | *172.67* | |
| 22 42 46 00-0006 | | **Large Tank Chemical Toilets** *(22 42 46 00-0001)* | | |
| 22 42 46 00-0007 | EA | Chemical Toilet, Large Tank 28,000 Uses/Year | 6,413.60 | 1,456.25 |
| | | *For Extra Urinal, Add* | *233.94* | |

## 22 43 Healthcare Plumbing Fixtures *(22 40)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 22 43 13 Healthcare Water Closets *(22 43)*

22 43 13 00-0001 Healthcare Water Closets *(22 43 13)*

| | | | | |
|---|---|---|---|---|
| 22 43 13 00-0002 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA) | 825.42 | 112.10 |
| 22 43 13 00-0003 | EA | Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA) | 678.20 | 112.10 |

### 22 43 16 Healthcare Sinks *(22 43)*

22 43 16 00-0001 Healthcare Sinks *(22 43 16)*

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

| | | | | |
|---|---|---|---|---|
| 22 43 16 00-0002 | EA | 25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard) | 1,200.59 | 72.22 |
| | | *For Stainless Steel Rim Guards (Three Sides), Add* | *108.61* | |
| 22 43 16 00-0003 | EA | 29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard) | 1,298.06 | 207.49 |
| | | *For Stainless Steel Rim Guards (Three Sides), Add* | *108.61* | |
| | | *For Pedestal Base, Add* | *497.95* | |
| 22 43 16 00-0004 | EA | 28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard) | 1,152.78 | 72.22 |
| | | *For Painted Bracket Supports, Add* | *176.28* | |
| 22 43 16 00-0005 | EA | 20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard) | 1,009.34 | 72.22 |

### 22 43 39 Healthcare Faucets *(22 43)*

22 43 39 00-0001 Medical Faucet Spouts *(22 43 39)*

| | | | | |
|---|---|---|---|---|
| 22 43 39 00-0002 | EA | Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522) | 101.58 | 16.17 |

22 43 39 00-0003 Electronic Proximity Medical Faucets *(22 43 39)*

| | | | | |
|---|---|---|---|---|
| 22 43 39 00-0004 | EA | DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU) | 577.87 | 79.12 |
| | | *For Hard Wired AC Powered, Add* | *24.73* | |

22 43 39 00-0005 Centerset Medical Faucets *(22 43 39)*

| | | | | |
|---|---|---|---|---|
| 22 43 39 00-0006 | EA | Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04) | 612.94 | 79.12 |
| 22 43 39 00-0007 | EA | Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04) | 620.05 | 79.12 |
| 22 43 39 00-0008 | EA | Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04) | 619.33 | 79.12 |
| 22 43 39 00-0009 | EA | Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04) | 551.77 | 79.12 |
| 22 43 39 00-0010 | EA | Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04) | 527.58 | 79.12 |

22 43 39 00-0011 Bedpan Washers *(22 43 39)*

| | | | | |
|---|---|---|---|---|
| 22 43 39 00-0012 | EA | Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675) | 1,461.45 | 143.79 |
| 22 43 39 00-0013 | EA | Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676) | 1,386.98 | 143.79 |
| 22 43 39 00-0014 | EA | Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685) | 1,364.92 | 143.79 |
| 22 43 39 00-0015 | EA | Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686) | 1,343.47 | 143.79 |

22 43 39 00-0016 Foot And Knee Faucet Controls *(22 43 39)*

| | | | | |
|---|---|---|---|---|
| 22 43 39 00-0017 | EA | Single Supply Metering Pedal Valve (Chicago Faucet 628) | 439.37 | 143.79 |
| 22 43 39 00-0018 | EA | Double Supply Metering Pedal Valve (Chicago Faucet 625) | 517.90 | 143.79 |
| 22 43 39 00-0019 | EA | Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP) | 1,123.19 | 143.79 |

### 22 43 43 Healthcare Plumbing Fixture Flushometers *(22 43)*

22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers *(22 43 43)*

| | | | | |
|---|---|---|---|---|
| 22 43 43 00-0002 | EA | Exposed Manual Service Sink Flush Valve (Sloan Royal-117) | 231.79 | 36.76 |
| 22 43 43 00-0003 | EA | Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW) | 510.81 | 36.76 |

## 22 45 Emergency Plumbing Fixtures *(22 40)*

### 22 45 13 Emergency Showers *(22 45)*

22 45 13 00-0001 Emergency Drench Showers *(22 45 13)*

22 45 13 00-0002 Emergency Drench Showers (Haws) *(22 45 13 00-0001)*

Note: Includes one pull rod.

| | | | | |
|---|---|---|---|---|
| 22 45 13 00-0003 | EA | Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122) | 737.34 | 188.64 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 45 13 00-0004 | EA | Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123) | 849.09 | 188.64 |
| 22 45 13 00-0005 | EA | Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC) | 911.17 | 188.64 |
| 22 45 13 00-0006 | EA | Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130) | 1,097.41 | 188.64 |
| 22 45 13 00-0007 | EA | Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H) | 1,482.32 | 188.64 |
| 22 45 13 00-0008 | EA | Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100) | 1,163.72 | 215.58 |
| 22 45 13 00-0009 | EA | Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP) | 1,273.49 | 242.53 |
| 22 45 13 00-0010 | EA | Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169) | 1,155.54 | 242.53 |
| 22 45 13 00-0011 | EA | Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163) | 1,180.37 | 242.53 |
| 22 45 13 00-0012 | EA | Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164) | 1,645.98 | 242.53 |
| 22 45 13 00-0013 | | Emergency Drench Showers (Speakman) *(22 45 13 00-0001)* | | |
| | | Note: Includes one pull rod. | | |
| 22 45 13 00-0014 | EA | Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220) | 636.32 | 188.64 |
| 22 45 13 00-0015 | EA | Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227) | 655.67 | 188.64 |
| 22 45 13 00-0016 | EA | Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253) | 1,034.18 | 215.58 |
| 22 45 13 00-0017 | | Emergency Drench Showers (WaterSaver) *(22 45 13 00-0001)* | | |
| | | Note: Includes one pull rod. | | |
| 22 45 13 00-0018 | EA | Emergency Shower, Vertically Mounted (WaterSaver ES635) | 872.24 | 188.64 |
| 22 45 13 00-0019 | EA | Emergency Shower, Horizontally Mounted (WaterSaver ES643) | 893.89 | 188.64 |
| 22 45 13 00-0020 | EA | All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691) | 1,953.89 | 188.64 |
| 22 45 13 00-0021 | EA | Emergency Shower, Recess Mounted (WaterSaver ES629) | 1,395.15 | 242.53 |
| 22 45 13 00-0022 | EA | Emergency Shower, Semi-Concealed (WaterSaver ES658) | 1,884.90 | 242.53 |
| **22 45 16** | | **Eyewash Equipment** *(22 45)* | | |
| 22 45 16 00-0001 | | Emergency Eyewash Equipment *(22 45 16)* | | |
| 22 45 16 00-0002 | | Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)* | | |
| 22 45 16 00-0003 | EA | Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620) | 333.60 | 5.39 |
| 22 45 16 00-0004 | EA | Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP) | 1,546.65 | 242.53 |
| 22 45 16 00-0005 | | Emergency Eyewash Equipment (WaterSaver) *(22 45 16 00-0001)* | | |
| 22 45 16 00-0006 | EA | Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805) | 887.74 | 53.90 |
| 22 45 16 00-0007 | EA | Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH) | 887.74 | 53.90 |
| 22 45 16 00-0008 | EA | Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806) | 904.14 | 53.90 |
| 22 45 16 00-0009 | EA | Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH) | 904.14 | 53.90 |
| 22 45 16 00-0010 | EA | Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822) | 1,205.22 | 53.90 |
| 22 45 16 00-0011 | EA | Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848) | 1,374.83 | 53.90 |
| 22 45 16 00-0012 | EA | Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849) | 1,374.83 | 53.90 |
| 22 45 16 00-0013 | EA | Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893) | 2,557.81 | 53.90 |
| 22 45 16 00-0014 | EA | Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH) | 2,557.81 | 53.90 |
| 22 45 16 00-0015 | EA | Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895) | 2,677.15 | 53.90 |
| 22 45 16 00-0016 | EA | Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH) | 2,677.15 | 53.90 |
| 22 45 16 00-0017 | EA | Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898) | 3,305.19 | 53.90 |
| 22 45 16 00-0018 | EA | Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899) | 3,305.19 | 53.90 |
| 22 45 16 00-0019 | EA | Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808) | 1,614.82 | 188.64 |
| 22 45 16 00-0020 | EA | Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810) | 1,591.67 | 188.64 |
| 22 45 16 00-0021 | EA | Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814) | 1,135.40 | 188.64 |
| 22 45 16 00-0022 | EA | Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC) | 1,616.57 | 188.64 |
| 22 45 16 00-0023 | EA | Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P) | 963.61 | 188.64 |
| **22 45 23** | | **Personal Eyewash Equipment** *(22 45)* | | |
| 22 45 23 00-0001 | | Portable Eyewash Equipment *(22 45 23)* | | |
| 22 45 23 00-0002 | | Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)* | | |
| 22 45 23 00-0003 | EA | Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921) | 341.20 | 16.17 |
| 22 45 23 00-0004 | EA | Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H) | 1,805.30 | 16.17 |
| 22 45 23 00-0005 | EA | 5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671) | 825.25 | |
| 22 45 23 00-0006 | EA | 5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672) | 984.45 | |
| **22 45 26** | | **Eye/Face Wash Equipment** *(22 45)* | | |
| 22 45 26 00-0001 | | Emergency Eye/Face Wash Equipment *(22 45 26)* | | |
| 22 45 26 00-0002 | | Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 45 26 00-0003 | EA | Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460) | 809.59 | 134.74 |
| | | Note: Excludes p-trap and tailpiece. | | |
| 22 45 26 00-0004 | EA | Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324) | 805.63 | 188.64 |
| 22 45 26 00-0005 | EA | Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B) | 787.01 | 188.64 |
| | | Note: Excludes p-trap and tailpiece. | | |
| 22 45 26 00-0006 | EA | Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT) | 860.26 | 188.64 |
| | | Note: Excludes p-trap and tailpiece. | | |
| 22 45 26 00-0007 | EA | Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B) | 867.71 | 188.64 |
| | | Note: Excludes p-trap and tailpiece. | | |
| 22 45 26 00-0008 | EA | Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT) | 955.87 | 188.64 |
| | | Note: Excludes p-trap and tailpiece. | | |
| 22 45 26 00-0009 | EA | Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC) | 1,308.49 | 188.64 |
| 22 45 26 00-0010 | EA | Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B) | 2,488.03 | 188.64 |
| 22 45 26 00-0011 | EA | Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271) | 989.89 | 215.58 |
| 22 45 26 00-0012 | EA | Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461) | 1,132.68 | 215.58 |
| 22 45 26 00-0013 | EA | Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777) | 2,572.96 | 215.58 |
| 22 45 26 00-0014 | EA | Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611) | 685.15 | 53.90 |
| 22 45 26 00-0015 | EA | Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612) | 660.31 | 53.90 |
| 22 45 26 00-0016 | EA | Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH) | 691.35 | 53.90 |
| 22 45 26 00-0017 | EA | Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610) | 871.39 | 53.90 |
| 22 45 26 00-0018 | EA | Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC) | 2,103.40 | 269.48 |
| 22 45 26 00-0019 | EA | Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM) | 2,560.55 | 215.58 |
| 22 45 26 00-0020 | EA | Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC) | 2,624.88 | 269.48 |
| 22 45 26 00-0021 | EA | Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM) | 3,094.45 | 215.58 |
| 22 45 26 00-0022 | | **Emergency Eye/Face Wash Equipment (Speakman)** *(22 45 26 00-0001)* | | |
| 22 45 26 00-0023 | EA | Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495) | 716.94 | 188.64 |
| 22 45 26 00-0024 | EA | Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496) | 879.40 | 215.58 |
| 22 45 26 00-0025 | | **Emergency Eye/Face Wash Equipment (WaterSaver)** *(22 45 26 00-0001)* | | |
| 22 45 26 00-0026 | EA | Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724) | 1,437.35 | 188.64 |
| 22 45 26 00-0027 | EA | Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC) | 1,918.52 | 188.64 |
| 22 45 26 00-0028 | EA | Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727) | 1,857.35 | 188.64 |
| 22 45 26 00-0029 | EA | Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765) | 1,711.38 | 188.64 |
| 22 45 26 00-0030 | EA | Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774) | 935.49 | 53.90 |
| 22 45 26 00-0031 | EA | Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH) | 935.49 | 53.90 |
| 22 45 26 00-0032 | EA | Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775) | 907.01 | 53.90 |
| 22 45 26 00-0033 | EA | Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH) | 907.01 | 53.90 |
| 22 45 26 00-0034 | EA | Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778) | 1,396.23 | 53.90 |
| 22 45 26 00-0035 | EA | Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779) | 1,396.23 | 53.90 |
| 22 45 26 00-0036 | | **Emergency Eye/Face Wash Equipment (Guardian)** *(22 45 26 00-0001)* | | |
| | | Note: Includes one pull rod. | | |
| 22 45 26 00-0037 | EA | All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994) | 5,722.69 | 188.64 |
| **22 45 29** | | **Hand-Held Emergency Drench Hoses** *(22 45)* | | |
| 22 45 29 00-0001 | | **Hand-Held Emergency Eye/Face/Body Wash With Hose** *(22 45 29)* | | |
| 22 45 29 00-0002 | | **Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws)** *(22 45 29 00-0001)* | | |
| 22 45 29 00-0003 | EA | Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904) | 730.72 | 67.37 |
| 22 45 29 00-0004 | EA | Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905) | 842.47 | 67.37 |
| 22 45 29 00-0005 | | **Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver)** *(22 45 29 00-0001)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 45 29 00-0006 | EA | Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020) | 708.58 | 67.37 |
| 22 45 29 00-0007 | EA | Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025) | 651.43 | 67.37 |
| 22 45 29 00-0008 | EA | Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014) | 987.66 | 67.37 |
| 22 45 29 00-0009 | EA | Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022) | 924.06 | 67.37 |
| 22 45 29 00-0010 | EA | Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026) | 946.84 | 67.37 |
| 22 45 29 00-0011 | EA | Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028) | 1,246.67 | 67.37 |
| 22 45 29 00-0012 | EA | Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB) | 1,446.08 | 67.37 |
| 22 45 29 00-0013 | EA | Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041) | 1,378.46 | 67.37 |

## 22 45 33 Combination Emergency Fixture Units *(22 45)*

### 22 45 33 00-0001 Emergency Shower With Eye/Face Wash *(22 45 33)*

### 22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*

| | | | | |
|---|---|---|---|---|
| 22 45 33 00-0003 | EA | Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330) | 4,332.39 | 350.32 |
| 22 45 33 00-0004 | EA | Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve. | 2,916.94 | 350.32 |
| 22 45 33 00-0005 | EA | Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309) | 2,016.76 | 350.32 |
| 22 45 33 00-0006 | EA | Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158) | 3,239.76 | 350.32 |
| 22 45 33 00-0007 | EA | Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP) | 2,364.42 | 350.32 |
| 22 45 33 00-0008 | EA | Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC) | 2,221.63 | 350.32 |
| 22 45 33 00-0009 | EA | Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317) | 1,892.60 | 350.32 |
| 22 45 33 00-0010 | EA | Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336) | 3,128.02 | 350.32 |
| 22 45 33 00-0011 | EA | Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC) | 3,432.22 | 350.32 |
| 22 45 33 00-0012 | EA | Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW) | 3,500.50 | 350.32 |
| 22 45 33 00-0013 | EA | Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC) | 3,916.45 | 350.32 |
| 22 45 33 00-0014 | EA | Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD) | 4,158.57 | 350.32 |
| 22 45 33 00-0015 | EA | Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW) | 4,090.28 | 350.32 |
| 22 45 33 00-0016 | EA | Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP) | 6,138.96 | 350.32 |
| 22 45 33 00-0017 | EA | Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V) | 6,474.20 | 350.32 |
| 22 45 33 00-0018 | EA | Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1) | 13,737.70 | 350.32 |
| 22 45 33 00-0019 | EA | Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325) | 1,892.60 | 350.32 |
| 22 45 33 00-0020 | EA | Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP) | 2,147.13 | 350.32 |

### 22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) *(22 45 33 00-0001)*

| | | | | |
|---|---|---|---|---|
| 22 45 33 00-0022 | EA | Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690) | 1,746.40 | 350.32 |

### 22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) *(22 45 33 00-0001)*

| | | | | |
|---|---|---|---|---|
| 22 45 33 00-0024 | EA | All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994) | 6,544.20 | 292.64 |
| 22 45 33 00-0025 | EA | Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC) | 6,689.21 | 292.64 |
| 22 45 33 00-0026 | EA | Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902) | 2,602.38 | 292.64 |
| 22 45 33 00-0027 | EA | Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P) | 2,376.77 | 292.64 |
| 22 45 33 00-0028 | EA | Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC) | 3,083.55 | 292.64 |

## 22 45 36 Emergency Fixture Water-Tempering Equipment *(22 45)*

### 22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment *(22 45 36)*

### 22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) *(22 45 36 00-0001)*

| | | | | |
|---|---|---|---|---|
| 22 45 36 00-0003 | EA | 10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW) | 774.18 | 67.37 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 45 36 00-0004 | EA | 12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE) | 1,140.46 | 67.37 |
| 22 45 36 00-0005 | EA | 31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E) | 1,680.56 | 67.37 |
| 22 45 36 00-0006 | EA | 78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E) | 1,984.76 | 67.37 |
| 22 45 36 00-0007 | EA | 31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H) | 2,816.65 | 67.37 |
| 22 45 36 00-0008 | EA | 12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE) | 2,971.85 | 67.37 |
| 22 45 36 00-0009 | EA | 74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE) | 5,001.91 | 67.37 |
| 22 45 36 00-0010 | EA | 78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF) | 6,013.83 | 67.37 |
| 22 45 36 00-0011 | EA | 1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B) | 867.30 | 67.37 |

### 22 45 39 Emergency Plumbing Fixture Accessories *(22 45)*

22 45 39 00-0001 Emergency Plumbing Fixture Accessories *(22 45 39)*

22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) *(22 45 39 00-0001)*

| | | | | |
|---|---|---|---|---|
| 22 45 39 00-0003 | EA | Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220) | 198.31 | 21.56 |
| 22 45 39 00-0004 | EA | Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W) | 279.02 | 21.56 |
| 22 45 39 00-0005 | EA | Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS) | 291.43 | 21.56 |
| 22 45 39 00-0006 | EA | Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS) | 326.58 | 8.09 |
| 22 45 39 00-0007 | EA | Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102) | 333.60 | 5.39 |
| 22 45 39 00-0008 | EA | 3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020) | 363.01 | 10.78 |
| 22 45 39 00-0009 | EA | Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK) | 627.30 | 80.85 |
| 22 45 39 00-0010 | EA | Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP) | 659.32 | 37.88 |
| 22 45 39 00-0011 | EA | Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT) | 982.15 | 37.88 |
| 22 45 39 00-0012 | EA | Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037) | 1,140.46 | 80.85 |
| 22 45 39 00-0013 | EA | Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP) | 2,192.73 | 37.88 |
| 22 45 39 00-0014 | EA | 1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5) | 2,425.37 | 126.27 |
| 22 45 39 00-0015 | EA | 1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001) | 2,475.04 | 126.27 |
| 22 45 39 00-0016 | EA | 1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP) | 4,598.22 | 126.27 |
| 22 45 39 00-0017 | EA | 1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1) | 8,757.66 | 126.27 |

22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) *(22 45 39 00-0001)*

| | | | | |
|---|---|---|---|---|
| 22 45 39 00-0019 | EA | Privacy Curtain For Emergency Showers<br>Note: Curtain includes stainless steel curtain rod and mounting accessories. | 1,143.00 | 80.85 |

22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) *(22 45 39 00-0001)*

| | | | | |
|---|---|---|---|---|
| 22 45 39 00-0021 | EA | Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC) | 187.81 | 17.56 |

## 22 46 Security Plumbing Fixtures *(22 40)*

### 22 46 13 Security Water Closets and Urinals *(22 46)*

#### 22 46 13 13 Security Water Closets *(22 46 13)*

22 46 13 13-0001 Security Water Closets *(22 46 13 13)*

| | | | | |
|---|---|---|---|---|
| 22 46 13 13-0002 | EA | Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675) | 2,278.35 | 269.48 |
| | | *For Angled Toilet, Add* | *26.95* | |
| | | *For Offset Toilet, Add* | *200.89* | |
| 22 46 13 13-0003 | EA | Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684) | 2,726.40 | 269.48 |
| | | *For Angled Toilet, Add* | *26.95* | |
| | | *For Offset Toilet, Add* | *245.69* | |
| 22 46 13 13-0004 | EA | Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695) | 2,765.65 | 269.48 |
| | | *For Angled Toilet, Add* | *26.95* | |
| | | *For Offset Toilet, Add* | *249.62* | |
| 22 46 13 13-0005 | EA | Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840) | 268.80 | 53.90 |
| 22 46 13 13-0006 | EA | Penal-Ware® Blowout Jet Water Closet, Integral Seat, Back Supply, Floor Mount, Wall Outlet, Stainless Steel (Acorn LR1685-W-2FVBO TLT) | 1,022.77 | 269.48 |
| 22 46 13 13-0007 | EA | Ligature Resistant, Stainless Steel, Floor Mount, Wall Outlet, Siphon Jet Toilet - ADA (Whitehall BestCare® WH2142-ADA-T-EGE10) | 2,257.96 | 269.48 |

#### 22 46 13 16 Security Urinals *(22 46 13)*

22 46 13 16-0001 Security Urinals *(22 46 13 16)*

| | | | | |
|---|---|---|---|---|
| 22 46 13 16-0002 | EA | Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700) | 2,654.91 | 242.53 |
| 22 46 13 16-0003 | EA | Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720) | 4,469.86 | 344.61 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 22 46 13 19 Security Combination Toilet and Lavatory *(22 46 13)*

### 22 46 13 19-0001 Security Combination Toilet - Lavatory *(22 46 13 19)*

| | | | | |
|---|---|---|---|---|
| 22 46 13 19-0002 | EA | 15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415) | 4,049.64 | 334.15 |
| | | *For Angled Toilet, Add* | *33.42* | |
| | | *For Offset Toilet, Add* | *371.55* | |
| | | *For 15" Mirror/Shelf Module, Add* | *884.15* | |
| | | *For AC Duplex Outlet Option, Add* | *96.83* | |
| | | *For Intercom Option, Add* | *141.83* | |
| | | *For 15" Wide Light/Ventilation Module, Add* | *835.49* | |
| 22 46 13 19-0003 | EA | 18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418) | 4,175.38 | 350.32 |
| | | *For Angled Toilet, Add* | *35.03* | |
| | | *For Offset Toilet, Add* | *382.51* | |
| | | *For 18" Mirror/Shelf Module, Add* | *925.32* | |
| | | *For AC Duplex Outlet Option, Add* | *100.06* | |
| | | *For Intercom Option, Add* | *145.06* | |
| | | *For 18" Wide Light/Ventilation Module, Add* | *860.19* | |
| 22 46 13 19-0004 | EA | 20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420) | 4,272.69 | 366.49 |
| | | *For Angled Toilet, Add* | *36.65* | |
| | | *For Offset Toilet, Add* | *390.62* | |
| | | *For 20" Mirror/Shelf Module, Add* | *976.49* | |
| | | *For AC Duplex Outlet Option, Add* | *103.30* | |
| | | *For Intercom Option, Add* | *148.30* | |
| | | *For 20" Wide Light/Ventilation Module, Add* | *894.89* | |
| 22 46 13 19-0005 | EA | 26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426) | 4,567.62 | 382.66 |
| | | *For Angled Toilet, Add* | *38.27* | |
| | | *For Offset Toilet, Add* | *418.50* | |
| | | *For 26" Mirror/Shelf Module, Add* | *1,017.66* | |
| | | *For AC Duplex Outlet Option, Add* | *106.53* | |
| | | *For Intercom Option, Add* | *151.53* | |
| | | *For 26" Wide Light/Ventilation Module, Add* | *924.59* | |
| 22 46 13 19-0006 | EA | 28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428) | 7,249.00 | 398.83 |
| | | *For Angled Toilet, Add* | *39.88* | |
| | | *For Offset Toilet, Add* | *685.02* | |
| | | *For 28" Mirror/Shelf Module, Add* | *1,053.83* | |
| | | *For AC Duplex Outlet Option, Add* | *109.77* | |
| | | *For Intercom Option, Add* | *154.77* | |
| | | *For 28" Wide Light/Ventilation Module, Add* | *954.30* | |

## 22 46 16 Security Lavatories and Sinks *(22 46)*

### 22 46 16 13 Security Lavatories *(22 46 16)*

#### 22 46 16 13-0001 Security Lavatories *(22 46 16 13)*

| | | | | |
|---|---|---|---|---|
| 22 46 16 13-0002 | EA | 20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650) | 1,639.20 | 188.64 |
| | | *For Shelf, Add* | *91.59* | |
| 22 46 16 13-0003 | EA | 18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655) | 1,665.19 | 188.64 |
| | | *For Shelf, Add* | *91.59* | |
| 22 46 16 13-0004 | EA | 13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660) | 1,884.66 | 188.64 |
| | | *For Shelf, Add* | *91.59* | |
| 22 46 16 13-0005 | EA | 18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656) | 1,665.19 | 188.64 |
| | | *For Shelf, Add* | *91.59* | |
| 22 46 16 13-0006 | EA | Penal-Ware® 18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn M-1652-E530-1 Multi -Lav) | 2,947.85 | 188.64 |
| 22 46 16 13-0007 | EA | Ligature Resistant Corterra®, Wall, Bathroom Sink, With Faucet, Bowl Size 14-1/2" x 12-1/2" (Whitehall BestCare® WH3775-WH3375L-SO) | 2,569.69 | 269.48 |
| 22 46 16 13-0008 | EA | Ligature Resistant Corterra®, Wall, Bathroom Sink, Without Faucet, Bowl Size 14-1/2" x 12-1/2" (Whitehall WH3775−09) | 2,208.88 | 269.48 |
| 22 46 16 13-0009 | EA | Ligature Resistant Sensor Activated Spout with Electronic Valve, Single Temperature (Whitehall BestCare® WH3375L-SO) | 965.56 | 38.80 |

### 22 46 16 16 Security Sinks *(22 46 16)*

#### 22 46 16 16-0001 Security Sinks *(22 46 16 16)*

| | | | | |
|---|---|---|---|---|
| 22 46 16 16-0002 | EA | 22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642) | 3,465.19 | 287.26 |

#### 22 46 16 16-0003 Security Mop Sink *(22 46 16 16)*

| | | | | |
|---|---|---|---|---|
| 22 46 16 16-0004 | EA | 24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630) | 4,212.37 | 161.69 |

## 22 46 19 Security Showers *(22 46)*

#### 22 46 19 00-0001 Security Showers *(22 46 19)*

| | | | | |
|---|---|---|---|---|
| 22 46 19 00-0002 | EA | 30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD) | 8,874.25 | 431.16 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 46 19 00-0003 | EA | 32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD) | 9,188.29 | 431.16 |
| 22 46 19 00-0004 | EA | 36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD) | 9,511.49 | 431.16 |
| 22 46 19 00-0005 | EA | 36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA) | 12,042.12 | 431.16 |
| 22 46 19 00-0006 | EA | Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741) | 631.10 | 143.90 |
| 22 46 19 00-0007 | EA | Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743) | 444.01 | 75.46 |
| 22 46 19 00-0008 | EA | Ligature Resistant ADA Compliant Flush-Mounted Stainless Steel Security Shower With Temperature/Pressure Mixing Valve, Dual Showerhead (Acorn MLR1748 LIG/RES SHWR) | 882.94 | 75.46 |

### 22 46 43 Security Plumbing Fixture Flushometers *(22 46)*

| | | | | |
|---|---|---|---|---|
| 22 46 43 00-0001 | EA | Concealed Manual Water Closet Flush Valve, With Pushbutton Control (Sloan 601 AFD ESM)<br>Note: Anti-flood device (AFD), solenoid operated with module plug 24V (ESM). | 789.07 | 36.76 |
| 22 46 43 00-0002 | EA | Concealed Manual Urinal Flush Valve, 1-1/2" Backinlet, With Pushbutton Control (Sloan 609 ESM)<br>Note: Solenoid operated with module plug 24V (ESM). | 788.15 | 36.76 |
| 22 46 43 00-0003 | EA | Concealed Manual Urinal Flush Valve, 3/4" Backinlet, With Pushbutton Control (Sloan 613 ESM)<br>Note: Solenoid operated with module plug 24V (ESM). | 761.34 | 36.76 |

### 22 46 56 Security Drinking Fountains *(22 46)*

22 46 56 00-0001 Security Drinking Fountain *(22 46 56)*

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

| | | | | |
|---|---|---|---|---|
| 22 46 56 00-0002 | EA | Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA) | 1,853.98 | 215.58 |
| 22 46 56 00-0003 | EA | Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA) | 1,866.51 | 215.58 |

## 22 47 Drinking Fountains and Water Coolers *(22 40)*

### 22 47 13 Drinking Fountains *(22 47)*

22 47 13 00-0001 Drinking Fountain Accessories *(22 47 13)*

22 47 13 00-0002 Drinking Fountain Grab Bars *(22 47 13 00-0001)*

Note: Includes satin finish and concealed mounting with snap flange.

| | | | | |
|---|---|---|---|---|
| 22 47 13 00-0003 | EA | 18" x 33", Wall And Floor Mounted, 1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bar | 336.74 | 22.06 |
| | | *For Peened Grip, Add* | *26.33* | |
| 22 47 13 00-0004 | EA | 18" x 33", Wall And Floor Mounted, 1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bar | 363.08 | 22.06 |
| | | *For Peened Grip, Add* | *28.71* | |

22 47 13 00-0005 Indoor Drinking Fountains *(22 47 13)*

22 47 13 00-0006 Face Mounted Indoor Drinking Fountain *(22 47 13 00-0005)*

| | | | | |
|---|---|---|---|---|
| 22 47 13 00-0007 | EA | Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S) | 2,483.63 | 175.16 |
| 22 47 13 00-0008 | EA | Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP) | 3,668.26 | 188.64 |
| 22 47 13 00-0009 | EA | Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E) | 3,315.79 | 175.16 |
| 22 47 13 00-0010 | EA | Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP) | 3,967.96 | 188.64 |
| 22 47 13 00-0011 | EA | Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS) | 1,620.04 | 175.16 |
| 22 47 13 00-0012 | EA | Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP) | 1,953.21 | 188.64 |
| 22 47 13 00-0013 | EA | Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE) | 1,850.26 | 175.16 |
| 22 47 13 00-0014 | EA | Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP) | 2,264.39 | 188.64 |

22 47 13 00-0015 Wall Mounted Indoor Drinking Fountain *(22 47 13 00-0005)*

| | | | | |
|---|---|---|---|---|
| 22 47 13 00-0016 | EA | Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701) | 1,661.43 | 188.64 |
| 22 47 13 00-0017 | EA | Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF) | 2,625.75 | 188.64 |
| 22 47 13 00-0018 | EA | Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF) | 3,325.65 | 242.53 |
| 22 47 13 00-0019 | EA | Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK ) | 3,745.43 | 242.53 |
| 22 47 13 00-0020 | EA | Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK) | 3,214.47 | 242.53 |
| 22 47 13 00-0021 | EA | Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP) | 2,921.86 | 242.53 |
| 22 47 13 00-0022 | EA | White Vitreous China Wall-Mounted Indoor Drinking Fountain (Haws 1201) | 1,422.19 | 188.64 |
| 22 47 13 00-0023 | EA | White Enameled Iron Wall-Mounted Indoor Drinking Fountain (Haws 1311 And 6700) | 2,637.40 | 188.64 |
| 22 47 13 00-0024 | EA | Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK) | 3,308.95 | 188.64 |
| 22 47 13 00-0025 | EA | Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK) | 3,195.17 | 188.64 |
| 22 47 13 00-0026 | EA | Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCDWSK) | 3,056.11 | 188.64 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 47 13 00-0027 | EA | Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCDWSK) | 2,929.69 | 188.64 |
| 22 47 13 00-0028 | EA | Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK) | 2,664.21 | 188.64 |
| 22 47 13 00-0029 | EA | Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK) | 2,550.43 | 188.64 |
| 22 47 13 00-0030 | EA | Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK) | 2,424.01 | 188.64 |
| 22 47 13 00-0031 | EA | Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK) | 2,424.01 | 188.64 |
| 22 47 13 00-0032 | EA | Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK) | 2,310.23 | 188.64 |
| 22 47 13 00-0033 | EA | Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK) | 2,310.23 | 188.64 |
| 22 47 13 00-0034 | EA | Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK) | 2,259.66 | 188.64 |
| 22 47 13 00-0035 | EA | Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK) | 2,259.66 | 188.64 |
| 22 47 13 00-0036 | EA | Stainless Steel Wall-Mounted Indoor Chillded Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK) | 2,145.89 | 188.64 |
| 22 47 13 00-0037 | EA | Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK) | 2,082.68 | 188.64 |
| 22 47 13 00-0038 | EA | Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP) | 1,994.18 | 188.64 |
| 22 47 13 00-0039 | EA | Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK) | 1,956.26 | 188.64 |
| 22 47 13 00-0040 | EA | Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK) | 1,829.84 | 188.64 |
| 22 47 13 00-0041 | EA | Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK) | 2,082.68 | 188.64 |
| 22 47 13 00-0042 | EA | Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK) | 1,829.84 | 188.64 |
| 22 47 13 00-0043 | EA | Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK) | 1,941.27 | 188.64 |
| 22 47 13 00-0044 | EA | Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP) | 1,943.61 | 188.64 |
| 22 47 13 00-0045 | EA | Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM) | 1,608.27 | 134.74 |
| 22 47 13 00-0046 | EA | Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF) | 1,203.72 | 134.74 |
| **22 47 13 00-0047** | | **Semi-Recessed Indoor Drinking Fountain** *(22 47 13 00-0005)* | | |
| 22 47 13 00-0048 | EA | Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801) | 2,271.07 | 202.10 |
| 22 47 13 00-0049 | EA | Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C) | 5,049.68 | 202.10 |
| **22 47 13 00-0050** | | **Fully Recessed Indoor Drinking Fountain** *(22 47 13 00-0005)* | | |
| 22 47 13 00-0051 | EA | Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400) | 2,429.64 | 215.58 |
| 22 47 13 00-0052 | EA | Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403) | 4,561.35 | 215.58 |
| 22 47 13 00-0053 | EA | Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2401) | 2,983.43 | 215.58 |
| 22 47 13 00-0054 | EA | Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2406) | 6,929.02 | 215.58 |
| 22 47 13 00-0055 | EA | Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler (Haws 2403) | 4,668.89 | 215.58 |
| **22 47 13 00-0056** | | **Countertop Indoor Drinking Fountain** *(22 47 13 00-0005)* | | |
| 22 47 13 00-0057 | EA | Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000) | 974.16 | 134.74 |
| 22 47 13 00-0058 | EA | Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000) | 934.03 | 134.74 |
| 22 47 13 00-0059 | EA | Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028) | 1,153.95 | 134.74 |
| **22 47 13 00-0060** | | **Bowl And Bracket Indoor Drinking Fountain** *(22 47 13 00-0005)* | | |
| 22 47 13 00-0061 | EA | Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A) | 807.22 | 134.74 |
| 22 47 13 00-0062 | EA | Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540) | 993.64 | 134.74 |
| **22 47 13 00-0063** | | **Multi-Station Indoor Drinking Fountain** *(22 47 13 00-0005)* | | |
| 22 47 13 00-0064 | EA | Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020) | 4,745.94 | 215.58 |
| 22 47 13 00-0065 | EA | Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030) | 6,010.78 | 215.58 |
| 22 47 13 00-0066 | EA | Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120) | 4,519.44 | 215.58 |
| 22 47 13 00-0067 | EA | Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430) | 3,786.03 | 215.58 |
| 22 47 13 00-0068 | EA | Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435) | 4,810.15 | 215.58 |
| 22 47 13 00-0069 | EA | Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4) | 4,122.72 | 275.00 |
| 22 47 13 00-0070 | EA | Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441) | 5,565.72 | 215.58 |
| 22 47 13 00-0071 | EA | Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408) | 5,466.79 | 215.58 |
| 22 47 13 00-0072 | EA | Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1431) | 3,934.35 | 215.58 |
| 22 47 13 00-0073 | EA | Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1501) | 4,012.37 | 215.58 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 47 13 00-0074 | EA | White Enameled Iron, Dual Height, Drinking Fountain (Haws 1501 with 6715) | 4,615.02 | 275.00 |
| **22 47 13 00-0075** | | **Outdoor Drinking Fountains** *(22 47 13)* | | |
| **22 47 13 00-0076** | | **Face Mounted Outdoor Drinking Fountains** *(22 47 13 00-0075)* | | |
| 22 47 13 00-0077 | EA | Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR) | 2,100.31 | 215.58 |
| 22 47 13 00-0078 | EA | Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR) | 2,318.28 | 215.58 |
| 22 47 13 00-0079 | EA | Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592) | 2,223.64 | 215.58 |
| 22 47 13 00-0080 | EA | Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR) | 3,339.27 | 215.58 |
| **22 47 13 00-0081** | | **Free Standing Outdoor Drinking Fountains** *(22 47 13 00-0075)* | | |
| 22 47 13 00-0082 | EA | Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715) | 4,146.89 | 202.10 |
| 22 47 13 00-0083 | EA | Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR) | 5,886.31 | 202.10 |
| 22 47 13 00-0084 | EA | Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710) | 4,141.11 | 202.10 |
| 22 47 13 00-0085 | EA | Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR) | 5,775.21 | 202.10 |
| 22 47 13 00-0086 | EA | Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720) | 6,227.31 | 215.58 |
| 22 47 13 00-0087 | EA | Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR) | 6,343.46 | 215.58 |
| 22 47 13 00-0088 | EA | Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591) | 2,265.51 | 202.10 |
| 22 47 13 00-0089 | EA | Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590) | 4,020.70 | 202.10 |
| 22 47 13 00-0090 | EA | Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR) | 5,760.12 | 202.10 |
| 22 47 13 00-0091 | EA | Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595) | 6,796.60 | 215.58 |
| 22 47 13 00-0092 | EA | Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR) | 9,604.34 | 215.58 |
| 22 47 13 00-0093 | EA | Hi-Lo Pedestal Style Drinking Fountain (Haws Model 3500) | 7,352.79 | 215.58 |
| 22 47 13 00-0094 | EA | Pedestal Outdoor Drinking Fountain, Triple (Haws 3502) | 9,619.34 | 215.58 |
| **22 47 13 00-0095** | | **Wall Mounted Outdoor Drinking Fountains** *(22 47 13 00-0075)* | | |
| 22 47 13 00-0096 | EA | Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1105) | 2,183.07 | 202.10 |
| 22 47 13 00-0097 | EA | Stainless Steel, Single Low Profile Wall Mounted Drinking Fountain (Haws 1107L) | 2,617.69 | 202.10 |
| 22 47 13 00-0098 | EA | Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1109) | 2,426.64 | 202.10 |
| 22 47 13 00-0099 | EA | White Polymarble Barrier-Free Single Drinking Fountain (Haws 1075) | 2,613.12 | 202.10 |
| 22 47 13 00-0100 | EA | Vitreous China Single Drinking Fountain (Haws 1201) | 2,130.64 | 202.10 |
| **22 47 13 00-0101** | | **Multi-Station Outdoor Drinking Fountains** *(22 47 13 00-0075)* | | |
| 22 47 13 00-0102 | EA | Stainless Steel, Hi/Lo Wall Mounted Drinking Fountain (Haws 1119) | 3,891.98 | 215.58 |
| 22 47 13 00-0103 | EA | Stainless Steel, 3 Position Adjustable Hi/Lo Wall Mounted Drinking Fountain (Haws 1117L) | 4,744.22 | 215.58 |
| 22 47 13 00-0104 | EA | White Polymarble Barrier-Free Two Bowl (Hi-Lo) Drinking Fountain (Haws 1085) | 5,580.52 | 215.58 |
| 22 47 13 00-0105 | EA | White Cast Aluminum Three Station Outdoor Drinking Fountains With Bubblers (Haws 1408) | 4,615.92 | 215.58 |
| **22 47 16** | | **Pressure Water Coolers** *(22 47)* | | |
| **22 47 16 00-0001** | | **Indoor Water Coolers** *(22 47 16)* | | |
| **22 47 16 00-0002** | | **Face Mounted Indoor Water Coolers** *(22 47 16 00-0001)* | | |
| 22 47 16 00-0003 | EA | Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q) | 4,768.95 | 215.58 |
| 22 47 16 00-0004 | EA | Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q) | 5,103.07 | 215.58 |
| **22 47 16 00-0005** | | **Wall Mounted Indoor Water Coolers** *(22 47 16 00-0001)* | | |
| 22 47 16 00-0006 | EA | Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q) | 2,180.62 | 215.58 |
| 22 47 16 00-0007 | EA | Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q) | 2,266.66 | 215.58 |
| 22 47 16 00-0008 | EA | Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q) | 2,536.24 | 215.58 |
| 22 47 16 00-0009 | EA | Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS) | 2,639.49 | 215.58 |
| 22 47 16 00-0010 | EA | Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA) | 1,911.03 | 215.58 |
| 22 47 16 00-0011 | EA | Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS) | 2,240.84 | 215.58 |
| 22 47 16 00-0012 | EA | Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS) | 1,726.04 | 215.58 |
| 22 47 16 00-0013 | EA | Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL) | 2,682.98 | 215.58 |
| 22 47 16 00-0014 | EA | Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS) | 2,923.90 | 323.37 |
| **22 47 16 00-0015** | | **Simulated Recessed Indoor Water Coolers** *(22 47 16 00-0001)* | | |
| 22 47 16 00-0016 | EA | Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q) | 2,633.50 | 215.58 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 47 16 00-0017** | | **Fully Recessed Indoor Water Coolers** *(22 47 16 00-0001)* | | |
| 22 47 16 00-0018 | EA | Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q) | 5,255.87 | 242.53 |
| 22 47 16 00-0019 | EA | Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762) | 6,462.79 | 242.53 |
| 22 47 16 00-0020 | EA | Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700) | 7,597.67 | 242.53 |
| **22 47 16 00-0021** | | **Free Standing Indoor Water Coolers** *(22 47 16 00-0001)* | | |
| 22 47 16 00-0022 | EA | Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q) | 2,116.68 | 188.64 |
| 22 47 16 00-0023 | EA | Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q) | 2,284.45 | 188.64 |
| 22 47 16 00-0024 | EA | Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q) | 2,612.84 | 188.64 |
| 22 47 16 00-0025 | EA | Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q) | 2,924.01 | 188.64 |
| **22 47 16 00-0026** | | **Bottled Water Coolers** *(22 47 16 00-0001)* | | |
| 22 47 16 00-0027 | EA | Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water | 699.28 | 107.79 |
| 22 47 16 00-0028 | EA | Free-Standing Bottled Water Cooler With Chilled Or Hot Water | 853.38 | 107.79 |
| **22 47 16 00-0029** | | **Multi-Station Indoor Water Coolers** *(22 47 16 00-0001)* | | |
| 22 47 16 00-0030 | EA | Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q) | 6,266.90 | 323.37 |
| 22 47 16 00-0031 | EA | Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semicircular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q) | 7,232.99 | 323.37 |
| 22 47 16 00-0032 | EA | Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS) | 3,192.06 | 323.37 |
| **22 47 16 00-0033** | | **Outdoor Water Coolers** *(22 47 16)* | | |
| **22 47 16 00-0034** | | **Wall Mounted Outdoor Water Coolers** *(22 47 16 00-0033)* | | |
| 22 47 16 00-0035 | EA | Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS) | 2,332.17 | 134.74 |
| 22 47 16 00-0036 | EA | Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS) | 4,089.61 | 134.74 |
| **22 47 16 00-0037** | | **Free Standing Outdoor Water Coolers** *(22 47 16 00-0033)* | | |
| 22 47 16 00-0038 | EA | Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q) | 3,864.40 | 202.10 |
| 22 47 16 00-0039 | EA | Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q) | 4,667.43 | 202.10 |
| **22 47 16 00-0040** | | **Removal And Reinstallation Of Fixtures And Trim** *(22 47 16)* | | |
| | | Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture. | | |
| 22 47 16 00-0041 | EA | Removal And Reinstallation Of Wall Hung Water Cooler | 523.88 | |
| 22 47 16 00-0042 | EA | Removal And Reinstallation Of Floor Mount Water Cooler | 117.05 | |
| **22 47 19** | | **Water-Station Water Coolers** *(22 47)* | | |
| **22 47 19 00-0001** | | **Bottle Filler** *(22 47 19)* | | |
| 22 47 19 00-0002 | EA | Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF) | 4,298.35 | 215.58 |
| | | *For Stainless Steel Carrier, Add* | *205.00* | |
| 22 47 19 00-0003 | EA | Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK) | 7,204.76 | 215.58 |
| | | *For Stainless Steel Carrier, Add* | *205.00* | |
| 22 47 19 00-0004 | EA | Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1) | 9,277.97 | 242.53 |
| | | *For Stainless Steel Carrier, Add* | *205.00* | |
| 22 47 19 00-0005 | EA | Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2) | 10,041.89 | 242.53 |
| | | *For Stainless Steel Carrier, Add* | *205.00* | |
| 22 47 19 00-0006 | EA | Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3) | 10,805.81 | 242.53 |
| | | *For Stainless Steel Carrier, Add* | *205.00* | |
| **22 47 23** | | **Remote Water Coolers** *(22 47)* | | |
| **22 47 23 00-0001** | | **Remote Chillers** *(22 47 23)* | | |
| 22 47 23 00-0002 | EA | 1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q) | 1,347.19 | 72.76 |
| 22 47 23 00-0003 | EA | 5 GPH Remote Chiller (Halsey-Taylor SJ5-Q) | 2,071.74 | 80.85 |
| 22 47 23 00-0004 | EA | 8 GPH Remote Chiller (Halsey-Taylor SJ8-Q) | 1,760.27 | 94.31 |
| 22 47 23 00-0005 | EA | 10 GPH Remote Chiller (Halsey-Taylor SJ10-Q) | 2,276.21 | 107.79 |
| 22 47 23 00-0006 | EA | 19 GPH Remote Chiller (Halsey-Taylor SJ19-Q) | 3,571.35 | 161.69 |
| 22 47 23 00-0007 | EA | 30 GPH Remote Chiller (Halsey-Taylor SJ30-Q) | 3,872.15 | 175.16 |
| **22 47 26** | | **Fixture Carriers** *(22 47)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 47 26 00-0001 | | Water Cooler Carriers *(22 47 26)* | | |
| 22 47 26 00-0002 | | Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)*<br>Note: Includes adjustable supporting rods, structural uprights and welded feet. | | |
| 22 47 26 00-0003 | EA | Floor Mounted Hanger Plate Type, Single Water Cooler Carrier | 597.71 | 40.96 |
| | | *For Up To 4" Extension Sleeves And Hardware, Add* | *33.74* | |
| | | *For Bi-Level Carrier, Add* | *371.74* | |
| 22 47 26 00-0004 | EA | Floor Mounted Bearing Plate Type, Single Water Cooler Carrier | 711.53 | 40.96 |
| | | *For Up To 4" Extension Sleeves And Hardware, Add* | *33.74* | |
| | | *For Bi-Level Carrier, Add* | *371.74* | |

# 22 50 Pool and Fountain Plumbing Systems *(22)*

## 22 51 Swimming Pool Plumbing Systems *(22 50)*

### 22 51 13 Swimming Pool Piping *(22 51)*

| | | | | |
|---|---|---|---|---|
| 22 51 13 00-0001 | | Swimming Pool Gutters *(22 51 13)* | | |
| 22 51 13 00-0002 | LF | Swimming Pool Gutters, Stainless | 277.68 | 24.26 |
| 22 51 13 00-0003 | | Pool Drains *(22 51 13)* | | |
| 22 51 13 00-0004 | | Cast Iron Pool Drain With Bottom Outlet *(22 51 13 00-0003)*<br>Note: Large square top and 24" loose set round super-flo grate. | | |
| 22 51 13 00-0005 | EA | Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate | 2,375.57 | 67.91 |
| | | *For Polished Bronze Top, Add* | *769.60* | |
| | | *For Chromium Plated Top, Add* | *805.00* | |
| | | *For Galvanized Top, Add* | *276.40* | |
| | | *For Vandal Proof Construction, Add* | *57.20* | |
| 22 51 13 00-0006 | | Cast Iron Pool Drain With Waterproof Flange *(22 51 13 00-0003)*<br>Note: Bottom outlet 14" square top and loose set square flange. | | |
| 22 51 13 00-0007 | EA | Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top | 706.72 | 67.91 |
| | | *For Clamp Device, Add* | *13.80* | |
| | | *For Galvanized Top, Add* | *38.10* | |
| | | *For Polished Bronze Top, Add* | *133.50* | |
| | | *For Chromium Plated Top, Add* | *146.90* | |
| | | *For Hinge Grate, Add* | *28.60* | |
| | | *For Supplementary Strainer, Add* | *7.00* | |
| | | *For Threaded Outlet, Add* | *9.50* | |
| | | *For Vandal Proof Construction, Add* | *17.10* | |
| | | *For Ground Screw, Add* | *18.30* | |
| 22 51 13 00-0008 | | Pool Supply Fittings *(22 51 13)* | | |
| 22 51 13 00-0009 | | Cast Iron Pool Supply Fittings *(22 51 13 00-0008)*<br>Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet. | | |
| 22 51 13 00-0010 | EA | Cast Iron Pool Fitting For 2" Pipe | 898.10 | 121.27 |
| | | *For Galvanized Head, Add* | *26.30* | |
| | | *For Vandal Proof Construction, Add* | *11.50* | |
| | | *For Grounding Screw, Add* | *18.30* | |
| 22 51 13 00-0011 | EA | Cast Iron Pool Fitting For 3" Pipe | 898.10 | 121.27 |
| | | *For Chromium Plated Head, Add* | *11.50* | |
| | | *For Galvanized Head, Add* | *26.30* | |
| | | *For Vandal Proof Construction, Add* | *11.50* | |
| | | *For Grounding Screw, Add* | *18.30* | |

### 22 51 16 Swimming Pool Pumps *(22 51)*

| | | | | |
|---|---|---|---|---|
| 22 51 16 00-0001 | | Variable Speed Pool Pumps *(22 51 16)* | | |
| 22 51 16 00-0002 | EA | 3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017) | 2,815.47 | 458.11 |
| 22 51 16 00-0003 | EA | Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP) | 3,085.00 | 458.11 |
| 22 51 16 00-0004 | EA | Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR) | 3,446.76 | 458.11 |
| 22 51 16 00-0005 | | Electric Powered Portable Vacuum Cleaner Pump *(22 51 16)*<br>Note: Includes 75' of 3 wire electric safety cord. | | |
| 22 51 16 00-0006 | EA | 1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord | 372.06 | 53.90 |
| 22 51 16 00-0007 | EA | 1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord | 644.90 | 53.90 |
| 22 51 16 00-0008 | | Gasoline Driven Portable Vacuum Cleaner Pump *(22 51 16)* | | |
| 22 51 16 00-0009 | EA | 3 HP Gasoline Driven Portable Vacuum Cleaner Pump | 2,458.76 | 53.90 |

### 22 51 19 Swimming Pool Water Treatment Equipment *(22 51)*

| | | | | |
|---|---|---|---|---|
| 22 51 19 00-0001 | | Swimming Pool Heaters *(22 51 19)*<br>Note: Excludes wiring, external piping, base or pad. Commercial pools. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 51 19 00-0002** | | **Electric Pool Heaters** *(22 51 19 00-0001)* | | |
| 22 51 19 00-0003 | EA | 12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool | 4,341.76 | 215.58 |
| 22 51 19 00-0004 | EA | 18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool | 4,853.05 | 231.75 |
| 22 51 19 00-0005 | EA | 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool | 5,390.87 | 269.48 |
| 22 51 19 00-0006 | EA | 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool | 5,704.05 | 323.37 |
| 22 51 19 00-0007 | EA | 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool | 6,268.75 | 452.72 |
| 22 51 19 00-0008 | EA | 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool | 7,176.63 | 646.74 |
| **22 51 19 00-0009** | | **Gas Fired Pool Heaters** *(22 51 19 00-0001)* | | |
| 22 51 19 00-0010 | EA | 120 MBH Output Gas Fired Pool Heater | 6,163.92 | 1,051.68 |
| 22 51 19 00-0011 | EA | 180 MBH Output Gas Fired Pool Heater | 7,000.40 | 1,201.92 |
| 22 51 19 00-0012 | EA | 240 MBH Output Gas Fired Pool Heater | 7,910.94 | 1,352.16 |
| 22 51 19 00-0013 | EA | 300 MBH Output Gas Fired Pool Heater | 9,090.29 | 1,652.64 |
| 22 51 19 00-0014 | EA | 360 MBH Output Gas Fired Pool Heater | 9,363.09 | 1,746.39 |
| 22 51 19 00-0015 | EA | 400 MBH Output Gas Fired Pool Heater | 10,947.22 | 2,131.53 |
| 22 51 19 00-0016 | EA | 500 MBH Output Gas Fired Pool Heater | 17,352.78 | 2,459.45 |
| 22 51 19 00-0017 | EA | 600 MBH Output Gas Fired Pool Heater | 20,143.33 | 2,705.40 |
| 22 51 19 00-0018 | EA | 750 MBH Output Gas Fired Pool Heater | 22,729.64 | 2,951.34 |
| 22 51 19 00-0019 | EA | 1,000 MBH Output Gas Fired Pool Heater | 29,188.10 | 3,484.23 |
| **22 51 19 00-0020** | | **Condensing Pool Water Heater** *(22 51 19)* | | |
| 22 51 19 00-0021 | EA | 372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400) | 41,465.63 | 772.57 |
| 22 51 19 00-0022 | EA | 467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501) | 45,157.94 | 927.08 |
| 22 51 19 00-0023 | EA | 567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601) | 49,522.88 | 1,004.34 |
| 22 51 19 00-0024 | EA | 660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701) | 60,866.00 | 1,081.59 |
| 22 51 19 00-0025 | EA | 773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801) | 63,127.18 | 1,158.85 |
| 22 51 19 00-0026 | EA | 967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015) | 95,758.96 | 1,390.62 |
| 22 51 19 00-0027 | EA | 1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320) | 122,769.17 | 1,467.87 |
| 22 51 19 00-0028 | EA | 1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520) | 127,709.41 | 1,583.76 |
| **22 51 19 00-0029** | | **Non-Condensing Pool Water Heater** *(22 51 19)* | | |
| 22 51 19 00-0030 | EA | 500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0502) | 22,216.77 | 1,004.34 |
| 22 51 19 00-0031 | EA | 650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0652) | 23,675.61 | 1,081.59 |
| 22 51 19 00-0032 | EA | 750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0752) | 25,796.54 | 1,158.85 |
| 22 51 19 00-0033 | EA | 990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0992) | 34,116.35 | 1,390.62 |
| 22 51 19 00-0034 | EA | 1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1262) | 39,560.86 | 1,467.87 |
| 22 51 19 00-0035 | EA | 1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1442) | 42,229.40 | 1,583.76 |
| 22 51 19 00-0036 | EA | 1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1802) | 41,824.24 | 1,661.02 |
| 22 51 19 00-0037 | EA | 2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN2072) | 54,294.61 | 1,699.65 |
| **22 51 19 00-0038** | | **Surge Tanks** *(22 51 19)*<br>Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump. | | |
| 22 51 19 00-0039 | EA | 1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch | 22,345.27 | 859.10 |
| 22 51 19 00-0040 | EA | 1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch | 25,116.61 | 859.10 |
| 22 51 19 00-0041 | EA | 2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch | 30,245.62 | 1,095.22 |
| 22 51 19 00-0042 | EA | 5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch | 39,818.43 | 1,767.58 |
| **22 51 19 00-0043** | | **Diatomite Type Filter System** *(22 51 19)* | | |
| 22 51 19 00-0044 | EA | 35,000 Gallon Filter System, Diatomite | 14,865.64 | 3,051.99 |
| 22 51 19 00-0045 | EA | 45,000 Gallon Filter System, Diatomite | 17,724.57 | 3,662.39 |
| **22 51 19 00-0046** | | **Silver Recovery System, X-Ray Film Processing** *(22 51 19)* | | |
| 22 51 19 00-0047 | EA | 20 Gallon/Day Capacity, Silver Recovery System | 2,013.33 | 365.80 |
| 22 51 19 00-0048 | EA | 40 Gallon/Day Capacity, Silver Recovery System | 2,956.31 | 487.77 |
| **22 51 19 00-0049** | | **Inline Water Filter** *(22 51 19)*<br>Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge. | | |
| 22 51 19 00-0050 | EA | 2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body | 265.15 | 107.79 |
| 22 51 19 00-0051 | EA | 6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body | 482.99 | 161.69 |
| **22 51 19 00-0052** | | **Horizontal High Rate Sand Filters** *(22 51 19)*<br>Note: Includes sand, filter system equipment and attached accessory gauges. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 51 19 00-0053 | EA | 135-270 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 1 tank, 4" pipe size, Miami Tanks model # HH3614-A. | 41,944.64 | 2,305.62 |
| 22 51 19 00-0054 | EA | 135-270 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 1 tank, 4" pipe size, Miami tanks model # HH3614-M. | 25,558.38 | 2,305.62 |
| 22 51 19 00-0055 | EA | 270-405 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-A. | 57,981.98 | 4,611.23 |
| 22 51 19 00-0056 | EA | 270-405 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-M. | 45,831.16 | 4,611.23 |
| 22 51 19 00-0057 | EA | 270-540 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-A. | 59,609.32 | 4,611.23 |
| 22 51 19 00-0058 | EA | 270-540 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-M. | 47,701.52 | 4,611.23 |
| 22 51 19 00-0059 | EA | 405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-A. | 81,431.13 | 6,916.84 |
| 22 51 19 00-0060 | EA | 405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-M. | 63,356.78 | 6,916.84 |
| 22 51 19 00-0061 | EA | 405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-A. | 83,774.50 | 6,916.84 |
| 22 51 19 00-0062 | EA | 405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-M. | 70,135.82 | 6,916.84 |
| 22 51 19 00-0063 | EA | 540-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-A. | 105,101.45 | 9,222.46 |
| 22 51 19 00-0064 | EA | 540-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-M. | 89,787.08 | 9,222.46 |
| 22 51 19 00-0065 | EA | 675 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-A. | 127,778.89 | 11,528.07 |
| 22 51 19 00-0066 | EA | 675 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-M. | 108,055.50 | 11,528.07 |
| 22 51 19 00-0067 | EA | 675-1350 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-A. | 131,376.41 | 11,528.07 |
| 22 51 19 00-0068 | EA | 675-1350 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-M. | 111,988.40 | 11,528.07 |
| 22 51 19 00-0069 | EA | 810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-A. | 151,719.41 | 13,833.69 |
| 22 51 19 00-0070 | EA | 810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-M. | 129,778.50 | 13,833.69 |
| 22 51 19 00-0071 | EA | 810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-A. | 154,861.27 | 13,833.69 |
| 22 51 19 00-0072 | EA | 810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-M. | 132,336.74 | 13,833.69 |
| 22 51 19 00-0073 | EA | 810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-A. | 159,066.32 | 13,833.69 |
| 22 51 19 00-0074 | EA | 810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-M. | 126,923.05 | 13,833.69 |
| 22 51 19 00-0075 | EA | 945-1418 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-A. | 178,820.50 | 16,139.31 |
| 22 51 19 00-0076 | EA | 945-1418 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-M. | 156,878.03 | 16,139.31 |
| 22 51 19 00-0077 | EA | 945-1890 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-A. | 184,108.90 | 16,139.31 |
| 22 51 19 00-0078 | EA | 945-1890 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-M. | 161,573.46 | 16,139.31 |
| 22 51 19 00-0079 | EA | 1080-2160 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls<br>Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-A. | 204,869.56 | 18,444.91 |
| 22 51 19 00-0080 | EA | 1080-2160 GPM Horizontal Hi-Rate Sand Filter, Manual Controls<br>Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-M. | 182,577.14 | 18,444.91 |
| **22 51 19 00-0081** | | **Swimming Pool Chlorinators** *(22 51 19)* | | |
| 22 51 19 00-0082 | EA | Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator | 1,136.68 | 154.14 |
| **22 51 19 00-0083** | | **Ultra-Violet Pool Treatment Lights** *(22 51 19)* | | |
| **22 51 19 00-0084** | | **Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0083)*<br>Note: Delta ELP Amalgam Series | | |
| 22 51 19 00-0085 | EA | 3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 16,140.95 | 336.09 |
| 22 51 19 00-0086 | EA | 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 17,068.42 | 336.09 |
| 22 51 19 00-0087 | EA | 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 17,863.40 | 336.09 |
| 22 51 19 00-0088 | EA | 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 18,426.73 | 355.90 |
| 22 51 19 00-0089 | EA | 4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 18,820.69 | 355.90 |
| 22 51 19 00-0090 | EA | 4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 22,398.02 | 355.90 |
| 22 51 19 00-0091 | EA | 6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 26,404.15 | 639.13 |
| 22 51 19 00-0092 | EA | 6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 39,204.38 | 639.13 |
| 22 51 19 00-0093 | EA | 6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 43,049.95 | 639.13 |
| 22 51 19 00-0094 | EA | 8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 46,152.38 | 766.75 |
| 22 51 19 00-0095 | EA | 8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 49,577.82 | 766.75 |
| 22 51 19 00-0096 | EA | 8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 51,969.19 | 766.75 |
| 22 51 19 00-0097 | EA | 8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 54,554.44 | 766.75 |
| 22 51 19 00-0098 | EA | 10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 58,590.01 | 871.55 |
| 22 51 19 00-0099 | EA | 10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 63,114.22 | 871.55 |
| 22 51 19 00-0100 | EA | 10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 67,638.40 | 871.55 |
| 22 51 19 00-0101 | EA | 10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 73,132.06 | 871.55 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 51 19 00-0102 | | HDPE Ultra-Violet Pool Treatment Lights *(22 51 19 00-0083)* | | |
| | | Note: Delta EL Series | | |
| 22 51 19 00-0103 | EA | 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing | 8,013.61 | 336.09 |
| 22 51 19 00-0104 | EA | 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing | 8,918.41 | 336.09 |
| 22 51 19 00-0105 | EA | 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing | 9,853.12 | 355.90 |
| 22 51 19 00-0106 | | In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights *(22 51 19 00-0083)* | | |
| | | Note: Delta EM Series | | |
| 22 51 19 00-0107 | EA | 3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 31,280.85 | 336.09 |
| 22 51 19 00-0108 | EA | 3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 31,603.98 | 336.09 |
| 22 51 19 00-0109 | EA | 6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 33,691.35 | 639.13 |
| 22 51 19 00-0110 | EA | 6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 42,700.93 | 639.13 |
| 22 51 19 00-0111 | EA | 8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 59,595.68 | 766.75 |
| 22 51 19 00-0112 | EA | 10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 67,250.62 | 871.55 |
| 22 51 19 00-0113 | EA | 12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 79,273.32 | 1,127.82 |
| 22 51 19 00-0114 | EA | 12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing | 88,967.99 | 1,127.82 |
| **22 51 23** | | **Swimming Pool Equipment Controls** *(22 51)* | | |
| 22 51 23 00-0001 | | Pool Pump Variable Frequency Drive *(22 51 23)* | | |
| | | Note: Pentair Acu Drive XS | | |
| 22 51 23 00-0002 | EA | 3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01) | 4,777.37 | 242.43 |
| 22 51 23 00-0003 | EA | 5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01) | 5,129.35 | 272.74 |
| 22 51 23 00-0004 | EA | 7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01) | 6,143.39 | 340.92 |
| 22 51 23 00-0005 | EA | 10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01) | 6,532.59 | 406.83 |
| 22 51 23 00-0006 | EA | 15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01) | 6,991.40 | 473.50 |
| 22 51 23 00-0007 | EA | 20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01) | 7,923.78 | 540.93 |
| 22 51 23 00-0008 | EA | 3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01) | 4,783.40 | 242.43 |
| 22 51 23 00-0009 | EA | 5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01) | 5,042.93 | 272.74 |
| 22 51 23 00-0010 | EA | 7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01) | 5,435.94 | 340.92 |
| 22 51 23 00-0011 | EA | 10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01) | 5,845.24 | 406.83 |
| 22 51 23 00-0012 | EA | 15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01) | 6,892.92 | 473.50 |
| 22 51 23 00-0013 | EA | 20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01) | 7,656.48 | 540.93 |
| 22 51 23 00-0014 | EA | 3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB) | 6,172.18 | 242.43 |
| 22 51 23 00-0015 | EA | 5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB) | 7,096.95 | 272.74 |
| 22 51 23 00-0016 | EA | 7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB) | 7,887.89 | 340.92 |
| 22 51 23 00-0017 | EA | 10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB) | 8,504.20 | 406.83 |
| 22 51 23 00-0018 | EA | 15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB) | 10,012.13 | 473.50 |
| 22 51 23 00-0019 | EA | 20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB) | 11,288.19 | 540.93 |
| 22 51 23 00-0020 | EA | 3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB) | 6,628.40 | 242.43 |
| 22 51 23 00-0021 | EA | 5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB) | 6,892.35 | 272.74 |
| 22 51 23 00-0022 | EA | 7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB) | 7,278.92 | 340.92 |
| 22 51 23 00-0023 | EA | 10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB) | 7,690.23 | 406.83 |
| 22 51 23 00-0024 | EA | 15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB) | 8,776.11 | 473.50 |
| 22 51 23 00-0025 | EA | 20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB) | 9,601.96 | 540.93 |
| 22 51 23 00-0026 | EA | 1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12) | 4,545.93 | 242.43 |
| 22 51 23 00-0027 | EA | 3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12) | 4,621.70 | 242.43 |
| 22 51 23 00-0028 | EA | 1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12) | 4,668.50 | 242.43 |
| 22 51 23 00-0029 | EA | 1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12) | 4,794.62 | 242.43 |
| 22 51 23 00-0030 | EA | 2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12) | 4,985.13 | 242.43 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 51 23 00-0031 | EA | 3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12) | 5,132.91 | 242.43 |
| 22 51 23 00-0032 | EA | 5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12) | 5,494.94 | 272.74 |
| 22 51 23 00-0033 | EA | 7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12) | 6,551.13 | 340.92 |
| 22 51 23 00-0034 | EA | 10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12) | 7,006.84 | 406.83 |
| 22 51 23 00-0035 | EA | 15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12) | 7,479.80 | 473.50 |
| 22 51 23 00-0036 | EA | 20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12) | 8,498.40 | 540.93 |
| 22 51 23 00-0037 | EA | 25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12) | 11,163.08 | 674.26 |
| 22 51 23 00-0038 | EA | 30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12) | 12,322.92 | 742.44 |
| 22 51 23 00-0039 | EA | 40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12) | 14,577.27 | 810.62 |
| 22 51 23 00-0040 | EA | 50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12) | 16,960.84 | 947.00 |
| 22 51 23 00-0041 | EA | 60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12) | 18,580.16 | 1,015.18 |
| 22 51 23 00-0042 | EA | 1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12) | 4,640.35 | 242.43 |
| 22 51 23 00-0043 | EA | 3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12) | 4,738.20 | 242.43 |
| 22 51 23 00-0044 | EA | 1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12) | 4,861.32 | 242.43 |
| 22 51 23 00-0045 | EA | 1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12) | 4,967.16 | 242.43 |
| 22 51 23 00-0046 | EA | 2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12) | 5,075.01 | 242.43 |
| 22 51 23 00-0047 | EA | 3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12) | 5,188.82 | 242.43 |
| 22 51 23 00-0048 | EA | 5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12) | 5,456.99 | 272.74 |
| 22 51 23 00-0049 | EA | 7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12) | 5,854.20 | 340.92 |
| 22 51 23 00-0050 | EA | 10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12) | 6,273.56 | 406.83 |
| 22 51 23 00-0051 | EA | 15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12) | 7,624.79 | 473.50 |
| 22 51 23 00-0052 | EA | 20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12) | 8,406.13 | 540.93 |
| 22 51 23 00-0053 | EA | 25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12) | 9,263.16 | 674.26 |
| 22 51 23 00-0054 | EA | 30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12) | 10,477.95 | 742.44 |
| 22 51 23 00-0055 | EA | 40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12) | 11,830.20 | 810.62 |
| 22 51 23 00-0056 | EA | 50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12) | 14,499.01 | 947.00 |
| 22 51 23 00-0057 | EA | 60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12) | 15,929.90 | 1,015.18 |
| 22 51 23 00-0058 | EA | 75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12) | 17,864.68 | 1,083.36 |
| 22 51 23 00-0059 | EA | 100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12) | 21,170.06 | 1,147.76 |
| 22 51 23 00-0060 | EA | 125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12) | 24,417.60 | 1,212.15 |
| 22 51 23 00-0061 | EA | 150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12) | 26,483.02 | 1,356.09 |
| 22 51 23 00-0062 | EA | 200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12) | 30,919.52 | 1,484.88 |
| 22 51 23 00-0063 | EA | 1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB) | 6,565.90 | 242.43 |
| 22 51 23 00-0064 | EA | 3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB) | 6,641.67 | 242.43 |
| 22 51 23 00-0065 | EA | 1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB) | 6,688.47 | 242.43 |
| 22 51 23 00-0066 | EA | 1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB) | 6,814.59 | 242.43 |
| 22 51 23 00-0067 | EA | 2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB) | 7,005.10 | 242.43 |
| 22 51 23 00-0068 | EA | 3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB) | 7,152.88 | 242.43 |
| 22 51 23 00-0069 | EA | 5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB) | 7,514.91 | 272.74 |
| 22 51 23 00-0070 | EA | 7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB) | 8,342.43 | 340.92 |
| 22 51 23 00-0071 | EA | 10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB) | 9,031.69 | 406.83 |
| 22 51 23 00-0072 | EA | 15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB) | 10,580.10 | 473.50 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 51 23 00-0073 | EA | 20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB) | 11,956.61 | 540.93 |
| 22 51 23 00-0074 | EA | 25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB) | 14,073.55 | 674.26 |
| 22 51 23 00-0075 | EA | 30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB) | 15,494.03 | 742.44 |
| 22 51 23 00-0076 | EA | 40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB) | 19,798.21 | 810.62 |
| 22 51 23 00-0077 | EA | 50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB) | 26,109.49 | 947.00 |
| 22 51 23 00-0078 | EA | 60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB) | 28,695.86 | 1,015.18 |
| 22 51 23 00-0079 | EA | 1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB) | 6,537.24 | 242.43 |
| 22 51 23 00-0080 | EA | 3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB) | 6,635.07 | 242.43 |
| 22 51 23 00-0081 | EA | 1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB) | 6,758.21 | 242.43 |
| 22 51 23 00-0082 | EA | 1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB) | 6,864.05 | 242.43 |
| 22 51 23 00-0083 | EA | 2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB) | 6,971.88 | 242.43 |
| 22 51 23 00-0084 | EA | 3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB) | 7,085.71 | 242.43 |
| 22 51 23 00-0085 | EA | 5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB) | 7,353.88 | 272.74 |
| 22 51 23 00-0086 | EA | 7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB) | 7,749.03 | 340.92 |
| 22 51 23 00-0087 | EA | 10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB) | 8,168.40 | 406.83 |
| 22 51 23 00-0088 | EA | 15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB) | 9,560.77 | 473.50 |
| 22 51 23 00-0089 | EA | 20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB) | 10,405.78 | 540.93 |
| 22 51 23 00-0090 | EA | 25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB) | 11,398.35 | 674.26 |
| 22 51 23 00-0091 | EA | 30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB) | 12,846.94 | 742.44 |
| 22 51 23 00-0092 | EA | 40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB) | 15,215.71 | 810.62 |
| 22 51 23 00-0093 | EA | 50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB) | 17,507.82 | 947.00 |
| 22 51 23 00-0094 | EA | 60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB) | 19,493.21 | 1,015.18 |
| 22 51 23 00-0095 | EA | 75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB) | 22,639.60 | 1,083.36 |
| 22 51 23 00-0096 | EA | 100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB) | 29,866.93 | 1,147.76 |
| 22 51 23 00-0097 | EA | 125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB) | 33,042.74 | 1,212.15 |
| 22 51 23 00-0098 | EA | 150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB) | 41,519.18 | 1,356.09 |
| 22 51 23 00-0099 | EA | 200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB) | 48,789.72 | 1,484.88 |
| 22 51 23 00-0100 | EA | 380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136) | 448.75 | |
| 22 51 23 00-0101 | EA | 380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236) | 716.09 | |
| 22 51 23 00-0102 | EA | 380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172) | 792.46 | |
| 22 51 23 00-0103 | EA | 380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272) | 1,346.24 | |
| 22 51 23 00-0104 | EA | 380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372) | 2,568.36 | |
| 22 51 23 00-0105 | EA | 3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT) | 1,600.72 | |
| 22 51 23 00-0106 | EA | 4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT) | 1,673.41 | |
| 22 51 23 00-0107 | EA | 6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT) | 1,825.81 | |
| 22 51 23 00-0108 | EA | 8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT) | 1,957.85 | |
| 22 51 23 00-0109 | EA | 3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT) | 2,293.33 | |
| 22 51 23 00-0110 | EA | 4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT) | 2,361.59 | |
| 22 51 23 00-0111 | EA | 6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT) | 2,506.93 | |
| 22 51 23 00-0112 | EA | 8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT) | 2,634.82 | |
| 22 51 23 00-0113 | EA | 10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT) | 3,150.16 | |
| 22 51 23 00-0114 | EA | 12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT) | 3,161.86 | |

22 51 23 00-0115 Eco-Flow-E Aquatic Variable Frequency Drive And Options *(22 51 23)*

22 51 23 00-0116 Eco-Flow-E Aquatic Variable Frequency Drive *(22 51 23 00-0115)*

| | | | | |
|---|---|---|---|---|
| 22 51 23 00-0117 | EA | 2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4) | 4,077.92 | 202.03 |
| | | *For Bypass Panel, Add* | *925.72* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 51 23 00-0118 | EA | 3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4) | 4,081.83 | 202.03 |
| | | *For Bypass Panel, Add* | *925.72* | |
| 22 51 23 00-0119 | EA | 5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4) | 4,153.21 | 227.28 |
| | | *For Bypass Panel, Add* | *925.72* | |
| 22 51 23 00-0120 | EA | 7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4) | 4,309.91 | 284.10 |
| | | *For Bypass Panel, Add* | *925.72* | |
| 22 51 23 00-0121 | EA | 10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4) | 4,661.11 | 339.02 |
| | | *For Bypass Panel, Add* | *925.72* | |
| 22 51 23 00-0122 | EA | 15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4) | 5,187.10 | 394.58 |
| | | *For Bypass Panel, Add* | *1,092.98* | |
| 22 51 23 00-0123 | EA | 20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4) | 6,113.58 | 450.76 |
| | | *For Bypass Panel, Add* | *1,092.98* | |
| 22 51 23 00-0124 | EA | 25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4) | 6,363.04 | 564.40 |
| | | *For Bypass Panel, Add* | *1,092.98* | |
| 22 51 23 00-0125 | EA | 30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4) | 7,611.75 | 620.59 |
| | | *For Bypass Panel, Add* | *1,092.98* | |
| 22 51 23 00-0126 | EA | 40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4) | 7,849.41 | 676.16 |
| | | *For Bypass Panel, Add* | *1,330.67* | |
| 22 51 23 00-0127 | EA | 1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2) | 4,055.74 | 202.03 |
| | | *For Bypass Panel, Add* | *925.72* | |
| 22 51 23 00-0128 | EA | 1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2) | 4,060.96 | 202.03 |
| | | *For Bypass Panel, Add* | *925.72* | |
| 22 51 23 00-0129 | EA | 1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2) | 4,085.74 | 202.03 |
| | | *For Bypass Panel, Add* | *925.72* | |
| 22 51 23 00-0130 | EA | 5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2) | 4,174.09 | 227.28 |
| | | *For Bypass Panel, Add* | *1,092.98* | |
| 22 51 23 00-0131 | EA | 3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2) | 4,534.31 | 284.10 |
| | | *For Bypass Panel, Add* | *1,092.98* | |
| 22 51 23 00-0132 | EA | 5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2) | 5,055.11 | 339.02 |
| | | *For Bypass Panel, Add* | *1,092.98* | |
| 22 51 23 00-0133 | EA | 7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2) | 5,989.46 | 394.58 |
| | | *For Bypass Panel, Add* | *1,330.67* | |
| 22 51 23 00-0134 | EA | 10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2) | 6,126.62 | 450.76 |
| | | *For Bypass Panel, Add* | *1,330.67* | |
| 22 51 23 00-0135 | EA | 25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2) | 7,481.11 | 564.40 |
| | | *For Bypass Panel, Add* | *1,808.43* | |
| 22 51 23 00-0136 | EA | 15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2) | 7,721.34 | 620.59 |
| | | *For Bypass Panel, Add* | *2,492.32* | |

## 22 51 23 00-0137 Eco-Flow-E Aquatic Variable Frequency Drive Options *(22 51 23 00-0115)*

| | | | | |
|---|---|---|---|---|
| 22 51 23 00-0138 | EA | 0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30) | 560.17 | 94.70 |
| 22 51 23 00-0139 | EA | 0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100) | 560.17 | 94.70 |
| 22 51 23 00-0140 | EA | Lightning Arrestor (H2Flow LA) | 593.33 | 63.13 |
| 22 51 23 00-0141 | EA | 2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00) | 667.39 | 28.40 |
| 22 51 23 00-0142 | EA | 3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00) | 689.36 | 31.57 |
| 22 51 23 00-0143 | EA | 5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00) | 706.11 | 34.72 |
| 22 51 23 00-0144 | EA | 7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00) | 737.21 | 37.88 |
| 22 51 23 00-0145 | EA | 10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00) | 751.35 | 41.03 |
| 22 51 23 00-0146 | EA | 15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00) | 980.76 | 44.19 |
| 22 51 23 00-0147 | EA | 20 HP, 480 Volt, Load Reactor (TCI V1K27A00) | 1,022.30 | 47.34 |
| 22 51 23 00-0148 | EA | 25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00) | 1,067.75 | 50.51 |
| 22 51 23 00-0149 | EA | 30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00) | 1,111.90 | 53.66 |
| 22 51 23 00-0150 | EA | 40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00) | 1,150.83 | 56.82 |
| 22 51 23 00-0151 | EA | 25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00) | 1,582.45 | 59.97 |
| 22 51 23 00-0152 | EA | 1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L) | 202.73 | 31.57 |
| 22 51 23 00-0153 | EA | 2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L) | 216.87 | 34.72 |
| 22 51 23 00-0154 | EA | 3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L) | 242.75 | 37.88 |
| 22 51 23 00-0155 | EA | 5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L) | 319.51 | 41.03 |
| 22 51 23 00-0156 | EA | 7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L) | 358.45 | 44.19 |
| 22 51 23 00-0157 | EA | 10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L) | 371.28 | 47.34 |
| 22 51 23 00-0158 | EA | 15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L) | 384.12 | 50.51 |
| 22 51 23 00-0159 | EA | 20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L) | 407.40 | 53.66 |
| 22 51 23 00-0160 | EA | 25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L) | 515.47 | 56.82 |
| 22 51 23 00-0161 | EA | 30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L) | 529.61 | 59.97 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 51 23 00-0162 | EA | 1 HP, 480 Volt, Line Reactor (TCI KDRA8L) | 204.03 | 31.57 |
| 22 51 23 00-0163 | EA | 2 HP, 480 Volt, Line Reactor (TCI KDRA1L) | 224.70 | 34.72 |
| 22 51 23 00-0164 | EA | 3 HP, 480 Volt, Line Reactor (TCI KDRA2L) | 246.67 | 37.88 |
| 22 51 23 00-0165 | EA | 5 HP, 480 Volt, Line Reactor (TCI KDRA3L) | 259.50 | 41.03 |
| 22 51 23 00-0166 | EA | 7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L) | 271.04 | 44.19 |
| 22 51 23 00-0167 | EA | 10 HP, 480 Volt, Line Reactor (TCI KDRA5L) | 339.97 | 47.34 |
| 22 51 23 00-0168 | EA | 15 HP, 480 Volt, Line Reactor (TCI KDRB2L) | 354.11 | 50.51 |
| 22 51 23 00-0169 | EA | 20 HP, 480 Volt, Line Reactor (TCI KDRB1L) | 372.17 | 53.66 |
| 22 51 23 00-0170 | EA | 25 HP, 480 Volt, Line Reactor (TCI KDRD1L) | 385.01 | 56.82 |
| 22 51 23 00-0171 | EA | 30 HP, 480 Volt, Line Reactor (TCI KDRD2L) | 464.37 | 59.97 |
| 22 51 23 00-0172 | EA | 40 HP, 480 Volt, Line Reactor (TCI KDRC1L) | 505.92 | 63.13 |
| 22 51 23 00-0173 | EA | Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit | 82.82 | |
| 22 51 23 00-0174 | EA | Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit | 112.79 | |
| 22 51 23 00-0175 | EA | Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit | 140.14 | |

### 22 51 23 00-0176 Pool Flow Meters *(22 51 23)*

| | | | | |
|---|---|---|---|---|
| 22 51 23 00-0177 | EA | 20 To 110 GPM, 1-1/2" Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15) | 145.39 | 21.56 |
| 22 51 23 00-0178 | EA | 20 To 110 GPM, 2" x 2-1/2" Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R) | 145.39 | 21.56 |
| 22 51 23 00-0179 | EA | 20 To 110 GPM, 1-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15) | 225.93 | 40.42 |
| 22 51 23 00-0180 | EA | 20 To 110 GPM, 2" x 2-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C) | 188.51 | 43.11 |

### 22 51 23 00-0181 Paddlewheel Flow Sensors *(22 51 23)*

| | | | | |
|---|---|---|---|---|
| 22 51 23 00-0182 | EA | 1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0)<br>Note: Includes 25' of cable (extendable to 200'). | 993.97 | 72.92 |
| 22 51 23 00-0183 | EA | 1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO) | 1,318.82 | 72.92 |
| 22 51 23 00-0184 | EA | 1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO) | 1,318.82 | 72.92 |
| 22 51 23 00-0185 | EA | 1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO) | 1,369.71 | 72.92 |
| 22 51 23 00-0186 | EA | 1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO) | 1,424.50 | 72.92 |
| 22 51 23 00-0187 | EA | 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO) | 1,528.22 | 72.92 |
| 22 51 23 00-0188 | EA | 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO) | 1,528.22 | 72.92 |
| 22 51 23 00-0189 | EA | 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO) | 1,592.80 | 72.92 |
| 22 51 23 00-0190 | EA | 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO) | 1,655.42 | 72.92 |
| 22 51 23 00-0191 | EA | >4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1)<br>Note: Includes 25' of cable (extendable to 200'). | 1,038.98 | 72.92 |
| 22 51 23 00-0192 | EA | >4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1) | 1,369.71 | 72.92 |
| 22 51 23 00-0193 | EA | >4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1) | 1,369.71 | 72.92 |
| 22 51 23 00-0194 | EA | >4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1) | 1,424.50 | 72.92 |
| 22 51 23 00-0195 | EA | >4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1) | 1,475.38 | 72.92 |
| 22 51 23 00-0196 | EA | >8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2)<br>Note: Includes 25' of cable (extendable to 200'). | 1,080.08 | 72.92 |
| 22 51 23 00-0197 | EA | 2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020) | 332.60 | |
| 22 51 23 00-0198 | EA | 4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040) | 459.76 | |
| 22 51 23 00-0199 | EA | 6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060) | 565.40 | |
| 22 51 23 00-0200 | EA | 8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080) | 694.52 | |
| 22 51 23 00-0201 | EA | 10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100) | 919.53 | |
| 22 51 23 00-0202 | EA | 12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120) | 931.24 | |
| 22 51 23 00-0203 | EA | 24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524) | 328.02 | 20.20 |
| 22 51 23 00-0204 | EA | 24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524) | 451.31 | 20.20 |
| 22 51 23 00-0205 | EA | 24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024) | 556.98 | 20.20 |
| 22 51 23 00-0206 | EA | 24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024) | 705.71 | 20.20 |
| 22 51 23 00-0207 | EA | 24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024) | 979.69 | 20.20 |

## 22 52 Fountain Plumbing Systems *(22 50)*

### 22 52 13 Fountain Piping *(22 52)*

See CSI section 22 11 16 00-0013 for galvanized pipe and fittings, 22 11 16 00-0383 for copper pipe and fittings, 23 21 13 23-0001 for threaded black steel pipe and fittings, 23 21 13 23-0374 for welded black steel pipe and fittings.

### 22 52 16 Fountain Pumps *(22 52)*

#### 22 52 16 00-0001 Fountain Pumps *(22 52 16)*

Note: Includes the final connection to pipes, and final connection to electrical power. Exclude such items as: existing pipe removal/cutting, new supply pipe, fittings, valves, saddles, pipe supports, electrical conduit, wiring, disconnects, connections to disconnects, etc.

| | | | | |
|---|---|---|---|---|
| 22 52 16 00-0002 | EA | Centrifugal Pump, Single Stage, Double Suction, Complete With Cast Iron Casing, SS Impeller And Sleeve, SS Shaft, John Crane Mech. Single Seal, ANSI 125 FF Flange (PACO TYPE KP-29-16175-AV00) | 167,316.20 | 5,996.39 |

### 22 52 19 Fountain Water Treatment Equipment *(22 52)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 52 19 13** | | **Electronic Fountain Water Conditioning Equipment** *(22 52 19)* | | |
| 22 52 19 13-0001 | | Fountain Water Treatment Equipment *(22 52 19 13)*<br>Note: Includes the systems as supplied from the manufacture, final connection to pipes, final connection to electrical power, final connection to signal wire, mounting to wall or backboard. Exclude such items as: Concrete, saw cutting, backboards, existing pipe removal/cutting, new supply/drain pipe, fittings, valves, saddles, pipe supports, electrical conduit, wiring, disconnects, connections to disconnects, etc. | | |
| 22 52 19 13-0002 | EA | Ultraviolet Disinfection System With Two 1.0 KW Lamp Power, 350 GPM Flow, 4" Connection, 480/460 Volt, Single Phase. (Neptune Benson ETS Model ECF-210-4V)<br>Note: Includes Spectra control cabinet, strainer, wiper system and 15' cables. Includes factory start up and operator training. | 52,941.23 | 1,293.49 |
| 22 52 19 13-0003 | EA | Ultraviolet Disinfection System With Two 1.5 KW Lamp Power, 350 GPM Flow, 6" Connection, 480/460 Volt, Single Phase. (Neptune Benson ETS Model ECF-215-6V)<br>Note: Includes Spectra control cabinet, strainer, wiper system and 15' cables. Includes factory start up and operator training. | 62,956.84 | 1,509.07 |
| 22 52 19 13-0004 | EA | Ozone System (Clear Water Model CD2000P)<br>Note: Includes: CD2000P Ozone Generator, Air Preparation System, 2 Ozone Contact Chambers, Venturi / Side Stream System, Ozone Off-Gas Destructor, Factory Start-up and Warranty, and Owner Training. | 33,241.57 | 862.32 |
| 22 52 19 13-0005 | EA | 6" Flow Meter And Iron Pipe Saddle | 2,265.90 | 431.16 |
| **22 52 23** | | **Fountain Equipment Controls** *(22 52)* | | |
| 22 52 23 00-0001 | | Fountain Equipment Controls *(22 52 23)*<br>Note: Includes the systems as supplied from the manufacture, final connection to pipes, final connection to electrical power, final connection to signal wire, mounting to wall or backboard. Exclude such items as: Concrete, saw cutting, backboards, existing pipe removal/cutting, new supply/drain pipe, fittings, valves, saddles, pipe supports, electrical conduit, wiring, disconnects, connections to disconnects, etc. | | |
| 22 52 23 00-0002 | EA | BECSys3 Chemical Controller With pH And ORP Probe, Flowcell Assembly, Safety Rotary Flowswitch, Temperature Sensor Mounted On A PVC Backplate.<br>Note: Includes factory commissioning and operator training. | 8,781.74 | 646.74 |
| 22 52 23 00-0003 | EA | Water Level Control System With Deck Well Application, 100' Cord Length, Dual Sensing, And 2" Slow Closing Solenoid Valve (AquatiControl Technology ELC-810-DS-DW-100) | 10,119.99 | 862.32 |
| **22 60** | | **Gas and Vacuum Systems for Laboratory and Healthcare Facilities** *(22)* | | |
| **22 63** | | **Gas Systems for Laboratory and Healthcare Facilities** *(22 60)* | | |
| **22 63 13** | | **Gas Piping for Laboratory and Healthcare Facilities** *(22 63)* | | |
| **22 63 13 53** | | **Laboratory Gas Piping** *(22 63 13)*<br>See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2279 for PVC piping. | | |
| **22 63 13 70** | | **Healthcare Gas Piping** *(22 63 13)* | | |
| 22 63 13 70-0001 | | Zone Valve Assemblies *(22 63 13 70)* | | |
| 22 63 13 70-0002 | | Single Zone Valve Assemblies *(22 63 13 70-0001)* | | |
| 22 63 13 70-0003 | EA | 1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-05) | 483.60 | 85.59 |
| 22 63 13 70-0004 | EA | 3/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-07) | 516.55 | 92.81 |
| 22 63 13 70-0005 | EA | 1" Single Zone Valve Assembly With Gauge (Amico VBU-M-10) | 549.56 | 98.73 |
| 22 63 13 70-0006 | EA | 1-1/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-12) | 618.11 | 107.79 |
| 22 63 13 70-0007 | EA | 1-1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-15) | 707.97 | 114.37 |
| 22 63 13 70-0008 | EA | 2" Single Zone Valve Assembly With Gauge (Amico VBU-M-20) | 878.48 | 123.42 |
| 22 63 13 70-0009 | | Double Zone Valve Assemblies *(22 63 13 70-0001)* | | |
| 22 63 13 70-0010 | EA | 1/2" x 1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0505) | 691.51 | 122.67 |
| 22 63 13 70-0011 | EA | 1/2" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0507) | 724.46 | 129.89 |
| 22 63 13 70-0012 | EA | 1/2" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0510) | 764.42 | 135.71 |
| 22 63 13 70-0013 | EA | 1/2" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0512) | 844.57 | 144.87 |
| 22 63 13 70-0014 | EA | 1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0515) | 946.04 | 151.45 |
| 22 63 13 70-0015 | EA | 3/4" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0707) | 755.08 | 137.11 |
| 22 63 13 70-0016 | EA | 3/4" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0710) | 795.06 | 143.04 |
| 22 63 13 70-0017 | EA | 3/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0712) | 877.53 | 152.09 |
| 22 63 13 70-0018 | EA | 3/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0715) | 934.91 | 158.67 |
| 22 63 13 70-0019 | EA | 1" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-1010) | 825.75 | 148.86 |
| 22 63 13 70-0020 | EA | 1" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1012) | 875.74 | 158.02 |
| 22 63 13 70-0021 | EA | 1" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1015) | 970.24 | 164.59 |
| 22 63 13 70-0022 | EA | 1-1/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1212) | 1,009.24 | 167.08 |
| 22 63 13 70-0023 | EA | 1-1/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1215) | 1,048.07 | 173.76 |
| 22 63 13 70-0024 | EA | 1-1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1515) | 1,149.53 | 180.34 |
| 22 63 13 70-0025 | | Triple Zone Valve Assemblies *(22 63 13 70-0001)* | | |
| 22 63 13 70-0026 | EA | 1/2" x 1/2" x 1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050505) | 941.17 | 159.64 |
| 22 63 13 70-0027 | EA | 1/2" x 1/2" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050507) | 974.11 | 166.97 |
| 22 63 13 70-0028 | EA | 1/2" x 1/2" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050510) | 1,014.09 | 172.79 |
| 22 63 13 70-0029 | EA | 1/2" x 1/2" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050512) | 1,096.56 | 181.95 |
| 22 63 13 70-0030 | EA | 1/2" x 1/2" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050515) | 1,200.35 | 188.53 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 63 13 70-0031 | EA | 1/2" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050707) | 1,009.39 | 174.19 |
| 22 63 13 70-0032 | EA | 1/2" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050710) | 1,049.35 | 180.01 |
| 22 63 13 70-0033 | EA | 1/2" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050712) | 1,129.50 | 189.17 |
| 22 63 13 70-0034 | EA | 1/2" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050715) | 1,233.28 | 195.75 |
| 22 63 13 70-0035 | EA | 1/2" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051010) | 1,089.31 | 185.94 |
| 22 63 13 70-0036 | EA | 1/2" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051012) | 1,169.46 | 195.10 |
| 22 63 13 70-0037 | EA | 1/2" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051015) | 1,273.25 | 201.68 |
| 22 63 13 70-0038 | EA | 3/4" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070707) | 1,042.33 | 181.41 |
| 22 63 13 70-0039 | EA | 3/4" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070710) | 1,082.30 | 187.34 |
| 22 63 13 70-0040 | EA | 3/4" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070712) | 1,162.45 | 196.39 |
| 22 63 13 70-0041 | EA | 3/4" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070715) | 1,266.24 | 202.97 |
| 22 63 13 70-0042 | EA | 3/4" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071010) | 1,122.27 | 193.16 |
| 22 63 13 70-0043 | EA | 3/4" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071012) | 1,202.42 | 202.32 |
| 22 63 13 70-0044 | EA | 3/4" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071015) | 1,303.88 | 208.90 |
| 22 63 13 70-0045 | EA | 1" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-1010110) | 1,101.92 | 199.09 |
| 22 63 13 70-0046 | EA | 1" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101012) | 1,179.75 | 208.15 |
| 22 63 13 70-0047 | EA | 1" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101015) | 1,346.16 | 214.83 |
| 22 63 13 70-0048 | | **Medical Gas Copper Pipe And Fittings** *(22 63 13 70)* | | |
| 22 63 13 70-0049 | | **Medical Gas Copper Pipe, ASTM B819** *(22 63 13 70-0048)* | | |
| 22 63 13 70-0050 | LF | 1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/4") | 9.00 | 3.75 |
| 22 63 13 70-0051 | LF | 3/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/8") | 11.37 | 3.75 |
| 22 63 13 70-0052 | LF | 1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/2") | 12.28 | 3.75 |
| 22 63 13 70-0053 | LF | 5/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 5/8") | 13.95 | 3.75 |
| 22 63 13 70-0054 | LF | 3/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/4") | 19.05 | 3.75 |
| 22 63 13 70-0055 | LF | 1" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1") | 22.56 | 3.75 |
| 22 63 13 70-0056 | LF | 1-1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/4") | 27.18 | 3.75 |
| 22 63 13 70-0057 | LF | 1-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/2") | 33.99 | 3.75 |
| 22 63 13 70-0058 | LF | 2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2") | 48.49 | 3.75 |
| 22 63 13 70-0059 | LF | 2-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2-1/2") | 68.71 | 6.20 |
| 22 63 13 70-0060 | LF | 3" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3") | 85.12 | 6.20 |
| 22 63 13 70-0061 | LF | 3-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3-1/2") | 109.33 | 9.36 |
| 22 63 13 70-0062 | LF | 4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 4") | 151.06 | 9.36 |
| 22 63 13 70-0063 | | **Medical Gas Copper Fittings** *(22 63 13 70-0048)* | | |
| 22 63 13 70-0064 | | **Medical Gas Copper 90 Degree Elbows** *(22 63 13 70-0063)* | | |
| 22 63 13 70-0065 | EA | 1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P049) | 45.88 | 28.44 |
| 22 63 13 70-0066 | EA | 3/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P050) | 47.50 | 29.73 |
| 22 63 13 70-0067 | EA | 1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P079) | 50.26 | 31.25 |
| 22 63 13 70-0068 | EA | 5/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P080) | 55.62 | 32.89 |
| 22 63 13 70-0069 | EA | 3/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P081) | 54.93 | 32.89 |
| 22 63 13 70-0070 | EA | 1" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P082) | 66.72 | 39.09 |
| 22 63 13 70-0071 | EA | 1-1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P055) | 71.13 | 41.67 |
| 22 63 13 70-0072 | EA | 1-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P056) | 86.11 | 47.99 |
| 22 63 13 70-0073 | EA | 2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P057) | 106.05 | 56.77 |
| 22 63 13 70-0074 | EA | 2-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P058) | 191.27 | 96.10 |
| 22 63 13 70-0075 | EA | 3" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMA3) | 233.94 | 113.55 |
| 22 63 13 70-0076 | EA | 4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMA4) | 354.92 | 138.83 |
| 22 63 13 70-0077 | | **Medical Gas Copper Tees** *(22 63 13 70-0063)* | | |
| 22 63 13 70-0078 | EA | 1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P095) | 69.51 | 41.67 |
| 22 63 13 70-0079 | EA | 3/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P096) | 72.29 | 44.60 |
| 22 63 13 70-0080 | EA | 1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P098) | 73.66 | 47.99 |
| 22 63 13 70-0081 | EA | 5/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R568) | 92.08 | 52.09 |
| 22 63 13 70-0082 | EA | 3/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P103) | 81.98 | 52.09 |
| 22 63 13 70-0083 | EA | 1" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P109) | 105.94 | 62.50 |
| 22 63 13 70-0084 | EA | 1-1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P113) | 122.26 | 69.41 |
| 22 63 13 70-0085 | EA | 1-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P117) | 141.90 | 78.08 |
| 22 63 13 70-0086 | EA | 2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R499) | 176.71 | 89.19 |
| 22 63 13 70-0087 | EA | 2-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMD9) | 306.37 | 156.16 |
| 22 63 13 70-0088 | EA | 3" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VME5) | 387.28 | 178.51 |
| 22 63 13 70-0089 | EA | 4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG2) | 618.46 | 249.80 |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 63 13 70-0090** | | **Medical Gas Copper Couplings** *(22 63 13 70-0063)* | | |
| 22 63 13 70-0091 | EA | 1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R491) | 38.35 | 24.93 |
| 22 63 13 70-0092 | EA | 3/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R495) | 40.23 | 25.99 |
| 22 63 13 70-0093 | EA | 1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R489) | 41.54 | 27.15 |
| 22 63 13 70-0094 | EA | 5/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R493) | 45.53 | 28.44 |
| 22 63 13 70-0095 | EA | 3/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R490) | 46.21 | 29.73 |
| 22 63 13 70-0096 | EA | 1" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R492) | 55.57 | 34.64 |
| 22 63 13 70-0097 | EA | 1-1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R501) | 61.92 | 36.76 |
| 22 63 13 70-0098 | EA | 1-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R509) | 70.95 | 41.67 |
| 22 63 13 70-0099 | EA | 2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R516) | 85.43 | 47.99 |
| 22 63 13 70-0100 | EA | 2-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R615) | 156.24 | 83.22 |
| 22 63 13 70-0101 | EA | 3" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R690) | 191.28 | 96.10 |
| 22 63 13 70-0102 | EA | 4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R692) | 254.24 | 117.05 |
| **22 63 13 70-0103** | | **Medical Gas Copper Caps** *(22 63 13 70-0063)* | | |
| 22 63 13 70-0104 | EA | 1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R498) | 24.59 | 15.57 |
| 22 63 13 70-0105 | EA | 3/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R521) | 25.26 | 15.57 |
| 22 63 13 70-0106 | EA | 1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P121) | 24.09 | 15.57 |
| 22 63 13 70-0107 | EA | 5/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R511) | 26.94 | 16.39 |
| 22 63 13 70-0108 | EA | 3/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P122) | 25.81 | 16.39 |
| 22 63 13 70-0109 | EA | 1" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P123) | 32.60 | 19.55 |
| 22 63 13 70-0110 | EA | 1-1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P124) | 37.05 | 21.54 |
| 22 63 13 70-0111 | EA | 1-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P125) | 42.84 | 23.99 |
| 22 63 13 70-0112 | EA | 2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P126) | 55.11 | 28.44 |
| 22 63 13 70-0113 | EA | 2-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG6) | 85.38 | 31.25 |
| 22 63 13 70-0114 | EA | 3" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG7) | 103.63 | 34.64 |
| 22 63 13 70-0115 | EA | 4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG8) | 149.99 | 39.09 |

# 22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

## 22 66 53 Laboratory Chemical-Waste and Vent Piping *(22 66)*

**22 66 53 00-0001** Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

**22 66 53 00-0002** Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*

**22 66 53 00-0003** Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0004 | LF | 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe | 14.18 | 6.14 |
| | | *For Schedule 80, Add* | *2.56* | |
| | | *For Fire Retardant Thermoplastic Pipe (Proxylene), Add* | *2.19* | |
| | | *For Work In Restricted Working Space, Add* | *2.78* | |
| 22 66 53 00-0005 | LF | 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe | 17.07 | 6.90 |
| | | *For Schedule 80, Add* | *3.46* | |
| | | *For Fire Retardant Thermoplastic Pipe (Proxylene), Add* | *2.96* | |
| | | *For Work In Restricted Working Space, Add* | *3.13* | |
| 22 66 53 00-0006 | LF | 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe | 27.09 | 10.02 |
| | | *For Schedule 80, Add* | *6.25* | |
| | | *For Fire Retardant Thermoplastic Pipe (Proxylene), Add* | *5.34* | |
| | | *For Work In Restricted Working Space, Add* | *4.52* | |
| 22 66 53 00-0007 | LF | 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe | 36.65 | 13.04 |
| | | *For Schedule 80, Add* | *8.87* | |
| | | *For Fire Retardant Thermoplastic Pipe (Proxylene), Add* | *7.59* | |
| | | *For Work In Restricted Working Space, Add* | *5.88* | |
| 22 66 53 00-0008 | LF | 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe | 59.48 | 19.19 |
| | | *For Schedule 80, Add* | *15.98* | |
| | | *For Fire Retardant Thermoplastic Pipe (Proxylene), Add* | *13.67* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |

**22 66 53 00-0009** Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends *(22 66 53 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0010 | EA | 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend | 54.61 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 66 53 00-0011 | EA | 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend | 70.51 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 66 53 00-0012 | EA | 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend | 94.41 | 35.03 |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 66 53 00-0013 | EA | 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend | 136.12 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 66 53 00-0014 | EA | 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend | 266.29 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |

**22 66 53 00-0015** Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends *(22 66 53 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0016 | EA | 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend | 54.27 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 66 53 00-0017 | EA | 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend | 69.61 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 66 53 00-0018 | EA | 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend | 96.12 | 35.03 |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 66 53 00-0019 | EA | 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend | 118.92 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 66 53 00-0020 | EA | 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend | 239.62 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| **22 66 53 00-0021** | | **Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees** *(22 66 53 00-0002)* | | |
| 22 66 53 00-0022 | EA | 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee | 98.98 | 49.58 |
| | | *For Work In Restricted Working Space, Add* | *22.30* | |
| 22 66 53 00-0023 | EA | 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee | 123.25 | 62.52 |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 66 53 00-0024 | EA | 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee | 161.71 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 66 53 00-0025 | EA | 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee | 223.17 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 66 53 00-0026 | EA | 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee | 391.45 | 143.79 |
| | | *For Work In Restricted Working Space, Add* | *64.67* | |
| **22 66 53 00-0027** | | **Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees** *(22 66 53 00-0002)* | | |
| 22 66 53 00-0028 | EA | 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee | 123.21 | 62.52 |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 66 53 00-0029 | EA | 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee | 157.58 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 66 53 00-0030 | EA | 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee | 153.92 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 66 53 00-0031 | EA | 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee | 213.77 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 66 53 00-0032 | EA | 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee | 217.32 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 66 53 00-0033 | EA | 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee | 365.28 | 143.79 |
| | | *For Work In Restricted Working Space, Add* | *64.67* | |
| **22 66 53 00-0034** | | **Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug** *(22 66 53 00-0002)* | | |
| 22 66 53 00-0035 | EA | 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug | 111.01 | 49.58 |
| | | *For Work In Restricted Working Space, Add* | *22.30* | |
| 22 66 53 00-0036 | EA | 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug | 126.16 | 62.52 |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 66 53 00-0037 | EA | 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug | 170.61 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 66 53 00-0038 | EA | 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug | 227.28 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 66 53 00-0039 | EA | 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug | 340.70 | 143.79 |
| | | *For Work In Restricted Working Space, Add* | *64.67* | |
| **22 66 53 00-0040** | | **Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes** *(22 66 53 00-0002)* | | |
| 22 66 53 00-0041 | EA | 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye | 105.73 | 49.58 |
| | | *For Work In Restricted Working Space, Add* | *22.30* | |
| 22 66 53 00-0042 | EA | 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye | 129.50 | 62.52 |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 66 53 00-0043 | EA | 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye | 165.43 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 66 53 00-0044 | EA | 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye | 226.26 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 66 53 00-0045 | EA | 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye | 447.92 | 143.79 |
| | | *For Work In Restricted Working Space, Add* | *64.67* | |
| **22 66 53 00-0046** | | **Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes** *(22 66 53 00-0002)* | | |
| 22 66 53 00-0047 | EA | 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye | 137.77 | 62.52 |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 66 53 00-0048 | EA | 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye | 161.19 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 66 53 00-0049 | EA | 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye | 161.19 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 66 53 00-0050 | EA | 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye | 222.60 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 66 53 00-0051 | EA | 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye | 222.60 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 66 53 00-0052 | EA | 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye | 399.28 | 143.79 |
| | | *For Work In Restricted Working Space, Add* | *64.67* | |
| 22 66 53 00-0053 | EA | 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye | 402.13 | 143.79 |
| | | *For Work In Restricted Working Space, Add* | *64.67* | |
| 22 66 53 00-0054 | EA | 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye | 366.48 | 143.79 |
| | | *For Work In Restricted Working Space, Add* | *64.67* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses *(22 66 53 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0056 | EA | 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross | 131.54 | 61.98 |
| | | *For Work In Restricted Working Space, Add* | *27.88* | |
| 22 66 53 00-0057 | EA | 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross | 163.44 | 78.15 |
| | | *For Work In Restricted Working Space, Add* | *35.15* | |
| 22 66 53 00-0058 | EA | 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross | 220.90 | 85.59 |
| | | *For Work In Restricted Working Space, Add* | *38.50* | |
| 22 66 53 00-0059 | EA | 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross | 307.05 | 112.31 |
| | | *For Work In Restricted Working Space, Add* | *50.53* | |
| 22 66 53 00-0060 | EA | 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross | 545.18 | 179.69 |
| | | *For Work In Restricted Working Space, Add* | *80.84* | |

## 22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends *(22 66 53 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0062 | EA | 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend | 96.77 | 49.58 |
| | | *For Work In Restricted Working Space, Add* | *22.30* | |
| 22 66 53 00-0063 | EA | 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend | 126.51 | 62.52 |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 66 53 00-0064 | EA | 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend | 144.60 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 66 53 00-0065 | EA | 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend | 199.97 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 66 53 00-0066 | EA | 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend | 116.75 | 62.52 |
| | | *For Work In Restricted Working Space, Add* | *28.12* | |
| 22 66 53 00-0067 | EA | 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend | 140.67 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 66 53 00-0068 | EA | 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend | 142.25 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |
| 22 66 53 00-0069 | EA | 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend | 194.13 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 22 66 53 00-0070 | EA | 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend | 195.13 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |

## 22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps *(22 66 53 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0072 | EA | 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap | 114.37 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 66 53 00-0073 | EA | 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap | 152.18 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 22 66 53 00-0074 | EA | 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap | 230.15 | 102.72 |
| | | *For Work In Restricted Working Space, Add* | *46.20* | |
| 22 66 53 00-0075 | EA | 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap | 323.97 | 130.75 |
| | | *For Work In Restricted Working Space, Add* | *58.79* | |

## 22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters *(22 66 53 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0077 | EA | 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter | 53.67 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 66 53 00-0078 | EA | 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter | 65.57 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 66 53 00-0079 | EA | 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter | 76.96 | 35.03 |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 66 53 00-0080 | EA | 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter | 104.67 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 66 53 00-0081 | EA | 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter | 155.27 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |

## 22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters *(22 66 53 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0083 | EA | 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter | 51.30 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 66 53 00-0084 | EA | 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter | 67.36 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 66 53 00-0085 | EA | 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter | 80.25 | 35.03 |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |
| 22 66 53 00-0086 | EA | 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter | 107.90 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |

## 22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings *(22 66 53 00-0002)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0088 | EA | 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling | 48.35 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 66 53 00-0089 | EA | 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling | 62.06 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 66 53 00-0090 | EA | 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling | 72.24 | 35.03 |
| | | *For Work In Restricted Working Space, Add* | *15.77* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 66 53 00-0091 | EA | 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling | 95.53 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 66 53 00-0092 | EA | 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling | 140.43 | 68.45 |
| | | *For Work In Restricted Working Space, Add* | *30.80* | |

## 22 66 53 00-0093 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

Note: Acid resistant. ASTM A518.

## 22 66 53 00-0094 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0093)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0095 | LF | 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe | 112.65 | 9.59 |
| 22 66 53 00-0096 | LF | 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe | 158.70 | 11.97 |
| 22 66 53 00-0097 | LF | 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe | 216.18 | 13.80 |
| 22 66 53 00-0098 | LF | 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe | 356.19 | 20.06 |
| 22 66 53 00-0099 | LF | 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe | 628.65 | 26.72 |
| 22 66 53 00-0100 | LF | 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe | 1,112.48 | 33.70 |
| 22 66 53 00-0101 | LF | 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe | 1,984.49 | 45.39 |
| 22 66 53 00-0102 | LF | 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe | 3,536.15 | 52.04 |

## 22 66 53 00-0103 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0093)*

## 22 66 53 00-0104 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0103)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0105 | EA | 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep | 445.97 | 81.70 |
| 22 66 53 00-0106 | EA | 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep | 584.64 | 89.90 |
| 22 66 53 00-0107 | EA | 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep | 953.34 | 107.58 |
| 22 66 53 00-0108 | EA | 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep | 1,429.35 | 132.47 |
| 22 66 53 00-0109 | EA | 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep | 3,286.47 | 214.73 |

## 22 66 53 00-0110 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0103)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0111 | EA | 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend | 256.34 | 81.70 |
| 22 66 53 00-0112 | EA | 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend | 335.52 | 89.90 |
| 22 66 53 00-0113 | EA | 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend | 421.64 | 107.58 |
| 22 66 53 00-0114 | EA | 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend | 1,135.61 | 132.47 |
| 22 66 53 00-0115 | EA | 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend | 2,578.90 | 214.73 |
| 22 66 53 00-0116 | EA | 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend | 3,919.88 | 267.53 |
| 22 66 53 00-0117 | EA | 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend | 5,760.40 | 321.72 |

## 22 66 53 00-0118 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends *(22 66 53 00-0103)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0119 | EA | 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend | 256.34 | 81.70 |
| 22 66 53 00-0120 | EA | 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend | 335.52 | 89.90 |
| 22 66 53 00-0121 | EA | 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend | 421.64 | 107.58 |
| 22 66 53 00-0122 | EA | 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend | 830.72 | 132.47 |
| 22 66 53 00-0123 | EA | 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend | 2,184.77 | 214.73 |
| 22 66 53 00-0124 | EA | 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend | 3,195.39 | 267.53 |
| 22 66 53 00-0125 | EA | 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend | 4,533.96 | 321.72 |

## 22 66 53 00-0126 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends *(22 66 53 00-0103)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0127 | EA | 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend | 256.34 | 81.70 |
| 22 66 53 00-0128 | EA | 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend | 335.52 | 89.90 |
| 22 66 53 00-0129 | EA | 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend | 421.38 | 107.47 |

## 22 66 53 00-0130 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps *(22 66 53 00-0103)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0131 | EA | 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep | 353.02 | 81.70 |
| 22 66 53 00-0132 | EA | 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep | 629.26 | 89.90 |
| 22 66 53 00-0133 | EA | 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep | 704.22 | 107.58 |

## 22 66 53 00-0134 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees *(22 66 53 00-0103)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0135 | EA | 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee | 361.79 | 122.24 |
| 22 66 53 00-0136 | EA | 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee | 455.99 | 135.49 |
| 22 66 53 00-0137 | EA | 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee | 636.73 | 161.79 |
| 22 66 53 00-0138 | EA | 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee | 1,079.30 | 199.08 |
| 22 66 53 00-0139 | EA | 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee | 3,312.89 | 322.37 |
| 22 66 53 00-0140 | EA | 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee | 4,706.40 | 402.54 |

## 22 66 53 00-0141 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees *(22 66 53 00-0103)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0142 | EA | 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee | 339.30 | 117.17 |
| 22 66 53 00-0143 | EA | 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee | 396.85 | 125.79 |
| 22 66 53 00-0144 | EA | 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee | 444.33 | 130.21 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 66 53 00-0145 | EA | 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee | 509.32 | 143.79 |
| 22 66 53 00-0146 | EA | 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee | 545.93 | 148.32 |
| 22 66 53 00-0147 | EA | 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee | 600.74 | 152.74 |
| 22 66 53 00-0148 | EA | 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee | 760.87 | 172.27 |
| 22 66 53 00-0149 | EA | 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee | 845.00 | 176.71 |
| 22 66 53 00-0150 | EA | 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee | 946.40 | 184.83 |
| **22 66 53 00-0151** | | **Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0103)* | | |
| 22 66 53 00-0152 | EA | 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee | 413.79 | 122.24 |
| 22 66 53 00-0153 | EA | 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee | 500.07 | 135.17 |
| 22 66 53 00-0154 | EA | 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee | 685.02 | 161.79 |
| **22 66 53 00-0155** | | **Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** *(22 66 53 00-0103)* | | |
| 22 66 53 00-0156 | EA | 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee | 391.32 | 117.17 |
| 22 66 53 00-0157 | EA | 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee | 489.87 | 130.86 |
| 22 66 53 00-0158 | EA | 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee | 591.18 | 148.75 |
| 22 66 53 00-0159 | EA | 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee | 634.87 | 153.17 |
| **22 66 53 00-0160** | | **Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0103)* | | |
| 22 66 53 00-0161 | EA | 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye | 358.29 | 122.45 |
| 22 66 53 00-0162 | EA | 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye | 496.89 | 135.49 |
| 22 66 53 00-0163 | EA | 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye | 636.54 | 161.69 |
| 22 66 53 00-0164 | EA | 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye | 1,085.59 | 198.35 |
| 22 66 53 00-0165 | EA | 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye | 4,152.70 | 322.05 |
| **22 66 53 00-0166** | | **Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0103)* | | |
| 22 66 53 00-0167 | EA | 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 369.02 | 117.17 |
| 22 66 53 00-0168 | EA | 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 396.80 | 125.79 |
| 22 66 53 00-0169 | EA | 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 419.44 | 130.97 |
| 22 66 53 00-0170 | EA | 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 468.42 | 143.79 |
| 22 66 53 00-0171 | EA | 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 486.70 | 148.54 |
| 22 66 53 00-0172 | EA | 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 586.54 | 153.17 |
| 22 66 53 00-0173 | EA | 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 801.47 | 172.48 |
| 22 66 53 00-0174 | EA | 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 952.82 | 176.71 |
| 22 66 53 00-0175 | EA | 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 994.74 | 184.83 |
| 22 66 53 00-0176 | EA | 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 2,438.28 | 259.81 |
| 22 66 53 00-0177 | EA | 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 2,633.32 | 268.39 |
| 22 66 53 00-0178 | EA | 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 3,222.72 | 282.13 |
| **22 66 53 00-0179** | | **Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0103)* | | |
| 22 66 53 00-0180 | EA | 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend | 428.60 | 122.24 |
| 22 66 53 00-0181 | EA | 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend | 511.23 | 135.17 |
| 22 66 53 00-0182 | EA | 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend | 759.39 | 161.79 |
| 22 66 53 00-0183 | EA | 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend | 1,182.64 | 198.56 |
| **22 66 53 00-0184** | | **Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0103)* | | |
| 22 66 53 00-0185 | EA | 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 354.14 | 117.17 |
| 22 66 53 00-0186 | EA | 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 411.67 | 125.79 |
| 22 66 53 00-0187 | EA | 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 456.40 | 130.86 |
| 22 66 53 00-0188 | EA | 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 494.44 | 143.79 |
| 22 66 53 00-0189 | EA | 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 572.59 | 148.75 |
| 22 66 53 00-0190 | EA | 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 649.69 | 153.06 |
| 22 66 53 00-0191 | EA | 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 849.74 | 172.48 |
| 22 66 53 00-0192 | EA | 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 1,060.73 | 176.81 |
| 22 66 53 00-0193 | EA | 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 1,162.51 | 185.15 |
| **22 66 53 00-0194** | | **Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0103)* | | |
| 22 66 53 00-0195 | EA | 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer | 219.47 | 76.97 |
| 22 66 53 00-0196 | EA | 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer | 240.78 | 81.28 |
| 22 66 53 00-0197 | EA | 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer | 269.57 | 85.59 |
| 22 66 53 00-0198 | EA | 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer | 436.02 | 94.86 |
| 22 66 53 00-0199 | EA | 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer | 457.37 | 99.28 |
| 22 66 53 00-0200 | EA | 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer | 500.39 | 110.52 |
| 22 66 53 00-0201 | EA | 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer | 650.61 | 118.97 |
| 22 66 53 00-0202 | EA | 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer | 944.17 | 161.08 |
| 22 66 53 00-0203 | EA | 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer | 1,005.54 | 174.71 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 66 53 00-0204** | | **Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers** *(22 66 53 00-0103)* | | |
| 22 66 53 00-0205 | EA | 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser | 589.24 | 179.69 |
| 22 66 53 00-0206 | EA | 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser | 782.59 | 179.69 |
| 22 66 53 00-0207 | EA | 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser | 799.94 | 179.69 |
| 22 66 53 00-0208 | EA | 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser | 908.60 | 246.48 |
| **22 66 53 00-0209** | | **Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0103)* | | |
| 22 66 53 00-0210 | EA | 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap | 665.34 | 81.70 |
| 22 66 53 00-0211 | EA | 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap | 804.01 | 89.90 |
| 22 66 53 00-0212 | EA | 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap | 979.37 | 107.58 |
| 22 66 53 00-0213 | EA | 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap | 2,909.19 | 132.47 |
| **22 66 53 00-0214** | | **Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0103)* | | |
| 22 66 53 00-0215 | EA | 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub | 326.99 | 81.70 |
| 22 66 53 00-0216 | EA | 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub | 413.60 | 89.90 |
| 22 66 53 00-0217 | EA | 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub | 570.37 | 107.58 |
| 22 66 53 00-0218 | EA | 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub | 740.86 | 132.47 |
| 22 66 53 00-0219 | EA | 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub | 1,444.68 | 184.83 |
| **22 66 53 00-0220** | | **Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0093)* | | |
| | | Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings. | | |
| 22 66 53 00-0221 | LB | Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings | 6.73 | |
| 22 66 53 00-0222 | LB | Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings | 68.17 | |
| **22 66 53 00-0223** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)* | | |
| | | Note: ASTM A518. | | |
| **22 66 53 00-0224** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0223)* | | |
| 22 66 53 00-0225 | LF | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe | 89.42 | 7.22 |
| 22 66 53 00-0226 | LF | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe | 101.77 | 7.98 |
| 22 66 53 00-0227 | LF | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe | 140.46 | 10.02 |
| 22 66 53 00-0228 | LF | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe | 177.27 | 11.64 |
| **22 66 53 00-0229** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0223)* | | |
| **22 66 53 00-0230** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0231 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep | 327.52 | 57.23 |
| 22 66 53 00-0232 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep | 353.57 | 64.68 |
| 22 66 53 00-0233 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep | 486.19 | 71.36 |
| 22 66 53 00-0234 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep | 586.69 | 86.23 |
| **22 66 53 00-0235** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0236 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend | 182.51 | 57.23 |
| 22 66 53 00-0237 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend | 218.71 | 64.02 |
| 22 66 53 00-0238 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend | 282.06 | 71.57 |
| 22 66 53 00-0239 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend | 370.06 | 85.59 |
| 22 66 53 00-0240 | EA | 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend | 213.37 | 60.47 |
| **22 66 53 00-0241** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0242 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend | 182.51 | 57.23 |
| 22 66 53 00-0243 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend | 218.71 | 64.02 |
| 22 66 53 00-0244 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend | 282.06 | 71.57 |
| 22 66 53 00-0245 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend | 370.06 | 85.59 |
| **22 66 53 00-0246** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0247 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend | 215.98 | 57.23 |
| 22 66 53 00-0248 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend | 270.76 | 64.02 |
| 22 66 53 00-0249 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend | 419.64 | 71.57 |
| 22 66 53 00-0250 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend | 470.45 | 85.59 |
| **22 66 53 00-0251** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0229)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 66 53 00-0252 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend | 208.54 | 57.23 |
| 22 66 53 00-0253 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend | 248.46 | 64.02 |
| 22 66 53 00-0254 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend | 386.17 | 71.57 |
| 22 66 53 00-0255 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend | 436.99 | 85.59 |
| **22 66 53 00-0256** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0257 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend | 315.04 | 86.12 |
| **22 66 53 00-0258** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0259 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee | 255.55 | 86.12 |
| 22 66 53 00-0260 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee | 316.48 | 97.01 |
| 22 66 53 00-0261 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee | 418.65 | 108.11 |
| 22 66 53 00-0262 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee | 636.48 | 129.46 |
| **22 66 53 00-0263** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0264 | EA | 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee | 296.13 | 93.35 |
| 22 66 53 00-0265 | EA | 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee | 362.82 | 100.68 |
| 22 66 53 00-0266 | EA | 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee | 386.75 | 104.23 |
| 22 66 53 00-0267 | EA | 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee | 414.06 | 115.01 |
| 22 66 53 00-0268 | EA | 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee | 456.18 | 118.25 |
| 22 66 53 00-0269 | EA | 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee | 495.02 | 121.80 |
| **22 66 53 00-0270** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0271 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye | 255.98 | 86.45 |
| 22 66 53 00-0272 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye | 301.60 | 97.01 |
| 22 66 53 00-0273 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye | 403.77 | 108.11 |
| 22 66 53 00-0274 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye | 636.48 | 129.46 |
| **22 66 53 00-0275** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0276 | EA | 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 285.70 | 93.89 |
| 22 66 53 00-0277 | EA | 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 351.64 | 100.57 |
| 22 66 53 00-0278 | EA | 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 368.63 | 104.56 |
| 22 66 53 00-0279 | EA | 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 414.57 | 115.34 |
| 22 66 53 00-0280 | EA | 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 457.16 | 118.89 |
| 22 66 53 00-0281 | EA | 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye | 484.32 | 122.12 |
| **22 66 53 00-0282** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0283 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye | 384.54 | 115.12 |
| 22 66 53 00-0284 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye | 491.64 | 129.57 |
| 22 66 53 00-0285 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye | 631.34 | 143.36 |
| 22 66 53 00-0286 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye | 823.58 | 172.36 |
| 22 66 53 00-0287 | EA | 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye | 424.51 | 121.91 |
| 22 66 53 00-0288 | EA | 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye | 476.17 | 129.14 |
| 22 66 53 00-0289 | EA | 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye | 568.73 | 136.25 |
| 22 66 53 00-0290 | EA | 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye | 627.75 | 150.90 |
| 22 66 53 00-0291 | EA | 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye | 758.20 | 158.56 |
| **22 66 53 00-0292** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0293 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross | 429.09 | 115.12 |
| 22 66 53 00-0294 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross | 506.25 | 129.35 |
| 22 66 53 00-0295 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross | 729.22 | 144.11 |
| 22 66 53 00-0296 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross | 1,020.92 | 172.57 |
| 22 66 53 00-0297 | EA | 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross | 461.63 | 121.91 |
| 22 66 53 00-0298 | EA | 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross | 606.27 | 129.14 |
| 22 66 53 00-0299 | EA | 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross | 639.30 | 136.25 |
| 22 66 53 00-0300 | EA | 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross | 683.47 | 150.80 |
| 22 66 53 00-0301 | EA | 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross | 872.62 | 157.91 |
| **22 66 53 00-0302** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0303 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend | 284.86 | 85.80 |
| 22 66 53 00-0304 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend | 331.35 | 97.01 |
| 22 66 53 00-0305 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend | 403.77 | 108.11 |
| 22 66 53 00-0306 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend | 677.38 | 129.46 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 66 53 00-0307** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0308 | EA | 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 314.81 | 93.46 |
| 22 66 53 00-0309 | EA | 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 352.07 | 100.89 |
| 22 66 53 00-0310 | EA | 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 383.50 | 104.56 |
| 22 66 53 00-0311 | EA | 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 522.40 | 115.34 |
| 22 66 53 00-0312 | EA | 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 535.25 | 118.89 |
| 22 66 53 00-0313 | EA | 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend | 599.59 | 122.12 |
| **22 66 53 00-0314** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0315 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend | 454.87 | 114.90 |
| 22 66 53 00-0316 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend | 573.08 | 129.25 |
| 22 66 53 00-0317 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend | 828.84 | 143.68 |
| 22 66 53 00-0318 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend | 995.44 | 172.89 |
| **22 66 53 00-0319** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0320 | EA | 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend | 495.10 | 121.91 |
| 22 66 53 00-0321 | EA | 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend | 595.08 | 129.02 |
| 22 66 53 00-0322 | EA | 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend | 620.71 | 136.25 |
| 22 66 53 00-0323 | EA | 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend | 690.90 | 150.80 |
| 22 66 53 00-0324 | EA | 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend | 872.62 | 157.91 |
| **22 66 53 00-0325** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0326 | EA | 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser | 214.27 | 61.11 |
| 22 66 53 00-0327 | EA | 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser | 241.97 | 64.68 |
| 22 66 53 00-0328 | EA | 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser | 284.17 | 75.46 |
| 22 66 53 00-0329 | EA | 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser | 338.00 | 71.68 |
| 22 66 53 00-0330 | EA | 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser | 358.24 | 75.23 |
| 22 66 53 00-0331 | EA | 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser | 378.49 | 78.79 |
| **22 66 53 00-0332** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0333 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee | 198.15 | 50.33 |
| 22 66 53 00-0334 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee | 230.35 | 56.91 |
| 22 66 53 00-0335 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee | 271.33 | 64.46 |
| 22 66 53 00-0336 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee | 496.94 | 78.47 |
| **22 66 53 00-0337** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0338 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug | 87.54 | 28.67 |
| 22 66 53 00-0339 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug | 103.77 | 32.01 |
| 22 66 53 00-0340 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug | 113.15 | 35.79 |
| 22 66 53 00-0341 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug | 145.99 | 42.79 |
| **22 66 53 00-0342** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0343 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap | 364.20 | 56.91 |
| 22 66 53 00-0344 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap | 374.87 | 64.02 |
| 22 66 53 00-0345 | EA | 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap | 464.26 | 71.57 |
| 22 66 53 00-0346 | EA | 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap | 593.15 | 85.59 |
| 22 66 53 00-0347 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap | 508.15 | 61.22 |
| 22 66 53 00-0348 | EA | 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap | 701.13 | 68.33 |
| 22 66 53 00-0349 | EA | 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap | 849.29 | 75.46 |
| 22 66 53 00-0350 | EA | 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap | 1,056.83 | 89.90 |
| **22 66 53 00-0351** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0352 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap | 681.16 | 65.00 |
| 22 66 53 00-0353 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap | 1,078.24 | 71.90 |
| 22 66 53 00-0354 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap | 710.51 | 64.68 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 66 53 00-0355 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap | 1,078.24 | 71.90 |
| **22 66 53 00-0356** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0357 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap | 632.43 | 64.68 |
| 22 66 53 00-0358 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap | 743.60 | 71.90 |
| 22 66 53 00-0359 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap | 732.82 | 64.68 |
| 22 66 53 00-0360 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap | 1,617.37 | 71.90 |
| 22 66 53 00-0361 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap | 959.25 | 71.90 |
| **22 66 53 00-0362** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0363 | EA | 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend | 260.98 | 57.56 |
| 22 66 53 00-0364 | EA | 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend | 342.41 | 64.68 |
| **22 66 53 00-0365** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0366 | EA | 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter | 131.61 | 43.11 |
| 22 66 53 00-0367 | EA | 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter | 244.82 | 46.78 |
| 22 66 53 00-0368 | EA | 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter | 177.52 | 53.90 |
| **22 66 53 00-0369** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0370 | EA | 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter | 248.17 | 61.33 |
| 22 66 53 00-0371 | EA | 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter | 271.71 | 64.68 |
| 22 66 53 00-0372 | EA | 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter | 303.13 | 68.23 |
| 22 66 53 00-0373 | EA | 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter | 324.78 | 75.23 |
| 22 66 53 00-0374 | EA | 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter | 303.18 | 68.33 |
| 22 66 53 00-0375 | EA | 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter | 319.67 | 71.90 |
| 22 66 53 00-0376 | EA | 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter | 345.03 | 78.79 |
| 22 66 53 00-0377 | EA | 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter | 392.04 | 75.46 |
| 22 66 53 00-0378 | EA | 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter | 484.25 | 89.90 |
| **22 66 53 00-0379** | | **Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0380 | EA | 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting | 89.24 | |
| 22 66 53 00-0381 | EA | 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting | 104.11 | |
| 22 66 53 00-0382 | EA | 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting | 111.55 | |
| 22 66 53 00-0383 | EA | 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting | 122.70 | |
| **22 66 53 00-0384** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0385 | EA | Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet | 656.61 | 28.78 |
| 22 66 53 00-0386 | EA | Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper | 248.37 | 14.33 |
| 22 66 53 00-0387 | EA | Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow | 464.02 | 14.33 |
| **22 66 53 00-0388** | | **Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0229)* | | |
| 22 66 53 00-0389 | EA | Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer | 2,349.82 | 143.79 |
| 22 66 53 00-0390 | EA | Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer | 2,903.45 | 151.01 |
| 22 66 53 00-0391 | EA | Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain | 1,962.44 | 14.33 |
| **22 66 53 00-0392** | | **Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618)** *(22 66 53)* | | |
| **22 66 53 00-0393** | | **Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe** *(22 66 53 00-0392)* Note: Excludes fittings or hangers. | | |
| 22 66 53 00-0394 | LF | 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe | 13.21 | 4.52 |
| 22 66 53 00-0395 | LF | 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe | 16.83 | 5.39 |
| 22 66 53 00-0396 | LF | 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe | 27.39 | 7.76 |
| 22 66 53 00-0397 | LF | 4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe | 34.98 | 8.41 |
| 22 66 53 00-0398 | LF | 6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe | 56.27 | 10.55 |
| 22 66 53 00-0399 | LF | 8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe | 123.98 | 14.04 |
| **22 66 53 00-0400** | | **Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings** *(22 66 53 00-0392)* | | |
| **22 66 53 00-0401** | | **Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends** *(22 66 53 00-0400)* | | |
| 22 66 53 00-0402 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.125 | 51.74 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 66 53 00-0403 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends<br>Note: 0.16 | 65.28 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 66 53 00-0404 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends<br>Note: 0.215 | 98.64 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 66 53 00-0405 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends<br>Note: 0.25 | 137.09 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 66 53 00-0406 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends<br>Note: 0.325 | 285.36 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| 22 66 53 00-0407 | EA | 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends<br>Note: 0.438 | 394.39 | 62.85 |
| | | *For Work In Restricted Working Space, Add* | *28.29* | |
| **22 66 53 00-0408** | | **Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends** *(22 66 53 00-0400)* | | |
| 22 66 53 00-0409 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends | 52.59 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 66 53 00-0410 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends | 69.45 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 66 53 00-0411 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends | 106.16 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 66 53 00-0412 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends | 139.85 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| **22 66 53 00-0413** | | **Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends** *(22 66 53 00-0400)* | | |
| 22 66 53 00-0414 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends | 51.30 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 66 53 00-0415 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends | 64.15 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 66 53 00-0416 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends | 100.80 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 66 53 00-0417 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends | 115.61 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 66 53 00-0418 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends | 250.29 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| 22 66 53 00-0419 | EA | 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends | 354.18 | 62.85 |
| | | *For Work In Restricted Working Space, Add* | *28.29* | |
| **22 66 53 00-0420** | | **Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends** *(22 66 53 00-0400)* | | |
| 22 66 53 00-0421 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends | 51.79 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 66 53 00-0422 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends | 64.12 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 66 53 00-0423 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends | 99.91 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 66 53 00-0424 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends | 122.61 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 66 53 00-0425 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends | 207.44 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| 22 66 53 00-0426 | EA | 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends | 235.96 | 62.85 |
| | | *For Work In Restricted Working Space, Add* | *28.29* | |
| **22 66 53 00-0427** | | **Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends** *(22 66 53 00-0400)* | | |
| 22 66 53 00-0428 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends | 272.73 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 66 53 00-0429 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends | 210.68 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 66 53 00-0430 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends | 131.37 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| **22 66 53 00-0431** | | **Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees** *(22 66 53 00-0400)* | | |
| 22 66 53 00-0432 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees | 71.21 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 66 53 00-0433 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees | 88.61 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 66 53 00-0434 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees | 143.33 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 66 53 00-0435 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees | 191.41 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 66 53 00-0436 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees | 473.63 | 69.96 |
| | | *For Work In Restricted Working Space, Add* | *31.53* | |
| 22 66 53 00-0437 | EA | 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees | 655.00 | 94.21 |
| | | *For Work In Restricted Working Space, Add* | *42.44* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 66 53 00-0438** | | **Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees** *(22 66 53 00-0400)* | | |
| 22 66 53 00-0439 | EA | 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees | 81.00 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 66 53 00-0440 | EA | 2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees | 86.45 | 31.91 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 22 66 53 00-0441 | EA | 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees | 84.78 | 31.91 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 22 66 53 00-0442 | EA | 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees | 123.89 | 39.88 |
| | | *For Work In Restricted Working Space, Add* | *17.95* | |
| 22 66 53 00-0443 | EA | 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees | 132.48 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.08* | |
| 22 66 53 00-0444 | EA | 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees | 169.93 | 47.42 |
| | | *For Work In Restricted Working Space, Add* | *21.35* | |
| 22 66 53 00-0445 | EA | 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees | 180.28 | 51.31 |
| | | *For Work In Restricted Working Space, Add* | *23.12* | |
| 22 66 53 00-0446 | EA | 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees | 355.07 | 64.57 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |
| 22 66 53 00-0447 | EA | 8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees | 794.22 | 80.73 |
| | | *For Work In Restricted Working Space, Add* | *36.38* | |
| **22 66 53 00-0448** | | **Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees** *(22 66 53 00-0400)* | | |
| 22 66 53 00-0449 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees | 100.29 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 66 53 00-0450 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees | 123.70 | 45.92 |
| | | *For Work In Restricted Working Space, Add* | *20.70* | |
| 22 66 53 00-0451 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees | 165.86 | 61.77 |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| 22 66 53 00-0452 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees | 205.43 | 71.79 |
| | | *For Work In Restricted Working Space, Add* | *32.34* | |
| **22 66 53 00-0453** | | **Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees** *(22 66 53 00-0400)* | | |
| 22 66 53 00-0454 | EA | 2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee | 122.55 | 40.96 |
| | | *For Work In Restricted Working Space, Add* | *18.43* | |
| 22 66 53 00-0455 | EA | 3" x 3" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee | 146.34 | 48.83 |
| | | *For Work In Restricted Working Space, Add* | *21.99* | |
| 22 66 53 00-0456 | EA | 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee | 183.67 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 66 53 00-0457 | EA | 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee | 167.74 | 58.86 |
| | | *For Work In Restricted Working Space, Add* | *26.52* | |
| 22 66 53 00-0458 | EA | 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee | 187.86 | 66.72 |
| | | *For Work In Restricted Working Space, Add* | *30.08* | |
| **22 66 53 00-0459** | | **Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers** *(22 66 53 00-0400)* | | |
| 22 66 53 00-0460 | EA | 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers | 68.61 | 20.48 |
| | | *For Work In Restricted Working Space, Add* | *9.22* | |
| 22 66 53 00-0461 | EA | 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers | 76.65 | 24.36 |
| | | *For Work In Restricted Working Space, Add* | *11.00* | |
| 22 66 53 00-0462 | EA | 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers | 120.43 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 66 53 00-0463 | EA | 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers | 132.11 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 66 53 00-0464 | EA | 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers | 146.06 | 33.41 |
| | | *For Work In Restricted Working Space, Add* | *15.04* | |
| 22 66 53 00-0465 | EA | 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers | 195.78 | 38.80 |
| | | *For Work In Restricted Working Space, Add* | *17.46* | |
| 22 66 53 00-0466 | EA | 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers | 224.21 | 41.28 |
| | | *For Work In Restricted Working Space, Add* | *18.59* | |
| **22 66 53 00-0467** | | **Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings** *(22 66 53 00-0400)* | | |
| 22 66 53 00-0468 | EA | 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing | 51.37 | 20.48 |
| | | *For Work In Restricted Working Space, Add* | *9.22* | |
| 22 66 53 00-0469 | EA | 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing | 58.47 | 24.36 |
| | | *For Work In Restricted Working Space, Add* | *11.00* | |
| 22 66 53 00-0470 | EA | 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing | 64.21 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 66 53 00-0471 | EA | 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing | 96.99 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 66 53 00-0472 | EA | 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing | 104.15 | 33.41 |
| | | *For Work In Restricted Working Space, Add* | *15.04* | |
| 22 66 53 00-0473 | EA | 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing | 157.32 | 38.80 |
| | | *For Work In Restricted Working Space, Add* | *17.46* | |
| 22 66 53 00-0474 | EA | 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing | 156.50 | 41.28 |
| | | *For Work In Restricted Working Space, Add* | *18.59* | |
| 22 66 53 00-0475 | EA | 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing | 417.69 | 49.37 |
| | | *For Work In Restricted Working Space, Add* | *22.25* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 66 53 00-0476 | EA | 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing | 440.64 | 54.76 |
| | | *For Work In Restricted Working Space, Add* | *24.68* | |

## 22 66 53 00-0477 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0478 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps | 88.76 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 66 53 00-0479 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps | 119.17 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 66 53 00-0480 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps | 191.95 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 66 53 00-0481 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps | 298.46 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |

## 22 66 53 00-0482 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0483 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes | 71.81 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 66 53 00-0484 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes | 95.76 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 66 53 00-0485 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes | 148.00 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 66 53 00-0486 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes | 195.24 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 66 53 00-0487 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes | 395.49 | 69.96 |
| | | *For Work In Restricted Working Space, Add* | *31.53* | |
| 22 66 53 00-0488 | EA | 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes | 457.55 | 94.21 |
| | | *For Work In Restricted Working Space, Add* | *42.44* | |

## 22 66 53 00-0489 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0490 | EA | 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes | 78.50 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 66 53 00-0491 | EA | 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes | 92.00 | 31.91 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 22 66 53 00-0492 | EA | 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes | 127.39 | 39.88 |
| | | *For Work In Restricted Working Space, Add* | *17.95* | |
| 22 66 53 00-0493 | EA | 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes | 136.75 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.08* | |
| 22 66 53 00-0494 | EA | 4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes | 139.99 | 44.84 |
| | | *For Work In Restricted Working Space, Add* | *20.21* | |
| 22 66 53 00-0495 | EA | 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes | 176.44 | 47.42 |
| | | *For Work In Restricted Working Space, Add* | *21.35* | |
| 22 66 53 00-0496 | EA | 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes | 186.87 | 51.31 |
| | | *For Work In Restricted Working Space, Add* | *23.12* | |
| 22 66 53 00-0497 | EA | 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes | 285.58 | 64.57 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |
| 22 66 53 00-0498 | EA | 8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes | 340.93 | 80.73 |
| | | *For Work In Restricted Working Space, Add* | *36.38* | |
| 22 66 53 00-0499 | EA | 8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes | 373.82 | 86.12 |
| | | *For Work In Restricted Working Space, Add* | *38.81* | |

## 22 66 53 00-0500 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0501 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes | 112.79 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 66 53 00-0502 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes | 131.25 | 45.92 |
| | | *For Work In Restricted Working Space, Add* | *20.70* | |
| 22 66 53 00-0503 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes | 205.25 | 61.77 |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| 22 66 53 00-0504 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes | 364.55 | 71.79 |
| | | *For Work In Restricted Working Space, Add* | *32.34* | |
| 22 66 53 00-0505 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes | 586.63 | 93.35 |
| | | *For Work In Restricted Working Space, Add* | *42.04* | |

## 22 66 53 00-0506 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0507 | EA | 2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes | 154.87 | 40.96 |
| | | *For Work In Restricted Working Space, Add* | *18.43* | |
| 22 66 53 00-0508 | EA | 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes | 195.81 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 66 53 00-0509 | EA | 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes | 327.70 | 66.72 |
| | | *For Work In Restricted Working Space, Add* | *30.08* | |
| 22 66 53 00-0510 | EA | 6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes | 479.38 | 82.57 |
| | | *For Work In Restricted Working Space, Add* | *37.19* | |

## 22 66 53 00-0511 Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0512 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 81.40 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 66 53 00-0513 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 106.41 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 66 53 00-0514 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 156.82 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 66 53 00-0515 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 204.84 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 66 53 00-0516 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 440.22 | 69.96 |
| | | *For Work In Restricted Working Space, Add* | *31.53* | |
| 22 66 53 00-0517 | EA | 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 758.08 | 94.21 |
| | | *For Work In Restricted Working Space, Add* | *42.44* | |

### 22 66 53 00-0518 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0519 | EA | 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 78.28 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 22 66 53 00-0520 | EA | 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 97.20 | 31.91 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 22 66 53 00-0521 | EA | 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 132.44 | 39.88 |
| | | *For Work In Restricted Working Space, Add* | *17.95* | |
| 22 66 53 00-0522 | EA | 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 142.26 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.08* | |
| 22 66 53 00-0523 | EA | 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 180.07 | 47.42 |
| | | *For Work In Restricted Working Space, Add* | *21.35* | |
| 22 66 53 00-0524 | EA | 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 191.35 | 51.31 |
| | | *For Work In Restricted Working Space, Add* | *23.12* | |
| 22 66 53 00-0525 | EA | 6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 346.90 | 62.09 |
| | | *For Work In Restricted Working Space, Add* | *27.97* | |
| 22 66 53 00-0526 | EA | 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends | 360.44 | 64.57 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |

### 22 66 53 00-0527 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0528 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends | 120.44 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 66 53 00-0529 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends | 177.09 | 45.92 |
| | | *For Work In Restricted Working Space, Add* | *20.70* | |
| 22 66 53 00-0530 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends | 278.48 | 61.77 |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| 22 66 53 00-0531 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends | 459.85 | 71.79 |
| | | *For Work In Restricted Working Space, Add* | *32.34* | |
| 22 66 53 00-0532 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends | 630.69 | 93.35 |
| | | *For Work In Restricted Working Space, Add* | *42.04* | |

### 22 66 53 00-0533 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0534 | EA | 2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends | 154.88 | 40.96 |
| | | *For Work In Restricted Working Space, Add* | *18.43* | |
| 22 66 53 00-0535 | EA | 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends | 236.60 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 66 53 00-0536 | EA | 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends | 283.43 | 58.86 |
| | | *For Work In Restricted Working Space, Add* | *26.52* | |
| 22 66 53 00-0537 | EA | 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends | 295.29 | 66.72 |
| | | *For Work In Restricted Working Space, Add* | *30.08* | |
| 22 66 53 00-0538 | EA | 6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends | 371.15 | 77.50 |
| | | *For Work In Restricted Working Space, Add* | *34.92* | |
| 22 66 53 00-0539 | EA | 6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends | 414.66 | 82.57 |
| | | *For Work In Restricted Working Space, Add* | *37.19* | |

### 22 66 53 00-0540 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0541 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees | 77.09 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 22 66 53 00-0542 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees | 92.24 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 22 66 53 00-0543 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees | 154.45 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 66 53 00-0544 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees | 196.52 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 22 66 53 00-0545 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees | 417.49 | 69.96 |
| | | *For Work In Restricted Working Space, Add* | *31.53* | |
| 22 66 53 00-0546 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug | 19.02 | 8.94 |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 22 66 53 00-0547 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug | 23.31 | 11.42 |
| | | *For Work In Restricted Working Space, Add* | *5.17* | |
| 22 66 53 00-0548 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug | 33.77 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 66 53 00-0549 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug | 38.83 | 17.89 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 66 53 00-0550 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug | 62.74 | 23.28 |
| | | *For Work In Restricted Working Space, Add* | *10.51* | |

### 22 66 53 00-0551 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0552 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug | 42.99 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 66 53 00-0553 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug | 53.39 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 66 53 00-0554 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug | 81.23 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 66 53 00-0555 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug | 113.90 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 66 53 00-0556 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug | 173.86 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| 22 66 53 00-0557 | EA | 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug | 300.98 | 62.85 |
| | | *For Work In Restricted Working Space, Add* | *28.33* | |

### 22 66 53 00-0558 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0559 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings | 46.31 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 66 53 00-0560 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) Couplings | 58.66 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 22 66 53 00-0561 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) Couplings | 77.28 | 30.82 |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| 22 66 53 00-0562 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) Couplings | 97.90 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 22 66 53 00-0563 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) Couplings | 139.82 | 46.68 |
| | | *For Work In Restricted Working Space, Add* | *21.02* | |
| 22 66 53 00-0564 | EA | 8" Chlorinated Polyvinyl Chloride (CPVC) Couplings | 282.51 | 62.85 |
| | | *For Work In Restricted Working Space, Add* | *28.33* | |

### 22 66 53 00-0565 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0566 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters | 28.71 | 8.94 |
| 22 66 53 00-0567 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters | 37.99 | 11.53 |
| 22 66 53 00-0568 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters | 57.42 | 15.41 |
| 22 66 53 00-0569 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters | 92.77 | 18.00 |
| 22 66 53 00-0570 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters | 145.29 | 23.28 |

### 22 66 53 00-0571 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0572 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters | 31.72 | 8.94 |
| 22 66 53 00-0573 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters | 44.62 | 11.53 |
| 22 66 53 00-0574 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters | 53.16 | 15.41 |
| 22 66 53 00-0575 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters | 89.45 | 18.00 |
| 22 66 53 00-0576 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters | 119.39 | 23.28 |

### 22 66 53 00-0577 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 66 53 00-0400)*

| | | | | |
|---|---|---|---|---|
| 22 66 53 00-0578 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap | 28.54 | 8.94 |
| 22 66 53 00-0579 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap | 35.26 | 11.53 |
| 22 66 53 00-0580 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap | 54.32 | 15.41 |
| 22 66 53 00-0581 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap | 90.43 | 18.00 |
| 22 66 53 00-0582 | EA | 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap | 115.47 | 23.28 |
| 22 66 53 00-0583 | EA | 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap | 179.86 | 31.48 |

## 22 66 83 Chemical-Waste Tanks *(22 66)*

### 22 66 83 16 Chemical-Waste Neutralization Tanks *(22 66 83)*

### 22 66 83 16-0001 Acid Neutralization Tank *(22 66 83 16)*

### 22 66 83 16-0002 Polyethylene Acid Neutralization Tank *(22 66 83 16-0001)*

| | | | | |
|---|---|---|---|---|
| 22 66 83 16-0003 | EA | 5 Gallon Capacity Polyethylene Acid Neutralization Tank | 577.90 | 219.48 |
| 22 66 83 16-0004 | EA | 15 Gallon Capacity Polyethylene Acid Neutralization Tank | 1,063.39 | 304.34 |
| 22 66 83 16-0005 | EA | 30 Gallon Capacity Polyethylene Acid Neutralization Tank | 1,312.68 | 438.96 |
| 22 66 83 16-0006 | EA | 55 Gallon Capacity Polyethylene Acid Neutralization Tank | 1,681.70 | 585.28 |
| 22 66 83 16-0007 | EA | 100 Gallon Capacity Polyethylene Acid Neutralization Tank | 2,167.78 | 702.33 |
| 22 66 83 16-0008 | EA | 150 Gallon Capacity Polyethylene Acid Neutralization Tank | 2,979.52 | 877.92 |
| 22 66 83 16-0009 | EA | 200 Gallon Capacity Polyethylene Acid Neutralization Tank | 3,424.30 | 1,097.40 |
| 22 66 83 16-0010 | EA | 275 Gallon Capacity Polyethylene Acid Neutralization Tank | 4,465.71 | 1,316.87 |
| 22 66 83 16-0011 | EA | 350 Gallon Capacity Polyethylene Acid Neutralization Tank | 5,054.59 | 1,580.25 |

### 22 66 83 16-0012 Polypropylene Acid Neutralization Tank *(22 66 83 16-0001)*

| | | | | |
|---|---|---|---|---|
| 22 66 83 16-0013 | EA | 5 Gallon Capacity Polypropylene Acid Neutralization Tank | 977.25 | 219.48 |
| 22 66 83 16-0014 | EA | 15 Gallon Capacity Polypropylene Acid Neutralization Tank | 1,695.69 | 304.34 |
| 22 66 83 16-0015 | EA | 30 Gallon Capacity Polypropylene Acid Neutralization Tank | 2,705.56 | 438.96 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 66 83 16-0016 | EA | 55 Gallon Capacity Polypropylene Acid Neutralization Tank | 3,564.91 | 585.28 |
| 22 66 83 16-0017 | EA | 100 Gallon Capacity Polypropylene Acid Neutralization Tank | 4,516.61 | 702.33 |
| 22 66 83 16-0018 | EA | 150 Gallon Capacity Polypropylene Acid Neutralization Tank | 5,133.15 | 877.92 |
| 22 66 83 16-0019 | EA | 200 Gallon Capacity Polypropylene Acid Neutralization Tank | 5,568.43 | 1,097.40 |
| 22 66 83 16-0020 | EA | 275 Gallon Capacity Polypropylene Acid Neutralization Tank | 8,209.63 | 1,316.87 |
| 22 66 83 16-0021 | EA | 350 Gallon Capacity Polypropylene Acid Neutralization Tank | 8,848.42 | 1,580.25 |

### 22 66 83 16-0022 Chemical Dilution Trap *(22 66 83 16)*

| | | | | |
|---|---|---|---|---|
| 22 66 83 16-0023 | EA | 1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap<br>Note: 1-1/2" top inlet and side outlet with anti siphon. | 530.19 | 73.16 |
| 22 66 83 16-0024 | EA | 1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap<br>Note: 1-1/2" top inlet and side outlet with anti siphon. | 547.67 | 73.16 |
| 22 66 83 16-0025 | EA | 2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap<br>Note: 1-1/2" top inlet and side outlet with anti siphon. | 565.14 | 73.16 |
| 22 66 83 16-0026 | EA | 5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap<br>Note: 1-1/2" top inlet and side outlet with anti siphon. | 617.53 | 87.79 |

## 22 67 Processed Water Systems for Laboratory and Healthcare Facilities *(22 60)*

### 22 67 13 Processed Water Piping for Laboratory and Healthcare Facilities *(22 67)*

#### 22 67 13 53 Laboratory Water Piping *(22 67 13)*

### 22 67 13 53-0001 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe And Fittings *(22 67 13 53)*

### 22 67 13 53-0002 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe *(22 67 13 53-0001)*

| | | | | |
|---|---|---|---|---|
| 22 67 13 53-0003 | LF | 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe | 10.04 | 3.12 |
| | | *For Work In Restricted Working Space, Add* | *1.39* | |
| 22 67 13 53-0004 | LF | 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe | 12.63 | 3.88 |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| 22 67 13 53-0005 | LF | 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe | 16.04 | 4.10 |
| | | *For Work In Restricted Working Space, Add* | *1.85* | |
| 22 67 13 53-0006 | LF | 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe | 24.98 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.02* | |
| 22 67 13 53-0007 | LF | 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe | 33.40 | 5.39 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |

### 22 67 13 53-0008 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbows *(22 67 13 53-0001)*

| | | | | |
|---|---|---|---|---|
| 22 67 13 53-0009 | EA | 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow | 37.84 | 11.53 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 22 67 13 53-0010 | EA | 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow | 46.95 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 67 13 53-0011 | EA | 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow | 56.39 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0012 | EA | 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow | 89.54 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0013 | EA | 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow | 110.77 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |

### 22 67 13 53-0014 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbows *(22 67 13 53-0001)*

| | | | | |
|---|---|---|---|---|
| 22 67 13 53-0015 | EA | 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow | 37.84 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 22 67 13 53-0016 | EA | 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow | 46.95 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 67 13 53-0017 | EA | 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow | 56.39 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0018 | EA | 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow | 90.04 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0019 | EA | 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow | 110.77 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |

### 22 67 13 53-0020 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tees *(22 67 13 53-0001)*

| | | | | |
|---|---|---|---|---|
| 22 67 13 53-0021 | EA | 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee | 52.52 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0022 | EA | 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee | 62.41 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 67 13 53-0023 | EA | 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee | 77.65 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0024 | EA | 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee | 127.58 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 67 13 53-0025 | EA | 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee | 164.72 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |

## 22 67 13 53-0026 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tees *(22 67 13 53-0001)*

| | | | | |
|---|---|---|---|---|
| 22 67 13 53-0027 | EA | 3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee | 111.93 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| 22 67 13 53-0028 | EA | 1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee | 131.69 | 25.11 |
| | | *For Work In Restricted Working Space, Add* | *11.32* | |
| 22 67 13 53-0029 | EA | 1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee | 138.80 | 27.27 |
| | | *For Work In Restricted Working Space, Add* | *12.29* | |
| 22 67 13 53-0030 | EA | 1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee | 175.95 | 38.80 |
| | | *For Work In Restricted Working Space, Add* | *17.46* | |
| 22 67 13 53-0031 | EA | 2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee | 214.14 | 51.73 |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |

## 22 67 13 53-0032 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Inserts *(22 67 13 53-0001)*

| | | | | |
|---|---|---|---|---|
| 22 67 13 53-0033 | EA | 3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert | 50.61 | 13.69 |
| | | *For Work In Restricted Working Space, Add* | *6.14* | |
| 22 67 13 53-0034 | EA | 1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert | 60.19 | 15.84 |
| | | *For Work In Restricted Working Space, Add* | *7.11* | |
| 22 67 13 53-0035 | EA | 1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert | 68.41 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 67 13 53-0036 | EA | 1-1/2" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert | 92.04 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| 22 67 13 53-0037 | EA | 1-1/2" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert | 98.04 | 23.71 |
| | | *For Work In Restricted Working Space, Add* | *10.67* | |
| 22 67 13 53-0038 | EA | 1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert | 101.85 | 25.11 |
| | | *For Work In Restricted Working Space, Add* | *11.32* | |
| 22 67 13 53-0039 | EA | 2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert | 152.32 | 35.25 |
| | | *For Work In Restricted Working Space, Add* | *15.85* | |

## 22 67 13 53-0040 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapters *(22 67 13 53-0001)*

| | | | | |
|---|---|---|---|---|
| 22 67 13 53-0041 | EA | 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter | 43.65 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 22 67 13 53-0042 | EA | 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter | 54.96 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 67 13 53-0043 | EA | 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter | 65.23 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0044 | EA | 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter | 95.62 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0045 | EA | 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter | 125.65 | 38.80 |
| | | *For Work In Restricted Working Space, Add* | *17.46* | |

## 22 67 13 53-0046 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapters *(22 67 13 53-0001)*

| | | | | |
|---|---|---|---|---|
| 22 67 13 53-0047 | EA | 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter | 43.65 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 22 67 13 53-0048 | EA | 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter | 54.96 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 67 13 53-0049 | EA | 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter | 65.23 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0050 | EA | 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter | 95.62 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0051 | EA | 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter | 124.59 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |

## 22 67 13 53-0052 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Couplings *(22 67 13 53-0001)*

| | | | | |
|---|---|---|---|---|
| 22 67 13 53-0053 | EA | 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling | 30.10 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 22 67 13 53-0054 | EA | 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling | 40.59 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 67 13 53-0055 | EA | 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling | 51.41 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0056 | EA | 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling | 80.69 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0057 | EA | 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling | 106.90 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |

## 22 67 13 53-0058 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Unions

*(22 67 13 53-0001)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 67 13 53-0059 | EA | 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union | 115.81 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0060 | EA | 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union | 127.36 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 67 13 53-0061 | EA | 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union | 149.24 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0062 | EA | 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union | 256.93 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 67 13 53-0063 | EA | 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union | 354.87 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 67 13 53-0064 | | Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Caps *(22 67 13 53-0001)* | | |
| 22 67 13 53-0065 | EA | 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap | 35.36 | 11.84 |
| | | *For Work In Restricted Working Space, Add* | *5.30* | |
| 22 67 13 53-0066 | EA | 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap | 43.63 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 67 13 53-0067 | EA | 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap | 51.41 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0068 | EA | 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap | 81.25 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0069 | EA | 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap | 106.90 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 67 13 53-0070 | | Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flanges *(22 67 13 53-0001)* | | |
| 22 67 13 53-0071 | EA | 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange | 61.92 | 19.40 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0072 | EA | 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange | 72.08 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 67 13 53-0073 | EA | 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange | 89.43 | 30.93 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0074 | EA | 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange | 135.32 | 46.78 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 67 13 53-0075 | EA | 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange | 162.51 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 67 13 53-0076 | | Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe And Fittings *(22 67 13 53)* | | |
| 22 67 13 53-0077 | | Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe *(22 67 13 53-0076)* | | |
| 22 67 13 53-0078 | LF | 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe | 14.29 | 3.12 |
| | | *For Work In Restricted Working Space, Add* | *1.39* | |
| 22 67 13 53-0079 | LF | 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe | 18.26 | 3.88 |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| 22 67 13 53-0080 | LF | 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe | 23.70 | 4.10 |
| | | *For Work In Restricted Working Space, Add* | *1.85* | |
| 22 67 13 53-0081 | LF | 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe | 29.95 | 4.52 |
| | | *For Work In Restricted Working Space, Add* | *2.02* | |
| 22 67 13 53-0082 | LF | 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe | 41.00 | 5.39 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 22 67 13 53-0083 | | Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbows *(22 67 13 53-0076)* | | |
| 22 67 13 53-0084 | EA | 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow | 49.63 | 11.53 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 22 67 13 53-0085 | EA | 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow | 63.67 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 67 13 53-0086 | EA | 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow | 79.36 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0087 | EA | 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow | 114.48 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0088 | EA | 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow | 151.23 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 67 13 53-0089 | | Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbows *(22 67 13 53-0076)* | | |
| 22 67 13 53-0090 | EA | 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow | 49.26 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 22 67 13 53-0091 | EA | 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow | 63.86 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 67 13 53-0092 | EA | 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow | 79.55 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0093 | EA | 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow | 117.10 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0094 | EA | 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow | 151.23 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **22 67 13 53-0095** | | **Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tees** *(22 67 13 53-0076)* | | |
| 22 67 13 53-0096 | EA | 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee | 67.18 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0097 | EA | 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee | 80.13 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 67 13 53-0098 | EA | 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee | 99.29 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0099 | EA | 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee | 149.77 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 67 13 53-0100 | EA | 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee | 192.70 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| **22 67 13 53-0101** | | **Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tees** *(22 67 13 53-0076)* | | |
| 22 67 13 53-0102 | EA | 3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee | 79.57 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| 22 67 13 53-0103 | EA | 1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee | 98.45 | 25.11 |
| | | *For Work In Restricted Working Space, Add* | *11.32* | |
| 22 67 13 53-0104 | EA | 1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee | 101.69 | 27.27 |
| | | *For Work In Restricted Working Space, Add* | *12.29* | |
| 22 67 13 53-0105 | EA | 1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee | 145.56 | 38.80 |
| | | *For Work In Restricted Working Space, Add* | *17.46* | |
| 22 67 13 53-0106 | EA | 2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee | 187.27 | 51.73 |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |
| **22 67 13 53-0107** | | **Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Inserts** *(22 67 13 53-0076)* | | |
| 22 67 13 53-0108 | EA | 3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert | 57.03 | 13.69 |
| | | *For Work In Restricted Working Space, Add* | *6.14* | |
| 22 67 13 53-0109 | EA | 1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert | 64.57 | 15.84 |
| | | *For Work In Restricted Working Space, Add* | *7.11* | |
| 22 67 13 53-0110 | EA | 1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert | 67.81 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 22 67 13 53-0111 | EA | 1-1/2" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert | 88.95 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| 22 67 13 53-0112 | EA | 1-1/2" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert | 92.19 | 23.71 |
| | | *For Work In Restricted Working Space, Add* | *10.67* | |
| 22 67 13 53-0113 | EA | 1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert | 94.34 | 25.11 |
| | | *For Work In Restricted Working Space, Add* | *11.32* | |
| 22 67 13 53-0114 | EA | 2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert | 131.55 | 35.25 |
| | | *For Work In Restricted Working Space, Add* | *15.85* | |
| **22 67 13 53-0115** | | **Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapters** *(22 67 13 53-0076)* | | |
| 22 67 13 53-0116 | EA | 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter | 49.63 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 22 67 13 53-0117 | EA | 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter | 62.54 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 67 13 53-0118 | EA | 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter | 73.55 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0119 | EA | 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter | 100.23 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0120 | EA | 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter | 142.94 | 38.80 |
| | | *For Work In Restricted Working Space, Add* | *17.46* | |
| **22 67 13 53-0121** | | **Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapters** *(22 67 13 53-0076)* | | |
| 22 67 13 53-0122 | EA | 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter | 49.63 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 22 67 13 53-0123 | EA | 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter | 62.54 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 67 13 53-0124 | EA | 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter | 73.55 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0125 | EA | 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter | 100.23 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0126 | EA | 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter | 142.99 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| **22 67 13 53-0127** | | **Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Couplings** *(22 67 13 53-0076)* | | |
| 22 67 13 53-0128 | EA | 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling | 46.44 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 22 67 13 53-0129 | EA | 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling | 58.80 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 67 13 53-0130 | EA | 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling | 69.43 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0131 | EA | 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling | 99.48 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0132 | EA | 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling | 128.37 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 67 13 53-0133 | | Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Unions *(22 67 13 53-0076)* | | |
| 22 67 13 53-0134 | EA | 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union | 158.09 | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0135 | EA | 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union | 182.85 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 67 13 53-0136 | EA | 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union | 220.95 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0137 | EA | 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union | 363.83 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 67 13 53-0138 | EA | 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union | 474.25 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 22 67 13 53-0139 | | Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Caps *(22 67 13 53-0076)* | | |
| 22 67 13 53-0140 | EA | 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap | 46.72 | 11.84 |
| | | *For Work In Restricted Working Space, Add* | *5.30* | |
| 22 67 13 53-0141 | EA | 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap | 58.80 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 22 67 13 53-0142 | EA | 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap | 69.24 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0143 | EA | 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap | 99.85 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0144 | EA | 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap | 128.37 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 22 67 13 53-0145 | | Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flanges *(22 67 13 53-0076)* | | |
| 22 67 13 53-0146 | EA | 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange | 90.98 | 19.40 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 22 67 13 53-0147 | EA | 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange | 104.50 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 22 67 13 53-0148 | EA | 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange | 125.72 | 30.93 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 22 67 13 53-0149 | EA | 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange | 180.51 | 46.78 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 22 67 13 53-0150 | EA | 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange | 224.94 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |

**END OF SECTION 22**

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

## 23 01 Operation and Maintenance of HVAC Systems *(23)*

### 23 01 01 Operation And Maintenance Of Miscellaneous Equipment *(23 01)*

#### 23 01 01 00-0001 Miscellaneous Equipment *(23 01 01)*

| | | | |
|---|---|---|---|
| 23 01 01 00-0002 | EA | 5 HP, 33500 RFP, 230/460V, 60GPM@170' TDH Air Treatment End Suction Condensing Pumps, 1.25"x1.5"x7A (Aurora 222S Serial# 95-03850) | 26,351.45 |
| 23 01 01 00-0003 | EA | 2 HP, 460/3 Ground water Pumps Assembly including Guide Rail (WEIL BSQ-200) | 4,036.22 |
| 23 01 01 00-0004 | EA | 20 HP, 1800 Rpm, 8.75" Impeller, Standard Seal, Baldor, TEFC, 230/460/3/60 Motor, 0 GPM, 0FT TDH Heating Hot Water Pump 3 HP: 480V/3HP (Bell & Gossett 5-BC, BF Series 1510) | 11,671.90 |
| 23 01 01 00-0005 | EA | 330 GPM, 10 HP, 1750 RPM 460/3/60 Motor, 25 FT Cable, Sewage Ejector Pump -10HP- 480V (WEIL 2519) | 29,308.05 |
| 23 01 01 00-0006 | EA | Steam Generator Including Electric Operated Control Valve (Cemline V160USG1230) | 86,806.27 |
| 23 01 01 00-0007 | EA | 3" Steam Pressure Regulating Cash Valve (Tyco PT# SRG448F3)<br>Note: Coil with 90:10 CuNi tubes, Pilot operated control valve, Control pilot monitor, Dual float and thermostatic traps, Incoming stream strainer, ASME Section 1 pressure relief valve to relieve the total BTU - brass, 2500 lb/hr of 5 PSIG steam when supplied with 3198 lb/hr of 50 PSIG steam | 9,060.43 |
| 23 01 01 00-0008 | EA | 4" Flange x 6" Flange Steam Safety Relief Valve, Cast Iron Body, Stainless Steel Nozzle Set @ 90 PSIG (Kunkle Model #6252 KNM Set at 95 psi) | 7,589.56 |
| 23 01 01 00-0009 | EA | 6" Flange x 8" Flange Steam Safety Relief Valve, Cast Iron Body, Stainless Steel Nozzle Set @ 10 PSIG. (Kunkle Model #6252KPQ Set at 10 psi)<br>Note: Relief valve is non code as the set pressure is below 15 PSIG | 14,860.92 |
| 23 01 01 00-0010 | EA | 330 GPM, 10 HP, 1750 RPM 460/3/60 Motot, 25 FT Cable, Storm Water Pump (WEIL 2519) | 29,308.05 |
| 23 01 01 00-0011 | EA | Chilled Water Pump (B&G Series 80 1-1/2 x 1-1/2 x 9-1/2) | 9,067.31 |
| 23 01 01 00-0012 | EA | Chilled Water System Expansion Tank (Xylem Series B-100LA ) | 3,976.95 |
| 23 01 01 00-0013 | EA | Chilled Water System Buffer Tank (Cemline CWB 120) | 11,228.34 |
| 23 01 01 00-0014 | EA | TEMP/trac Boiler And Water Heater Electronic Controller (PVI Serial# 109483339 and 109483340 Repair Only) | 24,697.48 |

### 23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

#### 23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

#### 23 01 10 91-0001 AQMD Permit Costs *(23 01 10 91)*

| | | | |
|---|---|---|---|
| 23 01 10 91-0002 | EA | Processing Fee - 5 To 20 Million | 10,067.39 |
| 23 01 10 91-0003 | EA | Processing Fee - 5 To 20 Million, Duplicate (Same Model Number) | 5,033.70 |
| 23 01 10 91-0004 | EA | Permit To Operate - 5 To 20 Million, (Annual Fee) | 1,993.60 |
| 23 01 10 91-0005 | EA | Processing Fee - 2 To 5 Million | 3,910.09 |
| 23 01 10 91-0006 | EA | Processing Fee - 2 To 5 Million, Duplicate (Same Model Number) | 1,955.04 |
| 23 01 10 91-0007 | EA | Permit To Operate - 2 To 5 Million, (Annual Fee) | 592.38 |

#### 23 01 10 91-0008 Purge Gas Systems *(23 01 10 91)*

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

| | | | |
|---|---|---|---|
| 23 01 10 91-0009 | EA | Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems | 540.83 |
| 23 01 10 91-0010 | EA | >100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems | 772.63 |
| 23 01 10 91-0011 | EA | >250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems | 811.71 |
| 23 01 10 91-0012 | EA | >500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems | 895.82 |
| 23 01 10 91-0013 | EA | >1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems | 1,622.71 |
| 23 01 10 91-0014 | EA | Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems | 727.76 |
| 23 01 10 91-0015 | EA | >100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems | 1,046.66 |
| 23 01 10 91-0016 | EA | >250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems | 1,110.15 |
| 23 01 10 91-0017 | EA | >500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems | 1,461.56 |
| 23 01 10 91-0018 | EA | >1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems | 2,266.48 |
| 23 01 10 91-0019 | EA | Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems | 866.78 |
| 23 01 10 91-0020 | EA | >100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems | 1,281.48 |
| 23 01 10 91-0021 | EA | >250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems | 2,948.94 |
| 23 01 10 91-0022 | EA | >500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems | 4,618.29 |
| 23 01 10 91-0023 | EA | >1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems | 8,685.82 |

### 23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

#### 23 01 20 91 HVAC Piping and Pumps Restoration *(23 01 20)*

#### 23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

| | | | |
|---|---|---|---|
| 23 01 20 91-0002 | EA | Up To 1", Lock Out/Tag Out Valve<br>Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s). | 29.26 |
| 23 01 20 91-0003 | EA | >1" To 3", Lock Out/Tag Out Valve<br>Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s). | 35.12 |
| 23 01 20 91-0004 | EA | >3" To 6", Lock Out/Tag Out Valve<br>Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s). | 40.97 |
| 23 01 20 91-0005 | EA | >6" To 10", Lock Out/Tag Out Valve<br>Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s). | 46.82 |
| 23 01 20 91-0006 | EA | >10" To 14", Lock Out/Tag Out Valve<br>Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s). | 58.53 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 01 20 91-0007 | EA | Lock Out Padlock | 11.71 | |
| 23 01 20 91-0008 | EA | Lock Out Tags | 4.90 | |
| 23 01 20 91-0009 | | **Freeze Pipe Using CO2 Kit** *(23 01 20 91)*<br>Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings. | | |
| 23 01 20 91-0010 | EA | Up To 2" Freeze Pipe Using CO2 Kit | 383.64 | |
| 23 01 20 91-0011 | | **Pipe Freezing** *(23 01 20 91)*<br>Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings. | | |
| 23 01 20 91-0012 | EA | Up To 1" Pipe Freezing, First Location<br>Note: Includes freezing on each side of valve or fitting. | 707.12 | |
| 23 01 20 91-0013 | EA | Up To 1" Pipe Freezing, Each Additional Location After First<br>Note: Includes freezing on each side of valve or fitting. | 377.83 | |
| 23 01 20 91-0014 | EA | >1" To 1-1/2" Pipe Freezing, First Location<br>Note: Includes freezing on each side of valve or fitting. | 854.77 | |
| 23 01 20 91-0015 | EA | >1" To 1-1/2" Pipe Freezing, Each Additional Location After First<br>Note: Includes freezing on each side of valve or fitting. | 435.90 | |
| 23 01 20 91-0016 | EA | >1-1/2" To 2" Pipe Freezing, First Location<br>Note: Includes freezing on each side of valve or fitting. | 1,173.21 | |
| 23 01 20 91-0017 | EA | >1-1/2" To 2" Pipe Freezing, Each Additional Location After First<br>Note: Includes freezing on each side of valve or fitting. | 494.15 | |
| 23 01 20 91-0018 | EA | >2" To 3" Pipe Freezing, First Location<br>Note: Includes freezing on each side of valve or fitting. | 1,337.93 | |
| 23 01 20 91-0019 | EA | >2" To 3" Pipe Freezing, Each Additional Location After First<br>Note: Includes freezing on each side of valve or fitting. | 581.23 | |
| 23 01 20 91-0020 | EA | >3" To 4" Pipe Freezing, First Location<br>Note: Includes freezing on each side of valve or fitting. | 1,954.05 | |
| 23 01 20 91-0021 | EA | >3" To 4" Pipe Freezing, Each Additional Location After First<br>Note: Includes freezing on each side of valve or fitting. | 670.99 | |
| 23 01 20 91-0022 | EA | >4" To 6" Pipe Freezing, First Location<br>Note: Includes freezing on each side of valve or fitting. | 4,007.65 | |
| 23 01 20 91-0023 | EA | >4" To 6" Pipe Freezing, Each Additional Location After First<br>Note: Includes freezing on each side of valve or fitting. | 880.18 | |
| 23 01 20 91-0024 | EA | >6" To 8" Pipe Freezing, First Location<br>Note: Includes freezing on each side of valve or fitting. | 5,331.59 | |
| 23 01 20 91-0025 | EA | >6" To 8" Pipe Freezing, Each Additional Location After First<br>Note: Includes freezing on each side of valve or fitting. | 1,292.16 | |
| 23 01 20 91-0026 | EA | >8" To 10" Pipe Freezing, First Location<br>Note: Includes freezing on each side of valve or fitting. | 7,351.83 | |
| 23 01 20 91-0027 | EA | >8" To 10" Pipe Freezing, Each Additional Location After First<br>Note: Includes freezing on each side of valve or fitting. | 1,759.76 | |
| 23 01 20 91-0028 | EA | >10" To 12" Pipe Freezing, First Location<br>Note: Includes freezing on each side of valve or fitting. | 9,461.32 | |
| 23 01 20 91-0029 | EA | >10" To 12" Pipe Freezing, Each Additional Location After First<br>Note: Includes freezing on each side of valve or fitting. | 2,282.48 | |
| 23 01 20 91-0030 | | **Water/Chlorine Pipe Disinfection/Flush/Testing** *(23 01 20 91)*<br>Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution". | | |
| 23 01 20 91-0031 | LF | Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing | 1.87 | |
| | | *For >250 To 500, Deduct* | *-0.16* | |
| | | *For >500 To 2,000, Deduct* | *-0.35* | |
| | | *For >2,000, Deduct* | *-0.53* | |
| 23 01 20 91-0032 | LF | >1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing | 2.53 | |
| | | *For >250 To 500, Deduct* | *-0.22* | |
| | | *For >500 To 2,000, Deduct* | *-0.46* | |
| | | *For >2,000, Deduct* | *-0.71* | |
| 23 01 20 91-0033 | LF | >2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing | 3.82 | |
| | | *For >250 To 500, Deduct* | *-0.33* | |
| | | *For >500 To 2,000, Deduct* | *-0.69* | |
| | | *For >2,000, Deduct* | *-1.06* | |
| 23 01 20 91-0034 | LF | 4", Water/Chlorine Pipe Disinfection/Flush/Testing | 5.18 | |
| | | *For >250 To 500, Deduct* | *-0.44* | |
| | | *For >500 To 2,000, Deduct* | *-0.93* | |
| | | *For >2,000, Deduct* | *-1.41* | |
| 23 01 20 91-0035 | LF | 6", Water/Chlorine Pipe Disinfection/Flush/Testing | 6.29 | |
| | | *For >250 To 500, Deduct* | *-0.53* | |
| | | *For >500 To 2,000, Deduct* | *-1.11* | |
| | | *For >2,000, Deduct* | *-1.70* | |
| 23 01 20 91-0036 | LF | 8", Water/Chlorine Pipe Disinfection/Flush/Testing | 7.91 | |
| | | *For >250 To 500, Deduct* | *-0.66* | |
| | | *For >500 To 2,000, Deduct* | *-1.39* | |
| | | *For >2,000, Deduct* | *-2.12* | |
| 23 01 20 91-0037 | LF | 10", Water/Chlorine Pipe Disinfection/Flush/Testing | 10.49 | |
| | | *For >250 To 500, Deduct* | *-0.88* | |
| | | *For >500 To 2,000, Deduct* | *-1.85* | |
| | | *For >2,000, Deduct* | *-2.83* | |
| 23 01 20 91-0038 | LF | 12", Water/Chlorine Pipe Disinfection/Flush/Testing | 12.58 | |
| | | *For >250 To 500, Deduct* | *-1.05* | |
| | | *For >500 To 2,000, Deduct* | *-2.22* | |
| | | *For >2,000, Deduct* | *-3.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 23 01 20 91-0039 Shut Down Existing Piping System *(23 01 20 91)*

| | | | | |
|---|---|---|---|---|
| 23 01 20 91-0040 | EA | Shut Down Existing Interior Piping System<br>Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one. | 246.50 | |

### 23 01 20 91-0041 Purge Liquid Systems *(23 01 20 91)*

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

| | | | | |
|---|---|---|---|---|
| 23 01 20 91-0042 | EA | Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System | 185.03 | |
| 23 01 20 91-0043 | EA | >50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System | 231.28 | |
| 23 01 20 91-0044 | EA | >100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System | 330.11 | |
| 23 01 20 91-0045 | EA | >250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System | 395.57 | |
| 23 01 20 91-0046 | EA | >500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System | 494.46 | |
| 23 01 20 91-0047 | EA | >1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System | 642.80 | |
| 23 01 20 91-0048 | LF | >2,000', Up To 3/4" Diameter Pipe, Purge Liquid System | 0.32 | |
| 23 01 20 91-0049 | EA | Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System | 385.31 | |
| 23 01 20 91-0050 | EA | >100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System | 550.29 | |
| 23 01 20 91-0051 | EA | >250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System | 659.36 | |
| 23 01 20 91-0052 | EA | >500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System | 824.20 | |
| 23 01 20 91-0053 | EA | >1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System | 1,071.46 | |
| 23 01 20 91-0054 | LF | >2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System | 0.53 | |
| 23 01 20 91-0055 | EA | Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System | 539.43 | |
| 23 01 20 91-0056 | EA | >100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System | 770.42 | |
| 23 01 20 91-0057 | EA | >250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System | 923.10 | |
| 23 01 20 91-0058 | EA | >500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System | 1,153.87 | |
| 23 01 20 91-0059 | EA | >1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System | 1,500.04 | |
| 23 01 20 91-0060 | LF | >2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System | 0.75 | |
| 23 01 20 91-0061 | EA | Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System | 741.71 | |
| 23 01 20 91-0062 | EA | >100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System | 1,059.32 | |
| 23 01 20 91-0063 | EA | >250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System | 1,124.60 | |
| 23 01 20 91-0064 | EA | >500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System | 1,405.75 | |
| 23 01 20 91-0065 | EA | >1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System | 1,827.47 | |
| 23 01 20 91-0066 | LF | >2,000', >3" To 6" Diameter Pipe, Purge Liquid System | 0.92 | |
| 23 01 20 91-0067 | EA | Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System | 1,001.32 | |
| 23 01 20 91-0068 | EA | >100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System | 1,430.07 | |
| 23 01 20 91-0069 | EA | >250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System | 1,518.21 | |
| 23 01 20 91-0070 | EA | >500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System | 1,897.75 | |
| 23 01 20 91-0071 | EA | >1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System | 2,467.09 | |
| 23 01 20 91-0072 | LF | >2,000', >6" To 10" Diameter Pipe, Purge Liquid System | 1.23 | |

### 23 01 20 91-0073 Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*

| | | | | |
|---|---|---|---|---|
| 23 01 20 91-0074 | EA | 1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD) | 401.30 | |
| 23 01 20 91-0075 | EA | 3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD) | 505.70 | |
| 23 01 20 91-0076 | EA | 1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD) | 702.62 | |
| 23 01 20 91-0077 | EA | 1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD) | 1,078.84 | |
| 23 01 20 91-0078 | EA | 1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD) | 1,333.25 | |
| 23 01 20 91-0079 | EA | 2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD) | 2,018.55 | |

## 23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

### 23 01 30 51 HVAC Air-Distribution System Cleaning *(23 01 30)*

### 23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment *(23 01 30 51)*

| | | | | |
|---|---|---|---|---|
| 23 01 30 51-0002 | LF | Up To 2 SF Cross Section, Clean Interior Supply/Return Ductwork<br>Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices. | 3.95 | |
| | | *For Exhaust Ductwork, Add* | *0.99* | |
| 23 01 30 51-0003 | LF | >2 SF To 4 SF Cross Section, Clean Interior Supply/Return Ductwork<br>Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices. | 4.95 | |
| | | *For Exhaust Ductwork, Add* | *1.24* | |
| 23 01 30 51-0004 | LF | >4 SF To 8 SF Cross Section, Clean Interior Supply/Return Ductwork<br>Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices. | 6.64 | |
| | | *For Exhaust Ductwork, Add* | *1.66* | |
| 23 01 30 51-0005 | LF | >8 SF Cross Section, Clean Interior Supply/Return Ductwork<br>Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices. | 9.43 | |
| | | *For Exhaust Ductwork, Add* | *2.36* | |
| 23 01 30 51-0006 | SF | Clean Exposed Exterior Of Metal Supply/Return Ductwork<br>Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices. | 0.57 | |
| 23 01 30 51-0007 | LF | Clean Supply/Return Shafts | 11.71 | |
| 23 01 30 51-0008 | EA | Clean Floor Transition | 9.43 | |
| 23 01 30 51-0009 | SF | Clean Duct Dampers | 13.29 | |
| 23 01 30 51-0010 | SF | Clean Duct Fire Dampers | 26.58 | |
| 23 01 30 51-0011 | SF | Clean Louver | 10.64 | |
| 23 01 30 51-0012 | EA | Clean Turning Vane Set | 31.91 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 01 30 51-0013 | EA | Clean Grille/Diffuser/Register<br>Note: Includes removal and reinstallation. | 31.91 | |
| 23 01 30 51-0014 | LF | Clean Linear Diffuser<br>Note: Includes removal and reinstallation. | 7.98 | |
| 23 01 30 51-0015 | EA | Cut Access For Cleaning Duct And Install Duct Insulated Access Doors | 108.88 | |
| | | *For Stainless Steel, Add* | *74.44* | |
| 23 01 30 51-0016 | EA | Clean Variable Air Volume (VAV) Unit | 95.71 | |
| 23 01 30 51-0017 | EA | Clean Fan Powered Induction Unit (PIU) Unit | 127.61 | |
| 23 01 30 51-0018 | EA | Clean Fan Coil Unit (FCU) | 127.61 | |
| 23 01 30 51-0019 | EA | Clean Packaged Terminal Air Conditioning Unit | 127.61 | |
| 23 01 30 51-0020 | EA | Clean Supply Or Return Fan | 255.22 | |
| 23 01 30 51-0021 | EA | Clean Exhaust Fan | 223.33 | |
| 23 01 30 51-0022 | EA | Clean Duct Coil | 191.42 | |
| 23 01 30 51-0023 | SF | Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum<br>Note: Excluding fan and coils. | 6.38 | |
| 23 01 30 51-0024 | EA | Clean Air Handling Unit Fan | 255.22 | |
| 23 01 30 51-0025 | EA | Clean Air Handling Unit Coil | 382.84 | |
| 23 01 30 51-0026 | SF | Clean Equipment Surfaces, Rust Reform And Prime | 3.50 | |
| 23 01 30 51-0027 | SF | Clean Interior Equipment Surfaces, Rust Reform And Prime | 4.13 | |
| 23 01 30 51-0028 | SF | High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms | 0.75 | |
| 23 01 30 51-0029 | EA | Cleaning Of Ductwork Minimum Set-up Charge<br>Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 918.65 | |
| 23 01 30 51-0030 | SF | Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning | 0.58 | |

## 23 01 30 61 HVAC Air-Distribution Duct Repair *(23 01 30)*

### 23 01 30 61-0001 Repair And Seal Ductwork *(23 01 30 61)*

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

| | | | | |
|---|---|---|---|---|
| 23 01 30 61-0002 | SF | Repair And Sealing Of Ductwork<br>Note: Clean, apply sealant and tape | 2.38 | |

### 23 01 30 61-0003 Temporary Duct Seal To Restrict Airflow *(23 01 30 61)*

Note: Includes inserting temporary seal in duct at access door, filling with air and removal after use. Excludes installing new acess door in ductwork or reworking ductwork. See CSI section 23 01 30 61-0022 for rework ductwork, 23 33 33 00-0000 for access doors.

| | | | | |
|---|---|---|---|---|
| 23 01 30 61-0004 | EA | 4" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 33.89 | |
| 23 01 30 61-0005 | EA | 6" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 37.27 | |
| 23 01 30 61-0006 | EA | 8" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 42.35 | |
| 23 01 30 61-0007 | EA | 10" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 46.35 | |
| 23 01 30 61-0008 | EA | 12" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 50.90 | |
| 23 01 30 61-0009 | EA | 16" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 56.82 | |
| 23 01 30 61-0010 | EA | 20" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 62.93 | |
| 23 01 30 61-0011 | EA | 24" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 68.66 | |
| 23 01 30 61-0012 | EA | 28" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 72.44 | |
| 23 01 30 61-0013 | EA | 30" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 78.30 | |
| 23 01 30 61-0014 | EA | 33" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 82.89 | |
| 23 01 30 61-0015 | EA | 36" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 88.54 | |
| 23 01 30 61-0016 | EA | 39" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 98.65 | |
| 23 01 30 61-0017 | EA | 42" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 107.44 | |
| 23 01 30 61-0018 | EA | 45" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 118.02 | |
| 23 01 30 61-0019 | EA | 48" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 127.99 | |
| 23 01 30 61-0020 | EA | 54" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 160.45 | |
| 23 01 30 61-0021 | EA | 60" Diameter, Temporary Re-usable Inflatable Duct Plug<br>Note: Includes removal after use. | 198.66 | |

### 23 01 30 61-0022 Rework Sheet Metal Ductwork *(23 01 30 61)*

Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.

| | | | | |
|---|---|---|---|---|
| 23 01 30 61-0023 | LF | Up To 1 SF Cross Section, Rework Existing Ductwork | 33.76 | |
| 23 01 30 61-0024 | LF | >1 To 2 SF Cross Section, Rework Existing Ductwork | 65.82 | |
| 23 01 30 61-0025 | LF | >2 To 4 SF Cross Section, Rework Existing Ductwork | 86.97 | |
| 23 01 30 61-0026 | LF | >4 To 6 SF Cross Section, Rework Existing Ductwork | 108.91 | |
| 23 01 30 61-0027 | LF | >6 To 8 SF Cross Section, Rework Existing Ductwork | 151.90 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 01 30 61-0028 | LF | >8 To 10 SF Cross Section, Rework Existing Ductwork | 177.21 | |
| 23 01 30 61-0029 | LF | >10 To 12 SF Cross Section, Rework Existing Ductwork | 202.53 | |
| 23 01 30 61-0030 | LF | >12 To 14 SF Cross Section, Rework Existing Ductwork | 227.85 | |

# 23 01 50 Operation and Maintenance of Central Heating Equipment *(23 01)*

## 23 01 50 61 Central Heating Equipment Repair *(23 01 50)*

### 23 01 50 61-0001 Boiler Repairs *(23 01 50 61)*

### 23 01 50 61-0002 Setup And Maintenance *(23 01 50 61-0001)*

| | | | |
|---|---|---|---|
| 23 01 50 61-0003 | EA | Set-up Charge For Boiler Fire Side Maintenance<br>Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside. | 2,603.32 |
| 23 01 50 61-0004 | EA | Close-up Charge For Boiler Fire Side Maintenance<br>Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals. | 2,847.45 |
| | | *For Burner Seals, Add* | *660.33* |
| | | *Note: Used when burner must be removed from door for maintenance.* | |
| 23 01 50 61-0005 | EA | Setup Charge For Boiler Water Side Maintenance<br>Note: Includes closing valves, draining, and positioning equipment needed for tube replacement. | 3,471.11 |
| 23 01 50 61-0006 | EA | Up To 100 HP, Hydrostatic Test - Boiler Maintenance<br>Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test. | 1,735.55 |
| 23 01 50 61-0007 | EA | >100 HP, Hydrostatic Test - Boiler Maintenance<br>Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test. | 3,471.11 |
| 23 01 50 61-0008 | EA | Removal And Replacement Of Handhole | 108.47 |
| 23 01 50 61-0009 | EA | Removal And Replacement Of Manhole | 325.42 |
| 23 01 50 61-0010 | SF | Sheet Metal Jacket Patch | 12.65 |

### 23 01 50 61-0011 Boiler Tube Replacement *(23 01 50 61-0001)*

| | | | |
|---|---|---|---|
| 23 01 50 61-0012 | EA | Removal Of Up To 2" Boiler Tube | 260.32 |
| 23 01 50 61-0013 | EA | Removal Of >2" To 3" Boiler Tube | 325.43 |
| 23 01 50 61-0014 | EA | Removal Of >3" To 4" Boiler Tube | 455.57 |
| 23 01 50 61-0015 | LF | Place 1-1/2" Boiler Tube Into Position For Termination<br>Note: Includes black steel tube, fasteners and accessories. | 14.22 |
| 23 01 50 61-0016 | LF | Place 2" Boiler Tube Into Position For Termination<br>Note: Includes black steel tube, fasteners and accessories. | 16.70 |
| 23 01 50 61-0017 | LF | Place 2-1/2" Boiler Tube Into Position For Termination<br>Note: Includes black steel tube, fasteners and accessories. | 19.21 |
| 23 01 50 61-0018 | LF | Place 3" Boiler Tube Into Position For Termination<br>Note: Includes black steel tube, fasteners and accessories. | 28.53 |
| 23 01 50 61-0019 | LF | Place 3-1/2" Boiler Tube Into Position For Termination<br>Note: Includes black steel tube, fasteners and accessories. | 33.71 |
| 23 01 50 61-0020 | LF | Place 4" Boiler Tube Into Position For Termination<br>Note: Includes black steel tube, fasteners and accessories. | 43.83 |
| 23 01 50 61-0021 | EA | 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube) | 32.54 |
| 23 01 50 61-0022 | EA | 2" Rolled Boiler Tube Termination (2 Per New Tube) | 48.81 |
| 23 01 50 61-0023 | EA | 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube) | 65.09 |
| 23 01 50 61-0024 | EA | 3" Rolled Boiler Tube Termination (2 Per New Tube) | 81.36 |
| 23 01 50 61-0025 | EA | 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube) | 97.63 |
| 23 01 50 61-0026 | EA | 4" Rolled Boiler Tube Termination (2 Per New Tube) | 113.90 |
| 23 01 50 61-0027 | EA | 1-1/2" Welded Boiler Tube Termination (2 Per New Tube) | 97.63 |
| 23 01 50 61-0028 | EA | 2" Welded Boiler Tube Termination (2 Per New Tube) | 130.17 |
| 23 01 50 61-0029 | EA | 2-1/2" Welded Boiler Tube Termination (2 Per New Tube) | 162.70 |
| 23 01 50 61-0030 | EA | 3" Welded Boiler Tube Termination (2 Per New Tube) | 195.25 |
| 23 01 50 61-0031 | EA | 3-1/2" Welded Boiler Tube Termination (2 Per New Tube) | 227.79 |
| 23 01 50 61-0032 | EA | 4" Welded Boiler Tube Termination (2 Per New Tube) | 260.32 |
| 23 01 50 61-0033 | EA | Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced | 402.79 |

### 23 01 50 61-0034 Cast Iron Boiler Section Replacement *(23 01 50 61-0001)*

| | | | |
|---|---|---|---|
| 23 01 50 61-0035 | EA | Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler | 2,886.22 |
| 23 01 50 61-0036 | EA | Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler | 1,987.35 |
| 23 01 50 61-0037 | EA | Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler | 2,494.37 |
| 23 01 50 61-0038 | EA | Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler | 5,315.17 |
| 23 01 50 61-0039 | EA | Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler | 3,921.77 |
| 23 01 50 61-0040 | EA | Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler | 4,565.68 |
| 23 01 50 61-0041 | EA | Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler | 8,623.63 |
| 23 01 50 61-0042 | EA | Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler | 6,713.75 |
| 23 01 50 61-0043 | EA | Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler | 7,199.59 |

### 23 01 50 61-0044 Cast Iron Grate Replacement *(23 01 50 61-0001)*

| | | | |
|---|---|---|---|
| 23 01 50 61-0045 | SF | Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold<br>Note: Includes support, linkages and removal of existing. | 148.54 |
| 23 01 50 61-0046 | EA | Prepare Cast Iron Boiler Grate Mold<br>Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings. | 2,233.41 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 01 50 61-0047** | | **Replacement Or Conversion Of Boiler Burners** *(23 01 50 61-0001)* | | |
| | | Note: Includes mounting plate, mechanical and electrical labor for installation of burners. | | |
| 23 01 50 61-0048 | EA | 700 MBH Max Input Burner With 2" Boiler Connection, Screwed | 10,943.13 | 1,149.01 |
| 23 01 50 61-0049 | EA | 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed | 15,828.44 | 1,422.56 |
| 23 01 50 61-0050 | EA | 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed | 18,689.21 | 1,723.39 |
| 23 01 50 61-0051 | EA | 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged | 22,075.19 | 1,854.78 |
| **23 01 50 61-0052** | | **Video Inspection Of Boiler Tubing** *(23 01 50 61-0001)* | | |
| 23 01 50 61-0053 | EA | Initial Set Up For Boiler Tubing Video Camera Inspection | 497.50 | |
| 23 01 50 61-0054 | LF | Boiler Tubing Inspection | 0.60 | |
| **23 01 50 61-0055** | | **Boiler And Chiller Water Treatment** *(23 01 50 61)* | | |
| | | Note: 3 LB chemical per 50 gallon system water. | | |
| 23 01 50 61-0056 | LB | Boil Out Boiler And System With Caustic Soda | 1.74 | |
| | | Note: Includes disposal after treatment. | | |
| 23 01 50 61-0057 | LB | Boil Out Boiler And System With Trisodium Phosphate | 2.62 | |
| | | Note: Includes disposal after treatment. | | |
| 23 01 50 61-0058 | GAL | Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required | 163.43 | |

## 23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

### 23 01 60 61 Central Cooling Equipment Repair *(23 01 60)*

| | | | | |
|---|---|---|---|---|
| **23 01 60 61-0001** | | **Cooling Tower Repairs** *(23 01 60 61)* | | |
| 23 01 60 61-0002 | EA | Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade | 3,603.98 | |
| 23 01 60 61-0003 | EA | Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade | 4,253.21 | |
| 23 01 60 61-0004 | EA | Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade | 4,897.68 | |
| 23 01 60 61-0005 | EA | Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade | 5,790.97 | |
| 23 01 60 61-0006 | EA | Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade | 6,385.70 | |
| 23 01 60 61-0007 | EA | Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade | 3,975.42 | |
| 23 01 60 61-0008 | EA | Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade | 4,430.33 | |
| 23 01 60 61-0009 | EA | Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade | 5,212.25 | |
| 23 01 60 61-0010 | EA | Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade | 5,946.77 | |
| 23 01 60 61-0011 | EA | Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade | 6,555.73 | |
| 23 01 60 61-0012 | EA | Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan | 989.84 | |
| 23 01 60 61-0013 | EA | Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan | 1,026.69 | |
| 23 01 60 61-0014 | EA | Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan | 1,096.73 | |
| 23 01 60 61-0015 | EA | Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan | 1,278.11 | |
| 23 01 60 61-0016 | EA | Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan | 1,585.06 | |
| 23 01 60 61-0017 | EA | Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan | 2,145.56 | |
| 23 01 60 61-0018 | EA | Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan | 2,255.86 | |
| 23 01 60 61-0019 | EA | Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan | 2,421.32 | |
| 23 01 60 61-0020 | EA | Replace Counterflow Nozzle (1/2" - 2" NPT Thread) | 41.34 | |
| 23 01 60 61-0021 | EA | Replace 6' Polyvinyl Chloride (PVC) Splash Fill | 24.51 | |

### 23 01 60 71 Refrigerant Recovery/Recycling *(23 01 60)*

| | | | | |
|---|---|---|---|---|
| **23 01 60 71-0001** | | **Refrigerant Recovery, Reclaim And Recycling** *(23 01 60 71)* | | |
| | | See CSI section 23 01 60 71-0005 for flushing pipe with nitrogen and vacuum removal of inert gases. | | |
| 23 01 60 71-0002 | LB | Recovery Of Refrigerant | 12.38 | |
| 23 01 60 71-0003 | LB | Recovery And Recharging Of Refrigerant | 23.23 | |
| | | Note: Includes cleaning refrigerant gas prior to recharging. | | |
| 23 01 60 71-0004 | LB | Recharging Of Refrigerant | 10.43 | |
| | | Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units. See CSI section 23 23 23 00-0000 for refrigerants. | | |
| **23 01 60 71-0005** | | **Flush And Cleaning Of Refrigerant Piping Systems With Nitrogen** *(23 01 60 71)* | | |
| | | Note: Includes vacuum of nitrogen from pipe. | | |
| 23 01 60 71-0006 | EA | Up To 100', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 126.61 | |
| 23 01 60 71-0007 | EA | >100 To 250', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 162.02 | |
| 23 01 60 71-0008 | EA | >250 To 500', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 203.95 | |
| 23 01 60 71-0009 | EA | >500 To 1,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 262.08 | |
| 23 01 60 71-0010 | EA | >1,000 To 2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 347.62 | |
| 23 01 60 71-0011 | LF | >2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 0.20 | |
| 23 01 60 71-0012 | EA | Up To 100', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 173.36 | |
| 23 01 60 71-0013 | EA | >100 To 250', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 222.02 | |
| 23 01 60 71-0014 | EA | >250 To 500', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 279.47 | |
| 23 01 60 71-0015 | EA | >500 To 1,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 359.63 | |
| 23 01 60 71-0016 | EA | >1,000 To 2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 477.71 | |
| 23 01 60 71-0017 | LF | >2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 0.27 | |
| 23 01 60 71-0018 | EA | Up To 100', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 220.37 | |
| 23 01 60 71-0019 | EA | >100 To 250', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 282.46 | |
| 23 01 60 71-0020 | EA | >250 To 500', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 356.00 | |
| 23 01 60 71-0021 | EA | >500 To 1,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 458.73 | |
| 23 01 60 71-0022 | EA | >1,000 To 2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 611.80 | |
| 23 01 60 71-0023 | LF | >2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 0.35 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 01 60 71-0024 | EA | Up To 100', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 252.69 | |
| 23 01 60 71-0025 | EA | >100 To 250', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 327.34 | |
| 23 01 60 71-0026 | EA | >250 To 500', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 415.64 | |
| 23 01 60 71-0027 | EA | >500 To 1,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 540.23 | |
| 23 01 60 71-0028 | EA | >1,000 To 2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 735.69 | |
| 23 01 60 71-0029 | LF | >2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 0.40 | |
| 23 01 60 71-0030 | EA | Up To 100', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 300.30 | |
| 23 01 60 71-0031 | EA | >100 To 250', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 389.41 | |
| 23 01 60 71-0032 | EA | >250 To 500', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 540.38 | |
| 23 01 60 71-0033 | EA | >500 To 1,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 643.68 | |
| 23 01 60 71-0034 | EA | >1,000 To 2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 878.45 | |
| 23 01 60 71-0035 | LF | >2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 0.47 | |
| 23 01 60 71-0036 | EA | Up To 100', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 342.51 | |
| 23 01 60 71-0037 | EA | >100 To 250', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 444.46 | |
| 23 01 60 71-0038 | EA | >250 To 500', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 565.28 | |
| 23 01 60 71-0039 | EA | >500 To 1,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 736.25 | |
| 23 01 60 71-0040 | EA | >1,000 To 2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 1,007.03 | |
| 23 01 60 71-0041 | LF | >2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen | 0.55 | |

# 23 05 Common Work Results for HVAC *(23)*

## 23 05 13 Common Motor Requirements for HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

### 23 05 13 00-0001 Premium Efficient, Motors *(23 05 13)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.

### 23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

### 23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

| | | | | |
|---|---|---|---|---|
| 23 05 13 00-0004 | EA | 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 801.49 | |
| 23 05 13 00-0005 | EA | 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 907.55 | |
| 23 05 13 00-0006 | EA | 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 1,064.02 | |
| 23 05 13 00-0007 | EA | 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 893.64 | |
| 23 05 13 00-0008 | EA | 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 949.28 | |
| 23 05 13 00-0009 | EA | 1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 1,244.84 | |
| 23 05 13 00-0010 | EA | 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 1,050.11 | |
| 23 05 13 00-0011 | EA | 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 1,017.08 | |
| 23 05 13 00-0012 | EA | 2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 1,272.66 | |
| 23 05 13 00-0013 | EA | 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 1,064.02 | |
| 23 05 13 00-0014 | EA | 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 1,097.06 | |
| 23 05 13 00-0015 | EA | 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 1,620.38 | |
| 23 05 13 00-0016 | EA | 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 1,161.38 | |
| 23 05 13 00-0017 | EA | 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 1,201.37 | |
| 23 05 13 00-0018 | EA | 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 2,122.83 | |
| 23 05 13 00-0019 | EA | 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 1,842.92 | |
| 23 05 13 00-0020 | EA | 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 1,766.42 | |
| 23 05 13 00-0021 | EA | 7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 2,545.31 | |
| 23 05 13 00-0022 | EA | 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 2,107.18 | |
| 23 05 13 00-0023 | EA | 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 2,138.48 | |
| 23 05 13 00-0024 | EA | 10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 3,312.03 | |
| 23 05 13 00-0025 | EA | 15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 2,993.87 | |
| 23 05 13 00-0026 | EA | 15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 3,028.64 | |
| 23 05 13 00-0027 | EA | 15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 4,466.46 | |
| 23 05 13 00-0028 | EA | 20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 3,517.19 | |
| 23 05 13 00-0029 | EA | 20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 3,802.32 | |
| 23 05 13 00-0030 | EA | 20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 5,436.60 | |
| 23 05 13 00-0031 | EA | 25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 4,223.06 | |
| 23 05 13 00-0032 | EA | 25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 4,635.11 | |
| 23 05 13 00-0033 | EA | 25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 6,566.69 | |
| 23 05 13 00-0034 | EA | 30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 4,982.83 | |
| 23 05 13 00-0035 | EA | 30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 5,068.02 | |
| 23 05 13 00-0036 | EA | 30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 6,850.08 | |
| 23 05 13 00-0037 | EA | 40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 6,420.65 | |
| 23 05 13 00-0038 | EA | 40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 6,611.90 | |
| 23 05 13 00-0039 | EA | 50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 6,992.65 | |
| 23 05 13 00-0040 | EA | 50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 7,296.90 | |
| 23 05 13 00-0041 | EA | 60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 8,847.74 | |
| 23 05 13 00-0042 | EA | 60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 9,186.76 | |
| 23 05 13 00-0043 | EA | 75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 11,606.89 | |
| 23 05 13 00-0044 | EA | 75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 11,276.56 | |
| 23 05 13 00-0045 | EA | 100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 12,406.65 | |
| 23 05 13 00-0046 | EA | 100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 13,119.48 | |
| 23 05 13 00-0047 | EA | 125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 15,570.90 | |
| 23 05 13 00-0048 | EA | 125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 16,094.22 | |
| 23 05 13 00-0049 | EA | 150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor | 19,208.05 | |

### 23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 13 00-0051 | EA | 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor | 9,758.76 | |
| 23 05 13 00-0052 | EA | 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor | 11,813.79 | |
| 23 05 13 00-0053 | EA | 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor | 14,998.90 | |
| 23 05 13 00-0054 | EA | 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor | 16,699.25 | |
| 23 05 13 00-0055 | EA | 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor | 18,380.48 | |
| 23 05 13 00-0056 | EA | 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor | 19,849.60 | |
| 23 05 13 00-0057 | EA | 150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor | 17,878.02 | |
| 23 05 13 00-0058 | EA | 150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor | 23,377.22 | |
| 23 05 13 00-0059 | EA | 200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor | 21,767.27 | |
| 23 05 13 00-0060 | EA | 200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor | 22,341.01 | |
| 23 05 13 00-0061 | EA | 200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor | 30,729.76 | |

## 23 05 13 00-0062 Premium Efficient, TEFC Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.

## 23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*

| | | | | |
|---|---|---|---|---|
| 23 05 13 00-0064 | EA | 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor | 937.11 | |
| 23 05 13 00-0065 | EA | 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor | 1,032.73 | |
| 23 05 13 00-0066 | EA | 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor | 1,229.19 | |
| 23 05 13 00-0067 | EA | 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor | 1,062.28 | |
| 23 05 13 00-0068 | EA | 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor | 1,072.72 | |
| 23 05 13 00-0069 | EA | 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor | 1,163.12 | |
| 23 05 13 00-0070 | EA | 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor | 1,112.70 | |
| 23 05 13 00-0071 | EA | 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor | 1,290.04 | |
| 23 05 13 00-0072 | EA | 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor | 1,229.19 | |
| 23 05 13 00-0073 | EA | 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor | 1,973.31 | |
| 23 05 13 00-0074 | EA | 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor | 1,430.87 | |
| 23 05 13 00-0075 | EA | 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor | 1,345.68 | |
| 23 05 13 00-0076 | EA | 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor | 2,228.89 | |
| 23 05 13 00-0077 | EA | 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor | 2,143.69 | |
| 23 05 13 00-0078 | EA | 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor | 1,940.28 | |
| 23 05 13 00-0079 | EA | 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor | 2,173.25 | |
| 23 05 13 00-0080 | EA | 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor | 2,190.64 | |

## 23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*

| | | | | |
|---|---|---|---|---|
| 23 05 13 00-0082 | EA | 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 1,336.98 | |
| 23 05 13 00-0083 | EA | 1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 1,496.93 | |
| 23 05 13 00-0084 | EA | 1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 1,411.74 | |
| 23 05 13 00-0085 | EA | 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 1,385.66 | |
| 23 05 13 00-0086 | EA | 1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 1,782.06 | |
| 23 05 13 00-0087 | EA | 2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 1,484.76 | |
| 23 05 13 00-0088 | EA | 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 1,451.73 | |
| 23 05 13 00-0089 | EA | 2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 1,809.88 | |
| 23 05 13 00-0090 | EA | 3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 1,602.99 | |
| 23 05 13 00-0091 | EA | 3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 1,648.19 | |
| 23 05 13 00-0092 | EA | 3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 2,254.96 | |
| 23 05 13 00-0093 | EA | 5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 1,973.31 | |
| 23 05 13 00-0094 | EA | 5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 1,649.93 | |
| 23 05 13 00-0095 | EA | 5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 2,616.59 | |
| 23 05 13 00-0096 | EA | 7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 2,284.52 | |
| 23 05 13 00-0097 | EA | 7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 2,201.07 | |
| 23 05 13 00-0098 | EA | 7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 3,731.04 | |
| 23 05 13 00-0099 | EA | 10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 2,677.44 | |
| 23 05 13 00-0100 | EA | 10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 2,468.81 | |
| 23 05 13 00-0101 | EA | 10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 4,259.57 | |
| 23 05 13 00-0102 | EA | 15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 3,689.31 | |
| 23 05 13 00-0103 | EA | 15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 3,376.36 | |
| 23 05 13 00-0104 | EA | 15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 5,681.74 | |
| 23 05 13 00-0105 | EA | 20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 4,049.20 | |
| 23 05 13 00-0106 | EA | 20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 4,094.40 | |
| 23 05 13 00-0107 | EA | 20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 7,564.65 | |
| 23 05 13 00-0108 | EA | 25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 5,283.61 | |
| 23 05 13 00-0109 | EA | 25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 5,354.89 | |
| 23 05 13 00-0110 | EA | 25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 8,559.13 | |
| 23 05 13 00-0111 | EA | 30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 6,278.08 | |
| 23 05 13 00-0112 | EA | 30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 6,352.84 | |
| 23 05 13 00-0113 | EA | 30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 9,887.42 | |
| 23 05 13 00-0114 | EA | 40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 8,606.07 | |
| 23 05 13 00-0115 | EA | 40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 8,307.03 | |
| 23 05 13 00-0116 | EA | 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 12,321.46 | |
| 23 05 13 00-0117 | EA | 50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 9,414.52 | |
| 23 05 13 00-0118 | EA | 50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 9,078.97 | |
| 23 05 13 00-0119 | EA | 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 14,889.37 | |
| 23 05 13 00-0120 | EA | 60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 13,225.53 | |
| 23 05 13 00-0121 | EA | 60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 13,063.84 | |
| 23 05 13 00-0122 | EA | 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 18,072.75 | |
| 23 05 13 00-0123 | EA | 75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 15,386.61 | |
| 23 05 13 00-0124 | EA | 75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 15,275.34 | |
| 23 05 13 00-0125 | EA | 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 21,045.75 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 13 00-0126 | EA | 100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 18,969.86 | |
| 23 05 13 00-0127 | EA | 125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 23,485.01 | |
| 23 05 13 00-0128 | EA | 150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 27,014.37 | |
| 23 05 13 00-0129 | EA | 200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor | 33,951.38 | |
| 23 05 13 00-0130 | | **Premium Efficient, Severe Duty Motors** *(23 05 13 00-0001)* | | |
| | | Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors. | | |
| 23 05 13 00-0131 | EA | 1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 1,389.14 | |
| 23 05 13 00-0132 | EA | 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 1,526.49 | |
| 23 05 13 00-0133 | EA | 1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 1,686.44 | |
| 23 05 13 00-0134 | EA | 1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 2,369.71 | |
| 23 05 13 00-0135 | EA | 1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 1,580.39 | |
| 23 05 13 00-0136 | EA | 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 1,556.05 | |
| 23 05 13 00-0137 | EA | 1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 1,973.31 | |
| 23 05 13 00-0138 | EA | 1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 2,948.67 | |
| 23 05 13 00-0139 | EA | 2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 1,653.41 | |
| 23 05 13 00-0140 | EA | 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 1,623.85 | |
| 23 05 13 00-0141 | EA | 2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 1,999.39 | |
| 23 05 13 00-0142 | EA | 2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 3,718.87 | |
| 23 05 13 00-0143 | EA | 3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 1,955.92 | |
| 23 05 13 00-0144 | EA | 3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 2,055.03 | |
| 23 05 13 00-0145 | EA | 3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 2,886.08 | |
| 23 05 13 00-0146 | EA | 3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 4,033.55 | |
| 23 05 13 00-0147 | EA | 5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 2,406.22 | |
| 23 05 13 00-0148 | EA | 5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 2,091.54 | |
| 23 05 13 00-0149 | EA | 5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 2,924.33 | |
| 23 05 13 00-0150 | EA | 5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 6,420.65 | |
| 23 05 13 00-0151 | EA | 7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 3,139.91 | |
| 23 05 13 00-0152 | EA | 7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 2,633.98 | |
| 23 05 13 00-0153 | EA | 7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 4,184.81 | |
| 23 05 13 00-0154 | EA | 7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 7,342.11 | |
| 23 05 13 00-0155 | EA | 10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 3,343.33 | |
| 23 05 13 00-0156 | EA | 10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 3,153.82 | |
| 23 05 13 00-0157 | EA | 10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 5,436.60 | |
| 23 05 13 00-0158 | EA | 10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 8,564.34 | |
| 23 05 13 00-0159 | EA | 15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 4,276.96 | |
| 23 05 13 00-0160 | EA | 15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 4,017.90 | |
| 23 05 13 00-0161 | EA | 15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 6,232.88 | |
| 23 05 13 00-0162 | EA | 15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 11,433.03 | |
| 23 05 13 00-0163 | EA | 20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 4,989.78 | |
| 23 05 13 00-0164 | EA | 20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 4,309.99 | |
| 23 05 13 00-0165 | EA | 20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 8,468.72 | |
| 23 05 13 00-0166 | EA | 20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 13,034.28 | |
| 23 05 13 00-0167 | EA | 25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 5,996.43 | |
| 23 05 13 00-0168 | EA | 25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 5,640.02 | |
| 23 05 13 00-0169 | EA | 25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 8,849.47 | |
| 23 05 13 00-0170 | EA | 30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 7,310.81 | |
| 23 05 13 00-0171 | EA | 30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 6,697.09 | |
| 23 05 13 00-0172 | EA | 30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 11,408.69 | |
| 23 05 13 00-0173 | EA | 40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 10,043.89 | |
| 23 05 13 00-0174 | EA | 40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 8,762.54 | |
| 23 05 13 00-0175 | EA | 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 14,220.01 | |
| 23 05 13 00-0176 | EA | 50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 10,525.48 | |
| 23 05 13 00-0177 | EA | 50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 10,285.56 | |
| 23 05 13 00-0178 | EA | 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 15,146.68 | |
| 23 05 13 00-0179 | EA | 60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 15,275.34 | |
| 23 05 13 00-0180 | EA | 60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 13,785.36 | |
| 23 05 13 00-0181 | EA | 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 20,689.34 | |
| 23 05 13 00-0182 | EA | 75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 17,076.53 | |
| 23 05 13 00-0183 | EA | 75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 16,108.13 | |
| 23 05 13 00-0184 | EA | 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 25,180.14 | |
| 23 05 13 00-0185 | EA | 100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 21,464.76 | |
| 23 05 13 00-0186 | EA | 100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 21,144.85 | |
| 23 05 13 00-0187 | EA | 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 27,695.90 | |
| 23 05 13 00-0188 | EA | 125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 25,221.87 | |
| 23 05 13 00-0189 | EA | 125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 24,997.59 | |
| 23 05 13 00-0190 | EA | 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 31,287.85 | |
| 23 05 13 00-0191 | EA | 150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 29,568.37 | |
| 23 05 13 00-0192 | EA | 150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 29,284.98 | |
| 23 05 13 00-0193 | EA | 150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 35,276.19 | |
| 23 05 13 00-0194 | EA | 200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 35,013.67 | |
| 23 05 13 00-0195 | EA | 200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 35,229.25 | |
| 23 05 13 00-0196 | EA | 200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor | 46,208.51 | |
| 23 05 13 00-0197 | | **Premium Efficient, Explosion Proof Motors** *(23 05 13 00-0001)* | | |
| | | Note: NEMA premium efficiency, explosion proof, three phase AC motors. | | |
| 23 05 13 00-0198 | EA | 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 1,853.35 | |
| 23 05 13 00-0199 | EA | 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 1,919.41 | |
| 23 05 13 00-0200 | EA | 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 2,093.27 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 13 00-0201 | EA | 3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 2,587.04 | |
| 23 05 13 00-0202 | EA | 5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 2,868.69 | |
| 23 05 13 00-0203 | EA | 7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 3,953.58 | |
| 23 05 13 00-0204 | EA | 10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 4,035.29 | |
| 23 05 13 00-0205 | EA | 15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 5,462.68 | |
| 23 05 13 00-0206 | EA | 20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 6,227.67 | |
| 23 05 13 00-0207 | EA | 25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 8,181.85 | |
| 23 05 13 00-0208 | EA | 30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 9,183.29 | |
| 23 05 13 00-0209 | EA | 40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 12,008.51 | |
| 23 05 13 00-0210 | EA | 50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 13,524.57 | |
| 23 05 13 00-0211 | EA | 60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 18,919.45 | |
| 23 05 13 00-0212 | EA | 75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 22,210.62 | |
| 23 05 13 00-0213 | EA | 100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 27,056.09 | |
| 23 05 13 00-0214 | EA | 125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 35,363.12 | |
| 23 05 13 00-0215 | EA | 150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor | 40,349.43 | |

### 23 05 13 00-0216 Motor Mounting *(23 05 13)*

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

| | | | | |
|---|---|---|---|---|
| 23 05 13 00-0217 | EA | 1/2 HP Motor Mounting | 198.22 | 100.85 |
| 23 05 13 00-0218 | EA | 3/4 HP Motor Mounting | 228.39 | 126.07 |
| 23 05 13 00-0219 | EA | 1 HP Motor Mounting | 244.32 | 126.07 |
| 23 05 13 00-0220 | EA | 1-1/2 HP Motor Mounting | 262.64 | 126.07 |
| 23 05 13 00-0221 | EA | 2 HP Motor Mounting | 283.93 | 151.28 |
| 23 05 13 00-0222 | EA | 3 HP Motor Mounting | 328.30 | 151.28 |
| 23 05 13 00-0223 | EA | 5 HP Motor Mounting | 389.10 | 252.14 |
| 23 05 13 00-0224 | EA | 7-1/2 HP Motor Mounting | 500.26 | 252.14 |
| 23 05 13 00-0225 | EA | 10 HP Motor Mounting | 656.61 | 441.24 |
| 23 05 13 00-0226 | EA | 15 HP Motor Mounting | 808.13 | 441.24 |
| 23 05 13 00-0227 | EA | 20 HP Motor Mounting | 955.06 | 630.34 |
| 23 05 13 00-0228 | EA | 25 HP Motor Mounting | 1,083.05 | 630.34 |
| 23 05 13 00-0229 | EA | 30 HP Motor Mounting | 1,313.20 | 630.34 |
| 23 05 13 00-0230 | EA | 40 HP Motor Mounting | 1,479.66 | 945.51 |
| 23 05 13 00-0231 | EA | 50 HP Motor Mounting | 1,641.50 | 945.51 |
| 23 05 13 00-0232 | EA | 75 HP Motor Mounting | 1,982.19 | 1,386.74 |
| 23 05 13 00-0233 | EA | 100 HP Motor Mounting | 2,387.64 | 1,386.74 |
| 23 05 13 00-0234 | EA | 125 HP Motor Mounting | 2,918.23 | 1,891.01 |
| 23 05 13 00-0235 | EA | 150 HP Motor Mounting | 3,388.91 | 1,891.01 |
| 23 05 13 00-0236 | EA | 200 HP Motor Mounting | 3,890.97 | 2,269.21 |

### 23 05 13 00-0237 Motor Couplings *(23 05 13)*

| | | | | |
|---|---|---|---|---|
| 23 05 13 00-0238 | EA | 5 To 15 HP, MGD Coupling (MagnaDrive MGE-07) | 5,216.82 | 71.18 |
| 23 05 13 00-0239 | EA | >15 To 50 HP, MGD Coupling (MagnaDrive MGE-11) | 6,792.39 | 106.77 |
| 23 05 13 00-0240 | EA | >50 To 100 HP, MGD Coupling (MagnaDrive MGE-15) | 11,838.30 | 142.36 |

## 23 05 16 Expansion Fittings and Loops for HVAC Piping *(23 05)*

### 23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints *(23 05 16)*

Note: Includes internal sleeves and external covers.

### 23 05 16 00-0002 Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

| | | | | |
|---|---|---|---|---|
| 23 05 16 00-0003 | EA | 1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 233.77 | 94.39 |
| | | *For 300 Lb. Rating, Add* | *11.23* | |
| 23 05 16 00-0004 | EA | 3/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 261.93 | 106.44 |
| | | *For 300 Lb. Rating, Add* | *12.30* | |
| 23 05 16 00-0005 | EA | 1" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 308.10 | 122.02 |
| | | *For 300 Lb. Rating, Add* | *16.03* | |
| 23 05 16 00-0006 | EA | 1-1/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 349.05 | 136.19 |
| | | *For 300 Lb. Rating, Add* | *19.24* | |
| 23 05 16 00-0007 | EA | 1-1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 378.22 | 146.38 |
| | | *For 300 Lb. Rating, Add* | *21.37* | |
| 23 05 16 00-0008 | EA | 2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 434.16 | 172.25 |
| | | *For 300 Lb. Rating, Add* | *22.44* | |

### 23 05 16 00-0009 Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

| | | | | |
|---|---|---|---|---|
| 23 05 16 00-0010 | EA | 1-1/4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 578.96 | 94.36 |
| | | *For 300 Lb. Rating, Add* | *115.43* | |
| 23 05 16 00-0011 | EA | 1-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 633.82 | 113.24 |
| | | *For 300 Lb. Rating, Add* | *122.98* | |
| 23 05 16 00-0012 | EA | 2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 671.76 | 143.76 |
| | | *For 300 Lb. Rating, Add* | *123.00* | |
| 23 05 16 00-0013 | EA | 2-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 724.54 | 156.38 |
| | | *For 300 Lb. Rating, Add* | *132.12* | |
| 23 05 16 00-0014 | EA | 3" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 800.52 | 183.35 |
| | | *For 300 Lb. Rating, Add* | *142.77* | |
| 23 05 16 00-0015 | EA | 4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 1,001.16 | 307.37 |
| | | *For 300 Lb. Rating, Add* | *154.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 16 00-0016 | EA | 5" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 1,337.99 | 336.17 |
| | | *For 300 Lb. Rating, Add* | *229.61* | |
| 23 05 16 00-0017 | EA | 6" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 1,255.12 | 373.52 |
| | | *For 300 Lb. Rating, Add* | *196.64* | |
| 23 05 16 00-0018 | EA | 8" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 1,612.41 | 477.28 |
| | | *For 300 Lb. Rating, Add* | *254.88* | |
| 23 05 16 00-0019 | EA | 10" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 2,045.08 | 581.03 |
| | | *For 300 Lb. Rating, Add* | *329.70* | |
| 23 05 16 00-0020 | EA | 12" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 2,670.22 | 440.13 |
| | | *For 300 Lb. Rating, Add* | *447.20* | |
| 23 05 16 00-0021 | EA | 14" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 3,381.73 | 830.05 |
| | | *For 300 Lb. Rating, Add* | *586.05* | |
| 23 05 16 00-0022 | EA | 16" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 4,327.93 | 913.04 |
| | | *For 300 Lb. Rating, Add* | *796.66* | |

### 23 05 16 00-0023 Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

| | | | | |
|---|---|---|---|---|
| 23 05 16 00-0024 | EA | 1-1/4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 629.61 | 129.42 |
| | | *For 300 Lb. Rating, Add* | *92.72* | |
| 23 05 16 00-0025 | EA | 1-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 656.12 | 130.49 |
| | | *For 300 Lb. Rating, Add* | *98.78* | |
| 23 05 16 00-0026 | EA | 2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 665.07 | 134.81 |
| | | *For 300 Lb. Rating, Add* | *98.80* | |
| 23 05 16 00-0027 | EA | 2-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 718.81 | 147.00 |
| | | *For 300 Lb. Rating, Add* | *106.12* | |
| 23 05 16 00-0028 | EA | 3" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 805.72 | 172.88 |
| | | *For 300 Lb. Rating, Add* | *114.90* | |
| 23 05 16 00-0029 | EA | 4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 1,182.56 | 344.26 |
| | | *For 300 Lb. Rating, Add* | *123.69* | |
| 23 05 16 00-0030 | EA | 5" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 1,438.71 | 351.42 |
| | | *For 300 Lb. Rating, Add* | *184.42* | |
| 23 05 16 00-0031 | EA | 6" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 1,409.36 | 389.08 |
| | | *For 300 Lb. Rating, Add* | *157.94* | |
| 23 05 16 00-0032 | EA | 8" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 1,706.75 | 444.59 |
| | | *For 300 Lb. Rating, Add* | *204.72* | |
| 23 05 16 00-0033 | EA | 10" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 2,146.50 | 544.71 |
| | | *For 300 Lb. Rating, Add* | *264.81* | |
| 23 05 16 00-0034 | EA | 12" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 2,757.29 | 660.30 |
| | | *For 300 Lb. Rating, Add* | *359.19* | |
| 23 05 16 00-0035 | EA | 14" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 3,300.70 | 672.34 |
| | | *For 300 Lb. Rating, Add* | *488.93* | |
| 23 05 16 00-0036 | EA | 16" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint | 4,339.79 | 840.41 |
| | | *For 300 Lb. Rating, Add* | *664.64* | |

### 23 05 16 00-0037 Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints *(23 05 16)*

### 23 05 16 00-0038 Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints *(23 05 16 00-0037)*

| | | | | |
|---|---|---|---|---|
| 23 05 16 00-0039 | EA | 2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 825.52 | 143.76 |
| 23 05 16 00-0040 | EA | 2-1/2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 889.69 | 156.38 |
| 23 05 16 00-0041 | EA | 3" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 978.98 | 183.35 |
| 23 05 16 00-0042 | EA | 4" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 1,193.66 | 307.37 |
| 23 05 16 00-0043 | EA | 5" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 1,625.00 | 336.17 |
| 23 05 16 00-0044 | EA | 6" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 1,500.93 | 373.52 |
| 23 05 16 00-0045 | EA | 8" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 1,931.02 | 477.28 |
| 23 05 16 00-0046 | EA | 10" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 2,457.22 | 581.03 |
| 23 05 16 00-0047 | EA | 12" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 3,229.25 | 440.65 |
| 23 05 16 00-0048 | EA | 14" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 4,114.31 | 830.05 |
| 23 05 16 00-0049 | EA | 16" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 5,323.78 | 913.04 |
| 23 05 16 00-0050 | EA | 18" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 6,962.67 | 1,012.65 |
| 23 05 16 00-0051 | EA | 20" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 8,112.63 | 1,141.31 |
| 23 05 16 00-0052 | EA | 24" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 9,336.70 | 1,400.70 |
| 23 05 16 00-0053 | EA | 30" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 12,148.16 | 2,282.61 |
| 23 05 16 00-0054 | EA | 36" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint | 15,557.89 | 3,043.49 |

### 23 05 16 00-0055 Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joints *(23 05 16)*

### 23 05 16 00-0056 Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joints *(23 05 16 00-0055)*

| | | | | |
|---|---|---|---|---|
| 23 05 16 00-0057 | EA | 2" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 1,096.70 | 143.76 |
| 23 05 16 00-0058 | EA | 2-1/2" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 1,180.96 | 156.38 |
| 23 05 16 00-0059 | EA | 3" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 1,293.73 | 183.35 |
| 23 05 16 00-0060 | EA | 4" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 1,533.17 | 307.37 |
| 23 05 16 00-0061 | EA | 5" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 2,131.20 | 336.17 |
| 23 05 16 00-0062 | EA | 6" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 1,934.45 | 373.52 |
| 23 05 16 00-0063 | EA | 8" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 2,492.94 | 477.28 |
| 23 05 16 00-0064 | EA | 10" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 3,184.10 | 581.03 |
| 23 05 16 00-0065 | EA | 12" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 4,215.18 | 440.65 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 16 00-0066 | EA | 14" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 5,406.34 | 830.05 |
| 23 05 16 00-0067 | EA | 16" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 7,080.13 | 913.04 |
| 23 05 16 00-0068 | EA | 18" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 9,354.97 | 1,012.65 |
| 23 05 16 00-0069 | EA | 20" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 10,920.29 | 1,141.31 |
| 23 05 16 00-0070 | EA | 24" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 12,522.23 | 1,400.70 |
| 23 05 16 00-0071 | EA | 30" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 16,051.38 | 2,282.61 |
| 23 05 16 00-0072 | EA | 36" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint | 20,493.58 | 3,043.49 |
| 23 05 16 00-0073 | | Neoprene Bellows Type Expansion Joints *(23 05 16)* | | |
| 23 05 16 00-0074 | | Flanged, 150 Lb., Neoprene Bellows Type Expansion Joints *(23 05 16 00-0073)* | | |
| | | Note: Cast iron ends. | | |
| 23 05 16 00-0075 | EA | 2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 1,284.46 | 143.76 |
| 23 05 16 00-0076 | EA | 2-1/2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 1,362.16 | 156.38 |
| 23 05 16 00-0077 | EA | 3" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 1,410.89 | 183.35 |
| 23 05 16 00-0078 | EA | 4" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 1,704.70 | 307.37 |
| 23 05 16 00-0079 | EA | 5" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 2,030.61 | 336.17 |
| 23 05 16 00-0080 | EA | 6" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 2,105.18 | 373.52 |
| 23 05 16 00-0081 | EA | 8" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 2,536.36 | 477.28 |
| 23 05 16 00-0082 | EA | 10" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 2,823.18 | 581.03 |
| 23 05 16 00-0083 | EA | 12" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 3,131.75 | 440.44 |
| 23 05 16 00-0084 | EA | 14" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 4,029.47 | 830.05 |
| 23 05 16 00-0085 | EA | 16" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 5,207.26 | 913.04 |
| 23 05 16 00-0086 | EA | 18" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 6,789.36 | 1,012.65 |
| 23 05 16 00-0087 | EA | 20" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 7,947.50 | 1,141.31 |
| 23 05 16 00-0088 | EA | 24" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 9,141.18 | 1,400.70 |
| 23 05 16 00-0089 | EA | 30" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 11,880.20 | 2,282.61 |
| 23 05 16 00-0090 | EA | 36" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint | 15,235.04 | 3,043.49 |
| 23 05 16 00-0091 | | Tube And Cover Expansion Joints *(23 05 16)* | | |
| | | Note: Carbon steel split backup rings. | | |
| 23 05 16 00-0092 | | Flanged, 150 Lb., Tube And Cover Expansion Joints *(23 05 16 00-0091)* | | |
| 23 05 16 00-0093 | | Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joints *(23 05 16 00-0092)* | | |
| 23 05 16 00-0094 | EA | 1" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 461.59 | 80.89 |
| 23 05 16 00-0095 | EA | 1-1/4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 441.04 | 94.36 |
| 23 05 16 00-0096 | EA | 1-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 525.67 | 113.24 |
| 23 05 16 00-0097 | EA | 2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 611.49 | 143.76 |
| 23 05 16 00-0098 | EA | 2-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 687.78 | 156.38 |
| 23 05 16 00-0099 | EA | 3" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 776.83 | 199.08 |
| 23 05 16 00-0100 | EA | 4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 1,029.86 | 333.74 |
| 23 05 16 00-0101 | EA | 5" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 1,145.13 | 379.41 |
| 23 05 16 00-0102 | EA | 6" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 1,272.09 | 373.52 |
| 23 05 16 00-0103 | EA | 8" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 1,646.06 | 424.59 |
| 23 05 16 00-0104 | EA | 10" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 2,441.25 | 581.03 |
| 23 05 16 00-0105 | EA | 12" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 3,087.02 | 705.54 |
| 23 05 16 00-0106 | EA | 14" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 3,460.10 | 830.05 |
| 23 05 16 00-0107 | EA | 16" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 3,863.68 | 913.04 |
| 23 05 16 00-0108 | EA | 18" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 4,204.05 | 1,012.65 |
| 23 05 16 00-0109 | EA | 20" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 5,048.47 | 1,141.31 |
| 23 05 16 00-0110 | EA | 24" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 6,128.24 | 1,400.70 |
| 23 05 16 00-0111 | EA | 30" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 8,777.72 | 2,282.61 |
| 23 05 16 00-0112 | EA | 36" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) | 10,544.31 | 3,043.49 |
| 23 05 16 00-0113 | | Flanged, 150 Lb., Rubber Tube And Cover Expansion Joints *(23 05 16 00-0092)* | | |
| 23 05 16 00-0114 | EA | 1" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 437.60 | 80.89 |
| 23 05 16 00-0115 | EA | 1-1/4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 417.05 | 94.36 |
| 23 05 16 00-0116 | EA | 1-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 501.68 | 113.24 |
| 23 05 16 00-0117 | EA | 2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 587.51 | 143.76 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 16 00-0118 | EA | 2-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 663.80 | 156.38 |
| 23 05 16 00-0119 | EA | 3" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 752.85 | 199.08 |
| 23 05 16 00-0120 | EA | 4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 993.88 | 333.74 |
| 23 05 16 00-0121 | EA | 5" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 1,109.15 | 379.41 |
| 23 05 16 00-0122 | EA | 6" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 1,236.11 | 373.52 |
| 23 05 16 00-0123 | EA | 8" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 1,648.26 | 477.28 |
| 23 05 16 00-0124 | EA | 10" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 2,309.33 | 581.03 |
| 23 05 16 00-0125 | EA | 12" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 2,967.09 | 705.54 |
| 23 05 16 00-0126 | EA | 14" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 3,328.17 | 830.05 |
| 23 05 16 00-0127 | EA | 16" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 3,731.75 | 913.04 |
| 23 05 16 00-0128 | EA | 18" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 4,060.13 | 1,012.65 |
| 23 05 16 00-0129 | EA | 20" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 4,880.57 | 1,141.31 |
| 23 05 16 00-0130 | EA | 24" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 5,924.36 | 1,400.70 |
| 23 05 16 00-0131 | EA | 30" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 8,190.08 | 2,282.61 |
| 23 05 16 00-0132 | EA | 36" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451) | 10,208.52 | 3,043.49 |
| **23 05 16 00-0133** | | **Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joints** *(23 05 16 00-0092)* | | |
| 23 05 16 00-0134 | EA | 2" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451) | 599.50 | 143.76 |
| 23 05 16 00-0135 | EA | 3" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451) | 743.85 | 199.08 |
| 23 05 16 00-0136 | EA | 4" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451) | 981.89 | 333.74 |
| 23 05 16 00-0137 | EA | 6" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451) | 1,134.17 | 373.52 |
| 23 05 16 00-0138 | EA | 8" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451) | 1,408.40 | 477.28 |
| 23 05 16 00-0139 | EA | 10" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451) | 1,745.67 | 581.03 |
| 23 05 16 00-0140 | EA | 12" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451) | 2,085.62 | 705.54 |
| **23 05 16 00-0141** | | **Flanged, Tube And Cover Expansion Joints (Mercer 501)** *(23 05 16 00-0091)* | | |
| **23 05 16 00-0142** | | **Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joints (501EE)** *(23 05 16 00-0141)* | | |
| 23 05 16 00-0143 | EA | 1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 885.45 | 113.24 |
| 23 05 16 00-0144 | EA | 2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 983.27 | 143.76 |
| 23 05 16 00-0145 | EA | 2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 1,023.58 | 156.38 |
| 23 05 16 00-0146 | EA | 3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 1,160.60 | 199.08 |
| 23 05 16 00-0147 | EA | 4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 1,473.60 | 333.74 |
| 23 05 16 00-0148 | EA | 5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 1,624.84 | 379.41 |
| 23 05 16 00-0149 | EA | 6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 1,727.81 | 373.52 |
| 23 05 16 00-0150 | EA | 8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 2,307.86 | 477.28 |
| 23 05 16 00-0151 | EA | 10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 2,849.01 | 581.03 |
| 23 05 16 00-0152 | EA | 12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 3,290.89 | 705.54 |
| 23 05 16 00-0153 | EA | 14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 3,771.91 | 830.05 |
| 23 05 16 00-0154 | EA | 16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 4,115.52 | 913.04 |
| 23 05 16 00-0155 | EA | 18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 4,503.87 | 1,012.65 |
| 23 05 16 00-0156 | EA | 20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 5,288.32 | 1,141.31 |
| 23 05 16 00-0157 | EA | 24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 6,488.03 | 1,400.70 |
| 23 05 16 00-0158 | EA | 30" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 9,365.37 | 2,282.61 |
| 23 05 16 00-0159 | EA | 36" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 11,623.67 | 3,043.49 |
| 23 05 16 00-0160 | EA | 42" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 15,204.84 | 4,565.23 |
| 23 05 16 00-0161 | EA | 48" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 18,034.64 | 5,706.54 |
| 23 05 16 00-0162 | EA | 60" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) | 24,051.50 | 8,217.41 |
| **23 05 16 00-0163** | | **Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 501RR)** *(23 05 16 00-0141)* | | |
| 23 05 16 00-0164 | EA | 1-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 837.48 | 113.24 |
| 23 05 16 00-0165 | EA | 2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 923.30 | 143.76 |
| 23 05 16 00-0166 | EA | 2-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 963.62 | 156.38 |
| 23 05 16 00-0167 | EA | 3" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 1,088.65 | 199.08 |
| 23 05 16 00-0168 | EA | 4" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 1,389.65 | 333.74 |
| 23 05 16 00-0169 | EA | 5" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 1,540.89 | 379.41 |
| 23 05 16 00-0170 | EA | 6" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 1,631.87 | 373.52 |
| 23 05 16 00-0171 | EA | 8" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 2,175.94 | 477.28 |
| 23 05 16 00-0172 | EA | 10" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 2,693.10 | 581.03 |
| 23 05 16 00-0173 | EA | 12" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 3,111.00 | 705.54 |
| 23 05 16 00-0174 | EA | 14" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 3,568.03 | 830.05 |
| 23 05 16 00-0175 | EA | 16" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 3,899.65 | 913.04 |
| 23 05 16 00-0176 | EA | 18" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 4,252.02 | 1,012.65 |
| 23 05 16 00-0177 | EA | 20" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 5,000.49 | 1,141.31 |
| 23 05 16 00-0178 | EA | 24" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 6,140.23 | 1,400.70 |
| 23 05 16 00-0179 | EA | 30" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 8,873.67 | 2,282.61 |
| 23 05 16 00-0180 | EA | 36" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) | 11,036.02 | 3,043.49 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 16 00-0181 | | **Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)** *(23 05 16 00-0141)* | | |
| | | Note: 501BB, 501NN or 501NiNi. | | |
| 23 05 16 00-0182 | EA | 1-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 885.45 | 113.24 |
| 23 05 16 00-0183 | EA | 2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 995.26 | 143.76 |
| 23 05 16 00-0184 | EA | 2-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 1,023.58 | 156.38 |
| 23 05 16 00-0185 | EA | 3" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 1,160.60 | 199.08 |
| 23 05 16 00-0186 | EA | 4" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 1,473.60 | 333.74 |
| 23 05 16 00-0187 | EA | 5" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 1,624.84 | 379.41 |
| 23 05 16 00-0188 | EA | 6" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 1,739.81 | 373.52 |
| 23 05 16 00-0189 | EA | 8" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 2,307.86 | 477.28 |
| 23 05 16 00-0190 | EA | 10" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 2,849.01 | 581.03 |
| 23 05 16 00-0191 | EA | 12" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 3,290.89 | 705.54 |
| 23 05 16 00-0192 | EA | 14" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 3,771.91 | 830.05 |
| 23 05 16 00-0193 | EA | 16" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 4,115.52 | 913.04 |
| 23 05 16 00-0194 | EA | 18" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 4,503.87 | 1,012.65 |
| 23 05 16 00-0195 | EA | 20" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 5,288.32 | 1,141.31 |
| 23 05 16 00-0196 | EA | 24" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 6,488.03 | 1,400.70 |
| 23 05 16 00-0197 | EA | 30" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 9,365.37 | 2,282.61 |
| 23 05 16 00-0198 | EA | 36" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) | 11,623.67 | 3,043.49 |
| 23 05 16 00-0199 | | **Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joints (Mercer 501NNFA)** *(23 05 16 00-0141)* | | |
| 23 05 16 00-0200 | EA | 1-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 921.43 | 113.24 |
| 23 05 16 00-0201 | EA | 2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 1,019.25 | 143.76 |
| 23 05 16 00-0202 | EA | 2-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 1,059.56 | 156.38 |
| 23 05 16 00-0203 | EA | 3" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 1,208.57 | 199.08 |
| 23 05 16 00-0204 | EA | 4" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 1,533.56 | 333.74 |
| 23 05 16 00-0205 | EA | 5" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 1,684.80 | 379.41 |
| 23 05 16 00-0206 | EA | 6" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 1,799.77 | 373.52 |
| 23 05 16 00-0207 | EA | 8" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 2,391.81 | 477.28 |
| 23 05 16 00-0208 | EA | 10" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 2,956.94 | 581.03 |
| 23 05 16 00-0209 | EA | 12" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 3,422.81 | 705.54 |
| 23 05 16 00-0210 | EA | 14" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 3,903.83 | 830.05 |
| 23 05 16 00-0211 | EA | 16" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 4,271.43 | 913.04 |
| 23 05 16 00-0212 | EA | 18" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 4,659.77 | 1,012.65 |
| 23 05 16 00-0213 | EA | 20" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 5,480.21 | 1,141.31 |
| 23 05 16 00-0214 | EA | 24" x 10" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA) | 6,739.87 | 1,400.70 |
| 23 05 16 00-0215 | | **Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)** *(23 05 16 00-0141)* | | |
| | | Note: Kevlar reinforcement for high temperature. | | |
| 23 05 16 00-0216 | EA | 1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 1,149.30 | 113.24 |
| 23 05 16 00-0217 | EA | 2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 1,211.13 | 143.76 |
| 23 05 16 00-0218 | EA | 2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 1,311.41 | 156.38 |
| 23 05 16 00-0219 | EA | 3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 1,412.45 | 199.08 |
| 23 05 16 00-0220 | EA | 4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 1,941.32 | 333.74 |
| 23 05 16 00-0221 | EA | 5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 2,116.54 | 379.41 |
| 23 05 16 00-0222 | EA | 6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 2,183.54 | 373.52 |
| 23 05 16 00-0223 | EA | 8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 2,583.69 | 477.28 |
| 23 05 16 00-0224 | EA | 10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 3,064.88 | 581.03 |
| 23 05 16 00-0225 | EA | 12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 3,710.64 | 705.54 |
| 23 05 16 00-0226 | EA | 14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 4,383.54 | 830.05 |
| 23 05 16 00-0227 | EA | 16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 5,110.93 | 913.04 |
| 23 05 16 00-0228 | EA | 18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 5,679.16 | 1,012.65 |
| 23 05 16 00-0229 | EA | 20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 6,703.47 | 1,141.31 |
| 23 05 16 00-0230 | EA | 24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) | 8,742.67 | 1,400.70 |
| 23 05 16 00-0231 | | **Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 800)** *(23 05 16 00-0091)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 05 16 00-0232** | | **2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)** *(23 05 16 00-0231)* | | |
| 23 05 16 00-0233 | EA | 1" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) | 533.55 | 80.89 |
| 23 05 16 00-0234 | EA | 1-1/2" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) | 605.38 | 86.82 |
| 23 05 16 00-0235 | EA | 2" x 1-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) | 815.37 | 89.84 |
| 23 05 16 00-0236 | EA | 2-1/2" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) | 1,047.77 | 98.14 |
| 23 05 16 00-0237 | EA | 3" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) | 1,421.04 | 194.86 |
| 23 05 16 00-0238 | EA | 4" x 2-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) | 1,914.48 | 249.66 |
| 23 05 16 00-0239 | EA | 5" x 3-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) | 2,331.49 | 272.26 |
| 23 05 16 00-0240 | EA | 6" x 2-3/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) | 2,593.53 | 259.38 |
| 23 05 16 00-0241 | EA | 8" x 4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) | 3,579.10 | 296.43 |
| 23 05 16 00-0242 | EA | 10" x 5-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) | 4,638.77 | 352.56 |
| 23 05 16 00-0243 | EA | 12" x 6" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) | 6,435.59 | 441.48 |
| **23 05 16 00-0244** | | **3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)** *(23 05 16 00-0231)* | | |
| 23 05 16 00-0245 | EA | 1" x 1-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) | 593.51 | 80.89 |
| 23 05 16 00-0246 | EA | 1-1/2" x 2" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) | 665.31 | 86.82 |
| 23 05 16 00-0247 | EA | 2" x 2-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) | 911.31 | 89.84 |
| 23 05 16 00-0248 | EA | 2-1/2" x 3-1/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) | 1,179.69 | 98.14 |
| 23 05 16 00-0249 | EA | 3" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) | 1,564.95 | 194.86 |
| 23 05 16 00-0250 | EA | 4" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) | 2,130.35 | 249.66 |
| 23 05 16 00-0251 | EA | 5" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) | 2,595.33 | 272.26 |
| 23 05 16 00-0252 | EA | 6" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) | 2,917.34 | 259.38 |
| 23 05 16 00-0253 | EA | 8" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) | 4,022.83 | 296.43 |
| 23 05 16 00-0254 | EA | 10" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) | 5,226.42 | 352.56 |
| 23 05 16 00-0255 | EA | 12" x 7" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) | 7,263.09 | 441.48 |
| **23 05 16 00-0256** | | **5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)** *(23 05 16 00-0231)* | | |
| 23 05 16 00-0257 | EA | 1" x 3" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) | 653.47 | 80.89 |
| 23 05 16 00-0258 | EA | 1-1/2" x 3-1/2" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) | 833.24 | 86.82 |
| 23 05 16 00-0259 | EA | 2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) | 1,067.22 | 89.84 |
| 23 05 16 00-0260 | EA | 2-1/2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) | 1,419.55 | 98.14 |
| 23 05 16 00-0261 | EA | 3" x 5" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) | 1,900.75 | 194.86 |
| 23 05 16 00-0262 | EA | 4" x 5-1/4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) | 2,454.16 | 249.66 |
| 23 05 16 00-0263 | EA | 5" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) | 3,230.95 | 272.26 |
| 23 05 16 00-0264 | EA | 6" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) | 3,457.02 | 259.38 |
| 23 05 16 00-0265 | EA | 8" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) | 5,234.10 | 296.43 |
| 23 05 16 00-0266 | EA | 10" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) | 6,965.37 | 352.56 |
| 23 05 16 00-0267 | EA | 12" x 9" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) | 8,714.22 | 441.48 |
| **23 05 16 00-0268** | | **Mercer Rubber, Series 450** *(23 05 16 00-0091)* | | |
| **23 05 16 00-0269** | | **Expansion Joints, 2 Arch (452)** *(23 05 16 00-0268)* | | |
| 23 05 16 00-0270 | EA | 1-1/2" x 12" Expansion Joints, 2 Arch | 656.35 | 86.82 |
| 23 05 16 00-0271 | EA | 2" x 12" Expansion Joints, 2 Arch | 734.42 | 89.84 |
| 23 05 16 00-0272 | EA | 2-1/2" x 12" Expansion Joints, 2 Arch | 813.91 | 98.14 |
| 23 05 16 00-0273 | EA | 3" x 12" Expansion Joints, 2 Arch | 1,088.24 | 194.86 |
| 23 05 16 00-0274 | EA | 4" x 12" Expansion Joints, 2 Arch | 1,245.88 | 249.66 |
| 23 05 16 00-0275 | EA | 6" x 12" Expansion Joints, 2 Arch | 1,388.26 | 259.38 |
| 23 05 16 00-0276 | EA | 8" x 12" Expansion Joints, 2 Arch | 1,558.31 | 296.43 |
| 23 05 16 00-0277 | EA | 10" x 14" Expansion Joints, 2 Arch | 2,102.29 | 352.56 |
| 23 05 16 00-0278 | EA | 12" x 14" Expansion Joints, 2 Arch | 2,472.61 | 441.79 |
| 23 05 16 00-0279 | EA | 14" x 14" Expansion Joints, 2 Arch | 2,889.79 | 448.02 |
| 23 05 16 00-0280 | EA | 16" x 14" Expansion Joints, 2 Arch | 3,485.95 | 558.72 |
| 23 05 16 00-0281 | EA | 18" x 14" Expansion Joints, 2 Arch | 3,891.38 | 633.95 |
| 23 05 16 00-0282 | EA | 20" x 14" Expansion Joints, 2 Arch | 4,410.10 | 713.42 |
| 23 05 16 00-0283 | EA | 24" x 16" Expansion Joints, 2 Arch | 5,274.66 | 875.91 |
| **23 05 16 00-0284** | | **Mercer Rubber, Series 502 And 701** *(23 05 16 00-0091)* | | |
| **23 05 16 00-0285** | | **2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)** *(23 05 16 00-0284)* | | |
| | | Note: Baked enamel, coated ductile iron backup rings. | | |
| 23 05 16 00-0286 | EA | 1-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 1,053.35 | 113.52 |
| 23 05 16 00-0287 | EA | 2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 1,115.19 | 143.80 |
| 23 05 16 00-0288 | EA | 2-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 1,191.48 | 156.87 |
| 23 05 16 00-0289 | EA | 3" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 1,268.54 | 199.33 |
| 23 05 16 00-0290 | EA | 4" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 1,617.51 | 334.58 |
| 23 05 16 00-0291 | EA | 5" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 1,912.67 | 378.82 |
| 23 05 16 00-0292 | EA | 6" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 1,979.66 | 374.86 |
| 23 05 16 00-0293 | EA | 8" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 2,355.83 | 477.28 |
| 23 05 16 00-0294 | EA | 10" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 2,765.06 | 581.03 |
| 23 05 16 00-0295 | EA | 12" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 3,221.52 | 441.48 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 16 00-0296 | EA | 14" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 3,975.79 | 830.05 |
| 23 05 16 00-0297 | EA | 16" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 4,631.21 | 913.04 |
| 23 05 16 00-0298 | EA | 18" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 5,127.49 | 1,012.65 |
| 23 05 16 00-0299 | EA | 20" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 5,816.00 | 1,141.31 |
| 23 05 16 00-0300 | EA | 24" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 6,931.76 | 1,400.70 |
| 23 05 16 00-0301 | EA | 30" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 10,216.86 | 2,282.61 |
| 23 05 16 00-0302 | EA | 36" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 12,798.96 | 3,043.49 |
| 23 05 16 00-0303 | EA | 42" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 17,051.73 | 4,565.23 |
| 23 05 16 00-0304 | EA | 48" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 20,133.38 | 5,706.54 |
| 23 05 16 00-0305 | EA | 60" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) | 27,301.55 | 8,217.41 |

### 23 05 16 00-0306 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) *(23 05 16 00-0284)*

Note: Butyl 502B, Neoprene 502N. Baked enamel, coated ductile iron backup rings.

| | | | | |
|---|---|---|---|---|
| 23 05 16 00-0307 | EA | 1-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 1,149.30 | 113.52 |
| 23 05 16 00-0308 | EA | 2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 1,211.13 | 143.80 |
| 23 05 16 00-0309 | EA | 2-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 1,299.42 | 156.87 |
| 23 05 16 00-0310 | EA | 3" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 1,376.47 | 199.33 |
| 23 05 16 00-0311 | EA | 4" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 1,713.45 | 334.58 |
| 23 05 16 00-0312 | EA | 5" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 2,056.58 | 378.82 |
| 23 05 16 00-0313 | EA | 6" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 2,099.59 | 374.86 |
| 23 05 16 00-0314 | EA | 8" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 2,535.72 | 477.28 |
| 23 05 16 00-0315 | EA | 10" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 2,956.94 | 581.03 |
| 23 05 16 00-0316 | EA | 12" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 3,425.39 | 441.48 |
| 23 05 16 00-0317 | EA | 14" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 4,251.62 | 830.05 |
| 23 05 16 00-0318 | EA | 16" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 4,955.02 | 913.04 |
| 23 05 16 00-0319 | EA | 18" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 5,487.28 | 1,012.65 |
| 23 05 16 00-0320 | EA | 20" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 6,223.76 | 1,141.31 |
| 23 05 16 00-0321 | EA | 24" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 7,411.47 | 1,400.70 |
| 23 05 16 00-0322 | EA | 30" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 10,924.43 | 2,282.61 |
| 23 05 16 00-0323 | EA | 36" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 13,638.46 | 3,043.49 |
| 23 05 16 00-0324 | EA | 42" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 18,131.08 | 4,565.23 |
| 23 05 16 00-0325 | EA | 48" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 21,380.63 | 5,706.54 |
| 23 05 16 00-0326 | EA | 60" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) | 29,004.52 | 8,217.41 |

### 23 05 16 00-0327 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joints (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) *(23 05 16 00-0284)*

Note: Nitrile 502Ni, Nitrile/Neoprene 502NiN, Ethylene Propylene Diene Monomer (EPDM) 502E, Neoprene/Natural 502NR or Natural/Neoprene 502RN. Baked enamel, coated ductile iron backup rings.

| | | | | |
|---|---|---|---|---|
| 23 05 16 00-0328 | EA | 1-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 1,185.27 | 113.52 |
| 23 05 16 00-0329 | EA | 2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 1,283.09 | 143.80 |
| 23 05 16 00-0330 | EA | 2-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 1,359.38 | 156.87 |
| 23 05 16 00-0331 | EA | 3" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 1,448.43 | 199.33 |
| 23 05 16 00-0332 | EA | 4" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 1,809.39 | 334.58 |
| 23 05 16 00-0333 | EA | 5" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 2,128.54 | 378.82 |
| 23 05 16 00-0334 | EA | 6" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 2,219.52 | 374.86 |
| 23 05 16 00-0335 | EA | 8" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 2,631.67 | 477.28 |
| 23 05 16 00-0336 | EA | 10" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 3,076.87 | 581.03 |
| 23 05 16 00-0337 | EA | 12" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 3,569.31 | 441.48 |
| 23 05 16 00-0338 | EA | 14" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 4,395.53 | 830.05 |
| 23 05 16 00-0339 | EA | 16" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 5,146.91 | 913.04 |
| 23 05 16 00-0340 | EA | 18" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 5,703.15 | 1,012.65 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 16 00-0341 | EA | 20" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 6,511.59 | 1,141.31 |
| 23 05 16 00-0342 | EA | 24" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 7,675.31 | 1,400.70 |
| 23 05 16 00-0343 | EA | 30" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 10,960.41 | 2,282.61 |
| 23 05 16 00-0344 | EA | 36" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 14,118.17 | 3,043.49 |
| 23 05 16 00-0345 | EA | 42" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 18,802.68 | 4,565.23 |
| 23 05 16 00-0346 | EA | 48" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 22,124.18 | 5,706.54 |
| 23 05 16 00-0347 | EA | 60" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) | 30,011.92 | 8,217.41 |
| 23 05 16 00-0348 | | **2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joints (Mercer 502H, 502HN Or 502NH)** *(23 05 16 00-0284)* Note: Hypalon 502H, Hypalon/Neoprene 502HN Or Neoprene/Hypalon 502NH. Baked enamel, coated ductile iron backup rings. | | |
| 23 05 16 00-0349 | EA | 1-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 1,245.24 | 113.52 |
| 23 05 16 00-0350 | EA | 2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 1,307.07 | 143.80 |
| 23 05 16 00-0351 | EA | 2-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 1,395.36 | 156.87 |
| 23 05 16 00-0352 | EA | 3" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 1,508.39 | 199.33 |
| 23 05 16 00-0353 | EA | 4" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 1,857.37 | 334.58 |
| 23 05 16 00-0354 | EA | 5" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 2,224.48 | 378.82 |
| 23 05 16 00-0355 | EA | 6" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 2,315.46 | 374.86 |
| 23 05 16 00-0356 | EA | 8" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 2,727.61 | 477.28 |
| 23 05 16 00-0357 | EA | 10" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 3,196.80 | 581.03 |
| 23 05 16 00-0358 | EA | 12" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 3,737.21 | 441.48 |
| 23 05 16 00-0359 | EA | 14" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 4,563.43 | 830.05 |
| 23 05 16 00-0360 | EA | 16" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 5,362.78 | 913.04 |
| 23 05 16 00-0361 | EA | 18" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 5,943.00 | 1,012.65 |
| 23 05 16 00-0362 | EA | 20" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 6,775.43 | 1,141.31 |
| 23 05 16 00-0363 | EA | 24" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 7,951.15 | 1,400.70 |
| 23 05 16 00-0364 | EA | 30" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 11,751.94 | 2,282.61 |
| 23 05 16 00-0365 | EA | 36" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 14,693.82 | 3,043.49 |
| 23 05 16 00-0366 | EA | 42" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 19,474.27 | 4,565.23 |
| 23 05 16 00-0367 | EA | 48" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 22,699.83 | 5,706.54 |
| 23 05 16 00-0368 | EA | 60" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH) | 30,779.46 | 8,217.41 |
| 23 05 16 00-0369 | | **2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)** *(23 05 16 00-0284)* Note: Baked enamel, coated ductile iron backup rings. | | |
| 23 05 16 00-0370 | EA | 1-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 1,557.05 | 113.52 |
| 23 05 16 00-0371 | EA | 2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 1,690.84 | 143.80 |
| 23 05 16 00-0372 | EA | 2-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 1,803.12 | 156.87 |
| 23 05 16 00-0373 | EA | 3" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 2,395.86 | 199.33 |
| 23 05 16 00-0374 | EA | 4" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 3,128.60 | 334.58 |
| 23 05 16 00-0375 | EA | 5" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 3,831.51 | 378.82 |
| 23 05 16 00-0376 | EA | 6" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 4,162.35 | 374.86 |
| 23 05 16 00-0377 | EA | 8" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 5,366.02 | 477.28 |
| 23 05 16 00-0378 | EA | 10" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 7,106.45 | 581.03 |
| 23 05 16 00-0379 | EA | 12" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 8,126.57 | 441.48 |
| 23 05 16 00-0380 | EA | 14" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 9,348.56 | 830.05 |
| 23 05 16 00-0381 | EA | 16" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 11,455.12 | 913.04 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 16 00-0382 | EA | 18" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 12,706.94 | 1,012.65 |
| 23 05 16 00-0383 | EA | 20" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 14,930.53 | 1,141.31 |
| 23 05 16 00-0384 | EA | 24" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 19,596.16 | 1,400.70 |
| 23 05 16 00-0385 | EA | 30" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 32,835.28 | 2,282.61 |
| 23 05 16 00-0386 | EA | 36" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 41,221.90 | 3,043.49 |
| 23 05 16 00-0387 | EA | 42" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 53,917.60 | 4,565.23 |
| 23 05 16 00-0388 | EA | 48" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 63,019.63 | 5,706.54 |
| 23 05 16 00-0389 | EA | 60" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) | 83,427.85 | 8,217.41 |

## 23 05 16 00-0390 Teflon Lined Expansion Joints (Mercer 701) *(23 05 16 00-0284)*

Note: Natural rubber, neoprene, butyl, ethylene propylene diene monomer (EPDM) Or nitrile. Includes baked enamel coated ductile iron backer rings. Series 701.

| | | | | |
|---|---|---|---|---|
| 23 05 16 00-0391 | EA | 1-1/2" Teflon Lined Expansion Joint (Mercer 701) | 1,031.10 | 86.82 |
| | | *For Hypalon Tube And Cover, Add* | *17.15* | |
| | | *For Viton Tube And Cover, Add* | *857.49* | |
| 23 05 16 00-0392 | EA | 2" Teflon Lined Expansion Joint (Mercer 701) | 1,205.13 | 89.84 |
| | | *For Hypalon Tube And Cover, Add* | *20.51* | |
| | | *For Viton Tube And Cover, Add* | *1,025.38* | |
| 23 05 16 00-0393 | EA | 2-1/2" Teflon Lined Expansion Joint (Mercer 701) | 1,374.53 | 98.14 |
| | | *For Hypalon Tube And Cover, Add* | *23.57* | |
| | | *For Viton Tube And Cover, Add* | *1,178.29* | |
| 23 05 16 00-0394 | EA | 3" Teflon Lined Expansion Joint (Mercer 701) | 1,697.04 | 194.86 |
| | | *For Hypalon Tube And Cover, Add* | *26.14* | |
| | | *For Viton Tube And Cover, Add* | *1,307.22* | |
| 23 05 16 00-0395 | EA | 4" Teflon Lined Expansion Joint (Mercer 701) | 2,082.63 | 249.78 |
| | | *For Hypalon Tube And Cover, Add* | *31.66* | |
| | | *For Viton Tube And Cover, Add* | *1,583.05* | |
| 23 05 16 00-0396 | EA | 5" Teflon Lined Expansion Joint (Mercer 701) | 2,478.00 | 272.03 |
| | | *For Hypalon Tube And Cover, Add* | *38.68* | |
| | | *For Viton Tube And Cover, Add* | *1,933.84* | |
| 23 05 16 00-0397 | EA | 6" Teflon Lined Expansion Joint (Mercer 701) | 2,611.52 | 259.38 |
| | | *For Hypalon Tube And Cover, Add* | *41.85* | |
| | | *For Viton Tube And Cover, Add* | *2,092.74* | |
| 23 05 16 00-0398 | EA | 8" Teflon Lined Expansion Joint (Mercer 701) | 3,134.88 | 296.22 |
| | | *For Hypalon Tube And Cover, Add* | *50.85* | |
| | | *For Viton Tube And Cover, Add* | *2,542.47* | |
| 23 05 16 00-0399 | EA | 10" Teflon Lined Expansion Joint (Mercer 701) | 3,952.18 | 352.56 |
| | | *For Hypalon Tube And Cover, Add* | *64.94* | |
| | | *For Viton Tube And Cover, Add* | *3,247.05* | |
| 23 05 16 00-0400 | EA | 12" Teflon Lined Expansion Joint (Mercer 701) | 5,054.06 | 441.79 |
| | | *For Hypalon Tube And Cover, Add* | *83.41* | |
| | | *For Viton Tube And Cover, Add* | *4,170.50* | |
| 23 05 16 00-0401 | EA | 14" Teflon Lined Expansion Joint (Mercer 701) | 5,681.78 | 448.33 |
| | | *For Hypalon Tube And Cover, Add* | *95.70* | |
| | | *For Viton Tube And Cover, Add* | *4,785.13* | |
| 23 05 16 00-0402 | EA | 16" Teflon Lined Expansion Joint (Mercer 701) | 7,053.81 | 558.72 |
| | | *For Hypalon Tube And Cover, Add* | *118.73* | |
| | | *For Viton Tube And Cover, Add* | *5,936.44* | |
| 23 05 16 00-0403 | EA | 18" Teflon Lined Expansion Joint (Mercer 701) | 7,856.78 | 634.88 |
| | | *For Hypalon Tube And Cover, Add* | *131.74* | |
| | | *For Viton Tube And Cover, Add* | *6,587.05* | |
| 23 05 16 00-0404 | EA | 20" Teflon Lined Expansion Joint (Mercer 701) | 9,198.43 | 712.07 |
| | | *For Hypalon Tube And Cover, Add* | *155.49* | |
| | | *For Viton Tube And Cover, Add* | *7,774.33* | |
| 23 05 16 00-0405 | EA | 24" Teflon Lined Expansion Joint (Mercer 701) | 12,026.14 | 877.15 |
| | | *For Hypalon Tube And Cover, Add* | *205.44* | |
| | | *For Viton Tube And Cover, Add* | *10,271.83* | |

## 23 05 16 00-0406 Accessories For Mercer Rubber, Series 451 And 501 *(23 05 16 00-0091)*

## 23 05 16 00-0407 Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints *(23 05 16 00-0406)*

| | | | |
|---|---|---|---|
| 23 05 16 00-0408 | EA | 1-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 45.57 |
| 23 05 16 00-0409 | EA | 2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 57.57 |
| 23 05 16 00-0410 | EA | 2-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 64.76 |
| 23 05 16 00-0411 | EA | 3" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 69.56 |
| 23 05 16 00-0412 | EA | 4" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 103.14 |
| 23 05 16 00-0413 | EA | 5" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 127.12 |
| 23 05 16 00-0414 | EA | 6" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 139.12 |
| 23 05 16 00-0415 | EA | 8" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 153.51 |
| 23 05 16 00-0416 | EA | 10" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 196.68 |
| 23 05 16 00-0417 | EA | 12" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 232.66 |
| 23 05 16 00-0418 | EA | 14" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 311.81 |
| 23 05 16 00-0419 | EA | 16" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 335.80 |
| 23 05 16 00-0420 | EA | 18" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 359.78 |
| 23 05 16 00-0421 | EA | 20" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 395.76 |
| 23 05 16 00-0422 | EA | 24" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 491.70 |
| 23 05 16 00-0423 | EA | 30" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 611.63 |
| 23 05 16 00-0424 | EA | 36" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 743.55 |
| 23 05 16 00-0425 | EA | 42" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 1,055.37 |
| 23 05 16 00-0426 | EA | 48" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints | 1,259.24 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 16 00-0427 | | Control Rods For Mercer 451 And 501 Expansion Joints *(23 05 16 00-0406)* | | |
| 23 05 16 00-0428 | SET | 1-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2 | 173.27 | |
| 23 05 16 00-0429 | SET | 2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2 | 219.14 | |
| 23 05 16 00-0430 | SET | 2-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2 | 254.81 | |
| 23 05 16 00-0431 | SET | 3" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2 | 305.77 | |
| 23 05 16 00-0432 | SET | 4" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2 | 305.77 | |
| 23 05 16 00-0433 | SET | 5" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2 | 331.26 | |
| 23 05 16 00-0434 | SET | 6" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2 | 382.22 | |
| 23 05 16 00-0435 | SET | 8" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2 | 560.59 | |
| 23 05 16 00-0436 | SET | 10" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3 | 1,095.69 | |
| 23 05 16 00-0437 | SET | 12" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3 | 1,503.39 | |
| 23 05 16 00-0438 | SET | 14" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4 | 2,242.35 | |
| 23 05 16 00-0439 | SET | 16" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4 | 2,522.64 | |
| 23 05 16 00-0440 | SET | 18" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5 | 3,363.52 | |
| 23 05 16 00-0441 | SET | 20" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5 | 3,592.85 | |
| 23 05 16 00-0442 | SET | 24" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5 | 4,051.51 | |
| 23 05 16 00-0443 | SET | 30" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5 | 5,937.12 | |
| 23 05 16 00-0444 | SET | 36" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5 | 8,740.05 | |
| 23 05 16 00-0445 | SET | 42" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3 | 5,911.64 | |
| 23 05 16 00-0446 | SET | 48" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4 | 7,771.77 | |
| 23 05 16 00-0447 | SET | 60" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4 | 12,129.05 | |

## 23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001 Wall Seals And Sleeves *(23 05 17)*

Note: Up to 12" walls. Excludes drilling hole.

23 05 17 00-0002 Ductile Iron Wall Sleeve *(23 05 17 00-0001)*

Note: Includes rubber gasket seal.

| | | | | |
|---|---|---|---|---|
| 23 05 17 00-0003 | EA | 3" Ductile Iron Wall Sleeve With Rubber Gasket Seal | 172.10 | 51.31 |
| 23 05 17 00-0004 | EA | 4" Ductile Iron Wall Sleeve With Rubber Gasket Seal | 225.43 | 59.93 |
| 23 05 17 00-0005 | EA | 6" Ductile Iron Wall Sleeve With Rubber Gasket Seal | 280.72 | 71.90 |
| 23 05 17 00-0006 | EA | 8" Ductile Iron Wall Sleeve With Rubber Gasket Seal | 376.80 | 107.79 |
| 23 05 17 00-0007 | EA | 10" Ductile Iron Wall Sleeve With Rubber Gasket Seal | 465.28 | 143.68 |
| 23 05 17 00-0008 | EA | 12" Ductile Iron Wall Sleeve With Rubber Gasket Seal | 564.21 | 179.69 |

23 05 17 00-0009 Steel Pipe Sleeves *(23 05 17 00-0001)*

Note: Includes link seals 12" length.

| | | | | |
|---|---|---|---|---|
| 23 05 17 00-0010 | EA | 2" Steel Pipe Sleeve With Link Seals | 154.20 | 52.18 |
| 23 05 17 00-0011 | EA | 2-1/2" Steel Pipe Sleeve With Link Seals | 194.45 | 56.57 |
| 23 05 17 00-0012 | EA | 3" Steel Pipe Sleeve With Link Seals | 232.35 | 60.95 |
| 23 05 17 00-0013 | EA | 4" Steel Pipe Sleeve With Link Seals | 289.57 | 73.12 |
| 23 05 17 00-0014 | EA | 6" Steel Pipe Sleeve With Link Seals | 427.83 | 91.31 |
| 23 05 17 00-0015 | EA | 10" Steel Pipe Sleeve With Link Seals | 900.44 | 109.62 |
| 23 05 17 00-0016 | EA | 13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals | 1,074.22 | 137.02 |
| 23 05 17 00-0017 | EA | 17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals | 1,460.28 | 168.59 |
| 23 05 17 00-0018 | EA | 23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals | 2,043.96 | 219.24 |
| 23 05 17 00-0019 | EA | 29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals | 2,988.27 | 274.05 |

23 05 17 00-0020 Stainless Steel Modular Seals (LINK-SEAL® Model S) *(23 05 17 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 05 17 00-0021 | EA | 2" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 351.74 | |
| 23 05 17 00-0022 | EA | 2-1/2" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 443.04 | |
| 23 05 17 00-0023 | EA | 3" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 493.08 | |
| 23 05 17 00-0024 | EA | 4" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 558.46 | |
| 23 05 17 00-0025 | EA | 6" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 635.90 | |
| 23 05 17 00-0026 | EA | 8" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 698.00 | |
| 23 05 17 00-0027 | EA | 10" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 838.24 | |
| 23 05 17 00-0028 | EA | 12" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 953.66 | |
| 23 05 17 00-0029 | EA | 14" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 1,033.30 | |
| 23 05 17 00-0030 | EA | 16" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 1,184.50 | |
| 23 05 17 00-0031 | EA | 18" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 1,299.92 | |
| 23 05 17 00-0032 | EA | 20" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 1,426.30 | |
| 23 05 17 00-0033 | EA | 24" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S) | 1,676.48 | |

## 23 05 19 Meters and Gages for HVAC Piping *(23 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers *(23 05 19)*

23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

| | | | | |
|---|---|---|---|---|
| 23 05 19 00-0003 | EA | 2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer | 113.40 | 37.47 |
| 23 05 19 00-0004 | EA | 2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer | 132.64 | 37.47 |
| 23 05 19 00-0005 | EA | 3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer | 132.64 | 37.47 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 19 00-0006 | | **Liquid Filled Industrial Union Connection Type Thermometers** *(23 05 19 00-0001)* Note: Various ranges. | | |
| 23 05 19 00-0007 | EA | 7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer | 151.88 | 37.47 |
| 23 05 19 00-0008 | EA | 9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer | 151.88 | 37.47 |
| 23 05 19 00-0009 | EA | 12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer | 192.10 | 37.47 |
| 23 05 19 00-0010 | EA | 7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer | 157.13 | 37.47 |
| 23 05 19 00-0011 | EA | 9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer | 165.87 | 37.47 |
| 23 05 19 00-0012 | EA | 12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer | 197.35 | 37.47 |
| 23 05 19 00-0013 | | **Liquid Filled Industrial Separable Socket Type Thermometers** *(23 05 19 00-0001)* Note: Various ranges. Socket connection for thermowell. | | |
| 23 05 19 00-0014 | EA | 7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer | 151.88 | 37.47 |
| 23 05 19 00-0015 | EA | 9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer | 151.88 | 37.47 |
| 23 05 19 00-0016 | EA | 12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer | 192.10 | 37.47 |
| 23 05 19 00-0017 | EA | 7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer | 174.61 | 37.47 |
| 23 05 19 00-0018 | EA | 9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer | 192.10 | 37.47 |
| 23 05 19 00-0019 | EA | 12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer | 196.56 | 37.47 |
| 23 05 19 00-0020 | | **1" NPT, 304 Stainless Steel Thermowells** *(23 05 19 00-0001)* | | |
| 23 05 19 00-0021 | EA | 4" Long, 1" NPT, 304 Stainless Steel Thermowell | 191.95 | 70.26 |
| 23 05 19 00-0022 | EA | 8" Long, 1" NPT, 304 Stainless Steel Thermowell | 191.86 | 70.26 |
| 23 05 19 00-0023 | | **Pressure Gauges** *(23 05 19)* | | |
| 23 05 19 00-0024 | | **Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)* | | |
| 23 05 19 00-0025 | EA | 2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge | 40.47 | 14.63 |
| 23 05 19 00-0026 | EA | 4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge | 50.79 | 14.63 |
| 23 05 19 00-0027 | | **Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)* | | |
| 23 05 19 00-0028 | EA | 3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge | 317.87 | 14.63 |
| 23 05 19 00-0029 | EA | 4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge | 317.87 | 14.63 |
| 23 05 19 00-0030 | EA | 6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge | 415.88 | 14.63 |
| 23 05 19 00-0031 | EA | 8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge | 993.07 | 14.63 |
| 23 05 19 00-0032 | | **Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)* Note: Liquid filled. | | |
| 23 05 19 00-0033 | EA | 2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge | 150.27 | 14.63 |
| 23 05 19 00-0034 | EA | 4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge | 343.75 | 14.63 |
| 23 05 19 00-0035 | | **Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges** *(23 05 19 00-0023)* | | |
| 23 05 19 00-0036 | EA | 4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge | 342.33 | 14.63 |
| 23 05 19 00-0037 | EA | 6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge | 342.33 | 14.63 |
| 23 05 19 00-0038 | EA | 8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge | 342.33 | 14.63 |
| 23 05 19 00-0039 | | **Gauge Accessories** *(23 05 19 00-0023)* | | |
| 23 05 19 00-0040 | EA | Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer) | 97.03 | 11.71 |
| 23 05 19 00-0041 | EA | 1/4" Snubber Valve | 58.31 | 11.71 |
| 23 05 19 00-0042 | EA | 1/4" Female Pipe Thread, Brass Gauge Cock | 36.44 | 17.57 |
| 23 05 19 00-0043 | EA | 1/4" Male Pipe Thread, Brass Gauge Cock | 31.04 | 17.57 |
| 23 05 19 00-0044 | EA | 1/4" Pressure Pigtail Steam Siphon | 40.92 | 17.57 |
| 23 05 19 00-0045 | EA | 1/4" x 3" Long Black Steel Nipple | 7.97 | 5.85 |
| 23 05 19 00-0046 | EA | 1/4" Steel Thread-O-Let | 67.39 | 29.28 |
| 23 05 19 00-0047 | EA | 1/4", 300 Lb., Black Steel Union | 64.54 | 11.71 |
| 23 05 19 00-0048 | EA | 1/4" Black Steel Coupling | 24.94 | 11.71 |
| 23 05 19 00-0049 | EA | 1/4", 300 Lb., Black Steel Plug | 14.40 | 7.03 |
| 23 05 19 00-0050 | EA | 1/4", 150 Lb., Black Steel Cap | 14.91 | 7.03 |
| 23 05 19 00-0051 | LF | 1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe | 10.03 | 3.87 |
| 23 05 19 00-0052 | LF | 1/4" Schedule 80, Plain End, Black Steel Pipe | 9.51 | 3.87 |
| 23 05 19 00-0053 | LF | 1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe | 9.37 | |
| 23 05 19 00-0054 | EA | 1/4" Threaded, 800 Lb., Forged Steel, Ball Valve | 119.32 | |
| 23 05 19 00-0055 | | **Valve Lock Covers** *(23 05 19)* | | |
| 23 05 19 00-0056 | EA | Valve Lock Cover | 90.00 | 17.92 |
| 23 05 19 00-0057 | | **Sight Flow Indicator** *(23 05 19)* | | |
| 23 05 19 00-0058 | | **Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0057)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 19 00-0059 | EA | 1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) | 176.77 | 17.05 |
| 23 05 19 00-0060 | EA | 3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) | 184.60 | 17.94 |
| 23 05 19 00-0061 | EA | 1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) | 199.79 | 18.85 |
| 23 05 19 00-0062 | EA | 3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) | 222.59 | 25.40 |
| 23 05 19 00-0063 | EA | 1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) | 265.96 | 30.79 |
| 23 05 19 00-0064 | EA | 1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) | 300.52 | 38.98 |
| 23 05 19 00-0065 | EA | 1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) | 428.60 | 45.06 |
| 23 05 19 00-0066 | EA | 2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100) | 473.99 | 53.26 |
| **23 05 19 00-0067** | | **Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0057)* | | |
| 23 05 19 00-0068 | EA | 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) | 231.18 | 17.05 |
| 23 05 19 00-0069 | EA | 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) | 237.80 | 17.94 |
| 23 05 19 00-0070 | EA | 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) | 256.62 | 18.85 |
| 23 05 19 00-0071 | EA | 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) | 270.96 | 25.40 |
| 23 05 19 00-0072 | EA | 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) | 286.51 | 30.79 |
| 23 05 19 00-0073 | EA | 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) | 308.99 | 38.98 |
| 23 05 19 00-0074 | EA | 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) | 593.05 | 45.06 |
| 23 05 19 00-0075 | EA | 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300) | 633.60 | 53.26 |
| **23 05 19 00-0076** | | **Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator** *(23 05 19 00-0057)* | | |
| 23 05 19 00-0077 | EA | 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) | 336.38 | 17.05 |
| 23 05 19 00-0078 | EA | 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) | 355.09 | 17.94 |
| 23 05 19 00-0079 | EA | 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) | 386.00 | 18.85 |
| 23 05 19 00-0080 | EA | 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) | 418.47 | 25.40 |
| 23 05 19 00-0081 | EA | 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) | 479.98 | 30.79 |
| 23 05 19 00-0082 | EA | 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) | 506.08 | 38.98 |
| 23 05 19 00-0083 | EA | 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) | 1,028.34 | 45.06 |
| 23 05 19 00-0084 | EA | 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS) | 1,080.98 | 53.26 |
| **23 05 19 00-0085** | | **Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators** *(23 05 19 00-0057)* | | |
| 23 05 19 00-0086 | EA | 1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) | 227.55 | 17.05 |
| 23 05 19 00-0087 | EA | 3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) | 236.59 | 17.94 |
| 23 05 19 00-0088 | EA | 1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) | 250.57 | 18.85 |
| 23 05 19 00-0089 | EA | 3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) | 269.75 | 25.40 |
| 23 05 19 00-0090 | EA | 1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) | 285.30 | 30.79 |
| 23 05 19 00-0091 | EA | 1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) | 308.99 | 38.98 |
| 23 05 19 00-0092 | EA | 1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) | 585.79 | 45.06 |
| 23 05 19 00-0093 | EA | 2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360) | 623.93 | 53.26 |
| **23 05 19 00-0094** | | **Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0057)* | | |
| 23 05 19 00-0095 | EA | 1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) | 333.96 | 17.05 |
| 23 05 19 00-0096 | EA | 3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) | 359.92 | 17.94 |
| 23 05 19 00-0097 | EA | 1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) | 393.25 | 18.85 |
| 23 05 19 00-0098 | EA | 3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) | 418.47 | 25.40 |
| 23 05 19 00-0099 | EA | 1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) | 479.98 | 30.79 |
| 23 05 19 00-0100 | EA | 1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) | 510.92 | 38.98 |
| 23 05 19 00-0101 | EA | 1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) | 1,028.34 | 45.06 |
| 23 05 19 00-0102 | EA | 2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) | 1,080.98 | 53.26 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 05 19 00-0103** | | **Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators** *(23 05 19 00-0057)* | | |
| 23 05 19 00-0104 | EA | 1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) | 489.65 | 30.79 |
| 23 05 19 00-0105 | EA | 1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) | 549.61 | 38.98 |
| 23 05 19 00-0106 | EA | 1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) | 624.48 | 45.06 |
| 23 05 19 00-0107 | EA | 2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) | 701.31 | 53.26 |
| **23 05 19 00-0108** | | **Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators** *(23 05 19 00-0057)* | | |
| 23 05 19 00-0109 | EA | 1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) | 1,076.00 | 122.91 |
| 23 05 19 00-0110 | EA | 2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) | 1,199.29 | 156.04 |
| 23 05 19 00-0111 | EA | 3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) | 1,772.82 | 183.25 |
| 23 05 19 00-0112 | EA | 4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) | 2,670.87 | 307.20 |
| 23 05 19 00-0113 | EA | 6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) | 4,351.45 | 380.02 |
| **23 05 19 00-0114** | | **Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0057)* | | |
| 23 05 19 00-0115 | EA | 1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) | 826.25 | 87.79 |
| 23 05 19 00-0116 | EA | 1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) | 976.05 | 102.42 |
| 23 05 19 00-0117 | EA | 1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) | 1,051.21 | 122.91 |
| 23 05 19 00-0118 | EA | 2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) | 1,317.18 | 156.04 |
| 23 05 19 00-0119 | EA | 3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) | 1,917.31 | 183.25 |
| 23 05 19 00-0120 | EA | 4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) | 2,827.45 | 307.20 |
| **23 05 19 00-0121** | | **Venturi Flowmeters** *(23 05 19)* | | |
| **23 05 19 00-0122** | | **Threaded, Brass, Venturi Flowmeters** *(23 05 19 00-0121)* | | |
| 23 05 19 00-0123 | EA | 3/4" Threaded, Brass, Venturi Flowmeter | 324.31 | 79.63 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| 23 05 19 00-0124 | EA | 1" Threaded, Brass, Venturi Flowmeter | 357.35 | 95.55 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| 23 05 19 00-0125 | EA | 1-1/4" Threaded, Brass, Venturi Flowmeter | 394.05 | 106.21 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| 23 05 19 00-0126 | EA | 1-1/2" Threaded, Brass, Venturi Flowmeter | 444.16 | 119.45 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| 23 05 19 00-0127 | EA | 2" Threaded, Brass, Venturi Flowmeter | 529.36 | 136.54 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| 23 05 19 00-0128 | EA | 2-1/2" Threaded, Brass, Venturi Flowmeter | 725.36 | 190.90 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| **23 05 19 00-0129** | | **Butt Weld, Carbon Steel, Venturi Flowmeters** *(23 05 19 00-0121)* | | |
| 23 05 19 00-0130 | EA | 3" Butt Weld, Carbon Steel, Venturi Flowmeter | 1,865.28 | 164.43 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| | | *For Flanged Ends, Add* | *537.75* | |
| 23 05 19 00-0131 | EA | 4" Butt Weld, Carbon Steel, Venturi Flowmeter | 2,596.84 | 197.32 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| | | *For Flanged Ends, Add* | *770.77* | |
| 23 05 19 00-0132 | EA | 5" Butt Weld, Carbon Steel, Venturi Flowmeter | 3,412.49 | 246.64 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| | | *For Flanged Ends, Add* | *1,021.72* | |
| 23 05 19 00-0133 | EA | 6" Butt Weld, Carbon Steel, Venturi Flowmeter | 4,037.85 | 328.86 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| | | *For Flanged Ends, Add* | *1,183.05* | |
| 23 05 19 00-0134 | EA | 8" Butt Weld, Carbon Steel, Venturi Flowmeter | 5,961.88 | 394.63 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| | | *For Flanged Ends, Add* | *1,810.42* | |
| 23 05 19 00-0135 | EA | 10" Butt Weld, Carbon Steel, Venturi Flowmeter | 9,846.61 | 493.29 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| | | *For Flanged Ends, Add* | *3,101.01* | |
| 23 05 19 00-0136 | EA | 12" Butt Weld, Carbon Steel, Venturi Flowmeter | 14,835.36 | 708.64 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| | | *For Flanged Ends, Add* | *4,696.33* | |
| 23 05 19 00-0137 | EA | 14" Butt Weld, Carbon Steel, Venturi Flowmeter | 20,767.85 | 1,062.97 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| | | *For Flanged Ends, Add* | *6,524.67* | |
| 23 05 19 00-0138 | EA | 16" Butt Weld, Carbon Steel, Venturi Flowmeter | 31,298.08 | 1,181.07 |
| | | *For Portable Venturi Flow Meter, Add* | *995.00* | |
| | | *For Flanged Ends, Add* | *10,127.58* | |
| **23 05 19 00-0139** | | **Turbine Flowmeter** *(23 05 19)* | | |
| 23 05 19 00-0140 | EA | Saddle Mount Turbine Flowmeter | 1,337.04 | 87.83 |
| **23 05 19 00-0141** | | **Water Flow Switches** *(23 05 19)* | | |
| 23 05 19 00-0142 | EA | Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1) | 300.10 | 34.51 |
| 23 05 19 00-0143 | EA | Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1) | 311.16 | 34.51 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 19 00-0144 | EA | Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1) | 404.55 | 34.51 |
| 23 05 19 00-0145 | EA | Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1) | 418.69 | 34.51 |
| 23 05 19 00-0146 | EA | Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1) | 325.30 | 34.51 |
| 23 05 19 00-0147 | EA | Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1) | 338.19 | 34.51 |
| 23 05 19 00-0148 | EA | Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1) | 429.75 | 34.51 |
| 23 05 19 00-0149 | EA | Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1) | 442.65 | 34.51 |
| 23 05 19 00-0150 | EA | Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1) | 857.96 | 34.51 |
| 23 05 19 00-0151 | EA | Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1) | 870.45 | 34.51 |
| 23 05 19 00-0152 | EA | Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1) | 989.17 | 34.51 |
| 23 05 19 00-0153 | EA | Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1) | 1,006.36 | 34.51 |
| 23 05 19 00-0154 | EA | Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1) | 887.64 | 34.51 |
| 23 05 19 00-0155 | EA | Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1) | 904.82 | 34.51 |
| 23 05 19 00-0156 | EA | Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1) | 1,018.85 | 34.51 |
| 23 05 19 00-0157 | EA | Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1) | 1,037.60 | 34.51 |

### 23 05 19 00-0158 Magnetic Flow Meter *(23 05 19)*

| | | | | |
|---|---|---|---|---|
| 23 05 19 00-0159 | EA | 6" Magnetic Flow Meter, Flanged, Stainless Steel, NEMA 4X Housing (FOXBORO 9306A-SIBA-PSJ-GM and IMT25-SEATB11M-AB)<br>Note: Includes flow tube, transmitter, and 100' signal cable (R0101ZS) | 25,759.25 | |

### 23 05 19 00-0160 Sight Glass *(23 05 19)*

### 23 05 19 00-0161 In-Line, 316L Stainless Steel Body, Sight Glass With Clamp *(23 05 19 00-0160)*

| | | | | |
|---|---|---|---|---|
| 23 05 19 00-0162 | EA | 1" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R100) | 552.34 | 30.79 |
| 23 05 19 00-0163 | EA | 1-1/2" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R150) | 642.01 | 45.06 |
| 23 05 19 00-0164 | EA | 2" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R200) | 691.27 | 53.26 |
| 23 05 19 00-0165 | EA | 2-1/2" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R250) | 875.55 | 63.44 |
| 23 05 19 00-0166 | EA | 3" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R250) | 1,313.19 | 65.21 |
| 23 05 19 00-0167 | EA | 4" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R400) | 1,594.05 | 96.21 |

## 23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additonal valves, 23 21 13 23-0713 for bolt and gasket sets.

### 23 05 23 00-0001 Gate Valves *(23 05 23)*

### 23 05 23 00-0002 Class 125 Threaded, Bronze Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0003 | EA | 1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve | 67.60 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *3.35* | |
| | | *For 200 Lb. Rating, Add* | *5.03* | |
| | | *For 250 Lb. Rating, Add* | *8.38* | |
| | | *For 300 Lb. Rating, Add* | *11.73* | |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 23 05 23 00-0004 | EA | 3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve | 69.38 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *3.35* | |
| | | *For 200 Lb. Rating, Add* | *5.03* | |
| | | *For 250 Lb. Rating, Add* | *8.38* | |
| | | *For 300 Lb. Rating, Add* | *11.73* | |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 23 05 23 00-0005 | EA | 1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve | 71.27 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *3.35* | |
| | | *For 200 Lb. Rating, Add* | *5.03* | |
| | | *For 250 Lb. Rating, Add* | *8.38* | |
| | | *For 300 Lb. Rating, Add* | *11.73* | |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 23 05 23 00-0006 | EA | 3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve | 90.87 | 12.88 |
| | | *For 150 Lb. Rating, Add* | *4.00* | |
| | | *For 200 Lb. Rating, Add* | *6.00* | |
| | | *For 250 Lb. Rating, Add* | *10.00* | |
| | | *For 300 Lb. Rating, Add* | *13.99* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 23 05 23 00-0007 | EA | 1" Diameter, 125 Lb., Threaded Bronze Gate Valve | 122.00 | 14.63 |
| | | *For 150 Lb. Rating, Add* | *6.04* | |
| | | *For 200 Lb. Rating, Add* | *9.06* | |
| | | *For 250 Lb. Rating, Add* | *15.10* | |
| | | *For 300 Lb. Rating, Add* | *21.14* | |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-0008 | EA | 1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve | 159.47 | 15.57 |
| | | *For 150 Lb. Rating, Add* | *8.14* | |
| | | *For 200 Lb. Rating, Add* | *12.21* | |
| | | *For 250 Lb. Rating, Add* | *20.36* | |
| | | *For 300 Lb. Rating, Add* | *28.50* | |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 05 23 00-0009 | EA | 1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve | 192.65 | 18.02 |
| | | *For 150 Lb. Rating, Add* | *10.26* | |
| | | *For 200 Lb. Rating, Add* | *15.39* | |
| | | *For 250 Lb. Rating, Add* | *25.65* | |
| | | *For 300 Lb. Rating, Add* | *35.91* | |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0010 | EA | 2" Diameter, 125 Lb., Threaded Bronze Gate Valve | 246.61 | 21.30 |
| | | *For 150 Lb. Rating, Add* | *14.02* | |
| | | *For 200 Lb. Rating, Add* | *21.03* | |
| | | *For 250 Lb. Rating, Add* | *35.05* | |
| | | *For 300 Lb. Rating, Add* | *49.07* | |
| | | *For Work In Restricted Working Space, Add* | *31.92* | |
| 23 05 23 00-0011 | EA | 2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve | 543.58 | 28.78 |
| | | *For Chain Operated Type, Add* | *179.94* | |
| | | *For 150 Lb. Rating, Add* | *39.99* | |
| | | *For 200 Lb. Rating, Add* | *59.98* | |
| | | *For 250 Lb. Rating, Add* | *99.97* | |
| | | *For 300 Lb. Rating, Add* | *139.95* | |
| | | *For Work In Restricted Working Space, Add* | *43.12* | |
| 23 05 23 00-0012 | EA | 3" Diameter, 125 Lb., Threaded Bronze Gate Valve | 643.81 | 33.41 |
| | | *For Chain Operated Type, Add* | *215.09* | |
| | | *For 150 Lb. Rating, Add* | *47.80* | |
| | | *For 200 Lb. Rating, Add* | *71.70* | |
| | | *For 250 Lb. Rating, Add* | *119.50* | |
| | | *For 300 Lb. Rating, Add* | *167.29* | |
| | | *For Work In Restricted Working Space, Add* | *49.75* | |
| 23 05 23 00-0013 | EA | 4" Diameter, 125 Lb., Threaded Bronze Gate Valve | 1,327.31 | 37.72 |
| | | *For Chain Operated Type, Add* | *512.41* | |
| | | *For 150 Lb. Rating, Add* | *113.87* | |
| | | *For 200 Lb. Rating, Add* | *170.80* | |
| | | *For 250 Lb. Rating, Add* | *284.67* | |
| | | *For 300 Lb. Rating, Add* | *398.54* | |
| | | *For Work In Restricted Working Space, Add* | *56.59* | |

## 23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0015 | EA | 1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve | 287.95 | 18.02 |
| | | *For 150 Lb. Rating, Add* | *39.58* | |
| | | *For 250 Lb. Rating, Add* | *69.27* | |
| | | *For Chain Operated Type, Add* | *69.27* | |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 23 05 23 00-0016 | EA | 2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve | 440.83 | 21.30 |
| | | *For 150 Lb. Rating, Add* | *66.88* | |
| | | *For 250 Lb. Rating, Add* | *117.05* | |
| | | *For Chain Operated Type, Add* | *117.05* | |
| | | *For Work In Restricted Working Space, Add* | *31.92* | |
| 23 05 23 00-0017 | EA | 2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve | 646.69 | 28.78 |
| | | *For 150 Lb. Rating, Add* | *100.59* | |
| | | *For 250 Lb. Rating, Add* | *176.04* | |
| | | *For Chain Operated Type, Add* | *176.04* | |
| | | *For Work In Restricted Working Space, Add* | *43.12* | |
| 23 05 23 00-0018 | EA | 3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve | 825.75 | 33.41 |
| | | *For 150 Lb. Rating, Add* | *131.98* | |
| | | *For 250 Lb. Rating, Add* | *230.97* | |
| | | *For Chain Operated Type, Add* | *230.97* | |
| | | *For Work In Restricted Working Space, Add* | *49.75* | |
| 23 05 23 00-0019 | EA | 4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve | 1,965.07 | 37.72 |
| | | *For 150 Lb. Rating, Add* | *355.29* | |
| | | *For 250 Lb. Rating, Add* | *621.75* | |
| | | *For Chain Operated Type, Add* | *621.75* | |
| | | *For Work In Restricted Working Space, Add* | *56.59* | |

## 23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0021 | EA | 1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 761.97 | 122.91 |
| | | *For 150 Lb. Rating, Add* | *176.31* | |
| | | *For 250 Lb. Rating, Add* | *303.98* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *684.96* | |
| | | *For Chain Operated Type, Add* | *303.98* | |
| | | *For Work In Restricted Working Space, Add* | *46.21* | |
| 23 05 23 00-0022 | EA | 2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 830.91 | 156.04 |
| | | *For 150 Lb. Rating, Add* | *184.39* | |
| | | *For 250 Lb. Rating, Add* | *317.91* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *733.37* | |
| | | *For Chain Operated Type, Add* | *317.91* | |
| | | *For Work In Restricted Working Space, Add* | *58.53* | |
| 23 05 23 00-0023 | EA | 2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 958.84 | 156.29 |
| | | *For 150 Lb. Rating, Add* | *221.23* | |
| | | *For 250 Lb. Rating, Add* | *381.43* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *860.85* | |
| | | *For Chain Operated Type, Add* | *381.43* | |
| | | *For Work In Restricted Working Space, Add* | *58.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0024 | EA | 3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 1,182.87 | 183.25 |
| | | *For 150 Lb. Rating, Add* | *276.52* | |
| | | *For 250 Lb. Rating, Add* | *476.77* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *1,068.20* | |
| | | *For Chain Operated Type, Add* | *476.77* | |
| | | *For Work In Restricted Working Space, Add* | *68.80* | |
| 23 05 23 00-0025 | EA | 4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 1,656.41 | 307.20 |
| | | *For 150 Lb. Rating, Add* | *368.72* | |
| | | *For 250 Lb. Rating, Add* | *635.72* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *1,463.93* | |
| | | *For Chain Operated Type, Add* | *635.72* | |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0026 | EA | 5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 2,079.58 | 342.01 |
| | | *For 150 Lb. Rating, Add* | *479.29* | |
| | | *For 250 Lb. Rating, Add* | *826.36* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *1,866.15* | |
| | | *For Chain Operated Type, Add* | *826.36* | |
| | | *For Work In Restricted Working Space, Add* | *128.06* | |
| 23 05 23 00-0027 | EA | 6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 2,510.62 | 380.02 |
| | | *For 150 Lb. Rating, Add* | *589.83* | |
| | | *For 250 Lb. Rating, Add* | *1,016.95* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *2,272.26* | |
| | | *For Chain Operated Type, Add* | *1,016.95* | |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0028 | EA | 8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 3,972.36 | 485.58 |
| | | *For 150 Lb. Rating, Add* | *977.06* | |
| | | *For 250 Lb. Rating, Add* | *1,684.58* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *3,670.76* | |
| | | *For Chain Operated Type, Add* | *1,684.58* | |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |
| 23 05 23 00-0029 | EA | 10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 5,188.45 | 591.14 |
| | | *For 150 Lb. Rating, Add* | *1,290.36* | |
| | | *For 250 Lb. Rating, Add* | *2,224.77* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *4,818.99* | |
| | | *For Chain Operated Type, Add* | *2,224.77* | |
| | | *For Work In Restricted Working Space, Add* | *221.68* | |
| 23 05 23 00-0030 | EA | 12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 7,252.45 | 717.80 |
| | | *For 150 Lb. Rating, Add* | *1,843.47* | |
| | | *For 250 Lb. Rating, Add* | *3,178.40* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *6,804.62* | |
| | | *For Chain Operated Type, Add* | *3,178.40* | |
| | | *For Work In Restricted Working Space, Add* | *268.70* | |

## 23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0032 | EA | 1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve | 575.17 | 18.02 |
| | | *For 175 Lb. Rating, Add* | *242.57* | |
| | | *For 250 Lb. Rating, Add* | *363.85* | |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 23 05 23 00-0033 | EA | 2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve | 733.56 | 21.30 |
| | | *For 175 Lb. Rating, Add* | *313.58* | |
| | | *For 250 Lb. Rating, Add* | *470.36* | |
| | | *For Work In Restricted Working Space, Add* | *31.92* | |
| 23 05 23 00-0034 | EA | 2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve | 850.91 | 28.78 |
| | | *For 175 Lb. Rating, Add* | *353.60* | |
| | | *For 250 Lb. Rating, Add* | *530.39* | |
| | | *For Work In Restricted Working Space, Add* | *43.12* | |
| 23 05 23 00-0035 | EA | 3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve | 946.14 | 33.41 |
| | | *For 175 Lb. Rating, Add* | *390.16* | |
| | | *For 250 Lb. Rating, Add* | *585.23* | |
| | | *For Work In Restricted Working Space, Add* | *49.75* | |
| 23 05 23 00-0036 | EA | 4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve | 1,266.13 | 37.72 |
| | | *For 175 Lb. Rating, Add* | *538.75* | |
| | | *For 250 Lb. Rating, Add* | *808.13* | |
| | | *For Work In Restricted Working Space, Add* | *56.59* | |

## 23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0038 | EA | 1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 1,030.42 | 122.91 |
| | | *For 150 Lb. Rating, Add* | *131.46* | |
| | | *For 175 Lb. Rating, Add* | *271.68* | |
| | | *For 250 Lb. Rating, Add* | *569.66* | |
| | | *For Chain Operated Type, Add* | *438.20* | |
| | | *For Work In Restricted Working Space, Add* | *46.21* | |
| 23 05 23 00-0039 | EA | 2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 1,097.53 | 156.04 |
| | | *For 150 Lb. Rating, Add* | *135.37* | |
| | | *For 175 Lb. Rating, Add* | *279.76* | |
| | | *For 250 Lb. Rating, Add* | *586.59* | |
| | | *For Chain Operated Type, Add* | *451.22* | |
| | | *For Work In Restricted Working Space, Add* | *58.53* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0040 | EA | 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 1,127.87 | 156.29 |
| | | *For 150 Lb. Rating, Add* | *139.78* | |
| | | *For 175 Lb. Rating, Add* | *288.89* | |
| | | *For 250 Lb. Rating, Add* | *605.73* | |
| | | *For Chain Operated Type, Add* | *465.95* | |
| | | *For Work In Restricted Working Space, Add* | *58.79* | |
| 23 05 23 00-0041 | EA | 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 1,254.67 | 183.25 |
| | | *For 150 Lb. Rating, Add* | *153.80* | |
| | | *For 175 Lb. Rating, Add* | *317.85* | |
| | | *For 250 Lb. Rating, Add* | *666.46* | |
| | | *For Chain Operated Type, Add* | *512.67* | |
| | | *For Work In Restricted Working Space, Add* | *68.80* | |
| 23 05 23 00-0042 | EA | 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 1,628.43 | 307.20 |
| | | *For 150 Lb. Rating, Add* | *186.52* | |
| | | *For 175 Lb. Rating, Add* | *385.47* | |
| | | *For 250 Lb. Rating, Add* | *808.25* | |
| | | *For Chain Operated Type, Add* | *621.73* | |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0043 | EA | 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 2,161.76 | 342.01 |
| | | *For 150 Lb. Rating, Add* | *260.24* | |
| | | *For 175 Lb. Rating, Add* | *537.82* | |
| | | *For 250 Lb. Rating, Add* | *1,127.69* | |
| | | *For Chain Operated Type, Add* | *867.45* | |
| | | *For Work In Restricted Working Space, Add* | *128.06* | |
| 23 05 23 00-0044 | EA | 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 2,458.05 | 380.02 |
| | | *For 150 Lb. Rating, Add* | *297.20* | |
| | | *For 175 Lb. Rating, Add* | *614.21* | |
| | | *For 250 Lb. Rating, Add* | *1,287.86* | |
| | | *For Chain Operated Type, Add* | *990.66* | |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0045 | EA | 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 3,954.15 | 485.58 |
| | | *For 150 Lb. Rating, Add* | *502.64* | |
| | | *For 175 Lb. Rating, Add* | *1,038.79* | |
| | | *For 250 Lb. Rating, Add* | *2,178.12* | |
| | | *For Chain Operated Type, Add* | *1,675.48* | |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |
| 23 05 23 00-0046 | EA | 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 5,896.03 | 591.14 |
| | | *For 150 Lb. Rating, Add* | *773.57* | |
| | | *For 175 Lb. Rating, Add* | *1,598.70* | |
| | | *For 250 Lb. Rating, Add* | *3,352.12* | |
| | | *For Chain Operated Type, Add* | *2,578.56* | |
| | | *For Work In Restricted Working Space, Add* | *221.68* | |
| 23 05 23 00-0047 | EA | 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 7,431.86 | 717.80 |
| | | *For 150 Lb. Rating, Add* | *980.43* | |
| | | *For 175 Lb. Rating, Add* | *2,026.22* | |
| | | *For 250 Lb. Rating, Add* | *4,248.53* | |
| | | *For Chain Operated Type, Add* | *3,268.10* | |
| | | *For Work In Restricted Working Space, Add* | *268.70* | |
| 23 05 23 00-0048 | EA | 14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 15,210.19 | 1,017.44 |
| | | *For 150 Lb. Rating, Add* | *2,090.76* | |
| | | *For 175 Lb. Rating, Add* | *4,320.90* | |
| | | *For 250 Lb. Rating, Add* | *9,059.95* | |
| | | *For Work In Restricted Working Space, Add* | *381.54* | |
| 23 05 23 00-0049 | EA | 16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 19,938.46 | 1,119.19 |
| | | *For 150 Lb. Rating, Add* | *2,780.92* | |
| | | *For 175 Lb. Rating, Add* | *5,747.24* | |
| | | *For 250 Lb. Rating, Add* | *12,050.66* | |
| | | *For Work In Restricted Working Space, Add* | *419.70* | |
| 23 05 23 00-0050 | EA | 18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 27,507.19 | 1,241.28 |
| | | *For 150 Lb. Rating, Add* | *3,893.34* | |
| | | *For 175 Lb. Rating, Add* | *8,046.23* | |
| | | *For 250 Lb. Rating, Add* | *16,871.13* | |
| | | *For Work In Restricted Working Space, Add* | *465.48* | |
| 23 05 23 00-0051 | EA | 20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 35,115.08 | 1,398.99 |
| | | *For 150 Lb. Rating, Add* | *5,004.95* | |
| | | *For 175 Lb. Rating, Add* | *10,343.57* | |
| | | *For 250 Lb. Rating, Add* | *21,688.13* | |
| | | *For Work In Restricted Working Space, Add* | *524.62* | |
| 23 05 23 00-0052 | EA | 24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 48,175.76 | 1,716.94 |
| | | *For 150 Lb. Rating, Add* | *6,904.44* | |
| | | *For 175 Lb. Rating, Add* | *14,269.18* | |
| | | *For 250 Lb. Rating, Add* | *29,919.24* | |
| | | *For Work In Restricted Working Space, Add* | *643.85* | |
| 23 05 23 00-0053 | EA | 30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 101,310.36 | 2,797.97 |
| | | *For 150 Lb. Rating, Add* | *14,671.94* | |
| | | *For 175 Lb. Rating, Add* | *30,322.00* | |
| | | *For 250 Lb. Rating, Add* | *63,578.39* | |
| | | *For Work In Restricted Working Space, Add* | *1,049.24* | |
| 23 05 23 00-0054 | EA | 36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 128,943.20 | 3,730.63 |
| | | *For 150 Lb. Rating, Add* | *18,641.99* | |
| | | *For 175 Lb. Rating, Add* | *38,526.78* | |
| | | *For 250 Lb. Rating, Add* | *80,781.95* | |
| | | *For Work In Restricted Working Space, Add* | *1,398.98* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 23 05 23 00-0055 | | EA | 42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 150,922.88 | 4,743.71 |
| | | | *For 150 Lb. Rating, Add* | *21,748.99* | |
| | | | *For 175 Lb. Rating, Add* | *44,947.90* | |
| | | | *For 250 Lb. Rating, Add* | *94,245.61* | |
| | | | *For Work In Restricted Working Space, Add* | *1,778.89* | |
| 23 05 23 00-0056 | | EA | 48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 181,301.65 | 5,929.64 |
| | | | *For 150 Lb. Rating, Add* | *26,083.44* | |
| | | | *For 175 Lb. Rating, Add* | *53,905.78* | |
| | | | *For 250 Lb. Rating, Add* | *113,028.24* | |
| | | | *For Work In Restricted Working Space, Add* | *2,223.62* | |
| 23 05 23 00-0057 | | EA | 54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve | 217,561.98 | 7,115.57 |
| | | | *For 150 Lb. Rating, Add* | *31,300.13* | |
| | | | *For 175 Lb. Rating, Add* | *64,686.93* | |
| | | | *For 250 Lb. Rating, Add* | *135,633.89* | |
| | | | *For Work In Restricted Working Space, Add* | *2,668.34* | |

## 23 05 23 00-0058 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 PSIG at 850 degrees F.

| | | | | | |
|---|---|---|---|---|---|
| 23 05 23 00-0059 | | EA | 1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve | 173.12 | 11.71 |
| | | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 23 05 23 00-0060 | | EA | 1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve | 176.79 | 11.71 |
| | | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 23 05 23 00-0061 | | EA | 3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve | 208.58 | 12.88 |
| | | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 23 05 23 00-0062 | | EA | 1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve | 253.21 | 14.63 |
| | | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-0063 | | EA | 1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve | 387.17 | 15.57 |
| | | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 05 23 00-0064 | | EA | 1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve | 457.97 | 18.02 |
| | | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 23 05 23 00-0065 | | EA | 2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve | 576.08 | 21.30 |
| | | | *For Work In Restricted Working Space, Add* | *31.92* | |

## 23 05 23 00-0066 Ball Valves *(23 05 23)*

See CSI section 23 23 13 00-0000 for refrigeration valves.

## 23 05 23 00-0067 Wye Strainer, Union With Two Pressure Ports, Ball Valves *(23 05 23 00-0066)*

| | | | | | |
|---|---|---|---|---|---|
| 23 05 23 00-0068 | | EA | 1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve | 179.95 | 11.71 |
| 23 05 23 00-0069 | | EA | 3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve | 230.70 | 15.21 |
| 23 05 23 00-0070 | | EA | 1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve | 297.55 | 18.73 |
| 23 05 23 00-0071 | | EA | 1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve | 406.40 | 25.75 |
| 23 05 23 00-0072 | | EA | 1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve | 508.70 | 29.96 |
| 23 05 23 00-0073 | | EA | 2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve | 672.03 | 35.12 |

## 23 05 23 00-0074 Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*

Note: 125 Lb. WSP.

| | | | | | |
|---|---|---|---|---|---|
| 23 05 23 00-0075 | | EA | 1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 52.79 | 11.71 |
| | | | *For Extension Stems And Sleeves On Insulated Pipe, Add* | *2.63* | |
| | | | *For Full Port, Add* | *6.76* | |
| | | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 23 05 23 00-0076 | | EA | 3/4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 74.00 | 12.88 |
| | | | *For Extension Stems And Sleeves On Insulated Pipe, Add* | *2.63* | |
| | | | *For Full Port, Add* | *10.40* | |
| | | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 23 05 23 00-0077 | | EA | 1" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 92.80 | 14.63 |
| | | | *For Extension Stems And Sleeves On Insulated Pipe, Add* | *2.63* | |
| | | | *For Full Port, Add* | *14.04* | |
| | | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-0078 | | EA | 1-1/4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 130.42 | 15.57 |
| | | | *For Extension Stems And Sleeves On Insulated Pipe, Add* | *2.63* | |
| | | | *For Full Port, Add* | *23.57* | |
| | | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 05 23 00-0079 | | EA | 1-1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 156.94 | 18.02 |
| | | | *For Extension Stems And Sleeves On Insulated Pipe, Add* | *2.63* | |
| | | | *For Full Port, Add* | *30.11* | |
| | | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 23 05 23 00-0080 | | EA | 2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 190.21 | 21.30 |
| | | | *For Extension Stems And Sleeves On Insulated Pipe, Add* | *2.63* | |
| | | | *For Full Port, Add* | *37.71* | |
| | | | *For Work In Restricted Working Space, Add* | *31.92* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0081 | EA | 2-1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 539.19 | 28.78 |
| | | *For Extension Stems And Sleeves On Insulated Pipe, Add* | *2.63* | |
| | | *For Full Port, Add* | *177.96* | |
| | | *For Work In Restricted Working Space, Add* | *43.12* | |
| 23 05 23 00-0082 | EA | 3" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 622.12 | 33.41 |
| | | *For Extension Stems And Sleeves On Insulated Pipe, Add* | *2.63* | |
| | | *For Full Port, Add* | *205.33* | |
| | | *For Work In Restricted Working Space, Add* | *49.75* | |
| 23 05 23 00-0083 | EA | 4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 810.72 | 37.72 |
| | | *For Extension Stems And Sleeves On Insulated Pipe, Add* | *2.63* | |
| | | *For Full Port, Add* | *279.94* | |
| | | *For Work In Restricted Working Space, Add* | *56.59* | |

## 23 05 23 00-0084 Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0085 | EA | 1/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve | 62.85 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 23 05 23 00-0086 | EA | 1/2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve | 68.98 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 23 05 23 00-0087 | EA | 3/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve | 96.04 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 23 05 23 00-0088 | EA | 1" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve | 122.32 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-0089 | EA | 1-1/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve | 181.80 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 05 23 00-0090 | EA | 1-1/2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve | 221.49 | 18.02 |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 23 05 23 00-0091 | EA | 2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve | 287.41 | 21.30 |
| | | *For Work In Restricted Working Space, Add* | *31.92* | |

## 23 05 23 00-0092 Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0093 | EA | 1-1/2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve | 610.48 | 122.91 |
| | | *For 150 Lb. Rating, Add* | *132.37* | |
| | | *For 250 Lb. Rating, Add* | *228.23* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *533.47* | |
| | | *For Chain Operated Type, Add* | *228.23* | |
| | | *For Work In Restricted Working Space, Add* | *46.21* | |
| | | *For Work In Restricted Working Space, Add* | *46.21* | |
| 23 05 23 00-0094 | EA | 2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve | 761.37 | 156.04 |
| | | *For 150 Lb. Rating, Add* | *164.22* | |
| | | *For 250 Lb. Rating, Add* | *283.14* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *663.83* | |
| | | *For Chain Operated Type, Add* | *283.14* | |
| | | *For Work In Restricted Working Space, Add* | *58.53* | |
| | | *For Work In Restricted Working Space, Add* | *58.53* | |
| 23 05 23 00-0095 | EA | 2-1/2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve | 1,230.43 | 156.29 |
| | | *For 150 Lb. Rating, Add* | *299.99* | |
| | | *For 250 Lb. Rating, Add* | *517.23* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *1,132.44* | |
| | | *For Chain Operated Type, Add* | *517.23* | |
| | | *For Work In Restricted Working Space, Add* | *58.79* | |
| | | *For Work In Restricted Working Space, Add* | *58.79* | |
| 23 05 23 00-0096 | EA | 3" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve | 1,347.79 | 183.25 |
| | | *For 150 Lb. Rating, Add* | *324.35* | |
| | | *For 250 Lb. Rating, Add* | *559.23* | |
| | | *For 300 Lb. Rating, ASTM A182, Add* | *1,233.12* | |
| | | *For Chain Operated Type, Add* | *559.23* | |
| | | *For Work In Restricted Working Space, Add* | *68.80* | |
| | | *For Work In Restricted Working Space, Add* | *68.80* | |
| 23 05 23 00-0097 | EA | 4" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve | 1,955.94 | 307.20 |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0098 | EA | 6" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve | 4,736.17 | 380.02 |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0099 | EA | 8" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve | 8,160.68 | 485.58 |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |

## 23 05 23 00-0100 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves *(23 05 23 00-0066)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0101 | EA | 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve | 45.09 | 11.71 |
| | | *For True Union Socket Or Thread Type, Add* | *4.91* | |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 23 05 23 00-0102 | EA | 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve | 59.32 | 12.88 |
| | | *For True Union Socket Or Thread Type, Add* | *6.04* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 23 05 23 00-0103 | EA | 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve | 73.36 | 14.63 |
| | | *For True Union Socket Or Thread Type, Add* | *7.93* | |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-0104 | EA | 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve | 93.47 | 15.57 |
| | | *For True Union Socket Or Thread Type, Add* | *10.27* | |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 05 23 00-0105 | EA | 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve | 116.89 | 18.02 |
| | | *For True Union Socket Or Thread Type, Add* | *15.47* | |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 23 05 23 00-0106 | | EA | 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve | 140.62 | 21.30 |
| | | | *For True Union Socket Or Thread Type, Add* | *19.27* | |
| | | | *For Work In Restricted Working Space, Add* | *31.92* | |
| 23 05 23 00-0107 | | EA | 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve | 217.33 | 28.78 |
| | | | *For True Union Socket Or Thread Type, Add* | *36.99* | |
| | | | *For Work In Restricted Working Space, Add* | *43.12* | |
| 23 05 23 00-0108 | | EA | 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve | 291.00 | 33.41 |
| | | | *For True Union Socket Or Thread Type, Add* | *58.77* | |
| | | | *For Work In Restricted Working Space, Add* | *49.75* | |
| 23 05 23 00-0109 | | EA | 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve | 427.96 | 37.72 |
| | | | *For True Union Socket Or Thread Type, Add* | *105.64* | |
| | | | *For Work In Restricted Working Space, Add* | *56.59* | |
| 23 05 23 00-0110 | | | Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)* | | |
| 23 05 23 00-0111 | | EA | 1/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 96.32 | 17.56 |
| | | | *For Full Port, Add* | *20.34* | |
| | | | *For Work In Restricted Working Space, Add* | *15.34* | |
| 23 05 23 00-0112 | | EA | 3/8" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 99.01 | 17.56 |
| | | | *For Full Port, Add* | *20.34* | |
| | | | *For Work In Restricted Working Space, Add* | *16.15* | |
| 23 05 23 00-0113 | | EA | 1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 101.83 | 17.56 |
| | | | *For Full Port, Add* | *20.34* | |
| | | | *For Work In Restricted Working Space, Add* | *16.99* | |
| 23 05 23 00-0114 | | EA | 3/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 124.26 | 19.31 |
| | | | *For Full Port, Add* | *21.56* | |
| | | | *For Work In Restricted Working Space, Add* | *22.90* | |
| 23 05 23 00-0115 | | EA | 1" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 163.40 | 21.95 |
| | | | *For Full Port, Add* | *31.94* | |
| | | | *For Work In Restricted Working Space, Add* | *27.73* | |
| 23 05 23 00-0116 | | EA | 1-1/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 214.20 | 23.35 |
| | | | *For Full Port, Add* | *43.72* | |
| | | | *For Work In Restricted Working Space, Add* | *35.12* | |
| 23 05 23 00-0117 | | EA | 1-1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 264.23 | 27.04 |
| | | | *For Full Port, Add* | *58.13* | |
| | | | *For Work In Restricted Working Space, Add* | *40.52* | |
| 23 05 23 00-0118 | | EA | 2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 369.85 | 31.96 |
| | | | *For Full Port, Add* | *94.60* | |
| | | | *For Work In Restricted Working Space, Add* | *47.89* | |
| 23 05 23 00-0119 | | EA | 2-1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 725.75 | 43.17 |
| | | | *For Full Port, Add* | *229.58* | |
| | | | *For Work In Restricted Working Space, Add* | *64.67* | |
| 23 05 23 00-0120 | | EA | 3" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve | 1,058.87 | 50.12 |
| | | | *For Full Port, Add* | *364.55* | |
| | | | *For Work In Restricted Working Space, Add* | *74.63* | |
| 23 05 23 00-0121 | | | Plastic, True Union, Ball Valves *(23 05 23 00-0066)* | | |
| 23 05 23 00-0122 | | | Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves *(23 05 23 00-0121)* | | |
| | | | Note: Socket or NPT connectors. | | |
| 23 05 23 00-0123 | | EA | 3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) | 118.81 | 11.71 |
| 23 05 23 00-0124 | | EA | 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) | 123.72 | 11.71 |
| 23 05 23 00-0125 | | EA | 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) | 149.86 | 12.88 |
| 23 05 23 00-0126 | | EA | 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) | 184.36 | 14.63 |
| 23 05 23 00-0127 | | EA | 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) | 222.36 | 15.57 |
| 23 05 23 00-0128 | | EA | 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) | 255.92 | 18.02 |
| 23 05 23 00-0129 | | EA | 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) | 313.76 | 21.30 |
| 23 05 23 00-0130 | | | Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves *(23 05 23 00-0121)* | | |
| | | | Note: Socket or NPT connectors. | | |
| 23 05 23 00-0131 | | EA | 3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) | 120.47 | 11.71 |
| 23 05 23 00-0132 | | EA | 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) | 140.31 | 11.71 |
| 23 05 23 00-0133 | | EA | 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) | 151.52 | 12.88 |
| 23 05 23 00-0134 | | EA | 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) | 184.36 | 14.63 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0135 | EA | 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) | 219.04 | 15.57 |
| 23 05 23 00-0136 | EA | 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) | 254.26 | 18.02 |
| 23 05 23 00-0137 | EA | 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) | 313.76 | 21.30 |
| 23 05 23 00-0138 | | Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0121)* | | |
| | | Note: Socket or NPT connectors. | | |
| 23 05 23 00-0139 | EA | 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) | 65.66 | 11.71 |
| 23 05 23 00-0140 | EA | 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) | 84.34 | 12.88 |
| 23 05 23 00-0141 | EA | 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) | 101.42 | 14.63 |
| 23 05 23 00-0142 | EA | 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) | 133.61 | 15.57 |
| 23 05 23 00-0143 | EA | 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) | 156.39 | 18.02 |
| 23 05 23 00-0144 | EA | 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) | 214.23 | 21.30 |
| 23 05 23 00-0145 | EA | 2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) | 299.65 | 28.78 |
| 23 05 23 00-0146 | EA | 3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) | 378.16 | 33.41 |
| 23 05 23 00-0147 | EA | 4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) | 536.98 | 37.72 |
| 23 05 23 00-0148 | | Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves *(23 05 23 00-0121)* | | |
| | | Note: Socket or NPT connectors. | | |
| 23 05 23 00-0149 | EA | 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) | 77.27 | 11.71 |
| 23 05 23 00-0150 | EA | 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) | 100.92 | 12.88 |
| 23 05 23 00-0151 | EA | 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) | 124.64 | 14.63 |
| 23 05 23 00-0152 | EA | 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) | 174.25 | 15.57 |
| 23 05 23 00-0153 | EA | 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) | 191.23 | 18.02 |
| 23 05 23 00-0154 | EA | 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) | 245.75 | 21.30 |
| 23 05 23 00-0155 | EA | 2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) | 425.72 | 28.78 |
| 23 05 23 00-0156 | EA | 3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) | 497.59 | 33.41 |
| 23 05 23 00-0157 | EA | 4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) | 769.21 | 37.72 |
| 23 05 23 00-0158 | | Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0121)* | | |
| 23 05 23 00-0159 | | Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0158)* | | |
| 23 05 23 00-0160 | EA | 1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 63.53 | 11.71 |
| 23 05 23 00-0161 | EA | 3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 65.31 | 11.71 |
| 23 05 23 00-0162 | EA | 1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 66.89 | 11.71 |
| 23 05 23 00-0163 | EA | 3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 85.33 | 12.88 |
| 23 05 23 00-0164 | EA | 1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 104.51 | 14.63 |
| 23 05 23 00-0165 | EA | 1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 127.38 | 15.57 |
| 23 05 23 00-0166 | EA | 1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 153.29 | 18.02 |
| 23 05 23 00-0167 | EA | 2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 195.99 | 21.30 |
| 23 05 23 00-0168 | EA | 2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 365.17 | 28.78 |
| 23 05 23 00-0169 | EA | 3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 406.36 | 33.41 |
| 23 05 23 00-0170 | EA | 4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 562.69 | 37.72 |
| 23 05 23 00-0171 | | Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0158)* | | |
| 23 05 23 00-0172 | EA | 1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 63.53 | 11.71 |
| 23 05 23 00-0173 | EA | 3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 65.31 | 11.71 |
| 23 05 23 00-0174 | EA | 1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 66.89 | 11.71 |
| 23 05 23 00-0175 | EA | 3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 85.33 | 12.88 |
| 23 05 23 00-0176 | EA | 1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 104.51 | 14.63 |
| 23 05 23 00-0177 | EA | 1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 127.38 | 15.57 |
| 23 05 23 00-0178 | EA | 1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 153.29 | 18.02 |
| 23 05 23 00-0179 | EA | 2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 195.99 | 21.30 |
| 23 05 23 00-0180 | EA | 2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 365.17 | 28.78 |
| 23 05 23 00-0181 | EA | 3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 406.36 | 33.41 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0182 | EA | 4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve | 562.69 | 37.72 |
| 23 05 23 00-0183 | | **Plastic Ball Valves** *(23 05 23 00-0066)*<br>Note: Threaded or socket. | | |
| 23 05 23 00-0184 | | **Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves** *(23 05 23 00-0183)* | | |
| 23 05 23 00-0185 | EA | 3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) | 73.19 | 11.71 |
| 23 05 23 00-0186 | EA | 1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) | 76.44 | 11.71 |
| 23 05 23 00-0187 | EA | 3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) | 96.78 | 12.88 |
| 23 05 23 00-0188 | EA | 1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) | 125.89 | 14.63 |
| 23 05 23 00-0189 | EA | 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) | 149.74 | 15.57 |
| 23 05 23 00-0190 | EA | 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) | 181.38 | 18.02 |
| 23 05 23 00-0191 | EA | 2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) | 220.95 | 21.30 |
| 23 05 23 00-0192 | | **Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves** *(23 05 23 00-0183)* | | |
| 23 05 23 00-0193 | EA | 3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) | 109.69 | 11.71 |
| 23 05 23 00-0194 | EA | 1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) | 111.28 | 11.71 |
| 23 05 23 00-0195 | EA | 3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) | 139.91 | 12.88 |
| 23 05 23 00-0196 | EA | 1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) | 172.75 | 14.63 |
| 23 05 23 00-0197 | EA | 1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) | 260.51 | 15.57 |
| 23 05 23 00-0198 | EA | 1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) | 289.10 | 18.02 |
| 23 05 23 00-0199 | EA | 2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) | 346.94 | 21.30 |
| 23 05 23 00-0200 | | **Viton Liner And Seals, Polypropylene (PP) Ball Valves** *(23 05 23 00-0183)* | | |
| 23 05 23 00-0201 | EA | 3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) | 122.13 | 11.71 |
| 23 05 23 00-0202 | EA | 1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) | 132.01 | 11.71 |
| 23 05 23 00-0203 | EA | 3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) | 151.52 | 12.88 |
| 23 05 23 00-0204 | EA | 1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) | 186.02 | 14.63 |
| 23 05 23 00-0205 | EA | 1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) | 233.97 | 15.57 |
| 23 05 23 00-0206 | EA | 1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) | 280.80 | 18.02 |
| 23 05 23 00-0207 | EA | 2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) | 363.52 | 21.30 |
| 23 05 23 00-0208 | | **Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves** *(23 05 23 00-0183)* | | |
| 23 05 23 00-0209 | EA | 3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) | 244.88 | 11.71 |
| 23 05 23 00-0210 | EA | 1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) | 261.40 | 11.71 |
| 23 05 23 00-0211 | EA | 3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) | 310.76 | 12.88 |
| 23 05 23 00-0212 | EA | 1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) | 363.51 | 14.63 |
| 23 05 23 00-0213 | EA | 1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) | 442.98 | 15.57 |
| 23 05 23 00-0214 | EA | 1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) | 488.15 | 18.02 |
| 23 05 23 00-0215 | EA | 2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) | 562.58 | 21.30 |
| 23 05 23 00-0216 | | **Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves** *(23 05 23 00-0183)* | | |
| 23 05 23 00-0217 | EA | 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) | 50.14 | 11.71 |
| 23 05 23 00-0218 | EA | 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) | 67.17 | 12.88 |
| 23 05 23 00-0219 | EA | 1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) | 81.52 | 14.63 |
| 23 05 23 00-0220 | EA | 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) | 113.21 | 15.57 |
| 23 05 23 00-0221 | EA | 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) | 125.21 | 18.02 |
| 23 05 23 00-0222 | EA | 2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) | 152.77 | 21.30 |
| 23 05 23 00-0223 | | **Globe Valves** *(23 05 23)* | | |
| 23 05 23 00-0224 | | **Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves** *(23 05 23 00-0223)* | | |
| 23 05 23 00-0225 | EA | 1/8" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve | 75.90 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *11.82* | |
| | | *For 200 Lb. Rating, Add* | *14.49* | |
| | | *For 250 Lb. Rating, Add* | *17.16* | |
| | | *For 300 Lb. Rating, Add* | *20.98* | |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0226 | EA | 1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve | 72.23 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *11.82* | |
| | | *For 200 Lb. Rating, Add* | *14.49* | |
| | | *For 250 Lb. Rating, Add* | *17.16* | |
| | | *For 300 Lb. Rating, Add* | *20.98* | |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 23 05 23 00-0227 | EA | 3/8" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve | 92.80 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *17.65* | |
| | | *For 200 Lb. Rating, Add* | *21.63* | |
| | | *For 250 Lb. Rating, Add* | *25.62* | |
| | | *For 300 Lb. Rating, Add* | *31.31* | |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 23 05 23 00-0228 | EA | 1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve | 94.69 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *17.65* | |
| | | *For 200 Lb. Rating, Add* | *21.63* | |
| | | *For 250 Lb. Rating, Add* | *25.62* | |
| | | *For 300 Lb. Rating, Add* | *31.31* | |
| | | *For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add* | *77.73* | |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 23 05 23 00-0229 | EA | 3/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve | 112.61 | 12.29 |
| | | *For 150 Lb. Rating, Add* | *19.13* | |
| | | *For 200 Lb. Rating, Add* | *23.45* | |
| | | *For 250 Lb. Rating, Add* | *27.77* | |
| | | *For 300 Lb. Rating, Add* | *33.95* | |
| | | *For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add* | *88.25* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 23 05 23 00-0230 | EA | 1" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve | 145.02 | 12.29 |
| | | *For 150 Lb. Rating, Add* | *25.86* | |
| | | *For 200 Lb. Rating, Add* | *31.70* | |
| | | *For 250 Lb. Rating, Add* | *37.53* | |
| | | *For 300 Lb. Rating, Add* | *45.88* | |
| | | *For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add* | *116.40* | |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-0231 | EA | 1-1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve | 222.10 | 15.57 |
| | | *For 150 Lb. Rating, Add* | *44.66* | |
| | | *For 200 Lb. Rating, Add* | *54.74* | |
| | | *For 250 Lb. Rating, Add* | *64.83* | |
| | | *For 300 Lb. Rating, Add* | *79.23* | |
| | | *For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add* | *189.68* | |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 05 23 00-0232 | EA | 1-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve | 295.93 | 18.02 |
| | | *For 150 Lb. Rating, Add* | *63.83* | |
| | | *For 200 Lb. Rating, Add* | *78.24* | |
| | | *For 250 Lb. Rating, Add* | *92.65* | |
| | | *For 300 Lb. Rating, Add* | *113.24* | |
| | | *For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add* | *262.50* | |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 23 05 23 00-0233 | EA | 2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve | 348.45 | 21.30 |
| | | *For 150 Lb. Rating, Add* | *75.03* | |
| | | *For 200 Lb. Rating, Add* | *91.98* | |
| | | *For 250 Lb. Rating, Add* | *108.92* | |
| | | *For 300 Lb. Rating, Add* | *133.12* | |
| | | *For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add* | *308.81* | |
| | | *For Work In Restricted Working Space, Add* | *31.92* | |
| 23 05 23 00-0234 | EA | 2-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve | 387.75 | 28.78 |
| | | *For 150 Lb. Rating, Add* | *75.65* | |
| | | *For 200 Lb. Rating, Add* | *92.73* | |
| | | *For 250 Lb. Rating, Add* | *109.81* | |
| | | *For 300 Lb. Rating, Add* | *134.22* | |
| | | *For Work In Restricted Working Space, Add* | *43.12* | |
| 23 05 23 00-0235 | EA | 3" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve | 712.55 | 33.41 |
| | | *For 150 Lb. Rating, Add* | *169.48* | |
| | | *For 200 Lb. Rating, Add* | *207.75* | |
| | | *For 250 Lb. Rating, Add* | *246.02* | |
| | | *For 300 Lb. Rating, Add* | *300.70* | |
| | | *For Work In Restricted Working Space, Add* | *49.75* | |
| 23 05 23 00-0236 | | Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0223)* | | |
| 23 05 23 00-0237 | EA | 2" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 531.66 | 21.30 |
| | | *For 150 Lb. Rating, Add* | *131.83* | |
| | | *For 200 Lb. Rating, Add* | *161.60* | |
| | | *For 250 Lb. Rating, Add* | *191.36* | |
| | | *For 300 Lb. Rating, Add* | *233.89* | |
| | | *For Chain Operated Type, Add* | *355.08* | |
| | | *For Work In Restricted Working Space, Add* | *31.92* | |
| 23 05 23 00-0238 | EA | 2-1/2" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 659.17 | 28.78 |
| | | *For 150 Lb. Rating, Add* | *159.79* | |
| | | *For 200 Lb. Rating, Add* | *195.87* | |
| | | *For 250 Lb. Rating, Add* | *231.95* | |
| | | *For 300 Lb. Rating, Add* | *283.50* | |
| | | *For Chain Operated Type, Add* | *430.40* | |
| | | *For Work In Restricted Working Space, Add* | *43.12* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0239 | EA | 3" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 784.37 | 33.41 |
| | | *For 150 Lb. Rating, Add* | *191.75* | |
| | | *For 200 Lb. Rating, Add* | *235.05* | |
| | | *For 250 Lb. Rating, Add* | *278.34* | |
| | | *For 300 Lb. Rating, Add* | *340.20* | |
| | | *For Chain Operated Type, Add* | *516.48* | |
| | | *For Work In Restricted Working Space, Add* | *49.75* | |
| 23 05 23 00-0240 | EA | 4" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 1,013.30 | 37.72 |
| | | *For 150 Lb. Rating, Add* | *255.66* | |
| | | *For 200 Lb. Rating, Add* | *313.39* | |
| | | *For 250 Lb. Rating, Add* | *371.12* | |
| | | *For 300 Lb. Rating, Add* | *453.60* | |
| | | *For Chain Operated Type, Add* | *688.64* | |
| | | *For Work In Restricted Working Space, Add* | *56.57* | |

### 23 05 23 00-0241 Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0223)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0242 | EA | 2" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 715.93 | 156.04 |
| | | *For 150 Lb. Rating, Add* | *161.46* | |
| | | *For 250 Lb. Rating, Add* | *234.38* | |
| | | *For Chain Operated Type, Add* | *260.42* | |
| | | *For Work In Restricted Working Space, Add* | *58.53* | |
| 23 05 23 00-0243 | EA | 2-1/2" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 830.91 | 156.29 |
| | | *For 150 Lb. Rating, Add* | *196.83* | |
| | | *For 250 Lb. Rating, Add* | *285.72* | |
| | | *For Chain Operated Type, Add* | *317.47* | |
| | | *For Work In Restricted Working Space, Add* | *58.79* | |
| 23 05 23 00-0244 | EA | 3" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 991.26 | 183.25 |
| | | *For 150 Lb. Rating, Add* | *236.20* | |
| | | *For 250 Lb. Rating, Add* | *342.86* | |
| | | *For Chain Operated Type, Add* | *380.96* | |
| | | *For Work In Restricted Working Space, Add* | *68.80* | |
| 23 05 23 00-0245 | EA | 4" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 1,400.86 | 307.20 |
| | | *For 150 Lb. Rating, Add* | *314.93* | |
| | | *For 250 Lb. Rating, Add* | *457.15* | |
| | | *For Chain Operated Type, Add* | *507.95* | |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0246 | EA | 5" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 1,839.58 | 342.01 |
| | | *For 150 Lb. Rating, Add* | *437.94* | |
| | | *For 250 Lb. Rating, Add* | *635.72* | |
| | | *For Chain Operated Type, Add* | *706.36* | |
| | | *For Work In Restricted Working Space, Add* | *128.06* | |
| 23 05 23 00-0247 | EA | 6" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 2,262.47 | 380.02 |
| | | *For 150 Lb. Rating, Add* | *553.58* | |
| | | *For 250 Lb. Rating, Add* | *803.58* | |
| | | *For Chain Operated Type, Add* | *892.87* | |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0248 | EA | 8" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 3,349.27 | 485.58 |
| | | *For 150 Lb. Rating, Add* | *851.28* | |
| | | *For 250 Lb. Rating, Add* | *1,235.73* | |
| | | *For Chain Operated Type, Add* | *1,373.04* | |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |
| 23 05 23 00-0249 | EA | 10" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 4,921.52 | 591.14 |
| | | *For 150 Lb. Rating, Add* | *1,296.61* | |
| | | *For 250 Lb. Rating, Add* | *1,882.17* | |
| | | *For Chain Operated Type, Add* | *2,091.30* | |
| | | *For Work In Restricted Working Space, Add* | *221.68* | |
| 23 05 23 00-0250 | EA | 12" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve | 8,810.28 | 717.80 |
| | | *For 150 Lb. Rating, Add* | *2,453.53* | |
| | | *For 250 Lb. Rating, Add* | *3,561.58* | |
| | | *For Chain Operated Type, Add* | *3,957.31* | |
| | | *For Work In Restricted Working Space, Add* | *268.70* | |

### 23 05 23 00-0251 Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves *(23 05 23 00-0223)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0252 | EA | 1/8" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve | 66.65 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *8.96* | |
| | | *For 200 Lb. Rating, Add* | *10.98* | |
| | | *For 300 Lb. Rating, Add* | *15.89* | |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 23 05 23 00-0253 | EA | 1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve | 62.98 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *8.96* | |
| | | *For 200 Lb. Rating, Add* | *10.98* | |
| | | *For 300 Lb. Rating, Add* | *15.89* | |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 23 05 23 00-0254 | EA | 3/8" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve | 64.76 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *8.96* | |
| | | *For 200 Lb. Rating, Add* | *10.98* | |
| | | *For 300 Lb. Rating, Add* | *15.89* | |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 23 05 23 00-0255 | EA | 1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve | 68.58 | 11.71 |
| | | *For 150 Lb. Rating, Add* | *9.55* | |
| | | *For 200 Lb. Rating, Add* | *11.71* | |
| | | *For 300 Lb. Rating, Add* | *16.95* | |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0256 | EA | 3/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve | 93.63 | 12.29 |
| | | *For 150 Lb. Rating, Add* | *13.25* | |
| | | *For 200 Lb. Rating, Add* | *16.24* | |
| | | *For 300 Lb. Rating, Add* | *23.51* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 23 05 23 00-0257 | EA | 1" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve | 117.69 | 12.29 |
| | | *For 150 Lb. Rating, Add* | *17.38* | |
| | | *For 200 Lb. Rating, Add* | *21.31* | |
| | | *For 300 Lb. Rating, Add* | *30.84* | |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-0258 | EA | 1-1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve | 161.35 | 15.57 |
| | | *For 150 Lb. Rating, Add* | *25.83* | |
| | | *For 200 Lb. Rating, Add* | *31.66* | |
| | | *For 300 Lb. Rating, Add* | *45.82* | |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 05 23 00-0259 | EA | 1-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve | 187.17 | 18.02 |
| | | *For 150 Lb. Rating, Add* | *30.11* | |
| | | *For 200 Lb. Rating, Add* | *36.91* | |
| | | *For 300 Lb. Rating, Add* | *53.42* | |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 23 05 23 00-0260 | EA | 2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve | 252.70 | 21.30 |
| | | *For 150 Lb. Rating, Add* | *45.35* | |
| | | *For 200 Lb. Rating, Add* | *55.59* | |
| | | *For 300 Lb. Rating, Add* | *80.46* | |
| | | *For Work In Restricted Working Space, Add* | *31.92* | |
| 23 05 23 00-0261 | EA | 2-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve | 419.97 | 31.25 |
| | | *For 150 Lb. Rating, Add* | *81.81* | |
| | | *For 200 Lb. Rating, Add* | *100.28* | |
| | | *For 300 Lb. Rating, Add* | *145.14* | |
| | | *For Work In Restricted Working Space, Add* | *46.82* | |
| 23 05 23 00-0262 | EA | 3" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve | 626.99 | 36.29 |
| | | *For 150 Lb. Rating, Add* | *138.54* | |
| | | *For 200 Lb. Rating, Add* | *169.82* | |
| | | *For 300 Lb. Rating, Add* | *245.80* | |
| | | *For Work In Restricted Working Space, Add* | *54.03* | |

## 23 05 23 00-0263 Flanged, 125 Lb., Iron Body, Angle Globe Valves *(23 05 23 00-0223)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0264 | EA | 2" Flanged, 125 Lb., Iron Body, Angle Globe Valve | 1,535.12 | 156.04 |
| | | *For 250 Lb. Rating, Add* | *804.02* | |
| | | *For Chain Operated Type, Add* | *522.61* | |
| | | *For Work In Restricted Working Space, Add* | *58.53* | |
| 23 05 23 00-0265 | EA | 2-1/2" Flanged, 125 Lb., Iron Body, Angle Globe Valve | 1,780.80 | 156.29 |
| | | *For 250 Lb. Rating, Add* | *950.89* | |
| | | *For Chain Operated Type, Add* | *618.08* | |
| | | *For Work In Restricted Working Space, Add* | *58.79* | |
| 23 05 23 00-0266 | EA | 3" Flanged, 125 Lb., Iron Body, Angle Globe Valve | 2,096.93 | 183.25 |
| | | *For 250 Lb. Rating, Add* | *1,120.55* | |
| | | *For Chain Operated Type, Add* | *728.36* | |
| | | *For Work In Restricted Working Space, Add* | *68.80* | |
| 23 05 23 00-0267 | EA | 4" Flanged, 125 Lb., Iron Body, Angle Globe Valve | 3,052.42 | 307.20 |
| | | *For 250 Lb. Rating, Add* | *1,600.47* | |
| | | *For Chain Operated Type, Add* | *1,040.31* | |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0268 | EA | 5" Flanged, 125 Lb., Iron Body, Angle Globe Valve | 5,207.44 | 342.01 |
| | | *For 250 Lb. Rating, Add* | *2,868.35* | |
| | | *For Chain Operated Type, Add* | *1,864.43* | |
| | | *For Work In Restricted Working Space, Add* | *128.06* | |
| 23 05 23 00-0269 | EA | 6" Flanged, 125 Lb., Iron Body, Angle Globe Valve | 5,257.31 | 380.02 |
| | | *For 250 Lb. Rating, Add* | *2,868.35* | |
| | | *For Chain Operated Type, Add* | *1,864.43* | |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0270 | EA | 8" Flanged, 125 Lb., Iron Body, Angle Globe Valve | 9,959.74 | 485.58 |
| | | *For 250 Lb. Rating, Add* | *5,613.92* | |
| | | *For Chain Operated Type, Add* | *3,649.05* | |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |

## 23 05 23 00-0271 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves *(23 05 23 00-0223)*

Note: 800 PSIG at 850 degrees F.

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0272 | EA | 1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve | 218.90 | 18.96 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 23 05 23 00-0273 | EA | 1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve | 222.57 | 18.96 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 23 05 23 00-0274 | EA | 3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve | 261.14 | 25.52 |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 23 05 23 00-0275 | EA | 1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve | 322.72 | 30.79 |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-0276 | EA | 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve | 525.66 | 38.98 |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 05 23 00-0277 | EA | 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve | 630.92 | 45.06 |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 23 05 23 00-0278 | EA | 2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve | 803.28 | 53.26 |
| | | *For Work In Restricted Working Space, Add* | *31.92* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0279 | | **Triple Duty Valves** *(23 05 23)* Note: Valves function as a shut-off, check valve and calibrated balancing valve. | | |
| 23 05 23 00-0280 | | **Straight Pattern, Triple Duty Valves** *(23 05 23 00-0279)* Note: Bell & Gossett 3DX and 3DS-S Series. | | |
| 23 05 23 00-0281 | EA | 1" Threaded, Straight Pattern, Triple Duty Valve | 319.13 | 12.29 |
| 23 05 23 00-0282 | EA | 1-1/4" Threaded, Straight Pattern, Triple Duty Valve | 369.54 | 15.57 |
| 23 05 23 00-0283 | EA | 1-1/2" Threaded, Straight Pattern, Triple Duty Valve | 401.04 | 18.02 |
| 23 05 23 00-0284 | EA | 2" Flanged, Straight Pattern, Triple Duty Valve | 1,040.67 | 156.04 |
| 23 05 23 00-0285 | EA | 2-1/2" Flanged, Straight Pattern, Triple Duty Valve | 1,172.77 | 156.29 |
| 23 05 23 00-0286 | EA | 3" Flanged, Straight Pattern, Triple Duty Valve | 1,283.88 | 183.25 |
| 23 05 23 00-0287 | EA | 4" Flanged, Straight Pattern, Triple Duty Valve | 2,630.12 | 307.20 |
| 23 05 23 00-0288 | EA | 5" Flanged, Straight Pattern Triple Duty Valve | 3,075.36 | 342.01 |
| 23 05 23 00-0289 | EA | 6" Flanged, Straight Pattern, Triple Duty Valve | 4,092.30 | 380.02 |
| 23 05 23 00-0290 | EA | 8" Flanged, Straight Pattern, Triple Duty Valve | 5,511.44 | 485.58 |
| 23 05 23 00-0291 | EA | 10" Flanged, Straight Pattern, Triple Duty Valve | 8,844.80 | 591.14 |
| 23 05 23 00-0292 | | **Flanged, Angle Pattern, Triple Duty Valves** *(23 05 23 00-0279)* Note: Bell & Gossett 3D-S Series. | | |
| 23 05 23 00-0293 | EA | 2" Flanged, Angle Pattern, Triple Duty Valve | 1,016.37 | 156.04 |
| 23 05 23 00-0294 | EA | 2-1/2" Flanged, Angle Pattern, Triple Duty Valve | 1,143.61 | 156.29 |
| 23 05 23 00-0295 | EA | 3" Flanged, Angle Pattern, Triple Duty Valve | 1,259.58 | 183.25 |
| 23 05 23 00-0296 | EA | 4" Flanged, Angle Pattern, Triple Duty Valve | 2,566.95 | 307.20 |
| 23 05 23 00-0297 | EA | 5" Flanged, Angle Pattern, Triple Duty Valve | 2,997.61 | 342.01 |
| 23 05 23 00-0298 | EA | 6" Flanged, Angle Pattern, Triple Duty Valve | 3,363.36 | 380.02 |
| 23 05 23 00-0299 | EA | 8" Flanged, Angle Pattern, Triple Duty Valve | 5,166.40 | 485.58 |
| 23 05 23 00-0300 | EA | 10" Flanged, Angle Pattern, Triple Duty Valve | 6,905.80 | 591.14 |
| 23 05 23 00-0301 | | **Balanced, Straight Pattern, Triple Duty Valves** *(23 05 23 00-0279)* Note: Bell & Gossett 3DS-B Series. | | |
| 23 05 23 00-0302 | EA | 3" Flanged, Balanced, Straight Pattern, Triple Duty Valve | 1,176.97 | 183.25 |
| 23 05 23 00-0303 | EA | 4" Flanged, Balanced, Straight Pattern, Triple Duty Valve | 2,348.26 | 307.20 |
| 23 05 23 00-0304 | EA | 5" Flanged, Balanced, Straight Pattern, Triple Duty Valve | 2,749.77 | 342.01 |
| 23 05 23 00-0305 | EA | 6" Flanged, Balanced, Straight Pattern, Triple Duty Valve | 3,650.07 | 380.02 |
| 23 05 23 00-0306 | EA | 8" Flanged, Balanced, Straight Pattern, Triple Duty Valve | 4,908.84 | 485.58 |
| 23 05 23 00-0307 | EA | 10" Flanged, Balanced, Straight Pattern, Triple Duty Valve | 7,838.85 | 591.14 |
| 23 05 23 00-0308 | EA | 12" Flanged, Balanced, Straight Pattern, Triple Duty Valve | 11,800.87 | 717.80 |
| 23 05 23 00-0309 | EA | 14" Flanged, Balanced, Straight Pattern, Triple Duty Valve | 14,343.67 | 844.48 |
| 23 05 23 00-0310 | EA | 16" Flanged, Balanced, Straight Pattern, Triple Duty Valve | 17,971.63 | 928.93 |
| 23 05 23 00-0311 | | **Grooved Straight Pattern, Triple Duty Valves** *(23 05 23 00-0279)* Note: Bell & Gossett 3DS-G Series. | | |
| 23 05 23 00-0312 | EA | 2" Grooved, Straight Pattern, Triple Duty Valve | 1,111.85 | 28.92 |
| 23 05 23 00-0313 | EA | 2-1/2" Grooved, Straight Pattern, Triple Duty Valve | 1,325.30 | 34.49 |
| 23 05 23 00-0314 | EA | 3" Grooved, Straight Pattern, Triple Duty Valve | 1,543.11 | 37.40 |
| 23 05 23 00-0315 | EA | 4" Grooved, Straight Pattern, Triple Duty Valve | 2,563.61 | 40.31 |
| 23 05 23 00-0316 | EA | 5" Grooved, Straight Pattern, Triple Duty Valve | 2,971.72 | 53.84 |
| 23 05 23 00-0317 | EA | 6" Grooved, Straight Pattern Triple Duty Valve | 3,961.99 | 69.04 |
| 23 05 23 00-0318 | EA | 8" Grooved, Straight Pattern Triple Duty Valve | 5,389.02 | 87.62 |
| 23 05 23 00-0319 | EA | 10" Grooved, Straight Pattern Triple Duty Valve | 8,506.37 | 98.17 |
| 23 05 23 00-0320 | EA | 12" Grooved, Straight Pattern Triple Duty Valve | 13,508.03 | 119.70 |
| 23 05 23 00-0321 | | **Plug Valves** *(23 05 23)* | | |
| 23 05 23 00-0322 | | **Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated** *(23 05 23 00-0321)* Note: Includes wrench. | | |
| 23 05 23 00-0323 | EA | 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench | 308.09 | 11.71 |
| 23 05 23 00-0324 | EA | 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench | 321.22 | 12.88 |
| 23 05 23 00-0325 | EA | 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench | 406.41 | 14.63 |
| 23 05 23 00-0326 | EA | 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench | 486.29 | 15.57 |
| 23 05 23 00-0327 | EA | 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench | 534.15 | 18.02 |
| 23 05 23 00-0328 | EA | 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench | 630.51 | 21.30 |
| 23 05 23 00-0329 | EA | 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench | 946.42 | 28.78 |
| 23 05 23 00-0330 | EA | 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench | 1,158.86 | 33.41 |
| 23 05 23 00-0331 | | **Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0321)* Note: Wrench operated for 4", gear operated for 6" and 10". | | |
| 23 05 23 00-0332 | EA | 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench | 751.28 | 156.04 |
| 23 05 23 00-0333 | EA | 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench | 928.62 | 156.29 |
| 23 05 23 00-0334 | EA | 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench | 1,149.93 | 183.25 |
| 23 05 23 00-0335 | EA | 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench | 1,631.61 | 307.20 |
| 23 05 23 00-0336 | EA | 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench | 3,802.37 | 380.02 |
| 23 05 23 00-0337 | EA | 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench | 6,594.72 | 485.58 |
| 23 05 23 00-0338 | EA | 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench | 10,723.51 | 591.14 |
| 23 05 23 00-0339 | EA | 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench | 16,050.91 | 717.80 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0340 | EA | 14" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench | 26,302.95 | 1,017.44 |
| 23 05 23 00-0341 | EA | 16" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench | 28,106.39 | 1,119.19 |
| 23 05 23 00-0342 | EA | 18" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench | 33,874.62 | 1,241.28 |
| 23 05 23 00-0343 | EA | 20" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench | 43,630.55 | 1,398.99 |
| 23 05 23 00-0344 | EA | 24" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench | 54,773.34 | 1,716.94 |
| **23 05 23 00-0345** | | **Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0321)* | | |
| 23 05 23 00-0346 | EA | 1/2" Plug Valve, 1,500 Lb., Forged Steel, Screwed | 1,194.04 | 11.71 |
| 23 05 23 00-0347 | EA | 3/4" Plug Valve, 1,500 Lb., Forged Steel, Screwed | 1,410.34 | 12.88 |
| 23 05 23 00-0348 | EA | 1" Plug Valve, 1,500 Lb., Forged Steel, Screwed | 1,594.12 | 14.63 |
| 23 05 23 00-0349 | EA | 1-1/4" Plug Valve, 1,500 Lb., Forged Steel, Screwed | 1,912.37 | 15.57 |
| 23 05 23 00-0350 | EA | 1-1/2" Plug Valve, 1,500 Lb., Forged Steel, Screwed | 2,227.03 | 18.02 |
| 23 05 23 00-0351 | EA | 2" Plug Valve, 1,500 Lb., Forged Steel, Screwed | 2,930.65 | 21.30 |
| **23 05 23 00-0352** | | **Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0321)* | | |
| 23 05 23 00-0353 | EA | 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI | 1,196.97 | 307.20 |
| 23 05 23 00-0354 | EA | 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI | 1,869.10 | 380.02 |
| 23 05 23 00-0355 | EA | 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI | 2,544.02 | 485.58 |
| 23 05 23 00-0356 | EA | 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI | 3,611.54 | 591.14 |
| 23 05 23 00-0357 | EA | 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI | 4,665.46 | 717.80 |
| **23 05 23 00-0358** | | **Foot Valves** *(23 05 23)* | | |
| **23 05 23 00-0359** | | **Single Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0358)* | | |
| 23 05 23 00-0360 | EA | 1" Single Poppet Foot Valve, Metal To Metal Seat Construction | 98.55 | 29.28 |
| 23 05 23 00-0361 | EA | 1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction | 112.18 | 32.78 |
| 23 05 23 00-0362 | EA | 1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction | 144.50 | 37.47 |
| 23 05 23 00-0363 | EA | 2" Single Poppet Foot Valve, Metal To Metal Seat Construction | 190.99 | 42.15 |
| 23 05 23 00-0364 | EA | 2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction | 439.03 | 69.09 |
| 23 05 23 00-0365 | EA | 3" Single Poppet Foot Valve, Metal To Metal Seat Construction | 561.92 | 84.31 |
| **23 05 23 00-0366** | | **Double Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0358)* | | |
| 23 05 23 00-0367 | EA | 1" Double Poppet Foot Valve, Metal To Metal Seat Construction | 98.55 | 29.28 |
| 23 05 23 00-0368 | EA | 1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction | 214.96 | 32.78 |
| 23 05 23 00-0369 | EA | 1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction | 203.79 | 37.47 |
| 23 05 23 00-0370 | EA | 2" Double Poppet Foot Valve, Metal To Metal Seat Construction | 277.91 | 42.15 |
| 23 05 23 00-0371 | EA | 3" Double Poppet Foot Valve, Metal To Metal Seat Construction | 546.80 | 69.09 |
| 23 05 23 00-0372 | EA | 4" Double Poppet Foot Valve, Metal To Metal Seat Construction | 744.79 | 83.15 |
| **23 05 23 00-0373** | | **Float Valves** *(23 05 23)* | | |
| **23 05 23 00-0374** | | **Float Valve Assembly For Maintaining Liquid Level In Tanks** *(23 05 23 00-0373)* | | |
| **23 05 23 00-0375** | | **Single Seat, Bronze Construction** *(23 05 23 00-0374)* | | |
| | | Note: For storage tanks, reservoirs, cooling towers and filtration plants. | | |
| 23 05 23 00-0376 | EA | Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve | 234.98 | 24.59 |
| 23 05 23 00-0377 | EA | Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve | 269.21 | 29.27 |
| 23 05 23 00-0378 | EA | Inlet Size 1", Maximum PSI 100, Single Seat Float Valve | 350.24 | 31.60 |
| 23 05 23 00-0379 | EA | Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve | 586.11 | 39.80 |
| 23 05 23 00-0380 | EA | Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve | 597.81 | 45.65 |
| **23 05 23 00-0381** | | **Double Seat, Bronze Construction** *(23 05 23 00-0374)* | | |
| | | Note: For hot or cold water or oil to open tanks. | | |
| 23 05 23 00-0382 | EA | Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve | 1,275.32 | 24.59 |
| 23 05 23 00-0383 | EA | Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve | 1,284.69 | 29.27 |
| 23 05 23 00-0384 | EA | Pipe Size 1" Maximum PSI 150, Double Seat Float Valve | 1,483.27 | 31.60 |
| 23 05 23 00-0385 | EA | Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve | 1,638.99 | 39.80 |
| 23 05 23 00-0386 | EA | Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve | 1,873.63 | 45.65 |
| 23 05 23 00-0387 | EA | Pipe Size 2" Maximum PSI 150, Double Seat Float Valve | 2,458.51 | 53.84 |
| 23 05 23 00-0388 | EA | Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve | 2,857.63 | 72.22 |
| 23 05 23 00-0389 | EA | Pipe Size 3" Maximum PSI 150, Double Seat Float Valve | 3,437.60 | 83.00 |
| **23 05 23 00-0390** | | **Float Valve Single Seated Balanced For Air Oil Or Water** *(23 05 23 00-0373)* | | |
| | | Note: Includes arm, ball and bracket. | | |
| **23 05 23 00-0391** | | **Brass Body Threaded Ends** *(23 05 23 00-0390)* | | |
| 23 05 23 00-0392 | EA | 1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket | 245.85 | 31.72 |
| 23 05 23 00-0393 | EA | 3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket | 278.03 | 35.24 |
| 23 05 23 00-0394 | EA | 1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket | 345.06 | 38.98 |
| 23 05 23 00-0395 | EA | 1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket | 551.45 | 62.98 |
| 23 05 23 00-0396 | EA | 1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket | 576.72 | 71.76 |
| 23 05 23 00-0397 | EA | 2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket | 648.18 | 88.96 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0398 | | **Cast Iron Body Flanged** *(23 05 23 00-0390)* | | |
| 23 05 23 00-0399 | EA | 2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket | 8,031.66 | 156.29 |
| 23 05 23 00-0400 | EA | 3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket | 9,712.01 | 183.25 |
| 23 05 23 00-0401 | | **Float Operated Valves** *(23 05 23 00-0373)* | | |
| 23 05 23 00-0402 | | **For Condensate Receivers Tanks And Vessels** *(23 05 23 00-0401)* | | |
| | | Note: Cast iron body, self-contained, float in-line mount. | | |
| 23 05 23 00-0403 | EA | 1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket | 890.09 | 55.01 |
| 23 05 23 00-0404 | | **For Condensate Receivers Tanks And Vessels** *(23 05 23 00-0401)* | | |
| | | Note: Cast iron body, external float tank mount, flanged. | | |
| 23 05 23 00-0405 | EA | 3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket | 1,116.58 | 102.40 |
| 23 05 23 00-0406 | | **Needle Valves** *(23 05 23)* | | |
| 23 05 23 00-0407 | | **Bronze Needle Valve** *(23 05 23 00-0406)* | | |
| | | Note: For heating and cooling applications. | | |
| 23 05 23 00-0408 | EA | 1/4" Needle Valve, Bronze | 121.93 | 11.71 |
| 23 05 23 00-0409 | EA | 3/8" Needle Valve, Bronze | 136.08 | 11.71 |
| 23 05 23 00-0410 | EA | 1/2" Needle Valve, Bronze | 148.95 | 11.71 |
| 23 05 23 00-0411 | EA | 3/4" Needle Valve, Bronze | 226.51 | 12.88 |
| 23 05 23 00-0412 | EA | 1" Needle Valve, Bronze | 348.08 | 14.63 |
| 23 05 23 00-0413 | | **Eccentric Valves With Taps** *(23 05 23)* | | |
| 23 05 23 00-0414 | | **Screwed Eccentric Valves With Taps** *(23 05 23 00-0413)* | | |
| 23 05 23 00-0415 | EA | 1/2" Diameter Eccentric Valves With Taps, Screwed | 369.02 | 11.71 |
| 23 05 23 00-0416 | EA | 3/4" Diameter Eccentric Valves With Taps, Screwed | 387.24 | 12.88 |
| 23 05 23 00-0417 | EA | 1" Diameter Eccentric Valves With Taps, Screwed | 489.69 | 14.63 |
| 23 05 23 00-0418 | EA | 1-1/4" Diameter Eccentric Valves With Taps, Screwed | 592.76 | 15.57 |
| 23 05 23 00-0419 | EA | 1-1/2" Diameter Eccentric Valves With Taps, Screwed | 645.53 | 18.02 |
| 23 05 23 00-0420 | EA | 2" Diameter Eccentric Valves With Taps, Screwed | 758.73 | 21.30 |
| 23 05 23 00-0421 | EA | 2-1/2" Diameter Eccentric Valves With Taps, Screwed | 1,152.78 | 28.78 |
| 23 05 23 00-0422 | EA | 3" Diameter Eccentric Valves With Taps, Screwed | 1,404.22 | 33.41 |
| 23 05 23 00-0423 | | **Flanged Eccentric Valves With Taps** *(23 05 23 00-0413)* | | |
| 23 05 23 00-0424 | EA | 2-1/2" Diameter Eccentric Valves With Taps, Flanged | 1,393.60 | 156.29 |
| 23 05 23 00-0425 | EA | 3" Diameter Eccentric Valves With Taps, Flanged | 1,656.29 | 183.25 |
| 23 05 23 00-0426 | EA | 4" Diameter Eccentric Valves With Taps, Flanged | 2,194.14 | 307.20 |
| 23 05 23 00-0427 | EA | 5" Diameter Eccentric Valves With Taps, Flanged | 2,974.98 | 342.01 |
| 23 05 23 00-0428 | EA | 6" Diameter Eccentric Valves With Taps, Flanged | 3,789.29 | 380.02 |
| 23 05 23 00-0429 | EA | 8" Diameter Eccentric Valves With Taps, Flanged | 6,591.28 | 485.58 |
| 23 05 23 00-0430 | EA | 10" Diameter Eccentric Valves With Taps, Flanged | 9,275.12 | 591.14 |
| 23 05 23 00-0431 | EA | 12" Diameter Eccentric Valves With Taps, Flanged | 16,056.97 | 717.80 |
| 23 05 23 00-0432 | | **Earthquake-Sensitive Gas Shut-Off Valves** *(23 05 23)* | | |
| 23 05 23 00-0433 | | **0.5 PSI Threaded Earthquake Gas Shutoff Valves** *(23 05 23 00-0432)* | | |
| 23 05 23 00-0434 | EA | 3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve | 170.69 | 12.88 |
| 23 05 23 00-0435 | EA | 1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve | 193.50 | 14.63 |
| 23 05 23 00-0436 | | **7 PSI Threaded Earthquake Gas Shutoff Valves** *(23 05 23 00-0432)* | | |
| 23 05 23 00-0437 | EA | 1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve | 226.42 | 15.57 |
| 23 05 23 00-0438 | EA | 1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve | 304.36 | 18.02 |
| 23 05 23 00-0439 | | **60 PSI Threaded Earthquake Gas Shutoff Valves** *(23 05 23 00-0432)* | | |
| 23 05 23 00-0440 | EA | 3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve | 210.26 | 12.88 |
| 23 05 23 00-0441 | EA | 1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve | 220.98 | 14.63 |
| 23 05 23 00-0442 | EA | 1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve | 248.40 | 15.57 |
| 23 05 23 00-0443 | EA | 1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve | 337.34 | 18.02 |
| 23 05 23 00-0444 | EA | 2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve | 765.87 | 21.30 |
| 23 05 23 00-0445 | EA | 2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve | 912.59 | 28.67 |
| 23 05 23 00-0446 | EA | 3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve | 1,182.50 | 33.41 |
| 23 05 23 00-0447 | EA | 4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve | 1,370.18 | 37.72 |
| 23 05 23 00-0448 | | **60 PSI Flanged Earthquake Gas Shutoff Valves** *(23 05 23 00-0432)* | | |
| 23 05 23 00-0449 | EA | 2" Flanged, 60 PSI Earthquake Gas Shutoff Valve | 1,074.37 | 156.04 |
| 23 05 23 00-0450 | EA | 3" Flanged, 60 PSI Earthquake Gas Shutoff Valve | 1,322.94 | 183.25 |
| 23 05 23 00-0451 | EA | 4" Flanged, 60 PSI Earthquake Gas Shutoff Valve | 1,868.75 | 307.20 |
| 23 05 23 00-0452 | EA | 6" Flanged, 60 PSI Earthquake Gas Shutoff Valve | 3,059.61 | 380.02 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0453 | EA | 8" Flanged, 60 PSI Earthquake Gas Shutoff Valve | 8,186.99 | 485.58 |
| 23 05 23 00-0454 | | Emergency Shut-Off Valve With Fusible Link *(23 05 23)* | | |
| 23 05 23 00-0455 | | Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) *(23 05 23 00-0454)* | | |
| | | Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F. | | |
| 23 05 23 00-0456 | EA | 1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series) | 86.52 | 18.85 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 23 05 23 00-0457 | EA | 3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series) | 88.35 | 19.89 |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 23 05 23 00-0458 | EA | 1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series) | 145.64 | 18.85 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 23 05 23 00-0459 | EA | 3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series) | 290.44 | 25.40 |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 23 05 23 00-0460 | EA | 1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series) | 740.75 | 30.79 |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-0461 | | Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(23 05 23 00-0454)* | | |
| | | Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring. | | |
| 23 05 23 00-0462 | EA | 1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) | 559.14 | 18.02 |
| 23 05 23 00-0463 | EA | 2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) | 601.97 | 21.30 |
| 23 05 23 00-0464 | EA | 3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) | 1,012.79 | 33.41 |
| 23 05 23 00-0465 | | Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(23 05 23 00-0454)* | | |
| | | Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring. | | |
| 23 05 23 00-0466 | EA | 2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) | 697.02 | 156.04 |
| 23 05 23 00-0467 | EA | 3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) | 1,128.88 | 183.25 |
| 23 05 23 00-0468 | EA | 4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) | 2,572.04 | 307.20 |
| 23 05 23 00-0469 | | Check Valves *(23 05 23)* | | |
| 23 05 23 00-0470 | | Iron Body Wafer Type Check Valve *(23 05 23 00-0469)* | | |
| 23 05 23 00-0471 | | Single Disk Type *(23 05 23 00-0470)* | | |
| 23 05 23 00-0472 | EA | 2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. | 478.67 | 156.10 |
| | | *For 150 Lb. Rating, Add* | *59.54* | |
| | | *For 200 Lb. Rating, Add* | *70.88* | |
| | | *For 300 Lb. Rating, Add* | *85.05* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *166.61* | |
| 23 05 23 00-0473 | EA | 2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. | 567.52 | 156.38 |
| | | *For 150 Lb. Rating, Add* | *78.00* | |
| | | *For 200 Lb. Rating, Add* | *92.86* | |
| | | *For 300 Lb. Rating, Add* | *111.43* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *206.36* | |
| 23 05 23 00-0474 | EA | 3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. | 698.96 | 183.35 |
| | | *For 150 Lb. Rating, Add* | *98.60* | |
| | | *For 200 Lb. Rating, Add* | *117.38* | |
| | | *For 300 Lb. Rating, Add* | *140.85* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *257.17* | |
| 23 05 23 00-0475 | EA | 4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. | 1,021.08 | 307.37 |
| | | *For 150 Lb. Rating, Add* | *133.54* | |
| | | *For 200 Lb. Rating, Add* | *158.98* | |
| | | *For 300 Lb. Rating, Add* | *190.77* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *363.19* | |
| 23 05 23 00-0476 | EA | 6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. | 1,535.28 | 431.40 |
| | | *For 150 Lb. Rating, Add* | *209.17* | |
| | | *For 200 Lb. Rating, Add* | *249.01* | |
| | | *For 300 Lb. Rating, Add* | *298.81* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *556.07* | |
| 23 05 23 00-0477 | EA | 8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. | 2,146.43 | 496.11 |
| | | *For 150 Lb. Rating, Add* | *320.99* | |
| | | *For 200 Lb. Rating, Add* | *382.14* | |
| | | *For 300 Lb. Rating, Add* | *458.56* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *811.42* | |
| 23 05 23 00-0478 | EA | 10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. | 3,201.85 | 603.96 |
| | | *For 150 Lb. Rating, Add* | *512.69* | |
| | | *For 200 Lb. Rating, Add* | *610.35* | |
| | | *For 300 Lb. Rating, Add* | *732.41* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *1,250.72* | |
| 23 05 23 00-0479 | | Twin Disc Type *(23 05 23 00-0470)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0480 | EA | 2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 673.81 | 156.10 |
| | | *For 150 Lb. Rating, Add* | *100.51* | |
| | | *For 200 Lb. Rating, Add* | *119.66* | |
| | | *For 300 Lb. Rating, Add* | *143.59* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *254.42* | |
| 23 05 23 00-0481 | EA | 2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 770.51 | 156.38 |
| | | *For 150 Lb. Rating, Add* | *120.63* | |
| | | *For 200 Lb. Rating, Add* | *143.61* | |
| | | *For 300 Lb. Rating, Add* | *172.33* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *297.71* | |
| 23 05 23 00-0482 | EA | 3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 899.68 | 183.35 |
| | | *For 150 Lb. Rating, Add* | *140.75* | |
| | | *For 200 Lb. Rating, Add* | *167.56* | |
| | | *For 300 Lb. Rating, Add* | *201.07* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *347.49* | |
| 23 05 23 00-0483 | EA | 4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 1,236.31 | 307.37 |
| | | *For 150 Lb. Rating, Add* | *178.74* | |
| | | *For 200 Lb. Rating, Add* | *212.78* | |
| | | *For 300 Lb. Rating, Add* | *255.34* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *460.04* | |
| 23 05 23 00-0484 | EA | 6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 1,911.72 | 431.40 |
| | | *For 150 Lb. Rating, Add* | *288.22* | |
| | | *For 200 Lb. Rating, Add* | *343.12* | |
| | | *For 300 Lb. Rating, Add* | *411.74* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *725.46* | |
| 23 05 23 00-0485 | EA | 8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 2,712.29 | 496.11 |
| | | *For 150 Lb. Rating, Add* | *440.16* | |
| | | *For 200 Lb. Rating, Add* | *524.00* | |
| | | *For 300 Lb. Rating, Add* | *628.80* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *1,066.46* | |
| 23 05 23 00-0486 | EA | 10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 4,074.68 | 593.17 |
| | | *For 150 Lb. Rating, Add* | *697.08* | |
| | | *For 200 Lb. Rating, Add* | *829.86* | |
| | | *For 300 Lb. Rating, Add* | *995.83* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *1,644.80* | |
| 23 05 23 00-0487 | EA | 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 5,361.30 | 733.37 |
| | | *For 150 Lb. Rating, Add* | *933.94* | |
| | | *For 200 Lb. Rating, Add* | *1,111.83* | |
| | | *For 300 Lb. Rating, Add* | *1,334.20* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *2,184.09* | |
| 23 05 23 00-0488 | EA | 14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 10,196.25 | 864.60 |
| | | *For 150 Lb. Rating, Add* | *1,899.12* | |
| | | *For 200 Lb. Rating, Add* | *2,260.86* | |
| | | *For 300 Lb. Rating, Add* | *2,713.04* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *4,300.11* | |
| 23 05 23 00-0489 | EA | 16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 14,035.34 | 1,014.47 |
| | | *For 150 Lb. Rating, Add* | *2,681.12* | |
| | | *For 200 Lb. Rating, Add* | *3,191.81* | |
| | | *For 300 Lb. Rating, Add* | *3,830.18* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *5,998.88* | |
| 23 05 23 00-0490 | EA | 18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 18,743.65 | 1,129.75 |
| | | *For 150 Lb. Rating, Add* | *3,640.28* | |
| | | *For 200 Lb. Rating, Add* | *4,333.67* | |
| | | *For 300 Lb. Rating, Add* | *5,200.40* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *8,082.40* | |
| 23 05 23 00-0491 | EA | 20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 22,315.22 | 1,268.09 |
| | | *For 150 Lb. Rating, Add* | *4,353.32* | |
| | | *For 200 Lb. Rating, Add* | *5,182.53* | |
| | | *For 300 Lb. Rating, Add* | *6,219.03* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *9,645.57* | |
| 23 05 23 00-0492 | EA | 24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. | 29,189.55 | 1,556.29 |
| | | *For 150 Lb. Rating, Add* | *5,720.12* | |
| | | *For 200 Lb. Rating, Add* | *6,809.66* | |
| | | *For 300 Lb. Rating, Add* | *8,171.60* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *12,647.57* | |

## 23 05 23 00-0493 Lift Check Valves *(23 05 23 00-0469)*

## 23 05 23 00-0494 Bronze Body, Threaded, Vertical Lift Check Valves *(23 05 23 00-0493)*

Note: Watts #600 series.

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0495 | EA | 3/8" Lift Check Valve, Bronze, Threaded | 125.40 | 11.71 |
| 23 05 23 00-0496 | EA | 1/2" Lift Check Valve, Bronze, Threaded | 132.71 | 11.71 |
| 23 05 23 00-0497 | EA | 3/4" Lift Check Valve, Bronze, Threaded | 169.14 | 12.29 |
| 23 05 23 00-0498 | EA | 1" Lift Check Valve, Bronze, Threaded | 223.00 | 12.29 |
| 23 05 23 00-0499 | EA | 1-1/4" Lift Check Valve, Bronze, Threaded | 309.37 | 15.57 |
| 23 05 23 00-0500 | EA | 1-1/2" Lift Check Valve, Bronze, Threaded | 376.47 | 18.02 |
| 23 05 23 00-0501 | EA | 2" Lift Check Valve, Bronze, Threaded | 537.08 | 21.30 |

## 23 05 23 00-0502 Bronze Body, Threaded, 300 Lb., Lift Check Valves *(23 05 23 00-0493)*

Note: Crane 366E.

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0503 | EA | 1/2" Lift Check Valve, Bronze, Threaded, 300 Lb. | 781.43 | 11.71 |
| 23 05 23 00-0504 | EA | 3/4" Lift Check Valve, Bronze, Threaded, 300 Lb. | 949.07 | 12.29 |
| 23 05 23 00-0505 | EA | 1" Lift Check Valve, Bronze, Threaded, 300 Lb. | 1,703.50 | 12.29 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0506 | EA | 1-1/4" Lift Check Valve, Bronze, Threaded, 300 Lb. | 2,270.44 | 15.57 |
| 23 05 23 00-0507 | EA | 1-1/2" Lift Check Valve, Bronze, Threaded, 300 Lb. | 2,465.96 | 18.02 |
| 23 05 23 00-0508 | EA | 2" Lift Check Valve, Bronze, Threaded, 300 Lb. | 3,168.00 | 21.30 |
| 23 05 23 00-0509 | | Iron Body, Flanged, 125 Lb. Vertical Lift Check Valves *(23 05 23 00-0493)* | | |
| | | Note: Mueller 105MAP. | | |
| 23 05 23 00-0510 | EA | 2" Lift Check Valve, Iron Body, Flanged, 125 Lb | 1,137.81 | 156.04 |
| 23 05 23 00-0511 | EA | 2-1/2" Lift Check Valve, Iron Body, Flanged, 125 Lb. | 2,120.63 | 156.29 |
| 23 05 23 00-0512 | EA | 3" Lift Check Valve, Iron Body, Flanged, 125 Lb | 2,304.56 | 183.25 |
| 23 05 23 00-0513 | EA | 4" Lift Check Valve, Iron Body, Flanged, 125 Lb | 3,173.75 | 307.20 |
| 23 05 23 00-0514 | EA | 5" Lift Check Valve, Iron Body, Flanged, 125 Lb | 4,014.30 | 342.01 |
| 23 05 23 00-0515 | EA | 6" Lift Check Valve, Iron Body, Flanged, 125 Lb | 4,970.86 | 380.02 |
| 23 05 23 00-0516 | EA | 8" Lift Check Valve, Iron Body, Flanged, 125 Lb | 8,828.79 | 485.58 |
| 23 05 23 00-0517 | EA | 10" Lift Check Valve, Iron Body, Flanged, 125 Lb | 11,095.38 | 591.14 |
| 23 05 23 00-0518 | EA | 12" Lift Check Valve, Iron Body, Flanged, 125 Lb | 18,125.87 | 717.80 |
| 23 05 23 00-0519 | EA | 14" Lift Check Valve, Iron Body, Flanged, 125 Lb | 24,747.31 | 1,017.44 |
| 23 05 23 00-0520 | EA | 16" Lift Check Valve, Iron Body, Flanged, 125 Lb | 27,427.60 | 1,119.19 |
| 23 05 23 00-0521 | | Bronze Body Swing Check Valves *(23 05 23 00-0469)* | | |
| 23 05 23 00-0522 | | Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves *(23 05 23 00-0521)* | | |
| 23 05 23 00-0523 | EA | 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. | 84.76 | 11.71 |
| | | *For 300 Lb. Rating, Add* | *18.33* | |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 23 05 23 00-0524 | EA | 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. | 81.09 | 11.71 |
| | | *For 300 Lb. Rating, Add* | *18.33* | |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 23 05 23 00-0525 | EA | 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. | 82.87 | 11.71 |
| | | *For 300 Lb. Rating, Add* | *18.33* | |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 23 05 23 00-0526 | EA | 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. | 86.60 | 11.71 |
| | | *For 300 Lb. Rating, Add* | *19.05* | |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 23 05 23 00-0527 | EA | 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. | 110.07 | 12.29 |
| | | *For 300 Lb. Rating, Add* | *23.08* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 23 05 23 00-0528 | EA | 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. | 141.97 | 12.29 |
| | | *For 300 Lb. Rating, Add* | *31.34* | |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-0529 | EA | 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. | 190.84 | 15.57 |
| | | *For 300 Lb. Rating, Add* | *43.99* | |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 05 23 00-0530 | EA | 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. | 248.01 | 18.02 |
| | | *For 300 Lb. Rating, Add* | *61.61* | |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 23 05 23 00-0531 | EA | 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. | 309.50 | 21.30 |
| | | *For 300 Lb. Rating, Add* | *79.21* | |
| | | *For Work In Restricted Working Space, Add* | *31.92* | |
| 23 05 23 00-0532 | EA | 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. | 610.59 | 28.78 |
| | | *For 300 Lb. Rating, Add* | *182.08* | |
| | | *For Work In Restricted Working Space, Add* | *43.12* | |
| 23 05 23 00-0533 | EA | 3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. | 829.84 | 33.41 |
| | | *For 300 Lb. Rating, Add* | *258.96* | |
| | | *For Work In Restricted Working Space, Add* | *49.75* | |
| 23 05 23 00-0534 | EA | 4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. | 940.03 | 37.72 |
| | | *For 300 Lb. Rating, Add* | *293.05* | |
| | | *For Work In Restricted Working Space, Add* | *56.59* | |
| 23 05 23 00-0535 | | 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves *(23 05 23 00-0469)* | | |
| 23 05 23 00-0536 | EA | 1" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 659.13 | 87.79 |
| | | *For 150 Lb. Rating, Add* | *373.12* | |
| | | *For 250 Lb. Rating, Add* | *713.31* | |
| | | *For Work In Restricted Working Space, Add* | *33.13* | |
| 23 05 23 00-0537 | EA | 1-1/4" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 731.74 | 102.42 |
| | | *For 150 Lb. Rating, Add* | *411.07* | |
| | | *For 250 Lb. Rating, Add* | *785.86* | |
| | | *For Work In Restricted Working Space, Add* | *38.17* | |
| 23 05 23 00-0538 | EA | 1-1/2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 809.67 | 122.91 |
| | | *For 150 Lb. Rating, Add* | *445.84* | |
| | | *For 250 Lb. Rating, Add* | *852.35* | |
| | | *For Work In Restricted Working Space, Add* | *46.21* | |
| 23 05 23 00-0539 | EA | 2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 1,009.40 | 156.04 |
| | | *For 150 Lb. Rating, Add* | *553.73* | |
| | | *For 250 Lb. Rating, Add* | *1,058.60* | |
| | | *For Work In Restricted Working Space, Add* | *58.53* | |
| 23 05 23 00-0540 | EA | 2-1/2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 1,146.34 | 156.29 |
| | | *For 150 Lb. Rating, Add* | *646.24* | |
| | | *For 250 Lb. Rating, Add* | *1,235.47* | |
| | | *For Work In Restricted Working Space, Add* | *58.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0541 | EA | 3" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 1,262.09 | 183.25 |
| | | *For 150 Lb. Rating, Add* | *702.27* | |
| | | *For 250 Lb. Rating, Add* | *1,342.58* | |
| | | *For Work In Restricted Working Space, Add* | *68.80* | |
| 23 05 23 00-0542 | EA | 4" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 1,981.02 | 307.20 |
| | | *For 150 Lb. Rating, Add* | *1,085.31* | |
| | | *For 250 Lb. Rating, Add* | *2,074.87* | |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0543 | EA | 5" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 2,770.18 | 342.01 |
| | | *For 150 Lb. Rating, Add* | *1,593.46* | |
| | | *For 250 Lb. Rating, Add* | *3,046.32* | |
| | | *For Work In Restricted Working Space, Add* | *128.06* | |
| 23 05 23 00-0544 | EA | 6" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 3,193.70 | 380.02 |
| | | *For 150 Lb. Rating, Add* | *1,847.54* | |
| | | *For 250 Lb. Rating, Add* | *3,532.06* | |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0545 | EA | 8" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 7,386.48 | 485.58 |
| | | *For 150 Lb. Rating, Add* | *4,612.63* | |
| | | *For 250 Lb. Rating, Add* | *8,818.26* | |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |
| 23 05 23 00-0546 | EA | 10" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 9,972.41 | 591.14 |
| | | *For 150 Lb. Rating, Add* | *6,278.77* | |
| | | *For 250 Lb. Rating, Add* | *12,003.54* | |
| | | *For Work In Restricted Working Space, Add* | *221.68* | |
| 23 05 23 00-0547 | EA | 12" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 15,294.84 | 717.80 |
| | | *For 150 Lb. Rating, Add* | *9,791.44* | |
| | | *For 250 Lb. Rating, Add* | *18,718.93* | |
| | | *For Work In Restricted Working Space, Add* | *268.70* | |
| 23 05 23 00-0548 | EA | 14" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 17,573.64 | 1,017.44 |
| | | *For 150 Lb. Rating, Add* | *11,085.25* | |
| | | *For 250 Lb. Rating, Add* | *21,192.39* | |
| | | *For Work In Restricted Working Space, Add* | *381.54* | |
| 23 05 23 00-0549 | EA | 16" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 25,142.51 | 1,119.19 |
| | | *For 150 Lb. Rating, Add* | *16,145.59* | |
| | | *For 250 Lb. Rating, Add* | *30,866.58* | |
| | | *For Work In Restricted Working Space, Add* | *419.70* | |
| 23 05 23 00-0550 | EA | 18" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 38,869.75 | 1,241.28 |
| | | *For 150 Lb. Rating, Add* | *25,376.34* | |
| | | *For 250 Lb. Rating, Add* | *48,513.58* | |
| | | *For Work In Restricted Working Space, Add* | *465.48* | |
| 23 05 23 00-0551 | EA | 20" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 53,689.32 | 1,398.99 |
| | | *For 150 Lb. Rating, Add* | *35,319.60* | |
| | | *For 250 Lb. Rating, Add* | *67,522.77* | |
| | | *For Work In Restricted Working Space, Add* | *524.62* | |
| 23 05 23 00-0552 | EA | 24" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves | 74,859.73 | 1,716.94 |
| | | *For 150 Lb. Rating, Add* | *49,445.23* | |
| | | *For 250 Lb. Rating, Add* | *94,527.64* | |
| | | *For Work In Restricted Working Space, Add* | *643.85* | |

## 23 05 23 00-0553 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0469)*

Note: 800 PSIG at 850 Degrees F.

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0554 | EA | 1/2" Class 800, Threaded, Forged Steel Swing Check Valve | 200.53 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 23 05 23 00-0555 | EA | 3/4" 800, Threaded, Forged Steel Swing Check Valve | 235.70 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| 23 05 23 00-0556 | EA | 1" Class 800, Threaded, Forged Steel Swing Check Valve | 278.64 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-0557 | EA | 1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve | 432.97 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 05 23 00-0558 | EA | 1-1/2" 800, Threaded, Forged Steel Swing Check Valve | 513.93 | 18.02 |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 23 05 23 00-0559 | EA | 2" Class 800, Threaded, Forged Steel Swing Check Valve | 696.46 | 21.30 |
| | | *For Work In Restricted Working Space, Add* | *31.92* | |

## 23 05 23 00-0560 Cast Iron Body, Wafer Type Silent Check Valve (Metraflex CVO-DINC) *(23 05 23 00-0469)*

Note: With nickel coated ductile iron trim

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0561 | EA | 2" Check Valve, Cast Iron Body Silent Wafer Type, 125 LB (Metraflex CVODINC702) | 634.06 | 156.10 |
| | | *For 150 Lb. Rating, Add* | *92.17* | |
| | | *For 200 Lb. Rating, Add* | *109.72* | |
| | | *For 300 Lb. Rating, Add* | *131.67* | |
| | | *For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add* | *236.53* | |

## 23 05 23 00-0562 Plastic Check Valve *(23 05 23 00-0469)*

## 23 05 23 00-0563 Polyvinyl Chloride (PVC) Check Valve *(23 05 23 00-0562)*

## 23 05 23 00-0564 Polyvinyl Chloride (PVC) "Y" Check Valve *(23 05 23 00-0563)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0565 | EA | 1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket | 95.78 | 11.71 |
| 23 05 23 00-0566 | EA | 3/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket | 113.19 | 12.88 |
| 23 05 23 00-0567 | EA | 1" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket | 129.99 | 14.63 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0568 | EA | 1-1/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket | 185.53 | 15.57 |
| 23 05 23 00-0569 | EA | 1-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket | 206.49 | 18.02 |
| 23 05 23 00-0570 | EA | 2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket | 341.29 | 19.62 |
| 23 05 23 00-0571 | EA | 2-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket | 431.36 | 28.78 |
| 23 05 23 00-0572 | EA | 3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket | 472.38 | 33.41 |
| 23 05 23 00-0573 | EA | 4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket | 690.25 | 37.72 |
| 23 05 23 00-0574 | EA | 3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Flanged | 659.30 | 183.25 |

## 23 05 23 00-0575 Polyvinyl Chloride (PVC) True Union Ball Check Valve *(23 05 23 00-0563)*

## 23 05 23 00-0576 Valves *(23 05 23 00-0575)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0577 | EA | 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve | 72.59 | 11.71 |
| 23 05 23 00-0578 | EA | 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve | 90.70 | 12.88 |
| 23 05 23 00-0579 | EA | 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve | 111.37 | 14.63 |
| 23 05 23 00-0580 | EA | 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve | 144.39 | 15.57 |
| 23 05 23 00-0581 | EA | 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve | 169.66 | 18.02 |
| 23 05 23 00-0582 | EA | 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve | 250.73 | 21.30 |
| 23 05 23 00-0583 | EA | 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve | 410.79 | 28.78 |
| 23 05 23 00-0584 | EA | 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve | 701.62 | 33.41 |

## 23 05 23 00-0585 Foot Valve Screen *(23 05 23 00-0575)*

Note: For use with PVC true union ball check valves above.

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0586 | EA | 1/2" Foot Valve Screen Option | 61.97 | |
| 23 05 23 00-0587 | EA | 3/4" Foot Valve Screen Option | 74.11 | |
| 23 05 23 00-0588 | EA | 1" Foot Valve Screen Option | 85.88 | |
| 23 05 23 00-0589 | EA | 1-1/4" Foot Valve Screen Option | 129.65 | |
| 23 05 23 00-0590 | EA | 1-1/2" Foot Valve Screen Option | 143.44 | |
| 23 05 23 00-0591 | EA | 2" Foot Valve Screen Option | 155.21 | |
| 23 05 23 00-0592 | EA | 2-1/2" Foot Valve Screen Option | 185.18 | |
| 23 05 23 00-0593 | EA | 3" Foot Valve Screen Option | 215.16 | |
| 23 05 23 00-0594 | EA | 4" Foot Valve Screen Option | 261.13 | |

## 23 05 23 00-0595 Hayward "True Check" With VITON Seals *(23 05 23 00-0575)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0596 | EA | 1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 65.61 | 11.71 |
| 23 05 23 00-0597 | EA | 3/8" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 67.39 | 11.71 |
| 23 05 23 00-0598 | EA | 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 73.42 | 11.71 |
| 23 05 23 00-0599 | EA | 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 90.62 | 12.88 |
| 23 05 23 00-0600 | EA | 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 112.54 | 14.63 |
| 23 05 23 00-0601 | EA | 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 144.31 | 15.57 |
| 23 05 23 00-0602 | EA | 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 174.64 | 18.02 |
| 23 05 23 00-0603 | EA | 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 219.21 | 21.30 |
| 23 05 23 00-0604 | EA | 2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 405.81 | 28.78 |
| 23 05 23 00-0605 | EA | 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 444.51 | 33.41 |
| 23 05 23 00-0606 | EA | 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 703.69 | 37.72 |

## 23 05 23 00-0607 Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0575)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0608 | EA | 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 69.28 | 11.71 |
| 23 05 23 00-0609 | EA | 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 86.55 | 12.88 |
| 23 05 23 00-0610 | EA | 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 106.90 | 14.63 |
| 23 05 23 00-0611 | EA | 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 138.17 | 15.57 |
| 23 05 23 00-0612 | EA | 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 163.36 | 18.02 |
| 23 05 23 00-0613 | EA | 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 209.26 | 21.30 |
| 23 05 23 00-0614 | EA | 2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 390.88 | 28.78 |
| 23 05 23 00-0615 | EA | 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 432.07 | 33.41 |
| 23 05 23 00-0616 | EA | 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded | 684.61 | 37.72 |

## 23 05 23 00-0617 Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged *(23 05 23 00-0563)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0618 | EA | 1" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing | 345.50 | 70.24 |
| 23 05 23 00-0619 | EA | 1-1/4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing | 376.33 | 81.93 |
| 23 05 23 00-0620 | EA | 1-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing | 413.26 | 102.42 |
| 23 05 23 00-0621 | EA | 2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing | 503.68 | 128.76 |
| 23 05 23 00-0622 | EA | 2-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing | 607.55 | 129.42 |
| 23 05 23 00-0623 | EA | 3" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing | 830.37 | 150.98 |
| 23 05 23 00-0624 | EA | 4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing | 1,146.86 | 256.14 |
| 23 05 23 00-0625 | EA | 6" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing | 1,884.10 | 431.40 |

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 23 05 23 00-0626 | | Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End Connections *(23 05 23 00-0562)* | | | |
| 23 05 23 00-0627 | EA | 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. | | 67.74 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | | *11.33* | |
| 23 05 23 00-0628 | EA | 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. | | 80.87 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | | *15.27* | |
| 23 05 23 00-0629 | EA | 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. | | 92.76 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | | *18.48* | |
| 23 05 23 00-0630 | EA | 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. | | 110.48 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | | *23.41* | |
| 23 05 23 00-0631 | EA | 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. | | 124.36 | 18.02 |
| | | *For Work In Restricted Working Space, Add* | | *27.01* | |
| 23 05 23 00-0632 | EA | 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. | | 159.77 | 21.30 |
| | | *For Work In Restricted Working Space, Add* | | *31.92* | |
| 23 05 23 00-0633 | EA | 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. | | 219.69 | 28.78 |
| | | *For Work In Restricted Working Space, Add* | | *43.12* | |
| 23 05 23 00-0634 | EA | 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. | | 264.41 | 33.41 |
| | | *For Work In Restricted Working Space, Add* | | *49.75* | |
| 23 05 23 00-0635 | | Polyvinyl Chloride (PVC) Body, Swing Check Valves *(23 05 23 00-0562)* | | | |
| 23 05 23 00-0636 | | Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0635)* | | | |
| 23 05 23 00-0637 | EA | 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals | | 655.29 | 150.90 |
| | | *For Work In Restricted Working Space, Add* | | *57.74* | |
| 23 05 23 00-0638 | EA | 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals | | 834.59 | 256.00 |
| | | *For Work In Restricted Working Space, Add* | | *95.11* | |
| 23 05 23 00-0639 | EA | 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals | | 1,345.34 | 316.68 |
| | | *For Work In Restricted Working Space, Add* | | *130.40* | |
| 23 05 23 00-0640 | EA | 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals | | 1,794.44 | 401.12 |
| | | *For Work In Restricted Working Space, Add* | | *147.78* | |
| 23 05 23 00-0641 | | Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals *(23 05 23 00-0635)* | | | |
| 23 05 23 00-0642 | EA | 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals | | 774.72 | 150.90 |
| | | *For Work In Restricted Working Space, Add* | | *57.74* | |
| 23 05 23 00-0643 | EA | 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals | | 1,098.33 | 256.00 |
| | | *For Work In Restricted Working Space, Add* | | *95.11* | |
| 23 05 23 00-0644 | EA | 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals | | 1,595.16 | 316.68 |
| | | *For Work In Restricted Working Space, Add* | | *130.40* | |
| 23 05 23 00-0645 | EA | 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals | | 2,093.02 | 401.12 |
| | | *For Work In Restricted Working Space, Add* | | *147.78* | |
| 23 05 23 00-0646 | | Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights *(23 05 23 00-0635)* | | | |
| 23 05 23 00-0647 | EA | 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights | | 806.24 | 150.90 |
| | | *For Work In Restricted Working Space, Add* | | *57.74* | |
| 23 05 23 00-0648 | EA | 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights | | 1,100.82 | 256.00 |
| | | *For Work In Restricted Working Space, Add* | | *95.11* | |
| 23 05 23 00-0649 | EA | 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights | | 1,484.68 | 316.68 |
| | | *For Work In Restricted Working Space, Add* | | *130.40* | |
| 23 05 23 00-0650 | EA | 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights | | 1,909.23 | 401.12 |
| | | *For Work In Restricted Working Space, Add* | | *147.78* | |
| 23 05 23 00-0651 | | Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights *(23 05 23 00-0635)* | | | |
| 23 05 23 00-0652 | EA | 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights | | 905.76 | 150.90 |
| | | *For Work In Restricted Working Space, Add* | | *57.74* | |
| 23 05 23 00-0653 | EA | 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights | | 1,245.97 | 256.00 |
| | | *For Work In Restricted Working Space, Add* | | *95.11* | |
| 23 05 23 00-0654 | EA | 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights | | 1,692.03 | 316.68 |
| | | *For Work In Restricted Working Space, Add* | | *130.40* | |
| 23 05 23 00-0655 | EA | 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights | | 2,158.05 | 401.12 |
| | | *For Work In Restricted Working Space, Add* | | *147.78* | |
| 23 05 23 00-0656 | | Diaphragm Valves *(23 05 23)* | | | |
| 23 05 23 00-0657 | | Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0656)* | | | |
| 23 05 23 00-0658 | EA | 1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | | 295.97 | 35.03 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0659 | EA | 3/4" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 380.88 | 38.80 |
| 23 05 23 00-0660 | EA | 1" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 411.58 | 47.97 |
| 23 05 23 00-0661 | EA | 1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 654.42 | 71.68 |
| 23 05 23 00-0662 | EA | 2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 1,060.83 | 86.23 |
| 23 05 23 00-0663 | | Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0656)* | | |
| 23 05 23 00-0664 | EA | 1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 476.48 | 56.19 |
| 23 05 23 00-0665 | EA | 3/4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 559.71 | 58.53 |
| 23 05 23 00-0666 | EA | 1" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 652.82 | 87.79 |
| 23 05 23 00-0667 | EA | 1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 997.70 | 122.91 |
| 23 05 23 00-0668 | EA | 2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 1,624.23 | 156.04 |
| 23 05 23 00-0669 | EA | 2-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 2,113.74 | 156.29 |
| 23 05 23 00-0670 | EA | 3" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 2,635.62 | 183.25 |
| 23 05 23 00-0671 | EA | 4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 3,688.23 | 307.20 |
| 23 05 23 00-0672 | EA | 6" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 7,877.23 | 380.02 |
| 23 05 23 00-0673 | EA | 8" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated | 12,338.58 | 485.58 |
| 23 05 23 00-0674 | | Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0656)* | | |
| 23 05 23 00-0675 | EA | 1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 178.34 | 35.03 |
| 23 05 23 00-0676 | EA | 3/4" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 235.38 | 38.80 |
| 23 05 23 00-0677 | EA | 1" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 266.08 | 47.97 |
| 23 05 23 00-0678 | EA | 1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 456.29 | 71.68 |
| 23 05 23 00-0679 | EA | 2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 599.59 | 86.23 |
| 23 05 23 00-0680 | | Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0656)* | | |
| 23 05 23 00-0681 | EA | 1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 306.99 | 56.19 |
| 23 05 23 00-0682 | EA | 3/4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 357.44 | 58.53 |
| 23 05 23 00-0683 | EA | 1" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 450.51 | 87.79 |
| 23 05 23 00-0684 | EA | 1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 722.23 | 122.91 |
| 23 05 23 00-0685 | EA | 2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 982.82 | 156.04 |
| 23 05 23 00-0686 | EA | 2-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 1,223.01 | 156.29 |
| 23 05 23 00-0687 | EA | 3" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 1,494.91 | 183.25 |
| 23 05 23 00-0688 | EA | 4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 2,343.59 | 307.20 |
| 23 05 23 00-0689 | EA | 6" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 4,864.74 | 380.02 |
| 23 05 23 00-0690 | EA | 8" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated | 7,560.51 | 485.58 |
| 23 05 23 00-0691 | | 125 Lb., Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0656)* | | |
| 23 05 23 00-0692 | EA | 1" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve | 591.88 | 87.79 |
| 23 05 23 00-0693 | EA | 1-1/2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve | 975.32 | 122.91 |
| 23 05 23 00-0694 | EA | 2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve | 1,320.82 | 156.04 |
| 23 05 23 00-0695 | EA | 2-1/2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve | 1,951.81 | 156.29 |
| 23 05 23 00-0696 | EA | 3" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve | 2,148.00 | 183.25 |
| 23 05 23 00-0697 | EA | 4" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve | 3,351.47 | 307.20 |
| 23 05 23 00-0698 | EA | 6" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve | 6,919.47 | 380.02 |
| 23 05 23 00-0699 | EA | 8" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve | 14,635.57 | 485.58 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0700 | | Plastic Diaphragm Valves *(23 05 23 00-0656)* | | |
| 23 05 23 00-0701 | | Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valves *(23 05 23 00-0700)* | | |
| 23 05 23 00-0702 | EA | 1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314) | 191.09 | 35.03 |
| 23 05 23 00-0703 | EA | 3/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314) | 213.54 | 38.70 |
| 23 05 23 00-0704 | EA | 1" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314) | 270.00 | 47.97 |
| 23 05 23 00-0705 | EA | 1-1/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314) | 391.03 | 61.98 |
| 23 05 23 00-0706 | EA | 1-1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314) | 412.37 | 71.79 |
| 23 05 23 00-0707 | EA | 2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314) | 484.26 | 86.23 |
| 23 05 23 00-0708 | | Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valves *(23 05 23 00-0700)* | | |
| 23 05 23 00-0709 | EA | 1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) | 267.40 | 35.03 |
| 23 05 23 00-0710 | EA | 3/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) | 291.51 | 38.70 |
| 23 05 23 00-0711 | EA | 1" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) | 371.19 | 47.97 |
| 23 05 23 00-0712 | EA | 1-1/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) | 480.60 | 61.98 |
| 23 05 23 00-0713 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) | 538.43 | 71.79 |
| 23 05 23 00-0714 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) | 587.11 | 86.23 |
| 23 05 23 00-0715 | | Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0700)* | | |
| 23 05 23 00-0716 | | Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0715)* | | |
| 23 05 23 00-0717 | EA | 1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 134.50 | 35.03 |
| 23 05 23 00-0718 | EA | 3/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 150.60 | 38.80 |
| 23 05 23 00-0719 | EA | 1" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 187.20 | 47.97 |
| 23 05 23 00-0720 | EA | 1-1/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 263.33 | 61.98 |
| 23 05 23 00-0721 | EA | 1-1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 282.73 | 71.68 |
| 23 05 23 00-0722 | EA | 2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 337.64 | 86.23 |
| 23 05 23 00-0723 | | Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0715)* | | |
| 23 05 23 00-0724 | EA | 1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 134.50 | 35.03 |
| 23 05 23 00-0725 | EA | 3/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 150.60 | 38.80 |
| 23 05 23 00-0726 | EA | 1" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 187.50 | 47.97 |
| 23 05 23 00-0727 | EA | 1-1/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 263.33 | 61.98 |
| 23 05 23 00-0728 | EA | 1-1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 282.73 | 71.68 |
| 23 05 23 00-0729 | EA | 2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 337.64 | 86.23 |
| 23 05 23 00-0730 | | Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0700)* | | |
| 23 05 23 00-0731 | | Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0730)* | | |
| 23 05 23 00-0732 | EA | 1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 121.59 | 35.03 |
| 23 05 23 00-0733 | EA | 3/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 135.63 | 38.80 |
| 23 05 23 00-0734 | EA | 1" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 168.92 | 47.97 |
| 23 05 23 00-0735 | EA | 1-1/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 235.46 | 61.98 |
| 23 05 23 00-0736 | EA | 1-1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 254.86 | 71.68 |
| 23 05 23 00-0737 | EA | 2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 304.62 | 86.23 |
| 23 05 23 00-0738 | | Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0730)* | | |
| 23 05 23 00-0739 | EA | 1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 121.59 | 35.03 |
| 23 05 23 00-0740 | EA | 3/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 135.63 | 38.80 |
| 23 05 23 00-0741 | EA | 1" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 168.92 | 47.97 |
| 23 05 23 00-0742 | EA | 1-1/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 235.46 | 61.98 |
| 23 05 23 00-0743 | EA | 1-1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 254.86 | 71.68 |
| 23 05 23 00-0744 | EA | 2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 304.62 | 86.23 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0745 | | Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0700)* | | |
| 23 05 23 00-0746 | | Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0745)* | | |
| 23 05 23 00-0747 | EA | 1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 153.81 | 35.03 |
| 23 05 23 00-0748 | EA | 3/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 166.70 | 38.80 |
| 23 05 23 00-0749 | EA | 1" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 227.06 | 47.97 |
| 23 05 23 00-0750 | EA | 1-1/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 302.58 | 61.98 |
| 23 05 23 00-0751 | EA | 1-1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 321.98 | 71.68 |
| 23 05 23 00-0752 | EA | 2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 390.31 | 86.23 |
| 23 05 23 00-0753 | | Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0745)* | | |
| 23 05 23 00-0754 | EA | 1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 153.81 | 35.03 |
| 23 05 23 00-0755 | EA | 3/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 166.70 | 38.80 |
| 23 05 23 00-0756 | EA | 1" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 227.06 | 47.97 |
| 23 05 23 00-0757 | EA | 1-1/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 302.55 | 61.98 |
| 23 05 23 00-0758 | EA | 1-1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 321.98 | 71.68 |
| 23 05 23 00-0759 | EA | 2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve | 390.31 | 86.23 |
| 23 05 23 00-0760 | | Solenoid Valves *(23 05 23)* | | |
| 23 05 23 00-0761 | | Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure *(23 05 23 00-0760)* | | |
| 23 05 23 00-0762 | EA | 1/4" Solenoid Valve, Bronze, 150 PSI, Water | 140.85 | 11.71 |
| 23 05 23 00-0763 | EA | 1/2" Solenoid Valve, Bronze, 150 PSI, Water | 163.64 | 11.71 |
| 23 05 23 00-0764 | EA | 3/4" Solenoid Valve, Bronze, 150 PSI, Water | 209.20 | 12.88 |
| 23 05 23 00-0765 | EA | 1" Solenoid Valve, Bronze, 150 PSI, Water | 309.56 | 14.63 |
| 23 05 23 00-0766 | EA | 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water | 547.79 | 18.02 |
| 23 05 23 00-0767 | EA | 2" Solenoid Valve, Bronze, 150 PSI, Water | 861.12 | 21.30 |
| 23 05 23 00-0768 | EA | 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water | 1,173.01 | 28.78 |
| 23 05 23 00-0769 | EA | 3" Solenoid Valve, Bronze, 150 PSI, Water | 1,705.80 | 33.41 |
| 23 05 23 00-0770 | | Flow Control Valves And Meters *(23 05 23)* | | |
| 23 05 23 00-0771 | | Conditioned Water Balancing Valves *(23 05 23 00-0770)*<br>Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter. | | |
| 23 05 23 00-0772 | EA | 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 178.08 | 59.72 |
| 23 05 23 00-0773 | EA | 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 212.64 | 79.63 |
| 23 05 23 00-0774 | EA | 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 1,417.18 | 90.99 |
| 23 05 23 00-0775 | EA | 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 1,524.34 | 112.42 |
| 23 05 23 00-0776 | EA | 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 1,632.25 | 119.45 |
| 23 05 23 00-0777 | EA | 2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 1,745.11 | 136.54 |
| 23 05 23 00-0778 | EA | 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 3,099.15 | 237.70 |
| 23 05 23 00-0779 | EA | 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 2,983.37 | 271.67 |
| 23 05 23 00-0780 | EA | 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 3,360.71 | 183.35 |
| 23 05 23 00-0781 | EA | 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 4,645.48 | 307.37 |
| 23 05 23 00-0782 | EA | 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 7,278.98 | 388.26 |
| 23 05 23 00-0783 | EA | 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 9,832.43 | 496.11 |
| 23 05 23 00-0784 | EA | 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG | 14,078.94 | 603.96 |
| 23 05 23 00-0785 | | Read Out Meters *(23 05 23 00-0770)*<br>Note: For use with conditioned portable water balancing valves. | | |
| 23 05 23 00-0786 | EA | 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve | 1,402.49 | |
| 23 05 23 00-0787 | EA | 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve | 1,897.99 | |
| 23 05 23 00-0788 | EA | 0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve | 1,897.99 | |
| 23 05 23 00-0789 | EA | 0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve | 1,897.99 | |
| 23 05 23 00-0790 | | Balancing Valves *(23 05 23)* | | |
| 23 05 23 00-0791 | | Balancing Valves With Lever *(23 05 23 00-0790)*<br>Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections. | | |
| 23 05 23 00-0792 | EA | 1/2" Threaded Balancing Valve With Lever | 432.21 | 36.88 |
| 23 05 23 00-0793 | EA | 3/4" Threaded Balancing Valve With Lever | 465.83 | 48.60 |
| 23 05 23 00-0794 | EA | 1" Threaded Balancing Valve With Lever | 650.94 | 55.63 |
| 23 05 23 00-0795 | EA | 1-1/4" Threaded Balancing Valve With Lever | 698.30 | 69.09 |
| 23 05 23 00-0796 | EA | 1-1/2" Threaded Balancing Valve With Lever | 733.08 | 73.18 |
| 23 05 23 00-0797 | EA | 2" Threaded Balancing Valve With Lever | 901.90 | 83.73 |
| 23 05 23 00-0798 | EA | 2-1/2" Flanged Balancing Valve With Lever | 1,214.10 | 156.38 |
| 23 05 23 00-0799 | EA | 3" Flanged Balancing Valve With Lever | 1,213.92 | 183.35 |
| 23 05 23 00-0800 | EA | 4" Flanged Balancing Valve With Lever | 1,503.88 | 307.37 |
| 23 05 23 00-0801 | EA | 5" Flanged Balancing Valve With Lever | 4,581.52 | 349.43 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0802 | EA | 6" Flanged Balancing Valve With Lever | 2,221.04 | 388.26 |
| 23 05 23 00-0803 | EA | 8" Flanged Balancing Valve With Lever | 2,941.93 | 496.11 |
| **23 05 23 00-0804** | | **Balancing Valves With Nut** *(23 05 23 00-0790)* | | |
| | | Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections. | | |
| 23 05 23 00-0805 | EA | 4" Flanged Balancing Valve With Nut | 1,503.88 | 307.37 |
| 23 05 23 00-0806 | EA | 5" Flanged Balancing Valve With Nut | 4,581.52 | 349.43 |
| 23 05 23 00-0807 | EA | 6" Flanged Balancing Valve With Nut | 2,221.04 | 388.26 |
| 23 05 23 00-0808 | EA | 8" Flanged Balancing Valve With Nut | 2,941.93 | 496.11 |
| **23 05 23 00-0809** | | **Balancing Valves With Hand Wheel** *(23 05 23 00-0790)* | | |
| | | Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections. | | |
| 23 05 23 00-0810 | EA | 4" Flanged Balancing Valve With Hand Wheel | 2,069.44 | 307.37 |
| 23 05 23 00-0811 | EA | 5" Flanged Balancing Valve With Hand Wheel | 5,179.41 | 349.43 |
| 23 05 23 00-0812 | EA | 6" Flanged Balancing Valve With Hand Wheel | 2,820.17 | 388.26 |
| 23 05 23 00-0813 | EA | 8" Flanged Balancing Valve With Hand Wheel | 4,004.70 | 496.11 |
| 23 05 23 00-0814 | EA | 10" Flanged Balancing Valve With Hand Wheel | 6,190.58 | 603.96 |
| 23 05 23 00-0815 | EA | 12" Flanged Balancing Valve With Hand Wheel | 8,109.25 | 489.14 |
| 23 05 23 00-0816 | EA | 14" Flanged Balancing Valve With Hand Wheel | 10,621.97 | 922.25 |
| **23 05 23 00-0817** | | **Balancing Valves With Chain Wheel** *(23 05 23 00-0790)* | | |
| | | Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections. | | |
| 23 05 23 00-0818 | EA | 4" Flanged Balancing Valve With Chain Wheel | 2,393.87 | 307.37 |
| 23 05 23 00-0819 | EA | 5" Flanged Balancing Valve With Chain Wheel | 5,498.86 | 349.43 |
| 23 05 23 00-0820 | EA | 6" Flanged Balancing Valve With Chain Wheel | 3,138.38 | 388.26 |
| 23 05 23 00-0821 | EA | 8" Flanged Balancing Valve With Chain Wheel | 4,396.24 | 496.11 |
| 23 05 23 00-0822 | EA | 10" Flanged Balancing Valve With Chain Wheel | 6,570.94 | 603.96 |
| 23 05 23 00-0823 | EA | 12" Flanged Balancing Valve With Chain Wheel | 8,819.30 | 488.79 |
| 23 05 23 00-0824 | EA | 14" Flanged Balancing Valve With Chain Wheel | 11,264.60 | 922.25 |
| **23 05 23 00-0825** | | **Calibrated Balancing Valves** *(23 05 23 00-0790)* | | |
| | | Note: Bell & Gossett CB Series. | | |
| 23 05 23 00-0826 | EA | 1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S) | 148.15 | 11.71 |
| 23 05 23 00-0827 | EA | 3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S) | 173.67 | 12.88 |
| 23 05 23 00-0828 | EA | 1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S) | 196.20 | 14.63 |
| 23 05 23 00-0829 | EA | 1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S) | 274.82 | 15.57 |
| 23 05 23 00-0830 | EA | 1-1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/2S) | 322.69 | 18.03 |
| 23 05 23 00-0831 | EA | 2" Brazed Or Soldered Calibrated Balancing Valve (CB-2S) | 433.80 | 21.31 |
| 23 05 23 00-0832 | EA | 1" Threaded Calibrated Balancing Valve (CB-1) | 225.85 | 14.63 |
| 23 05 23 00-0833 | EA | 1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4) | 308.04 | 15.57 |
| 23 05 23 00-0834 | EA | 1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2) | 344.73 | 18.03 |
| 23 05 23 00-0835 | EA | 2" Threaded Calibrated Balancing Valve (CB-2) | 464.77 | 21.31 |
| 23 05 23 00-0836 | EA | 2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2) | 654.30 | 31.26 |
| 23 05 23 00-0837 | EA | 3" Threaded Calibrated Balancing Valve (CB-3) | 1,145.40 | 36.30 |
| 23 05 23 00-0838 | EA | 2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F) | 1,078.77 | 169.80 |
| 23 05 23 00-0839 | EA | 3" Flanged Calibrated Balancing Valve (CB-3F) | 1,880.34 | 199.08 |
| 23 05 23 00-0840 | EA | 4" Flanged Calibrated Balancing Valve (CB-4F) | 2,820.00 | 333.74 |
| 23 05 23 00-0841 | EA | 5" Flanged Calibrated Balancing Valve (CB-5F) | 3,896.39 | 379.41 |
| 23 05 23 00-0842 | EA | 6" Flanged Calibrated Balancing Valve (CB-6F) | 4,939.21 | 421.57 |
| 23 05 23 00-0843 | EA | 8" Flanged Calibrated Balancing Valve (CB-8F) | 7,827.78 | 538.67 |
| 23 05 23 00-0844 | EA | 10" Flanged Calibrated Balancing Valve (CB-10F) | 12,860.48 | 645.57 |
| 23 05 23 00-0845 | EA | 12" Flanged Calibrated Balancing Valve (CB-12F) | 27,213.07 | 783.91 |
| 23 05 23 00-0846 | EA | 4" Grooved Calibrated Balancing Valve (CB-4G) | 3,256.89 | 40.31 |
| 23 05 23 00-0847 | EA | 5" Grooved Calibrated Balancing Valve (CB-5G) | 3,780.29 | 53.84 |
| 23 05 23 00-0848 | EA | 6" Grooved Calibrated Balancing Valve (CB-6G) | 5,003.75 | 69.04 |
| 23 05 23 00-0849 | EA | 8" Grooved Calibrated Balancing Valve (CB-8G) | 9,386.86 | 87.62 |
| 23 05 23 00-0850 | EA | 10" Grooved Calibrated Balancing Valve (CB-10G) | 14,983.58 | 98.17 |
| 23 05 23 00-0851 | EA | 12" Grooved Calibrated Balancing Valve (CB-12G) | 30,894.91 | 119.70 |
| **23 05 23 00-0852** | | **Butterfly Valves** *(23 05 23)* | | |
| **23 05 23 00-0853** | | **Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves** *(23 05 23 00-0852)* | | |
| | | Note: With on-off handle | | |
| 23 05 23 00-0854 | EA | 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type | 511.77 | 156.04 |
| | | *For 200 PSI, Add* | *152.01* | |
| | | *For Work In Restricted Working Space, Add* | *58.53* | |
| 23 05 23 00-0855 | EA | 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type | 531.08 | 156.29 |
| | | *For 200 PSI, Add* | *160.85* | |
| | | *For Work In Restricted Working Space, Add* | *58.79* | |
| 23 05 23 00-0856 | EA | 3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type | 590.21 | 183.25 |
| | | *For 200 PSI, Add* | *173.22* | |
| | | *For Work In Restricted Working Space, Add* | *68.80* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0857 | EA | 4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type | 837.90 | 307.20 |
| | | *For 200 PSI, Add* | *217.41* | |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0858 | EA | 5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type | 1,121.14 | 380.02 |
| | | *For 200 PSI, Add* | *309.32* | |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0859 | EA | 6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type | 1,315.83 | 422.24 |
| | | *For 200 PSI, Add* | *378.25* | |
| | | *For Work In Restricted Working Space, Add* | *158.34* | |
| 23 05 23 00-0860 | EA | 8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type | 1,788.92 | 485.58 |
| | | *For 200 PSI, Add* | *569.15* | |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |
| 23 05 23 00-0861 | EA | 10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type | 3,036.72 | 591.14 |
| | | *For 200 PSI, Add* | *1,102.94* | |
| | | *For Work In Restricted Working Space, Add* | *221.68* | |
| 23 05 23 00-0862 | EA | 12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type | 3,823.14 | 717.80 |
| | | *For 200 PSI, Add* | *1,405.19* | |
| | | *For Work In Restricted Working Space, Add* | *268.70* | |

### 23 05 23 00-0863 Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves *(23 05 23 00-0852)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0864 | EA | 2" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve | 1,064.13 | 156.04 |
| | | *For Work In Restricted Working Space, Add* | *58.53* | |
| 23 05 23 00-0865 | EA | 2-1/2" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve | 1,072.38 | 156.29 |
| | | *For Work In Restricted Working Space, Add* | *58.79* | |
| 23 05 23 00-0866 | EA | 3" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve | 1,149.93 | 183.25 |
| | | *For Work In Restricted Working Space, Add* | *68.80* | |
| 23 05 23 00-0867 | EA | 4" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve | 1,423.40 | 307.20 |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0868 | EA | 5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI | 1,769.24 | 380.02 |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0869 | EA | 6" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve | 1,960.04 | 422.24 |
| | | *For Work In Restricted Working Space, Add* | *158.34* | |
| 23 05 23 00-0870 | EA | 8" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve | 2,459.11 | 485.58 |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |
| 23 05 23 00-0871 | EA | 10" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve | 3,136.14 | 591.14 |
| | | *For Work In Restricted Working Space, Add* | *221.68* | |
| 23 05 23 00-0872 | EA | 12" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve | 4,379.18 | 717.80 |
| | | *For Work In Restricted Working Space, Add* | *268.70* | |

### 23 05 23 00-0873 Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valves *(23 05 23 00-0852)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0874 | EA | 14" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve | 7,490.29 | 953.86 |
| | | *For 200 PSI, Add* | *2,238.66* | |
| | | *For Work In Restricted Working Space, Add* | *381.54* | |
| 23 05 23 00-0875 | EA | 16" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve | 9,753.45 | 1,119.19 |
| | | *For 200 PSI, Add* | *3,007.61* | |
| | | *For Work In Restricted Working Space, Add* | *419.70* | |
| 23 05 23 00-0876 | EA | 18" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve | 13,967.08 | 1,246.37 |
| | | *For 200 PSI, Add* | *4,468.55* | |
| | | *For Work In Restricted Working Space, Add* | *466.33* | |
| 23 05 23 00-0877 | EA | 20" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve | 18,165.95 | 1,398.99 |
| | | *For 200 PSI, Add* | *5,910.20* | |
| | | *For Work In Restricted Working Space, Add* | *524.62* | |
| 23 05 23 00-0878 | EA | 24" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve | 24,568.70 | 1,716.94 |
| | | *For 200 PSI, Add* | *8,069.91* | |
| | | *For Work In Restricted Working Space, Add* | *645.68* | |
| 23 05 23 00-0879 | EA | 30" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve | 51,577.61 | 2,717.75 |
| | | *For 200 PSI, Add* | *17,322.71* | |
| | | *For Work In Restricted Working Space, Add* | *1,037.69* | |
| 23 05 23 00-0880 | EA | 36" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve | 65,461.67 | 3,706.02 |
| | | *For 200 PSI, Add* | *22,009.67* | |
| | | *For Work In Restricted Working Space, Add* | *1,297.11* | |
| 23 05 23 00-0881 | EA | 42" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve | 78,007.56 | 5,435.51 |
| | | *For 200 PSI, Add* | *25,688.06* | |
| | | *For Work In Restricted Working Space, Add* | *1,995.55* | |
| 23 05 23 00-0882 | EA | 48" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve | 94,243.28 | 6,794.38 |
| | | *For 200 PSI, Add* | *30,814.52* | |
| | | *For Work In Restricted Working Space, Add* | *2,594.22* | |
| 23 05 23 00-0883 | EA | 54" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve | 113,455.25 | 8,153.25 |
| | | *For 200 PSI, Add* | *36,952.56* | |
| | | *For Work In Restricted Working Space, Add* | *3,242.77* | |

### 23 05 23 00-0884 Plastic Butterfly Valves *(23 05 23 00-0852)*

### 23 05 23 00-0885 Polyvinyl Chloride (PVC) Butterfly Valves, With Operator *(23 05 23 00-0884)*

### 23 05 23 00-0886 Polyvinyl Chloride (PVC) Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 05 23 00-0885)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0887 | EA | 1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 238.66 | 102.42 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0888 | EA | 2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 274.01 | 128.76 |
| 23 05 23 00-0889 | EA | 3" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 315.26 | 150.90 |
| 23 05 23 00-0890 | EA | 4" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 459.42 | 256.00 |
| 23 05 23 00-0891 | EA | 6" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 649.27 | 316.68 |
| 23 05 23 00-0892 | EA | 8" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 875.40 | 401.12 |
| 23 05 23 00-0893 | EA | 10" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 1,376.18 | 475.02 |
| 23 05 23 00-0894 | EA | 12" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 1,790.30 | 580.58 |
| **23 05 23 00-0895** | | **Polyvinyl Chloride (PVC) Butterfly Valves, Viton Liner And Seals** *(23 05 23 00-0885)* | | |
| 23 05 23 00-0896 | EA | 1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 359.38 | 102.42 |
| 23 05 23 00-0897 | EA | 2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 394.73 | 128.76 |
| 23 05 23 00-0898 | EA | 3" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 458.68 | 150.90 |
| 23 05 23 00-0899 | EA | 4" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 639.99 | 256.00 |
| 23 05 23 00-0900 | EA | 6" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 963.96 | 316.68 |
| 23 05 23 00-0901 | EA | 8" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 1,387.16 | 401.12 |
| 23 05 23 00-0902 | EA | 10" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 2,552.40 | 475.02 |
| 23 05 23 00-0903 | EA | 12" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 3,390.58 | 580.58 |
| **23 05 23 00-0904** | | **Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, With Operator** *(23 05 23 00-0884)* | | |
| **23 05 23 00-0905** | | **Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals** *(23 05 23 00-0904)* | | |
| 23 05 23 00-0906 | EA | 2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 284.53 | 128.76 |
| 23 05 23 00-0907 | EA | 2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 292.28 | 129.35 |
| 23 05 23 00-0908 | EA | 3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 322.74 | 150.90 |
| 23 05 23 00-0909 | EA | 4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 457.84 | 256.00 |
| 23 05 23 00-0910 | EA | 6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 643.10 | 316.68 |
| 23 05 23 00-0911 | EA | 8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 961.00 | 401.12 |
| 23 05 23 00-0912 | EA | 10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 1,507.45 | 475.02 |
| 23 05 23 00-0913 | EA | 12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 1,937.50 | 580.58 |
| **23 05 23 00-0914** | | **Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Viton Liner And Seals** *(23 05 23 00-0904)* | | |
| 23 05 23 00-0915 | EA | 2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals | 347.93 | 53.26 |
| 23 05 23 00-0916 | EA | 2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals | 380.86 | 64.38 |
| 23 05 23 00-0917 | EA | 3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals | 400.02 | 71.79 |
| 23 05 23 00-0918 | EA | 4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals | 467.80 | 82.89 |
| 23 05 23 00-0919 | EA | 6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals | 750.65 | 134.74 |
| 23 05 23 00-0920 | EA | 8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals | 1,607.13 | 215.58 |
| 23 05 23 00-0921 | EA | 10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals | 2,392.52 | 239.29 |
| 23 05 23 00-0922 | EA | 12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals | 3,355.69 | 269.48 |
| **23 05 23 00-0923** | | **Polyvinylidene Fluoride (PVDF) Butterfly Valves, With Operator** *(23 05 23 00-0884)* | | |
| **23 05 23 00-0924** | | **Polyvinylidene Fluoride (PVDF) Butterfly Valves, Viton Liner And Seals** *(23 05 23 00-0923)* | | |
| 23 05 23 00-0925 | EA | 2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals | 952.07 | 128.76 |
| 23 05 23 00-0926 | EA | 2-1/2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals | 988.68 | 129.35 |
| 23 05 23 00-0927 | EA | 3" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals | 1,079.27 | 150.90 |
| 23 05 23 00-0928 | EA | 4" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals | 1,521.23 | 256.00 |
| 23 05 23 00-0929 | EA | 6" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals | 2,729.39 | 316.68 |
| 23 05 23 00-0930 | EA | 8" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals | 5,297.88 | 401.12 |
| 23 05 23 00-0931 | EA | 10" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals | 7,869.83 | 475.02 |
| 23 05 23 00-0932 | EA | 12" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals | 9,806.66 | 580.58 |
| **23 05 23 00-0933** | | **Carbon Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valves (Nibco)** *(23 05 23 00-0852)* | | |
| **23 05 23 00-0934** | | **Carbon Steel Body, Stainless Steel Disc And Stem, 150 Lb., Lug Type, RPTFE Seats, Butterfly Valves With Bare Nut** *(23 05 23 00-0933)* | | |
| 23 05 23 00-0935 | EA | 2-1/2", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 1,558.87 | 156.29 |
| | | *For Work In Restricted Working Space, Add* | *58.80* | |
| 23 05 23 00-0936 | EA | 3", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 1,662.84 | 183.25 |
| | | *For Work In Restricted Working Space, Add* | *68.81* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0937 | EA | 4", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 2,062.00 | 307.20 |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0938 | EA | 5", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 2,758.30 | 380.02 |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0939 | EA | 6", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 3,029.65 | 422.24 |
| | | *For Work In Restricted Working Space, Add* | *158.34* | |
| 23 05 23 00-0940 | EA | 8", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 3,854.30 | 485.58 |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |
| 23 05 23 00-0941 | EA | 10", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 5,667.05 | 591.14 |
| | | *For Work In Restricted Working Space, Add* | *221.68* | |
| 23 05 23 00-0942 | EA | 12", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 7,550.32 | 717.80 |
| | | *For Work In Restricted Working Space, Add* | *268.70* | |
| 23 05 23 00-0943 | EA | 14", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 9,530.89 | 953.86 |
| | | *For Work In Restricted Working Space, Add* | *381.54* | |
| 23 05 23 00-0944 | EA | 16", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 13,717.67 | 1,119.19 |
| | | *For Work In Restricted Working Space, Add* | *419.70* | |
| 23 05 23 00-0945 | EA | 18", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 16,426.60 | 1,246.37 |
| | | *For Work In Restricted Working Space, Add* | *466.33* | |
| 23 05 23 00-0946 | EA | 20", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 19,741.32 | 1,398.99 |
| | | *For Work In Restricted Working Space, Add* | *524.62* | |
| 23 05 23 00-0947 | EA | 24", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 29,927.89 | 1,716.94 |
| | | *For Work In Restricted Working Space, Add* | *645.69* | |

### 23 05 23 00-0948 Carbon Steel Body, Stainless Steel Disc And Stem, 300 Lb., Lug Type, RPTFE Seats, Butterfly Valves With Bare Nut *(23 05 23 00-0933)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0949 | EA | 2-1/2", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0) | 1,680.30 | 156.29 |
| | | *For Work In Restricted Working Space, Add* | *58.80* | |
| 23 05 23 00-0950 | EA | 3", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0) | 1,775.04 | 183.25 |
| | | *For Work In Restricted Working Space, Add* | *68.81* | |
| 23 05 23 00-0951 | EA | 4", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0) | 2,212.48 | 307.20 |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0952 | EA | 5", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0) | 3,020.97 | 380.02 |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0953 | EA | 6", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0) | 3,444.95 | 422.24 |
| | | *For Work In Restricted Working Space, Add* | *158.34* | |
| 23 05 23 00-0954 | EA | 8", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0) | 4,852.86 | 485.58 |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |
| 23 05 23 00-0955 | EA | 10", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0) | 7,171.16 | 591.14 |
| | | *For Work In Restricted Working Space, Add* | *221.68* | |
| 23 05 23 00-0956 | EA | 12", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0) | 10,397.51 | 717.80 |
| | | *For Work In Restricted Working Space, Add* | *268.70* | |
| 23 05 23 00-0957 | EA | 14", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0) | 17,852.15 | 953.86 |
| | | *For Work In Restricted Working Space, Add* | *381.54* | |
| 23 05 23 00-0958 | EA | 16", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0) | 19,995.10 | 1,119.19 |
| | | *For Work In Restricted Working Space, Add* | *419.70* | |
| 23 05 23 00-0959 | EA | 18", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0) | 26,990.87 | 1,246.37 |
| | | *For Work In Restricted Working Space, Add* | *466.33* | |
| 23 05 23 00-0960 | EA | 20", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0) | 32,824.23 | 1,398.99 |
| | | *For Work In Restricted Working Space, Add* | *524.62* | |
| 23 05 23 00-0961 | EA | 24", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0) | 44,495.53 | 1,716.94 |
| | | *For Work In Restricted Working Space, Add* | *645.69* | |

### 23 05 23 00-0962 Carbon Steel Body, Stainless Steel Disc And Stem, 150 Lb., Lug Type, RPTFE Seats, Butterfly Valves With Lever Handle *(23 05 23 00-0933)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0963 | EA | 2-1/2", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-6822-3) | 1,607.54 | 156.29 |
| | | *For Work In Restricted Working Space, Add* | *58.80* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0964 | EA | 3", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-6822-3) | 1,698.66 | 183.25 |
| | | *For Work In Restricted Working Space, Add* | *68.81* | |
| 23 05 23 00-0965 | EA | 4", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-6822-3) | 2,084.67 | 307.20 |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0966 | EA | 5", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-6822-3) | 2,821.51 | 380.02 |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0967 | EA | 6", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-6822-3) | 3,256.85 | 422.24 |
| | | *For Work In Restricted Working Space, Add* | *158.34* | |

## 23 05 23 00-0968 Carbon Steel Body, Stainless Steel Disc And Stem, 300 Lb., Lug Type, RPTFE Seats, Butterfly Valves With Lever Handle *(23 05 23 00-0933)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0969 | EA | 2-1/2", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-7822-3) | 1,784.71 | 156.29 |
| | | *For Work In Restricted Working Space, Add* | *58.80* | |
| 23 05 23 00-0970 | EA | 3", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-7822-3) | 1,878.43 | 183.25 |
| | | *For Work In Restricted Working Space, Add* | *68.81* | |
| 23 05 23 00-0971 | EA | 4", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-7822-3) | 2,311.82 | 307.20 |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0972 | EA | 5", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-6822-3) | 3,109.02 | 380.02 |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0973 | EA | 6", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-7822-3) | 3,598.06 | 422.24 |
| | | *For Work In Restricted Working Space, Add* | *158.34* | |

## 23 05 23 00-0974 Carbon Steel Body, Stainless Steel Disc And Stem, 150 Lb., Lug Type, RPTFE Seats, Butterfly Valves With Gear Operator *(23 05 23 00-0933)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0975 | EA | 2-1/2", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 1,766.53 | 156.29 |
| | | *For Work In Restricted Working Space, Add* | *58.79* | |
| 23 05 23 00-0976 | EA | 3", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 1,884.92 | 183.25 |
| | | *For Work In Restricted Working Space, Add* | *68.81* | |
| 23 05 23 00-0977 | EA | 4", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 2,298.19 | 307.20 |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0978 | EA | 5", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 3,077.22 | 380.02 |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0979 | EA | 6", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 3,650.08 | 422.24 |
| | | *For Work In Restricted Working Space, Add* | *158.34* | |
| 23 05 23 00-0980 | EA | 8", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 4,414.71 | 485.58 |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |
| 23 05 23 00-0981 | EA | 10", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 7,220.37 | 591.14 |
| | | *For Work In Restricted Working Space, Add* | *221.68* | |
| 23 05 23 00-0982 | EA | 12", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 9,288.38 | 717.80 |
| | | *For Work In Restricted Working Space, Add* | *268.70* | |
| 23 05 23 00-0983 | EA | 14", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 12,440.24 | 953.86 |
| | | *For Work In Restricted Working Space, Add* | *381.54* | |
| 23 05 23 00-0984 | EA | 16", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 17,070.76 | 1,119.19 |
| | | *For Work In Restricted Working Space, Add* | *419.70* | |
| 23 05 23 00-0985 | EA | 18", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 19,517.13 | 1,246.37 |
| | | *For Work In Restricted Working Space, Add* | *466.33* | |
| 23 05 23 00-0986 | EA | 20", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 25,790.50 | 1,398.99 |
| | | *For Work In Restricted Working Space, Add* | *524.62* | |
| 23 05 23 00-0987 | EA | 24", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 37,513.71 | 1,716.94 |
| | | *For Work In Restricted Working Space, Add* | *645.69* | |

## 23 05 23 00-0988 Carbon Steel Body, Stainless Steel Disc And Stem, 300 Lb., Lug Type, RPTFE Seats, Butterfly Valves With Gear Operator *(23 05 23 00-0933)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-0989 | EA | 2-1/2", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5) | 1,985.24 | 156.29 |
| | | *For Work In Restricted Working Space, Add* | *58.79* | |
| 23 05 23 00-0990 | EA | 3", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5) | 2,131.53 | 183.25 |
| | | *For Work In Restricted Working Space, Add* | *68.81* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-0991 | EA | 4", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5) | 2,581.15 | 307.20 |
| | | *For Work In Restricted Working Space, Add* | *115.49* | |
| 23 05 23 00-0992 | EA | 5", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5) | 3,432.21 | 380.02 |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| 23 05 23 00-0993 | EA | 6", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5) | 4,196.67 | 422.24 |
| | | *For Work In Restricted Working Space, Add* | *158.34* | |
| 23 05 23 00-0994 | EA | 8", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5) | 6,080.01 | 485.58 |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |
| 23 05 23 00-0995 | EA | 10", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5) | 8,256.80 | 591.14 |
| | | *For Work In Restricted Working Space, Add* | *221.68* | |
| 23 05 23 00-0996 | EA | 12", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5) | 11,627.06 | 717.80 |
| | | *For Work In Restricted Working Space, Add* | *268.70* | |
| 23 05 23 00-0997 | EA | 14", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5) | 21,339.16 | 953.86 |
| | | *For Work In Restricted Working Space, Add* | *381.54* | |
| 23 05 23 00-0998 | EA | 16", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5) | 25,225.29 | 1,119.19 |
| | | *For Work In Restricted Working Space, Add* | *419.70* | |
| 23 05 23 00-0999 | EA | 18", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5) | 32,444.32 | 1,246.37 |
| | | *For Work In Restricted Working Space, Add* | *466.33* | |
| 23 05 23 00-1000 | EA | 20", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5) | 41,148.80 | 1,398.99 |
| | | *For Work In Restricted Working Space, Add* | *524.62* | |
| 23 05 23 00-1001 | EA | 24", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5) | 53,055.03 | 1,716.94 |
| | | *For Work In Restricted Working Space, Add* | *645.69* | |

### 23 05 23 00-1002 Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valves (FNW) *(23 05 23 00-0852)*

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-1003 | EA | 6", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series) | 4,201.16 | 422.24 |
| | | *For Work In Restricted Working Space, Add* | *158.34* | |
| 23 05 23 00-1004 | EA | 8", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series) | 5,962.47 | 485.58 |
| | | *For Work In Restricted Working Space, Add* | *180.96* | |
| 23 05 23 00-1005 | EA | 10", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series) | 8,217.27 | 591.14 |
| | | *For Work In Restricted Working Space, Add* | *221.68* | |
| 23 05 23 00-1006 | EA | 12", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series) | 10,968.71 | 717.80 |
| | | *For Work In Restricted Working Space, Add* | *268.70* | |
| 23 05 23 00-1007 | EA | 14", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series) | 14,512.84 | 953.86 |
| | | *For Work In Restricted Working Space, Add* | *381.54* | |
| 23 05 23 00-1008 | EA | 16", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series) | 20,622.46 | 1,119.19 |
| | | *For Work In Restricted Working Space, Add* | *419.70* | |
| 23 05 23 00-1009 | EA | 18", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series) | 24,126.77 | 1,246.37 |
| | | *For Work In Restricted Working Space, Add* | *465.48* | |
| 23 05 23 00-1010 | EA | 20", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series) | 28,460.11 | 1,398.99 |
| | | *For Work In Restricted Working Space, Add* | *524.62* | |
| 23 05 23 00-1011 | EA | 24", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series) | 44,279.00 | 1,716.94 |
| | | *For Work In Restricted Working Space, Add* | *645.69* | |

### 23 05 23 00-1012 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 Lb. *(23 05 23 00-0852)*

Note: (Milwaukee Valve Company BB-SC 100)

| | | | | |
|---|---|---|---|---|
| 23 05 23 00-1013 | EA | 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 Lb. | 540.99 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-1014 | EA | 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 Lb. | 587.72 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 05 23 00-1015 | EA | 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 Lb. | 738.27 | 18.02 |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 23 05 23 00-1016 | EA | 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 Lb. | 926.70 | 21.30 |
| | | *For Work In Restricted Working Space, Add* | *31.93* | |
| 23 05 23 00-1017 | EA | 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 Lb. | 1,243.52 | 28.78 |
| | | *For Work In Restricted Working Space, Add* | *43.12* | |

### 23 05 23 00-1018 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 Lb. *(23 05 23 00-0852)*

Note: (Milwaukee Valve Company BB-S02)

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 23 00-1019 | EA | 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 Lb. | 820.07 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *18.48* | |
| 23 05 23 00-1020 | EA | 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 Lb. | 884.75 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 05 23 00-1021 | EA | 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 Lb. | 1,059.02 | 18.02 |
| | | *For Work In Restricted Working Space, Add* | *27.01* | |
| 23 05 23 00-1022 | EA | 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 Lb. | 1,268.34 | 21.30 |
| | | *For Work In Restricted Working Space, Add* | *31.93* | |
| 23 05 23 00-1023 | EA | 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 Lb. | 1,621.32 | 28.78 |
| | | *For Work In Restricted Working Space, Add* | *43.12* | |

## 23 05 29 Hangers and Supports for HVAC Piping and Equipment *(23 05)*

### 23 05 29 00-0001 Hangers And Supports *(23 05 29)*

### 23 05 29 00-0002 Clevis Hangers *(23 05 29 00-0001)*

### 23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*

Note: Type 1.

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0004 | EA | 1/2" Steel Clevis Hanger (Cooper B-Line B3100) | 21.15 | 9.70 |
| | | *For Work In Restricted Working Space, Add* | *5.82* | |
| 23 05 29 00-0005 | EA | 3/4" Steel Clevis Hanger (Cooper B-Line B3100) | 23.31 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| 23 05 29 00-0006 | EA | 1" Steel Clevis Hanger (Cooper B-Line B3100) | 24.50 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.81* | |
| 23 05 29 00-0007 | EA | 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100) | 25.41 | 11.66 |
| | | *For Work In Restricted Working Space, Add* | *7.00* | |
| 23 05 29 00-0008 | EA | 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100) | 25.64 | 11.66 |
| | | *For Work In Restricted Working Space, Add* | *7.00* | |
| 23 05 29 00-0009 | EA | 2" Steel Clevis Hanger (Cooper B-Line B3100) | 26.72 | 11.86 |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 05 29 00-0010 | EA | 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100) | 29.13 | 12.29 |
| | | *For Work In Restricted Working Space, Add* | *7.40* | |
| 23 05 29 00-0011 | EA | 3" Steel Clevis Hanger (Cooper B-Line B3100) | 31.00 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *7.61* | |
| 23 05 29 00-0012 | EA | 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100) | 32.46 | 14.20 |
| | | *For Work In Restricted Working Space, Add* | *8.12* | |
| 23 05 29 00-0013 | EA | 4" Steel Clevis Hanger (Cooper B-Line B3100) | 35.54 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 05 29 00-0014 | EA | 5" Steel Clevis Hanger (Cooper B-Line B3100) | 45.50 | 18.05 |
| | | *For Work In Restricted Working Space, Add* | *10.83* | |
| 23 05 29 00-0015 | EA | 6" Steel Clevis Hanger (Cooper B-Line B3100) | 54.71 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *12.93* | |
| 23 05 29 00-0016 | EA | 8" Steel Clevis Hanger (Cooper B-Line B3100) | 73.11 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 23 05 29 00-0017 | EA | 10" Steel Clevis Hanger (Cooper B-Line B3100) | 106.09 | 36.65 |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| 23 05 29 00-0018 | EA | 12" Steel Clevis Hanger (Cooper B-Line B3100) | 123.98 | 40.42 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 23 05 29 00-0019 | EA | 14" Steel Clevis Hanger (Cooper B-Line B3100) | 153.45 | 45.27 |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| 23 05 29 00-0020 | EA | 16" Steel Clevis Hanger (Cooper B-Line B3100) | 190.26 | 53.90 |
| | | *For Work In Restricted Working Space, Add* | *32.34* | |
| 23 05 29 00-0021 | EA | 18" Steel Clevis Hanger (Cooper B-Line B3100) | 237.17 | 67.37 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 23 05 29 00-0022 | EA | 20" Steel Clevis Hanger (Cooper B-Line B3100) | 376.93 | 80.85 |
| | | *For Work In Restricted Working Space, Add* | *48.51* | |
| 23 05 29 00-0023 | EA | 24" Steel Clevis Hanger (Cooper B-Line B3100) | 568.84 | 94.31 |
| | | *For Work In Restricted Working Space, Add* | *56.59* | |

### 23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0025 | EA | 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 25.79 | 9.70 |
| | | *For Work In Restricted Working Space, Add* | *5.82* | |
| 23 05 29 00-0026 | EA | 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 27.95 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| 23 05 29 00-0027 | EA | 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 29.25 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.81* | |
| 23 05 29 00-0028 | EA | 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 30.25 | 11.66 |
| | | *For Work In Restricted Working Space, Add* | *7.00* | |
| 23 05 29 00-0029 | EA | 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 30.84 | 11.66 |
| | | *For Work In Restricted Working Space, Add* | *7.00* | |
| 23 05 29 00-0030 | EA | 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 31.63 | 11.86 |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 05 29 00-0031 | EA | 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 35.13 | 12.29 |
| | | *For Work In Restricted Working Space, Add* | *7.40* | |
| 23 05 29 00-0032 | EA | 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 36.80 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *7.61* | |
| 23 05 29 00-0033 | EA | 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 41.31 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 05 29 00-0034 | EA | 4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 45.22 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0035 | EA | 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 72.81 | 18.05 |
| | | *For Work In Restricted Working Space, Add* | *10.83* | |
| 23 05 29 00-0036 | EA | 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 90.03 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *12.93* | |
| 23 05 29 00-0037 | EA | 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) | 107.54 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 23 05 29 00-0038 | | Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) *(23 05 29 00-0002)* | | |
| 23 05 29 00-0039 | EA | 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) | 20.98 | 9.70 |
| | | *For Work In Restricted Working Space, Add* | *5.82* | |
| 23 05 29 00-0040 | EA | 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) | 23.18 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| 23 05 29 00-0041 | EA | 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) | 24.47 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.81* | |
| 23 05 29 00-0042 | EA | 1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) | 25.14 | 11.66 |
| | | *For Work In Restricted Working Space, Add* | *7.00* | |
| 23 05 29 00-0043 | EA | 1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) | 25.28 | 11.66 |
| | | *For Work In Restricted Working Space, Add* | *7.00* | |
| 23 05 29 00-0044 | EA | 2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) | 25.99 | 11.86 |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 05 29 00-0045 | EA | 2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) | 28.18 | 12.29 |
| | | *For Work In Restricted Working Space, Add* | *7.40* | |
| 23 05 29 00-0046 | EA | 3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) | 29.38 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *7.61* | |
| 23 05 29 00-0047 | EA | 3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) | 33.13 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 05 29 00-0048 | EA | 4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) | 34.06 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 05 29 00-0049 | | Extended Steel Clevis Hanger (Cooper B-Line B3108) *(23 05 29 00-0002)* | | |
| 23 05 29 00-0050 | EA | 3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 28.98 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| 23 05 29 00-0051 | EA | 1" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 30.17 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.81* | |
| 23 05 29 00-0052 | EA | 1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 30.81 | 11.66 |
| | | *For Work In Restricted Working Space, Add* | *7.00* | |
| 23 05 29 00-0053 | EA | 1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 31.73 | 11.66 |
| | | *For Work In Restricted Working Space, Add* | *7.00* | |
| 23 05 29 00-0054 | EA | 2" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 33.90 | 11.86 |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 05 29 00-0055 | EA | 2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 36.22 | 12.29 |
| | | *For Work In Restricted Working Space, Add* | *7.40* | |
| 23 05 29 00-0056 | EA | 3" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 37.95 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *7.61* | |
| 23 05 29 00-0057 | EA | 4" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 45.36 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 05 29 00-0058 | EA | 5" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 57.20 | 18.05 |
| | | *For Work In Restricted Working Space, Add* | *10.83* | |
| 23 05 29 00-0059 | EA | 6" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 70.39 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *12.93* | |
| 23 05 29 00-0060 | EA | 8" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 98.84 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 23 05 29 00-0061 | EA | 10" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 138.32 | 36.65 |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| 23 05 29 00-0062 | EA | 12" Steel Extended Clevis Hanger (Cooper B-Line B3108) | 155.38 | 40.42 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 23 05 29 00-0063 | | Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) *(23 05 29 00-0002)* | | |
| 23 05 29 00-0064 | EA | 2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) | 34.99 | 11.86 |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 05 29 00-0065 | EA | 2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) | 37.24 | 12.29 |
| | | *For Work In Restricted Working Space, Add* | *7.40* | |
| 23 05 29 00-0066 | EA | 3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) | 39.10 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *7.61* | |
| 23 05 29 00-0067 | EA | 3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) | 43.38 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 05 29 00-0068 | EA | 4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) | 45.68 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 05 29 00-0069 | EA | 5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) | 56.77 | 18.05 |
| | | *For Work In Restricted Working Space, Add* | *10.83* | |
| 23 05 29 00-0070 | EA | 6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) | 66.37 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *12.93* | |
| 23 05 29 00-0071 | EA | 8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) | 87.70 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 23 05 29 00-0072 | | Adjustable Hangers *(23 05 29 00-0001)* | | |
| 23 05 29 00-0073 | | Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) *(23 05 29 00-0072)* | | |
| | | Note: Type 5. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0074 | EA | 1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) | 19.24 | 8.50 |
| | | *For Work In Restricted Working Space, Add* | *5.10* | |
| 23 05 29 00-0075 | EA | 3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) | 21.10 | 9.43 |
| | | *For Work In Restricted Working Space, Add* | *5.66* | |
| 23 05 29 00-0076 | EA | 1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) | 23.18 | 10.48 |
| | | *For Work In Restricted Working Space, Add* | *6.29* | |
| 23 05 29 00-0077 | EA | 1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) | 25.60 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *6.99* | |
| 23 05 29 00-0078 | EA | 1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) | 26.90 | 12.22 |
| | | *For Work In Restricted Working Space, Add* | *7.34* | |
| 23 05 29 00-0079 | EA | 2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) | 28.74 | 12.81 |
| | | *For Work In Restricted Working Space, Add* | *7.68* | |
| 23 05 29 00-0080 | EA | 2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) | 32.79 | 13.39 |
| | | *For Work In Restricted Working Space, Add* | *8.04* | |
| 23 05 29 00-0081 | EA | 3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) | 34.24 | 13.97 |
| | | *For Work In Restricted Working Space, Add* | *8.38* | |
| 23 05 29 00-0082 | EA | 4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) | 40.60 | 15.72 |
| | | *For Work In Restricted Working Space, Add* | *9.43* | |

### 23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) *(23 05 29 00-0072)*

Note: Type 10.

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0084 | EA | 1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 22.58 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| | | *For 304 Stainless Steel, Add* | *6.73* | |
| | | *For 316 Stainless Steel, Add* | *8.67* | |
| 23 05 29 00-0085 | EA | 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 23.81 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.81* | |
| | | *For 304 Stainless Steel, Add* | *7.39* | |
| | | *For 316 Stainless Steel, Add* | *9.52* | |
| 23 05 29 00-0086 | EA | 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 25.07 | 11.86 |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| | | *For 304 Stainless Steel, Add* | *7.39* | |
| | | *For 316 Stainless Steel, Add* | *9.52* | |
| 23 05 29 00-0087 | EA | 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 26.61 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *7.61* | |
| | | *For 304 Stainless Steel, Add* | *8.25* | |
| | | *For 316 Stainless Steel, Add* | *10.63* | |
| 23 05 29 00-0088 | EA | 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 30.00 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| | | *For 304 Stainless Steel, Add* | *8.25* | |
| | | *For 316 Stainless Steel, Add* | *10.63* | |
| 23 05 29 00-0089 | EA | 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 32.11 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *9.24* | |
| | | *For 304 Stainless Steel, Add* | *8.71* | |
| | | *For 316 Stainless Steel, Add* | *11.22* | |
| 23 05 29 00-0090 | EA | 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 35.31 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *9.95* | |
| | | *For 304 Stainless Steel, Add* | *14.12* | |
| | | *For 316 Stainless Steel, Add* | *18.19* | |
| 23 05 29 00-0091 | EA | 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 38.17 | 18.32 |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| | | *For 304 Stainless Steel, Add* | *14.78* | |
| | | *For 316 Stainless Steel, Add* | *19.04* | |
| 23 05 29 00-0092 | EA | 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 42.34 | 19.67 |
| | | *For Work In Restricted Working Space, Add* | *11.80* | |
| | | *For 304 Stainless Steel, Add* | *19.80* | |
| | | *For 316 Stainless Steel, Add* | *25.50* | |
| 23 05 29 00-0093 | EA | 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 46.11 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *12.93* | |
| | | *For 304 Stainless Steel, Add* | *19.80* | |
| | | *For 316 Stainless Steel, Add* | *25.50* | |
| 23 05 29 00-0094 | EA | 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 54.73 | 24.26 |
| | | *For Work In Restricted Working Space, Add* | *14.55* | |
| | | *For 304 Stainless Steel, Add* | *41.12* | |
| | | *For 316 Stainless Steel, Add* | *52.96* | |
| 23 05 29 00-0095 | EA | 6" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 60.23 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| | | *For 304 Stainless Steel, Add* | *41.78* | |
| | | *For 316 Stainless Steel, Add* | *53.81* | |
| 23 05 29 00-0096 | EA | 8" Adjustable Swivel Steel Ring (Cooper B-Line B3170) | 72.19 | 32.33 |
| | | *For Work In Restricted Working Space, Add* | *19.40* | |
| | | *For 304 Stainless Steel, Add* | *49.57* | |
| | | *For 316 Stainless Steel, Add* | *63.84* | |

### 23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) *(23 05 29 00-0072)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0098 | EA | 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) | 25.30 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| | | *For 304 Stainless Steel, Add* | *24.68* | |
| | | *For 316 Stainless Steel, Add* | *31.79* | |
| 23 05 29 00-0099 | EA | 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) | 26.43 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.81* | |
| | | *For 304 Stainless Steel, Add* | *24.68* | |
| | | *For 316 Stainless Steel, Add* | *31.79* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0100 | EA | 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) | 27.69 | 11.86 |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| | | *For 304 Stainless Steel, Add* | *24.68* | |
| | | *For 316 Stainless Steel, Add* | *31.79* | |
| 23 05 29 00-0101 | EA | 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) | 29.10 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *7.61* | |
| | | *For 304 Stainless Steel, Add* | *24.68* | |
| | | *For 316 Stainless Steel, Add* | *31.79* | |
| 23 05 29 00-0102 | EA | 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) | 32.80 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| | | *For 304 Stainless Steel, Add* | *26.73* | |
| | | *For 316 Stainless Steel, Add* | *34.43* | |
| 23 05 29 00-0103 | EA | 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) | 34.84 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *9.24* | |
| | | *For 304 Stainless Steel, Add* | *26.73* | |
| | | *For 316 Stainless Steel, Add* | *34.43* | |
| 23 05 29 00-0104 | EA | 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) | 43.80 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *9.95* | |
| | | *For 304 Stainless Steel, Add* | *70.16* | |
| | | *For 316 Stainless Steel, Add* | *90.36* | |
| 23 05 29 00-0105 | EA | 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) | 49.10 | 18.32 |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| | | *For 304 Stainless Steel, Add* | *86.92* | |
| | | *For 316 Stainless Steel, Add* | *111.95* | |
| 23 05 29 00-0106 | EA | 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) | 53.55 | 19.67 |
| | | *For Work In Restricted Working Space, Add* | *11.80* | |
| | | *For 304 Stainless Steel, Add* | *93.79* | |
| | | *For 316 Stainless Steel, Add* | *120.79* | |
| 23 05 29 00-0107 | EA | 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) | 60.41 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *12.93* | |
| | | *For 304 Stainless Steel, Add* | *114.18* | |
| | | *For 316 Stainless Steel, Add* | *147.05* | |
| 23 05 29 00-0108 | EA | 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) | 66.04 | 24.26 |
| | | *For Work In Restricted Working Space, Add* | *14.55* | |
| | | *For 304 Stainless Steel, Add* | *115.76* | |
| | | *For 316 Stainless Steel, Add* | *149.09* | |
| 23 05 29 00-0109 | EA | 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) | 79.29 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| | | *For 304 Stainless Steel, Add* | *167.57* | |
| | | *For 316 Stainless Steel, Add* | *215.82* | |
| 23 05 29 00-0110 | | Roller Hangers *(23 05 29 00-0001)* | | |
| 23 05 29 00-0111 | | Single Pipe Roll (Cooper B-Line B3114) *(23 05 29 00-0110)* | | |
| | | Note: Excludes rod and nuts. Type 41. | | |
| 23 05 29 00-0112 | EA | 2" Single Pipe Roll (Cooper B-Line B3114) | 31.78 | 8.63 |
| | | Note: Excludes rod and nuts. | | |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| 23 05 29 00-0113 | EA | 2-1/2" Single Pipe Roll (Cooper B-Line B3114) | 35.03 | 9.71 |
| | | Note: Excludes rod and nuts. | | |
| | | *For Work In Restricted Working Space, Add* | *5.82* | |
| 23 05 29 00-0114 | EA | 3" Single Pipe Roll (Cooper B-Line B3114) | 39.12 | 11.33 |
| | | Note: Excludes rod and nuts. | | |
| | | *For Work In Restricted Working Space, Add* | *6.80* | |
| 23 05 29 00-0115 | EA | 3-1/2" Single Pipe Roll (Cooper B-Line B3114) | 44.99 | 12.94 |
| | | Note: Excludes rod and nuts. | | |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| 23 05 29 00-0116 | EA | 4" Single Pipe Roll (Cooper B-Line B3114) | 61.31 | 14.56 |
| | | Note: Excludes rod and nuts. | | |
| | | *For Work In Restricted Working Space, Add* | *8.74* | |
| 23 05 29 00-0117 | EA | 5" Single Pipe Roll (Cooper B-Line B3114) | 55.54 | 16.18 |
| | | Note: Excludes rod and nuts. | | |
| | | *For Work In Restricted Working Space, Add* | *9.71* | |
| 23 05 29 00-0118 | EA | 6" Single Pipe Roll (Cooper B-Line B3114) | 68.93 | 19.41 |
| | | Note: Excludes rod and nuts. | | |
| | | *For Work In Restricted Working Space, Add* | *11.65* | |
| 23 05 29 00-0119 | EA | 8" Single Pipe Roll (Cooper B-Line B3114) | 92.01 | 22.65 |
| | | Note: Excludes rod and nuts. | | |
| | | *For Work In Restricted Working Space, Add* | *13.59* | |
| 23 05 29 00-0120 | EA | 10" Single Pipe Roll (Cooper B-Line B3114) | 109.12 | 26.96 |
| | | Note: Excludes rod and nuts. | | |
| | | *For Work In Restricted Working Space, Add* | *16.18* | |
| 23 05 29 00-0121 | | Adjustable Clevis Roller Hanger (Cooper B-Line B3110) *(23 05 29 00-0110)* | | |
| | | Note: Type 43. | | |
| 23 05 29 00-0122 | EA | 2" Steel Clevis Roller Hanger (Cooper B-Line B3110) | 47.83 | 15.22 |
| | | *For Work In Restricted Working Space, Add* | *8.78* | |
| | | *For 304 Stainless Steel, Add* | *122.43* | |
| | | *For 316 Stainless Steel, Add* | *157.68* | |
| 23 05 29 00-0123 | EA | 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110) | 49.93 | 15.69 |
| | | *For Work In Restricted Working Space, Add* | *9.41* | |
| | | *For 304 Stainless Steel, Add* | *122.43* | |
| | | *For 316 Stainless Steel, Add* | *157.68* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0124 | EA | 3" Steel Clevis Roller Hanger (Cooper B-Line B3110) | 54.15 | 16.40 |
| | | *For Work In Restricted Working Space, Add* | *10.04* | |
| | | *For 304 Stainless Steel, Add* | *136.55* | |
| | | *For 316 Stainless Steel, Add* | *175.87* | |
| 23 05 29 00-0125 | EA | 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110) | 62.67 | 17.57 |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| | | *For 304 Stainless Steel, Add* | *181.76* | |
| | | *For 316 Stainless Steel, Add* | *234.09* | |
| 23 05 29 00-0126 | EA | 4" Steel Clevis Roller Hanger (Cooper B-Line B3110) | 66.57 | 19.90 |
| | | *For Work In Restricted Working Space, Add* | *11.71* | |
| | | *For 304 Stainless Steel, Add* | *181.76* | |
| | | *For 316 Stainless Steel, Add* | *234.09* | |
| 23 05 29 00-0127 | EA | 5" Steel Clevis Roller Hanger (Cooper B-Line B3110) | 75.02 | 21.43 |
| | | *For Work In Restricted Working Space, Add* | *12.86* | |
| | | *For 304 Stainless Steel, Add* | *212.26* | |
| | | *For 316 Stainless Steel, Add* | *273.36* | |
| 23 05 29 00-0128 | EA | 6" Steel Clevis Roller Hanger (Cooper B-Line B3110) | 86.78 | 23.42 |
| | | *For Work In Restricted Working Space, Add* | *14.06* | |
| | | *For 304 Stainless Steel, Add* | *263.54* | |
| | | *For 316 Stainless Steel, Add* | *339.41* | |
| 23 05 29 00-0129 | EA | 8" Steel Clevis Roller Hanger (Cooper B-Line B3110) | 118.31 | 29.28 |
| | | *For Work In Restricted Working Space, Add* | *17.57* | |
| | | *For 304 Stainless Steel, Add* | *394.42* | |
| | | *For 316 Stainless Steel, Add* | *507.96* | |
| 23 05 29 00-0130 | EA | 10" Steel Clevis Roller Hanger (Cooper B-Line B3110) | 149.27 | 39.82 |
| | | *For Work In Restricted Working Space, Add* | *23.42* | |
| | | *For 304 Stainless Steel, Add* | *469.92* | |
| | | *For 316 Stainless Steel, Add* | *605.20* | |
| 23 05 29 00-0131 | EA | 12" Steel Clevis Roller Hanger (Cooper B-Line B3110) | 192.50 | 43.91 |
| | | *For Work In Restricted Working Space, Add* | *26.35* | |
| | | *For 304 Stainless Steel, Add* | *690.82* | |
| | | *For 316 Stainless Steel, Add* | *889.70* | |
| 23 05 29 00-0132 | EA | 14" Steel Clevis Roller Hanger (Cooper B-Line B3110) | 390.77 | 50.35 |
| | | *For Work In Restricted Working Space, Add* | *30.21* | |
| | | *For 304 Stainless Steel, Add* | *1,914.40* | |
| | | *For 316 Stainless Steel, Add* | *2,465.51* | |
| 23 05 29 00-0133 | EA | 16" Steel Clevis Roller Hanger (Cooper B-Line B3110) | 489.43 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |
| | | *For 304 Stainless Steel, Add* | *2,457.38* | |
| | | *For 316 Stainless Steel, Add* | *3,164.81* | |

## 23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) *(23 05 29 00-0110)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0135 | EA | 2" Steel Roller Chair (Cooper B-Line B3120) | 46.61 | 15.22 |
| | | *For Work In Restricted Working Space, Add* | *8.78* | |
| 23 05 29 00-0136 | EA | 2-1/2" Steel Roller Chair (Cooper B-Line B3120) | 50.20 | 15.69 |
| | | *For Work In Restricted Working Space, Add* | *9.41* | |
| 23 05 29 00-0137 | EA | 3" Steel Roller Chair (Cooper B-Line B3120) | 52.70 | 16.40 |
| | | *For Work In Restricted Working Space, Add* | *10.04* | |
| 23 05 29 00-0138 | EA | 3-1/2" Steel Roller Chair (Cooper B-Line B3120) | 59.64 | 17.57 |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 23 05 29 00-0139 | EA | 4" Steel Roller Chair (Cooper B-Line B3120) | 66.44 | 19.90 |
| | | *For Work In Restricted Working Space, Add* | *11.71* | |
| 23 05 29 00-0140 | EA | 5" Steel Roller Chair (Cooper B-Line B3120) | 72.64 | 21.43 |
| | | *For Work In Restricted Working Space, Add* | *12.86* | |
| 23 05 29 00-0141 | EA | 6" Steel Roller Chair (Cooper B-Line B3120) | 88.33 | 23.42 |
| | | *For Work In Restricted Working Space, Add* | *14.06* | |
| 23 05 29 00-0142 | EA | 8" Steel Roller Chair (Cooper B-Line B3120) | 114.63 | 29.28 |
| | | *For Work In Restricted Working Space, Add* | *17.57* | |
| 23 05 29 00-0143 | EA | 10" Steel Roller Chair (Cooper B-Line B3120) | 148.41 | 39.82 |
| | | *For Work In Restricted Working Space, Add* | *23.42* | |
| 23 05 29 00-0144 | EA | 12" Steel Roller Chair (Cooper B-Line B3120) | 190.26 | 43.91 |
| | | *For Work In Restricted Working Space, Add* | *26.35* | |
| 23 05 29 00-0145 | EA | 14" Steel Roller Chair (Cooper B-Line B3120) | 208.15 | 50.35 |
| | | *For Work In Restricted Working Space, Add* | *30.21* | |
| 23 05 29 00-0146 | EA | 16" Steel Roller Chair (Cooper B-Line B3120) | 250.47 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |
| 23 05 29 00-0147 | EA | 18" Steel Roller Chair (Cooper B-Line B3120) | 336.28 | 73.18 |
| | | *For Work In Restricted Working Space, Add* | *43.91* | |
| 23 05 29 00-0148 | EA | 20" Steel Roller Chair (Cooper B-Line B3120) | 415.48 | 87.83 |
| | | *For Work In Restricted Working Space, Add* | *52.70* | |

## 23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) *(23 05 29 00-0110)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0150 | EA | 2" Steel Adjustable Roller Support (Cooper B-Line B3122) | 52.31 | 15.22 |
| | | *For Work In Restricted Working Space, Add* | *8.78* | |
| 23 05 29 00-0151 | EA | 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122) | 58.63 | 15.69 |
| | | *For Work In Restricted Working Space, Add* | *9.41* | |
| 23 05 29 00-0152 | EA | 3" Steel Adjustable Roller Support (Cooper B-Line B3122) | 61.70 | 16.40 |
| | | *For Work In Restricted Working Space, Add* | *10.04* | |
| 23 05 29 00-0153 | EA | 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122) | 65.15 | 17.57 |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 23 05 29 00-0154 | EA | 4" Steel Adjustable Roller Support (Cooper B-Line B3122) | 77.97 | 19.90 |
| | | *For Work In Restricted Working Space, Add* | *11.71* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0155 | EA | 5" Steel Adjustable Roller Support (Cooper B-Line B3122) | 88.26 | 21.43 |
| | | *For Work In Restricted Working Space, Add* | *12.86* | |
| 23 05 29 00-0156 | EA | 6" Steel Adjustable Roller Support (Cooper B-Line B3122) | 102.43 | 23.42 |
| | | *For Work In Restricted Working Space, Add* | *14.06* | |
| 23 05 29 00-0157 | EA | 8" Steel Adjustable Roller Support (Cooper B-Line B3122) | 143.65 | 29.28 |
| | | *For Work In Restricted Working Space, Add* | *17.57* | |
| 23 05 29 00-0158 | EA | 10" Steel Adjustable Roller Support (Cooper B-Line B3122) | 179.71 | 39.82 |
| | | *For Work In Restricted Working Space, Add* | *23.42* | |
| 23 05 29 00-0159 | EA | 12" Steel Adjustable Roller Support (Cooper B-Line B3122) | 207.59 | 43.91 |
| | | *For Work In Restricted Working Space, Add* | *26.35* | |
| 23 05 29 00-0160 | EA | 14" Steel Adjustable Roller Support (Cooper B-Line B3122) | 291.11 | 50.35 |
| | | *For Work In Restricted Working Space, Add* | *30.21* | |
| 23 05 29 00-0161 | EA | 16" Steel Adjustable Roller Support (Cooper B-Line B3122) | 348.58 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |
| 23 05 29 00-0162 | EA | 18" Steel Adjustable Roller Support (Cooper B-Line B3122) | 397.34 | 73.18 |
| | | *For Work In Restricted Working Space, Add* | *43.91* | |

## 23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) *(23 05 29 00-0110)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0164 | EA | 2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) | 52.64 | 15.22 |
| | | *For Work In Restricted Working Space, Add* | *8.78* | |
| 23 05 29 00-0165 | EA | 2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) | 58.92 | 15.69 |
| | | *For Work In Restricted Working Space, Add* | *9.41* | |
| 23 05 29 00-0166 | EA | 3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) | 62.19 | 16.40 |
| | | *For Work In Restricted Working Space, Add* | *10.04* | |
| 23 05 29 00-0167 | EA | 3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) | 64.72 | 17.57 |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 23 05 29 00-0168 | EA | 4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) | 81.30 | 19.90 |
| | | *For Work In Restricted Working Space, Add* | *11.71* | |
| 23 05 29 00-0169 | EA | 5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) | 92.18 | 21.43 |
| | | *For Work In Restricted Working Space, Add* | *12.86* | |
| 23 05 29 00-0170 | EA | 6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) | 107.11 | 23.42 |
| | | *For Work In Restricted Working Space, Add* | *14.06* | |
| 23 05 29 00-0171 | EA | 8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) | 150.90 | 29.28 |
| | | *For Work In Restricted Working Space, Add* | *17.57* | |
| 23 05 29 00-0172 | EA | 10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) | 188.41 | 39.82 |
| | | *For Work In Restricted Working Space, Add* | *23.42* | |
| 23 05 29 00-0173 | EA | 12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) | 217.77 | 43.91 |
| | | *For Work In Restricted Working Space, Add* | *26.35* | |
| 23 05 29 00-0174 | EA | 14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) | 307.39 | 50.35 |
| | | *For Work In Restricted Working Space, Add* | *30.21* | |

## 23 05 29 00-0175 Pipe And Riser Clamps *(23 05 29 00-0001)*

Note: Includes bolts and weldless eye nuts.

## 23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0175)*

Note: Type 4.

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0177 | EA | 1/2" Steel Pipe Clamp (Cooper B-Line B3140) | 18.29 | 6.99 |
| | | *For Work In Restricted Working Space, Add* | *4.19* | |
| 23 05 29 00-0178 | EA | 3/4" Steel Pipe Clamp (Cooper B-Line B3140) | 18.52 | 7.10 |
| | | *For Work In Restricted Working Space, Add* | *4.26* | |
| 23 05 29 00-0179 | EA | 1" Steel Pipe Clamp (Cooper B-Line B3140) | 18.79 | 7.22 |
| | | *For Work In Restricted Working Space, Add* | *4.33* | |
| 23 05 29 00-0180 | EA | 1-1/4" Steel Pipe Clamp (Cooper B-Line B3140) | 20.34 | 7.33 |
| | | *For Work In Restricted Working Space, Add* | *4.40* | |
| 23 05 29 00-0181 | EA | 1-1/2" Steel Pipe Clamp (Cooper B-Line B3140) | 20.57 | 7.45 |
| | | *For Work In Restricted Working Space, Add* | *4.47* | |
| 23 05 29 00-0182 | EA | 2" Steel Pipe Clamp (Cooper B-Line B3140) | 21.80 | 7.57 |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| 23 05 29 00-0183 | EA | 2-1/2" Steel Pipe Clamp (Cooper B-Line B3140) | 22.66 | 7.80 |
| | | *For Work In Restricted Working Space, Add* | *4.68* | |
| 23 05 29 00-0184 | EA | 3" Steel Pipe Clamp (Cooper B-Line B3140) | 23.95 | 8.03 |
| | | *For Work In Restricted Working Space, Add* | *4.82* | |
| 23 05 29 00-0185 | EA | 3-1/2" Steel Pipe Clamp (Cooper B-Line B3140) | 27.44 | 8.16 |
| | | *For Work In Restricted Working Space, Add* | *4.89* | |
| 23 05 29 00-0186 | EA | 4" Steel Pipe Clamp (Cooper B-Line B3140) | 32.10 | 10.48 |
| | | *For Work In Restricted Working Space, Add* | *6.29* | |
| 23 05 29 00-0187 | EA | 5" Steel Pipe Clamp (Cooper B-Line B3140) | 45.73 | 13.97 |
| | | *For Work In Restricted Working Space, Add* | *8.38* | |
| 23 05 29 00-0188 | EA | 6" Steel Pipe Clamp (Cooper B-Line B3140) | 62.21 | 17.47 |
| | | *For Work In Restricted Working Space, Add* | *10.48* | |
| 23 05 29 00-0189 | EA | 8" Steel Pipe Clamp (Cooper B-Line B3140) | 73.18 | 20.38 |
| | | *For Work In Restricted Working Space, Add* | *12.23* | |
| 23 05 29 00-0190 | EA | 10" Steel Pipe Clamp (Cooper B-Line B3140) | 105.02 | 23.29 |
| | | *For Work In Restricted Working Space, Add* | *13.97* | |
| 23 05 29 00-0191 | EA | 12" Steel Pipe Clamp (Cooper B-Line B3140) | 141.64 | 25.62 |
| | | *For Work In Restricted Working Space, Add* | *15.37* | |
| 23 05 29 00-0192 | EA | 14" Steel Pipe Clamp (Cooper B-Line B3140) | 225.56 | 27.94 |
| | | *For Work In Restricted Working Space, Add* | *16.77* | |
| 23 05 29 00-0193 | EA | 16" Steel Pipe Clamp (Cooper B-Line B3140) | 244.49 | 30.27 |
| | | *For Work In Restricted Working Space, Add* | *18.17* | |
| 23 05 29 00-0194 | EA | 18" Steel Pipe Clamp (Cooper B-Line B3140) | 392.89 | 32.60 |
| | | *For Work In Restricted Working Space, Add* | *19.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0195 | EA | 20" Steel Pipe Clamp (Cooper B-Line B3140) | 453.62 | 34.93 |
| | | *For Work In Restricted Working Space, Add* | *20.96* | |
| 23 05 29 00-0196 | EA | 24" Steel Pipe Clamp (Cooper B-Line B3140) | 589.37 | 38.43 |
| | | *For Work In Restricted Working Space, Add* | *23.06* | |

## 23 05 29 00-0197 Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) *(23 05 29 00-0175)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0198 | EA | 3" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) | 35.70 | 7.54 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| 23 05 29 00-0199 | EA | 4" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) | 46.34 | 7.54 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| 23 05 29 00-0200 | EA | 5" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) | 50.78 | 7.81 |
| | | *For Work In Restricted Working Space, Add* | *4.69* | |
| 23 05 29 00-0201 | EA | 6" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) | 80.05 | 8.09 |
| | | *For Work In Restricted Working Space, Add* | *4.88* | |
| 23 05 29 00-0202 | EA | 8" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) | 87.04 | 8.62 |
| | | *For Work In Restricted Working Space, Add* | *5.17* | |
| 23 05 29 00-0203 | EA | 10" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) | 147.59 | 8.62 |
| | | *For Work In Restricted Working Space, Add* | *5.16* | |
| 23 05 29 00-0204 | EA | 12" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) | 237.85 | 9.70 |
| | | *For Work In Restricted Working Space, Add* | *5.81* | |
| 23 05 29 00-0205 | EA | 14" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) | 301.41 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| 23 05 29 00-0206 | EA | 16" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) | 328.03 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| 23 05 29 00-0207 | EA | 18" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) | 1,014.00 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *9.05* | |
| 23 05 29 00-0208 | EA | 20" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) | 1,165.27 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| 23 05 29 00-0209 | EA | 24" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) | 1,491.75 | 17.24 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |

## 23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0175)*

Note: Type 8.

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0211 | EA | 1/2" Steel Riser Clamp (Cooper B-Line B3373) | 18.33 | 6.47 |
| | | *For Work In Restricted Working Space, Add* | *3.88* | |
| 23 05 29 00-0212 | EA | 3/4" Steel Riser Clamp (Cooper B-Line B3373) | 19.06 | 6.58 |
| | | *For Work In Restricted Working Space, Add* | *3.95* | |
| 23 05 29 00-0213 | EA | 1" Steel Riser Clamp (Cooper B-Line B3373) | 19.34 | 6.68 |
| | | *For Work In Restricted Working Space, Add* | *4.01* | |
| 23 05 29 00-0214 | EA | 1-1/4" Steel Riser Clamp (Cooper B-Line B3373) | 20.80 | 6.79 |
| | | *For Work In Restricted Working Space, Add* | *4.07* | |
| 23 05 29 00-0215 | EA | 1-1/2" Steel Riser Clamp (Cooper B-Line B3373) | 21.58 | 6.90 |
| | | *For Work In Restricted Working Space, Add* | *4.14* | |
| 23 05 29 00-0216 | EA | 2" Steel Riser Clamp (Cooper B-Line B3373) | 22.08 | 7.01 |
| | | *For Work In Restricted Working Space, Add* | *4.20* | |
| 23 05 29 00-0217 | EA | 2-1/2" Steel Riser Clamp (Cooper B-Line B3373) | 23.01 | 7.22 |
| | | *For Work In Restricted Working Space, Add* | *4.33* | |
| 23 05 29 00-0218 | EA | 3" Steel Riser Clamp (Cooper B-Line B3373) | 24.34 | 7.43 |
| | | *For Work In Restricted Working Space, Add* | *4.46* | |
| 23 05 29 00-0219 | EA | 3-1/2" Steel Riser Clamp (Cooper B-Line B3373) | 26.59 | 7.54 |
| | | *For Work In Restricted Working Space, Add* | *4.53* | |
| 23 05 29 00-0220 | EA | 4" Steel Riser Clamp (Cooper B-Line B3373) | 32.42 | 9.70 |
| | | *For Work In Restricted Working Space, Add* | *5.82* | |
| 23 05 29 00-0221 | EA | 5" Steel Riser Clamp (Cooper B-Line B3373) | 42.01 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| 23 05 29 00-0222 | EA | 6" Steel Riser Clamp (Cooper B-Line B3373) | 53.22 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| 23 05 29 00-0223 | EA | 8" Steel Riser Clamp (Cooper B-Line B3373) | 71.92 | 18.87 |
| | | *For Work In Restricted Working Space, Add* | *11.32* | |
| 23 05 29 00-0224 | EA | 10" Steel Riser Clamp (Cooper B-Line B3373) | 93.72 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *12.93* | |
| 23 05 29 00-0225 | EA | 12" Steel Riser Clamp (Cooper B-Line B3373) | 112.79 | 23.71 |
| | | *For Work In Restricted Working Space, Add* | *14.23* | |
| 23 05 29 00-0226 | EA | 14" Steel Riser Clamp (Cooper B-Line B3373) | 150.08 | 25.87 |
| | | *For Work In Restricted Working Space, Add* | *15.52* | |
| 23 05 29 00-0227 | EA | 16" Steel Riser Clamp (Cooper B-Line B3373) | 280.56 | 28.02 |
| | | *For Work In Restricted Working Space, Add* | *16.82* | |

## 23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0175)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0229 | EA | 1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) | 31.18 | 6.47 |
| | | *For Work In Restricted Working Space, Add* | *3.88* | |
| 23 05 29 00-0230 | EA | 3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) | 31.68 | 6.58 |
| | | *For Work In Restricted Working Space, Add* | *3.95* | |
| 23 05 29 00-0231 | EA | 1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) | 32.94 | 6.68 |
| | | *For Work In Restricted Working Space, Add* | *4.01* | |
| 23 05 29 00-0232 | EA | 1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) | 35.13 | 6.79 |
| | | *For Work In Restricted Working Space, Add* | *4.07* | |
| 23 05 29 00-0233 | EA | 1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) | 39.50 | 6.90 |
| | | *For Work In Restricted Working Space, Add* | *4.14* | |
| 23 05 29 00-0234 | EA | 2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) | 41.88 | 7.01 |
| | | *For Work In Restricted Working Space, Add* | *4.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0235 | EA | 2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) | 45.25 | 7.22 |
| | | *For Work In Restricted Working Space, Add* | *4.33* | |
| 23 05 29 00-0236 | EA | 3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) | 49.61 | 7.43 |
| | | *For Work In Restricted Working Space, Add* | *4.46* | |
| 23 05 29 00-0237 | EA | 4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) | 67.08 | 9.70 |
| | | *For Work In Restricted Working Space, Add* | *5.82* | |
| **23 05 29 00-0238** | | **Two Bolt Steel Underground Clamp (Cooper B-Line B3132)** *(23 05 29 00-0175)* | | |
| | | Note: Type 42 | | |
| 23 05 29 00-0239 | EA | 4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) | 68.55 | 7.54 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| 23 05 29 00-0240 | EA | 6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) | 72.81 | 8.09 |
| | | *For Work In Restricted Working Space, Add* | *4.88* | |
| 23 05 29 00-0241 | EA | 8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) | 79.86 | 8.62 |
| | | *For Work In Restricted Working Space, Add* | *5.17* | |
| 23 05 29 00-0242 | EA | 10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) | 85.13 | 8.62 |
| | | *For Work In Restricted Working Space, Add* | *5.16* | |
| 23 05 29 00-0243 | EA | 12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) | 102.82 | 9.70 |
| | | *For Work In Restricted Working Space, Add* | *5.81* | |
| 23 05 29 00-0244 | EA | 14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) | 314.91 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| 23 05 29 00-0245 | EA | 16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) | 421.53 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| 23 05 29 00-0246 | EA | 18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) | 502.21 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *9.05* | |
| 23 05 29 00-0247 | EA | 20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) | 730.25 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| 23 05 29 00-0248 | EA | 24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) | 1,005.33 | 17.24 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| **23 05 29 00-0249** | | **Four Bolt Steel Underground Clamp (Cooper B-Line B3134)** *(23 05 29 00-0175)* | | |
| 23 05 29 00-0250 | EA | 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) | 63.40 | 7.54 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| 23 05 29 00-0251 | EA | 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) | 68.39 | 8.09 |
| | | *For Work In Restricted Working Space, Add* | *4.88* | |
| 23 05 29 00-0252 | EA | 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) | 118.23 | 8.62 |
| | | *For Work In Restricted Working Space, Add* | *5.17* | |
| 23 05 29 00-0253 | EA | 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) | 131.25 | 8.62 |
| | | *For Work In Restricted Working Space, Add* | *5.16* | |
| 23 05 29 00-0254 | EA | 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) | 187.87 | 9.70 |
| | | *For Work In Restricted Working Space, Add* | *5.81* | |
| 23 05 29 00-0255 | EA | 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) | 287.14 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| 23 05 29 00-0256 | EA | 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) | 384.83 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| 23 05 29 00-0257 | EA | 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) | 457.96 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *9.05* | |
| 23 05 29 00-0258 | EA | 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) | 668.10 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| 23 05 29 00-0259 | EA | 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) | 913.34 | 17.24 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| **23 05 29 00-0260** | | **Split Pipe Clamps And Rings** *(23 05 29 00-0001)* | | |
| **23 05 29 00-0261** | | **Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171)** *(23 05 29 00-0260)* | | |
| | | Note: Type 6. | | |
| 23 05 29 00-0262 | EA | 3/4" Adjustable Swivel Ring (Cooper B-Line B3171) | 30.18 | 9.89 |
| | | *For Work In Restricted Working Space, Add* | *5.94* | |
| 23 05 29 00-0263 | EA | 1" Adjustable Swivel Ring (Cooper B-Line B3171) | 31.96 | 10.48 |
| | | *For Work In Restricted Working Space, Add* | *6.29* | |
| 23 05 29 00-0264 | EA | 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) | 34.82 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *6.99* | |
| 23 05 29 00-0265 | EA | 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) | 37.44 | 12.22 |
| | | *For Work In Restricted Working Space, Add* | *7.34* | |
| 23 05 29 00-0266 | EA | 2" Adjustable Swivel Ring (Cooper B-Line B3171) | 40.34 | 12.81 |
| | | *For Work In Restricted Working Space, Add* | *7.68* | |
| 23 05 29 00-0267 | EA | 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) | 49.23 | 13.39 |
| | | *For Work In Restricted Working Space, Add* | *8.04* | |
| 23 05 29 00-0268 | EA | 3" Adjustable Swivel Ring (Cooper B-Line B3171) | 53.84 | 13.97 |
| | | *For Work In Restricted Working Space, Add* | *8.38* | |
| 23 05 29 00-0269 | EA | 4" Adjustable Swivel Ring (Cooper B-Line B3171) | 70.95 | 15.72 |
| | | *For Work In Restricted Working Space, Add* | *9.43* | |
| 23 05 29 00-0270 | EA | 5" Adjustable Swivel Ring (Cooper B-Line B3171) | 90.17 | 19.80 |
| | | *For Work In Restricted Working Space, Add* | *11.88* | |
| 23 05 29 00-0271 | EA | 6" Adjustable Swivel Ring (Cooper B-Line B3171) | 119.78 | 23.29 |
| | | *For Work In Restricted Working Space, Add* | *13.97* | |
| **23 05 29 00-0272** | | **Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)** *(23 05 29 00-0260)* | | |
| | | Note: Type 11. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0273 | EA | 1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) | 20.08 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *5.02* | |
| 23 05 29 00-0274 | EA | 3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) | 21.16 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *5.24* | |
| 23 05 29 00-0275 | EA | 1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) | 23.33 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *5.85* | |
| 23 05 29 00-0276 | EA | 1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) | 25.28 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *6.16* | |
| 23 05 29 00-0277 | EA | 1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) | 28.04 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *6.38* | |
| 23 05 29 00-0278 | EA | 2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) | 32.60 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 23 05 29 00-0279 | EA | 2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) | 42.73 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.31* | |
| 23 05 29 00-0280 | EA | 3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) | 47.32 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *7.63* | |
| 23 05 29 00-0281 | EA | 4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) | 50.47 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *8.36* | |

### 23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0260)*

Note: Type 12.

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0283 | EA | 1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) | 20.08 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *5.02* | |
| 23 05 29 00-0284 | EA | 3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) | 21.16 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | *5.24* | |
| 23 05 29 00-0285 | EA | 1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) | 23.33 | 9.95 |
| | | *For Work In Restricted Working Space, Add* | *5.85* | |
| 23 05 29 00-0286 | EA | 1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) | 25.28 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *6.16* | |
| 23 05 29 00-0287 | EA | 1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) | 28.04 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *6.38* | |
| 23 05 29 00-0288 | EA | 2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) | 32.60 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 23 05 29 00-0289 | EA | 2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) | 42.73 | 12.29 |
| | | *For Work In Restricted Working Space, Add* | *7.31* | |
| 23 05 29 00-0290 | EA | 3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) | 47.32 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *7.63* | |

### 23 05 29 00-0291 Pipe Straps *(23 05 29 00-0001)*

### 23 05 29 00-0292 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) *(23 05 29 00-0291)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0293 | EA | 1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) | 13.70 | 5.85 |
| | | *For Work In Restricted Working Space, Add* | *3.51* | |
| 23 05 29 00-0294 | EA | 3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) | 14.31 | 7.03 |
| | | *For Work In Restricted Working Space, Add* | *3.70* | |
| 23 05 29 00-0295 | EA | 1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) | 15.00 | 7.03 |
| | | *For Work In Restricted Working Space, Add* | *3.90* | |
| 23 05 29 00-0296 | EA | 1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) | 15.85 | 7.03 |
| | | *For Work In Restricted Working Space, Add* | *4.13* | |
| 23 05 29 00-0297 | EA | 1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) | 16.77 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *4.39* | |
| 23 05 29 00-0298 | EA | 2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) | 19.14 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *4.68* | |
| 23 05 29 00-0299 | EA | 2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) | 23.11 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *5.02* | |
| 23 05 29 00-0300 | EA | 3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) | 29.19 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *5.40* | |
| 23 05 29 00-0301 | EA | 4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) | 34.54 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 23 05 29 00-0302 | EA | 6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) | 41.97 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 23 05 29 00-0303 | EA | 8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) | 51.89 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *7.73* | |

### 23 05 29 00-0304 Two Hole Copper-Clad Pipe Straps *(23 05 29 00-0291)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0305 | EA | 1/2" Two Hole Copper-Clad Pipe Strap | 6.52 | |
| | | *For Work In Restricted Working Space, Add* | *1.76* | |
| 23 05 29 00-0306 | EA | 3/4" Two Hole Copper-Clad Pipe Strap | 6.93 | |
| | | *For Work In Restricted Working Space, Add* | *1.84* | |
| 23 05 29 00-0307 | EA | 1" Two Hole Copper-Clad Pipe Strap | 7.81 | |
| | | *For Work In Restricted Working Space, Add* | *1.93* | |
| 23 05 29 00-0308 | EA | 1-1/4" Two Hole Copper-Clad Pipe Strap | 8.73 | |
| | | *For Work In Restricted Working Space, Add* | *2.02* | |
| 23 05 29 00-0309 | EA | 1-1/2" Two Hole Copper-Clad Pipe Strap | 9.40 | |
| | | *For Work In Restricted Working Space, Add* | *2.11* | |
| 23 05 29 00-0310 | EA | 2" Two Hole Copper-Clad Pipe Strap | 10.20 | |
| | | *For Work In Restricted Working Space, Add* | *2.28* | |

### 23 05 29 00-0311 One Hole Galvanized Steel Pipe Straps *(23 05 29 00-0291)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0312 | EA | 1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D) | 2.83 | |
| | | *For Work In Restricted Working Space, Add* | *0.59* | |
| 23 05 29 00-0313 | EA | 3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D) | 3.35 | |
| | | *For Work In Restricted Working Space, Add* | *0.63* | |
| 23 05 29 00-0314 | EA | 1" One Hole Galvanized Steel Pipe Strap (Anvil 185D) | 3.60 | |
| | | *For Work In Restricted Working Space, Add* | *0.68* | |
| 23 05 29 00-0315 | EA | 1-1/4" Galvanized Steel Strap, 1 Hole | 3.87 | |
| | | *For Work In Restricted Working Space, Add* | *0.73* | |
| 23 05 29 00-0316 | EA | 1-1/2" Galvanized Steel Strap, 1 Hole | 4.16 | |
| | | *For Work In Restricted Working Space, Add* | *0.80* | |
| 23 05 29 00-0317 | EA | 2" Galvanized Steel Strap, 1 Hole | 4.64 | |
| | | *For Work In Restricted Working Space, Add* | *0.88* | |

## 23 05 29 00-0318 Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B-2400 Or Tripac 2STR) *(23 05 29 00-0291)*

Note: Designed for supporting pipe runs from strut supports.

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0319 | EA | 1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1/2ZN)<br>Note: Designed for supporting pipe runs from strut supports. | 46.18 | 18.73 |
| | | *For Work In Restricted Working Space, Add* | *11.24* | |
| 23 05 29 00-0320 | EA | 3/4" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3/4ZN)<br>Note: Designed for supporting pipe runs from strut supports. | 50.07 | 20.49 |
| | | *For Work In Restricted Working Space, Add* | *12.29* | |
| 23 05 29 00-0321 | EA | 1" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1ZN)<br>Note: Designed for supporting pipe runs from strut supports. | 54.11 | 22.24 |
| | | *For Work In Restricted Working Space, Add* | *13.34* | |
| 23 05 29 00-0322 | EA | 1-1/4" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/4ZN)<br>Note: Designed for supporting pipe runs from strut supports. | 58.18 | 23.99 |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 23 05 29 00-0323 | EA | 1-1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/2ZN)<br>Note: Designed for supporting pipe runs from strut supports. | 63.11 | 25.75 |
| | | *For Work In Restricted Working Space, Add* | *15.45* | |
| 23 05 29 00-0324 | EA | 2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-2ZN)<br>Note: Designed for supporting pipe runs from strut supports. | 71.94 | 28.09 |
| | | *For Work In Restricted Working Space, Add* | *16.86* | |
| 23 05 29 00-0325 | EA | 2-1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-21/2ZN)<br>Note: Designed for supporting pipe runs from strut supports. | 79.48 | 31.02 |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |
| 23 05 29 00-0326 | EA | 3" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3ZN)<br>Note: Designed for supporting pipe runs from strut supports. | 87.22 | 34.53 |
| | | *For Work In Restricted Working Space, Add* | *20.72* | |
| 23 05 29 00-0327 | EA | 3-1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-31/2ZN)<br>Note: Designed for supporting pipe runs from strut supports. | 87.90 | 34.53 |
| | | *For Work In Restricted Working Space, Add* | *20.72* | |
| 23 05 29 00-0328 | EA | 4" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-4ZN)<br>Note: Designed for supporting pipe runs from strut supports. | 102.14 | 40.38 |
| | | *For Work In Restricted Working Space, Add* | *24.23* | |
| 23 05 29 00-0329 | EA | 5" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-5ZN)<br>Note: Designed for supporting pipe runs from strut supports. | 121.47 | 46.83 |
| | | *For Work In Restricted Working Space, Add* | *27.74* | |
| 23 05 29 00-0330 | EA | 6" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-6ZN)<br>Note: Designed for supporting pipe runs from strut supports. | 136.68 | 52.09 |
| | | *For Work In Restricted Working Space, Add* | *31.25* | |
| 23 05 29 00-0331 | EA | 8" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-8AN)<br>Note: Designed for supporting pipe runs from strut supports. | 165.18 | 63.21 |
| | | *For Work In Restricted Working Space, Add* | *37.93* | |
| 23 05 29 00-0332 | EA | 10" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-10AN)<br>Note: Designed for supporting pipe runs from strut supports. | 195.93 | 73.75 |
| | | *For Work In Restricted Working Space, Add* | *44.25* | |
| 23 05 29 00-0333 | EA | 12" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-12AN)<br>Note: Designed for supporting pipe runs from strut supports. | 222.01 | 81.93 |
| | | *For Work In Restricted Working Space, Add* | *49.16* | |

## 23 05 29 00-0334 Standard Two Hole Pipe Strap, Stainless Steel (Cooper B-Line B-2400) *(23 05 29 00-0291)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0335 | EA | 1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1/2SS4) | 63.09 | 18.73 |
| | | *For Work In Restricted Working Space, Add* | *11.24* | |
| 23 05 29 00-0336 | EA | 3/4" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3/4SS4) | 67.71 | 21.07 |
| | | *For Work In Restricted Working Space, Add* | *12.29* | |
| 23 05 29 00-0337 | EA | 1" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1SS4) | 71.27 | 22.24 |
| | | *For Work In Restricted Working Space, Add* | *13.34* | |
| 23 05 29 00-0338 | EA | 1-1/4" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/4SS4) | 81.97 | 24.59 |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 23 05 29 00-0339 | EA | 1-1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/2SS4) | 81.66 | 25.75 |
| | | *For Work In Restricted Working Space, Add* | *15.45* | |
| 23 05 29 00-0340 | EA | 2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-2SS4) | 99.80 | 28.09 |
| | | *For Work In Restricted Working Space, Add* | *16.86* | |
| 23 05 29 00-0341 | EA | 2-1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-21/2SS4) | 94.91 | 25.75 |
| | | *For Work In Restricted Working Space, Add* | *15.10* | |
| 23 05 29 00-0342 | EA | 3" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3SS4) | 115.62 | 35.12 |
| | | *For Work In Restricted Working Space, Add* | *20.72* | |
| 23 05 29 00-0343 | EA | 3-1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-31/2SS4) | 127.58 | 37.45 |
| | | *For Work In Restricted Working Space, Add* | *22.48* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0344 | EA | 4" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-4SS4) | 142.41 | 40.97 |
| | | *For Work In Restricted Working Space, Add* | *24.23* | |
| 23 05 29 00-0345 | EA | 5" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-5SS4) | 182.01 | 46.83 |
| | | *For Work In Restricted Working Space, Add* | *27.74* | |
| 23 05 29 00-0346 | EA | 6" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-6SS4) | 199.90 | 52.68 |
| | | *For Work In Restricted Working Space, Add* | *31.25* | |
| 23 05 29 00-0347 | EA | 8" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-8SS4) | 249.02 | 63.21 |
| | | *For Work In Restricted Working Space, Add* | *37.93* | |
| 23 05 29 00-0348 | EA | 10" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-10SS4) | 289.02 | 73.75 |
| | | *For Work In Restricted Working Space, Add* | *44.25* | |
| 23 05 29 00-0349 | EA | 12" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-12SS4) | 510.20 | 81.93 |
| | | *For Work In Restricted Working Space, Add* | *49.16* | |
| 23 05 29 00-0350 | EA | 14" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-14SS4) | 381.94 | 90.13 |
| | | *For Work In Restricted Working Space, Add* | *54.08* | |

## 23 05 29 00-0351 Pipe and Equipment Support Brackets *(23 05 29 00-0001)*

## 23 05 29 00-0352 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) *(23 05 29 00-0351)*

Note: Up to 750# load.

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0353 | EA | 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) | 114.93 | 12.93 |
| | | *For Galvanized, Add* | *17.81* | |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| 23 05 29 00-0354 | EA | 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) | 116.56 | 12.93 |
| | | *For Galvanized, Add* | *18.14* | |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| 23 05 29 00-0355 | EA | 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) | 123.00 | 12.93 |
| | | *For Galvanized, Add* | *19.43* | |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |

## 23 05 29 00-0356 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) *(23 05 29 00-0351)*

Note: Up to 1500# load.

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0357 | EA | 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066) | 272.30 | 12.93 |
| | | *For Galvanized, Add* | *49.29* | |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| 23 05 29 00-0358 | EA | 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066) | 318.63 | 12.93 |
| | | *For Galvanized, Add* | *58.55* | |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| 23 05 29 00-0359 | EA | 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066) | 413.09 | 12.93 |
| | | *For Galvanized, Add* | *77.44* | |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |

## 23 05 29 00-0360 Pipe Alignment Guide *(23 05 29 00-0001)*

## 23 05 29 00-0361 Pipe Alignment Guide, 1" Insulation *(23 05 29 00-0360)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0362 | EA | 1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2) | 453.76 | 20.48 |
| 23 05 29 00-0363 | EA | 3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4) | 454.83 | 21.02 |
| 23 05 29 00-0364 | EA | 1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1) | 455.91 | 21.56 |
| 23 05 29 00-0365 | EA | 1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4) | 456.99 | 22.10 |
| 23 05 29 00-0366 | EA | 1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2) | 498.28 | 22.63 |
| 23 05 29 00-0367 | EA | 2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2) | 508.84 | 24.79 |
| 23 05 29 00-0368 | EA | 2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2) | 510.46 | 25.61 |
| 23 05 29 00-0369 | EA | 3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3) | 512.08 | 26.41 |
| 23 05 29 00-0370 | EA | 4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4) | 542.00 | 28.02 |
| 23 05 29 00-0371 | EA | 5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5) | 632.80 | 35.57 |
| 23 05 29 00-0372 | EA | 6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6) | 647.88 | 43.11 |
| 23 05 29 00-0373 | EA | 8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8) | 731.59 | 53.90 |
| 23 05 29 00-0374 | EA | 10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10) | 1,343.63 | 64.68 |
| 23 05 29 00-0375 | EA | 12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12) | 2,041.73 | 86.23 |
| 23 05 29 00-0376 | EA | 14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14) | 2,512.90 | 107.79 |
| 23 05 29 00-0377 | EA | 16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16) | 3,021.26 | 120.72 |
| 23 05 29 00-0378 | EA | 18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18) | 3,259.86 | 134.74 |
| 23 05 29 00-0379 | EA | 20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20) | 3,467.30 | 154.14 |
| 23 05 29 00-0380 | EA | 24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24) | 4,360.25 | 161.69 |

## 23 05 29 00-0381 Pipe Alignment Guide, 1-1/2" Insulation *(23 05 29 00-0360)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0382 | EA | 1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2) | 454.83 | 21.02 |
| 23 05 29 00-0383 | EA | 3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4) | 496.12 | 21.56 |
| 23 05 29 00-0384 | EA | 1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1) | 497.20 | 22.10 |
| 23 05 29 00-0385 | EA | 1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4) | 498.28 | 22.63 |
| 23 05 29 00-0386 | EA | 1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2) | 499.36 | 23.18 |
| 23 05 29 00-0387 | EA | 2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2) | 509.92 | 25.33 |
| 23 05 29 00-0388 | EA | 2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2) | 511.54 | 26.14 |
| 23 05 29 00-0389 | EA | 3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3) | 539.84 | 26.95 |
| 23 05 29 00-0390 | EA | 4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4) | 543.07 | 28.57 |
| 23 05 29 00-0391 | EA | 5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5) | 634.41 | 36.38 |
| 23 05 29 00-0392 | EA | 6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6) | 650.04 | 44.19 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0393 | EA | 8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8) | 734.29 | 55.24 |
| 23 05 29 00-0394 | EA | 10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10) | 1,346.86 | 66.29 |
| 23 05 29 00-0395 | EA | 12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12) | 2,046.04 | 88.39 |
| 23 05 29 00-0396 | EA | 14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14) | 2,518.29 | 110.49 |
| 23 05 29 00-0397 | EA | 16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16) | 3,027.73 | 123.96 |
| 23 05 29 00-0398 | EA | 18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18) | 3,266.33 | 137.97 |
| 23 05 29 00-0399 | EA | 20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20) | 3,474.85 | 157.91 |
| 23 05 29 00-0400 | EA | 24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24) | 4,368.34 | 165.73 |
| **23 05 29 00-0401** | | **Pipe Alignment Guide, 2" Insulation** *(23 05 29 00-0360)* | | |
| 23 05 29 00-0402 | EA | 1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2) | 496.12 | 21.56 |
| 23 05 29 00-0403 | EA | 3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4) | 503.45 | 22.10 |
| 23 05 29 00-0404 | EA | 1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1) | 504.53 | 22.63 |
| 23 05 29 00-0405 | EA | 1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4) | 505.61 | 23.18 |
| 23 05 29 00-0406 | EA | 1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2) | 506.68 | 23.71 |
| 23 05 29 00-0407 | EA | 2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2) | 537.67 | 25.87 |
| 23 05 29 00-0408 | EA | 2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2) | 539.84 | 26.95 |
| 23 05 29 00-0409 | EA | 3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3) | 541.18 | 27.62 |
| 23 05 29 00-0410 | EA | 4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4) | 619.86 | 29.10 |
| 23 05 29 00-0411 | EA | 5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5) | 636.03 | 37.19 |
| 23 05 29 00-0412 | EA | 6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6) | 714.35 | 45.27 |
| 23 05 29 00-0413 | EA | 8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8) | 805.82 | 56.59 |
| 23 05 29 00-0414 | EA | 10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10) | 1,350.09 | 67.91 |
| 23 05 29 00-0415 | EA | 12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12) | 2,050.35 | 90.55 |
| 23 05 29 00-0416 | EA | 14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14) | 2,523.68 | 113.18 |
| 23 05 29 00-0417 | EA | 16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16) | 3,033.95 | 127.07 |
| 23 05 29 00-0418 | EA | 18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18) | 3,273.33 | 141.47 |
| 23 05 29 00-0419 | EA | 20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20) | 3,482.39 | 161.69 |
| 23 05 29 00-0420 | EA | 24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24) | 4,376.42 | 169.77 |
| **23 05 29 00-0421** | | **Pipe Alignment Guide, 2-1/2" Insulation** *(23 05 29 00-0360)* | | |
| 23 05 29 00-0422 | EA | 1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2) | 503.45 | 22.10 |
| 23 05 29 00-0423 | EA | 3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4) | 531.21 | 22.63 |
| 23 05 29 00-0424 | EA | 1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1) | 532.29 | 23.18 |
| 23 05 29 00-0425 | EA | 1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4) | 533.36 | 23.71 |
| 23 05 29 00-0426 | EA | 1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2) | 534.44 | 24.26 |
| 23 05 29 00-0427 | EA | 2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2) | 538.76 | 26.41 |
| 23 05 29 00-0428 | EA | 2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2) | 541.18 | 27.62 |
| 23 05 29 00-0429 | EA | 3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3) | 618.24 | 28.29 |
| 23 05 29 00-0430 | EA | 4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4) | 620.94 | 29.64 |
| 23 05 29 00-0431 | EA | 5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5) | 699.26 | 37.72 |
| 23 05 29 00-0432 | EA | 6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6) | 716.50 | 46.35 |
| 23 05 29 00-0433 | EA | 8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8) | 1,330.16 | 57.94 |
| 23 05 29 00-0434 | EA | 10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10) | 2,008.31 | 69.52 |
| 23 05 29 00-0435 | EA | 12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12) | 2,482.72 | 92.70 |
| 23 05 29 00-0436 | EA | 14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14) | 2,529.50 | 115.88 |
| 23 05 29 00-0437 | EA | 16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16) | 3,040.66 | 130.42 |
| 23 05 29 00-0438 | EA | 18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18) | 3,280.34 | 144.98 |
| 23 05 29 00-0439 | EA | 20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20) | 3,490.48 | 165.73 |
| 23 05 29 00-0440 | EA | 24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24) | 4,385.04 | 174.08 |
| **23 05 29 00-0441** | | **Pipe Alignment Guide, 3" Insulation** *(23 05 29 00-0360)* | | |
| 23 05 29 00-0442 | EA | 1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2) | 531.21 | 22.63 |
| 23 05 29 00-0443 | EA | 3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4) | 532.29 | 23.18 |
| 23 05 29 00-0444 | EA | 1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1) | 533.36 | 23.71 |
| 23 05 29 00-0445 | EA | 1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4) | 534.44 | 24.26 |
| 23 05 29 00-0446 | EA | 1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2) | 535.52 | 24.79 |
| 23 05 29 00-0447 | EA | 2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2) | 615.55 | 26.95 |
| 23 05 29 00-0448 | EA | 2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2) | 618.24 | 28.29 |
| 23 05 29 00-0449 | EA | 3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3) | 619.86 | 29.10 |
| 23 05 29 00-0450 | EA | 4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4) | 684.59 | 30.40 |
| 23 05 29 00-0451 | EA | 5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5) | 701.41 | 38.80 |
| 23 05 29 00-0452 | EA | 6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6) | 787.50 | 47.42 |
| 23 05 29 00-0453 | EA | 8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8) | 1,332.85 | 59.29 |
| 23 05 29 00-0454 | EA | 10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10) | 2,011.54 | 71.15 |
| 23 05 29 00-0455 | EA | 12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12) | 2,487.03 | 94.86 |
| 23 05 29 00-0456 | EA | 14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14) | 2,534.89 | 118.57 |
| 23 05 29 00-0457 | EA | 16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16) | 3,047.14 | 133.66 |
| 23 05 29 00-0458 | EA | 18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18) | 3,286.81 | 148.21 |
| 23 05 29 00-0459 | EA | 20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20) | 3,498.56 | 169.77 |
| 23 05 29 00-0460 | EA | 24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24) | 4,393.66 | 178.39 |
| **23 05 29 00-0461** | | **Pipe Alignment Guide, 3-1/2" Insulation** *(23 05 29 00-0360)* | | |
| 23 05 29 00-0462 | EA | 1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2) | 532.29 | 23.18 |
| 23 05 29 00-0463 | EA | 3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4) | 609.07 | 23.71 |
| 23 05 29 00-0464 | EA | 1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1) | 610.15 | 24.26 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0465 | EA | 1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4) | 611.23 | 24.79 |
| 23 05 29 00-0466 | EA | 1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2) | 612.31 | 25.33 |
| 23 05 29 00-0467 | EA | 2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2) | 616.89 | 27.62 |
| 23 05 29 00-0468 | EA | 2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2) | 619.64 | 29.00 |
| 23 05 29 00-0469 | EA | 3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3) | 683.46 | 29.84 |
| 23 05 29 00-0470 | EA | 4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4) | 686.32 | 31.26 |
| 23 05 29 00-0471 | EA | 5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5) | 772.41 | 39.88 |
| 23 05 29 00-0472 | EA | 6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6) | 1,311.29 | 48.50 |
| 23 05 29 00-0473 | EA | 8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8) | 1,990.53 | 60.63 |
| 23 05 29 00-0474 | EA | 10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10) | 2,443.59 | 72.92 |
| 23 05 29 00-0475 | EA | 12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12) | 2,973.83 | 97.01 |
| 23 05 29 00-0476 | EA | 14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14) | 3,022.88 | 121.53 |
| 23 05 29 00-0477 | EA | 16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16) | 3,274.10 | 136.89 |
| 23 05 29 00-0478 | EA | 18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18) | 3,462.99 | 151.98 |
| 23 05 29 00-0479 | EA | 20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20) | 4,383.96 | 173.55 |

## 23 05 29 00-0480 Pipe Alignment Guide, 4" Insulation *(23 05 29 00-0360)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0481 | EA | 1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2) | 609.07 | 23.71 |
| 23 05 29 00-0482 | EA | 3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4) | 610.15 | 24.26 |
| 23 05 29 00-0483 | EA | 1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1) | 611.23 | 24.79 |
| 23 05 29 00-0484 | EA | 1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4) | 612.31 | 25.33 |
| 23 05 29 00-0485 | EA | 1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2) | 613.38 | 25.87 |
| 23 05 29 00-0486 | EA | 2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2) | 680.39 | 28.29 |
| 23 05 29 00-0487 | EA | 2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2) | 683.09 | 29.64 |
| 23 05 29 00-0488 | EA | 3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3) | 684.91 | 30.56 |
| 23 05 29 00-0489 | EA | 4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4) | 756.77 | 32.07 |
| 23 05 29 00-0490 | EA | 5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5) | 1,296.20 | 40.96 |
| 23 05 29 00-0491 | EA | 6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6) | 1,313.45 | 49.58 |
| 23 05 29 00-0492 | EA | 8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8) | 1,993.22 | 61.98 |
| 23 05 29 00-0493 | EA | 10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10) | 2,447.57 | 74.91 |
| 23 05 29 00-0494 | EA | 12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12) | 2,978.68 | 99.44 |
| 23 05 29 00-0495 | EA | 14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14) | 3,238.30 | 123.96 |
| 23 05 29 00-0496 | EA | 16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16) | 3,439.28 | 140.12 |
| 23 05 29 00-0497 | EA | 18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18) | 4,349.47 | 156.29 |

## 23 05 29 00-0498 Sway Bracing For No Hub Pipe *(23 05 29 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0499 | EA | 1-1/2" Sway Bracing | 155.17 | 14.23 |
| | | *For Work In Restricted Working Space, Add* | *8.51* | |
| 23 05 29 00-0500 | EA | 2" Sway Bracing | 159.77 | 14.98 |
| | | *For Work In Restricted Working Space, Add* | *8.99* | |
| 23 05 29 00-0501 | EA | 3" Sway Bracing | 165.37 | 15.84 |
| | | *For Work In Restricted Working Space, Add* | *9.51* | |
| 23 05 29 00-0502 | EA | 4" Sway Bracing | 187.72 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 23 05 29 00-0503 | EA | 6" Sway Bracing | 275.25 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| 23 05 29 00-0504 | EA | 8" Sway Bracing | 303.75 | 33.63 |
| | | *For Work In Restricted Working Space, Add* | *20.21* | |
| 23 05 29 00-0505 | EA | 10" Sway Bracing | 340.35 | 44.95 |
| | | *For Work In Restricted Working Space, Add* | *26.95* | |

## 23 05 29 00-0506 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) *(23 05 29 00-0001)*

Note: Heights listed is total for base and adjustable saddle

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0507 | EA | 23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 367.86 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| 23 05 29 00-0508 | EA | 24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 375.63 | 11.86 |
| | | *For Work In Restricted Working Space, Add* | *7.11* | |
| 23 05 29 00-0509 | EA | 24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 734.89 | 13.48 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 23 05 29 00-0510 | EA | 24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 904.56 | 15.09 |
| | | *For Work In Restricted Working Space, Add* | *9.05* | |
| 23 05 29 00-0511 | EA | 24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 915.50 | 16.71 |
| | | *For Work In Restricted Working Space, Add* | *10.02* | |
| 23 05 29 00-0512 | EA | 25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 1,004.56 | 18.87 |
| | | *For Work In Restricted Working Space, Add* | *11.32* | |
| 23 05 29 00-0513 | EA | 25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 1,201.89 | 20.48 |
| | | *For Work In Restricted Working Space, Add* | *12.29* | |
| 23 05 29 00-0514 | EA | 25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 1,215.28 | 22.10 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0515 | EA | 26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 1,232.38 | 24.26 |
| | | *For Work In Restricted Working Space, Add* | *14.55* | |
| 23 05 29 00-0516 | EA | 28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 1,281.85 | 26.41 |
| | | *For Work In Restricted Working Space, Add* | *15.85* | |
| 23 05 29 00-0517 | EA | 29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 1,370.95 | 29.10 |
| | | *For Work In Restricted Working Space, Add* | *17.46* | |
| 23 05 29 00-0518 | EA | 30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 1,410.34 | 32.33 |
| | | *For Work In Restricted Working Space, Add* | *19.40* | |
| 23 05 29 00-0519 | EA | 32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 1,721.31 | 35.57 |
| | | *For Work In Restricted Working Space, Add* | *21.35* | |
| 23 05 29 00-0520 | EA | 33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 1,874.03 | 39.88 |
| | | *For Work In Restricted Working Space, Add* | *23.93* | |
| 23 05 29 00-0521 | EA | 35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 2,657.65 | 44.19 |
| | | *For Work In Restricted Working Space, Add* | *26.52* | |
| 23 05 29 00-0522 | EA | 36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 3,263.15 | 48.50 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |
| 23 05 29 00-0523 | EA | 39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) | 3,907.59 | 52.82 |
| | | *For Work In Restricted Working Space, Add* | *31.69* | |

## 23 05 29 00-0524 Channel Mounted Cushion Clamp *(23 05 29 00-0001)*

Note: Includes fastening into channel.

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0525 | EA | 1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050) | 12.93 | 4.86 |
| 23 05 29 00-0526 | EA | 5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062) | 13.61 | 5.39 |
| 23 05 29 00-0527 | EA | 7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087) | 15.07 | 5.66 |
| 23 05 29 00-0528 | EA | 1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112) | 16.13 | 5.93 |
| 23 05 29 00-0529 | EA | 1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137) | 17.99 | 6.47 |
| 23 05 29 00-0530 | EA | 1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162) | 20.09 | 6.74 |
| 23 05 29 00-0531 | EA | 2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212) | 25.31 | 7.01 |
| 23 05 29 00-0532 | EA | 2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262) | 27.98 | 7.54 |
| 23 05 29 00-0533 | EA | 3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312) | 34.37 | 8.62 |
| 23 05 29 00-0534 | EA | 4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412) | 51.95 | 9.70 |

## 23 05 29 00-0535 Galvanized Steel Cushion Tube Clamp (KMC) *(23 05 29 00-0001)*

Note: Excludes fastening bolt and drilling if necessary.

| | | | |
|---|---|---|---|
| 23 05 29 00-0536 | EA | 1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe<br>Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw | 4.32 |
| 23 05 29 00-0537 | EA | 1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe<br>Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw | 4.50 |
| 23 05 29 00-0538 | EA | 5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe<br>Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw | 4.63 |
| 23 05 29 00-0539 | EA | 5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe<br>Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw | 4.94 |
| 23 05 29 00-0540 | EA | 7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe<br>Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw | 4.57 |
| 23 05 29 00-0541 | EA | 7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe<br>Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw | 5.13 |
| 23 05 29 00-0542 | EA | 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe<br>Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw | 4.79 |
| 23 05 29 00-0543 | EA | 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe<br>Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw | 5.47 |
| 23 05 29 00-0544 | EA | 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe<br>Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw | 5.51 |
| 23 05 29 00-0545 | EA | 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe<br>Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw | 5.10 |
| 23 05 29 00-0546 | EA | 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe<br>Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw | 5.41 |
| 23 05 29 00-0547 | EA | 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe<br>Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw | 6.38 |
| 23 05 29 00-0548 | EA | 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe<br>Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw | 5.44 |
| 23 05 29 00-0549 | EA | 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe<br>Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw | 6.07 |
| 23 05 29 00-0550 | EA | 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe<br>Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw | 7.10 |
| 23 05 29 00-0551 | EA | 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe<br>Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw | 7.20 |
| 23 05 29 00-0552 | EA | 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe<br>Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw | 7.76 |
| 23 05 29 00-0553 | EA | 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe<br>Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw | 8.88 |
| 23 05 29 00-0554 | EA | 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe<br>Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw | 9.23 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0555 | EA | 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe<br>Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw | 10.92 | |
| 23 05 29 00-0556 | EA | 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe<br>Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw | 11.04 | |
| 23 05 29 00-0557 | EA | 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe<br>Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw | 9.57 | |
| 23 05 29 00-0558 | EA | 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe<br>Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw | 10.92 | |
| 23 05 29 00-0559 | EA | 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe<br>Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw | 11.73 | |
| 23 05 29 00-0560 | EA | 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe<br>Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw | 10.01 | |
| 23 05 29 00-0561 | EA | 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe<br>Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw | 10.83 | |
| 23 05 29 00-0562 | EA | 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe<br>Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw | 13.99 | |
| 23 05 29 00-0563 | EA | 4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe<br>Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw | 9.92 | |
| 23 05 29 00-0564 | EA | 4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe<br>Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw | 11.11 | |
| 23 05 29 00-0565 | EA | 4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe<br>Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw | 14.67 | |
| **23 05 29 00-0566** | | **Rooftop Pipe Supports** *(23 05 29 00-0001)*<br>Note: Excludes pipe/conduit clamps and straps. | | |
| **23 05 29 00-0567** | | **Rooftop Support Base** *(23 05 29 00-0566)* | | |
| 23 05 29 00-0568 | EA | 4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM) | 39.67 | 8.78 |
| 23 05 29 00-0569 | EA | 4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP) | 55.30 | 11.71 |
| **23 05 29 00-0570** | | **Rooftop Support Base With 14 Gauge Galvanized Channel** *(23 05 29 00-0566)* | | |
| 23 05 29 00-0571 | EA | 5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5) | 45.17 | 8.78 |
| 23 05 29 00-0572 | EA | 5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10) | 64.25 | 11.71 |
| 23 05 29 00-0573 | EA | 5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20) | 119.21 | 14.63 |
| 23 05 29 00-0574 | EA | 5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30) | 164.98 | 17.56 |
| 23 05 29 00-0575 | EA | 5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40) | 228.78 | 20.49 |
| 23 05 29 00-0576 | EA | 5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48) | 241.13 | 23.41 |
| **23 05 29 00-0577** | | **Rooftop Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0566)* | | |
| 23 05 29 00-0578 | EA | 6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610) | 78.86 | 11.71 |
| 23 05 29 00-0579 | EA | 6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620) | 125.73 | 14.63 |
| 23 05 29 00-0580 | EA | 6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630) | 167.60 | 17.56 |
| 23 05 29 00-0581 | EA | 6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640) | 228.93 | 20.49 |
| 23 05 29 00-0582 | EA | 6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648) | 257.99 | 17.56 |
| **23 05 29 00-0583** | | **Rooftop Bridge Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0566)* | | |
| 23 05 29 00-0584 | EA | 5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28) | 132.26 | 17.56 |
| 23 05 29 00-0585 | EA | 5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36) | 150.59 | 20.49 |
| 23 05 29 00-0586 | EA | 5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42) | 156.40 | 23.41 |
| 23 05 29 00-0587 | EA | 5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50) | 171.13 | 26.34 |
| 23 05 29 00-0588 | EA | 5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60) | 219.38 | 29.27 |
| **23 05 29 00-0589** | | **Rooftop Pipe Support Base And Rod** *(23 05 29 00-0566)* | | |
| 23 05 29 00-0590 | EA | 9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT) | 96.17 | 11.71 |
| 23 05 29 00-0591 | EA | 9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT) | 96.17 | 11.71 |
| 23 05 29 00-0592 | EA | 9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT) | 96.71 | 11.71 |
| 23 05 29 00-0593 | EA | 10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT) | 103.13 | 14.63 |
| 23 05 29 00-0594 | EA | 10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT) | 99.13 | 14.63 |
| 23 05 29 00-0595 | EA | 10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT) | 104.27 | 14.63 |
| **23 05 29 00-0596** | | **Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly** *(23 05 29 00-0566)* | | |
| 23 05 29 00-0597 | EA | 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2) | 122.35 | 11.71 |
| 23 05 29 00-0598 | EA | 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6) | 136.71 | 11.71 |
| 23 05 29 00-0599 | EA | 8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10) | 179.28 | 14.63 |
| 23 05 29 00-0600 | EA | 9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14) | 237.97 | 14.63 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0601 | EA | 9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20) | 325.14 | 14.63 |
| **23 05 29 00-0602** | | **Rooftop Support Base And Adjustable Height Roller Assembly** *(23 05 29 00-0566)* | | |
| | | Note: Includes base, two zinc all threaded rod risers and pipe roller. | | |
| 23 05 29 00-0603 | EA | Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12) | 152.16 | 17.56 |
| **23 05 29 00-0604** | | **Rooftop Support Base And Adjustable Height Channel Assembly** *(23 05 29 00-0566)* | | |
| | | Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel. | | |
| 23 05 29 00-0605 | EA | Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8) | 99.40 | 14.63 |
| 23 05 29 00-0606 | EA | Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12) | 135.74 | 17.56 |
| 23 05 29 00-0607 | EA | Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16) | 151.26 | 20.49 |
| **23 05 29 00-0608** | | **Rooftop Support Bases With Channel Support And Risers Assembly** *(23 05 29 00-0566)* | | |
| | | Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length). | | |
| 23 05 29 00-0609 | EA | 23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS) | 368.24 | 23.41 |
| 23 05 29 00-0610 | EA | 29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS) | 372.37 | 23.41 |
| 23 05 29 00-0611 | EA | 41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS) | 386.86 | 23.41 |
| 23 05 29 00-0612 | EA | 53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS) | 420.13 | 23.41 |
| 23 05 29 00-0613 | EA | 23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS) | 360.86 | 23.41 |
| 23 05 29 00-0614 | EA | 29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS) | 374.73 | 23.41 |
| 23 05 29 00-0615 | EA | 41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS) | 389.22 | 23.41 |
| 23 05 29 00-0616 | EA | 53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS) | 422.47 | 23.41 |
| 23 05 29 00-0617 | EA | 23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS) | 377.34 | 23.41 |
| 23 05 29 00-0618 | EA | 29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS) | 382.18 | 23.41 |
| 23 05 29 00-0619 | EA | 41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS) | 396.39 | 23.41 |
| 23 05 29 00-0620 | EA | 53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS) | 429.79 | 23.41 |
| 23 05 29 00-0621 | EA | 23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS) | 394.18 | 23.41 |
| 23 05 29 00-0622 | EA | 29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS) | 398.59 | 23.41 |
| 23 05 29 00-0623 | EA | 41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS) | 412.81 | 23.41 |
| 23 05 29 00-0624 | EA | 53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS) | 446.21 | 23.41 |
| **23 05 29 00-0625** | | **Rooftop Duct Supports** *(23 05 29 00-0001)* | | |
| 23 05 29 00-0626 | EA | Up To 24" Height x Up To 48" Width Adjustable Galvanized Steel Duct Support Stand | 244.96 | 43.90 |
| 23 05 29 00-0627 | EA | >24" To 48" Height x Up To 48" Width Adjustable Galvanized Steel Duct Support Stand | 285.73 | 46.83 |
| 23 05 29 00-0628 | EA | >48" To 60" Height x Up To 48" Width Adjustable Galvanized Steel Duct Support Stand | 332.35 | 52.68 |
| **23 05 29 00-0629** | | **Threaded Rod, Accessories And Attachments** *(23 05 29)* | | |
| **23 05 29 00-0630** | | **Threaded Rod And Rod Accessories** *(23 05 29 00-0629)* | | |
| **23 05 29 00-0631** | | **Threaded Rod** *(23 05 29 00-0630)* | | |
| | | Note: Fully threaded. | | |
| 23 05 29 00-0632 | LF | 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 4.46 | 0.73 |
| | | *For Galvanized, Add* | *1.20* | |
| | | *For Zinc Plated, Add* | *0.86* | |
| | | *For Work In Restricted Working Space, Add* | *0.44* | |
| 23 05 29 00-0633 | LF | 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 6.33 | 0.79 |
| | | *For Galvanized, Add* | *1.91* | |
| | | *For Zinc Plated, Add* | *1.36* | |
| | | *For Work In Restricted Working Space, Add* | *0.47* | |
| 23 05 29 00-0634 | LF | 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 9.00 | 0.81 |
| | | *For Galvanized, Add* | *2.96* | |
| | | *For Zinc Plated, Add* | *2.11* | |
| | | *For Work In Restricted Working Space, Add* | *0.48* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0635 | LF | 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 15.09 | 0.84 |
| | | *For Galvanized, Add* | *5.37* | |
| | | *For Zinc Plated, Add* | *3.83* | |
| | | *For Work In Restricted Working Space, Add* | *0.50* | |
| 23 05 29 00-0636 | LF | 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 16.48 | 0.86 |
| | | *For Galvanized, Add* | *5.90* | |
| | | *For Zinc Plated, Add* | *4.21* | |
| | | *For Work In Restricted Working Space, Add* | *0.52* | |
| 23 05 29 00-0637 | LF | 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 22.67 | 0.97 |
| | | *For Galvanized, Add* | *8.29* | |
| | | *For Zinc Plated, Add* | *5.91* | |
| | | *For Work In Restricted Working Space, Add* | *0.59* | |
| 23 05 29 00-0638 | LF | 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 28.31 | 1.09 |
| | | *For Galvanized, Add* | *10.46* | |
| | | *For Zinc Plated, Add* | *7.45* | |
| | | *For Work In Restricted Working Space, Add* | *0.65* | |

## 23 05 29 00-0639 Rod Couplings *(23 05 29 00-0630)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0640 | EA | 3/8" Diameter, Threaded Rod Coupling Nut | 9.00 | |
| | | *For Work In Restricted Working Space, Add* | *2.15* | |
| 23 05 29 00-0641 | EA | 1/2" Diameter, Threaded Rod Coupling Nut | 10.25 | |
| | | *For Work In Restricted Working Space, Add* | *2.39* | |
| 23 05 29 00-0642 | EA | 5/8" Diameter, Threaded Rod Coupling Nut | 13.02 | |
| | | *For Work In Restricted Working Space, Add* | *2.70* | |
| 23 05 29 00-0643 | EA | 3/4" Diameter, Threaded Rod Coupling Nut | 16.11 | |
| | | *For Work In Restricted Working Space, Add* | *2.94* | |
| 23 05 29 00-0644 | EA | 7/8" Diameter, Threaded Rod Coupling Nut | 24.33 | |
| | | *For Work In Restricted Working Space, Add* | *3.23* | |
| 23 05 29 00-0645 | EA | 1" Diameter, Threaded Rod Coupling Nut | 28.89 | |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| 23 05 29 00-0646 | EA | 1-1/8" Diameter, Threaded Rod Coupling Nut | 57.28 | |
| | | *For Work In Restricted Working Space, Add* | *4.31* | |

## 23 05 29 00-0647 Flat Washers *(23 05 29 00-0630)*

Note: Zinc plated.

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0648 | EA | 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 0.64 | 0.23 |
| | | *For Galvanized, Add* | *0.04* | |
| | | *For Work In Restricted Working Space, Add* | *0.14* | |
| 23 05 29 00-0649 | EA | 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 0.89 | 0.23 |
| | | *For Galvanized, Add* | *0.09* | |
| | | *For Work In Restricted Working Space, Add* | *0.17* | |
| 23 05 29 00-0650 | EA | 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 1.31 | 0.35 |
| | | *For Galvanized, Add* | *0.17* | |
| | | *For Work In Restricted Working Space, Add* | *0.20* | |
| 23 05 29 00-0651 | EA | 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 1.79 | 0.35 |
| | | *For Galvanized, Add* | *0.24* | |
| | | *For Work In Restricted Working Space, Add* | *0.25* | |
| 23 05 29 00-0652 | EA | 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 2.11 | 0.47 |
| | | *For Galvanized, Add* | *0.28* | |
| | | *For Work In Restricted Working Space, Add* | *0.29* | |
| 23 05 29 00-0653 | EA | 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 2.48 | 0.47 |
| | | *For Galvanized, Add* | *0.35* | |
| | | *For Work In Restricted Working Space, Add* | *0.33* | |
| 23 05 29 00-0654 | EA | 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 2.79 | 0.58 |
| | | *For Galvanized, Add* | *0.39* | |
| | | *For Work In Restricted Working Space, Add* | *0.37* | |

## 23 05 29 00-0655 Hex Nuts *(23 05 29 00-0630)*

Note: Grade 2 and zinc plated.

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0656 | EA | 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 0.79 | 0.29 |
| | | *For Galvanized, Add* | *0.03* | |
| | | *For Work In Restricted Working Space, Add* | *0.20* | |
| 23 05 29 00-0657 | EA | 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 1.03 | 0.29 |
| | | *For Galvanized, Add* | *0.07* | |
| | | *For Work In Restricted Working Space, Add* | *0.22* | |
| 23 05 29 00-0658 | EA | 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 1.43 | 0.29 |
| | | *For Galvanized, Add* | *0.17* | |
| | | *For Work In Restricted Working Space, Add* | *0.23* | |
| 23 05 29 00-0659 | EA | 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 1.71 | 0.58 |
| | | *For Galvanized, Add* | *0.22* | |
| | | *For Work In Restricted Working Space, Add* | *0.25* | |
| 23 05 29 00-0660 | EA | 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 2.54 | 0.58 |
| | | *For Galvanized, Add* | *0.42* | |
| | | *For Work In Restricted Working Space, Add* | *0.26* | |
| 23 05 29 00-0661 | EA | 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 3.25 | 0.58 |
| | | *For Galvanized, Add* | *0.57* | |
| | | *For Work In Restricted Working Space, Add* | *0.29* | |
| 23 05 29 00-0662 | EA | 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 5.39 | 0.58 |
| | | *For Galvanized, Add* | *1.08* | |
| | | *For Work In Restricted Working Space, Add* | *0.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 05 29 00-0663** | | **Turnbuckle (Cooper B-Line B3202)** *(23 05 29 00-0630)* Note: Type 13. | | |
| 23 05 29 00-0664 | EA | 3/8" Turnbuckle (Cooper B-Line B3202) | 26.21 | 5.85 |
| | | *For Work In Restricted Working Space, Add* | *3.51* | |
| 23 05 29 00-0665 | EA | 1/2" Turnbuckle (Cooper B-Line B3202) | 31.03 | 6.43 |
| | | *For Work In Restricted Working Space, Add* | *3.90* | |
| 23 05 29 00-0666 | EA | 5/8" Turnbuckle (Cooper B-Line B3202) | 33.48 | 7.03 |
| | | *For Work In Restricted Working Space, Add* | *4.39* | |
| 23 05 29 00-0667 | EA | 3/4" Turnbuckle (Cooper B-Line B3202) | 41.97 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *5.02* | |
| 23 05 29 00-0668 | EA | 7/8" Turnbuckle (Cooper B-Line B3202) | 54.11 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | *5.86* | |
| 23 05 29 00-0669 | EA | 1" Turnbuckle (Cooper B-Line B3202) | 67.09 | 9.37 |
| | | *For Work In Restricted Working Space, Add* | *7.03* | |
| 23 05 29 00-0670 | EA | 1-1/8" Turnbuckle (Cooper B-Line B3202) | 92.76 | 10.54 |
| | | *For Work In Restricted Working Space, Add* | *8.78* | |
| **23 05 29 00-0671** | | **Swivel Turnbuckle (Cooper B-Line B3224)** *(23 05 29 00-0630)* Note: Type 15. | | |
| 23 05 29 00-0672 | EA | 3/8" Swivel Turnbuckle (Cooper B-Line B3224) | 17.05 | 5.85 |
| | | *For Work In Restricted Working Space, Add* | *3.51* | |
| 23 05 29 00-0673 | EA | 1/2" Swivel Turnbuckle (Cooper B-Line B3224) | 19.67 | 6.55 |
| | | *For Work In Restricted Working Space, Add* | *3.90* | |
| 23 05 29 00-0674 | EA | 5/8" Swivel Turnbuckle (Cooper B-Line B3224) | 25.80 | 7.26 |
| | | *For Work In Restricted Working Space, Add* | *4.39* | |
| 23 05 29 00-0675 | EA | 3/4" Swivel Turnbuckle (Cooper B-Line B3224) | 31.09 | 8.31 |
| | | *For Work In Restricted Working Space, Add* | *5.02* | |
| **23 05 29 00-0676** | | **Forged Steel Clevis (Cooper B-Line B3201)** *(23 05 29 00-0630)* Note: Type 14. | | |
| 23 05 29 00-0677 | EA | 3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201) | 85.54 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| 23 05 29 00-0678 | EA | 4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201) | 125.26 | 11.32 |
| | | *For Work In Restricted Working Space, Add* | *6.81* | |
| 23 05 29 00-0679 | EA | 5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201) | 135.41 | 11.86 |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 05 29 00-0680 | EA | 5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201) | 141.05 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *7.61* | |
| 23 05 29 00-0681 | EA | 5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201) | 148.68 | 14.56 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 05 29 00-0682 | EA | 6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201) | 246.69 | 18.87 |
| | | *For Work In Restricted Working Space, Add* | *11.32* | |
| 23 05 29 00-0683 | EA | 5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201) | 267.97 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *12.93* | |
| 23 05 29 00-0684 | EA | 7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201) | 316.23 | 26.95 |
| | | *For Work In Restricted Working Space, Add* | *16.17* | |
| **23 05 29 00-0685** | | **Welded Eye Rod (Cooper B-Line B3211)** *(23 05 29 00-0630)* | | |
| 23 05 29 00-0686 | EA | 3/8" Diameter x 8" Length Shank, Welded Eye Rod | 26.16 | 6.32 |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| 23 05 29 00-0687 | EA | 3/8" Diameter x 10" Length Shank, Welded Eye Rod | 26.99 | 6.43 |
| | | *For Work In Restricted Working Space, Add* | *3.88* | |
| 23 05 29 00-0688 | EA | 3/8" Diameter x 12" Length Shank, Welded Eye Rod | 27.81 | 6.55 |
| | | *For Work In Restricted Working Space, Add* | *3.95* | |
| 23 05 29 00-0689 | EA | 3/8" Diameter x 14" Length Shank, Welded Eye Rod | 28.05 | 6.68 |
| | | *For Work In Restricted Working Space, Add* | *4.02* | |
| 23 05 29 00-0690 | EA | 3/8" Diameter x 18" Length Shank, Welded Eye Rod | 29.70 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *4.17* | |
| 23 05 29 00-0691 | EA | 3/8" Diameter x 24" Length Shank, Welded Eye Rod | 31.62 | 7.37 |
| | | *For Work In Restricted Working Space, Add* | *4.39* | |
| 23 05 29 00-0692 | EA | 3/8" Diameter x 30" Length Shank, Welded Eye Rod | 32.93 | 7.72 |
| | | *For Work In Restricted Working Space, Add* | *4.61* | |
| 23 05 29 00-0693 | EA | 3/8" Diameter x 36" Length Shank, Welded Eye Rod | 35.43 | 8.07 |
| | | *For Work In Restricted Working Space, Add* | *4.83* | |
| 23 05 29 00-0694 | EA | 3/8" Diameter x 42" Length Shank, Welded Eye Rod | 37.32 | 8.43 |
| | | *For Work In Restricted Working Space, Add* | *5.05* | |
| 23 05 29 00-0695 | EA | 3/8" Diameter x 48" Length Shank, Welded Eye Rod | 39.24 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | *5.27* | |
| 23 05 29 00-0696 | EA | 1/2" Diameter x 8" Length Shank, Welded Eye Rod | 34.53 | 7.03 |
| | | *For Work In Restricted Working Space, Add* | *4.21* | |
| 23 05 29 00-0697 | EA | 1/2" Diameter x 10" Length Shank, Welded Eye Rod | 35.37 | 7.14 |
| | | *For Work In Restricted Working Space, Add* | *4.29* | |
| 23 05 29 00-0698 | EA | 1/2" Diameter x 12" Length Shank, Welded Eye Rod | 36.23 | 7.26 |
| | | *For Work In Restricted Working Space, Add* | *4.37* | |
| 23 05 29 00-0699 | EA | 1/2" Diameter x 14" Length Shank, Welded Eye Rod | 37.08 | 7.37 |
| | | *For Work In Restricted Working Space, Add* | *4.45* | |
| 23 05 29 00-0700 | EA | 1/2" Diameter x 18" Length Shank, Welded Eye Rod | 38.76 | 7.61 |
| | | *For Work In Restricted Working Space, Add* | *4.60* | |
| 23 05 29 00-0701 | EA | 1/2" Diameter x 24" Length Shank, Welded Eye Rod | 41.88 | 8.08 |
| | | *For Work In Restricted Working Space, Add* | *4.84* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0702 | EA | 1/2" Diameter x 30" Length Shank, Welded Eye Rod | 44.43 | 8.43 |
| | | *For Work In Restricted Working Space, Add* | *5.07* | |
| 23 05 29 00-0703 | EA | 1/2" Diameter x 36" Length Shank, Welded Eye Rod | 47.54 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | *5.30* | |
| 23 05 29 00-0704 | EA | 1/2" Diameter x 42" Length Shank, Welded Eye Rod | 50.06 | 9.25 |
| | | *For Work In Restricted Working Space, Add* | *5.54* | |
| 23 05 29 00-0705 | EA | 1/2" Diameter x 48" Length Shank, Welded Eye Rod | 52.61 | 9.60 |
| | | *For Work In Restricted Working Space, Add* | *5.77* | |
| 23 05 29 00-0706 | EA | 5/8" Diameter x 8" Length Shank, Welded Eye Rod | 46.16 | 7.85 |
| | | *For Work In Restricted Working Space, Add* | *4.71* | |
| 23 05 29 00-0707 | EA | 5/8" Diameter x 10" Length Shank, Welded Eye Rod | 47.59 | 7.97 |
| | | *For Work In Restricted Working Space, Add* | *4.79* | |
| 23 05 29 00-0708 | EA | 5/8" Diameter x 12" Length Shank, Welded Eye Rod | 49.05 | 8.08 |
| | | *For Work In Restricted Working Space, Add* | *4.88* | |
| 23 05 29 00-0709 | EA | 5/8" Diameter x 14" Length Shank, Welded Eye Rod | 49.90 | 8.31 |
| | | *For Work In Restricted Working Space, Add* | *4.96* | |
| 23 05 29 00-0710 | EA | 5/8" Diameter x 18" Length Shank, Welded Eye Rod | 52.19 | 8.55 |
| | | *For Work In Restricted Working Space, Add* | *5.12* | |
| 23 05 29 00-0711 | EA | 5/8" Diameter x 24" Length Shank, Welded Eye Rod | 55.93 | 8.90 |
| | | *For Work In Restricted Working Space, Add* | *5.36* | |
| 23 05 29 00-0712 | EA | 5/8" Diameter x 30" Length Shank, Welded Eye Rod | 59.65 | 9.37 |
| | | *For Work In Restricted Working Space, Add* | *5.60* | |
| 23 05 29 00-0713 | EA | 5/8" Diameter x 36" Length Shank, Welded Eye Rod | 62.81 | 9.72 |
| | | *For Work In Restricted Working Space, Add* | *5.85* | |
| 23 05 29 00-0714 | EA | 5/8" Diameter x 42" Length Shank, Welded Eye Rod | 66.55 | 10.18 |
| | | *For Work In Restricted Working Space, Add* | *6.09* | |
| 23 05 29 00-0715 | EA | 5/8" Diameter x 48" Length Shank, Welded Eye Rod | 70.27 | 10.54 |
| | | *For Work In Restricted Working Space, Add* | *6.33* | |
| 23 05 29 00-0716 | EA | 3/4" Diameter x 8" Length Shank, Welded Eye Rod | 56.49 | 8.90 |
| | | *For Work In Restricted Working Space, Add* | *5.36* | |
| 23 05 29 00-0717 | EA | 3/4" Diameter x 10" Length Shank, Welded Eye Rod | 58.54 | 9.01 |
| | | *For Work In Restricted Working Space, Add* | *5.44* | |
| 23 05 29 00-0718 | EA | 3/4" Diameter x 12" Length Shank, Welded Eye Rod | 59.98 | 9.25 |
| | | *For Work In Restricted Working Space, Add* | *5.52* | |
| 23 05 29 00-0719 | EA | 3/4" Diameter x 14" Length Shank, Welded Eye Rod | 62.01 | 9.37 |
| | | *For Work In Restricted Working Space, Add* | *5.61* | |
| 23 05 29 00-0720 | EA | 3/4" Diameter x 18" Length Shank, Welded Eye Rod | 65.49 | 9.60 |
| | | *For Work In Restricted Working Space, Add* | *5.77* | |
| 23 05 29 00-0721 | EA | 3/4" Diameter x 24" Length Shank, Welded Eye Rod | 70.40 | 10.07 |
| | | *For Work In Restricted Working Space, Add* | *6.02* | |
| 23 05 29 00-0722 | EA | 3/4" Diameter x 30" Length Shank, Welded Eye Rod | 75.33 | 10.42 |
| | | *For Work In Restricted Working Space, Add* | *6.27* | |
| 23 05 29 00-0723 | EA | 3/4" Diameter x 36" Length Shank, Welded Eye Rod | 80.87 | 10.89 |
| | | *For Work In Restricted Working Space, Add* | *6.52* | |
| 23 05 29 00-0724 | EA | 3/4" Diameter x 42" Length Shank, Welded Eye Rod | 86.35 | 11.24 |
| | | *For Work In Restricted Working Space, Add* | *6.77* | |
| 23 05 29 00-0725 | EA | 3/4" Diameter x 48" Length Shank, Welded Eye Rod | 91.29 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 23 05 29 00-0726 | EA | 7/8" Diameter x 8" Length Shank, Welded Eye Rod | 67.55 | 10.30 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| 23 05 29 00-0727 | EA | 7/8" Diameter x 10" Length Shank, Welded Eye Rod | 70.17 | 10.54 |
| | | *For Work In Restricted Working Space, Add* | *6.30* | |
| 23 05 29 00-0728 | EA | 7/8" Diameter x 12" Length Shank, Welded Eye Rod | 72.22 | 10.66 |
| | | *For Work In Restricted Working Space, Add* | *6.39* | |
| 23 05 29 00-0729 | EA | 7/8" Diameter x 14" Length Shank, Welded Eye Rod | 74.26 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| 23 05 29 00-0730 | EA | 7/8" Diameter x 18" Length Shank, Welded Eye Rod | 78.37 | 11.12 |
| | | *For Work In Restricted Working Space, Add* | *6.65* | |
| 23 05 29 00-0731 | EA | 7/8" Diameter x 24" Length Shank, Welded Eye Rod | 85.07 | 11.47 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| 23 05 29 00-0732 | EA | 7/8" Diameter x 30" Length Shank, Welded Eye Rod | 91.20 | 11.95 |
| | | *For Work In Restricted Working Space, Add* | *7.17* | |
| 23 05 29 00-0733 | EA | 7/8" Diameter x 36" Length Shank, Welded Eye Rod | 97.92 | 12.41 |
| | | *For Work In Restricted Working Space, Add* | *7.43* | |
| 23 05 29 00-0734 | EA | 7/8" Diameter x 42" Length Shank, Welded Eye Rod | 104.06 | 12.76 |
| | | *For Work In Restricted Working Space, Add* | *7.69* | |
| 23 05 29 00-0735 | EA | 7/8" Diameter x 48" Length Shank, Welded Eye Rod | 110.19 | 13.23 |
| | | *For Work In Restricted Working Space, Add* | *7.95* | |
| 23 05 29 00-0736 | EA | 1" Diameter x 8" Length Shank, Welded Eye Rod | 84.43 | 12.41 |
| | | *For Work In Restricted Working Space, Add* | *7.42* | |
| 23 05 29 00-0737 | EA | 1" Diameter x 10" Length Shank, Welded Eye Rod | 87.10 | 12.53 |
| | | *For Work In Restricted Working Space, Add* | *7.52* | |
| 23 05 29 00-0738 | EA | 1" Diameter x 12" Length Shank, Welded Eye Rod | 89.76 | 12.65 |
| | | *For Work In Restricted Working Space, Add* | *7.61* | |
| 23 05 29 00-0739 | EA | 1" Diameter x 14" Length Shank, Welded Eye Rod | 92.43 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *7.71* | |
| 23 05 29 00-0740 | EA | 1" Diameter x 18" Length Shank, Welded Eye Rod | 97.75 | 13.23 |
| | | *For Work In Restricted Working Space, Add* | *7.91* | |
| 23 05 29 00-0741 | EA | 1" Diameter x 24" Length Shank, Welded Eye Rod | 105.76 | 13.70 |
| | | *For Work In Restricted Working Space, Add* | *8.20* | |
| 23 05 29 00-0742 | EA | 1" Diameter x 30" Length Shank, Welded Eye Rod | 113.77 | 14.17 |
| | | *For Work In Restricted Working Space, Add* | *8.49* | |
| 23 05 29 00-0743 | EA | 1" Diameter x 36" Length Shank, Welded Eye Rod | 122.33 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *8.78* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0744 | EA | 1" Diameter x 42" Length Shank, Welded Eye Rod | 130.33 | 15.11 |
| | | *For Work In Restricted Working Space, Add* | *9.08* | |
| 23 05 29 00-0745 | EA | 1" Diameter x 48" Length Shank, Welded Eye Rod | 138.35 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *9.37* | |

## 23 05 29 00-0746 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0630)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0747 | EA | 3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod | 53.44 | 8.55 |
| | | *For Work In Restricted Working Space, Add* | *5.15* | |
| 23 05 29 00-0748 | EA | 3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod | 54.87 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | *5.30* | |
| 23 05 29 00-0749 | EA | 3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod | 56.32 | 9.13 |
| | | *For Work In Restricted Working Space, Add* | *5.44* | |
| 23 05 29 00-0750 | EA | 3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod | 57.06 | 9.48 |
| | | *For Work In Restricted Working Space, Add* | *5.66* | |
| 23 05 29 00-0751 | EA | 3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod | 59.72 | 9.84 |
| | | *For Work In Restricted Working Space, Add* | *5.88* | |
| 23 05 29 00-0752 | EA | 3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod | 63.18 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 23 05 29 00-0753 | EA | 3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod | 65.59 | 11.24 |
| | | *For Work In Restricted Working Space, Add* | *6.76* | |
| 23 05 29 00-0754 | EA | 3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod | 69.99 | 12.06 |
| | | *For Work In Restricted Working Space, Add* | *7.20* | |
| 23 05 29 00-0755 | EA | 1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod | 68.61 | 9.49 |
| | | *For Work In Restricted Working Space, Add* | *5.69* | |
| 23 05 29 00-0756 | EA | 1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod | 70.10 | 9.72 |
| | | *For Work In Restricted Working Space, Add* | *5.85* | |
| 23 05 29 00-0757 | EA | 1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod | 71.63 | 9.95 |
| | | *For Work In Restricted Working Space, Add* | *6.00* | |
| 23 05 29 00-0758 | EA | 1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod | 73.38 | 10.42 |
| | | *For Work In Restricted Working Space, Add* | *6.24* | |
| 23 05 29 00-0759 | EA | 1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod | 76.09 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| 23 05 29 00-0760 | EA | 1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod | 81.55 | 11.59 |
| | | *For Work In Restricted Working Space, Add* | *6.94* | |
| 23 05 29 00-0761 | EA | 1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod | 86.05 | 12.30 |
| | | *For Work In Restricted Working Space, Add* | *7.41* | |
| 23 05 29 00-0762 | EA | 1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod | 91.51 | 13.11 |
| | | *For Work In Restricted Working Space, Add* | *7.87* | |
| 23 05 29 00-0763 | EA | 5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod | 91.27 | 10.54 |
| | | *For Work In Restricted Working Space, Add* | *6.35* | |
| 23 05 29 00-0764 | EA | 5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod | 93.74 | 10.89 |
| | | *For Work In Restricted Working Space, Add* | *6.52* | |
| 23 05 29 00-0765 | EA | 5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod | 96.25 | 11.12 |
| | | *For Work In Restricted Working Space, Add* | *6.68* | |
| 23 05 29 00-0766 | EA | 5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod | 98.04 | 11.59 |
| | | *For Work In Restricted Working Space, Add* | *6.92* | |
| 23 05 29 00-0767 | EA | 5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod | 101.77 | 11.95 |
| | | *For Work In Restricted Working Space, Add* | *7.16* | |
| 23 05 29 00-0768 | EA | 5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod | 108.27 | 12.76 |
| | | *For Work In Restricted Working Space, Add* | *7.65* | |
| 23 05 29 00-0769 | EA | 5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod | 114.75 | 13.59 |
| | | *For Work In Restricted Working Space, Add* | *8.13* | |
| 23 05 29 00-0770 | EA | 5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod | 120.27 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.62* | |
| 23 05 29 00-0771 | EA | 3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod | 115.03 | 11.95 |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 05 29 00-0772 | EA | 3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod | 118.55 | 12.30 |
| | | *For Work In Restricted Working Space, Add* | *7.37* | |
| 23 05 29 00-0773 | EA | 3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod | 121.03 | 12.53 |
| | | *For Work In Restricted Working Space, Add* | *7.53* | |
| 23 05 29 00-0774 | EA | 3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod | 124.79 | 13.00 |
| | | *For Work In Restricted Working Space, Add* | *7.78* | |
| 23 05 29 00-0775 | EA | 3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod | 130.50 | 13.35 |
| | | *For Work In Restricted Working Space, Add* | *8.03* | |
| 23 05 29 00-0776 | EA | 3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod | 138.97 | 14.17 |
| | | *For Work In Restricted Working Space, Add* | *8.53* | |
| 23 05 29 00-0777 | EA | 3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod | 147.47 | 14.99 |
| | | *For Work In Restricted Working Space, Add* | *9.03* | |
| 23 05 29 00-0778 | EA | 3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod | 156.95 | 15.92 |
| | | *For Work In Restricted Working Space, Add* | *9.53* | |
| 23 05 29 00-0779 | EA | 7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod | 138.02 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *8.32* | |
| 23 05 29 00-0780 | EA | 7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod | 142.51 | 14.17 |
| | | *For Work In Restricted Working Space, Add* | *8.49* | |
| 23 05 29 00-0781 | EA | 7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod | 146.02 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.67* | |
| 23 05 29 00-0782 | EA | 7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod | 149.80 | 14.88 |
| | | *For Work In Restricted Working Space, Add* | *8.93* | |
| 23 05 29 00-0783 | EA | 7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod | 156.55 | 15.34 |
| | | *For Work In Restricted Working Space, Add* | *9.19* | |
| 23 05 29 00-0784 | EA | 7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod | 168.02 | 16.16 |
| | | *For Work In Restricted Working Space, Add* | *9.71* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 23 05 29 00-0785 | | EA | 7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod | 178.52 | 17.09 |
| | | | *For Work In Restricted Working Space, Add* | *10.22* | |
| 23 05 29 00-0786 | | EA | 7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod | 190.01 | 17.92 |
| | | | *For Work In Restricted Working Space, Add* | *10.75* | |
| 23 05 29 00-0787 | | EA | 1" Diameter x 16" Length Shank, Linked Welded Eye Rod | 175.52 | 16.51 |
| | | | *For Work In Restricted Working Space, Add* | *9.92* | |
| 23 05 29 00-0788 | | EA | 1" Diameter x 20" Length Shank, Linked Welded Eye Rod | 180.07 | 16.86 |
| | | | *For Work In Restricted Working Space, Add* | *10.11* | |
| 23 05 29 00-0789 | | EA | 1" Diameter x 24" Length Shank, Linked Welded Eye Rod | 184.63 | 17.21 |
| | | | *For Work In Restricted Working Space, Add* | *10.31* | |
| 23 05 29 00-0790 | | EA | 1" Diameter x 30" Length Shank, Linked Welded Eye Rod | 189.52 | 17.69 |
| | | | *For Work In Restricted Working Space, Add* | *10.60* | |
| 23 05 29 00-0791 | | EA | 1" Diameter x 36" Length Shank, Linked Welded Eye Rod | 198.25 | 18.15 |
| | | | *For Work In Restricted Working Space, Add* | *10.89* | |
| 23 05 29 00-0792 | | EA | 1" Diameter x 48" Length Shank, Linked Welded Eye Rod | 211.93 | 19.09 |
| | | | *For Work In Restricted Working Space, Add* | *11.48* | |
| 23 05 29 00-0793 | | EA | 1" Diameter x 60" Length Shank, Linked Welded Eye Rod | 225.62 | 20.14 |
| | | | *For Work In Restricted Working Space, Add* | *12.06* | |
| 23 05 29 00-0794 | | EA | 1" Diameter x 72" Length Shank, Linked Welded Eye Rod | 240.18 | 21.08 |
| | | | *For Work In Restricted Working Space, Add* | *12.65* | |

## 23 05 29 00-0795 Attachments *(23 05 29 00-0629)*

## 23 05 29 00-0796 Welded Beam Attachments (B-Line B-3083) *(23 05 29 00-0795)*

Note: Type 22.

| | | | | | |
|---|---|---|---|---|---|
| 23 05 29 00-0797 | | EA | 3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) | 56.58 | 10.96 |
| | | | *For Work In Restricted Working Space, Add* | *6.57* | |
| 23 05 29 00-0798 | | EA | 1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) | 60.47 | 11.51 |
| | | | *For Work In Restricted Working Space, Add* | *6.92* | |
| 23 05 29 00-0799 | | EA | 5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) | 64.44 | 12.17 |
| | | | *For Work In Restricted Working Space, Add* | *7.31* | |
| 23 05 29 00-0800 | | EA | 3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) | 83.85 | 12.94 |
| | | | *For Work In Restricted Working Space, Add* | *7.74* | |
| 23 05 29 00-0801 | | EA | 7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) | 101.69 | 13.71 |
| | | | *For Work In Restricted Working Space, Add* | *8.22* | |
| 23 05 29 00-0802 | | EA | 1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) | 144.74 | 15.67 |
| | | | *For Work In Restricted Working Space, Add* | *9.40* | |
| 23 05 29 00-0803 | | EA | 1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) | 208.49 | 16.44 |
| | | | *For Work In Restricted Working Space, Add* | *9.86* | |

## 23 05 29 00-0804 C-Clamp Style Beam Clamps (B-Line B-3034) *(23 05 29 00-0795)*

Note: Type 23. Top or bottom flange mount.

| | | | | | |
|---|---|---|---|---|---|
| 23 05 29 00-0805 | | EA | 3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) | 18.87 | 5.97 |
| | | | *For Work In Restricted Working Space, Add* | *4.39* | |
| 23 05 29 00-0806 | | EA | 1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) | 22.95 | 7.61 |
| | | | *For Work In Restricted Working Space, Add* | *4.68* | |
| 23 05 29 00-0807 | | EA | 5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) | 26.27 | 8.20 |
| | | | *For Work In Restricted Working Space, Add* | *5.02* | |
| 23 05 29 00-0808 | | EA | 3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) | 34.58 | 8.78 |
| | | | *For Work In Restricted Working Space, Add* | *5.41* | |
| 23 05 29 00-0809 | | EA | 7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) | 51.69 | 9.37 |
| | | | *For Work In Restricted Working Space, Add* | *5.86* | |

## 23 05 29 00-0810 Bottom Mount I-Beam Clamps (B-Line B-3055) *(23 05 29 00-0795)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

| | | | | | |
|---|---|---|---|---|---|
| 23 05 29 00-0811 | | EA | 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) | 56.74 | 8.20 |
| | | | *For Work In Restricted Working Space, Add* | *5.85* | |
| 23 05 29 00-0812 | | EA | 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) | 85.08 | 10.54 |
| | | | *For Work In Restricted Working Space, Add* | *6.39* | |
| 23 05 29 00-0813 | | EA | 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) | 123.16 | 11.71 |
| | | | *For Work In Restricted Working Space, Add* | *7.03* | |
| 23 05 29 00-0814 | | EA | 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) | 147.88 | 12.88 |
| | | | *For Work In Restricted Working Space, Add* | *7.81* | |
| 23 05 29 00-0815 | | EA | 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) | 365.74 | 14.05 |
| | | | *For Work In Restricted Working Space, Add* | *8.78* | |

## 23 05 29 00-0816 Steel U-Bolts (B-Line B-3188) *(23 05 29 00-0795)*

Note: Type 24. Includes plate and nuts.

| | | | | | |
|---|---|---|---|---|---|
| 23 05 29 00-0817 | | EA | 1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) | 15.44 | 2.93 |
| | | | *For Work In Restricted Working Space, Add* | *3.51* | |
| 23 05 29 00-0818 | | EA | 3/4" Pipe Size, Steel U-Bolt (B-Line B-3188) | 16.83 | 3.51 |
| | | | *For Work In Restricted Working Space, Add* | *3.70* | |
| 23 05 29 00-0819 | | EA | 1" Pipe Size, Steel U-Bolt (B-Line B-3188) | 18.18 | 3.51 |
| | | | *For Work In Restricted Working Space, Add* | *3.90* | |
| 23 05 29 00-0820 | | EA | 1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188) | 20.89 | 3.51 |
| | | | *For Work In Restricted Working Space, Add* | *4.13* | |
| 23 05 29 00-0821 | | EA | 1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) | 21.48 | 4.10 |
| | | | *For Work In Restricted Working Space, Add* | *4.39* | |
| 23 05 29 00-0822 | | EA | 2" Pipe Size, Steel U-Bolt (B-Line B-3188) | 23.01 | 4.10 |
| | | | *For Work In Restricted Working Space, Add* | *4.68* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0823 | EA | 2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) | 34.45 | 4.10 |
| | | *For Work In Restricted Working Space, Add* | *5.02* | |
| 23 05 29 00-0824 | EA | 3" Pipe Size, Steel U-Bolt (B-Line B-3188) | 38.08 | 4.68 |
| | | *For Work In Restricted Working Space, Add* | *5.40* | |
| 23 05 29 00-0825 | EA | 4" Pipe Size, Steel U-Bolt (B-Line B-3188) | 46.51 | 5.27 |
| | | *For Work In Restricted Working Space, Add* | *5.85* | |
| **23 05 29 00-0826** | | **Copper Standoff Brackets With Flange** *(23 05 29 00-0795)* | | |
| | | Note: Installed in wood, concrete, concrete block or steel. | | |
| 23 05 29 00-0827 | EA | Clamp Size 1/2", Copper Standoff Brackets With Flange | 35.12 | 16.75 |
| | | *For Work In Restricted Working Space, Add* | *10.04* | |
| 23 05 29 00-0828 | EA | Clamp Size 3/4", Copper Standoff Brackets With Flange | 35.22 | 16.75 |
| | | *For Work In Restricted Working Space, Add* | *10.04* | |
| 23 05 29 00-0829 | EA | Clamp Size 1", Copper Standoff Brackets With Flange | 35.32 | 16.75 |
| | | *For Work In Restricted Working Space, Add* | *10.04* | |
| 23 05 29 00-0830 | EA | Clamp Size 1 1/4", Copper Standoff Brackets With Flange | 37.54 | 17.80 |
| | | *For Work In Restricted Working Space, Add* | *10.64* | |
| 23 05 29 00-0831 | EA | Clamp Size 1 1/2", Copper Standoff Brackets With Flange | 37.75 | 17.80 |
| | | *For Work In Restricted Working Space, Add* | *10.64* | |
| **23 05 29 00-0832** | | **Malleable Iron Eye Sockets (B-Line B-3222)** *(23 05 29 00-0795)* | | |
| | | Note: Type 16. | | |
| 23 05 29 00-0833 | EA | 3/8" Rod Size, Malleable Iron Eye Socket | 12.93 | 1.75 |
| | | *For Work In Restricted Working Space, Add* | *1.07* | |
| 23 05 29 00-0834 | EA | 1/2" Rod Size, Malleable Iron Eye Socket | 16.45 | 2.35 |
| | | *For Work In Restricted Working Space, Add* | *1.40* | |
| 23 05 29 00-0835 | EA | 5/8" Rod Size, Malleable Iron Eye Socket | 28.90 | 2.35 |
| | | *For Work In Restricted Working Space, Add* | *1.42* | |
| 23 05 29 00-0836 | EA | 3/4" Rod Size, Malleable Iron Eye Socket | 41.12 | 2.35 |
| | | *For Work In Restricted Working Space, Add* | *1.40* | |
| 23 05 29 00-0837 | EA | 7/8" Rod Size, Malleable Iron Eye Socket | 44.25 | 2.93 |
| | | *For Work In Restricted Working Space, Add* | *1.76* | |
| **23 05 29 00-0838** | | **Steel Weldless Eye Nuts (B-Line B-3200)** *(23 05 29 00-0795)* | | |
| | | Note: Type 17. | | |
| 23 05 29 00-0839 | EA | 3/8" Rod Size, Steel Weldless Eye Nut | 43.63 | 1.75 |
| | | *For Work In Restricted Working Space, Add* | *1.07* | |
| 23 05 29 00-0840 | EA | 1/2" Rod Size, Steel Weldless Eye Nut | 44.76 | 2.35 |
| | | *For Work In Restricted Working Space, Add* | *1.40* | |
| 23 05 29 00-0841 | EA | 5/8" Rod Size, Steel Weldless Eye Nut | 44.81 | 2.35 |
| | | *For Work In Restricted Working Space, Add* | *1.42* | |
| 23 05 29 00-0842 | EA | 3/4" Rod Size, Steel Weldless Eye Nut | 44.76 | 2.35 |
| | | *For Work In Restricted Working Space, Add* | *1.40* | |
| 23 05 29 00-0843 | EA | 7/8" Rod Size, Steel Weldless Eye Nut | 87.99 | 2.58 |
| | | *For Work In Restricted Working Space, Add* | *1.58* | |
| 23 05 29 00-0844 | EA | 1" Rod Size, Steel Weldless Eye Nut | 88.57 | 2.93 |
| | | *For Work In Restricted Working Space, Add* | *1.76* | |
| **23 05 29 00-0845** | | **Top Mount I-Beam Clamps (B-Line B-3042)** *(23 05 29 00-0795)* | | |
| | | Note: For attaching threaded rod to either side of an I-beam. | | |
| 23 05 29 00-0846 | EA | 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp | 27.98 | 5.48 |
| | | *For Work In Restricted Working Space, Add* | *3.29* | |
| 23 05 29 00-0847 | EA | 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp | 33.87 | 6.03 |
| | | *For Work In Restricted Working Space, Add* | *3.63* | |
| 23 05 29 00-0848 | EA | 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp | 41.30 | 6.58 |
| | | *For Work In Restricted Working Space, Add* | *3.99* | |
| 23 05 29 00-0849 | EA | 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp | 57.56 | 7.13 |
| | | *For Work In Restricted Working Space, Add* | *4.19* | |
| 23 05 29 00-0850 | EA | 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp | 89.29 | 8.23 |
| | | *For Work In Restricted Working Space, Add* | *4.93* | |
| 23 05 29 00-0851 | EA | 3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp | 29.56 | 5.48 |
| | | *For Work In Restricted Working Space, Add* | *3.29* | |
| 23 05 29 00-0852 | EA | 1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp | 36.10 | 6.03 |
| | | *For Work In Restricted Working Space, Add* | *3.63* | |
| 23 05 29 00-0853 | EA | 5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp | 41.30 | 6.58 |
| | | *For Work In Restricted Working Space, Add* | *3.99* | |
| 23 05 29 00-0854 | EA | 3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp | 63.43 | 7.13 |
| | | *For Work In Restricted Working Space, Add* | *4.19* | |
| 23 05 29 00-0855 | EA | 7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp | 99.32 | 8.23 |
| | | *For Work In Restricted Working Space, Add* | *4.93* | |
| 23 05 29 00-0856 | EA | 3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp | 33.23 | 5.48 |
| | | *For Work In Restricted Working Space, Add* | *3.29* | |
| 23 05 29 00-0857 | EA | 1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp | 40.23 | 6.03 |
| | | *For Work In Restricted Working Space, Add* | *3.63* | |
| 23 05 29 00-0858 | EA | 5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp | 50.98 | 6.58 |
| | | *For Work In Restricted Working Space, Add* | *3.99* | |
| 23 05 29 00-0859 | EA | 3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp | 74.42 | 7.13 |
| | | *For Work In Restricted Working Space, Add* | *4.19* | |
| 23 05 29 00-0860 | EA | 7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp | 120.81 | 8.23 |
| | | *For Work In Restricted Working Space, Add* | *4.93* | |

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 23 05 29 00-0861 | | Side Beam Brackets (B-Line B-3062) *(23 05 29 00-0795)* | | | |
| | | Note: Type 34. | | | |
| 23 05 29 00-0862 | EA | 3/8" Rod Size, Side Beam Bracket | | 21.48 | 7.61 |
| | | *For Work In Restricted Working Space, Add* | | *4.39* | |
| 23 05 29 00-0863 | EA | 1/2" Rod Size, Side Beam Bracket | | 25.78 | 7.61 |
| | | *For Work In Restricted Working Space, Add* | | *4.68* | |
| 23 05 29 00-0864 | EA | 5/8" Rod Size, Side Beam Bracket | | 34.08 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | | *5.02* | |
| 23 05 29 00-0865 | EA | 3/4" Rod Size, Side Beam Bracket | | 62.89 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | | *5.41* | |
| 23 05 29 00-0866 | EA | 7/8" Rod Size, Side Beam Bracket | | 73.93 | 9.95 |
| | | *For Work In Restricted Working Space, Add* | | *5.86* | |
| 23 05 29 00-0867 | | Hex Lag Bolts *(23 05 29 00-0795)* | | | |
| | | Note: Also known as coach screws. | | | |
| 23 05 29 00-0868 | EA | 3/8" x 3-1/2" Long, Hex Lag Bolt | | 3.45 | |
| | | *For Work In Restricted Working Space, Add* | | *0.73* | |
| 23 05 29 00-0869 | EA | 3/8" x 4" Long, Hex Lag Bolt | | 3.37 | |
| | | *For Work In Restricted Working Space, Add* | | *0.76* | |
| 23 05 29 00-0870 | EA | 3/8" x 6" Long, Hex Lag Bolt | | 3.84 | |
| | | *For Work In Restricted Working Space, Add* | | *0.79* | |
| 23 05 29 00-0871 | EA | 3/8" x 8" Long, Hex Lag Bolt | | 4.70 | |
| | | *For Work In Restricted Working Space, Add* | | *0.81* | |
| 23 05 29 00-0872 | EA | 3/8" x 10" Long, Hex Lag Bolt | | 5.02 | |
| | | *For Work In Restricted Working Space, Add* | | *0.84* | |
| 23 05 29 00-0873 | EA | 3/8" x 12" Long, Hex Lag Bolt | | 7.00 | |
| | | *For Work In Restricted Working Space, Add* | | *0.88* | |
| 23 05 29 00-0874 | EA | 1/2" x 3-1/2" Long, Hex Lag Bolt | | 4.88 | |
| | | *For Work In Restricted Working Space, Add* | | *0.88* | |
| 23 05 29 00-0875 | EA | 1/2" x 4" Long, Hex Lag Bolt | | 4.68 | |
| | | *For Work In Restricted Working Space, Add* | | *0.92* | |
| 23 05 29 00-0876 | EA | 1/2" x 6" Long, Hex Lag Bolt | | 5.52 | |
| | | *For Work In Restricted Working Space, Add* | | *0.95* | |
| 23 05 29 00-0877 | EA | 1/2" x 8" Long, Hex Lag Bolt | | 6.46 | |
| | | *For Work In Restricted Working Space, Add* | | *1.00* | |
| 23 05 29 00-0878 | EA | 1/2" x 10" Long, Hex Lag Bolt | | 7.71 | |
| | | *For Work In Restricted Working Space, Add* | | *1.04* | |
| 23 05 29 00-0879 | EA | 1/2" x 12" Long, Hex Lag Bolt | | 8.27 | |
| | | *For Work In Restricted Working Space, Add* | | *1.10* | |
| 23 05 29 00-0880 | EA | 5/8" x 4" Long, Hex Lag Bolt | | 7.04 | |
| | | *For Work In Restricted Working Space, Add* | | *0.98* | |
| 23 05 29 00-0881 | EA | 3/4" x 5" Long, Hex Lag Bolt | | 8.43 | |
| | | *For Work In Restricted Working Space, Add* | | *1.00* | |
| 23 05 29 00-0882 | | Hanger Strap *(23 05 29 00-0629)* | | | |
| 23 05 29 00-0883 | LF | 3/4" Wide x 0.025" Thick Galvanized Hanger Strap | | 5.68 | |
| 23 05 29 00-0884 | | Shields And Saddles *(23 05 29)* | | | |
| 23 05 29 00-0885 | | Insulation Protection Shield *(23 05 29 00-0884)* | | | |
| | | Note: Type 40. | | | |
| 23 05 29 00-0886 | | Insulation Protection Shield (Cooper B-Line B3151) *(23 05 29 00-0885)* | | | |
| 23 05 29 00-0887 | EA | 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151) | | 15.39 | 2.81 |
| | | *For Work In Restricted Working Space, Add* | | *2.81* | |
| 23 05 29 00-0888 | EA | 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151) | | 15.62 | 2.85 |
| | | *For Work In Restricted Working Space, Add* | | *2.85* | |
| 23 05 29 00-0889 | EA | 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151) | | 15.98 | 2.88 |
| | | *For Work In Restricted Working Space, Add* | | *2.88* | |
| 23 05 29 00-0890 | EA | 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151) | | 16.68 | 2.92 |
| | | *For Work In Restricted Working Space, Add* | | *2.92* | |
| 23 05 29 00-0891 | EA | 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151) | | 18.33 | 2.98 |
| | | *For Work In Restricted Working Space, Add* | | *2.99* | |
| 23 05 29 00-0892 | EA | 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151) | | 22.06 | 3.05 |
| | | *For Work In Restricted Working Space, Add* | | *3.05* | |
| 23 05 29 00-0893 | EA | 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151) | | 25.45 | 3.12 |
| | | *For Work In Restricted Working Space, Add* | | *3.13* | |
| 23 05 29 00-0894 | EA | 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151) | | 30.80 | 3.19 |
| | | *For Work In Restricted Working Space, Add* | | *3.20* | |
| 23 05 29 00-0895 | EA | 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) | | 39.11 | 3.23 |
| | | *For Work In Restricted Working Space, Add* | | *3.23* | |
| 23 05 29 00-0896 | EA | 14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) | | 42.46 | 3.26 |
| | | *For Work In Restricted Working Space, Add* | | *3.27* | |
| 23 05 29 00-0897 | EA | 16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) | | 57.85 | 3.30 |
| | | *For Work In Restricted Working Space, Add* | | *3.30* | |
| 23 05 29 00-0898 | EA | 18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) | | 64.80 | 3.33 |
| | | *For Work In Restricted Working Space, Add* | | *3.34* | |
| 23 05 29 00-0899 | EA | 20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) | | 118.80 | 3.37 |
| | | *For Work In Restricted Working Space, Add* | | *3.37* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0900 | EA | 24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) | 129.02 | 3.44 |
| | | *For Work In Restricted Working Space, Add* | *3.44* | |
| 23 05 29 00-0901 | EA | 30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) | 155.61 | 3.52 |
| | | *For Work In Restricted Working Space, Add* | *3.51* | |

### 23 05 29 00-0902 Insulation Protection Shield (Cooper B-Line B3154) *(23 05 29 00-0885)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0903 | EA | 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154) | 13.74 | 2.81 |
| | | *For Work In Restricted Working Space, Add* | *2.81* | |
| 23 05 29 00-0904 | EA | 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154) | 13.93 | 2.85 |
| | | *For Work In Restricted Working Space, Add* | *2.85* | |
| 23 05 29 00-0905 | EA | 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154) | 14.22 | 2.88 |
| | | *For Work In Restricted Working Space, Add* | *2.88* | |
| 23 05 29 00-0906 | EA | 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154) | 14.77 | 2.92 |
| | | *For Work In Restricted Working Space, Add* | *2.92* | |
| 23 05 29 00-0907 | EA | 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154) | 16.02 | 2.98 |
| | | *For Work In Restricted Working Space, Add* | *2.99* | |
| 23 05 29 00-0908 | EA | 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154) | 18.80 | 3.05 |
| | | *For Work In Restricted Working Space, Add* | *3.05* | |
| 23 05 29 00-0909 | EA | 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154) | 20.13 | 3.12 |
| | | *For Work In Restricted Working Space, Add* | *3.13* | |
| 23 05 29 00-0910 | EA | 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154) | 25.27 | 3.19 |
| | | *For Work In Restricted Working Space, Add* | *3.20* | |
| 23 05 29 00-0911 | EA | 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154) | 30.02 | 3.23 |
| | | *For Work In Restricted Working Space, Add* | *3.23* | |

### 23 05 29 00-0912 Pipe Covering Protection Saddle *(23 05 29 00-0884)*

Note: Sizes are pipe sizes.

### 23 05 29 00-0913 Saddle, For 1" Insulation (Cooper B-Line B3160) *(23 05 29 00-0912)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0914 | EA | 3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 23.46 | 3.88 |
| | | *For Work In Restricted Working Space, Add* | *3.88* | |
| 23 05 29 00-0915 | EA | 1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 23.56 | 3.91 |
| | | *For Work In Restricted Working Space, Add* | *3.91* | |
| 23 05 29 00-0916 | EA | 1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 23.67 | 3.94 |
| | | *For Work In Restricted Working Space, Add* | *3.95* | |
| 23 05 29 00-0917 | EA | 1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 24.79 | 4.02 |
| | | *For Work In Restricted Working Space, Add* | *4.01* | |
| 23 05 29 00-0918 | EA | 2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 24.89 | 4.05 |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 23 05 29 00-0919 | EA | 2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 25.69 | 4.11 |
| | | *For Work In Restricted Working Space, Add* | *4.11* | |
| 23 05 29 00-0920 | EA | 3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 28.39 | 4.18 |
| | | *For Work In Restricted Working Space, Add* | *4.18* | |
| 23 05 29 00-0921 | EA | 4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 31.67 | 4.24 |
| | | *For Work In Restricted Working Space, Add* | *4.24* | |
| 23 05 29 00-0922 | EA | 6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 35.43 | 4.37 |
| | | *For Work In Restricted Working Space, Add* | *4.37* | |
| 23 05 29 00-0923 | EA | 8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 42.79 | 4.54 |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| 23 05 29 00-0924 | EA | 10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 47.62 | 4.60 |
| | | *For Work In Restricted Working Space, Add* | *4.61* | |
| 23 05 29 00-0925 | EA | 12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 56.10 | 4.60 |
| | | *For Work In Restricted Working Space, Add* | *4.70* | |
| 23 05 29 00-0926 | EA | 14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) | 61.10 | 4.76 |
| | | *For Work In Restricted Working Space, Add* | *4.77* | |

### 23 05 29 00-0927 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) *(23 05 29 00-0912)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0928 | EA | 3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 26.26 | 3.88 |
| | | *For Work In Restricted Working Space, Add* | *3.88* | |
| 23 05 29 00-0929 | EA | 1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 26.36 | 3.91 |
| | | *For Work In Restricted Working Space, Add* | *3.91* | |
| 23 05 29 00-0930 | EA | 1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 26.47 | 3.94 |
| | | *For Work In Restricted Working Space, Add* | *3.95* | |
| 23 05 29 00-0931 | EA | 1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 27.40 | 4.02 |
| | | *For Work In Restricted Working Space, Add* | *4.01* | |
| 23 05 29 00-0932 | EA | 2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 29.45 | 4.05 |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 23 05 29 00-0933 | EA | 2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 31.62 | 4.11 |
| | | *For Work In Restricted Working Space, Add* | *4.11* | |
| 23 05 29 00-0934 | EA | 3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 32.14 | 4.18 |
| | | *For Work In Restricted Working Space, Add* | *4.18* | |
| 23 05 29 00-0935 | EA | 4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 36.29 | 4.18 |
| | | *For Work In Restricted Working Space, Add* | *4.24* | |
| 23 05 29 00-0936 | EA | 6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 40.66 | 4.37 |
| | | *For Work In Restricted Working Space, Add* | *4.37* | |
| 23 05 29 00-0937 | EA | 8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 47.92 | 4.54 |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| 23 05 29 00-0938 | EA | 10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 53.69 | 4.60 |
| | | *For Work In Restricted Working Space, Add* | *4.61* | |
| 23 05 29 00-0939 | EA | 12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 63.59 | 4.70 |
| | | *For Work In Restricted Working Space, Add* | *4.70* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0940 | EA | 14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) | 69.50 | 4.76 |
| | | *For Work In Restricted Working Space, Add* | *4.77* | |
| **23 05 29 00-0941** | | **Saddle, For 2" Insulation (Cooper B-Line B3162)** *(23 05 29 00-0912)* | | |
| 23 05 29 00-0942 | EA | 3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 28.06 | 4.08 |
| | | *For Work In Restricted Working Space, Add* | *4.08* | |
| 23 05 29 00-0943 | EA | 1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 28.18 | 4.11 |
| | | *For Work In Restricted Working Space, Add* | *4.11* | |
| 23 05 29 00-0944 | EA | 1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 29.59 | 4.14 |
| | | *For Work In Restricted Working Space, Add* | *4.14* | |
| 23 05 29 00-0945 | EA | 1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 30.47 | 4.21 |
| | | *For Work In Restricted Working Space, Add* | *4.21* | |
| 23 05 29 00-0946 | EA | 2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 31.23 | 4.24 |
| | | *For Work In Restricted Working Space, Add* | *4.24* | |
| 23 05 29 00-0947 | EA | 2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 31.45 | 4.32 |
| | | *For Work In Restricted Working Space, Add* | *4.31* | |
| 23 05 29 00-0948 | EA | 3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 33.18 | 4.38 |
| | | *For Work In Restricted Working Space, Add* | *4.37* | |
| 23 05 29 00-0949 | EA | 4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 34.90 | 4.45 |
| | | *For Work In Restricted Working Space, Add* | *4.44* | |
| 23 05 29 00-0950 | EA | 6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 44.12 | 4.59 |
| | | *For Work In Restricted Working Space, Add* | *4.61* | |
| 23 05 29 00-0951 | EA | 8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 49.85 | 4.76 |
| | | *For Work In Restricted Working Space, Add* | *4.77* | |
| 23 05 29 00-0952 | EA | 10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 52.27 | 4.84 |
| | | *For Work In Restricted Working Space, Add* | *4.83* | |
| 23 05 29 00-0953 | EA | 12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 69.97 | 4.94 |
| | | *For Work In Restricted Working Space, Add* | *4.93* | |
| 23 05 29 00-0954 | EA | 14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 77.32 | 5.01 |
| | | *For Work In Restricted Working Space, Add* | *5.00* | |
| 23 05 29 00-0955 | EA | 16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 84.89 | 5.13 |
| | | *For Work In Restricted Working Space, Add* | *5.13* | |
| 23 05 29 00-0956 | EA | 18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 92.46 | 5.27 |
| | | *For Work In Restricted Working Space, Add* | *5.26* | |
| 23 05 29 00-0957 | EA | 20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 101.26 | 5.39 |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 05 29 00-0958 | EA | 24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) | 115.74 | 5.52 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| **23 05 29 00-0959** | | **Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)** *(23 05 29 00-0912)* | | |
| 23 05 29 00-0960 | EA | 1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 31.33 | 4.24 |
| | | *For Work In Restricted Working Space, Add* | *4.24* | |
| 23 05 29 00-0961 | EA | 1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 33.01 | 4.31 |
| | | *For Work In Restricted Working Space, Add* | *4.31* | |
| 23 05 29 00-0962 | EA | 2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 33.86 | 4.35 |
| | | *For Work In Restricted Working Space, Add* | *4.34* | |
| 23 05 29 00-0963 | EA | 2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 34.82 | 4.42 |
| | | *For Work In Restricted Working Space, Add* | *4.41* | |
| 23 05 29 00-0964 | EA | 3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 35.15 | 4.50 |
| | | *For Work In Restricted Working Space, Add* | *4.51* | |
| 23 05 29 00-0965 | EA | 4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 40.63 | 4.56 |
| | | *For Work In Restricted Working Space, Add* | *4.57* | |
| 23 05 29 00-0966 | EA | 6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 46.34 | 4.70 |
| | | *For Work In Restricted Working Space, Add* | *4.70* | |
| 23 05 29 00-0967 | EA | 8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 53.79 | 4.88 |
| | | *For Work In Restricted Working Space, Add* | *4.87* | |
| 23 05 29 00-0968 | EA | 10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 57.57 | 4.96 |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 05 29 00-0969 | EA | 12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 71.78 | 5.05 |
| | | *For Work In Restricted Working Space, Add* | *5.06* | |
| 23 05 29 00-0970 | EA | 14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 84.95 | 5.13 |
| | | *For Work In Restricted Working Space, Add* | *5.13* | |
| 23 05 29 00-0971 | EA | 16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 98.34 | 5.25 |
| | | *For Work In Restricted Working Space, Add* | *5.26* | |
| 23 05 29 00-0972 | EA | 18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 104.41 | 5.38 |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 05 29 00-0973 | EA | 20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 111.15 | 5.52 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| 23 05 29 00-0974 | EA | 24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) | 117.90 | 5.65 |
| | | *For Work In Restricted Working Space, Add* | *5.66* | |
| **23 05 29 00-0975** | | **Saddle, For 3" Insulation (Cooper B-Line B3164)** *(23 05 29 00-0912)* | | |
| 23 05 29 00-0976 | EA | 2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 35.01 | 4.45 |
| | | *For Work In Restricted Working Space, Add* | *4.44* | |
| 23 05 29 00-0977 | EA | 2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 38.13 | 4.53 |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| 23 05 29 00-0978 | EA | 3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 39.73 | 4.59 |
| | | *For Work In Restricted Working Space, Add* | *4.61* | |
| 23 05 29 00-0979 | EA | 4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 41.34 | 4.67 |
| | | *For Work In Restricted Working Space, Add* | *4.67* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-0980 | EA | 6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 47.34 | 4.81 |
| | | *For Work In Restricted Working Space, Add* | *4.80* | |
| 23 05 29 00-0981 | EA | 8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 59.14 | 4.99 |
| | | *For Work In Restricted Working Space, Add* | *5.00* | |
| 23 05 29 00-0982 | EA | 10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 64.00 | 5.06 |
| | | *For Work In Restricted Working Space, Add* | *5.06* | |
| 23 05 29 00-0983 | EA | 12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 82.95 | 5.17 |
| | | *For Work In Restricted Working Space, Add* | *5.16* | |
| 23 05 29 00-0984 | EA | 14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 98.84 | 5.25 |
| | | *For Work In Restricted Working Space, Add* | *5.26* | |
| 23 05 29 00-0985 | EA | 16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 114.74 | 5.37 |
| | | *For Work In Restricted Working Space, Add* | *5.36* | |
| 23 05 29 00-0986 | EA | 18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 116.96 | 5.51 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| 23 05 29 00-0987 | EA | 20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 119.07 | 5.64 |
| | | *For Work In Restricted Working Space, Add* | *5.66* | |
| 23 05 29 00-0988 | EA | 24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) | 150.83 | 5.79 |
| | | *For Work In Restricted Working Space, Add* | *5.79* | |

### 23 05 29 00-0989 Saddle, For 4" Insulation (Cooper B-Line B3165) *(23 05 29 00-0912)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-0990 | EA | 2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 39.38 | 4.55 |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| 23 05 29 00-0991 | EA | 2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 43.05 | 4.63 |
| | | *For Work In Restricted Working Space, Add* | *4.64* | |
| 23 05 29 00-0992 | EA | 3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 44.93 | 4.70 |
| | | *For Work In Restricted Working Space, Add* | *4.70* | |
| 23 05 29 00-0993 | EA | 4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 46.91 | 4.76 |
| | | *For Work In Restricted Working Space, Add* | *4.77* | |
| 23 05 29 00-0994 | EA | 6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 57.07 | 4.92 |
| | | *For Work In Restricted Working Space, Add* | *4.93* | |
| 23 05 29 00-0995 | EA | 8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 67.22 | 5.11 |
| | | *For Work In Restricted Working Space, Add* | *5.10* | |
| 23 05 29 00-0996 | EA | 10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 69.48 | 5.18 |
| | | *For Work In Restricted Working Space, Add* | *5.20* | |
| 23 05 29 00-0997 | EA | 12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 88.57 | 5.30 |
| | | *For Work In Restricted Working Space, Add* | *5.30* | |
| 23 05 29 00-0998 | EA | 14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 107.31 | 5.36 |
| | | *For Work In Restricted Working Space, Add* | *5.36* | |
| 23 05 29 00-0999 | EA | 16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 126.27 | 5.50 |
| | | *For Work In Restricted Working Space, Add* | *5.49* | |
| 23 05 29 00-1000 | EA | 18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 154.23 | 5.63 |
| | | *For Work In Restricted Working Space, Add* | *5.63* | |
| 23 05 29 00-1001 | EA | 20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 182.05 | 5.78 |
| | | *For Work In Restricted Working Space, Add* | *5.79* | |
| 23 05 29 00-1002 | EA | 24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 194.70 | 5.92 |
| | | *For Work In Restricted Working Space, Add* | *5.92* | |
| 23 05 29 00-1003 | EA | 30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 204.88 | 6.07 |
| | | *For Work In Restricted Working Space, Add* | *6.08* | |
| 23 05 29 00-1004 | EA | 36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) | 212.41 | 6.23 |
| | | *For Work In Restricted Working Space, Add* | *6.21* | |

### 23 05 29 00-1005 Adjustable Pipe Saddle Support (Cooper B-Line B3096) *(23 05 29 00-0884)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-1006 | EA | 2" Adjustable Pipe Saddle Support (Cooper B-Line B3096) | 88.39 | 14.63 |
| 23 05 29 00-1007 | EA | 3" Adjustable Pipe Saddle Support (Cooper B-Line B3096) | 93.95 | 16.98 |
| 23 05 29 00-1008 | EA | 4" Adjustable Pipe Saddle Support (Cooper B-Line B3096) | 113.99 | 19.32 |
| 23 05 29 00-1009 | EA | 5" Adjustable Pipe Saddle Support (Cooper B-Line B3096) | 119.03 | 21.08 |
| 23 05 29 00-1010 | EA | 6" Adjustable Pipe Saddle Support (Cooper B-Line B3096) | 132.09 | 23.42 |
| 23 05 29 00-1011 | EA | 8" Adjustable Pipe Saddle Support (Cooper B-Line B3096) | 150.77 | 29.28 |
| 23 05 29 00-1012 | EA | 10" Adjustable Pipe Saddle Support (Cooper B-Line B3096) | 197.34 | 39.23 |
| 23 05 29 00-1013 | EA | 12" Adjustable Pipe Saddle Support (Cooper B-Line B3096) | 246.25 | 58.55 |

### 23 05 29 00-1014 Pipe Stanchion Support (Cooper B-Line B3090) *(23 05 29 00-0884)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-1015 | EA | 2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) | 108.58 | 14.63 |
| 23 05 29 00-1016 | EA | 3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) | 112.76 | 16.98 |
| 23 05 29 00-1017 | EA | 3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) | 120.88 | 18.15 |
| 23 05 29 00-1018 | EA | 4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) | 123.61 | 19.32 |
| 23 05 29 00-1019 | EA | 5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) | 130.10 | 21.08 |
| 23 05 29 00-1020 | EA | 6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) | 138.18 | 23.42 |
| 23 05 29 00-1021 | EA | 8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) | 175.35 | 29.28 |
| 23 05 29 00-1022 | EA | 10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) | 236.45 | 39.23 |
| 23 05 29 00-1023 | EA | 12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) | 310.99 | 58.55 |

### 23 05 29 00-1024 Pipe Saddle Support (Cooper B-Line B3095) *(23 05 29 00-0884)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-1025 | EA | 2-1/2" Pipe Saddle Support (Cooper B-Line B3095) | 57.39 | 14.63 |
| 23 05 29 00-1026 | EA | 3" Pipe Saddle Support (Cooper B-Line B3095) | 61.57 | 16.98 |
| 23 05 29 00-1027 | EA | 3-1/2" Pipe Saddle Support (Cooper B-Line B3095) | 91.19 | 18.15 |
| 23 05 29 00-1028 | EA | 4" Pipe Saddle Support (Cooper B-Line B3095) | 93.92 | 19.32 |
| 23 05 29 00-1029 | EA | 5" Pipe Saddle Support (Cooper B-Line B3095) | 103.18 | 21.08 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-1030 | EA | 6" Pipe Saddle Support (Cooper B-Line B3095) | 114.39 | 23.42 |
| 23 05 29 00-1031 | EA | 8" Pipe Saddle Support (Cooper B-Line B3095) | 131.76 | 29.28 |
| 23 05 29 00-1032 | EA | 10" Pipe Saddle Support (Cooper B-Line B3095) | 154.84 | 39.23 |
| 23 05 29 00-1033 | EA | 12" Pipe Saddle Support (Cooper B-Line B3095) | 197.72 | 58.55 |

## 23 05 29 00-1034 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0884)*

Note: Insert is for use as isolated protective insulation at hangers.

## 23 05 29 00-1035 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1034)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-1036 | EA | 1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 16.95 | 7.46 |
| 23 05 29 00-1037 | EA | 3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 17.27 | 7.46 |
| 23 05 29 00-1038 | EA | 1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 17.36 | 7.46 |
| 23 05 29 00-1039 | EA | 1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 17.68 | 7.46 |
| 23 05 29 00-1040 | EA | 1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 18.90 | 7.92 |
| 23 05 29 00-1041 | EA | 2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 19.75 | 8.15 |
| 23 05 29 00-1042 | EA | 2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 20.75 | 8.50 |
| 23 05 29 00-1043 | EA | 3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 21.83 | 8.84 |
| 23 05 29 00-1044 | EA | 4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 23.76 | 9.18 |
| 23 05 29 00-1045 | EA | 6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 25.36 | 7.92 |
| 23 05 29 00-1046 | EA | 8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 39.20 | 10.33 |
| 23 05 29 00-1047 | EA | 10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 46.35 | 12.16 |
| 23 05 29 00-1048 | EA | 12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 52.82 | 14.12 |
| 23 05 29 00-1049 | EA | 14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 59.55 | 14.58 |

## 23 05 29 00-1050 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1034)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-1051 | EA | 1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 14.62 | 5.63 |
| 23 05 29 00-1052 | EA | 3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 16.22 | 5.63 |
| 23 05 29 00-1053 | EA | 1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 16.58 | 5.74 |
| 23 05 29 00-1054 | EA | 1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 17.15 | 5.85 |
| 23 05 29 00-1055 | EA | 1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 17.68 | 5.85 |
| 23 05 29 00-1056 | EA | 2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 18.62 | 6.08 |
| 23 05 29 00-1057 | EA | 2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 19.70 | 6.31 |
| 23 05 29 00-1058 | EA | 3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 20.25 | 6.42 |
| 23 05 29 00-1059 | EA | 4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 22.31 | 7.00 |
| 23 05 29 00-1060 | EA | 6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 33.09 | 12.05 |
| 23 05 29 00-1061 | EA | 8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 30.11 | 9.07 |
| 23 05 29 00-1062 | EA | 10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 36.50 | 10.67 |
| 23 05 29 00-1063 | EA | 12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 41.43 | 12.28 |
| 23 05 29 00-1064 | EA | 14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 48.89 | 14.80 |

## 23 05 29 00-1065 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1034)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-1066 | EA | 1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 20.43 | 6.42 |
| 23 05 29 00-1067 | EA | 3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 20.69 | 6.42 |
| 23 05 29 00-1068 | EA | 1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 21.41 | 6.55 |
| 23 05 29 00-1069 | EA | 1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 22.03 | 6.66 |
| 23 05 29 00-1070 | EA | 1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 22.68 | 6.78 |
| 23 05 29 00-1071 | EA | 2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 23.56 | 7.00 |
| 23 05 29 00-1072 | EA | 2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 24.83 | 7.23 |
| 23 05 29 00-1073 | EA | 3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 26.02 | 7.46 |
| 23 05 29 00-1074 | EA | 4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 28.66 | 7.92 |
| 23 05 29 00-1075 | EA | 6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 32.79 | 8.95 |
| 23 05 29 00-1076 | EA | 8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 50.86 | 15.27 |
| 23 05 29 00-1077 | EA | 10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 55.56 | 17.67 |
| 23 05 29 00-1078 | EA | 12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 64.08 | 20.89 |
| 23 05 29 00-1079 | EA | 14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 71.85 | 23.41 |
| 23 05 29 00-1080 | EA | 16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 80.23 | 26.40 |
| 23 05 29 00-1081 | EA | 18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 91.88 | 30.99 |
| 23 05 29 00-1082 | EA | 20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 102.02 | 34.44 |
| 23 05 29 00-1083 | EA | 24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 115.25 | 39.03 |

## 23 05 29 00-1084 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1034)*

| | | | | |
|---|---|---|---|---|
| 23 05 29 00-1085 | EA | 1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 23.40 | 7.46 |
| 23 05 29 00-1086 | EA | 3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 23.69 | 7.46 |
| 23 05 29 00-1087 | EA | 1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 24.56 | 7.57 |
| 23 05 29 00-1088 | EA | 1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 25.21 | 7.69 |
| 23 05 29 00-1089 | EA | 1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 25.87 | 7.69 |
| 23 05 29 00-1090 | EA | 2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 26.94 | 8.04 |
| 23 05 29 00-1091 | EA | 2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 28.38 | 8.27 |
| 23 05 29 00-1092 | EA | 3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 29.73 | 8.61 |
| 23 05 29 00-1093 | EA | 4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 32.71 | 9.07 |
| 23 05 29 00-1094 | EA | 6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 37.48 | 10.33 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-1095 | EA | 8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 49.24 | 11.48 |
| 23 05 29 00-1096 | EA | 10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 58.63 | 13.20 |
| 23 05 29 00-1097 | EA | 12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 67.15 | 16.41 |
| 23 05 29 00-1098 | EA | 14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 75.69 | 18.02 |
| 23 05 29 00-1099 | EA | 16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 89.74 | 22.96 |
| 23 05 29 00-1100 | EA | 18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 96.29 | 24.11 |
| 23 05 29 00-1101 | EA | 20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 109.36 | 27.55 |
| 23 05 29 00-1102 | EA | 24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 128.94 | 33.29 |
| **23 05 29 00-1103** | | **3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1034)* | | |
| 23 05 29 00-1104 | EA | 1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 50.13 | 7.69 |
| 23 05 29 00-1105 | EA | 3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 59.66 | 8.04 |
| 23 05 29 00-1106 | EA | 1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 62.06 | 8.04 |
| 23 05 29 00-1107 | EA | 1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 63.59 | 8.27 |
| 23 05 29 00-1108 | EA | 1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 65.38 | 8.50 |
| 23 05 29 00-1109 | EA | 2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 67.39 | 8.61 |
| 23 05 29 00-1110 | EA | 2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 70.97 | 8.84 |
| 23 05 29 00-1111 | EA | 3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 74.10 | 9.41 |
| 23 05 29 00-1112 | EA | 4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 81.72 | 9.76 |
| 23 05 29 00-1113 | EA | 6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 93.50 | 11.93 |
| 23 05 29 00-1114 | EA | 8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 121.23 | 13.08 |
| 23 05 29 00-1115 | EA | 10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 144.25 | 13.78 |
| 23 05 29 00-1116 | EA | 12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 165.44 | 17.79 |
| 23 05 29 00-1117 | EA | 14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 186.33 | 18.94 |
| 23 05 29 00-1118 | EA | 16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 222.88 | 25.25 |
| 23 05 29 00-1119 | EA | 18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 239.93 | 27.55 |
| 23 05 29 00-1120 | EA | 20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 271.74 | 29.85 |
| 23 05 29 00-1121 | EA | 24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 319.24 | 36.73 |
| **23 05 29 00-1122** | | **3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1034)* | | |
| 23 05 29 00-1123 | EA | 1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 23.40 | 7.46 |
| 23 05 29 00-1124 | EA | 3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 28.25 | 9.07 |
| 23 05 29 00-1125 | EA | 1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 29.51 | 9.07 |
| 23 05 29 00-1126 | EA | 1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 30.24 | 9.18 |
| 23 05 29 00-1127 | EA | 1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 31.14 | 9.29 |
| 23 05 29 00-1128 | EA | 2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 32.28 | 9.65 |
| 23 05 29 00-1129 | EA | 2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 34.03 | 9.99 |
| 23 05 29 00-1130 | EA | 3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 35.54 | 10.33 |
| 23 05 29 00-1131 | EA | 4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 39.29 | 10.91 |
| 23 05 29 00-1132 | EA | 6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 44.96 | 12.40 |
| 23 05 29 00-1133 | EA | 8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 59.04 | 13.78 |
| 23 05 29 00-1134 | EA | 10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 70.36 | 15.84 |
| 23 05 29 00-1135 | EA | 12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 80.56 | 19.75 |
| 23 05 29 00-1136 | EA | 14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 90.85 | 21.58 |
| 23 05 29 00-1137 | EA | 16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 107.70 | 27.55 |
| 23 05 29 00-1138 | EA | 18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 115.56 | 28.92 |
| 23 05 29 00-1139 | EA | 20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 131.30 | 33.06 |
| 23 05 29 00-1140 | EA | 24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 154.74 | 39.95 |
| **23 05 29 00-1141** | | **4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1034)* | | |
| 23 05 29 00-1142 | EA | 1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 31.53 | 10.10 |
| 23 05 29 00-1143 | EA | 3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 31.94 | 10.10 |
| 23 05 29 00-1144 | EA | 1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 33.13 | 10.21 |
| 23 05 29 00-1145 | EA | 1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 34.08 | 10.33 |
| 23 05 29 00-1146 | EA | 1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 34.81 | 10.33 |
| 23 05 29 00-1147 | EA | 2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 36.74 | 11.02 |
| 23 05 29 00-1148 | EA | 2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 38.26 | 11.14 |
| 23 05 29 00-1149 | EA | 3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 40.13 | 11.59 |
| 23 05 29 00-1150 | EA | 4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 44.17 | 12.28 |
| 23 05 29 00-1151 | EA | 6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 50.57 | 13.89 |
| 23 05 29 00-1152 | EA | 8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 65.56 | 15.03 |
| 23 05 29 00-1153 | EA | 10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 79.17 | 17.90 |
| 23 05 29 00-1154 | EA | 12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 90.66 | 22.26 |
| 23 05 29 00-1155 | EA | 14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 102.23 | 24.22 |
| 23 05 29 00-1156 | EA | 16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 121.23 | 30.99 |
| 23 05 29 00-1157 | EA | 18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 129.94 | 32.48 |
| 23 05 29 00-1158 | EA | 20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 145.98 | 37.19 |
| 23 05 29 00-1159 | EA | 24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 174.12 | 44.99 |
| 23 05 29 00-1160 | EA | 26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 198.55 | 52.92 |
| 23 05 29 00-1161 | EA | 28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 225.91 | 62.44 |
| 23 05 29 00-1162 | EA | 30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 255.56 | 73.80 |
| 23 05 29 00-1163 | EA | 42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 365.45 | 113.98 |
| 23 05 29 00-1164 | EA | 44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 393.57 | 125.46 |
| 23 05 29 00-1165 | EA | 46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate | 419.31 | 135.44 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-1166 | | **Equipment Housekeeping Pads** *(23 05 29)* See CSI section 03 31 13 00-0089 for Concrete Equipment Pads. | | |
| 23 05 29 00-1167 | | **Molded Plastic Condenser Pad** *(23 05 29 00-1166)* | | |
| 23 05 29 00-1168 | EA | 30" Round Molded Plastic Pad | 140.35 | 14.63 |
| 23 05 29 00-1169 | EA | 30" Octagon Molded Plastic Pad | 147.65 | 14.63 |
| 23 05 29 00-1170 | EA | 30" x 30" Molded Plastic Pad | 140.35 | 14.63 |
| 23 05 29 00-1171 | EA | 36" x 36" Molded Plastic Pad | 184.12 | 14.63 |
| 23 05 29 00-1172 | EA | 36" x 48" Molded Plastic Pad | 266.03 | 14.63 |
| 23 05 29 00-1173 | | **Inertia Base** *(23 05 29 00-1166)* Note: Includes spring isolators. | | |
| 23 05 29 00-1174 | EA | Up To 12 SF Inertia Base, 8" Thick With Spring Base | 2,869.06 | |
| 23 05 29 00-1175 | EA | >12 To 16 SF Inertia Base, 8" Thick With Spring Base | 3,469.33 | |
| 23 05 29 00-1176 | EA | >16 To 20 SF Inertia Base, 8" Thick With Spring Base | 3,974.06 | |
| 23 05 29 00-1177 | EA | >20 To 24 SF Inertia Base, 8" Thick With Spring Base | 4,542.49 | |
| 23 05 29 00-1178 | | **Hanger Assemblies** *(23 05 29)* Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available. | | |
| 23 05 29 00-1179 | EA | 1/2" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 54.62 | 18.20 |
| | | *For Work In Restricted Working Space, Add* | *11.72* | |
| 23 05 29 00-1180 | EA | 3/4" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 56.78 | 19.28 |
| | | *For Work In Restricted Working Space, Add* | *12.36* | |
| 23 05 29 00-1181 | EA | 1" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 58.67 | 20.50 |
| | | *For Work In Restricted Working Space, Add* | *12.91* | |
| 23 05 29 00-1182 | EA | 1-1/4" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 59.58 | 20.53 |
| | | *For Work In Restricted Working Space, Add* | *13.10* | |
| 23 05 29 00-1183 | EA | 1-1/2" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 59.81 | 20.53 |
| | | *For Work In Restricted Working Space, Add* | *13.10* | |
| 23 05 29 00-1184 | EA | 2" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 60.91 | 20.69 |
| | | *For Work In Restricted Working Space, Add* | *13.30* | |
| 23 05 29 00-1185 | EA | 2-1/2" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 72.69 | 22.23 |
| | | *For Work In Restricted Working Space, Add* | *13.58* | |
| 23 05 29 00-1186 | EA | 3" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 74.55 | 22.87 |
| | | *For Work In Restricted Working Space, Add* | *13.80* | |
| 23 05 29 00-1187 | EA | 4" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 91.93 | 25.82 |
| | | *For Work In Restricted Working Space, Add* | *15.23* | |
| 23 05 29 00-1188 | EA | 6" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 138.85 | 33.36 |
| | | *For Work In Restricted Working Space, Add* | *20.01* | |
| 23 05 29 00-1189 | EA | 8" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 157.15 | 38.70 |
| | | *For Work In Restricted Working Space, Add* | *23.22* | |
| 23 05 29 00-1190 | EA | 10" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 213.40 | 49.16 |
| | | *For Work In Restricted Working Space, Add* | *29.13* | |
| 23 05 29 00-1191 | EA | 12" Standard Duty Clevis Pipe Hanger Assembly<br>Note: Includes hanger, rod, nuts, washers and clamp. | 231.19 | 52.90 |
| | | *For Work In Restricted Working Space, Add* | *31.80* | |
| 23 05 29 00-1192 | | **Steel Shapes For Hanger Devices** *(23 05 29)* | | |
| 23 05 29 00-1193 | | **Angle Iron For Hanger Devices** *(23 05 29 00-1192)* | | |
| 23 05 29 00-1194 | LF | 1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices | 2.83 | 1.70 |
| 23 05 29 00-1195 | LF | 3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices | 3.71 | 2.13 |
| 23 05 29 00-1196 | LF | 1" x 1" x 1/8" Angle Iron For Hanger Devices | 4.59 | 2.55 |
| 23 05 29 00-1197 | LF | 1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices | 6.42 | 3.17 |
| 23 05 29 00-1198 | LF | 1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices | 7.20 | 3.40 |
| 23 05 29 00-1199 | LF | 2" x 2" x 1/4" Angle Iron For Hanger Devices | 9.84 | 3.82 |
| 23 05 29 00-1200 | LF | 2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices | 12.28 | 4.65 |
| 23 05 29 00-1201 | LF | 3" x 2" x 3/8" Angle Iron For Hanger Devices | 16.04 | 5.45 |
| 23 05 29 00-1202 | LF | 3" x 3" x 3/8" Angle Iron For Hanger Devices | 19.19 | 6.37 |
| 23 05 29 00-1203 | | **Channels For Hanger Devices** *(23 05 29 00-1192)* | | |
| 23 05 29 00-1204 | LF | C2 x 1.78, 2" Wide Channels For Hanger Devices | 8.47 | 4.40 |
| 23 05 29 00-1205 | LF | C3 x 4.1, 3" Wide Channels For Hanger Devices | 14.52 | 6.31 |
| 23 05 29 00-1206 | LF | C4 x 5.4, 4" Wide Channels For Hanger Devices | 18.15 | 7.58 |
| 23 05 29 00-1207 | LF | C5 x 6.7 - 5" Wide Channels For Hanger Devices | 21.76 | 8.85 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 29 00-1208 | LF | C6 x 8.2 - 6" Wide Channels For Hanger Devices | 26.36 | 10.61 |
| 23 05 29 00-1209 | LF | C7 x 9.8 - 7" Wide Channels For Hanger Devices | 31.44 | 12.64 |
| 23 05 29 00-1210 | LF | C8 x 11.5 - 8" Wide Channels For Hanger Devices | 35.66 | 13.90 |
| 23 05 29 00-1211 | | Structural Bar Tees For Hanger Devices *(23 05 29 00-1192)* | | |
| 23 05 29 00-1212 | LF | 3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices | 9.37 | 6.18 |
| 23 05 29 00-1213 | LF | 1" x 1" x 1/8" Structural Bar Tee For Hanger Devices | 11.29 | 7.30 |
| 23 05 29 00-1214 | LF | 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices | 16.20 | 8.42 |
| 23 05 29 00-1215 | LF | 2" x 2" x 1/4" Structural Bar Tee For Hanger Devices | 20.88 | 11.24 |
| 23 05 29 00-1216 | LF | 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices | 28.66 | 13.48 |
| 23 05 29 00-1217 | LF | 3" x 3" x 3/8" Structural Bar Tee For Hanger Devices | 35.94 | 17.41 |
| 23 05 29 00-1218 | | Structural Zees For Hanger Devices *(23 05 29 00-1192)* | | |
| 23 05 29 00-1219 | LF | 1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices | 16.22 | 8.42 |
| 23 05 29 00-1220 | LF | 2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices | 19.56 | 8.42 |
| 23 05 29 00-1221 | LF | 3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices | 28.69 | 8.42 |
| 23 05 29 00-1222 | LF | 3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices | 36.30 | 8.42 |
| 23 05 29 00-1223 | LF | 3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices | 44.29 | 8.42 |
| 23 05 29 00-1224 | | Junior I-beams For Hanger Devices *(23 05 29 00-1192)* | | |
| 23 05 29 00-1225 | LF | 3" I-beam (Junior) For Hanger Devices | 20.14 | 12.35 |
| 23 05 29 00-1226 | LF | 4" I-beam (Junior) For Hanger Devices | 23.18 | 13.48 |
| 23 05 29 00-1227 | LF | 5" I-beam (Junior) For Hanger Devices | 26.78 | 14.61 |
| 23 05 29 00-1228 | LF | 6" I-beam (Junior) For Hanger Devices | 29.30 | 16.29 |
| 23 05 29 00-1229 | LF | 7" I-beam (Junior) For Hanger Devices | 34.89 | 17.41 |
| 23 05 29 00-1230 | LF | 8" I-beam (Junior) For Hanger Devices | 37.78 | 18.54 |

## 23 05 33 Heat Tracing for HVAC Piping *(23 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

## 23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

### 23 05 48 13 Vibration Controls for HVAC *(23 05 48)*

| | | | | |
|---|---|---|---|---|
| 23 05 48 13-0001 | | Unhoused Stable Steel Spring Isolators *(23 05 48 13)* | | |
| | | Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only. | | |
| 23 05 48 13-0002 | EA | 60 Lb. Capacity, Unhoused Steel Spring Isolator | 107.26 | 32.77 |
| 23 05 48 13-0003 | EA | 115 Lb. Capacity, Unhoused Steel Spring Isolator | 114.01 | 32.77 |
| 23 05 48 13-0004 | EA | 1,130 Lb. Capacity, Unhoused Steel Spring Isolator | 136.44 | 32.77 |
| 23 05 48 13-0005 | | Housed Stable Steel Spring Isolators *(23 05 48 13)* | | |
| | | Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc. | | |
| 23 05 48 13-0006 | EA | To 770 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection | 261.43 | 32.77 |
| 23 05 48 13-0007 | EA | To 1,040 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection | 291.65 | 32.77 |
| 23 05 48 13-0008 | EA | To 1,600 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection | 306.76 | 32.77 |
| 23 05 48 13-0009 | EA | To 2,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection | 367.19 | 32.77 |
| 23 05 48 13-0010 | EA | To 3,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection | 382.30 | 32.77 |
| 23 05 48 13-0011 | EA | To 730 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection | 287.87 | 32.77 |
| 23 05 48 13-0012 | EA | To 930 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection | 314.31 | 32.77 |
| 23 05 48 13-0013 | EA | To 1,440 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection | 333.20 | 32.77 |
| 23 05 48 13-0014 | EA | To 1,860 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection | 420.07 | 32.77 |
| 23 05 48 13-0015 | EA | To 2,880 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection | 454.06 | 32.77 |
| 23 05 48 13-0016 | EA | To 3,720 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection | 533.38 | 32.77 |
| 23 05 48 13-0017 | | Vibration Isolators *(23 05 48 13)* | | |
| 23 05 48 13-0018 | | Spring And Rubber Hanger For 1" Deflection *(23 05 48 13-0017)* | | |
| 23 05 48 13-0019 | EA | 50 To 500 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size | 141.39 | 21.08 |
| 23 05 48 13-0020 | EA | 600 To 1,000 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size | 297.06 | 23.42 |
| 23 05 48 13-0021 | | Rubber-In-Shear Isolator Hanger *(23 05 48 13-0017)* | | |
| 23 05 48 13-0022 | EA | 45-340 Lb. Rated Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size | 78.68 | 17.57 |
| 23 05 48 13-0023 | EA | 130-700 Lb. Rated Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size | 101.95 | 21.08 |
| 23 05 48 13-0024 | | Spring Hanger For 1" Deflection *(23 05 48 13-0017)* | | |
| 23 05 48 13-0025 | EA | 50 To 1,000 Lb. Rated Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size | 89.26 | 21.08 |
| 23 05 48 13-0026 | | Rubber-In-Shear Vibration Isolator *(23 05 48 13-0017)* | | |
| 23 05 48 13-0027 | EA | 45 To 340 Lb. Rubber In Shear Vibration Isolation With 0.38" Deflection | 164.26 | 39.82 |
| 23 05 48 13-0028 | EA | 130 To 700 Lb. Rubber In Shear Vibration Isolation With 0.43" Deflection | 224.09 | 39.82 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 48 13-0029 | EA | 550 To 1,920 Lb. Rubber In Shear Vibration Isolation With 0.48" Deflection | 429.43 | 39.82 |
| **23 05 48 13-0030** | | **Two-Piece Spring Type Vibration Isolator** *(23 05 48 13-0017)* | | |
| | | Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection. | | |
| 23 05 48 13-0031 | EA | 50 To 1,000 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator | 139.04 | 39.82 |
| 23 05 48 13-0032 | EA | >1,000 To 1,600 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator | 143.50 | 39.82 |
| **23 05 48 13-0033** | | **Open Double Spring Type Vibration Isolator** *(23 05 48 13-0017)* | | |
| | | Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt. | | |
| 23 05 48 13-0034 | EA | 150 To 450 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator | 108.02 | 19.90 |
| 23 05 48 13-0035 | EA | 500 To 1,000 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator | 108.02 | 19.90 |
| 23 05 48 13-0036 | EA | 1,100 To 1,600 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator | 122.89 | 19.90 |
| 23 05 48 13-0037 | EA | 1,700 To 2,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator | 122.89 | 19.90 |
| 23 05 48 13-0038 | EA | 2,500 To 3,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator | 190.11 | 19.90 |
| **23 05 48 13-0039** | | **Isolation Pads** *(23 05 48 13-0017)* | | |
| **23 05 48 13-0040** | | **Laminated Neoprene And Cork Isolation Pad** *(23 05 48 13-0039)* | | |
| 23 05 48 13-0041 | EA | 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad | 7.12 | 2.93 |
| 23 05 48 13-0042 | EA | 3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad | 9.15 | 3.04 |
| 23 05 48 13-0043 | EA | 4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad | 11.48 | 3.16 |
| 23 05 48 13-0044 | EA | 12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad | 45.67 | 3.63 |
| 23 05 48 13-0045 | EA | 18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad | 87.50 | 4.10 |
| **23 05 48 13-0046** | | **Neoprene And Steel Plate Isolation Pad** *(23 05 48 13-0039)* | | |
| 23 05 48 13-0047 | EA | 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad | 141.10 | 2.93 |
| 23 05 48 13-0048 | EA | 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad | 156.07 | 2.93 |
| **23 05 48 13-0049** | | **Neoprene Isolation Pad** *(23 05 48 13-0039)* | | |
| 23 05 48 13-0050 | EA | 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad | 6.63 | 2.93 |
| 23 05 48 13-0051 | EA | 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad | 7.58 | 2.93 |
| 23 05 48 13-0052 | EA | 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad | 9.08 | 2.93 |
| 23 05 48 13-0053 | EA | 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad | 44.93 | 3.52 |
| 23 05 48 13-0054 | EA | 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad | 82.22 | 4.10 |
| **23 05 48 13-0055** | | **Miscellaneous Piping Isolators** *(23 05 48 13-0017)* | | |
| 23 05 48 13-0056 | EA | Vibration Isolator, 2" Deflector<br>Note: M.M. Sausse Model # RMXA. | 1,000.17 | 35.13 |
| **23 05 48 13-0057** | | **Threaded Flexible Bronze Hose Connectors** *(23 05 48 13)* | | |
| | | Note: Includes hex threaded nipple ends. | | |
| 23 05 48 13-0058 | EA | 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends | 76.17 | 18.73 |
| 23 05 48 13-0059 | EA | 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends | 89.31 | 25.76 |
| 23 05 48 13-0060 | EA | 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends | 109.63 | 31.62 |
| 23 05 48 13-0061 | EA | 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends | 127.58 | 37.47 |
| 23 05 48 13-0062 | EA | 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends | 146.30 | 49.18 |
| 23 05 48 13-0063 | EA | 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends | 164.79 | 52.34 |
| 23 05 48 13-0064 | EA | 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends | 220.56 | 62.06 |
| 23 05 48 13-0065 | EA | 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends | 304.33 | 96.72 |
| **23 05 48 13-0066** | | **Weld End Flexible Hose Connectors** *(23 05 48 13)* | | |
| 23 05 48 13-0067 | EA | 1/2" Diameter x 10" Flexible Hose Connection, Weld Ends | 240.30 | 67.22 |
| 23 05 48 13-0068 | EA | 3/4" Diameter x 10" Flexible Hose Connection, Weld Ends | 280.07 | 73.78 |
| 23 05 48 13-0069 | EA | 1" Diameter x 10" Flexible Hose Connection, Weld Ends | 314.90 | 78.11 |
| 23 05 48 13-0070 | EA | 1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends | 352.38 | 89.00 |
| 23 05 48 13-0071 | EA | 1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends | 398.92 | 96.03 |
| 23 05 48 13-0072 | EA | 2" Diameter x 14" Flexible Hose Connection, Weld Ends | 501.50 | 124.94 |
| 23 05 48 13-0073 | EA | 2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends | 745.90 | 140.53 |
| 23 05 48 13-0074 | EA | 3" Diameter x 16" Flexible Hose Connection, Weld Ends | 918.29 | 158.09 |
| 23 05 48 13-0075 | EA | 4" Diameter x 18" Flexible Hose Connection, Weld Ends | 1,273.58 | 234.21 |
| **23 05 48 13-0076** | | **Flanged Flexible Hose Connectors** *(23 05 48 13)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 05 48 13-0077** | | **Flanged Flexible Molded Rubber Hose Connectors** *(23 05 48 13-0076)* | | |
| | | Note: With helical wire reinforcement 150 PSI. | | |
| 23 05 48 13-0078 | EA | 1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI | 231.10 | 87.83 |
| 23 05 48 13-0079 | EA | 2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI | 250.08 | 97.55 |
| 23 05 48 13-0080 | EA | 2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI | 407.19 | 194.86 |
| 23 05 48 13-0081 | EA | 3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI | 564.17 | 289.83 |
| 23 05 48 13-0082 | EA | 4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI | 735.04 | 374.14 |
| 23 05 48 13-0083 | EA | 6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI | 933.53 | 389.08 |
| 23 05 48 13-0084 | EA | 8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI | 1,134.56 | 444.39 |
| 23 05 48 13-0085 | EA | 10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI | 1,468.91 | 528.85 |
| 23 05 48 13-0086 | EA | 12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI | 3,564.04 | 661.44 |
| **23 05 48 13-0087** | | **Flanged Flexible Corrugated Stainless Steel Hose Connectors** *(23 05 48 13-0076)* | | |
| | | Note: With braided metal wire. | | |
| 23 05 48 13-0088 | EA | 1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 180.05 | 79.86 |
| 23 05 48 13-0089 | EA | 1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 175.18 | 109.85 |
| 23 05 48 13-0090 | EA | 1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 335.96 | 146.38 |
| 23 05 48 13-0091 | EA | 2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 436.31 | 219.56 |
| 23 05 48 13-0092 | EA | 2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 469.28 | 241.58 |
| 23 05 48 13-0093 | EA | 3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 545.44 | 292.53 |
| 23 05 48 13-0094 | EA | 4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 698.37 | 374.49 |
| 23 05 48 13-0095 | EA | 4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 1,264.79 | 516.65 |
| 23 05 48 13-0096 | EA | 4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 1,447.56 | 605.65 |
| 23 05 48 13-0097 | EA | 6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 962.62 | 465.96 |
| 23 05 48 13-0098 | EA | 6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 1,825.38 | 583.62 |
| 23 05 48 13-0099 | EA | 8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 1,571.84 | 622.53 |
| 23 05 48 13-0100 | EA | 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 1,849.89 | 719.85 |
| 23 05 48 13-0101 | EA | 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation | 2,378.94 | 778.17 |
| **23 05 48 13-0102** | | **Flanged Flexible Molded Teflon Hose Connectors** *(23 05 48 13-0076)* | | |
| | | Note: 150 PSI. | | |
| 23 05 48 13-0103 | EA | 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation | 1,005.14 | 169.80 |
| 23 05 48 13-0104 | EA | 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation | 1,127.43 | 199.08 |
| 23 05 48 13-0105 | EA | 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation | 1,708.94 | 334.58 |
| 23 05 48 13-0106 | EA | 6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation | 2,076.54 | 389.08 |
| 23 05 48 13-0107 | EA | 8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation | 2,729.25 | 477.28 |
| **23 05 48 13-0108** | | **Flexible Hose Connectors Braided Metal Hose Type** *(23 05 48 13)* | | |
| **23 05 48 13-0109** | | **Braided Metal Hose Type Flexible Bronze Hose Connectors** *(23 05 48 13-0108)* | | |
| | | Note: MPT connection. | | |
| 23 05 48 13-0110 | EA | 1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 39.73 | 2.35 |
| 23 05 48 13-0111 | EA | 1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 47.49 | 2.35 |
| 23 05 48 13-0112 | EA | 1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 52.86 | 3.04 |
| 23 05 48 13-0113 | EA | 1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 64.29 | 3.04 |
| 23 05 48 13-0114 | EA | 3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 53.21 | 2.81 |
| 23 05 48 13-0115 | EA | 3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 64.28 | 2.81 |
| 23 05 48 13-0116 | EA | 3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 73.55 | 3.62 |
| 23 05 48 13-0117 | EA | 3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 90.79 | 3.62 |
| 23 05 48 13-0118 | EA | 1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 72.60 | 3.28 |
| 23 05 48 13-0119 | EA | 1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 79.40 | 3.28 |
| 23 05 48 13-0120 | EA | 1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 94.34 | 4.33 |
| 23 05 48 13-0121 | EA | 1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 119.56 | 4.33 |
| 23 05 48 13-0122 | EA | 1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 144.59 | 4.33 |
| 23 05 48 13-0123 | EA | 1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 169.70 | 4.33 |
| 23 05 48 13-0124 | EA | 1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 103.42 | 4.20 |
| 23 05 48 13-0125 | EA | 1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 114.00 | 4.20 |
| 23 05 48 13-0126 | EA | 1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 146.27 | 4.20 |
| 23 05 48 13-0127 | EA | 1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 203.36 | 5.60 |
| 23 05 48 13-0128 | EA | 1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 235.87 | 5.60 |
| 23 05 48 13-0129 | EA | 1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 279.13 | 5.60 |
| 23 05 48 13-0130 | EA | 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 141.56 | 5.07 |
| 23 05 48 13-0131 | EA | 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 163.69 | 5.07 |
| 23 05 48 13-0132 | EA | 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 206.54 | 5.07 |
| 23 05 48 13-0133 | EA | 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 275.48 | 6.79 |
| 23 05 48 13-0134 | EA | 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 340.78 | 6.79 |
| 23 05 48 13-0135 | EA | 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 406.03 | 6.79 |
| 23 05 48 13-0136 | EA | 2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 196.59 | 6.36 |
| 23 05 48 13-0137 | EA | 2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 223.84 | 6.03 |
| 23 05 48 13-0138 | EA | 2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 251.37 | 6.03 |
| 23 05 48 13-0139 | EA | 2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 309.98 | 8.09 |
| 23 05 48 13-0140 | EA | 2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 365.33 | 8.09 |
| 23 05 48 13-0141 | EA | 2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 418.95 | 8.09 |
| 23 05 48 13-0142 | EA | 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 310.00 | 8.09 |
| 23 05 48 13-0143 | EA | 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 346.77 | 8.09 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 48 13-0144 | EA | 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 1,121.15 | 8.09 |
| 23 05 48 13-0145 | EA | 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 1,349.39 | 10.78 |
| 23 05 48 13-0146 | EA | 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 537.01 | 10.78 |
| 23 05 48 13-0147 | EA | 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 609.36 | 10.78 |
| 23 05 48 13-0148 | EA | 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 567.42 | 9.50 |
| 23 05 48 13-0149 | EA | 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 610.38 | 9.50 |
| 23 05 48 13-0150 | EA | 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 653.34 | 9.50 |
| 23 05 48 13-0151 | EA | 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 746.99 | 12.67 |
| 23 05 48 13-0152 | EA | 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 832.58 | 12.67 |
| 23 05 48 13-0153 | EA | 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection | 920.01 | 12.67 |

## 23 05 48 13-0154 Braided Stainless Steel Flexible Hose Connectors *(23 05 48 13-0108)*

Note: Over braided carbon steel connection.

| | | | | |
|---|---|---|---|---|
| 23 05 48 13-0155 | EA | 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 168.70 | 5.15 |
| 23 05 48 13-0156 | EA | 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 203.85 | 5.15 |
| 23 05 48 13-0157 | EA | 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 238.34 | 5.15 |
| 23 05 48 13-0158 | EA | 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 311.97 | 6.90 |
| 23 05 48 13-0159 | EA | 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 381.88 | 6.90 |
| 23 05 48 13-0160 | EA | 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 451.71 | 6.90 |
| 23 05 48 13-0161 | EA | 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 191.22 | 6.03 |
| 23 05 48 13-0162 | EA | 2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 227.95 | 6.03 |
| 23 05 48 13-0163 | EA | 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 264.86 | 6.03 |
| 23 05 48 13-0164 | EA | 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 343.12 | 8.09 |
| 23 05 48 13-0165 | EA | 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 416.62 | 8.09 |
| 23 05 48 13-0166 | EA | 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 489.11 | 8.09 |
| 23 05 48 13-0167 | EA | 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 202.89 | 8.09 |
| 23 05 48 13-0168 | EA | 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 244.97 | 8.30 |
| 23 05 48 13-0169 | LF | 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 287.66 | 8.09 |
| 23 05 48 13-0170 | EA | 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 380.96 | 10.78 |
| 23 05 48 13-0171 | EA | 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 465.86 | 10.78 |
| 23 05 48 13-0172 | EA | 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 553.18 | 10.78 |
| 23 05 48 13-0173 | EA | 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 409.20 | 15.79 |
| 23 05 48 13-0174 | EA | 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 603.83 | 15.90 |
| 23 05 48 13-0175 | EA | 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 809.79 | 20.94 |
| 23 05 48 13-0176 | EA | 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 1,004.50 | 20.94 |
| 23 05 48 13-0177 | EA | 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 1,199.15 | 20.94 |
| 23 05 48 13-0178 | EA | 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 709.87 | 19.31 |
| 23 05 48 13-0179 | EA | 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 857.12 | 19.31 |
| 23 05 48 13-0180 | EA | 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 1,162.02 | 25.09 |
| 23 05 48 13-0181 | EA | 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 1,454.14 | 25.09 |
| 23 05 48 13-0182 | EA | 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 1,746.17 | 25.09 |
| 23 05 48 13-0183 | EA | 10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 760.48 | 24.13 |
| 23 05 48 13-0184 | EA | 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 1,128.62 | 24.13 |
| 23 05 48 13-0185 | EA | 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 1,511.67 | 31.42 |
| 23 05 48 13-0186 | EA | 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 1,881.10 | 31.42 |
| 23 05 48 13-0187 | EA | 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 2,248.96 | 31.42 |
| 23 05 48 13-0188 | EA | 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 1,508.48 | 29.17 |
| 23 05 48 13-0189 | EA | 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 1,967.91 | 29.17 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 48 13-0190 | EA | 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 2,462.00 | 39.25 |
| 23 05 48 13-0191 | EA | 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 2,925.47 | 39.25 |
| 23 05 48 13-0192 | EA | 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded | 3,391.09 | 39.25 |
| 23 05 48 13-0193 | | Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0108)* | | |
| | | Note: Flanged end connection (carbon steel ends). | | |
| 23 05 48 13-0194 | EA | 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 498.12 | 5.07 |
| 23 05 48 13-0195 | EA | 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 876.86 | 143.68 |
| 23 05 48 13-0196 | EA | 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 1,087.62 | 143.68 |
| 23 05 48 13-0197 | EA | 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 1,298.38 | 143.68 |
| 23 05 48 13-0198 | EA | 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 1,509.23 | 143.68 |
| 23 05 48 13-0199 | EA | 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 781.14 | 183.25 |
| 23 05 48 13-0200 | EA | 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 1,003.23 | 183.25 |
| 23 05 48 13-0201 | EA | 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 1,225.41 | 183.25 |
| 23 05 48 13-0202 | EA | 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 1,447.66 | 183.25 |
| 23 05 48 13-0203 | EA | 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 1,666.03 | 183.25 |
| 23 05 48 13-0204 | EA | 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 1,064.73 | 307.20 |
| 23 05 48 13-0205 | EA | 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 1,323.96 | 307.97 |
| 23 05 48 13-0206 | EA | 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 1,587.41 | 307.20 |
| 23 05 48 13-0207 | EA | 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 1,881.96 | 307.20 |
| 23 05 48 13-0208 | EA | 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 2,107.03 | 307.20 |
| 23 05 48 13-0209 | EA | 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 1,689.47 | 394.63 |
| 23 05 48 13-0210 | EA | 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 2,276.84 | 394.63 |
| 23 05 48 13-0211 | EA | 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 2,864.53 | 396.05 |
| 23 05 48 13-0212 | EA | 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 3,451.98 | 394.63 |
| 23 05 48 13-0213 | EA | 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 4,039.35 | 394.63 |
| 23 05 48 13-0214 | EA | 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 2,881.41 | 493.34 |
| 23 05 48 13-0215 | EA | 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 3,325.76 | 493.34 |
| 23 05 48 13-0216 | EA | 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 4,206.77 | 493.34 |
| 23 05 48 13-0217 | EA | 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 5,088.11 | 493.34 |
| 23 05 48 13-0218 | EA | 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 5,969.03 | 493.34 |
| 23 05 48 13-0219 | EA | 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 4,793.89 | 600.58 |
| 23 05 48 13-0220 | EA | 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 5,900.96 | 600.58 |
| 23 05 48 13-0221 | EA | 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 7,015.48 | 600.58 |
| 23 05 48 13-0222 | EA | 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 8,127.59 | 600.58 |
| 23 05 48 13-0223 | EA | 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 9,026.38 | 600.58 |
| 23 05 48 13-0224 | EA | 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 6,542.03 | 729.28 |
| 23 05 48 13-0225 | EA | 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 7,946.88 | 729.28 |
| 23 05 48 13-0226 | EA | 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 9,351.64 | 729.28 |
| 23 05 48 13-0227 | EA | 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 10,756.41 | 729.28 |
| 23 05 48 13-0228 | EA | 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) | 12,161.26 | 729.28 |

## 23 05 53 Identification for HVAC Piping and Equipment *(23 05)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 53 00-0001 | | Systems Identification *(23 05 53)* | | |
| 23 05 53 00-0002 | | Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)* | | |
| | | Note: Outside diameters of insulation where necessary. | | |
| 23 05 53 00-0003 | EA | 1/2" Outside Diameter Snap-On Plastic Marker | 19.75 | |
| 23 05 53 00-0004 | EA | 3/4" Outside Diameter Snap-On Plastic Marker | 20.05 | |
| 23 05 53 00-0005 | EA | 1" Outside Diameter Snap-On Plastic Marker | 20.20 | |
| 23 05 53 00-0006 | EA | 1-1/4" Outside Diameter Snap-On Plastic Marker | 20.51 | |
| 23 05 53 00-0007 | EA | 1-1/2" Outside Diameter Snap-On Plastic Marker | 23.77 | |
| 23 05 53 00-0008 | EA | 2" Outside Diameter Snap-On Plastic Marker | 24.30 | |
| 23 05 53 00-0009 | EA | 2-1/2" Outside Diameter Snap-On Plastic Marker | 38.36 | |
| 23 05 53 00-0010 | EA | 3" Outside Diameter Snap-On Plastic Marker | 38.78 | |
| 23 05 53 00-0011 | EA | 3-1/2" Outside Diameter Snap-On Plastic Marker | 39.23 | |
| 23 05 53 00-0012 | EA | 4" Outside Diameter Snap-On Plastic Marker | 39.46 | |
| 23 05 53 00-0013 | EA | 4-1/2" Outside Diameter Snap-On Plastic Marker | 39.71 | |
| 23 05 53 00-0014 | EA | 5" Outside Diameter Snap-On Plastic Marker | 39.97 | |
| 23 05 53 00-0015 | EA | 6" Outside Diameter Snap-On Plastic Marker | 41.86 | |
| 23 05 53 00-0016 | EA | 7" Outside Diameter Snap-On Plastic Marker | 42.14 | |
| 23 05 53 00-0017 | EA | 8" Outside Diameter Snap-On Plastic Marker | 51.79 | |
| 23 05 53 00-0018 | EA | 10" Outside Diameter Snap-On Plastic Marker | 53.59 | |
| 23 05 53 00-0019 | EA | 12" Outside Diameter Snap-On Plastic Marker | 61.76 | |
| 23 05 53 00-0020 | EA | 14" Outside Diameter Snap-On Plastic Marker | 70.82 | |
| 23 05 53 00-0021 | | Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)* | | |
| | | Note: Outside diameter includes insulation where necessary. | | |
| 23 05 53 00-0022 | EA | 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 13.66 | |
| 23 05 53 00-0023 | EA | 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 14.24 | |
| 23 05 53 00-0024 | EA | 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 15.42 | |
| 23 05 53 00-0025 | EA | 1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 15.65 | |
| 23 05 53 00-0026 | EA | 1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 16.74 | |
| 23 05 53 00-0027 | EA | 2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 17.09 | |
| 23 05 53 00-0028 | EA | 2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 19.34 | |
| 23 05 53 00-0029 | EA | 3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 19.80 | |
| 23 05 53 00-0030 | EA | 3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 20.15 | |
| 23 05 53 00-0031 | EA | 4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 20.51 | |
| 23 05 53 00-0032 | EA | 4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 21.24 | |
| 23 05 53 00-0033 | EA | 5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 22.03 | |
| 23 05 53 00-0034 | EA | 6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 22.72 | |
| 23 05 53 00-0035 | EA | 7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 23.40 | |
| 23 05 53 00-0036 | EA | 8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 25.89 | |
| 23 05 53 00-0037 | EA | 10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 27.18 | |
| 23 05 53 00-0038 | EA | 12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation | 31.79 | |
| 23 05 53 00-0039 | | Valve Identification Tag *(23 05 53 00-0001)* | | |
| | | Note: Includes beaded chain and/or "S" hook. | | |
| 23 05 53 00-0040 | EA | 2" Diameter Identification Tag, Brass | 12.28 | |
| 23 05 53 00-0041 | EA | 1-1/2" Diameter Identification Tag, Plastic | 11.51 | |
| 23 05 53 00-0042 | EA | 1-1/2" Diameter Identification Tag, Brass | 11.27 | |

## 23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment *(23 05)*

| | | | | |
|---|---|---|---|---|
| 23 05 66 00-0001 | | Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)* | | |
| 23 05 66 00-0002 | EA | 18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO)<br>Note: Includes tube. | 1,040.95 | 84.09 |
| 23 05 66 00-0003 | EA | 24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO)<br>Note: Includes tube. | 1,086.63 | 88.25 |
| 23 05 66 00-0004 | EA | 30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO)<br>Note: Includes tube. | 1,089.41 | 92.03 |
| 23 05 66 00-0005 | EA | 36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)<br>Note: Includes tube. | 1,140.31 | 96.70 |
| 23 05 66 00-0006 | EA | 42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)<br>Note: Includes tube. | 1,234.23 | 100.85 |
| 23 05 66 00-0007 | EA | 62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)<br>Note: Includes tube. | 1,161.37 | 104.00 |
| 23 05 66 00-0008 | | Single Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)* | | |
| 23 05 66 00-0009 | EA | 12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO)<br>Note: Includes tube. | 870.49 | 58.24 |
| 23 05 66 00-0010 | EA | 16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO)<br>Note: Includes tube. | 882.04 | 63.03 |
| 23 05 66 00-0011 | EA | 20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO)<br>Note: Includes tube. | 904.09 | 66.81 |
| 23 05 66 00-0012 | EA | 24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO)<br>Note: Includes tube. | 914.90 | 71.86 |
| 23 05 66 00-0013 | EA | 30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO)<br>Note: Includes tube. | 937.70 | 75.64 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 66 00-0014 | EA | 36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO)<br>Note: Includes tube. | 954.50 | 79.42 |
| 23 05 66 00-0015 | EA | 42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO)<br>Note: Includes tube. | 976.56 | 84.47 |
| 23 05 66 00-0016 | EA | 12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO)<br>Note: Includes tube. | 992.77 | 58.24 |
| 23 05 66 00-0017 | EA | 16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO)<br>Note: Includes tube. | 1,004.32 | 63.03 |
| 23 05 66 00-0018 | EA | 20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO)<br>Note: Includes tube. | 1,026.37 | 66.81 |
| 23 05 66 00-0019 | EA | 24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO)<br>Note: Includes tube. | 1,037.18 | 71.86 |
| 23 05 66 00-0020 | EA | 30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO)<br>Note: Includes tube. | 1,059.98 | 75.64 |
| 23 05 66 00-0021 | EA | 36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO)<br>Note: Includes tube. | 1,076.78 | 79.42 |
| 23 05 66 00-0022 | EA | 42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO)<br>Note: Includes tube. | 1,098.84 | 84.47 |
| 23 05 66 00-0023 | EA | 16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO)<br>Note: Includes tube. | 690.63 | 63.03 |
| 23 05 66 00-0024 | EA | 20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO)<br>Note: Includes tube. | 712.68 | 66.81 |
| 23 05 66 00-0025 | EA | 24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO)<br>Note: Includes tube. | 723.49 | 71.86 |
| 23 05 66 00-0026 | EA | 30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO)<br>Note: Includes tube. | 746.29 | 75.64 |
| 23 05 66 00-0027 | EA | 36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO)<br>Note: Includes tube. | 763.09 | 79.42 |
| 23 05 66 00-0028 | EA | 42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO)<br>Note: Includes tube. | 785.15 | 84.47 |

## 23 05 66 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures *(23 05 66)*

| | | | | |
|---|---|---|---|---|
| 23 05 66 00-0030 | EA | 16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)<br>Note: Includes tube. | 639.01 | 80.68 |
| 23 05 66 00-0031 | EA | 20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)<br>Note: Includes tube. | 652.92 | 84.47 |
| 23 05 66 00-0032 | EA | 24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)<br>Note: Includes tube. | 666.81 | 88.25 |
| 23 05 66 00-0033 | EA | 30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)<br>Note: Includes tube. | 685.63 | 92.03 |
| 23 05 66 00-0034 | EA | 36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)<br>Note: Includes tube. | 710.08 | 96.70 |
| 23 05 66 00-0035 | EA | 42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)<br>Note: Includes tube. | 731.57 | 100.85 |

## 23 05 66 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts *(23 05 66)*

| | | | | |
|---|---|---|---|---|
| 23 05 66 00-0037 | EA | 18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO) | 168.93 | |
| 23 05 66 00-0038 | EA | 24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO) | 177.64 | |
| 23 05 66 00-0039 | EA | 30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO) | 202.11 | |
| 23 05 66 00-0040 | EA | 36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO) | 233.61 | |
| 23 05 66 00-0041 | EA | 42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO) | 265.81 | |
| 23 05 66 00-0042 | EA | 62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO) | 269.16 | |
| 23 05 66 00-0043 | EA | 12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO) | 122.24 | |
| 23 05 66 00-0044 | EA | 16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO) | 128.74 | |
| 23 05 66 00-0045 | EA | 20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO) | 145.75 | |
| 23 05 66 00-0046 | EA | 24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO) | 151.52 | |
| 23 05 66 00-0047 | EA | 30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO) | 169.28 | |
| 23 05 66 00-0048 | EA | 36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO) | 181.04 | |
| 23 05 66 00-0049 | EA | 42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO) | 198.05 | |
| 23 05 66 00-0050 | EA | Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire) | 496.21 | |

## 23 05 66 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories *(23 05 66)*

| | | | | |
|---|---|---|---|---|
| 23 05 66 00-0052 | EA | Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610)<br>Note: Includes 61" emitter, power supply, wires and connectors. | 717.83 | |
| 23 05 66 00-0053 | EA | Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620)<br>Note: Includes 61" emitter, power supply, wires and connectors. | 920.94 | |
| 23 05 66 00-0054 | EA | Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)<br>Note: Includes power supply, wires and connectors. Excludes emitter. | 415.11 | |
| 23 05 66 00-0055 | EA | Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2)<br>Note: Includes power supply, wires and connectors. Excludes emitter. | 439.98 | |
| 23 05 66 00-0056 | EA | Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)<br>Note: Includes power supply, wires and connectors. Excludes emitter. | 572.47 | |
| 23 05 66 00-0057 | EA | Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4)<br>Note: Includes power supply, wires and connectors. Excludes emitter. | 354.12 | |
| 23 05 66 00-0058 | EA | Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5)<br>Note: Includes power supply, wires and connectors. Excludes emitter. | 384.71 | |
| 23 05 66 00-0059 | EA | 16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)<br>Note: Includes power supply, wires and connectors. Excludes emitter. | 499.69 | |
| 23 05 66 00-0060 | EA | 12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)<br>Note: Includes power supply, wires and connectors. Excludes emitter. | 492.63 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 66 00-0061 | LF | 30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101) | 18.51 | |
| 23 05 66 00-0062 | EA | Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111) | 62.18 | |
| 23 05 66 00-0063 | EA | Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112) | 21.12 | |
| 23 05 66 00-0064 | EA | Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113) | 19.89 | |
| 23 05 66 00-0065 | EA | Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104) | 57.14 | |
| 23 05 66 00-0066 | EA | Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114) | 69.19 | |
| 23 05 66 00-0067 | EA | Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108) | 61.34 | |
| 23 05 66 00-0068 | EA | Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115) | 49.58 | |
| 23 05 66 00-0069 | EA | ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109) | 46.78 | |
| 23 05 66 00-0070 | EA | DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223) | 24.82 | |
| 23 05 66 00-0071 | EA | DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603) | 52.72 | |
| 23 05 66 00-0072 | EA | Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100) | 24.93 | |
| 23 05 66 00-0073 | EA | 480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503) | 100.61 | |
| 23 05 66 00-0074 | EA | Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120) | 105.87 | |

### 23 05 66 00-0075 Ultraviolet Duct Disinfection Unit (eLEDLights) *(23 05 66)*

| | | | | |
|---|---|---|---|---|
| 23 05 66 00-0076 | EA | Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1) | 1,474.22 | 116.61 |
| 23 05 66 00-0077 | EA | Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1) | 1,649.43 | 122.91 |
| 23 05 66 00-0078 | EA | Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1) | 1,711.14 | 132.37 |
| 23 05 66 00-0079 | EA | Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1) | 1,789.95 | 141.82 |
| 23 05 66 00-0080 | EA | Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1) | 1,843.10 | 151.28 |
| 23 05 66 00-0081 | EA | Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1) | 2,223.73 | 157.58 |
| 23 05 66 00-0082 | EA | Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1) | 2,229.70 | 122.91 |
| 23 05 66 00-0083 | EA | Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1) | 2,317.08 | 132.37 |
| 23 05 66 00-0084 | EA | Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1) | 2,678.33 | 141.82 |
| 23 05 66 00-0085 | EA | Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1) | 2,782.83 | 151.28 |

### 23 05 66 00-0086 Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) *(23 05 66)*

Note: Includes 2 Year Warranty

| | | | | |
|---|---|---|---|---|
| 23 05 66 00-0087 | EA | Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218D-HO) | 1,371.77 | 122.91 |
| 23 05 66 00-0088 | EA | Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218Q-HO) | 2,370.06 | 122.91 |
| 23 05 66 00-0089 | EA | Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218H-HO) | 3,369.70 | 122.91 |
| 23 05 66 00-0090 | EA | Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224D-HO) | 1,406.80 | 132.37 |
| 23 05 66 00-0091 | EA | Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224Q-HO) | 2,418.53 | 132.37 |
| 23 05 66 00-0092 | EA | Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224H-HO) | 3,431.61 | 132.37 |
| 23 05 66 00-0093 | EA | Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232D-HO) | 1,439.15 | 141.82 |
| 23 05 66 00-0094 | EA | Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232Q-HO) | 2,467.00 | 141.82 |
| 23 05 66 00-0095 | EA | Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232H-HO) | 3,493.51 | 141.82 |
| 23 05 66 00-0096 | EA | Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246D-HO) | 1,592.93 | 157.58 |
| 23 05 66 00-0097 | EA | Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246Q-HO) | 2,718.87 | 157.58 |
| 23 05 66 00-0098 | EA | Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246H-HO) | 3,844.81 | 157.58 |
| 23 05 66 00-0099 | EA | Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260D-HO) | 1,870.33 | 173.34 |
| 23 05 66 00-0100 | EA | Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260Q-HO) | 3,243.49 | 173.34 |
| 23 05 66 00-0101 | EA | Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260H-HO) | 4,615.31 | 173.34 |

## 23 05 93 Testing, Adjusting, and Balancing for HVAC *(23 05)*

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

### 23 05 93 00-0001 Heating And Ventilating Equipment *(23 05 93)*

| | | | |
|---|---|---|---|
| 23 05 93 00-0002 | EA | Balancing Centrifugal Fans | 510.45 |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-255.23* |
| 23 05 93 00-0003 | EA | Balancing Heating And Ventilating Units | 637.81 |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-318.91* |
| 23 05 93 00-0004 | EA | Balancing In Line Fan | 574.25 |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-287.13* |
| 23 05 93 00-0005 | EA | Balancing Propeller And Wall Fan | 127.61 |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-63.81* |
| 23 05 93 00-0006 | EA | Balancing Roof Exhaust Fan | 382.81 |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-191.41* |
| 23 05 93 00-0007 | EA | Balancing Wall Fan | 95.69 |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-47.85* |
| 23 05 93 00-0008 | EA | Balancing Fan Section Exhaust | 509.63 |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-254.82* |

### 23 05 93 00-0009 Air Conditioning Equipment *(23 05 93)*

| | | | |
|---|---|---|---|
| 23 05 93 00-0010 | EA | Balancing Constant Volume Air Handling Unit | 862.79 |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-431.40* |
| 23 05 93 00-0011 | EA | Balancing Package A/C Unit | 323.55 |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-161.78* |
| 23 05 93 00-0012 | EA | Balancing Rooftop Heat And Cool Unit | 431.40 |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-215.70* |
| 23 05 93 00-0013 | EA | Balancing Variable Volume Air Handling Unit | 1,509.88 |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-754.94* |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 05 93 00-0014** | | **Registers, Diffusers, Terminal Air Units And Dampers** *(23 05 93)* | | |
| 23 05 93 00-0015 | EA | Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser | 95.71 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-47.86* | |
| 23 05 93 00-0016 | EA | Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser | 159.52 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-79.76* | |
| 23 05 93 00-0017 | EA | Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser | 82.94 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-41.47* | |
| 23 05 93 00-0018 | EA | Balance Variable Air Volume Box | 89.87 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-44.94* | |
| 23 05 93 00-0019 | EA | Balance Constant Volume Box | 89.87 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-44.94* | |
| 23 05 93 00-0020 | EA | Balance Fan Powered Box | 102.09 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-51.05* | |
| 23 05 93 00-0021 | EA | Balance Lab Fume Hood | 414.75 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-207.38* | |
| 23 05 93 00-0022 | EA | Balance General Hood | 319.03 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-159.52* | |
| 23 05 93 00-0023 | EA | Balance Induction Unit | 191.43 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-95.72* | |
| 23 05 93 00-0024 | EA | Balance Moduline - Master | 76.55 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-38.28* | |
| 23 05 93 00-0025 | EA | Balance Moduline - Slave | 38.28 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-19.14* | |
| 23 05 93 00-0026 | EA | Balance Dampers | 35.55 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-17.78* | |
| 23 05 93 00-0027 | EA | Balance Regenerators | 509.63 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-254.82* | |
| 23 05 93 00-0028 | EA | Duct Traversing for Average Air Velocity and Air Volume, Ceiling Height To 12'<br>Note: Includes drilling holes and patching after testing. | 95.71 | |
| 23 05 93 00-0029 | EA | Duct Traversing for Average Air Velocity and Air Volume, Ceiling Height >12'<br>Note: Includes drilling holes and patching after testing. | 159.52 | |
| **23 05 93 00-0030** | | **Water Balancing Of Components** *(23 05 93)* | | |
| 23 05 93 00-0031 | EA | Water Balance, Air-Cool Condenser | 593.23 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-296.62* | |
| 23 05 93 00-0032 | EA | Water Balance, Cabinet Heater | 75.50 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-37.75* | |
| 23 05 93 00-0033 | EA | Water Balance, Chiller, Air-Cooled | 647.04 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-323.52* | |
| 23 05 93 00-0034 | EA | Water Balance, Chiller, Water Cooled | 862.79 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-431.40* | |
| 23 05 93 00-0035 | EA | Water Balance, Cooling Tower | 431.40 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-215.70* | |
| 23 05 93 00-0036 | EA | Water Balance, Fan Coil And Vent | 107.91 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-53.96* | |
| 23 05 93 00-0037 | EA | Water Balance, Fin Tube And Radiant Panel | 107.85 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-53.93* | |
| 23 05 93 00-0038 | EA | Water Balance, Main And Duct Re-Heat Coil | 118.63 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-59.32* | |
| 23 05 93 00-0039 | EA | Water Balance, Pumps | 323.56 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-161.78* | |
| 23 05 93 00-0040 | EA | Water Balance, Unit Heater | 75.50 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-37.75* | |
| 23 05 93 00-0041 | EA | Water Balancing, Converter | 323.68 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-161.84* | |
| 23 05 93 00-0042 | EA | Water Balancing, Cocks And Valves | 53.91 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-26.96* | |
| 23 05 93 00-0043 | EA | Water Balance, Convector | 64.70 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-32.35* | |
| 23 05 93 00-0044 | EA | Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves | 80.89 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-40.45* | |
| 23 05 93 00-0045 | EA | Water Balance, Boiler, Up To 500 MBH | 701.02 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-350.51* | |
| 23 05 93 00-0046 | EA | >500 To 1,000 MBH, Water Balance, Boiler | 1,294.20 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-647.10* | |
| 23 05 93 00-0047 | EA | >1,000 MBH, Water Balance, Boiler | 2,372.68 | |
| | | *For Testing Of Unit Without Balancing, Deduct* | *-1,186.34* | |
| **23 05 93 00-0048** | | **Non-Destructive Testing** *(23 05 93)* | | |
| **23 05 93 00-0049** | | **X-Ray Welds, Non-Destructive Testing** *(23 05 93 00-0048)* | | |
| **23 05 93 00-0050** | | **Minimum Charge For X-Ray Welds** *(23 05 93 00-0049)* | | |
| 23 05 93 00-0051 | EA | X-Ray Welds Minimum Set-Up Charge<br>Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 889.98 | |
| **23 05 93 00-0052** | | **Piping, X-Ray Welds, Non-Destructive Testing** *(23 05 93 00-0049)* | | |
| 23 05 93 00-0053 | EA | Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing | 90.06 | |
| 23 05 93 00-0054 | EA | 1" Piping, X-Ray Welds, Non-Destructive Testing | 102.43 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 93 00-0055 | EA | 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing | 114.81 | |
| 23 05 93 00-0056 | EA | 2" Piping, X-Ray Welds, Non-Destructive Testing | 121.35 | |
| 23 05 93 00-0057 | EA | 3" Piping, X-Ray Welds, Non-Destructive Testing | 127.87 | |
| 23 05 93 00-0058 | EA | 4" Piping, X-Ray Welds, Non-Destructive Testing | 135.08 | |
| 23 05 93 00-0059 | EA | 6" Piping, X-Ray Welds, Non-Destructive Testing | 148.12 | |
| 23 05 93 00-0060 | EA | 8" Piping, X-Ray Welds, Non-Destructive Testing | 161.19 | |
| 23 05 93 00-0061 | EA | 10" Piping, X-Ray Welds, Non-Destructive Testing | 168.38 | |
| 23 05 93 00-0062 | EA | 12" Piping, X-Ray Welds, Non-Destructive Testing | 177.58 | |
| 23 05 93 00-0063 | | Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0048)* | | |
| 23 05 93 00-0064 | | Piping, Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0063)* | | |
| 23 05 93 00-0065 | EA | Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing | 76.70 | |
| 23 05 93 00-0066 | EA | 1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing | 82.56 | |
| 23 05 93 00-0067 | EA | 1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing | 88.41 | |
| 23 05 93 00-0068 | EA | 2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing | 91.33 | |
| 23 05 93 00-0069 | EA | 3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing | 95.73 | |
| 23 05 93 00-0070 | EA | 4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing | 100.12 | |
| 23 05 93 00-0071 | EA | 6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing | 108.90 | |
| 23 05 93 00-0072 | EA | 8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing | 117.68 | |
| 23 05 93 00-0073 | EA | 10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing | 126.47 | |
| 23 05 93 00-0074 | EA | 12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing | 135.25 | |
| 23 05 93 00-0075 | | Hydrostatic Testing *(23 05 93 00-0048)*<br>Note: Includes flushing and restoring of system. | | |
| 23 05 93 00-0076 | | Piping, Hydrostatic Testing *(23 05 93 00-0075)* | | |
| 23 05 93 00-0077 | EA | Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing | 770.41 | |
| 23 05 93 00-0078 | EA | >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing | 1,100.58 | |
| 23 05 93 00-0079 | EA | >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing | 1,318.71 | |
| 23 05 93 00-0080 | EA | >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing | 1,756.54 | |
| 23 05 93 00-0081 | EA | >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing | 2,661.41 | |
| 23 05 93 00-0082 | EA | Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing | 1,024.34 | |
| 23 05 93 00-0083 | EA | >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing | 1,463.77 | |
| 23 05 93 00-0084 | EA | >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing | 1,742.59 | |
| 23 05 93 00-0085 | EA | >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing | 2,283.47 | |
| 23 05 93 00-0086 | EA | >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing | 3,454.50 | |
| 23 05 93 00-0087 | EA | Up To 100', >4" To 10" Piping, Hydrostatic Testing | 1,334.96 | |
| 23 05 93 00-0088 | EA | >100' To 250', >4" To 10" Piping, Hydrostatic Testing | 1,902.91 | |
| 23 05 93 00-0089 | EA | >250' To 500', >4" To 10" Piping, Hydrostatic Testing | 2,007.66 | |
| 23 05 93 00-0090 | EA | >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing | 2,630.20 | |
| 23 05 93 00-0091 | EA | >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing | 3,979.00 | |
| 23 05 93 00-0092 | EA | Up To 100', >10" To 14" Piping, Hydrostatic Testing | 1,733.12 | |
| 23 05 93 00-0093 | EA | >100' To 250', >10" To 14" Piping, Hydrostatic Testing | 2,470.85 | |
| 23 05 93 00-0094 | EA | >250' To 500', >10" To 14" Piping, Hydrostatic Testing | 2,610.48 | |
| 23 05 93 00-0095 | EA | >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing | 3,423.92 | |
| 23 05 93 00-0096 | EA | >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing | 5,187.76 | |
| 23 05 93 00-0097 | | Pneumatic Testing *(23 05 93 00-0048)*<br>Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test. | | |
| 23 05 93 00-0098 | | Piping, Pneumatic Testing With Inert Gas *(23 05 93 00-0097)* | | |
| 23 05 93 00-0099 | EA | Up To 100', Up To 1-1/2" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 875.46 | |
| 23 05 93 00-0100 | EA | >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 1,249.55 | |
| 23 05 93 00-0101 | EA | >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 1,349.28 | |
| 23 05 93 00-0102 | EA | >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 1,727.39 | |
| 23 05 93 00-0103 | EA | >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 2,700.93 | |
| 23 05 93 00-0104 | EA | Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 1,142.40 | |
| 23 05 93 00-0105 | EA | >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 1,622.59 | |
| 23 05 93 00-0106 | EA | >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 1,754.01 | |
| 23 05 93 00-0107 | EA | >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 2,246.19 | |
| 23 05 93 00-0108 | EA | >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 3,510.95 | |
| 23 05 93 00-0109 | EA | Up To 100', >4" To 10" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 1,375.85 | |
| 23 05 93 00-0110 | EA | >100' To 250', >4" To 10" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 1,942.16 | |
| 23 05 93 00-0111 | EA | >250' To 500', >4" To 10" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 2,196.17 | |
| 23 05 93 00-0112 | EA | >500' To 1,000', >4" To 10" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 2,804.88 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 05 93 00-0113 | EA | >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 4,390.67 | |
| 23 05 93 00-0114 | EA | Up To 100', >10" To 14" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 1,791.39 | |
| 23 05 93 00-0115 | EA | >100' To 250', >10" To 14" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 2,524.89 | |
| 23 05 93 00-0116 | EA | >250' To 500', >10" To 14" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 2,855.71 | |
| 23 05 93 00-0117 | EA | >500' To 1,000', >10" To 14" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 3,646.72 | |
| 23 05 93 00-0118 | EA | >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing<br>Note: Includes soaping joints. | 5,716.37 | |

### 23 05 93 00-0119 EPA Testing Of Sludge *(23 05 93)*

| | | | | |
|---|---|---|---|---|
| 23 05 93 00-0120 | EA | Flashpoint And Lead Test For Lead | 1,052.54 | |
| 23 05 93 00-0121 | EA | Air Test/Combustion Gas Level | 101.64 | |
| 23 05 93 00-0122 | EA | Toxicity Test For Heavy Metals | 1,616.29 | |
| 23 05 93 00-0123 | EA | Aboveground Tank Water Settlement Test Including Water | 1,225.42 | |

# 23 07 HVAC Insulation *(23)*

## 23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

### 23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.

### 23 07 13 00-0002 Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 07 13 00-0003 | SF | 1" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation | 4.09 | 2.30 |
| | | *For Plain Blanket, With No Facing, Deduct* | *-0.41* | |
| | | *For Work In Restricted Working Space, Add* | *0.92* | |
| 23 07 13 00-0004 | SF | 1-1/2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation | 4.76 | 2.30 |
| | | *For Plain Blanket, With No Facing, Deduct* | *-0.47* | |
| | | *For Work In Restricted Working Space, Add* | *1.07* | |
| 23 07 13 00-0005 | SF | 2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation | 5.39 | 3.44 |
| | | *For Plain Blanket, With No Facing, Deduct* | *-0.52* | |
| | | *For Work In Restricted Working Space, Add* | *1.23* | |
| 23 07 13 00-0006 | SF | 3" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation | 6.39 | 4.02 |
| | | *For Plain Blanket, With No Facing, Deduct* | *-0.64* | |
| | | *For Work In Restricted Working Space, Add* | *1.44* | |
| 23 07 13 00-0007 | SF | 4" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation | 7.69 | 4.36 |
| | | *For Plain Blanket, With No Facing, Deduct* | *-1.01* | |
| | | *For Work In Restricted Working Space, Add* | *1.55* | |

### 23 07 13 00-0008 Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 07 13 00-0009 | SF | 1" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation | 5.01 | 3.44 |
| | | *For Plain Blanket, With No Facing, Deduct* | *-0.47* | |
| | | *For Work In Restricted Working Space, Add* | *1.15* | |
| 23 07 13 00-0010 | SF | 1-1/2" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation | 5.85 | 4.02 |
| | | *For Plain Blanket, With No Facing, Deduct* | *-0.58* | |
| | | *For Work In Restricted Working Space, Add* | *1.32* | |
| 23 07 13 00-0011 | SF | 2" Thick, Type 100, 1.0 Lb./CF, Fiber Glass FSK Duct Wrap Insulation | 6.92 | 4.59 |
| | | *For Plain Blanket, With No Facing, Deduct* | *-0.68* | |
| | | *For Work In Restricted Working Space, Add* | *1.57* | |

### 23 07 13 00-0012 Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 07 13 00-0013 | SF | 1" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation | 6.62 | 4.59 |
| | | *For Plain Blanket, With No Facing, Deduct* | *-0.80* | |
| | | *For Work In Restricted Working Space, Add* | *1.38* | |
| 23 07 13 00-0014 | SF | 1-1/2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation | 8.76 | 5.17 |
| | | *For Plain Blanket, With No Facing, Deduct* | *-1.40* | |
| | | *For Work In Restricted Working Space, Add* | *1.58* | |
| 23 07 13 00-0015 | SF | 2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation | 10.24 | 5.74 |
| | | *For Plain Blanket, With No Facing, Deduct* | *-1.65* | |
| | | *For Work In Restricted Working Space, Add* | *1.84* | |

### 23 07 13 00-0016 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.

| | | | | |
|---|---|---|---|---|
| 23 07 13 00-0017 | SF | 1" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation | 10.89 | 6.26 |
| | | *For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add* | *24.95* | |
| | | *For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add* | *18.53* | |
| | | *For Non-Metallic Weatherproof Paste, 2 Lb., Add* | *15.27* | |
| | | *For Work In Restricted Working Space, Add* | *3.06* | |
| 23 07 13 00-0018 | SF | 1-1/2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation | 14.02 | 7.61 |
| | | *For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add* | *30.89* | |
| | | *For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add* | *23.32* | |
| | | *For Non-Metallic Weatherproof Paste, 2 Lb., Add* | *19.11* | |
| | | *For Work In Restricted Working Space, Add* | *3.72* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 07 13 00-0019 | SF | 2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation | 17.51 | 9.19 |
| | | *For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add* | *37.69* | |
| | | *For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add* | *28.73* | |
| | | *For Non-Metallic Weatherproof Paste, 2 Lb., Add* | *23.48* | |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| 23 07 13 00-0020 | | **4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation** *(23 07 13)* | | |
| | | Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener. | | |
| 23 07 13 00-0021 | SF | 1" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation | 12.23 | 6.89 |
| | | *For Work In Restricted Working Space, Add* | *3.36* | |
| 23 07 13 00-0022 | SF | 1-1/2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation | 15.94 | 8.38 |
| | | *For Work In Restricted Working Space, Add* | *4.09* | |
| 23 07 13 00-0023 | SF | 2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation | 20.49 | 10.12 |
| | | *For Work In Restricted Working Space, Add* | *4.94* | |
| 23 07 13 00-0024 | | **Sheet Flexible Elastomeric Insulation** *(23 07 13)* | | |
| 23 07 13 00-0025 | SF | 3/8" Thick, Sheet Flexible Elastomeric Insulation | 9.69 | 3.10 |
| 23 07 13 00-0026 | SF | 1/2" Thick, Sheet Flexible Elastomeric Insulation | 10.36 | 3.27 |
| 23 07 13 00-0027 | SF | 3/4" Thick, Sheet Flexible Elastomeric Insulation | 13.70 | 3.44 |
| 23 07 13 00-0028 | SF | 1" Thick, Sheet Flexible Elastomeric Insulation | 15.83 | 3.61 |
| 23 07 13 00-0029 | SF | 1-1/2" Thick, Sheet Flexible Elastomeric Insulation | 22.04 | 3.96 |
| 23 07 13 00-0030 | SF | 2" Thick, Sheet Flexible Elastomeric Insulation | 26.11 | 4.30 |
| 23 07 13 00-0031 | | **Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation** *(23 07 13)* | | |
| | | Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film. | | |
| 23 07 13 00-0032 | SF | 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation | 14.50 | 3.27 |
| 23 07 13 00-0033 | SF | 3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation | 15.98 | 3.44 |
| 23 07 13 00-0034 | SF | 1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation | 17.82 | 3.61 |
| 23 07 13 00-0035 | SF | 1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation | 28.00 | 3.96 |
| 23 07 13 00-0036 | SF | 2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation | 33.22 | 4.30 |
| 23 07 13 00-0037 | | **Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation** *(23 07 13)* | | |
| | | Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film. | | |
| 23 07 13 00-0038 | SF | 1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation | 17.45 | 3.27 |
| 23 07 13 00-0039 | SF | 3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation | 18.92 | 3.44 |
| 23 07 13 00-0040 | SF | 1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation | 21.29 | 3.61 |
| 23 07 13 00-0041 | SF | 1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation | 31.43 | 3.96 |
| **23 07 16** | | **HVAC Equipment Insulation** *(23 07)* | | |
| 23 07 16 00-0001 | | **Calcium Silicate Block Insulation** *(23 07 16)* | | |
| 23 07 16 00-0002 | SF | 1" Thick, Calcium Silicate Block Insulation | 18.71 | 7.52 |
| | | *For Work In Restricted Working Space, Add* | *4.51* | |
| 23 07 16 00-0003 | SF | 1-1/2" Thick, Calcium Silicate Block Insulation | 22.44 | 8.46 |
| | | *For Work In Restricted Working Space, Add* | *5.08* | |
| 23 07 16 00-0004 | SF | 2" Thick, Calcium Silicate Block Insulation | 26.93 | 9.76 |
| | | *For Work In Restricted Working Space, Add* | *5.87* | |
| 23 07 16 00-0005 | SF | 2-1/2" Thick, Calcium Silicate Block Insulation | 32.10 | 11.46 |
| | | *For Work In Restricted Working Space, Add* | *6.88* | |
| 23 07 16 00-0006 | SF | 3" Thick, Calcium Silicate Block Insulation | 39.22 | 14.11 |
| | | *For Work In Restricted Working Space, Add* | *8.46* | |
| **23 07 19** | | **HVAC Piping Insulation** *(23 07)* | | |
| | | See CSI section 22 07 19 00-0000 for pipe insulation. | | |
| 23 07 19 00-0001 | | **Calcium Silicate Pipe Insulation** *(23 07 19)* | | |
| | | Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0001 for protective jacketing. | | |
| 23 07 19 00-0002 | | **1" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)* | | |
| 23 07 19 00-0003 | LF | 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation | 13.11 | 3.78 |
| | | *For Work In Restricted Working Space, Add* | *2.83* | |
| 23 07 19 00-0004 | LF | 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation | 13.11 | 3.78 |
| | | *For Work In Restricted Working Space, Add* | *2.83* | |
| 23 07 19 00-0005 | LF | 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation | 13.09 | 3.83 |
| | | *For Work In Restricted Working Space, Add* | *2.87* | |
| 23 07 19 00-0006 | LF | 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation | 13.28 | 3.88 |
| | | *For Work In Restricted Working Space, Add* | *2.91* | |
| 23 07 19 00-0007 | LF | 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation | 13.45 | 3.94 |
| | | *For Work In Restricted Working Space, Add* | *2.95* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 07 19 00-0008 | LF | 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation | 14.27 | 4.05 |
| | | *For Work In Restricted Working Space, Add* | *3.03* | |
| 23 07 19 00-0009 | LF | 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation | 14.92 | 4.21 |
| | | *For Work In Restricted Working Space, Add* | *3.16* | |
| 23 07 19 00-0010 | LF | 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation | 15.52 | 4.32 |
| | | *For Work In Restricted Working Space, Add* | *3.24* | |
| 23 07 19 00-0011 | LF | 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation | 17.52 | 4.64 |
| | | *For Work In Restricted Working Space, Add* | *3.48* | |
| 23 07 19 00-0012 | LF | 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation | 19.57 | 5.24 |
| | | *For Work In Restricted Working Space, Add* | *3.93* | |
| **23 07 19 00-0013** | | **1-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)* | | |
| 23 07 19 00-0014 | LF | 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 13.71 | 3.93 |
| | | *For Work In Restricted Working Space, Add* | *2.95* | |
| 23 07 19 00-0015 | LF | 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 13.77 | 3.93 |
| | | *For Work In Restricted Working Space, Add* | *2.95* | |
| 23 07 19 00-0016 | LF | 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 14.72 | 4.17 |
| | | *For Work In Restricted Working Space, Add* | *3.12* | |
| 23 07 19 00-0017 | LF | 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 15.24 | 4.24 |
| | | *For Work In Restricted Working Space, Add* | *3.18* | |
| 23 07 19 00-0018 | LF | 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 15.78 | 4.32 |
| | | *For Work In Restricted Working Space, Add* | *3.24* | |
| 23 07 19 00-0019 | LF | 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 16.89 | 4.56 |
| | | *For Work In Restricted Working Space, Add* | *3.42* | |
| 23 07 19 00-0020 | LF | 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 17.58 | 4.64 |
| | | *For Work In Restricted Working Space, Add* | *3.48* | |
| 23 07 19 00-0021 | LF | 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 18.24 | 4.79 |
| | | *For Work In Restricted Working Space, Add* | *3.59* | |
| 23 07 19 00-0022 | LF | 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 20.22 | 5.19 |
| | | *For Work In Restricted Working Space, Add* | *3.89* | |
| 23 07 19 00-0023 | LF | 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 23.46 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| 23 07 19 00-0024 | LF | 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 27.03 | 6.38 |
| | | *For Work In Restricted Working Space, Add* | *4.79* | |
| 23 07 19 00-0025 | LF | 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 33.75 | 7.64 |
| | | *For Work In Restricted Working Space, Add* | *5.73* | |
| 23 07 19 00-0026 | LF | 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 39.62 | 8.90 |
| | | *For Work In Restricted Working Space, Add* | *6.68* | |
| 23 07 19 00-0027 | LF | 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 44.01 | 9.76 |
| | | *For Work In Restricted Working Space, Add* | *7.32* | |
| 23 07 19 00-0028 | LF | 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 53.01 | 12.42 |
| | | *For Work In Restricted Working Space, Add* | *9.31* | |
| 23 07 19 00-0029 | LF | 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation | 56.88 | 13.04 |
| | | *For Work In Restricted Working Space, Add* | *9.78* | |
| **23 07 19 00-0030** | | **2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)* | | |
| 23 07 19 00-0031 | LF | 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 16.93 | 4.32 |
| | | *For Work In Restricted Working Space, Add* | *3.24* | |
| 23 07 19 00-0032 | LF | 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 17.26 | 4.32 |
| | | *For Work In Restricted Working Space, Add* | *3.24* | |
| 23 07 19 00-0033 | LF | 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 17.75 | 4.37 |
| | | *For Work In Restricted Working Space, Add* | *3.28* | |
| 23 07 19 00-0034 | LF | 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 18.37 | 4.43 |
| | | *For Work In Restricted Working Space, Add* | *3.32* | |
| 23 07 19 00-0035 | LF | 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 18.83 | 4.48 |
| | | *For Work In Restricted Working Space, Add* | *3.36* | |
| 23 07 19 00-0036 | LF | 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 19.61 | 4.64 |
| | | *For Work In Restricted Working Space, Add* | *3.48* | |
| 23 07 19 00-0037 | LF | 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 21.64 | 4.81 |
| | | *For Work In Restricted Working Space, Add* | *3.61* | |
| 23 07 19 00-0038 | LF | 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 22.09 | 4.97 |
| | | *For Work In Restricted Working Space, Add* | *3.73* | |
| 23 07 19 00-0039 | LF | 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 24.29 | 5.25 |
| | | *For Work In Restricted Working Space, Add* | *3.94* | |
| 23 07 19 00-0040 | LF | 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 29.67 | 6.29 |
| | | *For Work In Restricted Working Space, Add* | *4.72* | |
| 23 07 19 00-0041 | LF | 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 33.19 | 6.65 |
| | | *For Work In Restricted Working Space, Add* | *4.98* | |
| 23 07 19 00-0042 | LF | 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 40.72 | 7.95 |
| | | *For Work In Restricted Working Space, Add* | *5.96* | |
| 23 07 19 00-0043 | LF | 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 46.95 | 9.53 |
| | | *For Work In Restricted Working Space, Add* | *7.14* | |
| 23 07 19 00-0044 | LF | 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 58.68 | 13.29 |
| | | *For Work In Restricted Working Space, Add* | *9.97* | |
| 23 07 19 00-0045 | LF | 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 61.28 | 13.29 |
| | | *For Work In Restricted Working Space, Add* | *9.97* | |
| 23 07 19 00-0046 | LF | 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 65.48 | 13.95 |
| | | *For Work In Restricted Working Space, Add* | *10.46* | |
| 23 07 19 00-0047 | LF | 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 77.57 | 15.95 |
| | | *For Work In Restricted Working Space, Add* | *11.96* | |
| 23 07 19 00-0048 | LF | 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation | 90.82 | 19.26 |
| | | *For Work In Restricted Working Space, Add* | *14.45* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| **23 07 19 00-0049** | | | **2-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)* | | |
| 23 07 19 00-0050 | | LF | 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 20.17 | 4.98 |
| | | | *For Work In Restricted Working Space, Add* | *3.74* | |
| 23 07 19 00-0051 | | LF | 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 20.52 | 4.98 |
| | | | *For Work In Restricted Working Space, Add* | *3.74* | |
| 23 07 19 00-0052 | | LF | 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 20.87 | 5.05 |
| | | | *For Work In Restricted Working Space, Add* | *3.80* | |
| 23 07 19 00-0053 | | LF | 1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 21.06 | 5.10 |
| | | | *For Work In Restricted Working Space, Add* | *3.83* | |
| 23 07 19 00-0054 | | LF | 1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 21.53 | 5.14 |
| | | | *For Work In Restricted Working Space, Add* | *3.85* | |
| 23 07 19 00-0055 | | LF | 2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 22.44 | 5.35 |
| | | | *For Work In Restricted Working Space, Add* | *4.01* | |
| 23 07 19 00-0056 | | LF | 2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 24.89 | 5.53 |
| | | | *For Work In Restricted Working Space, Add* | *4.15* | |
| 23 07 19 00-0057 | | LF | 3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 25.38 | 5.73 |
| | | | *For Work In Restricted Working Space, Add* | *4.30* | |
| 23 07 19 00-0058 | | LF | 4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 28.89 | 6.04 |
| | | | *For Work In Restricted Working Space, Add* | *4.53* | |
| 23 07 19 00-0059 | | LF | 6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 35.52 | 6.87 |
| | | | *For Work In Restricted Working Space, Add* | *5.15* | |
| 23 07 19 00-0060 | | LF | 8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 40.41 | 7.65 |
| | | | *For Work In Restricted Working Space, Add* | *5.74* | |
| 23 07 19 00-0061 | | LF | 10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 48.04 | 8.82 |
| | | | *For Work In Restricted Working Space, Add* | *6.62* | |
| 23 07 19 00-0062 | | LF | 12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 56.39 | 10.97 |
| | | | *For Work In Restricted Working Space, Add* | *8.23* | |
| 23 07 19 00-0063 | | LF | 14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 62.27 | 11.97 |
| | | | *For Work In Restricted Working Space, Add* | *8.98* | |
| 23 07 19 00-0064 | | LF | 16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 76.14 | 15.31 |
| | | | *For Work In Restricted Working Space, Add* | *11.48* | |
| 23 07 19 00-0065 | | LF | 18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 80.34 | 16.07 |
| | | | *For Work In Restricted Working Space, Add* | *12.05* | |
| 23 07 19 00-0066 | | LF | 20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 93.02 | 18.37 |
| | | | *For Work In Restricted Working Space, Add* | *13.78* | |
| 23 07 19 00-0067 | | LF | 24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation | 109.71 | 22.19 |
| | | | *For Work In Restricted Working Space, Add* | *16.64* | |
| **23 07 19 00-0068** | | | **3" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)* | | |
| 23 07 19 00-0069 | | LF | 1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 24.90 | 5.51 |
| | | | *For Work In Restricted Working Space, Add* | *4.13* | |
| 23 07 19 00-0070 | | LF | 3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 24.98 | 5.51 |
| | | | *For Work In Restricted Working Space, Add* | *4.13* | |
| 23 07 19 00-0071 | | LF | 1" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 25.21 | 5.57 |
| | | | *For Work In Restricted Working Space, Add* | *4.18* | |
| 23 07 19 00-0072 | | LF | 1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 25.46 | 5.61 |
| | | | *For Work In Restricted Working Space, Add* | *4.21* | |
| 23 07 19 00-0073 | | LF | 1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 25.70 | 5.67 |
| | | | *For Work In Restricted Working Space, Add* | *4.25* | |
| 23 07 19 00-0074 | | LF | 2" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 26.58 | 5.88 |
| | | | *For Work In Restricted Working Space, Add* | *4.41* | |
| 23 07 19 00-0075 | | LF | 2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 29.18 | 6.08 |
| | | | *For Work In Restricted Working Space, Add* | *4.56* | |
| 23 07 19 00-0076 | | LF | 3" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 29.84 | 6.29 |
| | | | *For Work In Restricted Working Space, Add* | *4.72* | |
| 23 07 19 00-0077 | | LF | 4" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 34.63 | 6.65 |
| | | | *For Work In Restricted Working Space, Add* | *4.99* | |
| 23 07 19 00-0078 | | LF | 6" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 40.84 | 7.55 |
| | | | *For Work In Restricted Working Space, Add* | *5.66* | |
| 23 07 19 00-0079 | | LF | 8" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 47.20 | 8.41 |
| | | | *For Work In Restricted Working Space, Add* | *6.31* | |
| 23 07 19 00-0080 | | LF | 10" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 55.86 | 9.71 |
| | | | *For Work In Restricted Working Space, Add* | *7.28* | |
| 23 07 19 00-0081 | | LF | 12" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 65.12 | 12.06 |
| | | | *For Work In Restricted Working Space, Add* | *9.05* | |
| 23 07 19 00-0082 | | LF | 14" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 72.12 | 13.17 |
| | | | *For Work In Restricted Working Space, Add* | *9.88* | |
| 23 07 19 00-0083 | | LF | 16" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 85.39 | 16.84 |
| | | | *For Work In Restricted Working Space, Add* | *12.62* | |
| 23 07 19 00-0084 | | LF | 18" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 91.74 | 17.67 |
| | | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 23 07 19 00-0085 | | LF | 20" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 107.09 | 20.21 |
| | | | *For Work In Restricted Working Space, Add* | *15.16* | |
| 23 07 19 00-0086 | | LF | 24" Diameter Pipe, 3" Thick Calcium Silicate Insulation | 127.02 | 24.41 |
| | | | *For Work In Restricted Working Space, Add* | *18.31* | |
| **23 07 19 00-0087** | | | **3-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)* | | |
| 23 07 19 00-0088 | | LF | 1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 31.04 | 6.04 |
| | | | *For Work In Restricted Working Space, Add* | *4.53* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 07 19 00-0089 | LF | 3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 32.05 | 6.04 |
| | | *For Work In Restricted Working Space, Add* | *4.53* | |
| 23 07 19 00-0090 | LF | 1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 32.15 | 6.08 |
| | | *For Work In Restricted Working Space, Add* | *4.56* | |
| 23 07 19 00-0091 | LF | 1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 32.26 | 6.12 |
| | | *For Work In Restricted Working Space, Add* | *4.59* | |
| 23 07 19 00-0092 | LF | 1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 33.19 | 6.19 |
| | | *For Work In Restricted Working Space, Add* | *4.65* | |
| 23 07 19 00-0093 | LF | 2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 35.09 | 6.40 |
| | | *For Work In Restricted Working Space, Add* | *4.80* | |
| 23 07 19 00-0094 | LF | 2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 37.88 | 6.63 |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 07 19 00-0095 | LF | 3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 39.23 | 6.87 |
| | | *For Work In Restricted Working Space, Add* | *5.15* | |
| 23 07 19 00-0096 | LF | 4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 44.29 | 7.25 |
| | | *For Work In Restricted Working Space, Add* | *5.44* | |
| 23 07 19 00-0097 | LF | 6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 49.52 | 8.24 |
| | | *For Work In Restricted Working Space, Add* | *6.18* | |
| 23 07 19 00-0098 | LF | 8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 59.71 | 9.17 |
| | | *For Work In Restricted Working Space, Add* | *6.88* | |
| 23 07 19 00-0099 | LF | 10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 72.16 | 10.59 |
| | | *For Work In Restricted Working Space, Add* | *7.94* | |
| 23 07 19 00-0100 | LF | 12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 87.61 | 13.16 |
| | | *For Work In Restricted Working Space, Add* | *9.87* | |
| 23 07 19 00-0101 | LF | 14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 92.64 | 14.37 |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 23 07 19 00-0102 | LF | 16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 109.14 | 18.37 |
| | | *For Work In Restricted Working Space, Add* | *13.77* | |
| 23 07 19 00-0103 | LF | 18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 124.11 | 19.28 |
| | | *For Work In Restricted Working Space, Add* | *14.46* | |
| 23 07 19 00-0104 | LF | 20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation | 134.81 | 22.05 |
| | | *For Work In Restricted Working Space, Add* | *16.54* | |

### 23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 07 19 00-0106 | LF | 1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 38.19 | 6.71 |
| | | *For Work In Restricted Working Space, Add* | *5.03* | |
| 23 07 19 00-0107 | LF | 3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 38.22 | 6.71 |
| | | *For Work In Restricted Working Space, Add* | *5.03* | |
| 23 07 19 00-0108 | LF | 1" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 38.51 | 6.83 |
| | | *For Work In Restricted Working Space, Add* | *5.12* | |
| 23 07 19 00-0109 | LF | 1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 39.50 | 6.90 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| 23 07 19 00-0110 | LF | 1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 41.70 | 7.12 |
| | | *For Work In Restricted Working Space, Add* | *5.34* | |
| 23 07 19 00-0111 | LF | 2" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 42.61 | 7.34 |
| | | *For Work In Restricted Working Space, Add* | *5.51* | |
| 23 07 19 00-0112 | LF | 2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 46.15 | 7.45 |
| | | *For Work In Restricted Working Space, Add* | *5.59* | |
| 23 07 19 00-0113 | LF | 3" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 47.52 | 7.72 |
| | | *For Work In Restricted Working Space, Add* | *5.80* | |
| 23 07 19 00-0114 | LF | 4" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 53.51 | 8.16 |
| | | *For Work In Restricted Working Space, Add* | *6.12* | |
| 23 07 19 00-0115 | LF | 6" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 61.78 | 9.25 |
| | | *For Work In Restricted Working Space, Add* | *6.94* | |
| 23 07 19 00-0116 | LF | 8" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 73.13 | 10.32 |
| | | *For Work In Restricted Working Space, Add* | *7.74* | |
| 23 07 19 00-0117 | LF | 10" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 84.23 | 11.92 |
| | | *For Work In Restricted Working Space, Add* | *8.94* | |
| 23 07 19 00-0118 | LF | 12" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 96.77 | 14.80 |
| | | *For Work In Restricted Working Space, Add* | *11.11* | |
| 23 07 19 00-0119 | LF | 14" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 103.21 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 23 07 19 00-0120 | LF | 16" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 123.28 | 20.68 |
| | | *For Work In Restricted Working Space, Add* | *15.51* | |
| 23 07 19 00-0121 | LF | 18" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 130.88 | 21.67 |
| | | *For Work In Restricted Working Space, Add* | *16.25* | |
| 23 07 19 00-0122 | LF | 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation | 145.41 | 24.80 |
| | | *For Work In Restricted Working Space, Add* | *18.60* | |

### 23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 07 19 00-0124 | SF | 1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET) | 5.99 | |
| | | *For Work In Restricted Working Space, Add* | *1.07* | |

## 23 08 Commissioning of HVAC *(23)*

See CSI section 01 91 13 00-0001 for commissioning, 23 05 93 00-0000 for testing and balancing.

## 23 09 Instrumentation and Control for HVAC *(23)*

### 23 09 23 Direct-Digital Control System for HVAC *(23 09)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 09 23 11** | | **Control Valves** *(23 09 23)* | | |
| 23 09 23 11-0001 | | Valves With Actuator *(23 09 23 11)* | | |
| 23 09 23 11-0002 | EA | 1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US) | 842.08 | 15.11 |
| 23 09 23 11-0003 | EA | 3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US) | 868.41 | 20.37 |
| 23 09 23 11-0004 | EA | 1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US) | 949.23 | 24.66 |
| 23 09 23 11-0005 | EA | 1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US) | 1,033.59 | 31.22 |
| 23 09 23 11-0006 | EA | 1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US) | 1,177.11 | 36.03 |
| 23 09 23 11-0007 | EA | 2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US) | 1,329.39 | 42.58 |
| 23 09 23 11-0008 | EA | 2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1) | 2,483.40 | 85.16 |
| 23 09 23 11-0009 | EA | 3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1) | 2,688.41 | 99.66 |
| 23 09 23 11-0010 | EA | 4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1) | 3,622.66 | 146.38 |
| 23 09 23 11-0011 | EA | 5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1) | 5,330.64 | 211.54 |
| 23 09 23 11-0012 | EA | 6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1) | 5,904.53 | 234.21 |
| 23 09 23 11-0013 | EA | 1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US) | 902.63 | 22.66 |
| 23 09 23 11-0014 | EA | 3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US) | 926.72 | 30.55 |
| 23 09 23 11-0015 | EA | 1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US) | 1,001.96 | 36.98 |
| 23 09 23 11-0016 | EA | 1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US) | 1,107.72 | 46.85 |
| 23 09 23 11-0017 | EA | 1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US) | 1,425.97 | 54.05 |
| 23 09 23 11-0018 | EA | 2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US) | 1,579.83 | 63.87 |
| 23 09 23 11-0019 | EA | 2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1) | 2,782.73 | 127.75 |
| 23 09 23 11-0020 | EA | 3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1) | 3,054.06 | 149.49 |
| 23 09 23 11-0021 | EA | 4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1) | 4,443.28 | 219.56 |
| 23 09 23 11-0022 | EA | 5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1) | 6,445.44 | 317.31 |
| 23 09 23 11-0023 | EA | 6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1) | 7,165.99 | 351.31 |
| 23 09 23 11-0024 | EA | 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC) | 140.29 | 15.11 |
| 23 09 23 11-0025 | EA | 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC) | 164.94 | 20.37 |
| 23 09 23 11-0026 | EA | 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC) | 208.01 | 24.66 |
| 23 09 23 11-0027 | EA | 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC) | 170.70 | 22.66 |
| 23 09 23 11-0028 | EA | 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC) | 198.63 | 30.55 |
| 23 09 23 11-0029 | EA | 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC) | 248.68 | 36.98 |
| 23 09 23 11-0030 | EA | 1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3) | 235.65 | 15.11 |
| 23 09 23 11-0031 | EA | 3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3) | 278.83 | 20.37 |
| 23 09 23 11-0032 | EA | 1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3) | 316.85 | 24.66 |
| 23 09 23 11-0033 | EA | 1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3) | 412.43 | 31.22 |
| 23 09 23 11-0034 | EA | 1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3) | 425.80 | 36.03 |
| 23 09 23 11-0035 | EA | 2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3) | 543.17 | 42.58 |
| 23 09 23 11-0036 | EA | 2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3) | 1,168.23 | 85.16 |
| 23 09 23 11-0037 | EA | 3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3) | 1,371.67 | 99.66 |
| 23 09 23 11-0038 | EA | 1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3) | 284.59 | 22.66 |
| 23 09 23 11-0039 | EA | 3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3) | 328.17 | 30.55 |
| 23 09 23 11-0040 | EA | 1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3) | 424.08 | 36.98 |
| 23 09 23 11-0041 | EA | 1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3) | 602.95 | 46.85 |
| 23 09 23 11-0042 | EA | 1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3) | 634.60 | 54.05 |
| 23 09 23 11-0043 | EA | 2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3) | 842.74 | 63.87 |
| 23 09 23 11-0044 | EA | 2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1) | 682.39 | 78.07 |
| 23 09 23 11-0045 | EA | 2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1) | 715.83 | 85.16 |
| 23 09 23 11-0046 | EA | 3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1) | 943.82 | 99.66 |
| 23 09 23 11-0047 | EA | 4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1) | 1,437.71 | 167.29 |
| 23 09 23 11-0048 | EA | 5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24) | 2,922.62 | 211.54 |
| 23 09 23 11-0049 | EA | 6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24) | 3,080.95 | 234.21 |
| 23 09 23 11-0050 | EA | 8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24) | 4,202.49 | 267.67 |
| 23 09 23 11-0051 | EA | 10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24) | 5,156.20 | 327.89 |
| 23 09 23 11-0052 | EA | 12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24) | 6,374.12 | 397.44 |
| 23 09 23 11-0053 | EA | 14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24) | 7,076.97 | 468.40 |
| 23 09 23 11-0054 | EA | 16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110) | 9,383.11 | 515.25 |
| 23 09 23 11-0055 | EA | 18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110) | 11,384.07 | 572.40 |
| 23 09 23 11-0056 | EA | 2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1) | 1,267.20 | 117.10 |
| 23 09 23 11-0057 | EA | 2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1) | 1,495.10 | 127.75 |
| 23 09 23 11-0058 | EA | 3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1) | 1,847.65 | 149.49 |
| 23 09 23 11-0059 | EA | 4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1) | 2,356.46 | 250.93 |
| 23 09 23 11-0060 | EA | 5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24) | 4,872.50 | 317.31 |
| 23 09 23 11-0061 | EA | 6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24) | 5,039.38 | 351.31 |
| 23 09 23 11-0062 | EA | 8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24) | 6,362.49 | 401.54 |
| 23 09 23 11-0063 | EA | 10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24) | 8,431.34 | 491.83 |
| 23 09 23 11-0064 | EA | 12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24) | 10,248.64 | 596.16 |
| 23 09 23 11-0065 | EA | 14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110) | 16,047.46 | 702.62 |
| 23 09 23 11-0066 | EA | 16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110) | 17,896.28 | 772.87 |
| 23 09 23 11-0067 | EA | 18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110) | 27,622.86 | 858.60 |
| 23 09 23 11-0068 | EA | 8" 2-Way, Class 300, Stainless Disc, Steel Body, RPTFE Seat, Butterfly Valve With Actuator (Belimo F6200HD-300SHP+SY4-120MFT)<br>Note: 0% Leakage up to 600 psi, NEMA 4X Industrial Control Valve Actuator, 120VAC, 3,560 in-lb, Programmable Control Input and Feedback Signal, <30 Second Run Time, 2 x SPDT 10A @ 250 VAC Auxiliary Switches | 8,379.28 | 267.67 |
| 23 09 23 11-0069 | EA | 12" 2-Way, Class 300, Stainless Disc, Steel Body, RPTFE Seat, Butterfly Valve With Actuator (Belimo F6300-300SHP+SY7-120MFT)<br>Note: 0% Leakage up to 600 psi, NEMA 4X Industrial Control Valve Actuator, 120VAC, 8,900 in-lb, Programmable Control Input and Feedback Signal, 75 Second Run Time, 2 x SPDT 10A @ 250 VAC Auxiliary Switches | 15,009.37 | 397.44 |
| 23 09 23 11-0070 | EA | 14" 2-Way, Class 300, Stainless Disc, Steel Body, RPTFE Seat, Butterfly Valve With Actuator (Belimo F6350-300SHP+SY7-120MFT) | 21,951.08 | 468.40 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 11-0071 | | Valve Actuators *(23 09 23 11)* | | |
| 23 09 23 11-0072 | EA | 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T) | 464.45 | 96.75 |
| 23 09 23 11-0073 | EA | 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3) | 471.93 | 96.75 |
| 23 09 23 11-0074 | EA | 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T) | 588.96 | 96.75 |
| 23 09 23 11-0075 | EA | 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S) | 534.04 | 96.75 |
| 23 09 23 11-0076 | EA | 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR) | 544.95 | 96.75 |
| 23 09 23 11-0077 | EA | 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT) | 616.61 | 96.75 |
| 23 09 23 11-0078 | EA | 24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1) | 753.18 | 96.75 |
| 23 09 23 11-0079 | EA | 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95) | 769.94 | 96.75 |
| 23 09 23 11-0080 | EA | 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT) | 810.33 | 96.75 |
| 23 09 23 11-0081 | EA | 120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3) | 571.85 | 96.75 |
| 23 09 23 11-0082 | EA | 120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR) | 656.60 | 96.75 |
| 23 09 23 11-0083 | EA | 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T) | 581.11 | 96.75 |
| 23 09 23 11-0084 | EA | 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3) | 592.05 | 96.75 |
| 23 09 23 11-0085 | EA | 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14) | 596.14 | 96.75 |
| 23 09 23 11-0086 | EA | 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S) | 670.51 | 96.75 |
| 23 09 23 11-0087 | EA | 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T) | 702.58 | 96.75 |
| 23 09 23 11-0088 | EA | 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR) | 719.63 | 96.75 |
| 23 09 23 11-0089 | EA | 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT) | 716.24 | 96.75 |
| 23 09 23 11-0090 | EA | 24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC) | 727.15 | 96.75 |
| 23 09 23 11-0091 | EA | 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95) | 726.46 | 96.75 |
| 23 09 23 11-0092 | EA | 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4) | 797.23 | 96.75 |
| 23 09 23 11-0093 | EA | 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4) | 976.22 | 96.75 |
| 23 09 23 11-0094 | EA | 100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3) | 633.65 | 96.75 |
| 23 09 23 11-0095 | EA | 100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR) | 764.69 | 96.75 |
| 23 09 23 11-0096 | EA | 24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24) | 1,792.33 | 96.75 |
| 23 09 23 11-0097 | EA | 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24) | 2,016.14 | 96.75 |
| 23 09 23 11-0098 | EA | 24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24) | 2,430.34 | 96.75 |
| 23 09 23 11-0099 | EA | 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24) | 2,759.92 | 96.75 |
| 23 09 23 11-0100 | EA | 120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110) | 3,276.48 | 96.75 |
| 23 09 23 11-0101 | EA | 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110) | 3,868.79 | 96.75 |
| 23 09 23 11-0102 | EA | 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110) | 5,230.80 | 96.75 |
| 23 09 23 11-0103 | EA | 120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110) | 6,396.96 | 96.75 |
| **23 09 23 12** | | **Control Dampers** *(23 09 23)* | | |
| 23 09 23 12-0001 | | Rectangular Volume Control Dampers (Ruskin) *(23 09 23 12)*<br>Note: Excludes actuators. | | |
| 23 09 23 12-0002 | | Rectangular Volume Control Dampers (Ruskin CD36) *(23 09 23 12-0001)* | | |
| 23 09 23 12-0003 | EA | 8" x 8" Volume Control Damper (Ruskin CD36) | 182.64 | 47.86 |
| 23 09 23 12-0004 | EA | 8" x 12" Volume Control Damper (Ruskin CD36) | 195.05 | 47.86 |
| 23 09 23 12-0005 | EA | 8" x 16" Volume Control Damper (Ruskin CD36) | 210.06 | 47.86 |
| 23 09 23 12-0006 | EA | 8" x 20" Volume Control Damper (Ruskin CD36) | 276.63 | 63.81 |
| 23 09 23 12-0007 | EA | 8" x 24" Volume Control Damper (Ruskin CD36) | 298.88 | 63.81 |
| 23 09 23 12-0008 | EA | 8" x 28" Volume Control Damper (Ruskin CD36) | 311.29 | 63.81 |
| 23 09 23 12-0009 | EA | 8" x 32" Volume Control Damper (Ruskin CD36) | 343.89 | 63.81 |
| 23 09 23 12-0010 | EA | 8" x 36" Volume Control Damper (Ruskin CD36) | 407.88 | 79.76 |
| 23 09 23 12-0011 | EA | 12" x 8" Volume Control Damper (Ruskin CD36) | 195.05 | 47.86 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 12-0012 | EA | 12" x 12" Volume Control Damper (Ruskin CD36) | 202.30 | 47.86 |
| 23 09 23 12-0013 | EA | 12" x 16" Volume Control Damper (Ruskin CD36) | 249.20 | 63.81 |
| 23 09 23 12-0014 | EA | 12" x 20" Volume Control Damper (Ruskin CD36) | 283.87 | 63.81 |
| 23 09 23 12-0015 | EA | 12" x 24" Volume Control Damper (Ruskin CD36) | 338.55 | 79.76 |
| 23 09 23 12-0016 | EA | 12" x 28" Volume Control Damper (Ruskin CD36) | 350.96 | 79.76 |
| 23 09 23 12-0017 | EA | 12" x 32" Volume Control Damper (Ruskin CD36) | 383.04 | 79.76 |
| 23 09 23 12-0018 | EA | 12" x 36" Volume Control Damper (Ruskin CD36) | 447.02 | 95.71 |
| 23 09 23 12-0019 | EA | 16" x 8" Volume Control Damper (Ruskin CD36) | 210.06 | 47.86 |
| 23 09 23 12-0020 | EA | 16" x 12" Volume Control Damper (Ruskin CD36) | 259.03 | 63.81 |
| 23 09 23 12-0021 | EA | 16" x 16" Volume Control Damper (Ruskin CD36) | 267.31 | 63.81 |
| 23 09 23 12-0022 | EA | 16" x 20" Volume Control Damper (Ruskin CD36) | 323.54 | 79.76 |
| 23 09 23 12-0023 | EA | 16" x 24" Volume Control Damper (Ruskin CD36) | 348.38 | 79.76 |
| 23 09 23 12-0024 | EA | 16" x 28" Volume Control Damper (Ruskin CD36) | 397.35 | 95.71 |
| 23 09 23 12-0025 | EA | 16" x 32" Volume Control Damper (Ruskin CD36) | 424.78 | 95.71 |
| 23 09 23 12-0026 | EA | 16" x 36" Volume Control Damper (Ruskin CD36) | 454.79 | 95.71 |
| 23 09 23 12-0027 | EA | 20" x 8" Volume Control Damper (Ruskin CD36) | 276.63 | 63.81 |
| 23 09 23 12-0028 | EA | 20" x 12" Volume Control Damper (Ruskin CD36) | 244.55 | 63.81 |
| 23 09 23 12-0029 | EA | 20" x 16" Volume Control Damper (Ruskin CD36) | 298.71 | 79.76 |
| 23 09 23 12-0030 | EA | 20" x 20" Volume Control Damper (Ruskin CD36) | 330.79 | 79.76 |
| 23 09 23 12-0031 | EA | 20" x 24" Volume Control Damper (Ruskin CD36) | 382.86 | 95.71 |
| 23 09 23 12-0032 | EA | 20" x 28" Volume Control Damper (Ruskin CD36) | 412.36 | 95.71 |
| 23 09 23 12-0033 | EA | 20" x 32" Volume Control Damper (Ruskin CD36) | 469.62 | 111.66 |
| 23 09 23 12-0034 | EA | 20" x 36" Volume Control Damper (Ruskin CD36) | 496.53 | 111.66 |
| 23 09 23 12-0035 | EA | 24" x 8" Volume Control Damper (Ruskin CD36) | 244.55 | 63.81 |
| 23 09 23 12-0036 | EA | 24" x 12" Volume Control Damper (Ruskin CD36) | 283.70 | 79.76 |
| 23 09 23 12-0037 | EA | 24" x 16" Volume Control Damper (Ruskin CD36) | 305.95 | 79.76 |
| 23 09 23 12-0038 | EA | 24" x 20" Volume Control Damper (Ruskin CD36) | 372.52 | 95.71 |
| 23 09 23 12-0039 | EA | 24" x 24" Volume Control Damper (Ruskin CD36) | 395.28 | 95.71 |
| 23 09 23 12-0040 | EA | 24" x 28" Volume Control Damper (Ruskin CD36) | 454.10 | 111.66 |
| 23 09 23 12-0041 | EA | 24" x 32" Volume Control Damper (Ruskin CD36) | 486.70 | 111.66 |
| 23 09 23 12-0042 | EA | 24" x 36" Volume Control Damper (Ruskin CD36) | 511.53 | 111.66 |
| 23 09 23 12-0043 | EA | 28" x 8" Volume Control Damper (Ruskin CD36) | 249.20 | 63.81 |
| 23 09 23 12-0044 | EA | 28" x 12" Volume Control Damper (Ruskin CD36) | 288.87 | 79.76 |
| 23 09 23 12-0045 | EA | 28" x 16" Volume Control Damper (Ruskin CD36) | 340.44 | 95.71 |
| 23 09 23 12-0046 | EA | 28" x 20" Volume Control Damper (Ruskin CD36) | 380.28 | 95.71 |
| 23 09 23 12-0047 | EA | 28" x 24" Volume Control Damper (Ruskin CD36) | 431.85 | 111.66 |
| 23 09 23 12-0048 | EA | 28" x 28" Volume Control Damper (Ruskin CD36) | 461.86 | 111.66 |
| 23 09 23 12-0049 | EA | 28" x 32" Volume Control Damper (Ruskin CD36) | 489.28 | 111.66 |
| 23 09 23 12-0050 | EA | 28" x 36" Volume Control Damper (Ruskin CD36) | 526.54 | 111.66 |
| 23 09 23 12-0051 | EA | 32" x 8" Volume Control Damper (Ruskin CD36) | 251.79 | 63.81 |
| 23 09 23 12-0052 | EA | 32" x 12" Volume Control Damper (Ruskin CD36) | 290.94 | 79.76 |
| 23 09 23 12-0053 | EA | 32" x 16" Volume Control Damper (Ruskin CD36) | 347.68 | 95.71 |
| 23 09 23 12-0054 | EA | 32" x 20" Volume Control Damper (Ruskin CD36) | 414.77 | 111.66 |
| 23 09 23 12-0055 | EA | 32" x 24" Volume Control Damper (Ruskin CD36) | 444.27 | 111.66 |
| 23 09 23 12-0056 | EA | 32" x 28" Volume Control Damper (Ruskin CD36) | 471.69 | 111.66 |
| 23 09 23 12-0057 | EA | 32" x 32" Volume Control Damper (Ruskin CD36) | 501.70 | 111.66 |
| 23 09 23 12-0058 | EA | 32" x 36" Volume Control Damper (Ruskin CD36) | 568.26 | 127.61 |
| 23 09 23 12-0059 | EA | 36" x 8" Volume Control Damper (Ruskin CD36) | 293.53 | 79.76 |
| 23 09 23 12-0060 | EA | 36" x 12" Volume Control Damper (Ruskin CD36) | 333.19 | 95.71 |
| 23 09 23 12-0061 | EA | 36" x 16" Volume Control Damper (Ruskin CD36) | 355.44 | 95.71 |
| 23 09 23 12-0062 | EA | 36" x 20" Volume Control Damper (Ruskin CD36) | 422.02 | 111.66 |
| 23 09 23 12-0063 | EA | 36" x 24" Volume Control Damper (Ruskin CD36) | 454.10 | 111.66 |
| 23 09 23 12-0064 | EA | 36" x 28" Volume Control Damper (Ruskin CD36) | 486.70 | 111.66 |
| 23 09 23 12-0065 | EA | 36" x 32" Volume Control Damper (Ruskin CD36) | 543.42 | 127.61 |
| 23 09 23 12-0066 | EA | 36" x 36" Volume Control Damper (Ruskin CD36) | 578.09 | 127.61 |
| 23 09 23 12-0067 | EA | 36" x 40" Volume Control Damper (Ruskin CD36) | 608.10 | 127.61 |
| 23 09 23 12-0068 | EA | 36" x 44" Volume Control Damper (Ruskin CD36) | 640.18 | 127.61 |
| 23 09 23 12-0069 | EA | 36" x 48" Volume Control Damper (Ruskin CD36) | 667.60 | 127.61 |
| 23 09 23 12-0070 | EA | 36" x 52" Volume Control Damper (Ruskin CD36) | 699.68 | 127.61 |
| 23 09 23 12-0071 | EA | 36" x 56" Volume Control Damper (Ruskin CD36) | 732.28 | 127.61 |
| 23 09 23 12-0072 | EA | 36" x 60" Volume Control Damper (Ruskin CD36) | 759.19 | 127.61 |
| 23 09 23 12-0073 | EA | 36" x 64" Volume Control Damper (Ruskin CD36) | 796.44 | 127.61 |
| 23 09 23 12-0074 | EA | 36" x 68" Volume Control Damper (Ruskin CD36) | 858.36 | 143.56 |
| 23 09 23 12-0075 | EA | 36" x 72" Volume Control Damper (Ruskin CD36) | 913.21 | 143.56 |
| 23 09 23 12-0076 | EA | 36" x 76" Volume Control Damper (Ruskin CD36) | 1,080.85 | 143.56 |
| 23 09 23 12-0077 | EA | 36" x 80" Volume Control Damper (Ruskin CD36) | 1,080.85 | 143.56 |
| 23 09 23 12-0078 | EA | 36" x 84" Volume Control Damper (Ruskin CD36) | 1,153.29 | 143.56 |
| 23 09 23 12-0079 | EA | 40" x 40" Volume Control Damper (Ruskin CD36) | 620.52 | 127.61 |
| 23 09 23 12-0080 | EA | 40" x 44" Volume Control Damper (Ruskin CD36) | 652.60 | 127.61 |
| 23 09 23 12-0081 | EA | 40" x 48" Volume Control Damper (Ruskin CD36) | 684.68 | 127.61 |
| 23 09 23 12-0082 | EA | 40" x 52" Volume Control Damper (Ruskin CD36) | 719.86 | 127.61 |
| 23 09 23 12-0083 | EA | 40" x 56" Volume Control Damper (Ruskin CD36) | 749.36 | 127.61 |
| 23 09 23 12-0084 | EA | 40" x 60" Volume Control Damper (Ruskin CD36) | 808.69 | 143.56 |
| 23 09 23 12-0085 | EA | 40" x 64" Volume Control Damper (Ruskin CD36) | 845.94 | 143.56 |
| 23 09 23 12-0086 | EA | 40" x 68" Volume Control Damper (Ruskin CD36) | 880.61 | 143.56 |
| 23 09 23 12-0087 | EA | 40" x 72" Volume Control Damper (Ruskin CD36) | 932.87 | 143.56 |
| 23 09 23 12-0088 | EA | 40" x 76" Volume Control Damper (Ruskin CD36) | 1,108.79 | 143.56 |
| 23 09 23 12-0089 | EA | 40" x 80" Volume Control Damper (Ruskin CD36) | 1,108.79 | 143.56 |
| 23 09 23 12-0090 | EA | 40" x 84" Volume Control Damper (Ruskin CD36) | 1,181.23 | 143.56 |
| 23 09 23 12-0091 | EA | 44" x 40" Volume Control Damper (Ruskin CD36) | 635.01 | 127.61 |
| 23 09 23 12-0092 | EA | 44" x 44" Volume Control Damper (Ruskin CD36) | 667.60 | 127.61 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 12-0093 | EA | 44" x 48" Volume Control Damper (Ruskin CD36) | 699.68 | 127.61 |
| 23 09 23 12-0094 | EA | 44" x 52" Volume Control Damper (Ruskin CD36) | 734.35 | 127.61 |
| 23 09 23 12-0095 | EA | 44" x 56" Volume Control Damper (Ruskin CD36) | 796.27 | 143.56 |
| 23 09 23 12-0096 | EA | 44" x 60" Volume Control Damper (Ruskin CD36) | 830.94 | 143.56 |
| 23 09 23 12-0097 | EA | 44" x 64" Volume Control Damper (Ruskin CD36) | 863.53 | 143.56 |
| 23 09 23 12-0098 | EA | 44" x 68" Volume Control Damper (Ruskin CD36) | 902.86 | 143.56 |
| 23 09 23 12-0099 | EA | 44" x 72" Volume Control Damper (Ruskin CD36) | 955.12 | 143.56 |
| 23 09 23 12-0100 | EA | 44" x 76" Volume Control Damper (Ruskin CD36) | 1,141.91 | 143.56 |
| 23 09 23 12-0101 | EA | 44" x 80" Volume Control Damper (Ruskin CD36) | 1,141.91 | 143.56 |
| 23 09 23 12-0102 | EA | 44" x 84" Volume Control Damper (Ruskin CD36) | 1,246.76 | 159.52 |
| 23 09 23 12-0103 | EA | 40" x 40" Volume Control Damper (Ruskin CD36) | 620.52 | 127.61 |
| 23 09 23 12-0104 | EA | 40" x 44" Volume Control Damper (Ruskin CD36) | 652.60 | 127.61 |
| 23 09 23 12-0105 | EA | 40" x 48" Volume Control Damper (Ruskin CD36) | 684.68 | 127.61 |
| 23 09 23 12-0106 | EA | 40" x 52" Volume Control Damper (Ruskin CD36) | 719.86 | 127.61 |
| 23 09 23 12-0107 | EA | 40" x 56" Volume Control Damper (Ruskin CD36) | 749.36 | 127.61 |
| 23 09 23 12-0108 | EA | 40" x 60" Volume Control Damper (Ruskin CD36) | 808.69 | 143.56 |
| 23 09 23 12-0109 | EA | 40" x 64" Volume Control Damper (Ruskin CD36) | 845.94 | 143.56 |
| 23 09 23 12-0110 | EA | 40" x 68" Volume Control Damper (Ruskin CD36) | 880.61 | 143.56 |
| 23 09 23 12-0111 | EA | 40" x 72" Volume Control Damper (Ruskin CD36) | 932.87 | 143.56 |
| 23 09 23 12-0112 | EA | 40" x 76" Volume Control Damper (Ruskin CD36) | 1,108.79 | 143.56 |
| 23 09 23 12-0113 | EA | 40" x 80" Volume Control Damper (Ruskin CD36) | 1,108.79 | 143.56 |
| 23 09 23 12-0114 | EA | 40" x 84" Volume Control Damper (Ruskin CD36) | 1,181.23 | 143.56 |
| 23 09 23 12-0115 | EA | 44" x 40" Volume Control Damper (Ruskin CD36) | 635.01 | 127.61 |
| 23 09 23 12-0116 | EA | 44" x 44" Volume Control Damper (Ruskin CD36) | 667.60 | 127.61 |
| 23 09 23 12-0117 | EA | 44" x 48" Volume Control Damper (Ruskin CD36) | 699.68 | 127.61 |
| 23 09 23 12-0118 | EA | 44" x 52" Volume Control Damper (Ruskin CD36) | 734.35 | 127.61 |
| 23 09 23 12-0119 | EA | 44" x 56" Volume Control Damper (Ruskin CD36) | 796.27 | 143.56 |
| 23 09 23 12-0120 | EA | 44" x 60" Volume Control Damper (Ruskin CD36) | 830.94 | 143.56 |
| 23 09 23 12-0121 | EA | 44" x 64" Volume Control Damper (Ruskin CD36) | 863.53 | 143.56 |
| 23 09 23 12-0122 | EA | 44" x 68" Volume Control Damper (Ruskin CD36) | 902.86 | 143.56 |
| 23 09 23 12-0123 | EA | 44" x 72" Volume Control Damper (Ruskin CD36) | 955.12 | 143.56 |
| 23 09 23 12-0124 | EA | 44" x 76" Volume Control Damper (Ruskin CD36) | 1,141.91 | 143.56 |
| 23 09 23 12-0125 | EA | 44" x 80" Volume Control Damper (Ruskin CD36) | 1,141.91 | 143.56 |
| 23 09 23 12-0126 | EA | 44" x 84" Volume Control Damper (Ruskin CD36) | 1,246.76 | 159.52 |
| 23 09 23 12-0127 | EA | 48" x 40" Volume Control Damper (Ruskin CD36) | 650.01 | 127.61 |
| 23 09 23 12-0128 | EA | 48" x 44" Volume Control Damper (Ruskin CD36) | 682.61 | 127.61 |
| 23 09 23 12-0129 | EA | 48" x 48" Volume Control Damper (Ruskin CD36) | 717.28 | 127.61 |
| 23 09 23 12-0130 | EA | 48" x 52" Volume Control Damper (Ruskin CD36) | 783.85 | 143.56 |
| 23 09 23 12-0131 | EA | 48" x 56" Volume Control Damper (Ruskin CD36) | 815.93 | 143.56 |
| 23 09 23 12-0132 | EA | 48" x 60" Volume Control Damper (Ruskin CD36) | 845.94 | 143.56 |
| 23 09 23 12-0133 | EA | 48" x 64" Volume Control Damper (Ruskin CD36) | 883.20 | 143.56 |
| 23 09 23 12-0134 | EA | 48" x 68" Volume Control Damper (Ruskin CD36) | 920.45 | 143.56 |
| 23 09 23 12-0135 | EA | 48" x 72" Volume Control Damper (Ruskin CD36) | 979.95 | 143.56 |
| 23 09 23 12-0136 | EA | 48" x 76" Volume Control Damper (Ruskin CD36) | 1,207.44 | 159.52 |
| 23 09 23 12-0137 | EA | 48" x 80" Volume Control Damper (Ruskin CD36) | 1,207.44 | 159.52 |
| 23 09 23 12-0138 | EA | 48" x 84" Volume Control Damper (Ruskin CD36) | 1,280.39 | 159.52 |
| 23 09 23 12-0139 | EA | 52" x 40" Volume Control Damper (Ruskin CD36) | 1,000.30 | 127.61 |
| 23 09 23 12-0140 | EA | 52" x 44" Volume Control Damper (Ruskin CD36) | 1,049.98 | 127.61 |
| 23 09 23 12-0141 | EA | 52" x 48" Volume Control Damper (Ruskin CD36) | 1,158.98 | 143.56 |
| 23 09 23 12-0142 | EA | 52" x 52" Volume Control Damper (Ruskin CD36) | 1,228.32 | 143.56 |
| 23 09 23 12-0143 | EA | 52" x 56" Volume Control Damper (Ruskin CD36) | 1,277.99 | 143.56 |
| 23 09 23 12-0144 | EA | 52" x 60" Volume Control Damper (Ruskin CD36) | 1,335.42 | 143.56 |
| 23 09 23 12-0145 | EA | 52" x 64" Volume Control Damper (Ruskin CD36) | 1,409.93 | 143.56 |
| 23 09 23 12-0146 | EA | 52" x 68" Volume Control Damper (Ruskin CD36) | 1,489.09 | 143.56 |
| 23 09 23 12-0147 | EA | 52" x 72" Volume Control Damper (Ruskin CD36) | 1,615.68 | 159.52 |
| 23 09 23 12-0148 | EA | 52" x 76" Volume Control Damper (Ruskin CD36) | 1,794.19 | 159.52 |
| 23 09 23 12-0149 | EA | 52" x 80" Volume Control Damper (Ruskin CD36) | 1,794.71 | 159.52 |
| 23 09 23 12-0150 | EA | 52" x 84" Volume Control Damper (Ruskin CD36) | 1,905.95 | 159.52 |
| 23 09 23 12-0151 | EA | 56" x 40" Volume Control Damper (Ruskin CD36) | 1,010.13 | 127.61 |
| 23 09 23 12-0152 | EA | 56" x 44" Volume Control Damper (Ruskin CD36) | 1,099.48 | 143.56 |
| 23 09 23 12-0153 | EA | 56" x 48" Volume Control Damper (Ruskin CD36) | 1,173.99 | 143.56 |
| 23 09 23 12-0154 | EA | 56" x 52" Volume Control Damper (Ruskin CD36) | 1,236.08 | 143.56 |
| 23 09 23 12-0155 | EA | 56" x 56" Volume Control Damper (Ruskin CD36) | 1,292.99 | 143.56 |
| 23 09 23 12-0156 | EA | 56" x 60" Volume Control Damper (Ruskin CD36) | 1,357.67 | 143.56 |
| 23 09 23 12-0157 | EA | 56" x 64" Volume Control Damper (Ruskin CD36) | 1,429.59 | 143.56 |
| 23 09 23 12-0158 | EA | 56" x 68" Volume Control Damper (Ruskin CD36) | 1,551.00 | 159.52 |
| 23 09 23 12-0159 | EA | 56" x 72" Volume Control Damper (Ruskin CD36) | 1,650.35 | 159.52 |
| 23 09 23 12-0160 | EA | 56" x 76" Volume Control Damper (Ruskin CD36) | 1,794.19 | 159.52 |
| 23 09 23 12-0161 | EA | 56" x 80" Volume Control Damper (Ruskin CD36) | 1,794.19 | 159.52 |
| 23 09 23 12-0162 | EA | 56" x 84" Volume Control Damper (Ruskin CD36) | 1,905.95 | 159.52 |
| 23 09 23 12-0163 | EA | 60" x 40" Volume Control Damper (Ruskin CD36) | 1,057.05 | 143.56 |
| 23 09 23 12-0164 | EA | 60" x 44" Volume Control Damper (Ruskin CD36) | 1,121.73 | 143.56 |
| 23 09 23 12-0165 | EA | 60" x 48" Volume Control Damper (Ruskin CD36) | 1,193.65 | 143.56 |
| 23 09 23 12-0166 | EA | 60" x 52" Volume Control Damper (Ruskin CD36) | 1,258.33 | 143.56 |
| 23 09 23 12-0167 | EA | 60" x 56" Volume Control Damper (Ruskin CD36) | 1,327.66 | 143.56 |
| 23 09 23 12-0168 | EA | 60" x 60" Volume Control Damper (Ruskin CD36) | 1,379.92 | 143.56 |
| 23 09 23 12-0169 | EA | 60" x 64" Volume Control Damper (Ruskin CD36) | 1,483.74 | 159.52 |
| 23 09 23 12-0170 | EA | 60" x 68" Volume Control Damper (Ruskin CD36) | 1,570.67 | 159.52 |
| 23 09 23 12-0171 | EA | 60" x 72" Volume Control Damper (Ruskin CD36) | 1,685.02 | 159.52 |
| 23 09 23 12-0172 | EA | 60" x 76" Volume Control Damper (Ruskin CD36) | 1,850.07 | 159.52 |
| 23 09 23 12-0173 | EA | 60" x 80" Volume Control Damper (Ruskin CD36) | 1,850.07 | 159.52 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 12-0174 | EA | 60" x 84" Volume Control Damper (Ruskin CD36) | 1,995.47 | 159.52 |
| 23 09 23 12-0175 | EA | 64" x 40" Volume Control Damper (Ruskin CD36) | 1,072.05 | 143.56 |
| 23 09 23 12-0176 | EA | 64" x 44" Volume Control Damper (Ruskin CD36) | 1,143.98 | 143.56 |
| 23 09 23 12-0177 | EA | 64" x 48" Volume Control Damper (Ruskin CD36) | 1,213.31 | 143.56 |
| 23 09 23 12-0178 | EA | 64" x 52" Volume Control Damper (Ruskin CD36) | 1,275.40 | 143.56 |
| 23 09 23 12-0179 | EA | 64" x 56" Volume Control Damper (Ruskin CD36) | 1,345.25 | 143.56 |
| 23 09 23 12-0180 | EA | 64" x 60" Volume Control Damper (Ruskin CD36) | 1,434.07 | 159.52 |
| 23 09 23 12-0181 | EA | 64" x 64" Volume Control Damper (Ruskin CD36) | 1,503.92 | 159.52 |
| 23 09 23 12-0182 | EA | 64" x 68" Volume Control Damper (Ruskin CD36) | 1,588.26 | 159.52 |
| 23 09 23 12-0183 | EA | 64" x 72" Volume Control Damper (Ruskin CD36) | 1,719.68 | 159.52 |
| 23 09 23 12-0184 | EA | 64" x 76" Volume Control Damper (Ruskin CD36) | 1,850.07 | 159.52 |
| 23 09 23 12-0185 | EA | 64" x 80" Volume Control Damper (Ruskin CD36) | 1,850.07 | 159.52 |
| 23 09 23 12-0186 | EA | 64" x 84" Volume Control Damper (Ruskin CD36) | 2,027.38 | 175.47 |
| 23 09 23 12-0187 | EA | 66" x 40" Volume Control Damper (Ruskin CD36) | 1,084.47 | 143.56 |
| 23 09 23 12-0188 | EA | 66" x 44" Volume Control Damper (Ruskin CD36) | 1,158.98 | 143.56 |
| 23 09 23 12-0189 | EA | 66" x 48" Volume Control Damper (Ruskin CD36) | 1,225.73 | 143.56 |
| 23 09 23 12-0190 | EA | 66" x 52" Volume Control Damper (Ruskin CD36) | 1,292.99 | 143.56 |
| 23 09 23 12-0191 | EA | 66" x 56" Volume Control Damper (Ruskin CD36) | 1,396.81 | 159.52 |
| 23 09 23 12-0192 | EA | 66" x 60" Volume Control Damper (Ruskin CD36) | 1,456.32 | 159.52 |
| 23 09 23 12-0193 | EA | 66" x 64" Volume Control Damper (Ruskin CD36) | 1,533.41 | 159.52 |
| 23 09 23 12-0194 | EA | 66" x 68" Volume Control Damper (Ruskin CD36) | 1,610.51 | 159.52 |
| 23 09 23 12-0195 | EA | 66" x 72" Volume Control Damper (Ruskin CD36) | 1,739.86 | 159.52 |
| 23 09 23 12-0196 | EA | 66" x 76" Volume Control Damper (Ruskin CD36) | 1,905.95 | 159.52 |
| 23 09 23 12-0197 | EA | 66" x 80" Volume Control Damper (Ruskin CD36) | 1,937.86 | 175.47 |
| 23 09 23 12-0198 | EA | 66" x 84" Volume Control Damper (Ruskin CD36) | 2,083.26 | 175.47 |
| 23 09 23 12-0199 | EA | 72" x 40" Volume Control Damper (Ruskin CD36) | 1,098.96 | 143.56 |
| 23 09 23 12-0200 | EA | 72" x 44" Volume Control Damper (Ruskin CD36) | 1,173.99 | 143.56 |
| 23 09 23 12-0201 | EA | 72" x 48" Volume Control Damper (Ruskin CD36) | 1,236.08 | 143.56 |
| 23 09 23 12-0202 | EA | 72" x 52" Volume Control Damper (Ruskin CD36) | 1,342.48 | 159.52 |
| 23 09 23 12-0203 | EA | 72" x 56" Volume Control Damper (Ruskin CD36) | 1,416.99 | 159.52 |
| 23 09 23 12-0204 | EA | 72" x 60" Volume Control Damper (Ruskin CD36) | 1,479.08 | 159.52 |
| 23 09 23 12-0205 | EA | 72" x 64" Volume Control Damper (Ruskin CD36) | 1,566.01 | 159.52 |
| 23 09 23 12-0206 | EA | 72" x 68" Volume Control Damper (Ruskin CD36) | 1,632.76 | 159.52 |
| 23 09 23 12-0207 | EA | 72" x 72" Volume Control Damper (Ruskin CD36) | 1,759.52 | 159.52 |
| 23 09 23 12-0208 | EA | 72" x 76" Volume Control Damper (Ruskin CD36) | 1,937.86 | 175.47 |
| 23 09 23 12-0209 | EA | 72" x 80" Volume Control Damper (Ruskin CD36) | 1,937.86 | 175.47 |
| 23 09 23 12-0210 | EA | 72" x 84" Volume Control Damper (Ruskin CD36) | 2,083.26 | 175.47 |
| 23 09 23 12-0211 | EA | 76" x 40" Volume Control Damper (Ruskin CD36) | 1,113.97 | 143.56 |
| 23 09 23 12-0212 | EA | 76" x 44" Volume Control Damper (Ruskin CD36) | 1,186.40 | 143.56 |
| 23 09 23 12-0213 | EA | 76" x 48" Volume Control Damper (Ruskin CD36) | 1,287.64 | 159.52 |
| 23 09 23 12-0214 | EA | 76" x 52" Volume Control Damper (Ruskin CD36) | 1,362.15 | 159.52 |
| 23 09 23 12-0215 | EA | 76" x 56" Volume Control Damper (Ruskin CD36) | 1,436.65 | 159.52 |
| 23 09 23 12-0216 | EA | 76" x 60" Volume Control Damper (Ruskin CD36) | 1,498.75 | 159.52 |
| 23 09 23 12-0217 | EA | 76" x 64" Volume Control Damper (Ruskin CD36) | 1,585.67 | 159.52 |
| 23 09 23 12-0218 | EA | 76" x 68" Volume Control Damper (Ruskin CD36) | 1,670.01 | 159.52 |
| 23 09 23 12-0219 | EA | 76" x 72" Volume Control Damper (Ruskin CD36) | 1,813.68 | 175.47 |
| 23 09 23 12-0220 | EA | 76" x 76" Volume Control Damper (Ruskin CD36) | 1,993.75 | 175.47 |
| 23 09 23 12-0221 | EA | 76" x 80" Volume Control Damper (Ruskin CD36) | 1,993.75 | 175.47 |
| 23 09 23 12-0222 | EA | 76" x 84" Volume Control Damper (Ruskin CD36) | 2,139.14 | 175.47 |
| 23 09 23 12-0223 | EA | 80" x 40" Volume Control Damper (Ruskin CD36) | 1,128.97 | 143.56 |
| 23 09 23 12-0224 | EA | 80" x 44" Volume Control Damper (Ruskin CD36) | 1,200.89 | 143.56 |
| 23 09 23 12-0225 | EA | 80" x 48" Volume Control Damper (Ruskin CD36) | 1,307.30 | 159.52 |
| 23 09 23 12-0226 | EA | 80" x 52" Volume Control Damper (Ruskin CD36) | 1,389.57 | 159.52 |
| 23 09 23 12-0227 | EA | 80" x 56" Volume Control Damper (Ruskin CD36) | 1,456.32 | 159.52 |
| 23 09 23 12-0228 | EA | 80" x 60" Volume Control Damper (Ruskin CD36) | 1,518.41 | 159.52 |
| 23 09 23 12-0229 | EA | 80" x 64" Volume Control Damper (Ruskin CD36) | 1,605.33 | 159.52 |
| 23 09 23 12-0230 | EA | 80" x 68" Volume Control Damper (Ruskin CD36) | 1,716.93 | 175.47 |
| 23 09 23 12-0231 | EA | 80" x 72" Volume Control Damper (Ruskin CD36) | 1,835.93 | 175.47 |
| 23 09 23 12-0232 | EA | 80" x 76" Volume Control Damper (Ruskin CD36) | 1,993.75 | 175.47 |
| 23 09 23 12-0233 | EA | 80" x 80" Volume Control Damper (Ruskin CD36) | 1,993.75 | 175.47 |
| 23 09 23 12-0234 | EA | 80" x 84" Volume Control Damper (Ruskin CD36) | 2,139.14 | 175.47 |
| 23 09 23 12-0235 | EA | 84" x 40" Volume Control Damper (Ruskin CD36) | 1,138.80 | 143.56 |
| 23 09 23 12-0236 | EA | 84" x 44" Volume Control Damper (Ruskin CD36) | 1,245.21 | 159.52 |
| 23 09 23 12-0237 | EA | 84" x 48" Volume Control Damper (Ruskin CD36) | 1,327.48 | 159.52 |
| 23 09 23 12-0238 | EA | 84" x 52" Volume Control Damper (Ruskin CD36) | 1,416.99 | 159.52 |
| 23 09 23 12-0239 | EA | 84" x 56" Volume Control Damper (Ruskin CD36) | 1,471.32 | 159.52 |
| 23 09 23 12-0240 | EA | 84" x 60" Volume Control Damper (Ruskin CD36) | 1,538.59 | 159.52 |
| 23 09 23 12-0241 | EA | 84" x 64" Volume Control Damper (Ruskin CD36) | 1,657.42 | 175.47 |
| 23 09 23 12-0242 | EA | 84" x 68" Volume Control Damper (Ruskin CD36) | 1,744.35 | 175.47 |
| 23 09 23 12-0243 | EA | 84" x 72" Volume Control Damper (Ruskin CD36) | 1,858.70 | 175.47 |
| 23 09 23 12-0244 | EA | 84" x 76" Volume Control Damper (Ruskin CD36) | 2,061.01 | 175.47 |
| 23 09 23 12-0245 | EA | 84" x 80" Volume Control Damper (Ruskin CD36) | 2,061.01 | 175.47 |
| 23 09 23 12-0246 | EA | 84" x 84" Volume Control Damper (Ruskin CD36) | 2,206.40 | 175.47 |
| 23 09 23 12-0247 | | Low Leakage Rectangular Volume Control Dampers (Ruskin CD50) *(23 09 23 12-0001)* | | |
| 23 09 23 12-0248 | EA | 8" x 8" Low Leakage Volume Control Damper (Ruskin CD50) | 305.83 | 47.86 |
| 23 09 23 12-0249 | EA | 8" x 12" Low Leakage Volume Control Damper (Ruskin CD50) | 380.14 | 47.86 |
| 23 09 23 12-0250 | EA | 8" x 16" Low Leakage Volume Control Damper (Ruskin CD50) | 431.39 | 47.86 |
| 23 09 23 12-0251 | EA | 8" x 20" Low Leakage Volume Control Damper (Ruskin CD50) | 470.98 | 63.81 |
| 23 09 23 12-0252 | EA | 8" x 24" Low Leakage Volume Control Damper (Ruskin CD50) | 524.79 | 63.81 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 12-0253 | EA | 8" x 28" Low Leakage Volume Control Damper (Ruskin CD50) | 573.48 | 63.81 |
| 23 09 23 12-0254 | EA | 8" x 32" Low Leakage Volume Control Damper (Ruskin CD50) | 581.16 | 63.81 |
| 23 09 23 12-0255 | EA | 8" x 36" Low Leakage Volume Control Damper (Ruskin CD50) | 664.32 | 79.76 |
| 23 09 23 12-0256 | EA | 12" x 8" Low Leakage Volume Control Damper (Ruskin CD50) | 305.83 | 47.86 |
| 23 09 23 12-0257 | EA | 12" x 12" Low Leakage Volume Control Damper (Ruskin CD50) | 380.14 | 47.86 |
| 23 09 23 12-0258 | EA | 12" x 16" Low Leakage Volume Control Damper (Ruskin CD50) | 463.29 | 63.81 |
| 23 09 23 12-0259 | EA | 12" x 20" Low Leakage Volume Control Damper (Ruskin CD50) | 470.98 | 63.81 |
| 23 09 23 12-0260 | EA | 12" x 24" Low Leakage Volume Control Damper (Ruskin CD50) | 556.70 | 79.76 |
| 23 09 23 12-0261 | EA | 12" x 28" Low Leakage Volume Control Damper (Ruskin CD50) | 605.39 | 79.76 |
| 23 09 23 12-0262 | EA | 12" x 32" Low Leakage Volume Control Damper (Ruskin CD50) | 613.07 | 79.76 |
| 23 09 23 12-0263 | EA | 12" x 36" Low Leakage Volume Control Damper (Ruskin CD50) | 696.22 | 95.71 |
| 23 09 23 12-0264 | EA | 16" x 8" Low Leakage Volume Control Damper (Ruskin CD50) | 316.08 | 47.86 |
| 23 09 23 12-0265 | EA | 16" x 12" Low Leakage Volume Control Damper (Ruskin CD50) | 429.98 | 63.81 |
| 23 09 23 12-0266 | EA | 16" x 16" Low Leakage Volume Control Damper (Ruskin CD50) | 488.92 | 63.81 |
| 23 09 23 12-0267 | EA | 16" x 20" Low Leakage Volume Control Damper (Ruskin CD50) | 525.95 | 79.76 |
| 23 09 23 12-0268 | EA | 16" x 24" Low Leakage Volume Control Damper (Ruskin CD50) | 584.89 | 79.76 |
| 23 09 23 12-0269 | EA | 16" x 28" Low Leakage Volume Control Damper (Ruskin CD50) | 668.04 | 95.71 |
| 23 09 23 12-0270 | EA | 16" x 32" Low Leakage Volume Control Damper (Ruskin CD50) | 675.72 | 95.71 |
| 23 09 23 12-0271 | EA | 16" x 36" Low Leakage Volume Control Damper (Ruskin CD50) | 739.79 | 95.71 |
| 23 09 23 12-0272 | EA | 20" x 8" Low Leakage Volume Control Damper (Ruskin CD50) | 368.48 | 63.81 |
| 23 09 23 12-0273 | EA | 20" x 12" Low Leakage Volume Control Damper (Ruskin CD50) | 463.29 | 63.81 |
| 23 09 23 12-0274 | EA | 20" x 16" Low Leakage Volume Control Damper (Ruskin CD50) | 556.70 | 79.76 |
| 23 09 23 12-0275 | EA | 20" x 20" Low Leakage Volume Control Damper (Ruskin CD50) | 564.39 | 79.76 |
| 23 09 23 12-0276 | EA | 20" x 24" Low Leakage Volume Control Damper (Ruskin CD50) | 647.54 | 95.71 |
| 23 09 23 12-0277 | EA | 20" x 28" Low Leakage Volume Control Damper (Ruskin CD50) | 714.16 | 95.71 |
| 23 09 23 12-0278 | EA | 20" x 32" Low Leakage Volume Control Damper (Ruskin CD50) | 764.01 | 111.66 |
| 23 09 23 12-0279 | EA | 20" x 36" Low Leakage Volume Control Damper (Ruskin CD50) | 815.26 | 111.66 |
| 23 09 23 12-0280 | EA | 24" x 8" Low Leakage Volume Control Damper (Ruskin CD50) | 388.98 | 63.81 |
| 23 09 23 12-0281 | EA | 24" x 12" Low Leakage Volume Control Damper (Ruskin CD50) | 515.70 | 79.76 |
| 23 09 23 12-0282 | EA | 24" x 16" Low Leakage Volume Control Damper (Ruskin CD50) | 577.20 | 79.76 |
| 23 09 23 12-0283 | EA | 24" x 20" Low Leakage Volume Control Damper (Ruskin CD50) | 619.35 | 95.71 |
| 23 09 23 12-0284 | EA | 24" x 24" Low Leakage Volume Control Damper (Ruskin CD50) | 688.54 | 95.71 |
| 23 09 23 12-0285 | EA | 24" x 28" Low Leakage Volume Control Damper (Ruskin CD50) | 784.51 | 111.66 |
| 23 09 23 12-0286 | EA | 24" x 32" Low Leakage Volume Control Damper (Ruskin CD50) | 797.32 | 111.66 |
| 23 09 23 12-0287 | EA | 24" x 36" Low Leakage Volume Control Damper (Ruskin CD50) | 861.38 | 111.66 |
| 23 09 23 12-0288 | EA | 28" x 8" Low Leakage Volume Control Damper (Ruskin CD50) | 399.23 | 63.81 |
| 23 09 23 12-0289 | EA | 28" x 12" Low Leakage Volume Control Damper (Ruskin CD50) | 533.64 | 79.76 |
| 23 09 23 12-0290 | EA | 28" x 16" Low Leakage Volume Control Damper (Ruskin CD50) | 632.16 | 95.71 |
| 23 09 23 12-0291 | EA | 28" x 20" Low Leakage Volume Control Damper (Ruskin CD50) | 644.97 | 95.71 |
| 23 09 23 12-0292 | EA | 28" x 24" Low Leakage Volume Control Damper (Ruskin CD50) | 751.20 | 111.66 |
| 23 09 23 12-0293 | EA | 28" x 28" Low Leakage Volume Control Damper (Ruskin CD50) | 817.82 | 111.66 |
| 23 09 23 12-0294 | EA | 28" x 32" Low Leakage Volume Control Damper (Ruskin CD50) | 822.94 | 111.66 |
| 23 09 23 12-0295 | EA | 28" x 36" Low Leakage Volume Control Damper (Ruskin CD50) | 904.94 | 111.66 |
| 23 09 23 12-0296 | EA | 32" x 8" Low Leakage Volume Control Damper (Ruskin CD50) | 422.29 | 63.81 |
| 23 09 23 12-0297 | EA | 32" x 12" Low Leakage Volume Control Damper (Ruskin CD50) | 561.83 | 79.76 |
| 23 09 23 12-0298 | EA | 32" x 16" Low Leakage Volume Control Damper (Ruskin CD50) | 675.72 | 95.71 |
| 23 09 23 12-0299 | EA | 32" x 20" Low Leakage Volume Control Damper (Ruskin CD50) | 715.32 | 111.66 |
| 23 09 23 12-0300 | EA | 32" x 24" Low Leakage Volume Control Damper (Ruskin CD50) | 797.32 | 111.66 |
| 23 09 23 12-0301 | EA | 32" x 28" Low Leakage Volume Control Damper (Ruskin CD50) | 858.82 | 111.66 |
| 23 09 23 12-0302 | EA | 32" x 32" Low Leakage Volume Control Damper (Ruskin CD50) | 874.19 | 111.66 |
| 23 09 23 12-0303 | EA | 32" x 36" Low Leakage Volume Control Damper (Ruskin CD50) | 980.40 | 127.61 |
| 23 09 23 12-0304 | EA | 36" x 8" Low Leakage Volume Control Damper (Ruskin CD50) | 477.26 | 79.76 |
| 23 09 23 12-0305 | EA | 36" x 12" Low Leakage Volume Control Damper (Ruskin CD50) | 616.79 | 95.71 |
| 23 09 23 12-0306 | EA | 36" x 16" Low Leakage Volume Control Damper (Ruskin CD50) | 696.22 | 95.71 |
| 23 09 23 12-0307 | EA | 36" x 20" Low Leakage Volume Control Damper (Ruskin CD50) | 735.82 | 111.66 |
| 23 09 23 12-0308 | EA | 36" x 24" Low Leakage Volume Control Damper (Ruskin CD50) | 822.94 | 111.66 |
| 23 09 23 12-0309 | EA | 36" x 28" Low Leakage Volume Control Damper (Ruskin CD50) | 907.51 | 111.66 |
| 23 09 23 12-0310 | EA | 36" x 32" Low Leakage Volume Control Damper (Ruskin CD50) | 944.52 | 127.61 |
| 23 09 23 12-0311 | EA | 36" x 36" Low Leakage Volume Control Damper (Ruskin CD50) | 1,029.08 | 127.61 |
| 23 09 23 12-0312 | EA | 36" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 1,103.39 | 127.61 |
| 23 09 23 12-0313 | EA | 36" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 1,121.33 | 127.61 |
| 23 09 23 12-0314 | EA | 36" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 1,208.45 | 127.61 |
| 23 09 23 12-0315 | EA | 36" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 1,287.89 | 127.61 |
| 23 09 23 12-0316 | EA | 36" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 1,305.83 | 127.61 |
| 23 09 23 12-0317 | EA | 36" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 1,380.14 | 127.61 |
| 23 09 23 12-0318 | EA | 36" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 1,457.01 | 127.61 |
| 23 09 23 12-0319 | EA | 36" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 1,504.30 | 143.56 |
| 23 09 23 12-0320 | EA | 36" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 1,583.73 | 143.56 |
| 23 09 23 12-0321 | EA | 36" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 2,153.24 | 143.56 |
| 23 09 23 12-0322 | EA | 36" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 2,153.24 | 143.56 |
| 23 09 23 12-0323 | EA | 36" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 2,192.32 | 143.56 |
| 23 09 23 12-0324 | EA | 40" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 1,157.20 | 127.61 |
| 23 09 23 12-0325 | EA | 40" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 1,172.58 | 127.61 |
| 23 09 23 12-0326 | EA | 40" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 1,257.14 | 127.61 |
| 23 09 23 12-0327 | EA | 40" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 1,349.39 | 127.61 |
| 23 09 23 12-0328 | EA | 40" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 1,357.08 | 127.61 |
| 23 09 23 12-0329 | EA | 40" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 1,473.55 | 143.56 |
| 23 09 23 12-0330 | EA | 40" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 1,560.67 | 143.56 |
| 23 09 23 12-0331 | EA | 40" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 1,583.73 | 143.56 |
| 23 09 23 12-0332 | EA | 40" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 1,670.86 | 143.56 |
| 23 09 23 12-0333 | EA | 40" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 2,271.75 | 143.56 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 12-0334 | EA | 40" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 2,271.75 | 143.56 |
| 23 09 23 12-0335 | EA | 40" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 2,305.06 | 143.56 |
| 23 09 23 12-0336 | EA | 44" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 1,200.77 | 127.61 |
| 23 09 23 12-0337 | EA | 44" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 1,223.83 | 127.61 |
| 23 09 23 12-0338 | EA | 44" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 1,310.95 | 127.61 |
| 23 09 23 12-0339 | EA | 44" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 1,413.45 | 127.61 |
| 23 09 23 12-0340 | EA | 44" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 1,453.05 | 143.56 |
| 23 09 23 12-0341 | EA | 44" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 1,540.17 | 143.56 |
| 23 09 23 12-0342 | EA | 44" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 1,637.54 | 143.56 |
| 23 09 23 12-0343 | EA | 44" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 1,660.61 | 143.56 |
| 23 09 23 12-0344 | EA | 44" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 1,745.17 | 143.56 |
| 23 09 23 12-0345 | EA | 44" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 2,367.20 | 143.56 |
| 23 09 23 12-0346 | EA | 44" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 2,367.20 | 143.56 |
| 23 09 23 12-0347 | EA | 44" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 2,449.71 | 159.52 |
| 23 09 23 12-0348 | EA | 40" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 1,157.20 | 127.61 |
| 23 09 23 12-0349 | EA | 40" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 1,172.58 | 127.61 |
| 23 09 23 12-0350 | EA | 40" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 1,257.14 | 127.61 |
| 23 09 23 12-0351 | EA | 40" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 1,349.39 | 127.61 |
| 23 09 23 12-0352 | EA | 40" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 1,357.08 | 127.61 |
| 23 09 23 12-0353 | EA | 40" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 1,473.55 | 143.56 |
| 23 09 23 12-0354 | EA | 40" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 1,560.67 | 143.56 |
| 23 09 23 12-0355 | EA | 40" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 1,583.73 | 143.56 |
| 23 09 23 12-0356 | EA | 40" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 1,670.86 | 143.56 |
| 23 09 23 12-0357 | EA | 40" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 2,271.75 | 143.56 |
| 23 09 23 12-0358 | EA | 40" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 2,271.75 | 143.56 |
| 23 09 23 12-0359 | EA | 40" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 2,305.06 | 143.56 |
| 23 09 23 12-0360 | EA | 44" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 1,200.77 | 127.61 |
| 23 09 23 12-0361 | EA | 44" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 1,223.83 | 127.61 |
| 23 09 23 12-0362 | EA | 44" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 1,257.14 | 127.61 |
| 23 09 23 12-0363 | EA | 44" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 1,349.39 | 127.61 |
| 23 09 23 12-0364 | EA | 44" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 1,453.05 | 143.56 |
| 23 09 23 12-0365 | EA | 44" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 1,540.17 | 143.56 |
| 23 09 23 12-0366 | EA | 44" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 1,637.54 | 143.56 |
| 23 09 23 12-0367 | EA | 44" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 1,660.61 | 143.56 |
| 23 09 23 12-0368 | EA | 44" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 1,745.17 | 143.56 |
| 23 09 23 12-0369 | EA | 44" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 2,367.20 | 143.56 |
| 23 09 23 12-0370 | EA | 44" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 2,367.20 | 143.56 |
| 23 09 23 12-0371 | EA | 44" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 2,449.71 | 159.52 |
| 23 09 23 12-0372 | EA | 48" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 1,249.45 | 127.61 |
| 23 09 23 12-0373 | EA | 48" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 1,269.95 | 127.61 |
| 23 09 23 12-0374 | EA | 48" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 1,369.89 | 127.61 |
| 23 09 23 12-0375 | EA | 48" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 1,504.30 | 143.56 |
| 23 09 23 12-0376 | EA | 48" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 1,524.80 | 143.56 |
| 23 09 23 12-0377 | EA | 48" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 1,609.36 | 143.56 |
| 23 09 23 12-0378 | EA | 48" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 1,706.73 | 143.56 |
| 23 09 23 12-0379 | EA | 48" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 1,724.67 | 143.56 |
| 23 09 23 12-0380 | EA | 48" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 1,819.48 | 143.56 |
| 23 09 23 12-0381 | EA | 48" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 2,506.09 | 159.52 |
| 23 09 23 12-0382 | EA | 48" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 2,506.09 | 159.52 |
| 23 09 23 12-0383 | EA | 48" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 2,551.57 | 159.52 |
| 23 09 23 12-0384 | EA | 52" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 1,403.20 | 127.61 |
| 23 09 23 12-0385 | EA | 52" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 1,423.70 | 127.61 |
| 23 09 23 12-0386 | EA | 52" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 1,565.80 | 143.56 |
| 23 09 23 12-0387 | EA | 52" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 1,688.79 | 143.56 |
| 23 09 23 12-0388 | EA | 52" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 1,709.29 | 143.56 |
| 23 09 23 12-0389 | EA | 52" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 1,806.67 | 143.56 |
| 23 09 23 12-0390 | EA | 52" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 1,911.73 | 143.56 |
| 23 09 23 12-0391 | EA | 52" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 1,952.73 | 143.56 |
| 23 09 23 12-0392 | EA | 52" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 2,115.31 | 159.52 |
| 23 09 23 12-0393 | EA | 52" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 3,588.72 | 159.52 |
| 23 09 23 12-0394 | EA | 52" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 3,588.72 | 159.52 |
| 23 09 23 12-0395 | EA | 52" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 3,723.89 | 159.52 |
| 23 09 23 12-0396 | EA | 56" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 1,457.01 | 127.61 |
| 23 09 23 12-0397 | EA | 56" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 1,514.55 | 143.56 |
| 23 09 23 12-0398 | EA | 56" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 1,624.73 | 143.56 |
| 23 09 23 12-0399 | EA | 56" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 1,765.67 | 143.56 |
| 23 09 23 12-0400 | EA | 56" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 1,788.73 | 143.56 |
| 23 09 23 12-0401 | EA | 56" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 1,893.79 | 143.56 |
| 23 09 23 12-0402 | EA | 56" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 2,003.98 | 143.56 |
| 23 09 23 12-0403 | EA | 56" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 2,074.31 | 159.52 |
| 23 09 23 12-0404 | EA | 56" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 2,181.94 | 159.52 |
| 23 09 23 12-0405 | EA | 56" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 3,588.72 | 159.52 |
| 23 09 23 12-0406 | EA | 56" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 3,588.72 | 159.52 |
| 23 09 23 12-0407 | EA | 56" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 3,723.89 | 159.52 |
| 23 09 23 12-0408 | EA | 60" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 1,545.30 | 143.56 |
| 23 09 23 12-0409 | EA | 60" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 1,565.80 | 143.56 |
| 23 09 23 12-0410 | EA | 60" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 1,696.48 | 143.56 |
| 23 09 23 12-0411 | EA | 60" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 1,827.17 | 143.56 |
| 23 09 23 12-0412 | EA | 60" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 1,852.79 | 143.56 |
| 23 09 23 12-0413 | EA | 60" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 1,962.98 | 143.56 |
| 23 09 23 12-0414 | EA | 60" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 2,115.31 | 159.52 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 12-0415 | EA | 60" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 2,140.94 | 159.52 |
| 23 09 23 12-0416 | EA | 60" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 2,271.62 | 159.52 |
| 23 09 23 12-0417 | EA | 60" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 3,870.59 | 159.52 |
| 23 09 23 12-0418 | EA | 60" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 3,870.59 | 159.52 |
| 23 09 23 12-0419 | EA | 60" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 3,915.44 | 159.52 |
| 23 09 23 12-0420 | EA | 64" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 2,065.47 | 143.56 |
| 23 09 23 12-0421 | EA | 64" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 2,088.54 | 143.56 |
| 23 09 23 12-0422 | EA | 64" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 2,296.10 | 143.56 |
| 23 09 23 12-0423 | EA | 64" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 2,429.34 | 143.56 |
| 23 09 23 12-0424 | EA | 64" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 2,475.47 | 143.56 |
| 23 09 23 12-0425 | EA | 64" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 2,655.99 | 159.52 |
| 23 09 23 12-0426 | EA | 64" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 2,819.99 | 159.52 |
| 23 09 23 12-0427 | EA | 64" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 2,860.99 | 159.52 |
| 23 09 23 12-0428 | EA | 64" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 2,996.80 | 159.52 |
| 23 09 23 12-0429 | EA | 64" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 3,870.59 | 159.52 |
| 23 09 23 12-0430 | EA | 64" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 3,870.59 | 159.52 |
| 23 09 23 12-0431 | EA | 64" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 3,947.35 | 175.47 |
| 23 09 23 12-0432 | EA | 66" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 2,114.16 | 143.56 |
| 23 09 23 12-0433 | EA | 66" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 2,139.79 | 143.56 |
| 23 09 23 12-0434 | EA | 66" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 2,337.09 | 143.56 |
| 23 09 23 12-0435 | EA | 66" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 2,495.97 | 143.56 |
| 23 09 23 12-0436 | EA | 66" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 2,566.30 | 159.52 |
| 23 09 23 12-0437 | EA | 66" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 2,722.61 | 159.52 |
| 23 09 23 12-0438 | EA | 66" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 2,891.74 | 159.52 |
| 23 09 23 12-0439 | EA | 66" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 2,930.17 | 159.52 |
| 23 09 23 12-0440 | EA | 66" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 3,101.86 | 159.52 |
| 23 09 23 12-0441 | EA | 66" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 4,051.25 | 159.52 |
| 23 09 23 12-0442 | EA | 66" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 4,083.16 | 175.47 |
| 23 09 23 12-0443 | EA | 66" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 4,161.95 | 175.47 |
| 23 09 23 12-0444 | EA | 72" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 2,157.72 | 143.56 |
| 23 09 23 12-0445 | EA | 72" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 2,191.03 | 143.56 |
| 23 09 23 12-0446 | EA | 72" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 2,383.22 | 143.56 |
| 23 09 23 12-0447 | EA | 72" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 2,591.93 | 159.52 |
| 23 09 23 12-0448 | EA | 72" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 2,627.80 | 159.52 |
| 23 09 23 12-0449 | EA | 72" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 2,791.80 | 159.52 |
| 23 09 23 12-0450 | EA | 72" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 2,963.48 | 159.52 |
| 23 09 23 12-0451 | EA | 72" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 2,996.80 | 159.52 |
| 23 09 23 12-0452 | EA | 72" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 3,176.17 | 159.52 |
| 23 09 23 12-0453 | EA | 72" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 4,083.16 | 175.47 |
| 23 09 23 12-0454 | EA | 72" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 4,083.16 | 175.47 |
| 23 09 23 12-0455 | EA | 72" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 4,161.95 | 175.47 |
| 23 09 23 12-0456 | EA | 76" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 2,211.53 | 143.56 |
| 23 09 23 12-0457 | EA | 76" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 2,247.41 | 143.56 |
| 23 09 23 12-0458 | EA | 76" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 2,471.49 | 159.52 |
| 23 09 23 12-0459 | EA | 76" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 2,658.55 | 159.52 |
| 23 09 23 12-0460 | EA | 76" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 2,681.61 | 159.52 |
| 23 09 23 12-0461 | EA | 76" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 2,860.99 | 159.52 |
| 23 09 23 12-0462 | EA | 76" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 3,042.92 | 159.52 |
| 23 09 23 12-0463 | EA | 76" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 3,086.48 | 159.52 |
| 23 09 23 12-0464 | EA | 76" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 3,300.33 | 175.47 |
| 23 09 23 12-0465 | EA | 76" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 4,319.54 | 175.47 |
| 23 09 23 12-0466 | EA | 76" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 4,319.54 | 175.47 |
| 23 09 23 12-0467 | EA | 76" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 4,387.45 | 175.47 |
| 23 09 23 12-0468 | EA | 80" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 2,270.47 | 143.56 |
| 23 09 23 12-0469 | EA | 80" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 2,303.78 | 143.56 |
| 23 09 23 12-0470 | EA | 80" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 2,525.30 | 159.52 |
| 23 09 23 12-0471 | EA | 80" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 2,722.61 | 159.52 |
| 23 09 23 12-0472 | EA | 80" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 2,740.55 | 159.52 |
| 23 09 23 12-0473 | EA | 80" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 2,930.17 | 159.52 |
| 23 09 23 12-0474 | EA | 80" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 3,122.36 | 159.52 |
| 23 09 23 12-0475 | EA | 80" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 3,208.08 | 175.47 |
| 23 09 23 12-0476 | EA | 80" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 3,395.14 | 175.47 |
| 23 09 23 12-0477 | EA | 80" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 4,319.54 | 175.47 |
| 23 09 23 12-0478 | EA | 80" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 4,319.54 | 175.47 |
| 23 09 23 12-0479 | EA | 80" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 4,387.45 | 175.47 |
| 23 09 23 12-0480 | EA | 84" x 40" Low Leakage Volume Control Damper (Ruskin CD50) | 2,319.16 | 143.56 |
| 23 09 23 12-0481 | EA | 84" x 44" Low Leakage Volume Control Damper (Ruskin CD50) | 2,374.12 | 159.52 |
| 23 09 23 12-0482 | EA | 84" x 48" Low Leakage Volume Control Damper (Ruskin CD50) | 2,568.87 | 159.52 |
| 23 09 23 12-0483 | EA | 84" x 52" Low Leakage Volume Control Damper (Ruskin CD50) | 2,789.24 | 159.52 |
| 23 09 23 12-0484 | EA | 84" x 56" Low Leakage Volume Control Damper (Ruskin CD50) | 2,799.49 | 159.52 |
| 23 09 23 12-0485 | EA | 84" x 60" Low Leakage Volume Control Damper (Ruskin CD50) | 2,978.86 | 159.52 |
| 23 09 23 12-0486 | EA | 84" x 64" Low Leakage Volume Control Damper (Ruskin CD50) | 3,215.77 | 175.47 |
| 23 09 23 12-0487 | EA | 84" x 68" Low Leakage Volume Control Damper (Ruskin CD50) | 3,272.14 | 175.47 |
| 23 09 23 12-0488 | EA | 84" x 72" Low Leakage Volume Control Damper (Ruskin CD50) | 3,461.76 | 175.47 |
| 23 09 23 12-0489 | EA | 84" x 76" Low Leakage Volume Control Damper (Ruskin CD50) | 4,511.09 | 175.47 |
| 23 09 23 12-0490 | EA | 84" x 80" Low Leakage Volume Control Damper (Ruskin CD50) | 4,511.09 | 175.47 |
| 23 09 23 12-0491 | EA | 84" x 84" Low Leakage Volume Control Damper (Ruskin CD50) | 4,612.94 | 175.47 |

23 09 23 12-0492 Rectangular Volume Control Dampers (TAMCO) *(23 09 23 12)*
Note: Excludes actuators.

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 12-0493 | | Air-Foil Control Damper (TAMCO Series 1000) *(23 09 23 12-0492)* | | |
| 23 09 23 12-0494 | EA | 12" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 238.34 | 47.86 |
| 23 09 23 12-0495 | EA | 12" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 286.78 | 63.81 |
| 23 09 23 12-0496 | EA | 12" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 303.33 | 63.81 |
| 23 09 23 12-0497 | EA | 12" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 370.37 | 79.76 |
| 23 09 23 12-0498 | EA | 12" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 380.44 | 79.76 |
| 23 09 23 12-0499 | EA | 12" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 390.50 | 79.76 |
| 23 09 23 12-0500 | EA | 12" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 438.90 | 95.71 |
| 23 09 23 12-0501 | EA | 16" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 272.25 | 63.81 |
| 23 09 23 12-0502 | EA | 16" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 274.26 | 63.81 |
| 23 09 23 12-0503 | EA | 16" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 342.83 | 79.76 |
| 23 09 23 12-0504 | EA | 16" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 379.49 | 79.76 |
| 23 09 23 12-0505 | EA | 16" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 425.80 | 95.71 |
| 23 09 23 12-0506 | EA | 16" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 459.27 | 95.71 |
| 23 09 23 12-0507 | EA | 16" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 492.76 | 95.71 |
| 23 09 23 12-0508 | EA | 20" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 308.41 | 63.81 |
| 23 09 23 12-0509 | EA | 20" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 342.83 | 79.76 |
| 23 09 23 12-0510 | EA | 20" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 368.79 | 79.76 |
| 23 09 23 12-0511 | EA | 20" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 442.53 | 95.71 |
| 23 09 23 12-0512 | EA | 20" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 484.38 | 95.71 |
| 23 09 23 12-0513 | EA | 20" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 558.15 | 111.66 |
| 23 09 23 12-0514 | EA | 20" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 600.00 | 111.66 |
| 23 09 23 12-0515 | EA | 24" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 310.19 | 79.76 |
| 23 09 23 12-0516 | EA | 24" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 360.41 | 79.76 |
| 23 09 23 12-0517 | EA | 24" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 427.47 | 95.71 |
| 23 09 23 12-0518 | EA | 24" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 474.67 | 95.71 |
| 23 09 23 12-0519 | EA | 24" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 553.79 | 111.66 |
| 23 09 23 12-0520 | EA | 24" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 601.00 | 111.66 |
| 23 09 23 12-0521 | EA | 24" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 648.21 | 111.66 |
| 23 09 23 12-0522 | EA | 28" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 341.29 | 79.76 |
| 23 09 23 12-0523 | EA | 28" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 422.74 | 95.71 |
| 23 09 23 12-0524 | EA | 28" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 466.80 | 95.71 |
| 23 09 23 12-0525 | EA | 28" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 553.79 | 111.66 |
| 23 09 23 12-0526 | EA | 28" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 608.88 | 111.66 |
| 23 09 23 12-0527 | EA | 28" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 663.94 | 111.66 |
| 23 09 23 12-0528 | EA | 28" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 719.03 | 111.66 |
| 23 09 23 12-0529 | EA | 32" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 367.72 | 79.76 |
| 23 09 23 12-0530 | EA | 32" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 456.41 | 95.71 |
| 23 09 23 12-0531 | EA | 32" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 538.81 | 111.66 |
| 23 09 23 12-0532 | EA | 32" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 601.89 | 111.66 |
| 23 09 23 12-0533 | EA | 32" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 664.99 | 111.66 |
| 23 09 23 12-0534 | EA | 32" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 728.09 | 111.66 |
| 23 09 23 12-0535 | EA | 32" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 823.08 | 127.61 |
| 23 09 23 12-0536 | EA | 36" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 404.36 | 95.71 |
| 23 09 23 12-0537 | EA | 36" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 475.34 | 95.71 |
| 23 09 23 12-0538 | EA | 36" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 578.24 | 111.66 |
| 23 09 23 12-0539 | EA | 36" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 618.42 | 111.66 |
| 23 09 23 12-0540 | EA | 36" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 684.25 | 111.66 |
| 23 09 23 12-0541 | EA | 36" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 781.99 | 127.61 |
| 23 09 23 12-0542 | EA | 36" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000) | 847.85 | 127.61 |
| 23 09 23 12-0543 | | Ultra Low Leakage, Air-Foil Control Damper (TAMCO Series 1500) *(23 09 23 12-0492)* | | |
| 23 09 23 12-0544 | EA | 12" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 244.37 | 47.86 |
| 23 09 23 12-0545 | EA | 12" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 293.46 | 63.81 |
| 23 09 23 12-0546 | EA | 12" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 310.68 | 63.81 |
| 23 09 23 12-0547 | EA | 12" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 379.19 | 79.76 |
| 23 09 23 12-0548 | EA | 12" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 389.60 | 79.76 |
| 23 09 23 12-0549 | EA | 12" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 399.99 | 79.76 |
| 23 09 23 12-0550 | EA | 12" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 449.06 | 95.71 |
| 23 09 23 12-0551 | EA | 16" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 278.28 | 63.81 |
| 23 09 23 12-0552 | EA | 16" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 280.29 | 63.81 |
| 23 09 23 12-0553 | EA | 16" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 350.37 | 79.76 |
| 23 09 23 12-0554 | EA | 16" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 388.53 | 79.76 |
| 23 09 23 12-0555 | EA | 16" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 435.16 | 95.71 |
| 23 09 23 12-0556 | EA | 16" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 469.99 | 95.71 |
| 23 09 23 12-0557 | EA | 16" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 504.81 | 95.71 |
| 23 09 23 12-0558 | EA | 20" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 315.94 | 63.81 |
| 23 09 23 12-0559 | EA | 20" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 350.37 | 79.76 |
| 23 09 23 12-0560 | EA | 20" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 377.14 | 79.76 |
| 23 09 23 12-0561 | EA | 20" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 452.58 | 95.71 |
| 23 09 23 12-0562 | EA | 20" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 496.11 | 95.71 |
| 23 09 23 12-0563 | EA | 20" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 571.53 | 111.66 |
| 23 09 23 12-0564 | EA | 20" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 615.07 | 111.66 |
| 23 09 23 12-0565 | EA | 24" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 316.21 | 79.76 |
| 23 09 23 12-0566 | EA | 24" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 368.45 | 79.76 |
| 23 09 23 12-0567 | EA | 24" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 439.18 | 95.71 |
| 23 09 23 12-0568 | EA | 24" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 488.74 | 95.71 |
| 23 09 23 12-0569 | EA | 24" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 570.21 | 111.66 |
| 23 09 23 12-0570 | EA | 24" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 619.75 | 111.66 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 12-0571 | EA | 24" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 669.31 | 111.66 |
| 23 09 23 12-0572 | EA | 28" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 350.31 | 79.76 |
| 23 09 23 12-0573 | EA | 28" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 434.24 | 95.71 |
| 23 09 23 12-0574 | EA | 28" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 480.48 | 95.71 |
| 23 09 23 12-0575 | EA | 28" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 570.21 | 111.66 |
| 23 09 23 12-0576 | EA | 28" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 628.00 | 111.66 |
| 23 09 23 12-0577 | EA | 28" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 685.82 | 111.66 |
| 23 09 23 12-0578 | EA | 28" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 743.64 | 111.66 |
| 23 09 23 12-0579 | EA | 32" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 377.55 | 79.76 |
| 23 09 23 12-0580 | EA | 32" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 468.91 | 95.71 |
| 23 09 23 12-0581 | EA | 32" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 553.67 | 111.66 |
| 23 09 23 12-0582 | EA | 32" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 619.75 | 111.66 |
| 23 09 23 12-0583 | EA | 32" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 685.82 | 111.66 |
| 23 09 23 12-0584 | EA | 32" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 751.89 | 111.66 |
| 23 09 23 12-0585 | EA | 32" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 849.85 | 127.61 |
| 23 09 23 12-0586 | EA | 36" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 414.41 | 95.71 |
| 23 09 23 12-0587 | EA | 36" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 488.74 | 95.71 |
| 23 09 23 12-0588 | EA | 36" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 594.98 | 111.66 |
| 23 09 23 12-0589 | EA | 36" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 669.31 | 111.66 |
| 23 09 23 12-0590 | EA | 36" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 743.64 | 111.66 |
| 23 09 23 12-0591 | EA | 36" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 849.85 | 127.61 |
| 23 09 23 12-0592 | EA | 36" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500) | 924.18 | 127.61 |
| **23 09 23 12-0593** | | **Thermally Insulated Damper (TAMCO Series 9000)** *(23 09 23 12-0492)* | | |
| 23 09 23 12-0594 | EA | 12" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 284.55 | 47.86 |
| 23 09 23 12-0595 | EA | 12" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 338.04 | 63.81 |
| 23 09 23 12-0596 | EA | 12" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 359.64 | 63.81 |
| 23 09 23 12-0597 | EA | 12" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 437.95 | 79.76 |
| 23 09 23 12-0598 | EA | 12" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 450.61 | 79.76 |
| 23 09 23 12-0599 | EA | 12" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 463.27 | 79.76 |
| 23 09 23 12-0600 | EA | 12" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 516.86 | 95.71 |
| 23 09 23 12-0601 | EA | 16" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 318.46 | 63.81 |
| 23 09 23 12-0602 | EA | 16" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 320.46 | 63.81 |
| 23 09 23 12-0603 | EA | 16" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 400.59 | 79.76 |
| 23 09 23 12-0604 | EA | 16" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 448.80 | 79.76 |
| 23 09 23 12-0605 | EA | 16" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 497.66 | 95.71 |
| 23 09 23 12-0606 | EA | 16" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 541.41 | 95.71 |
| 23 09 23 12-0607 | EA | 16" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 585.16 | 95.71 |
| 23 09 23 12-0608 | EA | 20" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 366.17 | 63.81 |
| 23 09 23 12-0609 | EA | 20" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 400.59 | 79.76 |
| 23 09 23 12-0610 | EA | 20" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 432.95 | 79.76 |
| 23 09 23 12-0611 | EA | 20" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 519.53 | 95.71 |
| 23 09 23 12-0612 | EA | 20" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 574.24 | 95.71 |
| 23 09 23 12-0613 | EA | 20" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 660.83 | 111.66 |
| 23 09 23 12-0614 | EA | 20" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 715.51 | 111.66 |
| 23 09 23 12-0615 | EA | 24" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 356.39 | 79.76 |
| 23 09 23 12-0616 | EA | 24" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 422.02 | 79.76 |
| 23 09 23 12-0617 | EA | 24" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 506.15 | 95.71 |
| 23 09 23 12-0618 | EA | 24" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 569.09 | 95.71 |
| 23 09 23 12-0619 | EA | 24" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 663.94 | 111.66 |
| 23 09 23 12-0620 | EA | 24" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 726.90 | 111.66 |
| 23 09 23 12-0621 | EA | 24" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 789.84 | 111.66 |
| 23 09 23 12-0622 | EA | 28" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 401.85 | 79.76 |
| 23 09 23 12-0623 | EA | 28" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 499.85 | 95.71 |
| 23 09 23 12-0624 | EA | 28" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 558.61 | 95.71 |
| 23 09 23 12-0625 | EA | 28" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 663.94 | 111.66 |
| 23 09 23 12-0626 | EA | 28" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 737.39 | 111.66 |
| 23 09 23 12-0627 | EA | 28" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 810.81 | 111.66 |
| 23 09 23 12-0628 | EA | 28" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 884.26 | 111.66 |
| 23 09 23 12-0629 | EA | 32" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 436.49 | 79.76 |
| 23 09 23 12-0630 | EA | 32" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 543.92 | 95.71 |
| 23 09 23 12-0631 | EA | 32" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 642.97 | 111.66 |
| 23 09 23 12-0632 | EA | 32" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 726.90 | 111.66 |
| 23 09 23 12-0633 | EA | 32" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 810.81 | 111.66 |
| 23 09 23 12-0634 | EA | 32" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 894.74 | 111.66 |
| 23 09 23 12-0635 | EA | 32" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 1,010.57 | 127.61 |
| 23 09 23 12-0636 | EA | 36" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 474.67 | 95.71 |
| 23 09 23 12-0637 | EA | 36" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 569.09 | 95.71 |
| 23 09 23 12-0638 | EA | 36" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 695.42 | 111.66 |
| 23 09 23 12-0639 | EA | 36" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 788.49 | 111.66 |
| 23 09 23 12-0640 | EA | 36" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 882.69 | 111.66 |
| 23 09 23 12-0641 | EA | 36" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 1,008.78 | 127.61 |
| 23 09 23 12-0642 | EA | 36" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000) | 1,102.98 | 127.61 |
| **23 09 23 12-0643** | | **Thermally Broken Frame Damper (TAMCO Series 9000 BF)** *(23 09 23 12-0492)* | | |
| 23 09 23 12-0644 | EA | 12" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 318.70 | 47.86 |
| 23 09 23 12-0645 | EA | 12" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 375.93 | 63.81 |
| 23 09 23 12-0646 | EA | 12" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 401.26 | 63.81 |
| 23 09 23 12-0647 | EA | 12" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 487.89 | 79.76 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 12-0648 | EA | 12" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 502.48 | 79.76 |
| 23 09 23 12-0649 | EA | 12" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 517.06 | 79.76 |
| 23 09 23 12-0650 | EA | 12" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 574.50 | 95.71 |
| 23 09 23 12-0651 | EA | 16" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 352.61 | 63.81 |
| 23 09 23 12-0652 | EA | 16" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 354.62 | 63.81 |
| 23 09 23 12-0653 | EA | 16" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 443.28 | 79.76 |
| 23 09 23 12-0654 | EA | 16" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 500.03 | 79.76 |
| 23 09 23 12-0655 | EA | 16" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 550.79 | 95.71 |
| 23 09 23 12-0656 | EA | 16" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 602.12 | 95.71 |
| 23 09 23 12-0657 | EA | 16" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 653.47 | 95.71 |
| 23 09 23 12-0658 | EA | 20" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 408.86 | 63.81 |
| 23 09 23 12-0659 | EA | 20" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 443.28 | 79.76 |
| 23 09 23 12-0660 | EA | 20" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 480.38 | 79.76 |
| 23 09 23 12-0661 | EA | 20" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 576.47 | 95.71 |
| 23 09 23 12-0662 | EA | 20" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 640.63 | 95.71 |
| 23 09 23 12-0663 | EA | 20" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 736.72 | 111.66 |
| 23 09 23 12-0664 | EA | 20" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 800.89 | 111.66 |
| 23 09 23 12-0665 | EA | 24" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 390.54 | 79.76 |
| 23 09 23 12-0666 | EA | 24" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 467.54 | 79.76 |
| 23 09 23 12-0667 | EA | 24" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 546.33 | 95.71 |
| 23 09 23 12-0668 | EA | 24" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 617.31 | 95.71 |
| 23 09 23 12-0669 | EA | 24" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 720.19 | 111.66 |
| 23 09 23 12-0670 | EA | 24" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 791.19 | 111.66 |
| 23 09 23 12-0671 | EA | 24" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 862.16 | 111.66 |
| 23 09 23 12-0672 | EA | 28" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 432.79 | 79.76 |
| 23 09 23 12-0673 | EA | 28" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 539.22 | 95.71 |
| 23 09 23 12-0674 | EA | 28" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 605.47 | 95.71 |
| 23 09 23 12-0675 | EA | 28" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 720.19 | 111.66 |
| 23 09 23 12-0676 | EA | 28" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 803.02 | 111.66 |
| 23 09 23 12-0677 | EA | 28" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 885.83 | 111.66 |
| 23 09 23 12-0678 | EA | 28" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 968.63 | 111.66 |
| 23 09 23 12-0679 | EA | 32" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 471.84 | 79.76 |
| 23 09 23 12-0680 | EA | 32" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 588.92 | 95.71 |
| 23 09 23 12-0681 | EA | 32" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 696.55 | 111.66 |
| 23 09 23 12-0682 | EA | 32" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 791.19 | 111.66 |
| 23 09 23 12-0683 | EA | 32" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 885.83 | 111.66 |
| 23 09 23 12-0684 | EA | 32" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 980.46 | 111.66 |
| 23 09 23 12-0685 | EA | 32" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 1,106.99 | 127.61 |
| 23 09 23 12-0686 | EA | 36" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 510.84 | 95.71 |
| 23 09 23 12-0687 | EA | 36" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 617.31 | 95.71 |
| 23 09 23 12-0688 | EA | 36" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 755.69 | 111.66 |
| 23 09 23 12-0689 | EA | 36" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 860.81 | 111.66 |
| 23 09 23 12-0690 | EA | 36" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 967.07 | 111.66 |
| 23 09 23 12-0691 | EA | 36" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 1,105.21 | 127.61 |
| 23 09 23 12-0692 | EA | 36" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF) | 1,211.46 | 127.61 |

## 23 09 23 12-0693 Rectangular Galvanized Volume Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

| | | | | |
|---|---|---|---|---|
| 23 09 23 12-0694 | EA | 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008) | 218.25 | 39.56 |
| 23 09 23 12-0695 | EA | 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010) | 246.22 | 43.39 |
| 23 09 23 12-0696 | EA | 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012) | 275.43 | 47.86 |
| 23 09 23 12-0697 | EA | 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014) | 318.31 | 56.15 |
| 23 09 23 12-0698 | EA | 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016) | 359.91 | 63.81 |
| 23 09 23 12-0699 | EA | 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018) | 362.71 | 71.79 |
| 23 09 23 12-0700 | EA | 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020) | 446.64 | 79.76 |
| 23 09 23 12-0701 | EA | 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024) | 533.31 | 95.71 |
| 23 09 23 12-0702 | EA | 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032) | 686.86 | 111.66 |
| 23 09 23 12-0703 | EA | 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048) | 1,026.65 | 127.61 |
| 23 09 23 12-0704 | EA | 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060) | 1,899.04 | 143.56 |
| 23 09 23 12-0705 | EA | 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072) | 2,416.38 | 159.52 |

## 23 09 23 12-0706 Round Galvanized Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

| | | | | |
|---|---|---|---|---|
| 23 09 23 12-0707 | EA | 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06) | 210.95 | 44.67 |
| 23 09 23 12-0708 | EA | 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08) | 217.45 | 47.86 |
| 23 09 23 12-0709 | EA | 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10) | 227.20 | 47.86 |
| 23 09 23 12-0710 | EA | 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12) | 252.02 | 54.24 |
| 23 09 23 12-0711 | EA | 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14) | 288.17 | 54.24 |
| 23 09 23 12-0712 | EA | 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16) | 311.70 | 63.81 |
| 23 09 23 12-0713 | EA | 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18) | 419.11 | 67.16 |
| 23 09 23 12-0714 | EA | 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20) | 438.30 | 69.61 |
| 23 09 23 12-0715 | EA | 22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22) | 464.86 | 75.05 |
| 23 09 23 12-0716 | EA | 24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24) | 491.97 | 80.48 |

## 23 09 23 12-0717 Remote Damper Control *(23 09 23 12)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 12-0718 | EA | Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B) | 308.39 | |
| | | *For Each 10' Flexible Casing And Wire, Add* | *42.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 12-0719 | EA | Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B) | 299.68 | |
| | | *For Each 10' Flexible Casing And Wire, Add* | *42.60* | |
| 23 09 23 12-0720 | EA | Remote Rack And Pinion Operator For Damper Bowden Remote Cable Control (Young Regulator Co. 270-275-PH) | 300.64 | |
| | | Note: Includes extended control shaft adjustment with Philips screwdriver | | |
| | | *For Each 10' Flexible Casing And Wire, Add* | *42.60* | |

### 23 09 23 12-0721 Control Damper Actuators *(23 09 23 12)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 12-0722 | EA | 44 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR) | 554.12 | 105.43 |
| 23 09 23 12-0723 | EA | 90 IN-Lb., 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR) | 601.19 | 105.43 |
| 23 09 23 12-0724 | EA | 90 IN-Lb., 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP) | 678.30 | 105.43 |
| 23 09 23 12-0725 | EA | 175 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR) | 715.15 | 105.43 |
| 23 09 23 12-0726 | EA | 90 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR) | 737.01 | 105.43 |
| 23 09 23 12-0727 | EA | 360 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR) | 822.98 | 105.43 |

## 23 09 23 13 Energy Meters *(23 09 23)*

### 23 09 23 13-0001 Surge Protectors *(23 09 23 13)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 13-0002 | EA | Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255) | 365.48 | 10.10 |
| 23 09 23 13-0003 | EA | Surge Protector, 1AC Outlet (Transtector TR2251) | 275.71 | 10.10 |
| 23 09 23 13-0004 | EA | Surge Protector, 2 AC Outlets (Transtector TR2254) | 430.18 | 10.10 |
| 23 09 23 13-0005 | EA | Surge Protector, DB-15 Connection (Transtector TR2259-DLP15) | 231.88 | 10.10 |
| 23 09 23 13-0006 | EA | Surge Protector, DB-25 Connection (Transtector TR2259-DLP25) | 231.88 | 10.10 |
| 23 09 23 13-0007 | EA | Surge Protector, DB-9 Connection (Transtector TR2259-DLP9) | 231.88 | 10.10 |
| 23 09 23 13-0008 | EA | Surge Protector, Individual Wire Connection (Transtector TR2258) | 336.27 | 10.10 |
| 23 09 23 13-0009 | EA | Surge Protector, Trane Communication Links (Transtector TR2257) | 206.82 | 10.10 |

## 23 09 23 14 Flow Instruments *(23 09 23)*

### 23 09 23 14-0001 Water Flow Meters *(23 09 23 14)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 14-0002 | EA | Insertion Electromagnetic Water Flow Meter (Onicon F-3500)<br>Note: Excludes pipe fittings. | 5,455.91 | 103.48 |

### 23 09 23 14-0003 Air Flow Monitoring Stations *(23 09 23 14)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 14-0004 | EA | Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116)<br>Note: 10' cable, 36" x 24" typical duct size. | 4,293.94 | 122.51 |
| 23 09 23 14-0005 | EA | Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)<br>Note: 10' cable, 48" x 36" typical duct size. | 6,168.54 | 122.51 |
| 23 09 23 14-0006 | EA | Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)<br>Note: 10' cable, 60" x 48" typical duct size. | 7,678.93 | 122.51 |

## 23 09 23 16 Gas Instruments *(23 09 23)*

### 23 09 23 16-0001 Gas Sensors *(23 09 23 16)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 16-0002 | EA | 6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B) | 2,268.80 | 60.60 |
| 23 09 23 16-0003 | EA | Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD) | 1,001.00 | 40.41 |
| 23 09 23 16-0004 | EA | CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2)<br>Note: Solid state sensor. | 1,802.03 | 60.60 |
| 23 09 23 16-0005 | EA | CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD) | 974.97 | 72.73 |

## 23 09 23 19 Moisture Instruments *(23 09 23)*

### 23 09 23 19-0001 Relative Humidity Sensors *(23 09 23 19)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 19-0002 | EA | 3% Duct Mounted RH Sensor (Kele HD30K) | 604.89 | 72.73 |
| 23 09 23 19-0003 | EA | 10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3) | 621.57 | 72.73 |
| 23 09 23 19-0004 | EA | 3% RH Outdoor Air Sensor (Kele HO30K) | 702.16 | 101.01 |
| 23 09 23 19-0005 | EA | 2% Surface Mounted RH Transmitter (Kele HW20K) | 549.56 | 40.41 |

## 23 09 23 21 Motion Instruments *(23 09 23)*

### 23 09 23 21-0001 Peco Motion Sensors *(23 09 23 21)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 21-0002 | EA | Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001) | 200.13 | 28.40 |
| 23 09 23 21-0003 | EA | Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001) | 196.16 | 28.40 |
| 23 09 23 21-0004 | EA | Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001) | 262.89 | 28.40 |
| 23 09 23 21-0005 | EA | Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002) | 233.44 | 28.40 |
| 23 09 23 21-0006 | EA | Door Switch Occupancy Sensor (Peco SE200-001) | 71.61 | 28.40 |
| 23 09 23 21-0007 | EA | Window Switch Occupancy Sensor (Peco SE200-002) | 66.12 | 28.40 |
| 23 09 23 21-0008 | EA | Power Pack And Controller (Peco SF200-001) | 122.55 | 28.40 |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 23 09 23 23 Pressure Instruments *(23 09 23)*

### 23 09 23 23-0001 Pressure Sensors *(23 09 23 23)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 23-0002 | EA | 0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005) | 807.72 | 85.30 |
| 23 09 23 23-0003 | EA | 0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050) | 718.15 | 85.30 |
| 23 09 23 23-0004 | EA | 0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222) | 284.71 | 85.30 |
| 23 09 23 23-0005 | EA | 0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262) | 295.11 | 85.30 |
| 23 09 23 23-0006 | EA | 0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460) | 315.48 | 85.30 |
| 23 09 23 23-0007 | EA | 0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145) | 292.10 | 85.30 |
| 23 09 23 23-0008 | EA | 0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA)<br>Note: Excludes pipe fittings. | 2,989.37 | 85.30 |
| 23 09 23 23-0009 | EA | 0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA)<br>Note: Excludes pipe fittings. | 2,989.37 | 85.30 |
| 23 09 23 23-0010 | EA | Magnahelic Gauge | 775.68 | 52.15 |

## 23 09 23 27 Temperature Instruments *(23 09 23)*

### 23 09 23 27-0001 Air Temperature Sensors *(23 09 23 27)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 27-0002 | EA | 10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24) | 220.75 | 72.73 |
| 23 09 23 27-0003 | EA | 10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO) | 310.33 | 72.73 |
| 23 09 23 27-0004 | EA | 10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG) | 231.06 | 72.73 |
| 23 09 23 27-0005 | EA | 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH) | 241.62 | 72.73 |
| 23 09 23 27-0006 | EA | 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18) | 245.14 | 72.73 |
| 23 09 23 27-0007 | EA | 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6) | 241.67 | 72.73 |
| 23 09 23 27-0008 | EA | 10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP) | 243.53 | 72.73 |
| 23 09 23 27-0009 | EA | 10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4) | 261.33 | 72.73 |
| 23 09 23 27-0010 | EA | 10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW) | 276.88 | 72.73 |
| 23 09 23 27-0011 | EA | 10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24) | 334.88 | 101.01 |
| 23 09 23 27-0012 | EA | 10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25) | 346.85 | 101.01 |
| 23 09 23 27-0013 | EA | Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF) | 151.61 | 40.41 |
| 23 09 23 27-0014 | EA | Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R) | 156.01 | 40.41 |
| 23 09 23 27-0015 | EA | Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP) | 144.46 | 40.41 |

### 23 09 23 27-0016 Water Temperature Sensors *(23 09 23 27)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 27-0017 | EA | 5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001) | 178.09 | 78.16 |
| 23 09 23 27-0018 | EA | Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005) | 403.36 | 78.16 |

### 23 09 23 27-0019 Peco Thermostats *(23 09 23 27)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 27-0020 | EA | 3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ) | 419.21 | 18.94 |
| 23 09 23 27-0021 | EA | 3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001) | 373.57 | 18.94 |

## 23 09 23 53 Proprietary Control Systems *(23 09 23)*

### 23 09 23 53-0001 EMCS General Costs *(23 09 23 53)*

### 23 09 23 53-0002 EMCS System Design Services *(23 09 23 53-0001)*

Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0003 | HR | EMCS Site Inspection Of Existing Facilities | 233.59 | |
| 23 09 23 53-0004 | HR | EMCS Engineering Project Management | 233.59 | |
| 23 09 23 53-0005 | HR | EMCS System Engineering, Schematic Design And Layout | 246.22 | |
| 23 09 23 53-0006 | HR | EMCS System Software Programming And Graphics Programming | 202.03 | |
| 23 09 23 53-0007 | HR | EMCS Graphics Picture Creation | 211.49 | |
| 23 09 23 53-0008 | HR | EMCS System Controls Training | 220.97 | |
| 23 09 23 53-0009 | HR | EMCS On Site System Diagnostics Field Technician | 227.28 | |
| 23 09 23 53-0010 | HR | EMCS Remote Technical Support Using Phone Or Internet | 195.71 | |
| 23 09 23 53-0011 | HR | EMCS Travel Time (All Personnel) | 189.40 | |

### 23 09 23 53-0012 Field Tests, Checkout And Commissioning *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0013 | PNT | EMCS Field Test<br>Note: Priced per point. | 165.78 | |
| 23 09 23 53-0014 | PNT | EMCS Field Checkout And Startup<br>Note: Priced per point. | 165.78 | |
| 23 09 23 53-0015 | PNT | EMCS Field Commissioning<br>Note: Priced per point. | 165.78 | |
| 23 09 23 53-0016 | EA | EMCS Field Balance Support<br>Note: Priced per controller. | 142.04 | |

### 23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0018 | PNT | EMCS System Engineering/Submittal Design And Layout<br>Note: Priced per point. | 55.30 | |

## 23 09 23 53-0019 Alerton Controls *(23 09 23 53)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0020 | EA | 50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL) | 9,889.03 | |
| 23 09 23 53-0021 | EA | 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM) | 12,684.53 | |
| 23 09 23 53-0022 | EA | Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM) | 31,992.86 | |
| 23 09 23 53-0023 | EA | Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE) | 24,017.68 | |
| 23 09 23 53-0024 | EA | Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE) | 61,794.83 | |
| 23 09 23 53-0025 | EA | Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE) | 48,748.28 | |
| 23 09 23 53-0026 | EA | Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE) | 74,387.20 | |
| 23 09 23 53-0027 | EA | Alerton Building Suite Tech License (Alerton ABS-3-TECH) | 2,072.67 | |
| 23 09 23 53-0028 | EA | Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1) | 28,265.51 | |
| 23 09 23 53-0029 | EA | Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG) | 20,697.48 | |
| 23 09 23 53-0030 | EA | 150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED) | 12,625.78 | |
| 23 09 23 53-0031 | EA | 50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM) | 7,828.06 | |
| 23 09 23 53-0032 | EA | 10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS) | 3,030.46 | |
| 23 09 23 53-0033 | EA | 1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100) | 5,376.85 | 303.04 |
| 23 09 23 53-0034 | EA | Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS) | 7,931.95 | 404.05 |
| 23 09 23 53-0035 | EA | Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS) | 7,829.53 | 404.05 |
| 23 09 23 53-0036 | EA | V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM) | 2,900.34 | 303.04 |
| 23 09 23 53-0037 | EA | 1 MS/TP, BACtalk Control Module (Alerton 715000300) | 3,500.58 | 303.04 |
| 23 09 23 53-0038 | EA | Power Supply, BACtalk Control Module (Alerton BCM-PWS) | 2,715.64 | 303.04 |
| 23 09 23 53-0039 | EA | 1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX) | 3,362.91 | 303.04 |
| 23 09 23 53-0040 | EA | Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB) | 7,870.14 | 303.04 |
| 23 09 23 53-0041 | EA | BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS) | 3,661.45 | 404.05 |
| 23 09 23 53-0042 | EA | EXP BACnet Controller (Alerton VLX) | 8,032.27 | 808.10 |
| 23 09 23 53-0043 | EA | VLX BACnet High Performance Controller (Alerton VLX-PLATINUM) | 9,346.09 | 808.10 |
| 23 09 23 53-0044 | EA | Multiple Segment MS/TP Repeater (Alerton MSTP-REP) | 1,229.77 | 89.97 |
| 23 09 23 53-0045 | EA | 4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD) | 2,375.66 | 303.04 |
| 23 09 23 53-0046 | EA | 4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7) | 2,514.18 | 303.04 |
| 23 09 23 53-0047 | EA | 4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD) | 2,035.67 | 303.04 |
| 23 09 23 53-0048 | EA | 4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A) | 2,228.76 | 303.04 |
| 23 09 23 53-0049 | EA | 5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD) | 2,220.36 | 303.04 |
| 23 09 23 53-0050 | EA | 11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188) | 3,328.49 | 303.04 |
| 23 09 23 53-0051 | EA | 16 Inputs, BACtalk Field Controller (Alerton VLC-1600) | 2,565.39 | 303.04 |
| 23 09 23 53-0052 | EA | 16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160) | 3,841.96 | 404.05 |
| 23 09 23 53-0053 | EA | 4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444) | 1,704.40 | 202.03 |
| 23 09 23 53-0054 | EA | 5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550) | 1,648.98 | 202.03 |
| 23 09 23 53-0055 | EA | 6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R) | 2,241.34 | 303.04 |
| 23 09 23 53-0056 | EA | 6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R) | 2,241.34 | 303.04 |
| 23 09 23 53-0057 | EA | 8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853) | 2,688.79 | 303.04 |
| 23 09 23 53-0058 | EA | 16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688) | 5,311.91 | 404.05 |
| 23 09 23 53-0059 | EA | 2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362) | 2,321.09 | 303.04 |
| 23 09 23 53-0060 | EA | Wireless Door Contact Sensor (Alerton AL-OC-DS) | 156.38 | 11.36 |
| 23 09 23 53-0061 | EA | One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT) | 254.10 | 11.36 |
| 23 09 23 53-0062 | EA | One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT) | 650.33 | 11.36 |
| 23 09 23 53-0063 | EA | Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT) | 650.33 | 11.36 |
| 23 09 23 53-0064 | EA | Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT) | 505.96 | 11.36 |
| 23 09 23 53-0065 | EA | BACnet-Compliant Wall Sensor (Alerton TS-1050-BT) | 170.16 | 11.36 |
| 23 09 23 53-0066 | EA | Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT) | 686.44 | 11.36 |
| 23 09 23 53-0067 | EA | Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT) | 770.40 | 11.36 |
| 23 09 23 53-0068 | EA | 10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0) | 3,320.10 | 303.04 |
| 23 09 23 53-0069 | EA | 10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8) | 3,526.60 | 303.04 |
| 23 09 23 53-0070 | EA | 22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0) | 3,348.64 | 303.04 |
| 23 09 23 53-0071 | EA | 50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM) | 10,938.09 | |
| 23 09 23 53-0072 | EA | Global Controller Base Unit (Alerton ACM) | 5,963.26 | 303.04 |
| 23 09 23 53-0073 | EA | External Battery Pack For ACM (Alerton ACM-BATT) | 1,295.30 | 168.56 |
| 23 09 23 53-0074 | EA | Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032) | 1,071.31 | |
| 23 09 23 53-0075 | EA | Microset 4 Wall Sensor (Alerton MS4-THC) | 1,225.92 | 11.36 |

## 23 09 23 53-0076 Automated Logic Controls *(23 09 23 53)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0077 | EA | 0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100) | 3,737.04 | 303.04 |
| 23 09 23 53-0078 | EA | 0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320) | 8,391.08 | 909.12 |
| 23 09 23 53-0079 | EA | 2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx) | 2,591.93 | 303.04 |
| 23 09 23 53-0080 | EA | 4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx) | 5,438.49 | 404.05 |
| 23 09 23 53-0081 | EA | 8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx) | 5,353.03 | 404.05 |
| 23 09 23 53-0082 | EA | 16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160) | 8,655.11 | 808.10 |
| 23 09 23 53-0083 | EA | 8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx) | 4,797.57 | 404.05 |
| 23 09 23 53-0084 | EA | 0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320) | 4,796.69 | 303.04 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0085 | EA | 16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160) | 8,142.38 | 808.10 |
| 23 09 23 53-0086 | EA | No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642) | 1,984.08 | 202.03 |
| 23 09 23 53-0087 | EA | With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D) | 2,121.35 | 202.03 |
| 23 09 23 53-0088 | EA | 3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+) | 2,815.39 | 202.03 |
| 23 09 23 53-0089 | EA | 1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+) | 2,719.25 | 202.03 |
| 23 09 23 53-0090 | EA | Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF) | 2,369.74 | 303.04 |
| 23 09 23 53-0091 | EA | Unlimited Points, Front End Software For Building Control (Automated Logic WC) | 14,225.11 | |
| 23 09 23 53-0092 | EA | 500 Point, Front End Software For Building Control (Automated Logic WC500) | 9,012.29 | |
| 23 09 23 53-0093 | EA | Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE) | 11,692.13 | |

## 23 09 23 53-0094 Cypress Envirosystems Controls *(23 09 23 53)*

## 23 09 23 53-0095 Wireless Pneumatic Thermostat *(23 09 23 53-0094)*

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0096 | EA | Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP)<br>Note: One for every thermostat to be retrofitted. | 567.83 | 12.63 |
| | | *For >50 To 200, Deduct* | *-29.23* | |
| | | *For >200, Deduct* | *-58.41* | |
| 23 09 23 53-0097 | EA | Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP)<br>Note: One for every thermostat to be retrofitted. | 567.83 | 12.63 |
| | | *For >50 To 200, Deduct* | *-29.23* | |
| | | *For >200, Deduct* | *-58.41* | |
| 23 09 23 53-0098 | EA | Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP)<br>Note: One for every thermostat to be retrofitted. | 567.83 | 12.63 |
| | | *For >50 To 200, Deduct* | *-29.23* | |
| | | *For >200, Deduct* | *-58.41* | |
| 23 09 23 53-0099 | EA | Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP)<br>Note: One for every thermostat to be retrofitted. | 567.83 | 12.63 |
| | | *For >50 To 200, Deduct* | *-29.23* | |
| | | *For >200, Deduct* | *-58.41* | |
| 23 09 23 53-0100 | EA | Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB)<br>Note: One for every thermostat to be retrofitted. | 646.13 | 12.63 |
| | | *For >50 To 200, Deduct* | *-33.59* | |
| | | *For >200, Deduct* | *-67.11* | |
| 23 09 23 53-0101 | EA | Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB)<br>Note: One for every thermostat to be retrofitted. | 646.13 | 12.63 |
| | | *For >50 To 200, Deduct* | *-33.59* | |
| | | *For >200, Deduct* | *-67.11* | |
| 23 09 23 53-0102 | EA | Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB)<br>Note: One for every thermostat to be retrofitted. | 646.13 | 12.63 |
| | | *For >50 To 200, Deduct* | *-33.59* | |
| | | *For >200, Deduct* | *-67.11* | |
| 23 09 23 53-0103 | EA | Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB)<br>Note: One for every thermostat to be retrofitted. | 646.13 | 12.63 |
| | | *For >50 To 200, Deduct* | *-33.59* | |
| | | *For >200, Deduct* | *-67.11* | |
| 23 09 23 53-0104 | EA | Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)<br>Note: Optional cover. | 46.20 | 12.63 |
| | | *For >50 To 200, Deduct* | *-1.87* | |
| | | *For >200, Deduct* | *-3.73* | |
| 23 09 23 53-0105 | EA | Green Box Controller (Cypress Envirosystems GBC-830-COM)<br>Note: One unit for up to 100 thermostats. | 5,110.44 | 12.63 |
| | | *For 2, Deduct* | *-256.06* | |
| | | *For >2, Deduct* | *-511.66* | |
| 23 09 23 53-0106 | EA | WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)<br>Note: One unit for up to 100 thermostats. | 493.13 | 12.63 |
| | | *For 2, Deduct* | *-26.72* | |
| | | *For >2, Deduct* | *-53.38* | |
| 23 09 23 53-0107 | EA | WPT Repeater (Cypress Envirosystems WPT-800-RWAL)<br>Note: One unit for up to 15 thermostats. | 856.83 | 12.63 |
| | | *For >5 To 10, Deduct* | *-44.13* | |
| | | *For >10, Deduct* | *-88.18* | |
| 23 09 23 53-0108 | EA | 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)<br>Note: One unit for up to 15 thermostats. | 1,049.24 | 12.63 |
| | | *For >5 To 10, Deduct* | *-51.32* | |
| | | *For >10, Deduct* | *-102.54* | |

## 23 09 23 53-0109 Delta Controls *(23 09 23 53)*

## 23 09 23 53-0110 Software *(23 09 23 53-0109)*

Note: Excludes programming, set-up and commissioning of application.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0111 | EA | Orca Software Unlimited Points License (Delta Controls DOW333-USB) | 2,570.16 | |
| 23 09 23 53-0112 | EA | Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB) | 4,352.94 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0113 | EA | Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB) | 9,431.37 | |
| 23 09 23 53-0114 | EA | Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB) | 14,903.49 | |
| 23 09 23 53-0115 | EA | Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB) | 7,648.59 | |
| 23 09 23 53-0116 | EA | Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB) | 2,570.16 | |
| 23 09 23 53-0117 | EA | 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01) | 6,197.61 | |
| 23 09 23 53-0118 | EA | 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02) | 7,648.59 | |
| 23 09 23 53-0119 | EA | KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB) | 2,696.04 | 126.27 |
| 23 09 23 53-0120 | EA | Delta Controls Touch Screen (Delta Controls DHMI-7-I) | 2,952.47 | |
| **23 09 23 53-0121** | | **EMCS Central Equipment And Controllers** *(23 09 23 53-0109)* | | |
| 23 09 23 53-0122 | EA | Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616)<br>Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup | 9,238.63 | 505.06 |
| 23 09 23 53-0123 | EA | Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E) | 6,917.06 | 505.06 |
| 23 09 23 53-0124 | EA | Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146) | 4,983.63 | 505.06 |
| 23 09 23 53-0125 | EA | Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180) | 4,983.63 | 505.06 |
| 23 09 23 53-0126 | EA | Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146) | 4,983.63 | 505.06 |
| 23 09 23 53-0127 | EA | Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3) | 4,630.06 | 505.06 |
| 23 09 23 53-0128 | EA | VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF) | 1,652.19 | 252.53 |
| 23 09 23 53-0129 | EA | Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240) | 1,496.21 | 252.53 |
| 23 09 23 53-0130 | EA | Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3) | 1,599.70 | 252.53 |
| 23 09 23 53-0131 | EA | Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240) | 1,496.21 | 252.53 |
| 23 09 23 53-0132 | EA | Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616) | 3,584.23 | 315.66 |
| 23 09 23 53-0133 | EA | Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440) | 885.40 | 126.27 |
| 23 09 23 53-0134 | EA | Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404) | 951.16 | 126.27 |
| 23 09 23 53-0135 | EA | Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600) | 1,121.73 | 126.27 |
| **23 09 23 53-0136** | | **Network, VAV And Special Sensors** *(23 09 23 53-0109)* | | |
| 23 09 23 53-0137 | EA | BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24) | 296.79 | 40.41 |
| 23 09 23 53-0138 | EA | BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24) | 403.84 | 45.46 |
| 23 09 23 53-0139 | EA | Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B) | 800.38 | 18.94 |
| **23 09 23 53-0140** | | **Honeywell Controls** *(23 09 23 53)* | | |
| **23 09 23 53-0141** | | **EMCS Central Equipment And Controllers** *(23 09 23 53-0140)* | | |
| **23 09 23 53-0142** | | **EMCS Network Area Controllers (BACnet Or Lon)** *(23 09 23 53-0141)*<br>Note: Includes loading software, software license, loading data base and mounting on wall. | | |
| 23 09 23 53-0143 | EA | Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)<br>Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software. | 12,764.06 | 615.54 |
| 23 09 23 53-0144 | EA | Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)<br>Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device). | 8,673.43 | 615.54 |
| 23 09 23 53-0145 | EA | Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)<br>Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices. | 6,599.70 | 615.54 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0146 | EA | Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)<br>Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack. | 8,249.90 | 615.54 |
| 23 09 23 53-0147 | EA | Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)<br>Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations. | 6,542.89 | 615.54 |
| 23 09 23 53-0148 | EA | Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)<br>Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485. | 6,542.89 | 615.54 |
| 23 09 23 53-0149 | EA | 16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)<br>Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller. | 7,113.61 | 615.54 |
| 23 09 23 53-0150 | EA | 16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)<br>Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller. | 7,712.75 | 615.54 |
| 23 09 23 53-0151 | EA | 16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)<br>Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller. | 7,113.61 | 615.54 |
| 23 09 23 53-0152 | EA | 16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)<br>Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller. | 7,712.75 | 615.54 |
| 23 09 23 53-0153 | EA | 34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)<br>Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller. | 7,717.91 | 615.54 |
| 23 09 23 53-0154 | EA | 34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.)<br>Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this. | 8,317.05 | 615.54 |
| 23 09 23 53-0155 | EA | 34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)<br>Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller. | 7,717.91 | 615.54 |
| 23 09 23 53-0156 | EA | 34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU)<br>Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this. | 8,317.05 | 615.54 |
| 23 09 23 53-0157 | EA | Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX)<br>Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. | 8,221.49 | 615.54 |
| 23 09 23 53-0158 | EA | Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only)<br>Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity. | 10,222.91 | 615.54 |
| 23 09 23 53-0159 | EA | Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ)<br>Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. | 10,840.12 | 615.54 |
| 23 09 23 53-0160 | EA | Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ)<br>Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity. | 12,841.53 | 615.54 |
| 23 09 23 53-0161 | EA | Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX)<br>Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service. | 10,868.53 | 615.54 |
| 23 09 23 53-0162 | EA | Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ)<br>Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle. | 14,682.83 | 615.54 |
| 23 09 23 53-0163 | | EMCS Network Interfaces *(23 09 23 53-0141)*<br>Note: Includes installation, start-up and tech labor. | | |
| 23 09 23 53-0164 | EA | Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001)<br>Note: For desktop computer. | 1,850.87 | 170.46 |
| 23 09 23 53-0165 | EA | Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009)<br>Note: For laptop computer. | 1,573.25 | 113.64 |
| 23 09 23 53-0166 | EA | FTT-10 To FTT-10 Router (Honeywell Q7751A2010) | 2,005.82 | 213.14 |
| 23 09 23 53-0167 | EA | 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002) | 3,078.83 | 307.84 |
| 23 09 23 53-0168 | EA | Two Way Lon Repeater (Honeywell Q7740A1008) | 1,583.58 | 307.84 |
| 23 09 23 53-0169 | EA | FTT Termination Module For Network Bus (Honeywell 209541B) | 113.70 | 37.88 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 09 23 53-0170** | | **DDC Application Specific Controller Assemblies** *(23 09 23 53-0141)*<br>Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor. | | |
| 23 09 23 53-0171 | EA | Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies | 2,932.64 | 696.08 |
| 23 09 23 53-0172 | EA | >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies | 2,459.14 | 411.98 |
| 23 09 23 53-0173 | EA | Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies | 3,131.51 | 815.40 |
| 23 09 23 53-0174 | EA | >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies | 2,658.01 | 531.30 |
| 23 09 23 53-0175 | EA | Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies | 3,463.11 | 852.37 |
| 23 09 23 53-0176 | EA | >10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies | 3,107.93 | 638.65 |
| 23 09 23 53-0177 | EA | Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies | 3,676.16 | 980.21 |
| 23 09 23 53-0178 | EA | >10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies | 3,292.53 | 750.14 |
| 23 09 23 53-0179 | EA | Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies | 2,592.23 | 695.98 |
| 23 09 23 53-0180 | EA | >10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies | 2,118.73 | 411.98 |
| 23 09 23 53-0181 | EA | Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies | 2,852.71 | 852.37 |
| 23 09 23 53-0182 | EA | >10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies | 2,379.09 | 568.20 |
| 23 09 23 53-0183 | EA | Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies | 3,470.42 | 707.44 |
| 23 09 23 53-0184 | EA | >10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies | 2,987.46 | 578.29 |
| 23 09 23 53-0185 | EA | Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies | 3,730.90 | 980.20 |
| 23 09 23 53-0186 | EA | >10 Field Installed Application Specific Fan Coil Unit Controller Assemblies | 3,247.82 | 651.53 |
| 23 09 23 53-0187 | EA | Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies | 4,393.13 | 980.20 |
| 23 09 23 53-0188 | EA | >10 Factory Installed Application Specific Unit Ventilator Controller Assemblies | 3,962.31 | 626.28 |
| 23 09 23 53-0189 | EA | Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies | 4,914.11 | 980.20 |
| 23 09 23 53-0190 | EA | >10 Field Installed Application Specific Unit Ventilator Controller Assemblies | 4,483.16 | 733.61 |
| **23 09 23 53-0191** | | **DDC Programmable Controller Assemblies** *(23 09 23 53-0141)*<br>Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components. | | |
| 23 09 23 53-0192 | EA | 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies | 2,974.28 | 752.92 |
| 23 09 23 53-0193 | EA | Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies | 3,463.94 | 752.92 |
| 23 09 23 53-0194 | EA | 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies | 4,656.79 | 885.50 |
| 23 09 23 53-0195 | EA | Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies | 5,146.45 | 885.50 |
| 23 09 23 53-0196 | EA | 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies | 8,525.65 | 1,037.02 |
| 23 09 23 53-0197 | EA | Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies | 9,091.68 | 1,037.02 |
| **23 09 23 53-0198** | | **EMCS Optional DDC Controller Hardware** *(23 09 23 53-0141)*<br>Note: Used to expand the capacity of DDC programmable controller assemblies. | | |
| 23 09 23 53-0199 | EA | 6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005)<br>Note: For constant volume single zone and heat pump AHUs. | 588.80 | |
| 23 09 23 53-0200 | EA | 6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011)<br>Note: For constant volume single zone and heat pump AHUs. | 680.48 | |
| 23 09 23 53-0201 | EA | 3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001)<br>Note: For constant volume single zone and heat pump AHUs. | 712.76 | |
| 23 09 23 53-0202 | EA | VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010) | 672.73 | |
| 23 09 23 53-0203 | EA | VAV Controller With Internally Wired Subbase (Honeywell W7751D2016) | 683.06 | |
| 23 09 23 53-0204 | EA | VAV Controller With Externally Wired Subbase (Honeywell W7751F2011) | 667.57 | |
| 23 09 23 53-0205 | EA | VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025) | 574.60 | |
| 23 09 23 53-0206 | EA | VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004) | 499.71 | |
| 23 09 23 53-0207 | EA | Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002) | 732.13 | |
| 23 09 23 53-0208 | EA | Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000) | 654.66 | |
| 23 09 23 53-0209 | EA | Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002) | 723.09 | |
| 23 09 23 53-0210 | EA | Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011) | 1,535.28 | |
| 23 09 23 53-0211 | EA | Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017) | 1,909.74 | |
| 23 09 23 53-0212 | EA | Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002) | 954.22 | |
| 23 09 23 53-0213 | EA | Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010) | 940.02 | |
| 23 09 23 53-0214 | EA | Hydronic Controller Without Wall Module (Honeywell W7762B1027) | 460.97 | |
| 23 09 23 53-0215 | EA | Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016) | 524.24 | |
| 23 09 23 53-0216 | EA | IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001) | 968.43 | |
| 23 09 23 53-0217 | EA | IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001) | 1,035.57 | |
| 23 09 23 53-0218 | EA | AI Module (Honeywell XFL521B) | 648.20 | |
| 23 09 23 53-0219 | EA | AO Module (Honeywell XFL522B) | 648.20 | |
| 23 09 23 53-0220 | EA | DI Module (Honeywell XFL523B) | 648.20 | |
| 23 09 23 53-0221 | EA | DO Module (Honeywell XFL524B) | 648.20 | |
| 23 09 23 53-0222 | EA | Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511) | 114.92 | |
| 23 09 23 53-0223 | EA | Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513) | 216.93 | |
| 23 09 23 53-0224 | EA | Distributed IO, Terminal Block For DO Modules (Honeywell XSL514) | 213.05 | |
| 23 09 23 53-0225 | EA | Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI) | 652.07 | |
| 23 09 23 53-0226 | EA | Lon Hub (Honeywell XIO-HUB) | 96.84 | |
| 23 09 23 53-0227 | EA | Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO) | 652.07 | |
| 23 09 23 53-0228 | EA | Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI) | 600.42 | |
| 23 09 23 53-0229 | EA | Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO) | 600.42 | |
| 23 09 23 53-0230 | EA | Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC) | 632.71 | |
| 23 09 23 53-0231 | EA | Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000) | 632.71 | |
| 23 09 23 53-0232 | EA | Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI) | 910.32 | |
| 23 09 23 53-0233 | EA | 16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16)<br>Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs. | 1,074.31 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0234 | EA | 34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)<br>Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs. | 2,282.90 | |
| 23 09 23 53-0235 | | Computer Equipment And Printers *(23 09 23 53-0141)* | | |
| 23 09 23 53-0236 | | EMCS Software *(23 09 23 53-0140)* | | |
| 23 09 23 53-0237 | | Software Packages And License *(23 09 23 53-0236)*<br>Note: Includes installation on equipment. | | |
| 23 09 23 53-0238 | EA | On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB)<br>Note: Requires UI services to be installed on NAC. | 728.26 | |
| 23 09 23 53-0239 | EA | Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX)<br>Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity. | 2,761.19 | |
| 23 09 23 53-0240 | EA | WEBStation-AX Software For Windows (Honeywell WEB-S-AX)<br>Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX). | 8,134.78 | |
| 23 09 23 53-0241 | EA | Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS)<br>Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database. | 4,842.13 | |
| 23 09 23 53-0242 | EA | Upgrade Small Building To Large Building Software<br>Note: Upgrade WEB-S-AX-SBS to WEB-S-AX. | 5,472.78 | |
| 23 09 23 53-0243 | EA | Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W)<br>Note: One copy is included with WEB-S-AX and WEBStation-AX. | 3,824.31 | |
| 23 09 23 53-0244 | EA | WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX)<br>Note: Includes license for 10 points of $E^2$ Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional $E^2$ Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project. | 6,852.26 | |
| 23 09 23 53-0245 | EA | Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two $E^2$ Profiler Points (Honeywell WES-CP-AX)<br>Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters. | 854.47 | |
| 23 09 23 53-0246 | EA | Perpetual License For One Point Of $E^2$ Profiler (Honeywell WES-E2-AX)<br>Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters. | 551.03 | |
| 23 09 23 53-0247 | EA | Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters<br>Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX. | 37,330.57 | |
| 23 09 23 53-0248 | EA | Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX)<br>Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually. | 34,045.61 | |
| 23 09 23 53-0249 | EA | Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX) | 12,971.75 | |
| 23 09 23 53-0250 | EA | Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS) | 9,679.10 | |
| 23 09 23 53-0251 | EA | Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500) | 2,798.11 | |
| 23 09 23 53-0252 | EA | Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500) | 2,798.11 | |
| 23 09 23 53-0253 | EA | Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL)<br>Note: Excludes Oracle. | 19,368.52 | |
| 23 09 23 53-0254 | EA | Open System Driver Option (Honeywell WS-SNMP-500)<br>Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option. | 2,582.47 | |
| 23 09 23 53-0255 | EA | Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500) | 2,798.11 | |
| 23 09 23 53-0256 | EA | WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003)<br>Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes. | 7,317.43 | |
| 23 09 23 53-0257 | EA | WEBStation Additional Node (Honeywell ZW2000B1002) | 2,798.11 | |
| 23 09 23 53-0258 | EA | WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001) | 46,915.73 | |
| 23 09 23 53-0259 | EA | WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000) | 86,082.76 | |
| 23 09 23 53-0260 | EA | WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009) | 150,644.51 | |
| 23 09 23 53-0261 | EA | Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008) | 7,747.41 | |
| 23 09 23 53-0262 | EA | Additional Master WEBStation Software Licenses (Honeywell ZW200G1007) | 3,873.70 | |
| 23 09 23 53-0263 | EA | Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001) | 3,028.91 | |
| 23 09 23 53-0264 | EA | Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055)<br>Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity. | 3,342.24 | |
| 23 09 23 53-0265 | | Initial Database Generation *(23 09 23 53-0236)* | | |
| 23 09 23 53-0266 | PNT | Database Generation For Central Plant | 84.72 | |
| 23 09 23 53-0267 | PNT | Database Generation For Programmable Controller<br>Note: For VAV AHU, large CV AHU, or heat exchanger, etc. | 84.72 | |
| 23 09 23 53-0268 | EA | Database Generation For Application Specific Controller<br>Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment. | 84.72 | |
| 23 09 23 53-0269 | EA | Replication Of Database Generation For Application Specific Controller<br>Note: Price per copy made. | 58.97 | |
| 23 09 23 53-0270 | EA | Database Generation For Remote IO Modules, Sensors, Etcetera | 58.97 | |
| 23 09 23 53-0271 | | Application Software Programs *(23 09 23 53-0236)* | | |
| 23 09 23 53-0272 | EA | Optimum Start/Stop Program<br>Note: Priced per controller requiring optimum start programming. | 118.19 | |
| 23 09 23 53-0273 | EA | Duty Cycling Program | 55.81 | |
| 23 09 23 53-0274 | EA | Demand Limiting Program<br>Note: Priced per controller requiring optimum start programming. | 103.66 | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 09 23 53-0275** | | **Color Graphics Generation** *(23 09 23 53-0236)*<br>Note: Priced per page. | | |
| 23 09 23 53-0276 | EA | Single Site Home Page Graphics Page With HTML Navigation Code | 2,118.49 | |
| 23 09 23 53-0277 | EA | Multi Site Home Page Graphics Page With HTML Navigation Code | 3,761.30 | |
| 23 09 23 53-0278 | EA | Color Graphics Page For Central Plant | 962.52 | |
| 23 09 23 53-0279 | EA | Color Graphics Page For Building Floor Plan | 888.78 | |
| 23 09 23 53-0280 | EA | Replication Of Color Graphics Page For Central Plant | 482.84 | |
| 23 09 23 53-0281 | EA | Color Graphics Page For Programmable Controller<br>Note: For VAV AHU, large CV AHU, or heat exchanger, etc. | 1,082.85 | |
| 23 09 23 53-0282 | EA | Replication Of Color Graphics Page For Programmable Controller<br>Note: Priced per copy made. | 231.57 | |
| 23 09 23 53-0283 | EA | Color Graphics Page For Application Specific Controller<br>Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment. | 1,001.54 | |
| 23 09 23 53-0284 | EA | Replication Of Color Graphics Page For Application Specific Cont<br>Note: Priced per copy made. | 100.13 | |
| **23 09 23 53-0285** | | **Sensors, Actuators And Control Devices** *(23 09 23 53-0140)*<br>Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts. | | |
| **23 09 23 53-0286** | | **Special Sensors** *(23 09 23 53-0285)* | | |
| 23 09 23 53-0287 | EA | Dewpoint Sensor (Honeywell C7232B1014) | 2,310.17 | 78.16 |
| 23 09 23 53-0288 | EA | Enthalpy Sensor -25 To 125 F | 2,411.33 | 78.16 |
| 23 09 23 53-0289 | EA | Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002) | 1,068.73 | 156.32 |
| 23 09 23 53-0290 | EA | Freezestat (Honeywell L482A1004) | 730.60 | 260.48 |
| 23 09 23 53-0291 | EA | Wall Mounted Occupancy Sensor | 530.77 | 78.16 |
| 23 09 23 53-0292 | EA | Ceiling Mounted Occupancy Sensor | 419.25 | 78.16 |
| 23 09 23 53-0293 | EA | I/P Positioner With Gauge | 494.19 | 78.16 |
| 23 09 23 53-0294 | EA | Non-Communicating Duct Mounted Smoke Detector With Sampling Tube | 591.34 | 78.16 |
| 23 09 23 53-0295 | EA | EP Transducer | 494.19 | 52.15 |
| 23 09 23 53-0296 | EA | Electric Heat Sequencer | 781.72 | 104.16 |
| **23 09 23 53-0297** | | **Meters** *(23 09 23 53-0285)* | | |
| 23 09 23 53-0298 | EA | 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer | 5,042.72 | 625.02 |
| 23 09 23 53-0299 | EA | 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface | 7,303.23 | 729.18 |
| 23 09 23 53-0300 | EA | 1 To 300 Amperes, Current Transformer For KW Meter | 1,741.72 | 260.48 |
| 23 09 23 53-0301 | EA | 300 To 800 Amperes, Current Transformer For KW Meter | 2,002.35 | 260.48 |
| 23 09 23 53-0302 | EA | 800 To 2,400 Amperes, Current Transformer For KW Meter | 2,502.19 | 260.48 |
| **23 09 23 53-0303** | | **Direct Coupled Actuators** *(23 09 23 53-0285)* | | |
| 23 09 23 53-0304 | EA | 44 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002) | 689.49 | 105.28 |
| 23 09 23 53-0305 | EA | 88 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200) | 762.92 | 105.28 |
| 23 09 23 53-0306 | EA | 175 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209) | 889.17 | 105.28 |
| 23 09 23 53-0307 | EA | 44 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008) | 646.52 | 105.28 |
| 23 09 23 53-0308 | EA | 88 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206) | 725.49 | 105.28 |
| 23 09 23 53-0309 | EA | 175 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205) | 803.69 | 105.28 |
| 23 09 23 53-0310 | EA | 44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator | 729.81 | 105.28 |
| 23 09 23 53-0311 | EA | 88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206) | 842.41 | 105.28 |
| 23 09 23 53-0312 | EA | 175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205) | 963.94 | 105.28 |
| 23 09 23 53-0313 | EA | 44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209) | 587.94 | 105.28 |
| 23 09 23 53-0314 | EA | 88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209) | 647.90 | 105.28 |
| 23 09 23 53-0315 | EA | 175 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200) | 768.35 | 105.28 |
| 23 09 23 53-0316 | EA | 175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007) | 825.05 | 105.28 |
| 23 09 23 53-0317 | EA | 300 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030) | 824.34 | 105.28 |
| 23 09 23 53-0318 | EA | 300 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008) | 979.82 | 105.28 |
| 23 09 23 53-0319 | EA | Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018) | 612.51 | 105.28 |
| 23 09 23 53-0320 | EA | Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368) | 1,081.53 | 105.28 |
| 23 09 23 53-0321 | EA | Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator | 458.30 | 105.28 |
| 23 09 23 53-0322 | EA | Direct Coupled Damper Actuator Enclosure For Outdoor Use | 702.78 | 105.28 |
| **23 09 23 53-0323** | | **Two Way Pneumatic Control Valves, Normally Closed** *(23 09 23 53-0285)*<br>Note: Air-to-open 3-15 PSI operation, bronze body with 316 stainless steel trim (Dwyer Taylor hi-flow control valves with Lin-E-Aire actuator) | | |
| 23 09 23 53-0324 | EA | 1/2" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 125 PSI | 1,400.07 | 62.30 |
| | | *For Low Pressure Steam, Add* | *127.55* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0325 | EA | 3/4" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 125 PSI | 1,472.63 | 73.18 |
| | | *For Low Pressure Steam, Add* | *132.63* | |
| 23 09 23 53-0326 | EA | 1" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 125 PSI | 1,599.46 | 83.61 |
| | | *For Low Pressure Steam, Add* | *143.22* | |
| 23 09 23 53-0327 | EA | 1-1/4" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 98 PSI | 1,711.11 | 88.77 |
| | | *For Low Pressure Steam, Add* | *153.37* | |
| 23 09 23 53-0328 | EA | 1-1/4" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 125 PSI | 1,834.69 | 88.77 |
| | | *For Low Pressure Steam, Add* | *165.73* | |
| 23 09 23 53-0329 | EA | 1-1/2" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 95 PSI | 1,912.01 | 97.55 |
| | | *For Low Pressure Steam, Add* | *171.68* | |
| 23 09 23 53-0330 | EA | 1-1/2" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 168 PSI | 2,057.66 | 97.55 |
| | | *For Low Pressure Steam, Add* | *186.25* | |
| 23 09 23 53-0331 | EA | 2" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 31 PSI | 2,098.71 | 112.66 |
| | | *For Low Pressure Steam, Add* | *187.35* | |
| 23 09 23 53-0332 | EA | 2" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 88 PSI | 2,244.36 | 112.66 |
| | | *For Low Pressure Steam, Add* | *201.92* | |
| 23 09 23 53-0333 | EA | 2" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 175 PSI | 2,749.70 | 112.66 |
| | | *For Low Pressure Steam, Add* | *252.45* | |

### 23 09 23 53-0334 Plastic, Two Way, Pneumatic Activated *(23 09 23 53-0285)*

### 23 09 23 53-0335 Polyvinyl Chloride (PVC) Butterfly Valve With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 09 23 53-0334)*

Note: With NEMA 4X housing.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0336 | EA | 1-1/2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 3,089.32 | 36.88 |
| | | *For Low Pressure Steam, Add* | *301.55* | |
| 23 09 23 53-0337 | EA | 2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 3,103.35 | 43.91 |
| | | *For Low Pressure Steam, Add* | *301.55* | |
| 23 09 23 53-0338 | EA | 3" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 3,323.88 | 117.10 |
| | | *For Low Pressure Steam, Add* | *309.01* | |
| 23 09 23 53-0339 | EA | 4" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 3,385.15 | 175.66 |
| | | *For Low Pressure Steam, Add* | *303.33* | |
| 23 09 23 53-0340 | EA | 6" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 3,683.38 | 234.21 |
| | | *For Low Pressure Steam, Add* | *321.42* | |
| 23 09 23 53-0341 | EA | 8" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 4,269.36 | 263.48 |
| | | *For Low Pressure Steam, Add* | *374.28* | |

### 23 09 23 53-0342 Polyvinyl Chloride (PVC) Butterfly Valve With Viton Liner And Seals *(23 09 23 53-0334)*

Note: With NEMA 4X housing.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0343 | EA | 1-1/2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 3,170.92 | 36.88 |
| | | *For Low Pressure Steam, Add* | *309.71* | |
| 23 09 23 53-0344 | EA | 2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 3,184.95 | 43.91 |
| | | *For Low Pressure Steam, Add* | *309.71* | |
| 23 09 23 53-0345 | EA | 3" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 3,401.93 | 117.10 |
| | | *For Low Pressure Steam, Add* | *316.81* | |
| 23 09 23 53-0346 | EA | 4" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 3,754.11 | 175.66 |
| | | *For Low Pressure Steam, Add* | *340.22* | |
| 23 09 23 53-0347 | EA | 6" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 4,939.26 | 234.21 |
| | | *For Low Pressure Steam, Add* | *447.01* | |
| 23 09 23 53-0348 | EA | 8" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 6,369.60 | 263.48 |
| | | *For Low Pressure Steam, Add* | *584.31* | |

### 23 09 23 53-0349 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0334)*

Note: With NEMA 4X housing.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0350 | EA | 1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve | 1,728.13 | 62.06 |
| | | *For Low Pressure Steam, Add* | *160.36* | |
| 23 09 23 53-0351 | EA | 3/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve | 1,817.35 | 73.18 |
| | | *For Low Pressure Steam, Add* | *167.10* | |
| 23 09 23 53-0352 | EA | 1" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve | 1,905.66 | 83.73 |
| | | *For Low Pressure Steam, Add* | *173.84* | |
| 23 09 23 53-0353 | EA | 1-1/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve | 2,327.34 | 89.00 |
| | | *For Low Pressure Steam, Add* | *214.99* | |
| 23 09 23 53-0354 | EA | 1-1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve | 2,345.08 | 97.78 |
| | | *For Low Pressure Steam, Add* | *214.99* | |
| 23 09 23 53-0355 | EA | 2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve | 2,811.46 | 112.42 |
| | | *For Low Pressure Steam, Add* | *258.63* | |

### 23 09 23 53-0356 Chlorinated Polyvinyl Chloride (CPVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0334)*

Note: With NEMA 4X housing.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0357 | EA | 1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve | 1,926.80 | 62.06 |
| | | *For Low Pressure Steam, Add* | *180.22* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0358 | EA | 3/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve | 2,051.49 | 73.18 |
| | | *For Low Pressure Steam, Add* | *190.51* | |
| 23 09 23 53-0359 | EA | 1" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve | 2,161.10 | 83.73 |
| | | *For Low Pressure Steam, Add* | *199.38* | |
| 23 09 23 53-0360 | EA | 1-1/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve | 2,667.92 | 89.00 |
| | | *For Low Pressure Steam, Add* | *249.05* | |
| 23 09 23 53-0361 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve | 2,685.66 | 97.78 |
| | | *For Low Pressure Steam, Add* | *249.05* | |
| 23 09 23 53-0362 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve | 3,105.92 | 112.42 |
| | | *For Low Pressure Steam, Add* | *288.07* | |

### 23 09 23 53-0363 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0334)*

Note: With VITON seals.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0364 | EA | 1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals | 744.59 | 62.06 |
| | | *For Low Pressure Steam, Add* | *62.05* | |
| 23 09 23 53-0365 | EA | 3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals | 828.67 | 73.18 |
| | | *For Low Pressure Steam, Add* | *68.23* | |
| 23 09 23 53-0366 | EA | 1" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals | 902.76 | 83.73 |
| | | *For Low Pressure Steam, Add* | *73.53* | |
| 23 09 23 53-0367 | EA | 1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals | 1,196.97 | 88.41 |
| | | *For Low Pressure Steam, Add* | *102.01* | |
| 23 09 23 53-0368 | EA | 1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals | 1,202.82 | 91.34 |
| | | *For Low Pressure Steam, Add* | *102.01* | |
| 23 09 23 53-0369 | EA | 2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals | 1,512.51 | 105.98 |
| | | *For Low Pressure Steam, Add* | *130.06* | |

### 23 09 23 53-0370 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0334)*

Note: With PTFE seals.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0371 | EA | 1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals | 799.79 | 62.06 |
| | | *For Low Pressure Steam, Add* | *67.57* | |
| 23 09 23 53-0372 | EA | 3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals | 879.48 | 73.18 |
| | | *For Low Pressure Steam, Add* | *73.31* | |
| 23 09 23 53-0373 | EA | 1" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals | 951.32 | 83.73 |
| | | *For Low Pressure Steam, Add* | *78.39* | |
| 23 09 23 53-0374 | EA | 1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals | 1,232.31 | 88.41 |
| | | *For Low Pressure Steam, Add* | *105.55* | |
| 23 09 23 53-0375 | EA | 1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals | 1,238.16 | 91.34 |
| | | *For Low Pressure Steam, Add* | *105.55* | |
| 23 09 23 53-0376 | EA | 2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals | 1,536.81 | 105.98 |
| | | *For Low Pressure Steam, Add* | *132.49* | |

### 23 09 23 53-0377 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0334)*

Note: With ethylene propylene diene monomer (EPDM) seals.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0378 | EA | 1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals | 662.92 | 62.06 |
| | | *For Low Pressure Steam, Add* | *53.88* | |
| 23 09 23 53-0379 | EA | 3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals | 727.10 | 73.18 |
| | | *For Low Pressure Steam, Add* | *58.07* | |
| 23 09 23 53-0380 | EA | 1" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals | 790.15 | 83.73 |
| | | *For Low Pressure Steam, Add* | *62.27* | |
| 23 09 23 53-0381 | EA | 1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals | 1,060.07 | 88.41 |
| | | *For Low Pressure Steam, Add* | *88.32* | |
| 23 09 23 53-0382 | EA | 1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals | 1,065.92 | 91.34 |
| | | *For Low Pressure Steam, Add* | *88.32* | |
| 23 09 23 53-0383 | EA | 2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals | 1,342.51 | 105.98 |
| | | *For Low Pressure Steam, Add* | *113.06* | |

### 23 09 23 53-0384 Three-Way Modular Polyvinyl Chloride (PVC) Ball Valve *(23 09 23 53-0334)*

Note: Equipped for actuator.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0385 | EA | 1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket | 153.20 | 21.08 |
| 23 09 23 53-0386 | EA | 3/4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket | 177.65 | 25.76 |
| 23 09 23 53-0387 | EA | 1" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket | 191.79 | 27.52 |
| 23 09 23 53-0388 | EA | 1-1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket | 359.87 | 41.57 |
| 23 09 23 53-0389 | EA | 2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket | 540.53 | 84.90 |
| 23 09 23 53-0390 | EA | 3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket | 1,128.23 | 117.10 |
| 23 09 23 53-0391 | EA | 4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket | 2,114.49 | 175.66 |
| 23 09 23 53-0392 | EA | 2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged | 849.18 | 84.90 |
| 23 09 23 53-0393 | EA | 3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged | 1,678.87 | 199.08 |
| 23 09 23 53-0394 | EA | 4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged | 3,047.08 | 333.74 |

### 23 09 23 53-0395 Electric Activated Plastic Control Valves *(23 09 23 53-0285)*

Note: Includes motor.

### 23 09 23 53-0396 Two Way Plastic Electric Control Valves With Electric Actuator *(23 09 23 53-0395)*

Note: With NEMA 4X housing.

### 23 09 23 53-0397 Two Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0396)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0398 | EA | 1/2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC) | 914.93 | 19.32 |
| 23 09 23 53-0399 | EA | 3/4" Two Way Electric Control Valve, Polyvinyl Chloride (PVC) | 940.87 | 23.42 |
| 23 09 23 53-0400 | EA | 1" Two Way Electric Control Valve, Polyvinyl Chloride (PVC) | 979.85 | 25.18 |
| 23 09 23 53-0401 | EA | 1-1/4" Two Way Electric Control Valve, Polyvinyl Chloride (PVC) | 1,038.75 | 36.88 |
| 23 09 23 53-0402 | EA | 1-1/2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC) | 1,038.75 | 36.88 |
| 23 09 23 53-0403 | EA | 2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC) | 1,130.83 | 43.91 |
| **23 09 23 53-0404** | | **Two Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator** *(23 09 23 53-0396)* | | |
| 23 09 23 53-0405 | EA | 1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) | 978.79 | 19.32 |
| 23 09 23 53-0406 | EA | 3/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) | 1,004.73 | 23.42 |
| 23 09 23 53-0407 | EA | 1" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) | 1,068.54 | 25.18 |
| 23 09 23 53-0408 | EA | 1-1/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) | 1,141.64 | 36.88 |
| 23 09 23 53-0409 | EA | 1-1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) | 1,141.64 | 36.88 |
| 23 09 23 53-0410 | EA | 2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) | 1,262.10 | 43.91 |
| **23 09 23 53-0411** | | **Three Way Plastic Electric Control Valves With Electric Actuator** *(23 09 23 53-0395)* Note: With NEMA 4X housing. | | |
| **23 09 23 53-0412** | | **Three Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator** *(23 09 23 53-0411)* | | |
| 23 09 23 53-0413 | EA | 1/2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC) | 982.30 | 21.08 |
| 23 09 23 53-0414 | EA | 3/4" Three Way Electric Control Valve, Polyvinyl Chloride (PVC) | 1,009.40 | 25.76 |
| 23 09 23 53-0415 | EA | 1" Three Way Electric Control Valve, Polyvinyl Chloride (PVC) | 1,059.03 | 27.52 |
| 23 09 23 53-0416 | EA | 1-1/2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC) | 1,253.87 | 41.57 |
| 23 09 23 53-0417 | EA | 2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC) | 1,507.69 | 84.90 |
| **23 09 23 53-0418** | | **Three Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator** *(23 09 23 53-0411)* | | |
| 23 09 23 53-0419 | EA | 1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) | 1,035.52 | 21.08 |
| 23 09 23 53-0420 | EA | 3/4" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) | 1,076.81 | 25.76 |
| 23 09 23 53-0421 | EA | 1" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) | 1,133.53 | 27.52 |
| 23 09 23 53-0422 | EA | 1-1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) | 1,363.85 | 41.57 |
| 23 09 23 53-0423 | EA | 2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) | 1,667.34 | 84.90 |
| **23 09 23 53-0424** | | **Two Way Plastic Electric Control Butterfly Valves** *(23 09 23 53-0395)* Note: Includes electric actuator. With NEMA 4X housing. | | |
| **23 09 23 53-0425** | | **Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals** *(23 09 23 53-0424)* | | |
| 23 09 23 53-0426 | EA | 1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 3,202.85 | 36.88 |
| 23 09 23 53-0427 | EA | 2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 3,216.88 | 43.91 |
| 23 09 23 53-0428 | EA | 3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 3,401.93 | 117.10 |
| 23 09 23 53-0429 | EA | 4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 4,112.43 | 175.66 |
| 23 09 23 53-0430 | EA | 6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 4,541.92 | 234.21 |
| 23 09 23 53-0431 | EA | 8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals | 5,127.91 | 263.48 |
| **23 09 23 53-0432** | | **Polyvinyl Chloride (PVC) With Viton Liner And Seals** *(23 09 23 53-0424)* | | |
| 23 09 23 53-0433 | EA | 1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 3,603.74 | 36.88 |
| 23 09 23 53-0434 | EA | 2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 3,617.77 | 43.91 |
| 23 09 23 53-0435 | EA | 3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 3,834.75 | 117.10 |
| 23 09 23 53-0436 | EA | 4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 4,729.73 | 175.66 |
| 23 09 23 53-0437 | EA | 6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 5,584.94 | 234.21 |
| 23 09 23 53-0438 | EA | 8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals | 6,873.38 | 263.48 |
| **23 09 23 53-0439** | | **CO2 Sensors** *(23 09 23 53-0285)* | | |
| 23 09 23 53-0440 | EA | CO2 Sensors Field Equipment, Sensors | 521.99 | 47.37 |
| **23 09 23 53-0441** | | **Switches** *(23 09 23 53-0285)* | | |
| 23 09 23 53-0442 | EA | Air Pressure/Static Switch Field Equipment, Switches | 295.34 | 59.22 |
| 23 09 23 53-0443 | EA | Water Pressure/Flow Switch Field Equipment, Switches | 345.89 | 59.22 |
| **23 09 23 53-0444** | | **Miscellaneous Devices** *(23 09 23 53-0285)* | | |
| 23 09 23 53-0445 | EA | Contactor 20 Amperes, Field Equipment | 323.37 | 94.55 |
| 23 09 23 53-0446 | EA | Contactor 30 Amperes, Field Equipment | 493.83 | 126.07 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0447 | | **Network Manager Main Controller** *(23 09 23 53-0285)* | | |
| | | Note: Landis & Staefa. | | |
| 23 09 23 53-0448 | EA | Network Manager, Without Enclosure (NCRE/A) | 16,887.88 | 756.41 |
| 23 09 23 53-0449 | | **Control Cards (Smart-cards)** *(23 09 23 53-0285)* | | |
| | | Note: Landis & Staefa. | | |
| 23 09 23 53-0450 | EA | Smart-Card With Base And Cover (091-60230-410) | 1,219.29 | 126.07 |
| 23 09 23 53-0451 | | **Data Transmission Media** *(23 09 23 53-0285)* | | |
| 23 09 23 53-0452 | | **Terminal Equipment Controllers** *(23 09 23 53-0451)* | | |
| | | Note: Landis & Staefa. | | |
| 23 09 23 53-0453 | EA | TEC, Variable Air Volume Without Heating Hot Water Valve | 3,796.49 | 584.11 |
| | | Note: Includes temperature sensors and damper actuator. | | |
| | | *For No Smart-Card, Deduct* | *-391.00* | |
| 23 09 23 53-0454 | EA | TEC, Variable Air Volume With Heating Hot Water Valve | 4,406.82 | 584.11 |
| | | Note: Includes temperature sensors, water valve actuator and damper actuator. | | |
| | | *For No Smart-Card, Deduct* | *-391.00* | |
| 23 09 23 53-0455 | | **Remote Monitoring** *(23 09 23 53-0285)* | | |
| 23 09 23 53-0456 | EA | Advantech ADAM-6015 Analog Module | 1,086.15 | 94.55 |
| | | Note: For RTDs. | | |
| 23 09 23 53-0457 | EA | Advantech ADAM-6050 Digital Module | 650.38 | 94.55 |
| | | Note: For pumps and DI. | | |
| 23 09 23 53-0458 | EA | Ethernet Serial Server (B&B Electronics ESR-901) | 701.64 | 94.55 |
| | | Note: For chiller, boiler and access controls. | | |
| 23 09 23 53-0459 | EA | Lantronix UDS-10 Ethernet Serial Server | 501.80 | 94.55 |
| | | Note: For fire alarm. | | |
| 23 09 23 53-0460 | EA | 24 Volt DC, 2.5 Amperes, Power Supply (B&B Electronics DR-60-24) | 381.35 | 94.55 |
| 23 09 23 53-0461 | EA | 8 Port Ethernet Switch (B&B Electronics EIR-308) | 957.98 | 94.55 |
| 23 09 23 53-0462 | EA | Pyromation RTD R1T185 | 440.31 | 94.55 |
| | | Note: Pyromation R1T185L483-WI4D0408C8-SL-8HN-63 100 ohm Pt. RTD -200 to 204 Deg C. | | |
| 23 09 23 53-0463 | EA | Hoffman 36" x 36" x 12" Enclosure Stainless Steel 316 With Panel | 9,468.44 | 151.28 |
| 23 09 23 53-0464 | EA | IFS-WPS Flow Switch (Potter 9000017) | 555.30 | 94.55 |
| 23 09 23 53-0465 | EA | Cleveland Controls AFS-222-112 Pressure SW | 265.36 | 94.55 |
| | | Note: For air handling unit. | | |
| 23 09 23 53-0466 | EA | Honeywell S7810M1003 Modbus Module | 1,231.11 | 94.55 |
| | | Note: For boiler. | | |
| 23 09 23 53-0467 | EA | FIREYE EPD160 EP Programmer Code 04 | 2,529.82 | 94.55 |
| | | Note: For boiler. | | |
| 23 09 23 53-0468 | EA | FIREYE E110 Flame Monitor | 1,593.95 | 94.55 |
| | | Note: For boiler. | | |
| 23 09 23 53-0469 | EA | FIREYE EPD260 EP Programmer Code 04 | 1,855.41 | 94.55 |
| | | Note: For boiler. | | |
| 23 09 23 53-0470 | EA | FIREYE E1R1 Amplifier Module | 1,295.13 | 94.55 |
| | | Note: For boiler. | | |
| 23 09 23 53-0471 | | **Thermostats** *(23 09 23 53-0140)* | | |
| 23 09 23 53-0472 | | **Electric And Electronic Thermostats** *(23 09 23 53-0471)* | | |
| | | Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point. | | |
| 23 09 23 53-0473 | EA | Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018) | 231.61 | 18.94 |
| 23 09 23 53-0474 | EA | Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320) | 250.22 | 18.94 |
| 23 09 23 53-0475 | EA | Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110) | 229.54 | 18.94 |
| 23 09 23 53-0476 | EA | Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220) | 257.87 | 18.94 |
| 23 09 23 53-0477 | EA | Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320) | 279.16 | 18.94 |
| 23 09 23 53-0478 | EA | Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321) | 415.62 | 18.94 |
| 23 09 23 53-0479 | EA | Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F) | 609.96 | 18.94 |
| 23 09 23 53-0480 | EA | Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H) | 994.21 | 18.94 |
| 23 09 23 53-0481 | EA | Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M) | 1,060.97 | 18.94 |
| 23 09 23 53-0482 | | **Pneumatic Thermostats** *(23 09 23 53-0471)* | | |
| | | Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point. | | |
| 23 09 23 53-0483 | EA | Pneumatic Thermostat (Honeywell TP970B2182) | 326.31 | 18.94 |
| 23 09 23 53-0484 | | **Thermostats Guards** *(23 09 23 53-0471)* | | |
| 23 09 23 53-0485 | EA | 9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009) | 78.09 | 18.94 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0486 | EA | 7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511) | 93.60 | 18.94 |
| 23 09 23 53-0487 | EA | 5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510) | 88.02 | 18.94 |
| **23 09 23 53-0488** | | **Johnson Controls** *(23 09 23 53)* | | |
| **23 09 23 53-0489** | | **Software** *(23 09 23 53-0488)* | | |
| | | Note: Excludes programming, set-up and commissioning of application. | | |
| 23 09 23 53-0490 | EA | 5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0) | 21,018.06 | |
| 23 09 23 53-0491 | EA | 10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0) | 24,860.97 | |
| 23 09 23 53-0492 | EA | N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0) | 1,206.20 | |
| 23 09 23 53-0493 | EA | N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2) | 1,839.52 | |
| 23 09 23 53-0494 | EA | BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0) | 3,276.21 | |
| 23 09 23 53-0495 | EA | BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0) | 1,216.92 | |
| 23 09 23 53-0496 | EA | New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0 ) | 1,209.69 | |
| 23 09 23 53-0497 | EA | Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6 ) | 426.34 | |
| **23 09 23 53-0498** | | **Supervisory Controllers** *(23 09 23 53-0488)* | | |
| 23 09 23 53-0499 | EA | NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2) | 8,997.95 | 505.06 |
| 23 09 23 53-0500 | EA | NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2) | 14,066.08 | 505.06 |
| 23 09 23 53-0501 | EA | NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1) | 19,145.45 | 505.06 |
| 23 09 23 53-0502 | EA | NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0) | 7,045.73 | 505.06 |
| **23 09 23 53-0503** | | **Controllers** *(23 09 23 53-0488)* | | |
| 23 09 23 53-0504 | EA | 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0) | 1,043.63 | 126.27 |
| 23 09 23 53-0505 | EA | 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0) | 1,381.57 | 252.53 |
| 23 09 23 53-0506 | EA | 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0) | 1,785.69 | 252.53 |
| 23 09 23 53-0507 | EA | 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0) | 2,123.62 | 252.53 |
| 23 09 23 53-0508 | EA | BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0) | 849.75 | 126.27 |
| 23 09 23 53-0509 | EA | BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0) | 935.92 | 126.27 |
| 23 09 23 53-0510 | EA | BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0) | 1,065.18 | 126.27 |
| 23 09 23 53-0511 | EA | 17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0) | 1,082.41 | 126.27 |
| 23 09 23 53-0512 | EA | BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2) | 2,211.54 | 252.53 |
| 23 09 23 53-0513 | EA | 32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0) | 1,059.30 | 126.27 |
| 23 09 23 53-0514 | EA | 32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) | 1,550.73 | 126.27 |
| | | Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications | | |
| **23 09 23 53-0515** | | **Master FX Controllers** *(23 09 23 53-0488)* | | |
| 23 09 23 53-0516 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C) | 2,804.30 | 252.53 |
| 23 09 23 53-0517 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C) | 3,008.50 | 252.53 |
| 23 09 23 53-0518 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C) | 3,109.97 | 252.53 |
| 23 09 23 53-0519 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C) | 3,048.30 | 252.53 |
| 23 09 23 53-0520 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C) | 2,951.93 | 252.53 |
| 23 09 23 53-0521 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C) | 2,967.38 | 252.53 |
| 23 09 23 53-0522 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C) | 2,951.93 | 252.53 |
| 23 09 23 53-0523 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C) | 3,008.72 | 252.53 |
| 23 09 23 53-0524 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C) | 3,185.07 | 252.53 |
| 23 09 23 53-0525 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C) | 3,302.63 | 252.53 |
| 23 09 23 53-0526 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C) | 3,243.85 | 252.53 |
| 23 09 23 53-0527 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C) | 3,123.52 | 252.53 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0528 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C) | 3,008.72 | 252.53 |
| 23 09 23 53-0529 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C) | 3,185.07 | 252.53 |
| 23 09 23 53-0530 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C) | 3,302.63 | 252.53 |
| 23 09 23 53-0531 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C) | 3,243.85 | 252.53 |
| 23 09 23 53-0532 | EA | 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C) | 3,123.52 | 252.53 |
| 23 09 23 53-0533 | EA | N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C) | 334.56 | 63.13 |
| 23 09 23 53-0534 | EA | LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C) | 479.23 | 63.13 |
| 23 09 23 53-0535 | EA | RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C) | 375.17 | 63.13 |
| 23 09 23 53-0536 | EA | BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C) | 334.56 | 63.13 |
| 23 09 23 53-0537 | EA | Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C) | 927.52 | 63.13 |
| 23 09 23 53-0538 | EA | Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C) | 853.10 | 63.13 |
| 23 09 23 53-0539 | EA | 5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C) | 870.52 | 63.13 |
| 23 09 23 53-0540 | EA | 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C) | 870.52 | 63.13 |
| 23 09 23 53-0541 | EA | 5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C) | 957.56 | 63.13 |
| 23 09 23 53-0542 | EA | 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C) | 957.56 | 63.13 |
| 23 09 23 53-0543 | EA | 6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C) | 1,207.79 | 63.13 |
| 23 09 23 53-0544 | EA | 6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C) | 1,207.79 | 63.13 |
| 23 09 23 53-0545 | EA | 6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C) | 1,349.23 | 63.13 |
| 23 09 23 53-0546 | EA | 6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C) | 1,349.23 | 63.13 |
| **23 09 23 53-0547** | | **VAV, Network And Special Sensors** *(23 09 23 53-0488)* | | |
| 23 09 23 53-0548 | EA | 3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0) | 638.03 | 40.41 |
| 23 09 23 53-0549 | EA | 3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0) | 210.72 | 40.41 |
| 23 09 23 53-0550 | EA | 3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0) | 492.86 | 40.41 |
| 23 09 23 53-0551 | EA | 3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0) | 739.27 | 40.41 |
| 23 09 23 53-0552 | EA | 3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0) | 242.72 | 40.41 |
| 23 09 23 53-0553 | EA | 3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0) | 669.79 | 40.41 |
| **23 09 23 53-0554** | | **Sensors - Hard Wired Type** *(23 09 23 53-0488)* | | |
| 23 09 23 53-0555 | EA | Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00) | 201.12 | 72.73 |
| 23 09 23 53-0556 | EA | Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0) | 174.14 | 40.41 |
| 23 09 23 53-0557 | EA | BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2)<br>Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment. | 495.70 | 18.94 |
| 23 09 23 53-0558 | EA | BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2)<br>Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability. | 672.55 | 18.94 |
| 23 09 23 53-0559 | EA | BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2)<br>Note: For VVT systems. | 496.67 | 18.94 |
| 23 09 23 53-0560 | EA | BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2) | 654.01 | 40.41 |
| 23 09 23 53-0561 | EA | BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR) | 807.06 | 40.41 |
| **23 09 23 53-0562** | | **Melink Intelli-Hood IH3 Controls** *(23 09 23 53)* | | |
| **23 09 23 53-0563** | | **Kitchen Ventilation Controllers** *(23 09 23 53-0562)* | | |
| 23 09 23 53-0564 | EA | Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001)<br>Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up. | 10,477.32 | 505.06 |
| 23 09 23 53-0565 | EA | Graphical User Interface (Melink Intelli-Hood 2KPD-3001)<br>Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller. | 2,002.36 | 104.16 |
| 23 09 23 53-0566 | EA | Hood Controller (Melink Intelli-Hood 2SEN-3001)<br>Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system. | 3,239.39 | 420.46 |
| **23 09 23 53-0567** | | **Kitchen Ventilation Sensors** *(23 09 23 53-0562)* | | |
| 23 09 23 53-0568 | EA | Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q)<br>Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector. | 587.50 | 72.73 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0569 | EA | Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) ..... Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly. | 5,066.32 | 404.05 |
| **23 09 23 53-0570** | | **Siemens Controls** *(23 09 23 53)* | | |
| 23 09 23 53-0571 | EA | Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083) ..... | 477.80 | 18.94 |
| 23 09 23 53-0572 | EA | Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085) ..... | 336.13 | 18.94 |
| 23 09 23 53-0573 | EA | SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575) ..... | 342.86 | 85.30 |
| 23 09 23 53-0574 | EA | -0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591) ..... | 524.04 | 85.30 |
| 23 09 23 53-0575 | EA | Spring Clip Mounting Kit For Thermostat (Siemens 182-685) ..... | 81.04 | 12.63 |
| 23 09 23 53-0576 | EA | Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001) ..... | 270.82 | 126.27 |
| 23 09 23 53-0577 | EA | 3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012) ..... | 438.44 | 20.37 |
| 23 09 23 53-0578 | EA | 1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079) ..... | 773.04 | 36.98 |
| 23 09 23 53-0579 | EA | 1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203) ..... | 1,567.46 | 36.98 |
| 23 09 23 53-0580 | EA | 1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006) ..... | 1,321.10 | 46.85 |
| 23 09 23 53-0581 | EA | 36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36) ..... | 344.42 | 72.73 |
| 23 09 23 53-0582 | EA | -58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768) ..... | 291.24 | 40.41 |
| 23 09 23 53-0583 | EA | Unit Conditioner Controller With Secure Mode (Siemens 540-110C) ..... | 637.68 | 59.60 |
| 23 09 23 53-0584 | EA | 9-Pin, Female To RJ-11 Cable (Siemens 540-143) ..... | 116.26 | 6.31 |
| 23 09 23 53-0585 | EA | Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800) ..... | 1,029.41 | 121.22 |
| 23 09 23 53-0586 | EA | MMI Extension Cable (Siemens 545-712) ..... | 183.48 | 6.31 |
| 23 09 23 53-0587 | EA | Remote Pressure Transmitter (Siemens 547-003) ..... | 1,542.31 | 40.41 |
| 23 09 23 53-0588 | EA | Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400) ..... | 944.51 | 30.30 |
| 23 09 23 53-0589 | EA | BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433) ..... | 817.08 | 80.81 |
| 23 09 23 53-0590 | EA | Door Lock And Key Assembly (Siemens 567-225) ..... | 44.68 | 25.25 |
| 23 09 23 53-0591 | EA | Insight Advanced Software Package (Siemens 571-010-381-USB) ..... Note: Includes one user license and one sentinel key. | 15,665.16 | |
| 23 09 23 53-0592 | EA | BACnet Client Option For Insight Advanced Software Package (Siemens 571-188) ..... | 546.23 | |
| 23 09 23 53-0593 | EA | Soft Controller Option For Insight Advanced Software Package (Siemens 571-620) ..... | 3,442.30 | |
| 23 09 23 53-0594 | EA | 1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059) ..... | 514.76 | 12.30 |
| 23 09 23 53-0595 | EA | 2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062) ..... | 1,086.11 | 21.31 |
| 23 09 23 53-0596 | EA | Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C) ..... | 10,289.43 | 50.51 |
| 23 09 23 53-0597 | EA | SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F) ..... | 12,123.53 | 50.51 |
| 23 09 23 53-0598 | EA | 7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U) ..... | 187.64 | 18.94 |
| 23 09 23 53-0599 | EA | Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U) ..... | 468.28 | 51.05 |
| 23 09 23 53-0600 | EA | Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U) ..... | 500.09 | 51.05 |
| 23 09 23 53-0601 | EA | License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A) ..... | 4,552.69 | |
| 23 09 23 53-0602 | EA | License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN) ..... | 919.31 | |
| 23 09 23 53-0603 | EA | License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A) ..... | 2,958.71 | |
| 23 09 23 53-0604 | EA | License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB) ..... | 2,118.02 | |
| 23 09 23 53-0605 | EA | License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A) ..... | 1,820.76 | |
| 23 09 23 53-0606 | EA | License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP) ..... | 5,382.98 | |
| 23 09 23 53-0607 | EA | 16-Switch HOA Upgrade Kit (Siemens PXA16-M) ..... | 855.77 | 2.53 |
| 23 09 23 53-0608 | EA | 16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR) ..... | 955.09 | 10.10 |
| 23 09 23 53-0609 | EA | 8-Switch HOA Upgrade Kit (Siemens PXA8-M) ..... | 483.80 | 2.53 |
| 23 09 23 53-0610 | EA | 18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18) ..... | 474.98 | 70.71 |
| 23 09 23 53-0611 | EA | 19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19) ..... | 831.99 | 70.71 |
| 23 09 23 53-0612 | EA | 34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34) ..... | 1,168.24 | 80.81 |
| 23 09 23 53-0613 | EA | Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5) ..... | 42.46 | 12.63 |
| 23 09 23 53-0614 | EA | 115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA) ..... | 842.92 | 31.57 |
| 23 09 23 53-0615 | EA | 115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA) ..... | 1,353.80 | 31.57 |
| 23 09 23 53-0616 | EA | 230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA) ..... | 1,031.14 | 31.57 |
| 23 09 23 53-0617 | EA | 230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA) ..... | 1,568.93 | 31.57 |
| 23 09 23 53-0618 | EA | PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A) ..... | 4,592.49 | 63.13 |
| 23 09 23 53-0619 | EA | PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A) ..... | 5,941.12 | 63.13 |
| 23 09 23 53-0620 | EA | Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A) ..... | 6,769.10 | 63.13 |
| 23 09 23 53-0621 | EA | 16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A) ..... | 1,859.41 | 63.13 |
| 23 09 23 53-0622 | EA | 16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A) ..... | 2,224.12 | 63.13 |
| 23 09 23 53-0623 | EA | 16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A) ..... | 1,982.47 | 63.13 |
| 23 09 23 53-0624 | EA | 24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A) ..... | 2,713.08 | 63.13 |
| 23 09 23 53-0625 | EA | 24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A) ..... | 2,964.90 | 63.13 |
| 23 09 23 53-0626 | EA | 24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A) ..... | 2,902.43 | 63.13 |
| 23 09 23 53-0627 | EA | 24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A) ..... | 3,128.06 | 63.13 |
| 23 09 23 53-0628 | EA | 24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A) ..... | 2,896.74 | 63.13 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0629 | EA | 24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A) | 3,126.52 | 63.13 |
| 23 09 23 53-0630 | EA | 36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A) | 4,031.07 | 63.13 |
| 23 09 23 53-0631 | EA | 36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A) | 8,047.43 | 63.13 |
| 23 09 23 53-0632 | EA | License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A) | 1,365.84 | |
| 23 09 23 53-0633 | EA | Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S) | 542.45 | 31.57 |
| 23 09 23 53-0634 | EA | Controller Mounted Operator Display Module (Siemens PXM10T) | 394.97 | 31.57 |
| 23 09 23 53-0635 | EA | Provides FLN Support For The PXC Modular (Siemens PXX-485.3)<br>Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported | 900.21 | 25.25 |
| 23 09 23 53-0636 | EA | Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN) | 304.83 | 31.57 |
| 23 09 23 53-0637 | EA | Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC) | 296.67 | 40.41 |
| 23 09 23 53-0638 | EA | 4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010) | 147.50 | 31.57 |
| 23 09 23 53-0639 | EA | 8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020) | 109.78 | 31.57 |
| 23 09 23 53-0640 | EA | 24' Flexible Averaging Probe (Siemens QAM2012.750) | 324.80 | 63.13 |
| 23 09 23 53-0641 | EA | 2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200) | 207.44 | 47.34 |
| 23 09 23 53-0642 | EA | 10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X) | 3,658.30 | 406.83 |
| 23 09 23 53-0643 | EA | Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12) | 38.60 | 12.63 |
| 23 09 23 53-0644 | EA | Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100) | 0.89 | |
| 23 09 23 53-0645 | EA | 16 Digital Input Module (Siemens TXM1.16D) | 676.37 | 12.63 |
| 23 09 23 53-0646 | EA | 6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M) | 1,024.34 | 12.63 |
| 23 09 23 53-0647 | EA | 8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML) | 1,645.31 | 25.25 |
| 23 09 23 53-0648 | EA | 1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4) | 502.64 | 7.58 |

## 23 09 23 53-0649 Trane Controls *(23 09 23 53)*

## 23 09 23 53-0650 Software *(23 09 23 53-0649)*

Note: Excludes programming, set-up and commissioning of application.

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0651 | EA | Summit + Building Management Package (Trane 40201152) | 7,775.39 | |
| 23 09 23 53-0652 | EA | Summit Current Version Software (Trane 40201111) | 4,387.77 | |
| 23 09 23 53-0653 | EA | Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113) | 1,061.83 | |
| 23 09 23 53-0654 | EA | Rover Service Software And Hardware, Complete Kit (Trane X1365150001) | 4,361.27 | |
| 23 09 23 53-0655 | EA | Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000) | 12,066.27 | |

## 23 09 23 53-0656 EMCS Central Equipment And Controllers *(23 09 23 53-0649)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0657 | EA | Summit BTMX Operator Display Upgrade (Trane 40201224) | 6,651.79 | 505.06 |
| 23 09 23 53-0658 | EA | Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531) | 15,269.43 | 505.06 |
| 23 09 23 53-0659 | EA | Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532) | 15,269.43 | 505.06 |
| 23 09 23 53-0660 | EA | Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00) | 13,398.24 | 505.06 |
| 23 09 23 53-0661 | EA | Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10) | 15,573.86 | 505.06 |
| 23 09 23 53-0662 | EA | Summit CCP Upgrade ROM Kit (Trane 40201095) | 234.59 | 31.57 |
| 23 09 23 53-0663 | EA | Summit Comm5 Repeater (Trane 49500457) | 1,808.66 | 252.53 |
| 23 09 23 53-0664 | EA | AHU Controller MP580/581 E Board Only (Trane 40201157) | 3,086.85 | 315.66 |
| 23 09 23 53-0665 | EA | AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01) | 3,963.92 | 378.80 |
| 23 09 23 53-0666 | EA | AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00) | 3,099.26 | 378.80 |
| 23 09 23 53-0667 | EA | AHU Controller MP581 Operator Door Display (Trane 40201156) | 2,611.43 | 378.80 |
| 23 09 23 53-0668 | EA | AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491) | 2,608.74 | 378.80 |
| 23 09 23 53-0669 | EA | Controller MP503 I/O Module With Metal Enclosure (Trane 49500590) | 1,182.42 | 126.27 |
| 23 09 23 53-0670 | EA | Controller MP503 I/O Module With Plastic Cover (Trane 49500490) | 1,074.94 | 126.27 |
| 23 09 23 53-0671 | EA | Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500) | 1,935.03 | 252.53 |
| 23 09 23 53-0672 | EA | Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499) | 1,845.89 | 252.53 |
| 23 09 23 53-0673 | EA | 2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569) | 1,035.57 | 126.27 |
| 23 09 23 53-0674 | EA | 2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469) | 906.15 | 126.27 |
| 23 09 23 53-0675 | EA | 4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596) | 1,354.03 | 126.27 |
| 23 09 23 53-0676 | EA | 4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496) | 1,225.32 | 126.27 |
| 23 09 23 53-0677 | EA | Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049) | 1,047.09 | 126.27 |
| 23 09 23 53-0678 | EA | Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496) | 997.67 | 126.27 |
| 23 09 23 53-0679 | EA | Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570) | 1,149.43 | 126.27 |
| 23 09 23 53-0680 | EA | Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470) | 1,047.09 | 126.27 |
| 23 09 23 53-0681 | EA | DDC VAV Retrofit Kit (Trane VRTODD01) | 1,448.01 | 252.53 |
| 23 09 23 53-0682 | EA | DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO) | 1,575.29 | 252.53 |

## 23 09 23 53-0683 Network, VAV And Special Sensors *(23 09 23 53-0649)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0684 | EA | Digital Display Zone Sensor (Trane X13790464010) | 247.66 | 40.41 |
| 23 09 23 53-0685 | EA | Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010) | 164.29 | 40.41 |
| 23 09 23 53-0686 | EA | Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010) | 150.23 | 40.41 |
| 23 09 23 53-0687 | EA | Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01) | 305.49 | 45.46 |
| 23 09 23 53-0688 | EA | Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121) | 183.51 | 40.41 |
| 23 09 23 53-0689 | EA | Zone Sensor LCD O/C Setpoint (Trane 41901120) | 183.51 | 40.41 |
| 23 09 23 53-0690 | EA | Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010) | 644.87 | 72.73 |
| 23 09 23 53-0691 | EA | Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010) | 592.19 | 40.41 |
| 23 09 23 53-0692 | EA | Transformer 120/24 40 VA (Trane X13550284010) | 143.20 | 40.41 |
| 23 09 23 53-0693 | EA | Transformer 24 Volt AC Wall Plug-In (Trane 35803005) | 138.17 | 40.41 |
| 23 09 23 53-0694 | EA | Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022) | 130.14 | 40.41 |
| 23 09 23 53-0695 | EA | Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010) | 1,627.10 | 252.53 |
| 23 09 23 53-0696 | EA | Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010) | 1,558.43 | 252.53 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0697 | EA | Controller UC400 XM32 Module (4 Relay) (Trane X13651563010) | 1,415.14 | 252.53 |
| 23 09 23 53-0698 | EA | Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010) | 2,531.40 | 378.80 |
| 23 09 23 53-0699 | EA | Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010) | 1,415.14 | 252.53 |
| 23 09 23 53-0700 | EA | Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011) | 1,487.82 | 252.53 |
| 23 09 23 53-0701 | EA | Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011) | 1,493.49 | 252.53 |
| 23 09 23 53-0702 | EA | Controller Optional Metal Enclosure, UC210 (Trane 501898) | 537.85 | 251.46 |
| 23 09 23 53-0703 | EA | Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801) | 779.76 | 251.46 |
| 23 09 23 53-0704 | EA | Controller Tracer UC600 Controller (Trane BMUC600AAA0100011) | 2,835.75 | 378.80 |
| 23 09 23 53-0705 | EA | Controller UC600 Tracer TD7 Display (Trane X13651571010) | 2,725.26 | 378.80 |
| 23 09 23 53-0706 | EA | Controller UC600 TD7 Mounting Bracket (Trane X05010511010) | 168.31 | 50.32 |
| 23 09 23 53-0707 | EA | Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010) | 610.46 | 50.32 |
| 23 09 23 53-0708 | EA | SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010) | 2,904.05 | 378.80 |
| 23 09 23 53-0709 | EA | BACnet Term (2 Pack) (Trane X1365152401) | 266.94 | 90.53 |
| 23 09 23 53-0710 | EA | Tracer ES Add License (Trane X40250125010) | 3,480.72 | |
| 23 09 23 53-0711 | EA | Kit - Tracer TU For Controls (Trane X4509151201) | 5,338.95 | 505.06 |
| 23 09 23 53-0712 | EA | Kit - Tracer TU Complete (Trane X4509151301) | 7,022.41 | 505.06 |
| 23 09 23 53-0713 | EA | Tracer TU Adapter Wired/Wireless (Trane X13651529010) | 692.83 | 90.53 |
| 23 09 23 53-0714 | EA | Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010) | 396.52 | 90.53 |
| 23 09 23 53-0715 | EA | Sensor Wireless Display Sensor ( Trane X13790822010) | 448.75 | 90.53 |
| 23 09 23 53-0716 | EA | Sensor Wireless Receiver, 100mW (Trane X13790854010) | 401.54 | 90.53 |
| 23 09 23 53-0717 | EA | Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010) | 546.03 | 90.53 |
| 23 09 23 53-0718 | EA | Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010) | 595.24 | 90.53 |

## 23 09 23 53-0719 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23 53)*

## 23 09 23 53-0720 Room Pressure Monitoring *(23 09 23 53-0719)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0721 | EA | Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM) | 3,549.19 | 63.81 |
| 23 09 23 53-0722 | EA | Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC)<br>Note: Excludes dampers and actuators. | 5,729.71 | 63.81 |
| 23 09 23 53-0723 | EA | Hospital Room Pressure Status Remote Visual Display (TSI 8694-4) | 447.72 | 38.29 |
| 23 09 23 53-0724 | EA | Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7) | 517.31 | 38.29 |

## 23 09 23 53-0725 Current Switches And Current Sensors *(23 09 23 53-0719)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0726 | EA | Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203) | 153.24 | 40.41 |
| 23 09 23 53-0727 | EA | Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205) | 159.27 | 40.41 |
| 23 09 23 53-0728 | EA | 0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L) | 247.66 | 40.41 |
| 23 09 23 53-0729 | EA | 0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24) | 145.21 | 40.41 |
| 23 09 23 53-0730 | EA | 0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA) | 452.57 | 40.41 |
| 23 09 23 53-0731 | EA | 0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC) | 287.58 | 40.41 |
| 23 09 23 53-0732 | EA | 1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709) | 218.71 | 40.41 |
| 23 09 23 53-0733 | EA | 0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721) | 218.71 | 40.41 |
| 23 09 23 53-0734 | EA | Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC) | 5,931.89 | 202.03 |
| 23 09 23 53-0735 | EA | 100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2)<br>Note: 3 phase networked transducer. | 1,508.65 | 40.41 |
| 23 09 23 53-0736 | EA | 2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3) | 2,294.73 | 40.41 |
| 23 09 23 53-0737 | EA | Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV) | 234.88 | 40.41 |
| 23 09 23 53-0738 | EA | Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800) | 347.43 | 107.33 |
| 23 09 23 53-0739 | EA | Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900) | 347.92 | 107.33 |
| 23 09 23 53-0740 | EA | Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708) | 372.02 | 107.33 |
| 23 09 23 53-0741 | EA | Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908) | 378.05 | 107.33 |
| 23 09 23 53-0742 | EA | Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904) | 412.20 | 107.33 |
| 23 09 23 53-0743 | EA | Toggle Switch | 141.55 | 50.51 |
| 23 09 23 53-0744 | EA | Maintained Pushbutton Switch | 151.39 | 50.51 |
| 23 09 23 53-0745 | EA | Manual Time Switch | 244.17 | 50.51 |
| 23 09 23 53-0746 | EA | Emergency Stop Switch | 410.08 | 50.51 |
| 23 09 23 53-0747 | EA | Float Switch | 392.26 | 50.51 |
| 23 09 23 53-0748 | EA | Break Glass Switch | 1,295.82 | 50.51 |
| 23 09 23 53-0749 | EA | Boiler E-Stop Switch | 788.87 | 50.51 |

## 23 09 23 53-0750 Relays *(23 09 23 53-0719)*

| | | | | |
|---|---|---|---|---|
| 23 09 23 53-0751 | EA | DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V) | 126.12 | 40.41 |
| 23 09 23 53-0752 | EA | SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1) | 138.48 | 40.41 |
| 23 09 23 53-0753 | EA | SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B)<br>Note: Box type. | 196.30 | 50.51 |
| 23 09 23 53-0754 | EA | Motor Starter Interface, 300msec Pulse (Kele PIL-2) | 249.31 | 40.41 |
| 23 09 23 53-0755 | EA | DP Relay Socket, DIN Rail Mounted (Kele SH2B-05) | 117.16 | 40.41 |
| 23 09 23 53-0756 | EA | SP Relay Socket, DIN Rail Mounted (Kele SH1B-05) | 115.35 | 40.41 |
| 23 09 23 53-0757 | EA | SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V) | 126.12 | 40.41 |
| 23 09 23 53-0758 | EA | DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V) | 131.77 | 40.41 |
| 23 09 23 53-0759 | EA | SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V) | 133.31 | 40.41 |
| 23 09 23 53-0760 | EA | SPDT Pilot Relay, Universal (Kele RIBU1C)<br>Note: Box type. | 144.25 | 50.51 |
| 23 09 23 53-0761 | EA | SPST Pilot Relay With HOA Switch (Kele RIBU1S)<br>Note: Box type. | 194.67 | 50.51 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 23 53-0762 | EA | SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400) | 350.18 | 50.51 |
| 23 09 23 53-0763 | EA | SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450) | 347.95 | 50.51 |
| **23 09 23 53-0764** | | **Transformers** *(23 09 23 53-0719)* | | |
| 23 09 23 53-0765 | EA | 50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA) | 151.92 | 40.41 |
| 23 09 23 53-0766 | EA | 75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB) | 165.94 | 40.41 |
| 23 09 23 53-0767 | EA | 75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA) | 165.94 | 40.41 |
| 23 09 23 53-0768 | EA | 100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB) | 178.63 | 40.41 |
| 23 09 23 53-0769 | EA | 100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA) | 186.45 | 40.41 |
| **23 09 23 53-0770** | | **Power Supplies** *(23 09 23 53-0719)* | | |
| 23 09 23 53-0771 | EA | Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA) | 230.81 | 40.41 |
| 23 09 23 53-0772 | EA | AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2) | 269.72 | 40.41 |
| 23 09 23 53-0773 | EA | DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524) | 252.18 | 40.41 |
| 23 09 23 53-0774 | EA | DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D) | 260.48 | 40.41 |
| 23 09 23 53-0775 | EA | DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H) | 253.08 | 40.41 |
| 23 09 23 53-0776 | EA | DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P) | 265.46 | 40.41 |
| 23 09 23 53-0777 | EA | DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C) | 197.36 | 40.41 |
| **23 09 23 53-0778** | | **Carrier Sensors And Controls** *(23 09 23 53)* | | |
| 23 09 23 53-0779 | EA | Touch Screen Controller, Supports 512 ID Units (Carrier BMS-CT5120UL) | 6,281.02 | 168.18 |
| 23 09 23 53-0780 | EA | Wired Remote Controller (Carrier RBC-AMS54E-UL) | 393.30 | 40.41 |
| 23 09 23 53-0781 | EA | Remote Sensor (Carrier TCB-TC41UL) | 339.51 | 40.41 |
| 23 09 23 53-0782 | EA | VRF Start-up Assistance (Carrier VRFSA) | 2,445.30 | |
| 23 09 23 53-0783 | EA | 2 Speed VFD Display Kit (Carrier CRDISKIT001A00) | 542.30 | 63.13 |
| **23 09 23 53-0784** | | **SETRA Controls** *(23 09 23 53)* | | |
| 23 09 23 53-0785 | EA | Low Differential Pressure Transducer (SETRA 264) | 369.92 | 42.05 |

## 23 09 43 Pneumatic Control System For HVAC *(23 09)*

### 23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices *(23 09 43)*

### 23 09 43 00-0002 Polyurethane Pneumatic Tubing *(23 09 43 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 09 43 00-0003 | LF | 1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing | 2.51 | 0.97 |
| 23 09 43 00-0004 | LF | 5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing | 3.21 | 1.00 |
| 23 09 43 00-0005 | LF | 3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing | 4.22 | 1.03 |
| 23 09 43 00-0006 | LF | 1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing | 5.39 | 1.06 |

### 23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing *(23 09 43 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 09 43 00-0008 | LF | 1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing | 2.23 | 0.97 |
| 23 09 43 00-0009 | LF | 5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing | 2.40 | 1.00 |
| 23 09 43 00-0010 | LF | 3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing | 2.76 | 1.03 |
| 23 09 43 00-0011 | LF | 1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing | 3.46 | 1.06 |

### 23 09 43 00-0012 Nylon Pneumatic Tubing *(23 09 43 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 09 43 00-0013 | LF | 1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing | 2.66 | 0.94 |
| 23 09 43 00-0014 | LF | 1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing | 3.56 | 0.97 |
| 23 09 43 00-0015 | LF | 3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing | 5.42 | 1.03 |
| 23 09 43 00-0016 | LF | 1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing | 6.98 | 1.06 |

### 23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing *(23 09 43 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 09 43 00-0018 | LF | 1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing | 2.60 | 0.97 |
| 23 09 43 00-0019 | LF | 3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing | 4.25 | 1.03 |
| 23 09 43 00-0020 | LF | 1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing | 5.15 | 1.06 |
| 23 09 43 00-0021 | LF | 5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing | 6.30 | 1.09 |
| 23 09 43 00-0022 | LF | 3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing | 7.15 | 1.11 |
| 23 09 43 00-0023 | LF | 1" Outside Diameter Flexible Vinyl Pneumatic Tubing | 9.84 | 1.14 |

### 23 09 43 00-0024 Braided Vinyl Pneumatic Tubing *(23 09 43 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 09 43 00-0025 | LF | 5/8" Outside Diameter Braided Vinyl Pneumatic Tubing | 3.54 | 1.09 |
| 23 09 43 00-0026 | LF | 3/4" Outside Diameter Braided Vinyl Pneumatic Tubing | 4.14 | 1.11 |
| 23 09 43 00-0027 | LF | 1" Outside Diameter Braided Vinyl Pneumatic Tubing | 5.21 | 1.14 |

### 23 09 43 00-0028 Copper Pneumatic Tubing *(23 09 43 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 09 43 00-0029 | LF | 1/4" Outside Diameter Copper Pneumatic Tubing | 5.47 | 2.09 |
| 23 09 43 00-0030 | LF | 3/8" Outside Diameter Copper Pneumatic Tubing | 6.69 | 2.40 |
| 23 09 43 00-0031 | LF | 1/2" Outside Diameter Copper Pneumatic Tubing | 7.78 | 2.76 |
| 23 09 43 00-0032 | LF | 5/8" Outside Diameter Copper Pneumatic Tubing | 9.65 | 3.18 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 09 43 00-0033 | LF | 3/4" Outside Diameter Copper Pneumatic Tubing | 10.97 | 3.66 |
| 23 09 43 00-0034 | | **Brass Couplings** *(23 09 43 00-0001)* See CSI section 22 11 16 00-0383 for copper tubing. | | |
| 23 09 43 00-0035 | | **Straight Brass Couplings** *(23 09 43 00-0034)* Note: Barb x Barb | | |
| 23 09 43 00-0036 | EA | 1/4" x 1/4" Straight Brass Coupling | 11.39 | 5.27 |
| 23 09 43 00-0037 | EA | 3/8" x 1/4" Straight Brass Coupling | 11.53 | 5.27 |
| 23 09 43 00-0038 | EA | 3/8" x 3/8" Straight Brass Coupling | 11.67 | 5.27 |
| 23 09 43 00-0039 | | **Elbow Brass Couplings** *(23 09 43 00-0034)* Note: Barb x Barb | | |
| 23 09 43 00-0040 | EA | 1/4" x 1/4" Elbow Brass Coupling | 12.17 | 5.27 |
| 23 09 43 00-0041 | EA | 3/8" x 3/8" Elbow Brass Coupling | 12.64 | 5.27 |
| 23 09 43 00-0042 | | **Tee Brass Couplings** *(23 09 43 00-0034)* Note: Barb x Barb | | |
| 23 09 43 00-0043 | EA | 1/4" x 1/4" x 1/4" Tee Brass Coupling | 18.56 | 8.20 |
| 23 09 43 00-0044 | EA | 3/8" x 3/8" x 1/4" Tee Brass Coupling | 21.43 | 8.78 |
| 23 09 43 00-0045 | EA | 3/8" x 3/8" x 3/8" Tee Brass Coupling | 20.93 | 8.78 |

# 23 10 Facility Fuel Systems *(23)*

## 23 11 Facility Fuel Piping *(23 10)*

### 23 11 23 Facility Natural-Gas Piping *(23 11)*

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

| | | | | |
|---|---|---|---|---|
| 23 11 23 00-0001 | | **Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping** *(23 11 23)* | | |
| 23 11 23 00-0002 | | **Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0001)* Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers. | | |
| 23 11 23 00-0003 | LF | 3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 6.33 | 2.05 |
| 23 11 23 00-0004 | LF | 1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 6.97 | 2.22 |
| 23 11 23 00-0005 | LF | 3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 8.35 | 2.41 |
| 23 11 23 00-0006 | LF | 1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 10.55 | 2.55 |
| 23 11 23 00-0007 | LF | 1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 12.44 | 2.67 |
| 23 11 23 00-0008 | LF | 1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 18.94 | 2.78 |
| 23 11 23 00-0009 | LF | 2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 25.67 | 2.96 |
| 23 11 23 00-0010 | | **Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0001)* | | |
| 23 11 23 00-0011 | | **Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| 23 11 23 00-0012 | EA | 3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 30.21 | |
| 23 11 23 00-0013 | EA | 3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 30.21 | |
| 23 11 23 00-0014 | EA | 1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 32.38 | |
| 23 11 23 00-0015 | EA | 1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 32.38 | |
| 23 11 23 00-0016 | EA | 3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 38.96 | |
| 23 11 23 00-0017 | EA | 1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 53.67 | |
| 23 11 23 00-0018 | EA | 1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 53.67 | |
| 23 11 23 00-0019 | EA | 1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 91.28 | |
| 23 11 23 00-0020 | EA | 1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 167.19 | |
| 23 11 23 00-0021 | EA | 2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 270.82 | |
| 23 11 23 00-0022 | | **Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| 23 11 23 00-0023 | EA | 3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 29.25 | |
| 23 11 23 00-0024 | EA | 1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 32.38 | |
| 23 11 23 00-0025 | EA | 1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 32.38 | |
| 23 11 23 00-0026 | EA | 3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 38.96 | |
| 23 11 23 00-0027 | EA | 3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 38.96 | |
| 23 11 23 00-0028 | EA | 1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 51.31 | |
| 23 11 23 00-0029 | EA | 1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 51.31 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 11 23 00-0030** | | **Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| 23 11 23 00-0031 | EA | 3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 39.53 | |
| 23 11 23 00-0032 | EA | 1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 52.17 | |
| **23 11 23 00-0033** | | **Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| 23 11 23 00-0034 | EA | 3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 40.66 | |
| 23 11 23 00-0035 | EA | 1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 45.11 | |
| 23 11 23 00-0036 | EA | 3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 56.67 | |
| 23 11 23 00-0037 | EA | 1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 81.29 | |
| 23 11 23 00-0038 | EA | 1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 152.34 | |
| 23 11 23 00-0039 | EA | 1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 297.52 | |
| 23 11 23 00-0040 | EA | 2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 494.15 | |
| **23 11 23 00-0041** | | **Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| 23 11 23 00-0042 | EA | 1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 56.19 | |
| 23 11 23 00-0043 | EA | 3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 90.61 | |
| 23 11 23 00-0044 | EA | 1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 143.71 | |
| 23 11 23 00-0045 | EA | 1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 247.49 | |
| 23 11 23 00-0046 | EA | 1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 266.11 | |
| 23 11 23 00-0047 | EA | 2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 305.58 | |
| **23 11 23 00-0048** | | **Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| 23 11 23 00-0049 | EA | 3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 36.48 | |
| 23 11 23 00-0050 | EA | 1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 37.70 | |
| 23 11 23 00-0051 | EA | 3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 41.02 | |
| 23 11 23 00-0052 | EA | 1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 55.24 | |
| 23 11 23 00-0053 | EA | 1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 56.05 | |
| **23 11 23 00-0054** | | **Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| 23 11 23 00-0055 | EA | 3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 40.22 | |
| 23 11 23 00-0056 | EA | 1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 41.29 | |
| 23 11 23 00-0057 | EA | 3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 48.64 | |
| 23 11 23 00-0058 | EA | 1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 57.37 | |
| 23 11 23 00-0059 | EA | 1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 57.37 | |
| **23 11 23 00-0060** | | **Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| 23 11 23 00-0061 | EA | 3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 62.71 | |
| 23 11 23 00-0062 | EA | 1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 64.30 | |
| 23 11 23 00-0063 | EA | 3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 67.47 | |
| 23 11 23 00-0064 | EA | 1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 107.75 | |
| 23 11 23 00-0065 | EA | 1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 111.88 | |
| 23 11 23 00-0066 | EA | 1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 161.77 | |
| 23 11 23 00-0067 | EA | 2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 201.41 | |
| **23 11 23 00-0068** | | **Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| 23 11 23 00-0069 | EA | 3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 66.34 | |
| 23 11 23 00-0070 | EA | 1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 67.87 | |
| 23 11 23 00-0071 | EA | 3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 74.95 | |
| 23 11 23 00-0072 | EA | 1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 136.34 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 11 23 00-0073 | EA | 1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 140.70 | |
| 23 11 23 00-0074 | EA | 1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 193.91 | |
| 23 11 23 00-0075 | EA | 2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 244.94 | |
| **23 11 23 00-0076** | | **Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| 23 11 23 00-0077 | EA | 1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 38.59 | |
| 23 11 23 00-0078 | EA | 3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 41.68 | |
| 23 11 23 00-0079 | EA | 1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 63.50 | |
| 23 11 23 00-0080 | EA | 1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 97.92 | |
| 23 11 23 00-0081 | EA | 1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 190.54 | |
| 23 11 23 00-0082 | EA | 2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 303.56 | |
| **23 11 23 00-0083** | | **Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| | | Note: Includes mounting plate. | | |
| 23 11 23 00-0084 | EA | 1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 33.28 | |
| 23 11 23 00-0085 | EA | 3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 36.29 | |
| 23 11 23 00-0086 | EA | 1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 33.32 | |
| 23 11 23 00-0087 | EA | 1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 33.43 | |
| 23 11 23 00-0088 | EA | 3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 34.84 | |
| 23 11 23 00-0089 | EA | 1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 41.47 | |
| 23 11 23 00-0090 | EA | 1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 49.96 | |
| **23 11 23 00-0091** | | **Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| | | Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve. | | |
| 23 11 23 00-0092 | EA | 1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 94.16 | 21.56 |
| 23 11 23 00-0093 | EA | 3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 106.47 | 22.63 |
| **23 11 23 00-0094** | | **Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| 23 11 23 00-0095 | EA | 3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 67.36 | 18.87 |
| 23 11 23 00-0096 | EA | 1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 78.35 | 22.42 |
| 23 11 23 00-0097 | EA | 3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 96.18 | 26.95 |
| 23 11 23 00-0098 | EA | 1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 120.19 | 36.00 |
| **23 11 23 00-0099** | | **Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| | | Note: Includes mounting hardware. | | |
| 23 11 23 00-0100 | EA | 1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 82.78 | 22.42 |
| 23 11 23 00-0101 | EA | 3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 93.86 | 26.95 |
| 23 11 23 00-0102 | EA | 1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 88.76 | 22.42 |
| 23 11 23 00-0103 | EA | 3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 97.74 | 26.95 |
| 23 11 23 00-0104 | EA | 2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 185.46 | 67.37 |
| **23 11 23 00-0105** | | **Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* | | |
| 23 11 23 00-0106 | EA | 1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 87.61 | 22.42 |
| 23 11 23 00-0107 | EA | 1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 87.61 | 22.42 |
| 23 11 23 00-0108 | EA | 1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 123.39 | 22.42 |
| 23 11 23 00-0109 | EA | 3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 132.37 | 26.95 |
| 23 11 23 00-0110 | EA | 3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 132.37 | 26.95 |
| 23 11 23 00-0111 | EA | 1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 150.33 | 36.00 |
| 23 11 23 00-0112 | EA | 1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 225.60 | 40.42 |
| 23 11 23 00-0113 | EA | 1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 117.06 | 22.42 |
| 23 11 23 00-0114 | EA | 3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 294.38 | 26.95 |
| 23 11 23 00-0115 | EA | 1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe | 717.32 | 40.42 |
| **23 11 23 00-0116** | | **Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft)** *(23 11 23)* | | |
| **23 11 23 00-0117** | | **3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 11 23 00-0118 | EA | 12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12) | 46.28 | 16.17 |
| 23 11 23 00-0119 | EA | 18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18) | 50.71 | 17.24 |
| 23 11 23 00-0120 | EA | 24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24) | 54.96 | 17.24 |
| 23 11 23 00-0121 | EA | 30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30) | 57.65 | 18.32 |
| 23 11 23 00-0122 | EA | 36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36) | 61.07 | 18.32 |
| 23 11 23 00-0123 | EA | 48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48) | 68.70 | 19.40 |
| 23 11 23 00-0124 | EA | 60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60) | 75.63 | 19.40 |
| 23 11 23 00-0125 | EA | 72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72) | 82.49 | 20.48 |
| **23 11 23 00-0126** | | **3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0127 | EA | 12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12) | 46.28 | 16.17 |
| 23 11 23 00-0128 | EA | 18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18) | 50.71 | 17.24 |
| 23 11 23 00-0129 | EA | 24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24) | 54.96 | 17.24 |
| 23 11 23 00-0130 | EA | 30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30) | 57.65 | 18.32 |
| 23 11 23 00-0131 | EA | 36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36) | 61.07 | 18.32 |
| 23 11 23 00-0132 | EA | 48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48) | 68.70 | 19.40 |
| 23 11 23 00-0133 | EA | 60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60) | 75.63 | 19.40 |
| 23 11 23 00-0134 | EA | 72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72) | 82.49 | 20.48 |
| **23 11 23 00-0135** | | **3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0136 | EA | 12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12) | 46.28 | 16.17 |
| 23 11 23 00-0137 | EA | 18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18) | 50.71 | 17.24 |
| 23 11 23 00-0138 | EA | 24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24) | 54.96 | 17.24 |
| 23 11 23 00-0139 | EA | 30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30) | 57.65 | 18.32 |
| 23 11 23 00-0140 | EA | 36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36) | 61.07 | 18.32 |
| 23 11 23 00-0141 | EA | 48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48) | 68.70 | 19.40 |
| 23 11 23 00-0142 | EA | 60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60) | 75.63 | 19.40 |
| 23 11 23 00-0143 | EA | 72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72) | 82.49 | 20.48 |
| **23 11 23 00-0144** | | **3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0145 | EA | 12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12) | 46.28 | 16.17 |
| 23 11 23 00-0146 | EA | 18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18) | 50.71 | 17.24 |
| 23 11 23 00-0147 | EA | 24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24) | 65.55 | 17.24 |
| 23 11 23 00-0148 | EA | 30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30) | 57.65 | 18.32 |
| 23 11 23 00-0149 | EA | 36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36) | 61.07 | 18.32 |
| 23 11 23 00-0150 | EA | 48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48) | 68.70 | 19.40 |
| 23 11 23 00-0151 | EA | 60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60) | 75.63 | 19.40 |
| 23 11 23 00-0152 | EA | 72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72) | 82.49 | 20.48 |
| **23 11 23 00-0153** | | **3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0154 | EA | 12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12) | 50.36 | 16.17 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 11 23 00-0155 | EA | 18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18) | 55.78 | 17.24 |
| 23 11 23 00-0156 | EA | 24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24) | 54.96 | 17.24 |
| 23 11 23 00-0157 | EA | 30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30) | 64.12 | 18.32 |
| 23 11 23 00-0158 | EA | 36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36) | 61.07 | 18.32 |
| 23 11 23 00-0159 | EA | 48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48) | 68.70 | 19.40 |
| 23 11 23 00-0160 | EA | 60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60) | 75.63 | 19.40 |
| 23 11 23 00-0161 | EA | 72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72) | 82.49 | 20.48 |
| **23 11 23 00-0162** | | **3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0163 | EA | 12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12) | 46.28 | 16.17 |
| 23 11 23 00-0164 | EA | 24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24) | 60.96 | 17.24 |
| 23 11 23 00-0165 | EA | 30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30) | 57.65 | 18.32 |
| 23 11 23 00-0166 | EA | 36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36) | 61.07 | 18.32 |
| 23 11 23 00-0167 | EA | 48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48) | 68.70 | 19.40 |
| 23 11 23 00-0168 | EA | 60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60) | 86.43 | 19.40 |
| 23 11 23 00-0169 | EA | 72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72) | 82.49 | 20.48 |
| **23 11 23 00-0170** | | **3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0171 | EA | 12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12) | 46.28 | 16.17 |
| 23 11 23 00-0172 | EA | 18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18) | 50.71 | 17.24 |
| 23 11 23 00-0173 | EA | 24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24) | 54.96 | 17.24 |
| 23 11 23 00-0174 | EA | 30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30) | 57.65 | 18.32 |
| 23 11 23 00-0175 | EA | 36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36) | 61.07 | 18.32 |
| 23 11 23 00-0176 | EA | 48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48) | 68.70 | 19.40 |
| 23 11 23 00-0177 | EA | 60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60) | 75.63 | 19.40 |
| 23 11 23 00-0178 | EA | 72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72) | 82.49 | 20.48 |
| **23 11 23 00-0179** | | **3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0180 | EA | 12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12) | 46.28 | 16.17 |
| 23 11 23 00-0181 | EA | 18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18) | 50.71 | 17.24 |
| 23 11 23 00-0182 | EA | 24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24) | 54.96 | 17.24 |
| 23 11 23 00-0183 | EA | 30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30) | 57.65 | 18.32 |
| 23 11 23 00-0184 | EA | 36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36) | 61.07 | 18.32 |
| 23 11 23 00-0185 | EA | 48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48) | 68.70 | 19.40 |
| 23 11 23 00-0186 | EA | 60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60) | 75.63 | 19.40 |
| 23 11 23 00-0187 | EA | 72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72) | 82.49 | 20.48 |
| **23 11 23 00-0188** | | **3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0189 | EA | 18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18) | 55.78 | 17.24 |
| 23 11 23 00-0190 | EA | 24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24) | 54.96 | 17.24 |
| 23 11 23 00-0191 | EA | 30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30) | 64.12 | 18.32 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 11 23 00-0192 | EA | 36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36) | 68.23 | 18.32 |
| 23 11 23 00-0193 | EA | 48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48) | 77.79 | 19.40 |
| **23 11 23 00-0194** | | **1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0195 | EA | 12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12) | 46.28 | 16.17 |
| 23 11 23 00-0196 | EA | 18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18) | 50.71 | 17.24 |
| 23 11 23 00-0197 | EA | 24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24) | 50.72 | 17.24 |
| 23 11 23 00-0198 | EA | 30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30) | 57.65 | 18.32 |
| 23 11 23 00-0199 | EA | 36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36) | 56.00 | 18.32 |
| 23 11 23 00-0200 | EA | 48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48) | 70.24 | 19.40 |
| 23 11 23 00-0201 | EA | 60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60) | 75.63 | 19.40 |
| 23 11 23 00-0202 | EA | 72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72) | 82.49 | 20.48 |
| **23 11 23 00-0203** | | **1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0204 | EA | 12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12) | 46.28 | 16.17 |
| 23 11 23 00-0205 | EA | 18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18) | 47.25 | 17.24 |
| 23 11 23 00-0206 | EA | 24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24) | 48.38 | 17.24 |
| 23 11 23 00-0207 | EA | 30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30) | 57.65 | 18.32 |
| 23 11 23 00-0208 | EA | 36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36) | 61.07 | 18.32 |
| 23 11 23 00-0209 | EA | 48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48) | 62.08 | 19.40 |
| 23 11 23 00-0210 | EA | 60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60) | 75.63 | 19.40 |
| 23 11 23 00-0211 | EA | 72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72) | 82.49 | 20.48 |
| **23 11 23 00-0212** | | **1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0213 | EA | 12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12) | 46.28 | 16.17 |
| 23 11 23 00-0214 | EA | 18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18) | 50.71 | 17.24 |
| 23 11 23 00-0215 | EA | 24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24) | 54.96 | 17.24 |
| 23 11 23 00-0216 | EA | 30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30) | 57.65 | 18.32 |
| 23 11 23 00-0217 | EA | 36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36) | 52.47 | 18.32 |
| 23 11 23 00-0218 | EA | 48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48) | 68.70 | 19.40 |
| 23 11 23 00-0219 | EA | 60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60) | 75.63 | 19.40 |
| 23 11 23 00-0220 | EA | 72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72) | 82.49 | 20.48 |
| **23 11 23 00-0221** | | **3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0222 | EA | 12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12) | 60.82 | 16.17 |
| 23 11 23 00-0223 | EA | 18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18) | 65.23 | 17.24 |
| 23 11 23 00-0224 | EA | 24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24) | 69.47 | 17.24 |
| 23 11 23 00-0225 | EA | 30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30) | 72.15 | 18.32 |
| 23 11 23 00-0226 | EA | 36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36) | 75.70 | 18.32 |
| 23 11 23 00-0227 | EA | 48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48) | 82.88 | 19.40 |
| 23 11 23 00-0228 | EA | 60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60) | 90.40 | 19.40 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 11 23 00-0229 | EA | 72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72) | 97.27 | 20.48 |
| **23 11 23 00-0230** | | **3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0231 | EA | 12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12) | 71.60 | 21.56 |
| 23 11 23 00-0232 | EA | 18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18) | 76.01 | 22.63 |
| 23 11 23 00-0233 | EA | 24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24) | 80.25 | 22.63 |
| 23 11 23 00-0234 | EA | 30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30) | 82.93 | 23.71 |
| 23 11 23 00-0235 | EA | 36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36) | 86.47 | 23.71 |
| 23 11 23 00-0236 | EA | 48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48) | 93.66 | 24.79 |
| 23 11 23 00-0237 | EA | 60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60) | 101.18 | 24.79 |
| 23 11 23 00-0238 | EA | 72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72) | 108.05 | 25.87 |
| **23 11 23 00-0239** | | **3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0240 | EA | 12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12) | 71.60 | 21.56 |
| 23 11 23 00-0241 | EA | 18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18) | 76.01 | 22.63 |
| 23 11 23 00-0242 | EA | 24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24) | 80.25 | 22.63 |
| 23 11 23 00-0243 | EA | 30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30) | 82.93 | 23.71 |
| 23 11 23 00-0244 | EA | 36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36) | 86.47 | 23.71 |
| 23 11 23 00-0245 | EA | 48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48) | 93.66 | 24.79 |
| 23 11 23 00-0246 | EA | 60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60) | 101.18 | 24.79 |
| 23 11 23 00-0247 | EA | 72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72) | 108.05 | 25.87 |
| **23 11 23 00-0248** | | **3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0249 | EA | 12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12) | 83.43 | 21.56 |
| 23 11 23 00-0250 | EA | 18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18) | 87.83 | 22.63 |
| 23 11 23 00-0251 | EA | 24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24) | 92.08 | 22.63 |
| 23 11 23 00-0252 | EA | 30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30) | 94.75 | 23.71 |
| 23 11 23 00-0253 | EA | 36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36) | 98.31 | 23.71 |
| 23 11 23 00-0254 | EA | 48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48) | 105.49 | 24.79 |
| 23 11 23 00-0255 | EA | 60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60) | 113.01 | 24.79 |
| **23 11 23 00-0256** | | **3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0257 | EA | 12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12) | 83.43 | 21.56 |
| 23 11 23 00-0258 | EA | 18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18) | 87.83 | 22.63 |
| 23 11 23 00-0259 | EA | 24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24) | 92.08 | 22.63 |
| 23 11 23 00-0260 | EA | 36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36) | 98.31 | 23.71 |
| 23 11 23 00-0261 | EA | 48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48) | 105.49 | 24.79 |
| 23 11 23 00-0262 | EA | 60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60) | 113.01 | 24.79 |
| **23 11 23 00-0263** | | **1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 11 23 00-0264 | EA | 12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12) | 83.43 | 21.56 |
| 23 11 23 00-0265 | EA | 18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18) | 87.83 | 22.63 |
| 23 11 23 00-0266 | EA | 24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24) | 92.08 | 22.63 |
| 23 11 23 00-0267 | EA | 30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30) | 94.75 | 23.71 |
| 23 11 23 00-0268 | EA | 36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36) | 98.31 | 23.71 |
| 23 11 23 00-0269 | EA | 48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48) | 105.49 | 24.79 |
| 23 11 23 00-0270 | EA | 60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60) | 113.01 | 24.79 |
| 23 11 23 00-0271 | EA | 72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72) | 119.88 | 25.87 |
| **23 11 23 00-0272** | | **1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0273 | EA | 12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12) | 68.48 | 21.56 |
| 23 11 23 00-0274 | EA | 18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18) | 72.91 | 22.63 |
| 23 11 23 00-0275 | EA | 24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24) | 77.17 | 22.63 |
| 23 11 23 00-0276 | EA | 30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30) | 79.82 | 23.71 |
| 23 11 23 00-0277 | EA | 36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36) | 83.37 | 23.71 |
| 23 11 23 00-0278 | EA | 48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48) | 90.54 | 24.79 |
| 23 11 23 00-0279 | EA | 72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72) | 104.90 | 25.87 |
| **23 11 23 00-0280** | | **1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)* | | |
| 23 11 23 00-0281 | EA | 18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18) | 81.32 | 22.63 |
| 23 11 23 00-0282 | EA | 24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24) | 86.51 | 22.63 |
| **23 11 23 00-0283** | | **Quarter-Turn, Gas Ball Valve** *(23 11 23)* | | |
| 23 11 23 00-0284 | EA | 3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102) | 42.58 | 11.47 |
| 23 11 23 00-0285 | EA | 1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103) | 42.85 | 11.71 |
| 23 11 23 00-0286 | EA | 3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104) | 61.48 | 12.88 |
| 23 11 23 00-0287 | EA | 3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112) | 42.22 | 11.47 |
| 23 11 23 00-0288 | EA | 1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113) | 44.55 | 11.71 |
| 23 11 23 00-0289 | EA | 1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118) | 49.55 | 11.71 |
| 23 11 23 00-0290 | EA | 5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121) | 53.97 | 12.29 |
| 23 11 23 00-0291 | EA | 5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114) | 56.52 | 12.29 |
| 23 11 23 00-0292 | EA | 5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115) | 56.52 | 12.29 |
| 23 11 23 00-0293 | EA | 3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312) | 44.12 | 11.47 |
| 23 11 23 00-0294 | EA | 1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313) | 46.45 | 11.71 |
| 23 11 23 00-0295 | EA | 5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314) | 57.87 | 12.29 |
| 23 11 23 00-0296 | EA | 1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413) | 46.70 | 11.71 |
| 23 11 23 00-0297 | EA | 3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414) | 62.92 | 12.88 |
| 23 11 23 00-0298 | EA | 3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119) | 44.03 | 11.47 |
| 23 11 23 00-0299 | EA | 3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612) | 41.97 | 11.47 |
| 23 11 23 00-0300 | EA | 1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613) | 42.84 | 11.71 |
| 23 11 23 00-0301 | EA | 3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614) | 58.73 | 12.88 |
| 23 11 23 00-0302 | EA | 1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615) | 79.37 | 14.63 |
| 23 11 23 00-0303 | EA | 1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616) | 113.19 | 15.21 |
| 23 11 23 00-0304 | EA | 1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617) | 134.35 | 17.56 |
| 23 11 23 00-0305 | EA | 2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618) | 165.59 | 21.07 |
| 23 11 23 00-0306 | EA | 1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713) | 43.94 | 11.71 |
| 23 11 23 00-0307 | EA | 3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714) | 58.40 | 12.88 |
| **23 11 23 00-0308** | | **Gas Stops** *(23 11 23)* | | |
| **23 11 23 00-0309** | | **Brass/Bronze Gas Stops** *(23 11 23 00-0308)* | | |
| | | Note: Flat or square head | | |
| 23 11 23 00-0310 | EA | 3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) | 55.61 | 11.71 |
| 23 11 23 00-0311 | EA | 1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) | 55.42 | 11.71 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 11 23 00-0312 | EA | 3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) | 72.57 | 12.88 |
| 23 11 23 00-0313 | EA | 1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) | 103.37 | 14.63 |
| 23 11 23 00-0314 | EA | 1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) | 138.04 | 15.57 |
| 23 11 23 00-0315 | EA | 1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) | 175.02 | 18.02 |
| 23 11 23 00-0316 | EA | 2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) | 245.21 | 21.30 |
| 23 11 23 00-0317 | | Iron Body Gas Stops *(23 11 23 00-0308)* | | |
| 23 11 23 00-0318 | EA | 1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) | 76.46 | 11.71 |
| 23 11 23 00-0319 | EA | 3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) | 93.27 | 12.88 |
| 23 11 23 00-0320 | EA | 1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) | 115.85 | 14.63 |
| 23 11 23 00-0321 | EA | 1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) | 150.16 | 15.57 |
| 23 11 23 00-0322 | EA | 1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) | 190.25 | 18.02 |
| 23 11 23 00-0323 | EA | 2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) | 248.67 | 21.30 |
| 23 11 23 00-0324 | EA | 2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) | 490.85 | 28.78 |
| 23 11 23 00-0325 | EA | 3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) | 662.40 | 33.41 |
| 23 11 23 00-0326 | | Bronze Body Solenoid Valves, 150 PSI Gas *(23 11 23)* | | |
| 23 11 23 00-0327 | EA | 1/4" Solenoid Valve, Bronze, 150 PSI, Gas | 204.17 | 11.71 |
| 23 11 23 00-0328 | EA | 1/2" Solenoid Valve, Bronze, 150 PSI, Gas | 238.30 | 11.71 |
| 23 11 23 00-0329 | EA | 3/4" Solenoid Valve, Bronze, 150 PSI, Gas | 303.08 | 12.88 |
| 23 11 23 00-0330 | EA | 1" Solenoid Valve, Bronze, 150 PSI, Gas | 456.60 | 14.63 |
| 23 11 23 00-0331 | EA | 1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas | 819.26 | 18.02 |
| 23 11 23 00-0332 | EA | 2" Solenoid Valve, Bronze, 150 PSI, Gas | 1,400.65 | 21.30 |
| 23 11 23 00-0333 | EA | 2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas | 1,733.66 | 28.78 |
| 23 11 23 00-0334 | EA | 3" Solenoid Valve, Bronze, 150 PSI, Gas | 2,619.08 | 33.41 |

## 23 11 26 Facility Liquefied-Petroleum Gas Piping *(23 11)*

### 23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 26)*

### 23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe *(23 11 26 00-0001)*

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).

| | | | | |
|---|---|---|---|---|
| 23 11 26 00-0003 | LF | 2" Fiberglass Reinforced Plastic Pipe | 22.39 | 7.76 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-8.69* | |
| 23 11 26 00-0004 | LF | 3" Fiberglass Reinforced Plastic Pipe | 26.83 | 9.27 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-10.43* | |
| 23 11 26 00-0005 | LF | 4" Fiberglass Reinforced Plastic Pipe | 35.33 | 13.69 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-15.36* | |
| 23 11 26 00-0006 | LF | 5" Fiberglass Reinforced Plastic Pipe | 41.58 | 15.73 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-17.30* | |
| 23 11 26 00-0007 | LF | 6" Fiberglass Reinforced Plastic Pipe | 48.57 | 17.57 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-19.80* | |
| 23 11 26 00-0008 | LF | 8" Fiberglass Reinforced Plastic Pipe | 67.26 | 21.22 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-23.84* | |
| 23 11 26 00-0009 | LF | 10" Fiberglass Reinforced Plastic Pipe | 89.66 | 25.23 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-28.42* | |
| 23 11 26 00-0010 | LF | 12" Fiberglass Reinforced Plastic Pipe | 211.08 | 31.77 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-35.75* | |

### 23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings *(23 11 26 00-0001)*

### 23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 26 00-0011)*

| | | | | |
|---|---|---|---|---|
| 23 11 26 00-0013 | EA | 2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow | 169.60 | 77.29 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-86.93* | |
| 23 11 26 00-0014 | EA | 3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow | 199.95 | 92.81 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-104.32* | |
| 23 11 26 00-0015 | EA | 4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow | 239.85 | 107.79 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-121.19* | |
| 23 11 26 00-0016 | EA | 5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow | 298.42 | 125.51 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-138.45* | |
| 23 11 26 00-0017 | EA | 6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow | 360.47 | 140.82 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-158.34* | |
| 23 11 26 00-0018 | EA | 8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow | 519.43 | 175.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-197.93* | |
| 23 11 26 00-0019 | EA | 10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow | 669.11 | 211.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-238.36* | |
| 23 11 26 00-0020 | EA | 12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow | 1,559.64 | 262.84 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-295.57* | |

### 23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows *(23 11 26 00-0011)*

| | | | | |
|---|---|---|---|---|
| 23 11 26 00-0022 | EA | 2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow | 170.01 | 77.29 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-86.93* | |
| 23 11 26 00-0023 | EA | 3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow | 200.07 | 92.81 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-104.32* | |
| 23 11 26 00-0024 | EA | 4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow | 240.22 | 107.90 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-121.27* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 11 26 00-0025 | EA | 5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow | 302.49 | 128.17 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-141.47* | |
| 23 11 26 00-0026 | EA | 6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow | 360.32 | 140.82 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-158.34* | |
| 23 11 26 00-0027 | EA | 8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow | 519.43 | 175.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-197.93* | |
| 23 11 26 00-0028 | EA | 10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow | 1,180.75 | 211.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-238.36* | |
| 23 11 26 00-0029 | EA | 12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow | 1,559.64 | 262.84 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-295.57* | |

## 23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees *(23 11 26 00-0011)*

| | | | | |
|---|---|---|---|---|
| 23 11 26 00-0031 | EA | 2" Fiberglass Reinforced Plastic Flanged Tee | 353.24 | 115.98 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-130.40* | |
| 23 11 26 00-0032 | EA | 3" Fiberglass Reinforced Plastic Flanged Tee | 437.64 | 139.70 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-157.04* | |
| 23 11 26 00-0033 | EA | 4" Fiberglass Reinforced Plastic Flanged Tee | 497.60 | 161.79 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-181.92* | |
| 23 11 26 00-0034 | EA | 5" Fiberglass Reinforced Plastic Flanged Tee | 634.33 | 192.19 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-212.30* | |
| 23 11 26 00-0035 | EA | 6" Fiberglass Reinforced Plastic Flanged Tee | 765.22 | 211.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-238.36* | |
| 23 11 26 00-0036 | EA | 8" Fiberglass Reinforced Plastic Flanged Tee | 963.12 | 262.84 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-295.57* | |
| 23 11 26 00-0037 | EA | 10" Fiberglass Reinforced Plastic Flanged Tee | 1,555.76 | 317.94 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-357.55* | |
| 23 11 26 00-0038 | EA | 12" Fiberglass Reinforced Plastic Flanged Tee | 2,084.99 | 386.56 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-434.66* | |

## 23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes *(23 11 26 00-0011)*

| | | | | |
|---|---|---|---|---|
| 23 11 26 00-0040 | EA | 2" Fiberglass Reinforced Plastic Flanged Wye | 474.67 | 115.98 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-130.40* | |
| 23 11 26 00-0041 | EA | 3" Fiberglass Reinforced Plastic Flanged Wye | 611.16 | 139.48 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-156.84* | |
| 23 11 26 00-0042 | EA | 4" Fiberglass Reinforced Plastic Flanged Wye | 718.33 | 161.79 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-181.91* | |
| 23 11 26 00-0043 | EA | 5" Fiberglass Reinforced Plastic Flanged Wye | 822.28 | 192.19 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-212.30* | |
| 23 11 26 00-0044 | EA | 6" Fiberglass Reinforced Plastic Flanged Wye | 920.42 | 211.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-238.36* | |
| 23 11 26 00-0045 | EA | 8" Fiberglass Reinforced Plastic Flanged Wye | 1,208.57 | 262.84 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-295.57* | |
| 23 11 26 00-0046 | EA | 10" Fiberglass Reinforced Plastic Flanged Wye | 1,865.34 | 317.94 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-357.55* | |
| 23 11 26 00-0047 | EA | 12" Fiberglass Reinforced Plastic Flanged Wye | 2,422.46 | 386.56 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-434.66* | |

## 23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers *(23 11 26 00-0011)*

| | | | | |
|---|---|---|---|---|
| 23 11 26 00-0049 | EA | 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer | 267.90 | 77.29 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-86.93* | |
| 23 11 26 00-0050 | EA | 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer | 348.66 | 92.81 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-104.32* | |
| 23 11 26 00-0051 | EA | 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer | 381.15 | 107.90 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-121.27* | |
| 23 11 26 00-0052 | EA | 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer | 442.24 | 128.17 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-141.47* | |
| 23 11 26 00-0053 | EA | 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer | 498.84 | 140.82 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-158.34* | |
| 23 11 26 00-0054 | EA | 8" Fiberglass Reinforced Plastic Flanged Concentric Reducer | 664.94 | 175.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-197.93* | |
| 23 11 26 00-0055 | EA | 10" Fiberglass Reinforced Plastic Flanged Concentric Reducer | 851.67 | 211.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-238.36* | |
| 23 11 26 00-0056 | EA | 12" Fiberglass Reinforced Plastic Flanged Concentric Reducer | 1,167.49 | 262.84 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-295.57* | |

## 23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 26 00-0011)*

| | | | | |
|---|---|---|---|---|
| 23 11 26 00-0058 | EA | 2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter | 213.64 | 77.29 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-86.93* | |
| 23 11 26 00-0059 | EA | 3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter | 245.02 | 92.81 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-104.32* | |
| 23 11 26 00-0060 | EA | 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter | 277.62 | 107.90 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-121.27* | |
| 23 11 26 00-0061 | EA | 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter | 340.83 | 128.17 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-141.47* | |
| 23 11 26 00-0062 | EA | 6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter | 399.60 | 140.82 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-158.34* | |
| 23 11 26 00-0063 | EA | 8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter | 391.52 | 175.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-197.93* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 11 26 00-0064 | EA | 10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter | 501.19 | 211.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-238.36* | |
| 23 11 26 00-0065 | EA | 12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter | 792.83 | 262.84 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-295.57* | |
| **23 11 26 00-0066** | | **Fiberglass Reinforced Plastic Nipples** *(23 11 26 00-0011)* | | |
| 23 11 26 00-0067 | EA | 2" x 6" Fiberglass Reinforced Plastic Nipple | 40.89 | 9.27 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-10.43* | |
| 23 11 26 00-0068 | EA | 2" x 12" Fiberglass Reinforced Plastic Nipple | 81.71 | 18.54 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-20.81* | |
| 23 11 26 00-0069 | EA | 3" x 8" Fiberglass Reinforced Plastic Nipple | 139.26 | 14.23 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-16.01* | |
| 23 11 26 00-0070 | EA | 3" x 12" Fiberglass Reinforced Plastic Nipple | 161.51 | 19.74 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-22.19* | |
| 23 11 26 00-0071 | EA | 4" x 8" Fiberglass Reinforced Plastic Nipple | 151.03 | 14.04 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-15.83* | |
| 23 11 26 00-0072 | EA | 4" x 12" Fiberglass Reinforced Plastic Nipple | 181.56 | 21.11 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-23.75* | |
| 23 11 26 00-0073 | EA | 6" x 12" Fiberglass Reinforced Plastic Nipple | 225.74 | 23.65 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-26.12* | |
| 23 11 26 00-0074 | EA | 6" x 12" Fiberglass Reinforced Plastic Nipple | 269.89 | 25.33 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-28.53* | |
| 23 11 26 00-0075 | EA | 8" x 18" Fiberglass Reinforced Plastic Nipple | 141.47 | 29.56 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-33.25* | |
| 23 11 26 00-0076 | EA | 8" x 24" Fiberglass Reinforced Plastic Nipple | 192.81 | 42.23 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-47.47* | |
| 23 11 26 00-0077 | EA | 10" x 18" Fiberglass Reinforced Plastic Nipple | 239.04 | 30.08 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-33.80* | |
| 23 11 26 00-0078 | EA | 10" x 24" Fiberglass Reinforced Plastic Nipple | 358.79 | 44.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-50.61* | |
| 23 11 26 00-0079 | EA | 12" x 18" Fiberglass Reinforced Plastic Nipple | 279.42 | 31.04 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-34.85* | |
| 23 11 26 00-0080 | EA | 12" x 24" Fiberglass Reinforced Plastic Nipple | 365.22 | 46.45 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-52.28* | |
| **23 11 26 00-0081** | | **Fiberglass Reinforced Plastic Sleeve Couplings** *(23 11 26 00-0011)* | | |
| 23 11 26 00-0082 | EA | 2" Fiberglass Reinforced Plastic Sleeve Coupling | 140.68 | 77.29 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-86.93* | |
| 23 11 26 00-0083 | EA | 3" Fiberglass Reinforced Plastic Sleeve Coupling | 169.27 | 92.81 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-104.32* | |
| 23 11 26 00-0084 | EA | 4" Fiberglass Reinforced Plastic Sleeve Coupling | 195.67 | 107.90 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-121.27* | |
| 23 11 26 00-0085 | EA | 5" Fiberglass Reinforced Plastic Sleeve Coupling | 235.61 | 128.17 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-141.47* | |
| 23 11 26 00-0086 | EA | 6" Fiberglass Reinforced Plastic Sleeve Coupling | 271.08 | 140.82 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-158.34* | |
| 23 11 26 00-0087 | EA | 8" Fiberglass Reinforced Plastic Sleeve Coupling | 351.84 | 175.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-197.93* | |
| 23 11 26 00-0088 | EA | 10" Fiberglass Reinforced Plastic Sleeve Coupling | 451.72 | 211.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-238.36* | |
| 23 11 26 00-0089 | EA | 12" Fiberglass Reinforced Plastic Sleeve Coupling | 551.99 | 262.84 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-295.57* | |
| **23 11 26 00-0090** | | **Fiberglass Reinforced Plastic Flanges** *(23 11 26 00-0011)* | | |
| 23 11 26 00-0091 | EA | 2" Fiberglass Reinforced Plastic Flange | 143.78 | 77.29 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-86.93* | |
| 23 11 26 00-0092 | EA | 3" Fiberglass Reinforced Plastic Flange | 173.37 | 92.81 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-104.32* | |
| 23 11 26 00-0093 | EA | 4" Fiberglass Reinforced Plastic Flange | 204.43 | 105.45 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-118.55* | |
| 23 11 26 00-0094 | EA | 5" Fiberglass Reinforced Plastic Flange | 246.90 | 125.51 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-138.55* | |
| 23 11 26 00-0095 | EA | 6" Fiberglass Reinforced Plastic Flange | 289.07 | 140.82 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-158.34* | |
| 23 11 26 00-0096 | EA | 8" Fiberglass Reinforced Plastic Flange | 358.55 | 168.47 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-189.47* | |
| 23 11 26 00-0097 | EA | 10" Fiberglass Reinforced Plastic Flange | 479.71 | 211.97 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-238.36* | |
| 23 11 26 00-0098 | EA | 12" Fiberglass Reinforced Plastic Flange | 663.92 | 262.84 |
| | | *For Use As Inner Pipe In Double Wall Pipe System, Deduct* | *-295.57* | |
| **23 11 26 00-0099** | | **Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings** *(23 11 26)* | | |
| **23 11 26 00-0100** | | **Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing** *(23 11 26 00-0099)* | | |
| 23 11 26 00-0101 | LF | 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing | 127.53 | 33.31 |
| 23 11 26 00-0102 | LF | 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing | 152.02 | 39.46 |
| 23 11 26 00-0103 | LF | 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing | 194.06 | 58.21 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 11 26 00-0104 | LF | 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing | 272.64 | 75.46 |
| 23 11 26 00-0105 | LF | 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing | 391.30 | 90.78 |
| 23 11 26 00-0106 | LF | 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing | 533.77 | 107.67 |
| 23 11 26 00-0107 | LF | 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing | 682.03 | 135.85 |

### 23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings *(23 11 26 00-0099)*

### 23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows *(23 11 26 00-0108)*

| | | | | |
|---|---|---|---|---|
| 23 11 26 00-0110 | EA | 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow | 2,264.69 | 412.19 |
| 23 11 26 00-0111 | EA | 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow | 2,608.09 | 494.76 |
| 23 11 26 00-0112 | EA | 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow | 3,262.35 | 574.95 |
| 23 11 26 00-0113 | EA | 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow | 5,705.49 | 750.85 |
| 23 11 26 00-0114 | EA | 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow | 9,243.37 | 938.74 |
| 23 11 26 00-0115 | EA | 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow | 12,465.85 | 1,129.38 |
| 23 11 26 00-0116 | EA | 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow | 16,647.05 | 1,398.56 |

### 23 11 26 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows *(23 11 26 00-0108)*

| | | | | |
|---|---|---|---|---|
| 23 11 26 00-0118 | EA | 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow | 2,268.27 | 412.19 |
| 23 11 26 00-0119 | EA | 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow | 2,601.81 | 494.76 |
| 23 11 26 00-0120 | EA | 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow | 3,257.42 | 574.95 |
| 23 11 26 00-0121 | EA | 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow | 5,676.46 | 750.85 |
| 23 11 26 00-0122 | EA | 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow | 9,201.35 | 938.74 |
| 23 11 26 00-0123 | EA | 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow | 12,408.86 | 1,129.92 |
| 23 11 26 00-0124 | EA | 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow | 16,573.81 | 1,401.73 |

### 23 11 26 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees *(23 11 26 00-0108)*

| | | | | |
|---|---|---|---|---|
| 23 11 26 00-0126 | EA | 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee | 3,154.34 | 618.29 |
| 23 11 26 00-0127 | EA | 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee | 3,951.38 | 745.16 |
| 23 11 26 00-0128 | EA | 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee | 4,460.39 | 862.87 |
| 23 11 26 00-0129 | EA | 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee | 7,250.12 | 1,130.44 |
| 23 11 26 00-0130 | EA | 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee | 9,167.08 | 1,401.73 |
| 23 11 26 00-0131 | EA | 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee | 15,937.12 | 1,693.70 |
| 23 11 26 00-0132 | EA | 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee | 21,771.49 | 2,053.56 |

### 23 11 26 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes *(23 11 26 00-0108)*

| | | | | |
|---|---|---|---|---|
| 23 11 26 00-0134 | EA | 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye | 4,662.00 | 618.29 |
| 23 11 26 00-0135 | EA | 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye | 6,107.85 | 744.30 |
| 23 11 26 00-0136 | EA | 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye | 7,201.46 | 862.87 |
| 23 11 26 00-0137 | EA | 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye | 9,177.18 | 1,130.44 |
| 23 11 26 00-0138 | EA | 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye | 12,214.65 | 1,401.73 |
| 23 11 26 00-0139 | EA | 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye | 19,781.08 | 1,693.70 |
| 23 11 26 00-0140 | EA | 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye | 25,961.63 | 2,053.56 |

### 23 11 26 00-0141 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers *(23 11 26 00-0108)*

| | | | | |
|---|---|---|---|---|
| 23 11 26 00-0142 | EA | 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer | 2,505.28 | 412.19 |
| 23 11 26 00-0143 | EA | 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer | 3,343.85 | 494.76 |
| 23 11 26 00-0144 | EA | 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer | 3,586.99 | 574.95 |
| 23 11 26 00-0145 | EA | 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer | 4,698.16 | 750.85 |
| 23 11 26 00-0146 | EA | 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer | 6,387.07 | 938.74 |
| 23 11 26 00-0147 | EA | 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer | 8,321.92 | 1,129.38 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 11 26 00-0148 | EA | 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer | 11,699.86 | 1,398.56 |
| **23 11 26 00-0149** | | **Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters** *(23 11 26 00-0108)* | | |
| 23 11 26 00-0150 | EA | 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter | 1,831.49 | 412.19 |
| 23 11 26 00-0151 | EA | 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter | 2,057.07 | 494.76 |
| 23 11 26 00-0152 | EA | 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter | 2,301.45 | 574.95 |
| 23 11 26 00-0153 | EA | 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter | 3,465.98 | 750.85 |
| 23 11 26 00-0154 | EA | 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter | 2,992.06 | 938.74 |
| 23 11 26 00-0155 | EA | 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter | 3,970.20 | 1,129.38 |
| 23 11 26 00-0156 | EA | 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter | 7,047.86 | 1,398.56 |
| **23 11 26 00-0157** | | **Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples** *(23 11 26 00-0108)* | | |
| 23 11 26 00-0158 | EA | 2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 409.21 | 49.48 |
| 23 11 26 00-0159 | EA | 2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 818.04 | 98.73 |
| 23 11 26 00-0160 | EA | 3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 1,578.05 | 75.89 |
| 23 11 26 00-0161 | EA | 3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 1,795.73 | 105.25 |
| 23 11 26 00-0162 | EA | 4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 1,725.73 | 75.06 |
| 23 11 26 00-0163 | EA | 4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 2,030.16 | 112.64 |
| 23 11 26 00-0164 | EA | 6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 3,081.69 | 135.33 |
| 23 11 26 00-0165 | EA | 8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 1,442.59 | 157.71 |
| 23 11 26 00-0166 | EA | 8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 1,945.72 | 225.16 |
| 23 11 26 00-0167 | EA | 10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 2,648.83 | 160.24 |
| 23 11 26 00-0168 | EA | 10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 3,976.93 | 240.04 |
| 23 11 26 00-0169 | EA | 12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 3,140.25 | 165.31 |
| 23 11 26 00-0170 | EA | 12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple | 4,041.06 | 247.96 |
| **23 11 26 00-0171** | | **Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges** *(23 11 26 00-0108)* | | |
| 23 11 26 00-0172 | EA | 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange | 1,418.70 | 562.22 |
| 23 11 26 00-0173 | EA | 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange | 2,093.59 | 750.85 |
| 23 11 26 00-0174 | EA | 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange | 2,662.73 | 898.74 |
| 23 11 26 00-0175 | EA | 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange | 3,703.43 | 1,129.38 |
| 23 11 26 00-0176 | EA | 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange | 5,447.16 | 1,398.56 |

# 23 12 Facility Fuel Pumps *(23 10)*

## 23 12 13 Facility Fuel-Oil Pumps *(23 12)*

**23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump** *(23 12 13)*

Note: Heavy-duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

**23 12 13 00-0002 10 GPM 1" Discharge** *(23 12 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 12 13 00-0003 | EA | 10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge | 1,520.88 | 312.76 |
| 23 12 13 00-0004 | EA | 10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge | 1,597.32 | 378.55 |
| 23 12 13 00-0005 | EA | 10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge | 1,749.92 | 449.73 |

**23 12 13 00-0006 25 GPM 1-1/4" Discharge** *(23 12 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 12 13 00-0007 | EA | 25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge | 1,642.12 | 312.76 |
| 23 12 13 00-0008 | EA | 25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge | 1,729.89 | 378.55 |
| 23 12 13 00-0009 | EA | 25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge | 1,817.48 | 449.73 |

**23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI** *(23 12 13)*

| | | | | |
|---|---|---|---|---|
| 23 12 13 00-0011 | EA | 1/4 HP Pump Fuel Oil/Diesel | 1,144.54 | 175.25 |
| 23 12 13 00-0012 | EA | 1/3 HP Pump Fuel Oil/Diesel | 1,344.19 | 196.29 |
| 23 12 13 00-0013 | EA | 1/2 HP Pump Fuel Oil/Diesel | 1,470.48 | 220.01 |
| 23 12 13 00-0014 | EA | 3/4 HP Pump Fuel Oil/Diesel | 1,605.41 | 248.05 |
| 23 12 13 00-0015 | EA | 1 HP Pump Fuel Oil/Diesel | 2,247.35 | 276.10 |
| 23 12 13 00-0016 | EA | 1-1/2 HP Pump Fuel Oil/Diesel | 2,744.39 | 308.98 |
| 23 12 13 00-0017 | EA | 2 HP Pump Fuel Oil/Diesel | 3,041.90 | 346.19 |
| 23 12 13 00-0018 | EA | 3 HP Pump Fuel Oil/Diesel | 3,703.75 | 387.18 |
| 23 12 13 00-0019 | EA | 5 HP Pump Fuel Oil/Diesel | 4,362.58 | 434.10 |
| 23 12 13 00-0020 | EA | 7.5 HP Pump Fuel Oil/Diesel | 4,884.63 | 486.94 |
| 23 12 13 00-0021 | EA | 10 HP Pump Fuel Oil/Diesel | 5,476.50 | 545.82 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 12 23** | | **Facility Natural-Gas Pumps** *(23 12)* | | |
| 23 12 23 00-0001 | | Natural Gas Booster Pump *(23 12 23)* | | |
| 23 12 23 00-0002 | EA | Natural Gas Booster Pump, 3/4" Outlet Size | 1,238.01 | 161.78 |
| 23 12 23 00-0003 | EA | Natural Gas Booster Pump, 1" Outlet Size | 1,470.66 | 180.64 |
| 23 12 23 00-0004 | EA | Natural Gas Booster Pump, 1-1/4" Outlet Size | 1,651.71 | 188.74 |
| 23 12 23 00-0005 | EA | Natural Gas Booster Pump, 1-1/2" Outlet Size | 1,877.72 | 196.82 |
| 23 12 23 00-0006 | EA | Natural Gas Booster Pump, 2" Outlet Size | 2,128.38 | 202.21 |
| **23 13** | | **Facility Fuel-Storage Tanks** *(23 10)* | | |
| **23 13 13** | | **Facility Underground Fuel-Oil, Storage Tanks** *(23 13)* | | |
| **23 13 13 13** | | **Double-Wall Steel, Underground Fuel-Oil, Storage Tanks** *(23 13 13)* | | |
| 23 13 13 13-0001 | | Coated Underground Double Wall Storage Tanks *(23 13 13 13)*<br>Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping. | | |
| 23 13 13 13-0002 | EA | 250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 16,792.85 | 755.53 |
| 23 13 13 13-0003 | EA | 550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 18,148.12 | 755.53 |
| 23 13 13 13-0004 | EA | 1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 26,237.27 | 944.35 |
| 23 13 13 13-0005 | EA | 2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 35,885.82 | 1,844.55 |
| 23 13 13 13-0006 | EA | 3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 57,187.32 | 2,371.43 |
| 23 13 13 13-0007 | EA | 4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 63,701.58 | 2,723.65 |
| 23 13 13 13-0008 | EA | 5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 68,709.69 | 3,601.24 |
| 23 13 13 13-0009 | EA | 6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 71,039.53 | 3,866.55 |
| 23 13 13 13-0010 | EA | 8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 86,714.58 | 4,567.85 |
| 23 13 13 13-0011 | EA | 10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 100,429.44 | 5,268.68 |
| 23 13 13 13-0012 | EA | 12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 128,551.32 | 5,793.92 |
| 23 13 13 13-0013 | EA | 14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 152,380.75 | 7,034.74 |
| 23 13 13 13-0014 | EA | 15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 157,382.14 | 7,465.69 |
| 23 13 13 13-0015 | EA | 20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 192,881.78 | 11,842.13 |
| 23 13 13 13-0016 | EA | 25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 236,975.87 | 15,356.34 |
| 23 13 13 13-0017 | EA | 30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 279,256.04 | 17,570.46 |
| 23 13 13 13-0018 | EA | 40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 359,476.07 | 18,888.24 |
| 23 13 13 13-0019 | EA | 48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars | 487,521.41 | 19,372.59 |
| **23 13 13 23** | | **Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks** *(23 13 13)* | | |
| 23 13 13 23-0001 | | Underground Fiberglass Storage Tanks *(23 13 13 23)* | | |
| 23 13 13 23-0002 | | Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*<br>Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill. | | |
| 23 13 13 23-0003 | EA | 550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 4,493.73 | 755.53 |
| 23 13 13 23-0004 | EA | 1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 5,645.42 | 944.35 |
| 23 13 13 23-0005 | EA | 2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 7,340.04 | 1,168.44 |
| 23 13 13 23-0006 | EA | 2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 8,323.77 | 1,423.21 |
| 23 13 13 23-0007 | EA | 3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 9,304.10 | 1,669.20 |
| 23 13 13 23-0008 | EA | 4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 11,298.48 | 2,196.31 |
| 23 13 13 23-0009 | EA | 5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 13,379.41 | 3,338.38 |
| 23 13 13 23-0010 | EA | 6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 15,078.46 | 4,216.91 |
| 23 13 13 23-0011 | EA | 8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 18,128.36 | 4,744.02 |
| 23 13 13 23-0012 | EA | 10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 20,368.43 | 5,622.55 |
| 23 13 13 23-0013 | EA | 12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 26,316.36 | 6,676.78 |
| 23 13 13 23-0014 | EA | 15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 32,328.36 | 8,345.96 |
| 23 13 13 23-0015 | EA | 20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 40,745.86 | 11,157.24 |
| 23 13 13 23-0016 | EA | 25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 61,209.65 | 13,880.66 |
| 23 13 13 23-0017 | EA | 30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 75,085.86 | 16,691.93 |
| 23 13 13 23-0018 | EA | 40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 107,112.85 | 24,159.37 |
| 23 13 13 23-0019 | EA | 50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps | 152,960.26 | 30,748.29 |
| 23 13 13 23-0020 | | Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*<br>Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill. | | |
| 23 13 13 23-0021 | EA | 550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 8,747.19 | 755.53 |
| 23 13 13 23-0022 | EA | 1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 11,534.99 | 944.35 |
| 23 13 13 23-0023 | EA | 2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 13,829.10 | 1,142.08 |
| 23 13 13 23-0024 | EA | 3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 17,958.68 | 1,669.31 |
| 23 13 13 23-0025 | EA | 4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 20,133.37 | 2,196.31 |
| 23 13 13 23-0026 | EA | 5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 23,091.77 | 3,338.38 |
| 23 13 13 23-0027 | EA | 6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 25,656.28 | 4,216.91 |
| 23 13 13 23-0028 | EA | 8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 31,591.04 | 4,744.02 |
| 23 13 13 23-0029 | EA | 10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 33,831.11 | 5,622.55 |
| 23 13 13 23-0030 | EA | 12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 40,981.06 | 6,676.78 |
| 23 13 13 23-0031 | EA | 15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 56,428.96 | 8,345.96 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 13 13 23-0032 | EA | 20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 69,834.87 | 11,157.24 |
| 23 13 13 23-0033 | EA | 30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps | 108,021.35 | 16,691.93 |

### 23 13 13 23-0034 Underground Storage Tank Pump Enclosures *(23 13 13 23)*

| | | | | |
|---|---|---|---|---|
| 23 13 13 23-0035 | EA | Secondary Containment Collar | 3,294.80 | |
| 23 13 13 23-0036 | EA | Turbine Enclosure With Lid 4' Long x 42" Diameter | 3,294.80 | |
| 23 13 13 23-0037 | EA | Fitting Kit For Turbine Enclosure | 658.96 | |
| 23 13 13 23-0038 | EA | Grommet Kits For Plumbing And Electrical | 1,317.92 | |
| 23 13 13 23-0039 | EA | Turbine Electrical Coupling Kit | 1,647.40 | |

## 23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks *(23 13)*

## 23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

### 23 13 23 13-0001 Vertical Rectangular Double Wall Steel Fuel Day Tank *(23 13 23 13)*

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

| | | | | |
|---|---|---|---|---|
| 23 13 23 13-0002 | EA | 10 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 1,182.23 | 140.53 |
| 23 13 23 13-0003 | EA | 15 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 1,269.36 | 147.55 |
| 23 13 23 13-0004 | EA | 25 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 1,377.79 | 158.09 |
| 23 13 23 13-0005 | EA | 50 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 1,582.21 | 168.63 |
| 23 13 23 13-0006 | EA | 60 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 1,763.65 | 175.66 |
| 23 13 23 13-0007 | EA | 75 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 2,079.34 | 210.78 |
| 23 13 23 13-0008 | EA | 100 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 2,796.19 | 245.91 |
| 23 13 23 13-0009 | EA | 150 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 3,537.04 | 281.04 |
| 23 13 23 13-0010 | EA | 200 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 4,535.04 | 316.17 |
| 23 13 23 13-0011 | EA | 275 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 5,054.74 | 351.31 |
| 23 13 23 13-0012 | EA | 300 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 5,785.57 | 421.57 |
| 23 13 23 13-0013 | EA | 350 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 6,482.11 | 491.83 |
| 23 13 23 13-0014 | EA | 400 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 7,199.23 | 562.09 |
| 23 13 23 13-0015 | EA | 450 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 7,988.08 | 597.22 |
| 23 13 23 13-0016 | EA | 500 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 8,782.07 | 632.35 |
| 23 13 23 13-0017 | EA | 550 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 9,684.07 | 667.48 |
| 23 13 23 13-0018 | EA | 600 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 10,472.92 | 702.61 |
| 23 13 23 13-0019 | EA | 700 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 11,667.15 | 843.14 |
| 23 13 23 13-0020 | EA | 800 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 12,584.83 | 913.39 |
| 23 13 23 13-0021 | EA | 900 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 13,815.06 | 1,053.92 |
| 23 13 23 13-0022 | EA | 1,000 Gallon Double Wall Steel Day Tank (Tramont TRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 15,050.43 | 1,194.45 |
| 23 13 23 13-0023 | EA | 10 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 1,432.52 | 140.53 |
| 23 13 23 13-0024 | EA | 15 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 1,521.36 | 147.55 |
| 23 13 23 13-0025 | EA | 25 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 1,629.79 | 158.09 |
| 23 13 23 13-0026 | EA | 50 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 1,832.50 | 168.63 |
| 23 13 23 13-0027 | EA | 60 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 2,013.94 | 175.66 |
| 23 13 23 13-0028 | EA | 75 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 2,331.35 | 210.78 |
| 23 13 23 13-0029 | EA | 100 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 3,072.20 | 245.91 |
| 23 13 23 13-0030 | EA | 150 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 3,813.05 | 281.04 |
| 23 13 23 13-0031 | EA | 200 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 4,811.05 | 316.17 |
| 23 13 23 13-0032 | EA | 275 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 5,330.75 | 351.31 |
| 23 13 23 13-0033 | EA | 300 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 6,061.57 | 421.57 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 13 23 13-0034 | EA | 350 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 6,758.11 | 491.83 |
| 23 13 23 13-0035 | EA | 400 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 7,475.24 | 562.09 |
| 23 13 23 13-0036 | EA | 450 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 8,264.09 | 597.22 |
| 23 13 23 13-0037 | EA | 500 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 9,058.08 | 632.35 |
| 23 13 23 13-0038 | EA | 550 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 9,961.79 | 667.48 |
| 23 13 23 13-0039 | EA | 600 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 10,750.64 | 702.61 |
| 23 13 23 13-0040 | EA | 700 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 11,943.15 | 843.14 |
| 23 13 23 13-0041 | EA | 800 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 12,860.83 | 913.39 |
| 23 13 23 13-0042 | EA | 900 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 14,091.06 | 1,053.92 |
| 23 13 23 13-0043 | EA | 1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX)<br>Note: Includes rust-inhibitor coated interior and gray painted exterior. | 15,326.44 | 1,194.45 |
| 23 13 23 13-0044 | EA | 10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 2,380.54 | 140.53 |
| 23 13 23 13-0045 | EA | 15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 2,459.10 | 147.55 |
| 23 13 23 13-0046 | EA | 25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 2,529.81 | 158.09 |
| 23 13 23 13-0047 | EA | 50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 2,801.09 | 168.63 |
| 23 13 23 13-0048 | EA | 60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 2,903.67 | 175.66 |
| 23 13 23 13-0049 | EA | 75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 3,209.08 | 210.78 |
| 23 13 23 13-0050 | EA | 100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 3,862.50 | 245.91 |
| 23 13 23 13-0051 | EA | 150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 4,874.21 | 281.04 |
| 23 13 23 13-0052 | EA | 200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 5,481.34 | 316.17 |
| 23 13 23 13-0053 | EA | 275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 7,163.36 | 351.31 |
| 23 13 23 13-0054 | EA | 300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 8,096.47 | 421.57 |
| 23 13 23 13-0055 | EA | 350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 8,659.30 | 491.83 |
| 23 13 23 13-0056 | EA | 400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 9,424.42 | 562.09 |
| 23 13 23 13-0057 | EA | 450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 10,177.27 | 597.22 |
| 23 13 23 13-0058 | EA | 500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 11,170.12 | 632.35 |
| 23 13 23 13-0059 | EA | 550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 11,583.54 | 667.48 |
| 23 13 23 13-0060 | EA | 600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 11,954.09 | 702.61 |
| 23 13 23 13-0061 | EA | 700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 13,674.62 | 843.14 |
| 23 13 23 13-0062 | EA | 800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 15,341.45 | 913.39 |
| 23 13 23 13-0063 | EA | 900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 17,164.84 | 1,053.92 |
| 23 13 23 13-0064 | EA | 1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 19,017.37 | 1,194.45 |
| 23 13 23 13-0065 | EA | 10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 3,511.99 | 140.53 |
| 23 13 23 13-0066 | EA | 15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 3,590.55 | 147.55 |
| 23 13 23 13-0067 | EA | 25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 3,661.26 | 158.09 |
| 23 13 23 13-0068 | EA | 50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 3,932.54 | 168.63 |
| 23 13 23 13-0069 | EA | 60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 4,035.12 | 175.66 |
| 23 13 23 13-0070 | EA | 75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 4,340.53 | 210.78 |
| 23 13 23 13-0071 | EA | 100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 4,993.95 | 245.91 |
| 23 13 23 13-0072 | EA | 150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 6,005.66 | 281.04 |
| 23 13 23 13-0073 | EA | 200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 6,688.23 | 316.17 |
| 23 13 23 13-0074 | EA | 275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 7,900.51 | 351.31 |
| 23 13 23 13-0075 | EA | 300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 8,833.63 | 421.57 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 13 23 13-0076 | EA | 350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 9,398.17 | 491.83 |
| 23 13 23 13-0077 | EA | 400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 10,161.58 | 562.09 |
| 23 13 23 13-0078 | EA | 450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 10,916.14 | 597.22 |
| 23 13 23 13-0079 | EA | 500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 11,907.28 | 632.35 |
| 23 13 23 13-0080 | EA | 550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 12,320.69 | 667.48 |
| 23 13 23 13-0081 | EA | 600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 12,691.25 | 702.61 |
| 23 13 23 13-0082 | EA | 700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 14,411.78 | 843.14 |
| 23 13 23 13-0083 | EA | 800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 16,080.33 | 913.39 |
| 23 13 23 13-0084 | EA | 900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 17,902.00 | 1,053.92 |
| 23 13 23 13-0085 | EA | 1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)<br>Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior. | 19,754.52 | 1,194.45 |
| 23 13 23 13-0086 | EA | 10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 4,144.57 | 140.53 |
| 23 13 23 13-0087 | EA | 15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 4,231.70 | 147.55 |
| 23 13 23 13-0088 | EA | 25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 4,304.13 | 158.09 |
| 23 13 23 13-0089 | EA | 50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 4,583.98 | 168.63 |
| 23 13 23 13-0090 | EA | 60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 4,734.56 | 175.66 |
| 23 13 23 13-0091 | EA | 75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 5,012.55 | 210.78 |
| 23 13 23 13-0092 | EA | 100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 5,691.68 | 245.91 |
| 23 13 23 13-0093 | EA | 150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 6,751.39 | 281.04 |
| 23 13 23 13-0094 | EA | 200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 7,380.81 | 316.17 |
| 23 13 23 13-0095 | EA | 275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 9,127.97 | 351.31 |
| 23 13 23 13-0096 | EA | 300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 10,109.08 | 421.57 |
| 23 13 23 13-0097 | EA | 350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 10,618.76 | 491.83 |
| 23 13 23 13-0098 | EA | 400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 11,486.75 | 562.09 |
| 23 13 23 13-0099 | EA | 450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 12,397.31 | 597.22 |
| 23 13 23 13-0100 | EA | 500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 13,313.02 | 632.35 |
| 23 13 23 13-0101 | EA | 550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 13,776.15 | 667.48 |
| 23 13 23 13-0102 | EA | 600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 14,120.99 | 702.61 |
| 23 13 23 13-0103 | EA | 700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 15,918.66 | 843.14 |
| 23 13 23 13-0104 | EA | 800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 17,666.07 | 913.39 |
| 23 13 23 13-0105 | EA | 900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 19,570.03 | 1,053.92 |
| 23 13 23 13-0106 | EA | 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 21,499.70 | 1,194.45 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 13 23 13-0107 | EA | 10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 5,276.03 | 140.53 |
| 23 13 23 13-0108 | EA | 15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 5,363.16 | 147.55 |
| 23 13 23 13-0109 | EA | 25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 5,435.58 | 158.09 |
| 23 13 23 13-0110 | EA | 50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 5,715.43 | 168.63 |
| 23 13 23 13-0111 | EA | 60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 5,866.01 | 175.66 |
| 23 13 23 13-0112 | EA | 75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 6,140.57 | 210.78 |
| 23 13 23 13-0113 | EA | 100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 6,823.13 | 245.91 |
| 23 13 23 13-0114 | EA | 150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 7,882.84 | 281.04 |
| 23 13 23 13-0115 | EA | 200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 8,512.26 | 316.17 |
| 23 13 23 13-0116 | EA | 275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 9,865.12 | 351.31 |
| 23 13 23 13-0117 | EA | 300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 10,846.24 | 421.57 |
| 23 13 23 13-0118 | EA | 350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 11,527.35 | 491.83 |
| 23 13 23 13-0119 | EA | 400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 12,223.90 | 562.09 |
| 23 13 23 13-0120 | EA | 450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 13,134.47 | 597.22 |
| 23 13 23 13-0121 | EA | 500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 14,050.18 | 632.35 |
| 23 13 23 13-0122 | EA | 550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 14,513.31 | 667.48 |
| 23 13 23 13-0123 | EA | 600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 14,859.87 | 702.61 |
| 23 13 23 13-0124 | EA | 700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 16,655.82 | 843.14 |
| 23 13 23 13-0125 | EA | 800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 18,403.23 | 913.39 |
| 23 13 23 13-0126 | EA | 900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 20,307.19 | 1,053.92 |
| 23 13 23 13-0127 | EA | 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)<br>Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior. | 22,236.86 | 1,194.45 |
| 23 13 23 13-0128 | EA | 150% Containment Double Wall Open Top Basin For 10 Gallon Tank | 1,171.05 | 140.53 |
| 23 13 23 13-0129 | EA | 150% Containment Double Wall Open Top Basin For 15 Gallon Tank | 1,268.74 | 147.55 |
| 23 13 23 13-0130 | EA | 150% Containment Double Wall Open Top Basin For 25 Gallon Tank | 1,376.83 | 158.09 |
| 23 13 23 13-0131 | EA | 150% Containment Double Wall Open Top Basin For 50 Gallon Tank | 1,573.16 | 168.63 |
| 23 13 23 13-0132 | EA | 150% Containment Double Wall Open Top Basin For 60 Gallon Tank | 2,089.50 | 175.66 |
| 23 13 23 13-0133 | EA | 150% Containment Double Wall Open Top Basin For 75 Gallon Tank | 2,148.05 | 210.78 |
| 23 13 23 13-0134 | EA | 150% Containment Double Wall Open Top Basin For 100 Gallon Tank | 2,699.92 | 245.91 |
| 23 13 23 13-0135 | EA | 150% Containment Double Wall Open Top Basin For 150 Gallon Tank | 3,340.03 | 281.04 |
| 23 13 23 13-0136 | EA | 150% Containment Double Wall Open Top Basin For 200 Gallon Tank | 4,385.21 | 316.17 |
| 23 13 23 13-0137 | EA | 150% Containment Double Wall Open Top Basin For 275 Gallon Tank | 5,507.32 | 351.31 |
| 23 13 23 13-0138 | EA | 150% Containment Double Wall Open Top Basin For 300 Gallon Tank | 6,611.05 | 421.57 |
| 23 13 23 13-0139 | EA | 150% Containment Double Wall Open Top Basin For 350 Gallon Tank | 7,106.05 | 491.83 |
| 23 13 23 13-0140 | EA | 150% Containment Double Wall Open Top Basin For 400 Gallon Tank | 7,603.33 | 562.09 |
| 23 13 23 13-0141 | EA | 150% Containment Double Wall Open Top Basin For 450 Gallon Tank | 8,347.54 | 597.22 |
| 23 13 23 13-0142 | EA | 150% Containment Double Wall Open Top Basin For 500 Gallon Tank | 9,094.01 | 632.35 |
| 23 13 23 13-0143 | EA | 150% Containment Double Wall Open Top Basin For 550 Gallon Tank | 9,743.20 | 667.48 |
| 23 13 23 13-0144 | EA | 150% Containment Double Wall Open Top Basin For 600 Gallon Tank | 10,399.14 | 702.61 |
| 23 13 23 13-0145 | EA | 150% Containment Double Wall Open Top Basin For 700 Gallon Tank | 11,769.32 | 843.14 |
| 23 13 23 13-0146 | EA | 150% Containment Double Wall Open Top Basin For 800 Gallon Tank | 13,063.12 | 913.39 |
| 23 13 23 13-0147 | EA | 150% Containment Double Wall Open Top Basin For 900 Gallon Tank | 14,510.25 | 1,053.92 |
| 23 13 23 13-0148 | EA | 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank | 15,907.59 | 1,194.45 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 13 23 13-0149 | EA | 200% Containment Double Wall Open Top Basin For 10 Gallon Tank | 1,234.80 | 147.55 |
| 23 13 23 13-0150 | EA | 200% Containment Double Wall Open Top Basin For 15 Gallon Tank | 1,343.14 | 158.09 |
| 23 13 23 13-0151 | EA | 200% Containment Double Wall Open Top Basin For 25 Gallon Tank | 1,456.24 | 168.63 |
| 23 13 23 13-0152 | EA | 200% Containment Double Wall Open Top Basin For 50 Gallon Tank | 1,656.66 | 175.66 |
| 23 13 23 13-0153 | EA | 200% Containment Double Wall Open Top Basin For 60 Gallon Tank | 2,247.87 | 210.78 |
| 23 13 23 13-0154 | EA | 200% Containment Double Wall Open Top Basin For 75 Gallon Tank | 2,306.42 | 245.91 |
| 23 13 23 13-0155 | EA | 200% Containment Double Wall Open Top Basin For 100 Gallon Tank | 2,885.69 | 281.04 |
| 23 13 23 13-0156 | EA | 200% Containment Double Wall Open Top Basin For 150 Gallon Tank | 3,558.12 | 316.17 |
| 23 13 23 13-0157 | EA | 200% Containment Double Wall Open Top Basin For 200 Gallon Tank | 4,658.11 | 351.31 |
| 23 13 23 13-0158 | EA | 200% Containment Double Wall Open Top Basin For 275 Gallon Tank | 5,839.31 | 386.44 |
| 23 13 23 13-0159 | EA | 200% Containment Double Wall Open Top Basin For 300 Gallon Tank | 6,997.84 | 456.70 |
| 23 13 23 13-0160 | EA | 200% Containment Double Wall Open Top Basin For 350 Gallon Tank | 7,513.85 | 526.96 |
| 23 13 23 13-0161 | EA | 200% Containment Double Wall Open Top Basin For 400 Gallon Tank | 8,032.24 | 597.22 |
| 23 13 23 13-0162 | EA | 200% Containment Double Wall Open Top Basin For 450 Gallon Tank | 8,814.54 | 632.35 |
| 23 13 23 13-0163 | EA | 200% Containment Double Wall Open Top Basin For 500 Gallon Tank | 9,599.23 | 667.48 |
| 23 13 23 13-0164 | EA | 200% Containment Double Wall Open Top Basin For 550 Gallon Tank | 10,281.23 | 702.61 |
| 23 13 23 13-0165 | EA | 200% Containment Double Wall Open Top Basin For 600 Gallon Tank | 11,028.92 | 772.88 |
| 23 13 23 13-0166 | EA | 200% Containment Double Wall Open Top Basin For 700 Gallon Tank | 12,462.20 | 913.39 |
| 23 13 23 13-0167 | EA | 200% Containment Double Wall Open Top Basin For 800 Gallon Tank | 13,938.49 | 1,053.92 |
| 23 13 23 13-0168 | EA | 200% Containment Double Wall Open Top Basin For 900 Gallon Tank | 15,453.00 | 1,194.45 |
| 23 13 23 13-0169 | EA | 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank | 16,914.95 | 1,334.96 |
| 23 13 23 13-0170 | EA | 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank | 1,349.82 | 140.53 |
| 23 13 23 13-0171 | EA | 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank | 1,470.14 | 147.55 |
| 23 13 23 13-0172 | EA | 150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank | 1,591.80 | 158.09 |
| 23 13 23 13-0173 | EA | 150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank | 1,833.39 | 168.63 |
| 23 13 23 13-0174 | EA | 150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank | 2,447.04 | 175.66 |
| 23 13 23 13-0175 | EA | 150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank | 2,505.59 | 210.78 |
| 23 13 23 13-0176 | EA | 150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank | 3,138.92 | 245.91 |
| 23 13 23 13-0177 | EA | 150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank | 3,885.39 | 281.04 |
| 23 13 23 13-0178 | EA | 150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank | 5,115.51 | 316.17 |
| 23 13 23 13-0179 | EA | 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank | 6,493.95 | 351.31 |
| 23 13 23 13-0180 | EA | 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank | 7,799.07 | 421.57 |
| 23 13 23 13-0181 | EA | 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank | 8,364.23 | 491.83 |
| 23 13 23 13-0182 | EA | 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank | 8,933.92 | 562.09 |
| 23 13 23 13-0183 | EA | 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank | 9,820.69 | 597.22 |
| 23 13 23 13-0184 | EA | 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank | 10,709.72 | 632.35 |
| 23 13 23 13-0185 | EA | 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank | 11,465.25 | 667.48 |
| 23 13 23 13-0186 | EA | 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank | 12,238.88 | 702.61 |
| 23 13 23 13-0187 | EA | 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank | 13,846.67 | 843.14 |
| 23 13 23 13-0188 | EA | 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank | 15,380.33 | 913.39 |
| 23 13 23 13-0189 | EA | 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank | 17,065.06 | 1,053.92 |
| 23 13 23 13-0190 | EA | 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank | 18,700.01 | 1,194.45 |
| 23 13 23 13-0191 | EA | 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank | 1,423.50 | 147.55 |
| 23 13 23 13-0192 | EA | 200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank | 1,555.72 | 158.09 |
| 23 13 23 13-0193 | EA | 200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank | 1,683.16 | 168.63 |
| 23 13 23 13-0194 | EA | 200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank | 1,931.35 | 175.66 |
| 23 13 23 13-0195 | EA | 200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank | 2,625.28 | 210.78 |
| 23 13 23 13-0196 | EA | 200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank | 2,683.83 | 245.91 |
| 23 13 23 13-0197 | EA | 200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank | 3,349.08 | 281.04 |
| 23 13 23 13-0198 | EA | 200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank | 4,133.78 | 316.17 |
| 23 13 23 13-0199 | EA | 200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank | 5,428.98 | 351.31 |
| 23 13 23 13-0200 | EA | 200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank | 6,880.74 | 386.44 |
| 23 13 23 13-0201 | EA | 200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank | 8,251.87 | 456.70 |
| 23 13 23 13-0202 | EA | 200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank | 8,841.93 | 526.96 |
| 23 13 23 13-0203 | EA | 200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank | 9,436.75 | 597.22 |
| 23 13 23 13-0204 | EA | 200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank | 10,369.53 | 632.35 |
| 23 13 23 13-0205 | EA | 200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank | 11,304.71 | 667.48 |
| 23 13 23 13-0206 | EA | 200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank | 12,098.95 | 702.61 |
| 23 13 23 13-0207 | EA | 200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank | 12,970.87 | 772.88 |
| 23 13 23 13-0208 | EA | 200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank | 14,654.95 | 913.39 |
| 23 13 23 13-0209 | EA | 200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank | 16,384.43 | 1,053.92 |
| 23 13 23 13-0210 | EA | 200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank | 18,149.75 | 1,194.45 |
| 23 13 23 13-0211 | EA | 200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank | 19,862.50 | 1,334.96 |

## 23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

### 23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

| | | | | |
|---|---|---|---|---|
| 23 13 23 16-0002 | EA | 300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 5,100.64 | 763.74 |
| 23 13 23 16-0003 | EA | 550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 6,131.49 | 924.52 |
| 23 13 23 16-0004 | EA | 1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 8,290.79 | 1,288.65 |
| 23 13 23 16-0005 | EA | 1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 10,720.69 | 1,610.81 |
| 23 13 23 16-0006 | EA | 2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 12,850.56 | 2,158.70 |
| 23 13 23 16-0007 | EA | 3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 19,437.36 | 2,222.19 |
| 23 13 23 16-0008 | EA | 5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 28,286.87 | 2,747.43 |
| 23 13 23 16-0009 | EA | 8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 38,881.18 | 3,148.04 |
| 23 13 23 16-0010 | EA | 10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 46,359.74 | 3,434.21 |
| 23 13 23 16-0011 | EA | 12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 53,827.41 | 3,777.64 |
| 23 13 23 16-0012 | EA | 15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 59,586.38 | 4,197.34 |
| 23 13 23 16-0013 | EA | 20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 74,419.87 | 5,396.59 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 13 23 16-0014 | EA | 30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 101,722.84 | 6,296.08 |
| **23 13 23 16-0015** | | **Double Wall Aboveground Storage Tanks** *(23 13 23 16)* | | |
| | | Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill. | | |
| 23 13 23 16-0016 | EA | 300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 8,106.90 | 952.98 |
| 23 13 23 16-0017 | EA | 550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 9,741.08 | 1,153.22 |
| 23 13 23 16-0018 | EA | 1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 12,989.70 | 1,610.81 |
| 23 13 23 16-0019 | EA | 1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 17,040.81 | 2,013.51 |
| 23 13 23 16-0020 | EA | 2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 21,888.01 | 2,698.35 |
| 23 13 23 16-0021 | EA | 2,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 26,505.15 | 2,698.35 |
| | | *For 1/4" Thick Shell, Add* | *6,361.24* | |
| | | *For Fireguard® Tanks, Add* | *3,865.81* | |
| 23 13 23 16-0022 | EA | 3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 31,233.02 | 2,777.65 |
| 23 13 23 16-0023 | EA | 4,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 38,478.43 | 3,099.78 |
| | | *For 1/4" Thick Shell, Add* | *9,234.82* | |
| | | *For Fireguard® Tanks, Add* | *5,806.04* | |
| 23 13 23 16-0024 | EA | 5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 45,723.75 | 3,421.79 |
| 23 13 23 16-0025 | EA | 6,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings | 51,048.35 | 3,556.26 |
| | | *For 1/4" Thick Shell, Add* | *12,251.60* | |
| | | *For Fireguard® Tanks, Add* | *7,834.50* | |
| 23 13 23 16-0026 | EA | 8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 63,244.80 | 3,935.07 |
| 23 13 23 16-0027 | EA | 10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 75,598.74 | 4,292.81 |
| 23 13 23 16-0028 | EA | 12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 87,900.53 | 4,722.00 |
| 23 13 23 16-0029 | EA | 15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 97,295.74 | 5,246.77 |
| 23 13 23 16-0030 | EA | 20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 121,425.19 | 6,745.76 |
| 23 13 23 16-0031 | EA | 25,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 144,019.33 | 7,307.90 |
| | | *For Fireguard® Tanks, Add* | *22,749.77* | |
| 23 13 23 16-0032 | EA | 30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings | 166,613.48 | 7,870.04 |
| **23 13 23 16-0033** | | **Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks** *(23 13 23 16)* | | |
| | | Note: Includes solenoid valve. Excludes piping and concrete pad. | | |
| 23 13 23 16-0034 | EA | 550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank | 15,809.77 | 1,153.22 |
| 23 13 23 16-0035 | EA | 750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank | 16,723.03 | 1,328.91 |
| 23 13 23 16-0036 | EA | 1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank | 18,788.37 | 1,610.81 |
| 23 13 23 16-0037 | EA | 1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank | 22,477.65 | 2,013.51 |
| 23 13 23 16-0038 | EA | 2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank<br>Note: Includes 2" solenoid valve. | 28,756.57 | 2,698.35 |
| **23 13 23 19** | | **Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks** *(23 13 23)* | | |
| **23 13 23 19-0001** | | **Secondary Containment For Above Ground Tanks** *(23 13 23 19)* | | |
| 23 13 23 19-0002 | EA | Steel Dike For 550 Gallon Tank, Uncoated | 6,414.88 | |
| 23 13 23 19-0003 | EA | Steel Dike For 1,000 Gallon Tank, Uncoated | 7,749.59 | |
| 23 13 23 19-0004 | EA | Steel Dike For 2,000 Gallon Tank, Uncoated | 16,975.35 | |
| 23 13 23 19-0005 | EA | Steel Dike For 3,000 Gallon Tank, Uncoated | 18,568.71 | |
| 23 13 23 19-0006 | EA | Steel Dike For 5,000 Gallon Tank, Uncoated | 26,410.95 | |
| 23 13 23 19-0007 | EA | Steel Dike For 6,000 Gallon Tank, Uncoated | 29,590.33 | |
| 23 13 23 19-0008 | EA | Steel Dike For 8,000 Gallon Tank, Uncoated | 39,074.71 | |
| 23 13 23 19-0009 | EA | Steel Dike For 10,000 Gallon Tank, Uncoated | 45,845.91 | |
| 23 13 23 19-0010 | EA | Steel Dike For 12,000 Gallon Tank, Uncoated | 52,099.66 | |
| 23 13 23 19-0011 | EA | Steel Dike For 15,000 Gallon Tank, Uncoated | 63,433.63 | |
| 23 13 23 19-0012 | EA | Steel Dike For 20,000 Gallon Tank, Uncoated | 81,224.05 | |
| **23 13 23 26** | | **Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks** *(23 13 23)* | | |
| **23 13 23 26-0001** | | **Aboveground Concrete Vaulted Storage Tanks** *(23 13 23 26)* | | |
| | | Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping. | | |
| 23 13 23 26-0002 | EA | 500 Gallon Concrete Vaulted Storage Tank | 35,417.91 | 1,633.93 |
| | | *For Low Profile Tanks, Add* | *13,255.20* | |
| 23 13 23 26-0003 | EA | 1,000 Gallon Concrete Vaulted Storage Tank | 44,670.62 | 1,844.55 |
| | | *For Low Profile Tanks, Add* | *16,838.73* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 13 23 26-0004 | EA | 2,000 Gallon Concrete Vaulted Storage Tank | 79,576.47 | 2,196.31 |
| | | *For Low Profile Tanks, Add* | *30,604.74* | |
| 23 13 23 26-0005 | EA | 4,000 Gallon Concrete Vaulted Storage Tank | 125,675.56 | 4,830.82 |
| 23 13 23 26-0006 | EA | 5,000 Gallon Concrete Vaulted Storage Tank | 143,664.62 | 5,276.05 |
| 23 13 23 26-0007 | EA | 6,000 Gallon Concrete Vaulted Storage Tank | 161,746.22 | 5,697.75 |
| 23 13 23 26-0008 | EA | 8,000 Gallon Concrete Vaulted Storage Tank | 179,804.65 | 6,182.80 |
| 23 13 23 26-0009 | EA | 10,000 Gallon Concrete Vaulted Storage Tank | 197,855.50 | 6,581.31 |

## 23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

### 23 13 33 00-0001 EPA Requirements *(23 13 33)*

| | | | | |
|---|---|---|---|---|
| 23 13 33 00-0002 | EA | Fill Pipe Spill Containment Manhole (5 Gallon) | 788.79 | |
| 23 13 33 00-0003 | EA | Over-Fill Prevention Valve | 1,487.84 | |
| 23 13 33 00-0004 | EA | Tank Manway With Cover, Fiberglass | 4,403.06 | |
| 23 13 33 00-0005 | EA | Tank Manway With Cover, Steel | 4,586.77 | |
| 23 13 33 00-0006 | EA | Vent Fill Alarm (Whistle Vent) | 181.37 | |
| 23 13 33 00-0007 | EA | Reservoir Sensor, Liquid Level | 551.02 | |
| 23 13 33 00-0008 | EA | Manhole Spill Containment | 1,251.73 | 273.91 |
| 23 13 33 00-0009 | EA | Fill Adapter, 4" | 396.83 | 182.64 |
| 23 13 33 00-0010 | EA | Fill Cap, 4" | 274.85 | 68.47 |
| 23 13 33 00-0011 | EA | 2" Vent Cap | 161.33 | 45.68 |
| 23 13 33 00-0012 | EA | 4" x 2" Extractor Fitting | 619.04 | 68.47 |
| 23 13 33 00-0013 | EA | Float Vent Valve | 420.83 | 136.95 |
| 23 13 33 00-0014 | EA | Vapor Hose Adapter | 571.00 | 91.27 |
| 23 13 33 00-0015 | EA | Dust Cap | 237.50 | 49.85 |
| 23 13 33 00-0016 | EA | 1" Double Poppet Foot Valve | 484.83 | 78.23 |
| 23 13 33 00-0017 | EA | 10' Wood Gage Stick | 43.31 | |
| 23 13 33 00-0018 | EA | 1-1/4" Tank Filled Breather, NPT | 222.38 | |
| 23 13 33 00-0019 | EA | 1-1/2" Tank Filled Breather, Bayonet | 307.42 | |
| 23 13 33 00-0020 | EA | 2" Cast Iron Combination Fill Cap And Vent | 83.86 | |
| 23 13 33 00-0021 | EA | 3" Cast Iron Combination Fill Cap And Vent | 113.04 | |
| 23 13 33 00-0022 | EA | 4" Cast Iron Combination Fill Cap And Vent | 177.34 | |
| 23 13 33 00-0023 | EA | Pressure And Vacuum Control Vent | 1,432.55 | |
| 23 13 33 00-0024 | EA | 1/4 HP Fuel/Diesel Pump Set | 1,940.66 | |
| 23 13 33 00-0025 | EA | 1/3 HP Fuel/Diesel Pump Set | 2,299.01 | |
| 23 13 33 00-0026 | EA | 1/2 HP Fuel/Diesel Pump Set | 2,503.92 | |
| 23 13 33 00-0027 | EA | 3/4 HP Fuel/Diesel Pump Set | 2,743.25 | |
| 23 13 33 00-0028 | EA | 1 HP Fuel/Diesel Pump Set | 3,948.26 | |
| 23 13 33 00-0029 | EA | 1-1/2 HP Fuel/Diesel Pump Set | 4,884.56 | |
| 23 13 33 00-0030 | EA | 2 HP Fuel/Diesel Pump Set | 5,406.53 | |
| 23 13 33 00-0031 | EA | 3 HP Fuel/Diesel Pump Set | 6,655.84 | |
| 23 13 33 00-0032 | EA | 5 HP Fuel/Diesel Pump Set | 7,886.22 | |
| 23 13 33 00-0033 | EA | 7.5 HP Fuel/Diesel Pump Set | 8,827.49 | |
| 23 13 33 00-0034 | EA | 10 HP Fuel/Diesel Pump Set | 10,200.44 | |

### 23 13 33 00-0035 Tank Bulkhead Fittings *(23 13 33)*

### 23 13 33 00-0036 Tank Bulkhead Fittings *(23 13 33 00-0035)*

### 23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

| | | | |
|---|---|---|---|
| 23 13 33 00-0038 | EA | 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread | 51.01 |
| 23 13 33 00-0039 | EA | 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread | 57.05 |
| 23 13 33 00-0040 | EA | 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread | 62.72 |
| 23 13 33 00-0041 | EA | 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread | 76.14 |
| 23 13 33 00-0042 | EA | 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread | 78.47 |
| 23 13 33 00-0043 | EA | 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread | 103.91 |
| 23 13 33 00-0044 | EA | 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread | 166.30 |
| 23 13 33 00-0045 | EA | 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread | 293.67 |

### 23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

| | | | |
|---|---|---|---|
| 23 13 33 00-0047 | EA | 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread | 59.74 |
| 23 13 33 00-0048 | EA | 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread | 65.74 |
| 23 13 33 00-0049 | EA | 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread | 71.76 |
| 23 13 33 00-0050 | EA | 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread | 90.18 |
| 23 13 33 00-0051 | EA | 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread | 96.20 |
| 23 13 33 00-0052 | EA | 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread | 119.98 |
| 23 13 33 00-0053 | EA | 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread | 187.74 |
| 23 13 33 00-0054 | EA | 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread | 324.11 |

### 23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

| | | | |
|---|---|---|---|
| 23 13 33 00-0056 | EA | 1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread | 61.73 |
| 23 13 33 00-0057 | EA | 3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread | 71.46 |
| 23 13 33 00-0058 | EA | 1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread | 80.81 |
| 23 13 33 00-0059 | EA | 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread | 104.90 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 13 33 00-0060 | EA | 2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread | 138.04 | |
| 23 13 33 00-0061 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread | 216.87 | |
| 23 13 33 00-0062 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread | 342.21 | |

### 23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection *(23 13 33 00-0036)*

| | | | | |
|---|---|---|---|---|
| 23 13 33 00-0064 | EA | 1/2" Polypropylene Bulkhead Fitting, Thread x Thread | 72.79 | |
| 23 13 33 00-0065 | EA | 3/4" Polypropylene Bulkhead Fitting, Thread x Thread | 86.18 | |
| 23 13 33 00-0066 | EA | 1" Polypropylene Bulkhead Fitting, Thread x Thread | 106.57 | |
| 23 13 33 00-0067 | EA | 1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread | 130.34 | |
| 23 13 33 00-0068 | EA | 1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread | 132.67 | |
| 23 13 33 00-0069 | EA | 2" Polypropylene Bulkhead Fitting, Thread x Thread | 191.25 | |
| 23 13 33 00-0070 | EA | 3" Polypropylene Bulkhead Fitting, Thread x Thread | 345.36 | |
| 23 13 33 00-0071 | EA | 4" Polypropylene Bulkhead Fitting, Thread x Thread | 619.99 | |

### 23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection *(23 13 33 00-0036)*

| | | | | |
|---|---|---|---|---|
| 23 13 33 00-0073 | EA | 3/4" Polyethylene Bulkhead Fitting, Thread x Thread | 63.40 | |
| 23 13 33 00-0074 | EA | 1" Polyethylene Bulkhead Fitting, Thread x Thread | 82.37 | |
| 23 13 33 00-0075 | EA | 1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread | 84.72 | |
| 23 13 33 00-0076 | EA | 1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread | 87.05 | |
| 23 13 33 00-0077 | EA | 2" Polyethylene Bulkhead Fitting, Thread x Thread | 122.64 | |
| 23 13 33 00-0078 | EA | 3" Polyethylene Bulkhead Fitting, Thread x Thread | 155.70 | |

### 23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

| | | | | |
|---|---|---|---|---|
| 23 13 33 00-0080 | EA | 1/8" TFE Teflon Bulkhead Fitting, Thread x Thread | 283.35 | |
| 23 13 33 00-0081 | EA | 1/4" TFE Teflon Bulkhead Fitting, Thread x Thread | 323.93 | |
| 23 13 33 00-0082 | EA | 3/8" TFE Teflon Bulkhead Fitting, Thread x Thread | 398.69 | |
| 23 13 33 00-0083 | EA | 1/2" TFE Teflon Bulkhead Fitting, Thread x Thread | 459.99 | |
| 23 13 33 00-0084 | EA | 3/4" TFE Teflon Bulkhead Fitting, Thread x Thread | 530.14 | |
| 23 13 33 00-0085 | EA | 1" TFE Teflon Bulkhead Fitting, Thread x Thread | 668.27 | |
| 23 13 33 00-0086 | EA | 1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread | 868.50 | |
| 23 13 33 00-0087 | EA | 2" TFE Teflon Bulkhead Fitting, Thread x Thread | 959.69 | |

### 23 13 33 00-0088 Self-Aligning Bulkhead Fittings *(23 13 33 00-0035)*

| | | | | |
|---|---|---|---|---|
| 23 13 33 00-0089 | EA | 3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting | 289.39 | |
| 23 13 33 00-0090 | EA | 1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting | 289.49 | |
| 23 13 33 00-0091 | EA | 1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting | 423.41 | |
| 23 13 33 00-0092 | EA | 2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting | 432.04 | |
| 23 13 33 00-0093 | EA | 3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting | 583.98 | |

# 23 20 HVAC Piping and Pumps *(23)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

## 23 21 Hydronic Piping and Pumps *(23 20)*

### 23 21 13 Hydronic Piping *(23 21)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

#### 23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

### 23 21 13 23-0001 Threaded Black Steel Pipe *(23 21 13 23)*

### 23 21 13 23-0002 Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0003 | LF | 1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 21.56 | 4.31 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *5.39* | |
| | | *For Work In Restricted Working Space, Add* | *4.46* | |
| 23 21 13 23-0004 | LF | 3/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 23.64 | 4.63 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *6.03* | |
| | | *For Work In Restricted Working Space, Add* | *4.66* | |
| 23 21 13 23-0005 | LF | 1" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 26.28 | 5.07 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *6.84* | |
| | | *For Work In Restricted Working Space, Add* | *4.91* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0006 | LF | 1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 31.66 | 5.28 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *8.57* | |
| | | *For Work In Restricted Working Space, Add* | *5.30* | |
| 23 21 13 23-0007 | LF | 1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 33.76 | 6.26 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *9.29* | |
| | | *For Work In Restricted Working Space, Add* | *5.37* | |
| 23 21 13 23-0008 | LF | 2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 40.24 | 7.54 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *11.26* | |
| | | *For Work In Restricted Working Space, Add* | *6.05* | |
| 23 21 13 23-0009 | LF | 2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 57.57 | 8.94 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *16.72* | |
| | | *For Work In Restricted Working Space, Add* | *7.51* | |
| 23 21 13 23-0010 | LF | 3" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 73.30 | 11.97 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *21.48* | |
| | | *For Work In Restricted Working Space, Add* | *9.20* | |
| 23 21 13 23-0011 | LF | 4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 101.26 | 14.04 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *31.05* | |
| | | *For Work In Restricted Working Space, Add* | *10.14* | |
| 23 21 13 23-0012 | LF | 5" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 149.86 | 17.94 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *47.50* | |
| | | *For Work In Restricted Working Space, Add* | *12.08* | |
| 23 21 13 23-0013 | LF | 6" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 181.86 | 21.22 |
| | | *For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add* | *58.17* | |
| | | *For Work In Restricted Working Space, Add* | *13.69* | |

## 23 21 13 23-0014 Threaded Black Steel Pipe And Fittings *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

## 23 21 13 23-0015 Threaded And Coupled, Black Steel Piping *(23 21 13 23-0014)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0016 | LF | 3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe | 8.00 | 2.70 |
| | | *For Schedule 80 Pipe, Add* | *1.70* | |
| | | *For Work In Restricted Working Space, Add* | *1.63* | |
| 23 21 13 23-0017 | LF | 1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe | 10.82 | 4.31 |
| | | *For Schedule 80 Pipe, Add* | *2.58* | |
| | | *For Work In Restricted Working Space, Add* | *1.96* | |
| 23 21 13 23-0018 | LF | 3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe | 12.49 | 4.63 |
| | | *For Schedule 80 Pipe, Add* | *3.19* | |
| | | *For Work In Restricted Working Space, Add* | *2.09* | |
| 23 21 13 23-0019 | LF | 1" Schedule 40, Threaded And Coupled, Black Steel Pipe | 14.92 | 5.07 |
| | | *For Schedule 80 Pipe, Add* | *4.08* | |
| | | *For Work In Restricted Working Space, Add* | *2.26* | |
| 23 21 13 23-0020 | LF | 1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe | 17.87 | 5.28 |
| | | *For Schedule 80 Pipe, Add* | *5.25* | |
| | | *For Work In Restricted Working Space, Add* | *2.40* | |
| 23 21 13 23-0021 | LF | 1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe | 21.21 | 6.26 |
| | | *For Schedule 80 Pipe, Add* | *6.26* | |
| | | *For Work In Restricted Working Space, Add* | *2.81* | |
| 23 21 13 23-0022 | LF | 2" Schedule 40, Threaded And Coupled, Black Steel Pipe | 26.83 | 7.54 |
| | | *For Schedule 80 Pipe, Add* | *8.10* | |
| | | *For Work In Restricted Working Space, Add* | *3.40* | |
| 23 21 13 23-0023 | LF | 2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe | 37.94 | 8.94 |
| | | *For Schedule 80 Pipe, Add* | *12.36* | |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 23 21 13 23-0024 | LF | 3" Schedule 40, Threaded And Coupled, Black Steel Pipe | 50.02 | 11.97 |
| | | *For Schedule 80 Pipe, Add* | *16.22* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0025 | LF | 4" Schedule 40, Threaded And Coupled, Black Steel Pipe | 69.00 | 14.04 |
| | | *For Schedule 80 Pipe, Add* | *23.66* | |
| | | *For Work In Restricted Working Space, Add* | *6.33* | |
| 23 21 13 23-0026 | LF | 5" Schedule 40, Threaded And Coupled, Black Steel Pipe | 90.51 | 17.94 |
| | | *For Schedule 80 Pipe, Add* | *31.33* | |
| | | *For Work In Restricted Working Space, Add* | *8.06* | |
| 23 21 13 23-0027 | LF | 6" Schedule 40, Threaded And Coupled, Black Steel Pipe | 115.71 | 21.22 |
| | | *For Schedule 80 Pipe, Add* | *40.95* | |
| | | *For Work In Restricted Working Space, Add* | *9.53* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0028 | LF | 8" Schedule 40, Threaded And Coupled, Black Steel Pipe | 162.88 | 25.65 |
| | | *For Schedule 80 Pipe, Add* | *59.86* | |
| | | *For Work In Restricted Working Space, Add* | *11.52* | |
| 23 21 13 23-0029 | LF | 10" Schedule 40, Threaded And Coupled, Black Steel Pipe | 223.11 | 31.25 |
| | | *For Schedule 80 Pipe, Add* | *83.98* | |
| | | *For Work In Restricted Working Space, Add* | *14.07* | |
| 23 21 13 23-0030 | LF | 12" Schedule 40, Threaded And Coupled, Black Steel Pipe | 298.48 | 41.07 |
| | | *For Schedule 80 Pipe, Add* | *112.76* | |
| | | *For Work In Restricted Working Space, Add* | *18.47* | |

## 23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows *(23 21 13 23-0014)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0032 | EA | 3/8", 150 Lb., Black Malleable Iron 90 Degree Elbow | 28.29 | 15.96 |
| | | *For 300 Lb. Rating, Add* | *11.85* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.07* | |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 21 13 23-0033 | EA | 1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow | 31.76 | 19.19 |
| | | *For 300 Lb. Rating, Add* | *8.95* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.05* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0034 | EA | 3/4", 150 Lb., Black Malleable Iron 90 Degree Elbow | 35.80 | 21.46 |
| | | *For 300 Lb. Rating, Add* | *10.64* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.06* | |
| | | *For Work In Restricted Working Space, Add* | *9.65* | |
| 23 21 13 23-0035 | EA | 1", 150 Lb., Black Malleable Iron 90 Degree Elbow | 42.23 | 23.93 |
| | | *For 300 Lb. Rating, Add* | *17.28* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.10* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 23 21 13 23-0036 | EA | 1-1/4", 150 Lb., Black Malleable Iron 90 Degree Elbow | 51.07 | 27.17 |
| | | *For 300 Lb. Rating, Add* | *27.40* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.17* | |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-0037 | EA | 1-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow | 59.55 | 30.61 |
| | | *For 300 Lb. Rating, Add* | *35.58* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.22* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-0038 | EA | 2", 150 Lb., Black Malleable Iron 90 Degree Elbow | 81.85 | 38.91 |
| | | *For 300 Lb. Rating, Add* | *60.11* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.38* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-0039 | EA | 2-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow | 138.77 | 57.56 |
| | | *For 300 Lb. Rating, Add* | *131.27* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.84* | |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-0040 | EA | 3", 150 Lb., Black Malleable Iron 90 Degree Elbow | 190.35 | 75.67 |
| | | *For 300 Lb. Rating, Add* | *191.34* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *1.23* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-0041 | EA | 4", 150 Lb., Black Malleable Iron 90 Degree Elbow | 288.30 | 82.12 |
| | | *For 300 Lb. Rating, Add* | *403.75* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *2.64* | |
| | | *For Work In Restricted Working Space, Add* | *36.95* | |
| 23 21 13 23-0042 | EA | 5", 150 Lb., Black Malleable Iron 90 Degree Elbow | 611.08 | 85.71 |
| | | *For 300 Lb. Rating, Add* | *1,165.90* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *7.72* | |
| | | *For Work In Restricted Working Space, Add* | *38.55* | |
| 23 21 13 23-0043 | EA | 6", 150 Lb., Black Malleable Iron 90 Degree Elbow | 691.80 | 89.62 |
| | | *For 300 Lb. Rating, Add* | *1,345.94* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *8.92* | |
| | | *For Work In Restricted Working Space, Add* | *40.31* | |

## 23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0045 | EA | 1/2" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 32.07 | 17.57 |
| | | *For 300 Lb. Rating, Add* | *15.33* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.09* | |
| | | *For Work In Restricted Working Space, Add* | *7.90* | |
| 23 21 13 23-0046 | EA | 3/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 36.36 | 20.27 |
| | | *For 300 Lb. Rating, Add* | *15.99* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.09* | |
| | | *For Work In Restricted Working Space, Add* | *9.14* | |
| 23 21 13 23-0047 | EA | 3/4" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 36.31 | 18.76 |
| | | *For 300 Lb. Rating, Add* | *21.46* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.13* | |
| | | *For Work In Restricted Working Space, Add* | *8.42* | |
| 23 21 13 23-0048 | EA | 1" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 41.63 | 22.74 |
| | | *For 300 Lb. Rating, Add* | *20.24* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.12* | |
| | | *For Work In Restricted Working Space, Add* | *10.22* | |
| 23 21 13 23-0049 | EA | 1" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 40.50 | 21.56 |
| | | *For 300 Lb. Rating, Add* | *21.55* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.13* | |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0050 | EA | 1" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 46.04 | 19.94 |
| | | *For 300 Lb. Rating, Add* | *40.41* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.26* | |
| | | *For Work In Restricted Working Space, Add* | *8.99* | |
| 23 21 13 23-0051 | EA | 1-1/4" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 51.03 | 25.54 |
| | | *For 300 Lb. Rating, Add* | *32.85* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.20* | |
| | | *For Work In Restricted Working Space, Add* | *11.49* | |
| 23 21 13 23-0052 | EA | 1-1/4" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 50.63 | 24.26 |
| | | *For 300 Lb. Rating, Add* | *36.29* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.23* | |
| | | *For Work In Restricted Working Space, Add* | *10.93* | |
| 23 21 13 23-0053 | EA | 1-1/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 51.31 | 23.18 |
| | | *For 300 Lb. Rating, Add* | *41.92* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.27* | |
| | | *For Work In Restricted Working Space, Add* | *10.41* | |
| 23 21 13 23-0054 | EA | 1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 61.22 | 28.89 |
| | | *For 300 Lb. Rating, Add* | *45.70* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.29* | |
| | | *For Work In Restricted Working Space, Add* | *12.98* | |
| 23 21 13 23-0055 | EA | 1-1/2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 58.86 | 27.27 |
| | | *For 300 Lb. Rating, Add* | *45.56* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.29* | |
| | | *For Work In Restricted Working Space, Add* | *12.27* | |
| 23 21 13 23-0056 | EA | 1-1/2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 59.57 | 25.98 |
| | | *For 300 Lb. Rating, Add* | *51.66* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.33* | |
| | | *For Work In Restricted Working Space, Add* | *11.71* | |
| 23 21 13 23-0057 | EA | 2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 78.09 | 34.71 |
| | | *For 300 Lb. Rating, Add* | *65.57* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.42* | |
| | | *For Work In Restricted Working Space, Add* | *15.62* | |
| 23 21 13 23-0058 | EA | 2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 79.04 | 32.99 |
| | | *For 300 Lb. Rating, Add* | *73.94* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.47* | |
| | | *For Work In Restricted Working Space, Add* | *14.84* | |
| 23 21 13 23-0059 | EA | 2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 76.66 | 31.37 |
| | | *For 300 Lb. Rating, Add* | *73.79* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.47* | |
| | | *For Work In Restricted Working Space, Add* | *14.13* | |
| 23 21 13 23-0060 | EA | 2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 76.58 | 30.18 |
| | | *For 300 Lb. Rating, Add* | *77.98* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.50* | |
| | | *For Work In Restricted Working Space, Add* | *13.57* | |
| 23 21 13 23-0061 | EA | 2-1/2" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 143.67 | 48.18 |
| | | *For 300 Lb. Rating, Add* | *175.74* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *1.14* | |
| | | *For Work In Restricted Working Space, Add* | *21.68* | |
| 23 21 13 23-0062 | EA | 2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 141.68 | 44.09 |
| | | *For 300 Lb. Rating, Add* | *185.45* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *1.21* | |
| | | *For Work In Restricted Working Space, Add* | *19.82* | |
| 23 21 13 23-0063 | EA | 3" x 2-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 233.50 | 66.61 |
| | | *For 300 Lb. Rating, Add* | *326.77* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *2.14* | |
| | | *For Work In Restricted Working Space, Add* | *29.95* | |
| 23 21 13 23-0064 | EA | 3" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 201.32 | 57.23 |
| | | *For 300 Lb. Rating, Add* | *282.26* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *1.85* | |
| | | *For Work In Restricted Working Space, Add* | *25.76* | |
| 23 21 13 23-0065 | EA | 4" x 3", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow | 345.56 | 78.11 |
| | | *For 300 Lb. Rating, Add* | *555.24* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *3.65* | |
| | | *For Work In Restricted Working Space, Add* | *35.14* | |
| 23 21 13 23-0066 | | Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)* | | |
| 23 21 13 23-0067 | EA | 3/8", 150 Lb., Black Malleable Iron 45 Degree Elbow | 30.49 | 15.96 |
| | | *For 300 Lb. Rating, Add* | *17.13* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.10* | |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 21 13 23-0068 | EA | 1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow | 33.72 | 19.19 |
| | | *For 300 Lb. Rating, Add* | *13.65* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.08* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0069 | EA | 3/4", 150 Lb., Black Malleable Iron 45 Degree Elbow | 38.31 | 21.46 |
| | | *For 300 Lb. Rating, Add* | *16.67* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.10* | |
| | | *For Work In Restricted Working Space, Add* | *9.65* | |
| 23 21 13 23-0070 | EA | 1", 150 Lb., Black Malleable Iron 45 Degree Elbow | 43.66 | 23.93 |
| | | *For 300 Lb. Rating, Add* | *20.71* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.12* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0071 | EA | 1-1/4", 150 Lb., Black Malleable Iron 45 Degree Elbow | 54.36 | 27.17 |
| | | *For 300 Lb. Rating, Add* | *35.30* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.22* | |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-0072 | EA | 1-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow | 62.81 | 30.61 |
| | | *For 300 Lb. Rating, Add* | *43.41* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.27* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-0073 | EA | 2", 150 Lb., Black Malleable Iron 45 Degree Elbow | 83.87 | 38.91 |
| | | *For 300 Lb. Rating, Add* | *64.96* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.41* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-0074 | EA | 2-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow | 160.32 | 57.56 |
| | | *For 300 Lb. Rating, Add* | *182.99* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *1.19* | |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-0075 | EA | 3", 150 Lb., Black Malleable Iron 45 Degree Elbow | 209.69 | 75.67 |
| | | *For 300 Lb. Rating, Add* | *237.76* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *1.54* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-0076 | EA | 4", 150 Lb., Black Malleable Iron 45 Degree Elbow | 311.86 | 82.12 |
| | | *For 300 Lb. Rating, Add* | *460.29* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *3.02* | |
| | | *For Work In Restricted Working Space, Add* | *36.95* | |
| 23 21 13 23-0077 | EA | 5", 150 Lb., Black Malleable Iron 45 Degree Elbow | 873.93 | 85.71 |
| | | *For 300 Lb. Rating, Add* | *1,796.74* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *11.93* | |
| | | *For Work In Restricted Working Space, Add* | *38.55* | |
| 23 21 13 23-0078 | EA | 6", 150 Lb., Black Malleable Iron 45 Degree Elbow | 897.00 | 89.62 |
| | | *For 300 Lb. Rating, Add* | *1,838.42* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *12.20* | |
| | | *For Work In Restricted Working Space, Add* | *40.31* | |

## 23 21 13 23-0079 Black Malleable Iron Tees *(23 21 13 23-0014)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0080 | EA | 3/8", 150 Lb., Black Malleable Iron Tee | 36.25 | 19.72 |
| | | *For 300 Lb. Rating, Add* | *16.92* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.10* | |
| | | *For Work In Restricted Working Space, Add* | *8.99* | |
| 23 21 13 23-0081 | EA | 1/2", 150 Lb., Black Malleable Iron Tee | 39.96 | 23.93 |
| | | *For 300 Lb. Rating, Add* | *11.83* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.06* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 23 21 13 23-0082 | EA | 3/4", 150 Lb., Black Malleable Iron Tee | 47.23 | 27.70 |
| | | *For 300 Lb. Rating, Add* | *16.34* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.09* | |
| | | *For Work In Restricted Working Space, Add* | *12.44* | |
| 23 21 13 23-0083 | EA | 1", 150 Lb., Black Malleable Iron Tee | 58.88 | 32.66 |
| | | *For 300 Lb. Rating, Add* | *26.68* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.16* | |
| | | *For Work In Restricted Working Space, Add* | *14.70* | |
| 23 21 13 23-0084 | EA | 1-1/4", 150 Lb., Black Malleable Iron Tee | 74.27 | 38.91 |
| | | *For 300 Lb. Rating, Add* | *41.92* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.26* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-0085 | EA | 1-1/2", 150 Lb., Black Malleable Iron Tee | 89.45 | 46.35 |
| | | *For 300 Lb. Rating, Add* | *51.96* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.32* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 23 21 13 23-0086 | EA | 2", 150 Lb., Black Malleable Iron Tee | 120.17 | 57.56 |
| | | *For 300 Lb. Rating, Add* | *86.63* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.54* | |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-0087 | EA | 2-1/2", 150 Lb., Black Malleable Iron Tee | 186.62 | 75.67 |
| | | *For 300 Lb. Rating, Add* | *182.39* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *1.17* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-0088 | EA | 3", 150 Lb., Black Malleable Iron Tee | 242.51 | 89.90 |
| | | *For 300 Lb. Rating, Add* | *266.73* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *1.72* | |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 23 21 13 23-0089 | EA | 4", 150 Lb., Black Malleable Iron Tee | 416.04 | 103.77 |
| | | *For 300 Lb. Rating, Add* | *634.49* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *4.17* | |
| | | *For Work In Restricted Working Space, Add* | *46.67* | |
| 23 21 13 23-0090 | EA | 5", 150 Lb., Black Malleable Iron Tee | 974.07 | 123.19 |
| | | *For 300 Lb. Rating, Add* | *1,905.50* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *12.63* | |
| | | *For Work In Restricted Working Space, Add* | *55.42* | |
| 23 21 13 23-0091 | EA | 6", 150 Lb., Black Malleable Iron Tee | 1,058.23 | 140.82 |
| | | *For 300 Lb. Rating, Add* | *2,045.73* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *13.55* | |
| | | *For Work In Restricted Working Space, Add* | *63.34* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 23 21 13 23-0092 Black Malleable Iron Reducing Tees *(23 21 13 23-0014)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0093 | EA | 1/2", 150 Lb., Black Malleable Iron Reducing Tee | 42.77 | 23.93 |
| | | *For 300 Lb. Rating, Add* | *18.57* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.11* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 23 21 13 23-0094 | EA | 3/4", 150 Lb., Black Malleable Iron Reducing Tee | 50.39 | 27.70 |
| | | *For 300 Lb. Rating, Add* | *23.92* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.14* | |
| | | *For Work In Restricted Working Space, Add* | *12.44* | |
| 23 21 13 23-0095 | EA | 1", 150 Lb., Black Malleable Iron Reducing Tee | 60.25 | 32.66 |
| | | *For 300 Lb. Rating, Add* | *29.96* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.18* | |
| | | *For Work In Restricted Working Space, Add* | *14.70* | |
| 23 21 13 23-0096 | EA | 1-1/4", 150 Lb., Black Malleable Iron Reducing Tee | 80.40 | 38.91 |
| | | *For 300 Lb. Rating, Add* | *56.63* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.35* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-0097 | EA | 1-1/2", 150 Lb., Black Malleable Iron Reducing Tee | 94.07 | 46.35 |
| | | *For 300 Lb. Rating, Add* | *63.04* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.39* | |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 23 21 13 23-0098 | EA | 2", 150 Lb., Black Malleable Iron Reducing Tee | 121.85 | 57.56 |
| | | *For 300 Lb. Rating, Add* | *90.66* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.57* | |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-0099 | EA | 2-1/2", 150 Lb., Black Malleable Iron Reducing Tee | 224.44 | 75.67 |
| | | *For 300 Lb. Rating, Add* | *273.16* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *1.78* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-0100 | EA | 3", 150 Lb., Black Malleable Iron Reducing Tee | 261.86 | 89.90 |
| | | *For 300 Lb. Rating, Add* | *313.17* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *2.03* | |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 23 21 13 23-0101 | EA | 4", 150 Lb., Black Malleable Iron Reducing Tee | 463.85 | 103.77 |
| | | *For 300 Lb. Rating, Add* | *749.23* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *4.93* | |
| | | *For Work In Restricted Working Space, Add* | *46.67* | |
| 23 21 13 23-0102 | EA | 5", 150 Lb., Black Malleable Iron Reducing Tee | 899.79 | 123.19 |
| | | *For 300 Lb. Rating, Add* | *1,727.23* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *11.44* | |
| | | *For Work In Restricted Working Space, Add* | *55.42* | |
| 23 21 13 23-0103 | EA | 6", 150 Lb., Black Malleable Iron Reducing Tee | 1,022.17 | 140.82 |
| | | *For 300 Lb. Rating, Add* | *1,959.19* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *12.98* | |
| | | *For Work In Restricted Working Space, Add* | *63.34* | |

## 23 21 13 23-0104 Black Malleable Iron Couplings *(23 21 13 23-0014)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0105 | EA | 3/8", 150 Lb., Black Malleable Iron Coupling | 29.35 | 15.96 |
| | | *For 300 Lb. Rating, Add* | *14.40* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.09* | |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 21 13 23-0106 | EA | 1/2", 150 Lb., Black Malleable Iron Coupling | 32.91 | 19.19 |
| | | *For 300 Lb. Rating, Add* | *11.71* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.07* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0107 | EA | 3/4", 150 Lb., Black Malleable Iron Coupling | 37.04 | 21.46 |
| | | *For 300 Lb. Rating, Add* | *13.62* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.08* | |
| | | *For Work In Restricted Working Space, Add* | *9.65* | |
| 23 21 13 23-0108 | EA | 1", 150 Lb., Black Malleable Iron Coupling | 43.23 | 23.93 |
| | | *For 300 Lb. Rating, Add* | *19.68* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.12* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 23 21 13 23-0109 | EA | 1-1/4", 150 Lb., Black Malleable Iron Coupling | 50.12 | 27.17 |
| | | *For 300 Lb. Rating, Add* | *25.12* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.15* | |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-0110 | EA | 1-1/2", 150 Lb., Black Malleable Iron Coupling | 58.63 | 30.61 |
| | | *For 300 Lb. Rating, Add* | *33.38* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.20* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-0111 | EA | 2", 150 Lb., Black Malleable Iron Coupling | 77.18 | 38.91 |
| | | *For 300 Lb. Rating, Add* | *48.90* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-0112 | EA | 2-1/2", 150 Lb., Black Malleable Iron Coupling | 138.43 | 57.56 |
| | | *For 300 Lb. Rating, Add* | *130.45* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.84* | |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-0113 | EA | 3", 150 Lb., Black Malleable Iron Coupling | 184.04 | 75.67 |
| | | *For 300 Lb. Rating, Add* | *176.20* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *1.13* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0114 | EA | 4", 150 Lb., Black Malleable Iron Coupling | 265.30 | 82.12 |
| | | *For 300 Lb. Rating, Add* | *348.55* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *2.27* | |
| | | *For Work In Restricted Working Space, Add* | *36.95* | |
| 23 21 13 23-0115 | EA | 5", 150 Lb., Black Malleable Iron Coupling | 528.76 | 85.71 |
| | | *For 300 Lb. Rating, Add* | *968.33* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *6.40* | |
| | | *For Work In Restricted Working Space, Add* | *38.55* | |
| 23 21 13 23-0116 | EA | 6", 150 Lb., Black Malleable Iron Coupling | 590.34 | 89.62 |
| | | *For 300 Lb. Rating, Add* | *1,102.44* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *7.30* | |
| | | *For Work In Restricted Working Space, Add* | *40.31* | |

## 23 21 13 23-0117 Black Malleable Iron Reducing Couplings *(23 21 13 23-0014)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0118 | EA | 1/2", 150 Lb., Black Malleable Iron Reducing Coupling | 33.91 | 19.19 |
| | | *For 300 Lb. Rating, Add* | *14.11* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.08* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0119 | EA | 3/4", 150 Lb., Black Malleable Iron Reducing Coupling | 37.64 | 21.46 |
| | | *For 300 Lb. Rating, Add* | *15.06* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.09* | |
| | | *For Work In Restricted Working Space, Add* | *9.65* | |
| 23 21 13 23-0120 | EA | 1", 150 Lb., Black Malleable Iron Reducing Coupling | 44.44 | 23.93 |
| | | *For 300 Lb. Rating, Add* | *22.58* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.14* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 23 21 13 23-0121 | EA | 1-1/4", 150 Lb., Black Malleable Iron Reducing Coupling | 51.62 | 27.17 |
| | | *For 300 Lb. Rating, Add* | *28.72* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.18* | |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-0122 | EA | 1-1/2", 150 Lb., Black Malleable Iron Reducing Coupling | 59.70 | 30.61 |
| | | *For 300 Lb. Rating, Add* | *35.94* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.22* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-0123 | EA | 2", 150 Lb., Black Malleable Iron Reducing Coupling | 78.31 | 38.91 |
| | | *For 300 Lb. Rating, Add* | *51.62* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.32* | |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-0124 | EA | 2-1/2", 150 Lb., Black Malleable Iron Reducing Coupling | 145.48 | 57.56 |
| | | *For 300 Lb. Rating, Add* | *147.37* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.95* | |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-0125 | EA | 3", 150 Lb., Black Malleable Iron Reducing Coupling | 185.49 | 75.67 |
| | | *For 300 Lb. Rating, Add* | *179.68* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *1.15* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-0126 | EA | 4", 150 Lb., Black Malleable Iron Reducing Coupling | 267.52 | 82.12 |
| | | *For 300 Lb. Rating, Add* | *353.88* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *2.31* | |
| | | *For Work In Restricted Working Space, Add* | *36.95* | |
| 23 21 13 23-0127 | EA | 5", 150 Lb., Black Malleable Iron Reducing Coupling | 452.99 | 85.71 |
| | | *For 300 Lb. Rating, Add* | *786.49* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *5.19* | |
| | | *For Work In Restricted Working Space, Add* | *38.55* | |
| 23 21 13 23-0128 | EA | 6", 150 Lb., Black Malleable Iron Reducing Coupling | 551.13 | 89.62 |
| | | *For 300 Lb. Rating, Add* | *1,008.33* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *6.67* | |
| | | *For Work In Restricted Working Space, Add* | *40.31* | |

## 23 21 13 23-0129 Black Malleable Iron Caps *(23 21 13 23-0014)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0130 | EA | 1/2", 150 Lb., Black Malleable Iron Cap | 15.97 | 8.51 |
| | | *For 300 Lb. Rating, Add* | *8.07* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.05* | |
| | | *For Work In Restricted Working Space, Add* | *3.88* | |
| 23 21 13 23-0131 | EA | 3/4", 150 Lb., Black Malleable Iron Cap | 18.59 | 9.59 |
| | | *For 300 Lb. Rating, Add* | *10.76* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.07* | |
| | | *For Work In Restricted Working Space, Add* | *4.34* | |
| 23 21 13 23-0132 | EA | 1", 150 Lb., Black Malleable Iron Cap | 21.15 | 10.67 |
| | | *For 300 Lb. Rating, Add* | *12.92* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.08* | |
| | | *For Work In Restricted Working Space, Add* | *4.85* | |
| 23 21 13 23-0133 | EA | 1-1/4", 150 Lb., Black Malleable Iron Cap | 24.86 | 12.08 |
| | | *For 300 Lb. Rating, Add* | *16.84* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.10* | |
| | | *For Work In Restricted Working Space, Add* | *5.49* | |
| 23 21 13 23-0134 | EA | 1-1/2", 150 Lb., Black Malleable Iron Cap | 29.66 | 13.58 |
| | | *For 300 Lb. Rating, Add* | *22.89* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.14* | |
| | | *For Work In Restricted Working Space, Add* | *6.19* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0135 | EA | 2", 150 Lb., Black Malleable Iron Cap | 39.38 | 17.36 |
| | | *For 300 Lb. Rating, Add* | *33.18* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.21* | |
| | | *For Work In Restricted Working Space, Add* | *7.86* | |
| 23 21 13 23-0136 | EA | 2-1/2", 150 Lb., Black Malleable Iron Cap | 69.02 | 25.66 |
| | | *For 300 Lb. Rating, Add* | *74.86* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.48* | |
| | | *For Work In Restricted Working Space, Add* | *11.64* | |
| 23 21 13 23-0137 | EA | 3", 150 Lb., Black Malleable Iron Cap | 95.62 | 33.73 |
| | | *For 300 Lb. Rating, Add* | *110.01* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *0.71* | |
| | | *For Work In Restricted Working Space, Add* | *15.32* | |
| 23 21 13 23-0138 | EA | 4", 150 Lb., Black Malleable Iron Cap | 131.83 | 36.63 |
| | | *For 300 Lb. Rating, Add* | *186.71* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *1.22* | |
| | | *For Work In Restricted Working Space, Add* | *16.63* | |
| 23 21 13 23-0139 | EA | 5", 150 Lb., Black Malleable Iron Cap | 239.95 | 38.21 |
| | | *For 300 Lb. Rating, Add* | *440.56* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *2.91* | |
| | | *For Work In Restricted Working Space, Add* | *17.35* | |
| 23 21 13 23-0140 | EA | 6", 150 Lb., Black Malleable Iron Cap | 394.29 | 39.90 |
| | | *For 300 Lb. Rating, Add* | *804.84* | |
| | | *For Standard Weight Cast Iron Fittings, Add* | *5.34* | |
| | | *For Work In Restricted Working Space, Add* | *18.14* | |

## 23 21 13 23-0141 Black Malleable Iron Unions *(23 21 13 23-0014)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0142 | EA | 3/8", 150 Lb., Black Malleable Iron Union | 38.54 | 15.96 |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 21 13 23-0143 | EA | 1/2", 150 Lb., Black Malleable Iron Union | 49.13 | 23.93 |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 23 21 13 23-0144 | EA | 3/4", 150 Lb., Black Malleable Iron Union | 56.64 | 27.70 |
| | | *For Work In Restricted Working Space, Add* | *12.44* | |
| 23 21 13 23-0145 | EA | 1", 150 Lb., Black Malleable Iron Union | 68.78 | 32.66 |
| | | *For Work In Restricted Working Space, Add* | *14.70* | |
| 23 21 13 23-0146 | EA | 1-1/4", 150 Lb., Black Malleable Iron Union | 86.64 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-0147 | EA | 1-1/2", 150 Lb., Black Malleable Iron Union | 104.92 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 23 21 13 23-0148 | EA | 2", 150 Lb., Black Malleable Iron Union | 127.37 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-0149 | EA | 2-1/2", 150 Lb., Black Malleable Iron Union | 249.86 | 84.83 |
| | | *For Work In Restricted Working Space, Add* | *38.19* | |
| 23 21 13 23-0150 | EA | 3", 150 Lb., Black Malleable Iron Union | 315.05 | 111.57 |
| | | *For Work In Restricted Working Space, Add* | *50.25* | |
| 23 21 13 23-0151 | EA | 3/8", 250 Lb., Black Malleable Iron Union | 43.23 | 15.96 |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 21 13 23-0152 | EA | 1/2", 250 Lb., Black Malleable Iron Union | 58.05 | 23.93 |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 23 21 13 23-0153 | EA | 3/4", 250 Lb., Black Malleable Iron Union | 63.22 | 27.70 |
| | | *For Work In Restricted Working Space, Add* | *12.44* | |
| 23 21 13 23-0154 | EA | 1", 250 Lb., Black Malleable Iron Union | 75.69 | 32.66 |
| | | *For Work In Restricted Working Space, Add* | *14.70* | |
| 23 21 13 23-0155 | EA | 1-1/4", 250 Lb., Black Malleable Iron Union | 103.06 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-0156 | EA | 1-1/2", 250 Lb., Black Malleable Iron Union | 121.11 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 23 21 13 23-0157 | EA | 2", 250 Lb., Black Malleable Iron Union | 152.39 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-0158 | EA | 2-1/2", 250 Lb., Black Malleable Iron Union | 334.68 | 84.83 |
| | | *For Work In Restricted Working Space, Add* | *38.19* | |
| 23 21 13 23-0159 | EA | 3", 250 Lb., Black Malleable Iron Union | 410.20 | 111.57 |
| | | *For Work In Restricted Working Space, Add* | *50.25* | |
| 23 21 13 23-0160 | EA | 4", 250 Lb., Black Malleable Iron Union | 612.01 | 121.18 |
| | | *For Work In Restricted Working Space, Add* | *54.54* | |
| 23 21 13 23-0161 | EA | 3/8", 300 Lb., Black Malleable Iron Union | 55.24 | 15.96 |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 21 13 23-0162 | EA | 1/2", 300 Lb., Black Malleable Iron Union | 61.24 | 23.93 |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 23 21 13 23-0163 | EA | 3/4", 300 Lb., Black Malleable Iron Union | 69.49 | 27.70 |
| | | *For Work In Restricted Working Space, Add* | *12.44* | |
| 23 21 13 23-0164 | EA | 1", 300 Lb., Black Malleable Iron Union | 85.59 | 32.66 |
| | | *For Work In Restricted Working Space, Add* | *14.70* | |
| 23 21 13 23-0165 | EA | 1-1/4", 300 Lb., Black Malleable Iron Union | 117.95 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-0166 | EA | 1-1/2", 300 Lb., Black Malleable Iron Union | 132.05 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 23 21 13 23-0167 | EA | 2", 300 Lb., Black Malleable Iron Union | 163.66 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-0168 | EA | 2-1/2", 300 Lb., Black Malleable Iron Union | 376.93 | 84.83 |
| | | *For Work In Restricted Working Space, Add* | *38.19* | |
| 23 21 13 23-0169 | EA | 3", 300 Lb., Black Malleable Iron Union | 490.43 | 111.57 |
| | | *For Work In Restricted Working Space, Add* | *50.25* | |
| 23 21 13 23-0170 | EA | 4", 300 Lb., Black Malleable Iron Union | 1,206.79 | 121.18 |
| | | *For Work In Restricted Working Space, Add* | *54.54* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0171 | | **Black Steel Nipples** *(23 21 13 23-0014)* | | |
| 23 21 13 23-0172 | EA | 3/8" x Close, Schedule 40 Black Steel Nipple | 19.16 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *1.88* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0173 | EA | 1/2" x Close, Schedule 40 Black Steel Nipple | 18.57 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *1.59* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0174 | EA | 3/4" x Close, Schedule 40 Black Steel Nipple | 19.04 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *1.82* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0175 | EA | 1" x Close, Schedule 40 Black Steel Nipple | 21.87 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *2.65* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 21 13 23-0176 | EA | 1-1/4" x Close, Schedule 40 Black Steel Nipple | 24.67 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *3.35* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0177 | EA | 1-1/2" x Close, Schedule 40 Black Steel Nipple | 26.32 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *4.18* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0178 | EA | 2" x Close, Schedule 40 Black Steel Nipple | 34.54 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *5.68* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-0179 | EA | 2-1/2" x Close, Schedule 40 Black Steel Nipple | 64.33 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *17.79* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0180 | EA | 3" x Close, Schedule 40 Black Steel Nipple | 77.05 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *21.14* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-0181 | EA | 4" x Close, Schedule 40 Black Steel Nipple | 105.90 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *31.84* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 23 21 13 23-0182 | EA | 3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple | 19.67 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.14* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0183 | EA | 1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple | 18.57 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *1.59* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0184 | EA | 3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple | 19.32 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *1.96* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0185 | EA | 3/8" x 2" Long, Schedule 40 Black Steel Nipple | 19.67 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.14* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0186 | EA | 1/2" x 2" Long, Schedule 40 Black Steel Nipple | 18.57 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *1.59* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0187 | EA | 3/4" x 2" Long, Schedule 40 Black Steel Nipple | 19.32 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *1.96* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0188 | EA | 1" x 2" Long, Schedule 40 Black Steel Nipple | 22.38 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *2.90* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 21 13 23-0189 | EA | 1-1/4" x 2" Long, Schedule 40 Black Steel Nipple | 25.57 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *3.80* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0190 | EA | 1-1/2" x 2" Long, Schedule 40 Black Steel Nipple | 26.98 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *4.51* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0191 | EA | 3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple | 20.89 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.75* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0192 | EA | 1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple | 19.16 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *1.88* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0193 | EA | 3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple | 19.83 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.22* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0194 | EA | 1" x 2-1/2" Long, Schedule 40 Black Steel Nipple | 22.73 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *3.08* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 21 13 23-0195 | EA | 1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple | 26.04 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *4.04* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0196 | EA | 1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple | 28.04 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *5.04* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0197 | EA | 2" x 2-1/2" Long, Schedule 40 Black Steel Nipple | 36.23 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *6.53* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-0198 | EA | 3/8" x 3" Long, Schedule 40 Black Steel Nipple | 20.89 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.75* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0199 | EA | 1/2" x 3" Long, Schedule 40 Black Steel Nipple | 19.16 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *1.88* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0200 | EA | 3/4" x 3" Long, Schedule 40 Black Steel Nipple | 19.83 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.22* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0201 | EA | 1" x 3" Long, Schedule 40 Black Steel Nipple | 22.73 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *3.08* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 21 13 23-0202 | EA | 1-1/4" x 3" Long, Schedule 40 Black Steel Nipple | 26.04 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *4.04* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0203 | EA | 1-1/2" x 3" Long, Schedule 40 Black Steel Nipple | 28.04 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *5.04* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0204 | EA | 2" x 3" Long, Schedule 40 Black Steel Nipple | 36.23 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *6.53* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-0205 | EA | 2-1/2" x 3" Long, Schedule 40 Black Steel Nipple | 65.27 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *18.26* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0206 | EA | 3" x 3" Long, Schedule 40 Black Steel Nipple | 80.73 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *22.98* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-0207 | EA | 3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple | 21.86 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.23* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0208 | EA | 1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple | 19.91 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.26* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0209 | EA | 3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple | 20.89 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.75* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0210 | EA | 1" x 3-1/2" Long, Schedule 40 Black Steel Nipple | 24.18 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *3.80* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 21 13 23-0211 | EA | 1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple | 27.53 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *4.78* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0212 | EA | 1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple | 29.25 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *5.64* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0213 | EA | 2" x 3-1/2" Long, Schedule 40 Black Steel Nipple | 38.97 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *7.90* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-0214 | EA | 2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple | 71.69 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *21.47* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0215 | EA | 3" x 3-1/2" Long, Schedule 40 Black Steel Nipple | 89.19 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *27.21* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-0216 | EA | 3/8" x 4" Long, Schedule 40 Black Steel Nipple | 21.86 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.23* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0217 | EA | 1/2" x 4" Long, Schedule 40 Black Steel Nipple | 19.91 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.26* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0218 | EA | 3/4" x 4" Long, Schedule 40 Black Steel Nipple | 20.89 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.75* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0219 | EA | 1" x 4" Long, Schedule 40 Black Steel Nipple | 24.18 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *3.80* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 21 13 23-0220 | EA | 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple | 27.53 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *4.78* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0221 | EA | 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple | 29.25 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *5.64* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0222 | EA | 2" x 4" Long, Schedule 40 Black Steel Nipple | 38.97 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *7.90* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-0223 | EA | 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple | 71.69 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *21.47* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0224 | EA | 3" x 4" Long, Schedule 40 Black Steel Nipple | 89.19 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *27.21* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-0225 | EA | 4" x 4" Long, Schedule 40 Black Steel Nipple | 115.89 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *36.83* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 23 21 13 23-0226 | EA | 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple | 24.72 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *4.66* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0227 | EA | 1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple | 20.69 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.65* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0228 | EA | 3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple | 22.30 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.45* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0229 | EA | 1" x 4-1/2" Long, Schedule 40 Black Steel Nipple | 25.59 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *4.51* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 21 13 23-0230 | EA | 1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple | 29.41 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *5.72* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0231 | EA | 1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple | 31.76 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *6.90* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0232 | EA | 2" x 4-1/2" Long, Schedule 40 Black Steel Nipple | 41.36 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *9.09* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-0233 | EA | 2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple | 75.92 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *23.59* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0234 | EA | 3" x 4-1/2" Long, Schedule 40 Black Steel Nipple | 94.79 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *30.01* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-0235 | EA | 4" x 4-1/2" Long, Schedule 40 Black Steel Nipple | 126.39 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *42.08* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 23 21 13 23-0236 | EA | 3/8" x 5" Long, Schedule 40 Black Steel Nipple | 24.72 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *4.66* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0237 | EA | 1/2" x 5" Long, Schedule 40 Black Steel Nipple | 20.69 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.65* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0238 | EA | 3/4" x 5" Long, Schedule 40 Black Steel Nipple | 22.30 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.45* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0239 | EA | 1" x 5" Long, Schedule 40 Black Steel Nipple | 25.59 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *4.51* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 21 13 23-0240 | EA | 1-1/4" x 5" Long, Schedule 40 Black Steel Nipple | 29.41 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *5.72* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0241 | EA | 1-1/2" x 5" Long, Schedule 40 Black Steel Nipple | 31.76 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *6.90* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0242 | EA | 2" x 5" Long, Schedule 40 Black Steel Nipple | 41.36 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *9.09* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-0243 | EA | 2-1/2" x 5" Long, Schedule 40 Black Steel Nipple | 75.92 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *23.59* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0244 | EA | 3" x 5" Long, Schedule 40 Black Steel Nipple | 94.79 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *30.01* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-0245 | EA | 4" x 5" Long, Schedule 40 Black Steel Nipple | 126.39 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *42.08* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 23 21 13 23-0246 | EA | 3/8" x 6" Long, Schedule 40 Black Steel Nipple | 25.78 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *5.19* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0247 | EA | 1/2" x 6" Long, Schedule 40 Black Steel Nipple | 21.32 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *2.96* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0248 | EA | 3/4" x 6" Long, Schedule 40 Black Steel Nipple | 23.24 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *3.92* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0249 | EA | 1" x 6" Long, Schedule 40 Black Steel Nipple | 27.24 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *5.33* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 21 13 23-0250 | EA | 1-1/4" x 6" Long, Schedule 40 Black Steel Nipple | 31.53 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *6.78* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0251 | EA | 1-1/2" x 6" Long, Schedule 40 Black Steel Nipple | 33.80 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *7.92* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0252 | EA | 2" x 6" Long, Schedule 40 Black Steel Nipple | 44.49 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *10.66* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-0253 | EA | 2-1/2" x 6" Long, Schedule 40 Black Steel Nipple | 77.92 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *24.59* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0254 | EA | 3" x 6" Long, Schedule 40 Black Steel Nipple | 100.00 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *32.62* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0255 | EA | 4" x 6" Long, Schedule 40 Black Steel Nipple | 132.19 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *44.98* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 23 21 13 23-0256 | EA | 3/8" x 8" Long, Schedule 40 Black Steel Nipple | 33.62 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *9.11* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0257 | EA | 1/2" x 8" Long, Schedule 40 Black Steel Nipple | 26.06 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *5.33* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0258 | EA | 3/4" x 8" Long, Schedule 40 Black Steel Nipple | 28.45 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *6.53* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0259 | EA | 1" x 8" Long, Schedule 40 Black Steel Nipple | 34.02 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *8.72* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 21 13 23-0260 | EA | 1-1/4" x 8" Long, Schedule 40 Black Steel Nipple | 39.87 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *10.95* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0261 | EA | 1-1/2" x 8" Long, Schedule 40 Black Steel Nipple | 43.08 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *12.56* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0262 | EA | 2" x 8" Long, Schedule 40 Black Steel Nipple | 58.91 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *17.87* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-0263 | EA | 2-1/2" x 8" Long, Schedule 40 Black Steel Nipple | 91.32 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *31.29* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0264 | EA | 3" x 8" Long, Schedule 40 Black Steel Nipple | 122.77 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *44.00* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-0265 | EA | 4" x 8" Long, Schedule 40 Black Steel Nipple | 146.06 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *51.92* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 23 21 13 23-0266 | EA | 3/8" x 10" Long, Schedule 40 Black Steel Nipple | 35.85 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *10.23* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0267 | EA | 1/2" x 10" Long, Schedule 40 Black Steel Nipple | 28.21 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *6.41* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0268 | EA | 3/4" x 10" Long, Schedule 40 Black Steel Nipple | 30.56 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *7.58* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0269 | EA | 1" x 10" Long, Schedule 40 Black Steel Nipple | 36.95 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *10.19* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 21 13 23-0270 | EA | 1-1/4" x 10" Long, Schedule 40 Black Steel Nipple | 44.22 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *13.13* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0271 | EA | 1-1/2" x 10" Long, Schedule 40 Black Steel Nipple | 47.35 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *14.69* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0272 | EA | 2" x 10" Long, Schedule 40 Black Steel Nipple | 65.18 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *21.00* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-0273 | EA | 2-1/2" x 10" Long, Schedule 40 Black Steel Nipple | 99.04 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *35.15* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0274 | EA | 3" x 10" Long, Schedule 40 Black Steel Nipple | 133.62 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *49.43* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-0275 | EA | 4" x 10" Long, Schedule 40 Black Steel Nipple | 160.48 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *59.13* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |
| 23 21 13 23-0276 | EA | 3/8" x 12" Long, Schedule 40 Black Steel Nipple | 38.67 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *11.64* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0277 | EA | 1/2" x 12" Long, Schedule 40 Black Steel Nipple | 30.60 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *7.60* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0278 | EA | 3/4" x 12" Long, Schedule 40 Black Steel Nipple | 32.25 | 10.24 |
| | | *For Schedule 80 Nipples, Add* | *8.43* | |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 23 21 13 23-0279 | EA | 1" x 12" Long, Schedule 40 Black Steel Nipple | 39.97 | 11.10 |
| | | *For Schedule 80 Nipples, Add* | *11.70* | |
| | | *For Work In Restricted Working Space, Add* | *4.97* | |
| 23 21 13 23-0280 | EA | 1-1/4" x 12" Long, Schedule 40 Black Steel Nipple | 47.75 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *14.89* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0281 | EA | 1-1/2" x 12" Long, Schedule 40 Black Steel Nipple | 51.82 | 11.97 |
| | | *For Schedule 80 Nipples, Add* | *16.93* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-0282 | EA | 2" x 12" Long, Schedule 40 Black Steel Nipple | 71.53 | 15.41 |
| | | *For Schedule 80 Nipples, Add* | *24.18* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0283 | EA | 2-1/2" x 12" Long, Schedule 40 Black Steel Nipple | 106.95 | 19.19 |
| | | *For Schedule 80 Nipples, Add* | *39.10* | |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-0284 | EA | 3" x 12" Long, Schedule 40 Black Steel Nipple | 144.47 | 23.18 |
| | | *For Schedule 80 Nipples, Add* | *54.85* | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-0285 | EA | 4" x 12" Long, Schedule 40 Black Steel Nipple | 180.85 | 28.18 |
| | | *For Schedule 80 Nipples, Add* | *69.31* | |
| | | *For Work In Restricted Working Space, Add* | *12.67* | |

## 23 21 13 23-0286 Black Malleable Iron Bushing *(23 21 13 23-0014)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0287 | EA | 1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing | 30.96 | 17.57 |
| | | *For Work In Restricted Working Space, Add* | *7.90* | |
| 23 21 13 23-0288 | EA | 3/4" x 3/8", 150 Lb., Black Malleable Iron Bushing | 34.96 | 18.87 |
| | | *For Work In Restricted Working Space, Add* | *8.49* | |
| 23 21 13 23-0289 | EA | 3/4" x 1/2", 150 Lb., Black Malleable Iron Bushing | 37.12 | 20.27 |
| | | *For Work In Restricted Working Space, Add* | *9.14* | |
| 23 21 13 23-0290 | EA | 1" x 3/8", 150 Lb., Black Malleable Iron Bushing | 39.37 | 20.16 |
| | | *For Work In Restricted Working Space, Add* | *9.05* | |
| 23 21 13 23-0291 | EA | 1" x 1/2", 150 Lb., Black Malleable Iron Bushing | 39.20 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| 23 21 13 23-0292 | EA | 1" x 3/4", 150 Lb., Black Malleable Iron Bushing | 40.92 | 22.74 |
| | | *For Work In Restricted Working Space, Add* | *10.22* | |
| 23 21 13 23-0293 | EA | 1-1/4" x 3/8", 150 Lb., Black Malleable Iron Bushing | 42.87 | 21.67 |
| | | *For Work In Restricted Working Space, Add* | *9.77* | |
| 23 21 13 23-0294 | EA | 1-1/4" x 1/2", 150 Lb., Black Malleable Iron Bushing | 44.55 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.41* | |
| 23 21 13 23-0295 | EA | 1-1/4" x 3/4", 150 Lb., Black Malleable Iron Bushing | 45.28 | 24.26 |
| | | *For Work In Restricted Working Space, Add* | *10.93* | |
| 23 21 13 23-0296 | EA | 1-1/4" x 1", 150 Lb., Black Malleable Iron Bushing | 47.16 | 25.54 |
| | | *For Work In Restricted Working Space, Add* | *11.49* | |
| 23 21 13 23-0297 | EA | 1-1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing | 48.75 | 23.50 |
| | | *For Work In Restricted Working Space, Add* | *10.55* | |
| 23 21 13 23-0298 | EA | 1-1/2" x 1/2", 150 Lb., Black Malleable Iron Bushing | 48.52 | 24.90 |
| | | *For Work In Restricted Working Space, Add* | *11.19* | |
| 23 21 13 23-0299 | EA | 1-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing | 50.23 | 25.98 |
| | | *For Work In Restricted Working Space, Add* | *11.71* | |
| 23 21 13 23-0300 | EA | 1-1/2" x 1", 150 Lb., Black Malleable Iron Bushing | 50.74 | 27.27 |
| | | *For Work In Restricted Working Space, Add* | *12.27* | |
| 23 21 13 23-0301 | EA | 1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing | 54.50 | 28.89 |
| | | *For Work In Restricted Working Space, Add* | *12.98* | |
| 23 21 13 23-0302 | EA | 2" x 3/8", 150 Lb., Black Malleable Iron Bushing | 60.55 | 27.59 |
| | | *For Work In Restricted Working Space, Add* | *12.41* | |
| 23 21 13 23-0303 | EA | 2" x 1/2", 150 Lb., Black Malleable Iron Bushing | 60.43 | 29.00 |
| | | *For Work In Restricted Working Space, Add* | *13.05* | |
| 23 21 13 23-0304 | EA | 2" x 3/4", 150 Lb., Black Malleable Iron Bushing | 59.54 | 30.18 |
| | | *For Work In Restricted Working Space, Add* | *13.57* | |
| 23 21 13 23-0305 | EA | 2" x 1", 150 Lb., Black Malleable Iron Bushing | 60.51 | 31.37 |
| | | *For Work In Restricted Working Space, Add* | *14.13* | |
| 23 21 13 23-0306 | EA | 2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing | 62.89 | 32.99 |
| | | *For Work In Restricted Working Space, Add* | *14.84* | |
| 23 21 13 23-0307 | EA | 2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing | 67.00 | 34.71 |
| | | *For Work In Restricted Working Space, Add* | *15.62* | |
| 23 21 13 23-0308 | EA | 2-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing | 83.59 | 39.46 |
| | | *For Work In Restricted Working Space, Add* | *17.76* | |
| 23 21 13 23-0309 | EA | 2-1/2" x 1", 150 Lb., Black Malleable Iron Bushing | 85.46 | 40.75 |
| | | *For Work In Restricted Working Space, Add* | *18.32* | |
| 23 21 13 23-0310 | EA | 2-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing | 87.84 | 42.26 |
| | | *For Work In Restricted Working Space, Add* | *19.04* | |
| 23 21 13 23-0311 | EA | 2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing | 88.77 | 44.09 |
| | | *For Work In Restricted Working Space, Add* | *19.82* | |
| 23 21 13 23-0312 | EA | 2-1/2" x 2", 150 Lb., Black Malleable Iron Bushing | 94.78 | 48.18 |
| | | *For Work In Restricted Working Space, Add* | *21.68* | |
| 23 21 13 23-0313 | EA | 3" x 3/4", 150 Lb., Black Malleable Iron Bushing | 106.54 | 48.50 |
| | | *For Work In Restricted Working Space, Add* | *21.85* | |
| 23 21 13 23-0314 | EA | 3" x 1", 150 Lb., Black Malleable Iron Bushing | 108.41 | 49.80 |
| | | *For Work In Restricted Working Space, Add* | *22.41* | |
| 23 21 13 23-0315 | EA | 3" x 1-1/4", 150 Lb., Black Malleable Iron Bushing | 110.78 | 51.41 |
| | | *For Work In Restricted Working Space, Add* | *23.12* | |
| 23 21 13 23-0316 | EA | 3" x 1-1/2", 150 Lb., Black Malleable Iron Bushing | 112.73 | 53.14 |
| | | *For Work In Restricted Working Space, Add* | *23.90* | |
| 23 21 13 23-0317 | EA | 3" x 2", 150 Lb., Black Malleable Iron Bushing | 116.75 | 57.23 |
| | | *For Work In Restricted Working Space, Add* | *25.76* | |
| 23 21 13 23-0318 | EA | 3" x 2-1/2", 150 Lb., Black Malleable Iron Bushing | 131.20 | 66.61 |
| | | *For Work In Restricted Working Space, Add* | *29.95* | |
| 23 21 13 23-0319 | EA | 4" x 3/4", 150 Lb., Black Malleable Iron Bushing | 142.00 | 51.51 |
| | | *For Work In Restricted Working Space, Add* | *23.20* | |
| 23 21 13 23-0320 | EA | 4" x 1", 150 Lb., Black Malleable Iron Bushing | 143.83 | 52.78 |
| | | *For Work In Restricted Working Space, Add* | *23.75* | |
| 23 21 13 23-0321 | EA | 4" x 1-1/4", 150 Lb., Black Malleable Iron Bushing | 146.15 | 54.36 |
| | | *For Work In Restricted Working Space, Add* | *24.45* | |
| 23 21 13 23-0322 | EA | 4" x 1-1/2", 150 Lb., Black Malleable Iron Bushing | 148.70 | 56.06 |
| | | *For Work In Restricted Working Space, Add* | *25.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0323 | EA | 4" x 2", 150 Lb., Black Malleable Iron Bushing | 151.30 | 60.07 |
| | | *For Work In Restricted Working Space, Add* | *27.03* | |
| 23 21 13 23-0324 | EA | 4" x 2-1/2", 150 Lb., Black Malleable Iron Bushing | 164.99 | 69.25 |
| | | *For Work In Restricted Working Space, Add* | *31.14* | |
| 23 21 13 23-0325 | EA | 4" x 3", 150 Lb., Black Malleable Iron Bushing | 178.33 | 78.11 |
| | | *For Work In Restricted Working Space, Add* | *35.14* | |

## 23 21 13 23-0326 Black Malleable Iron Square Head Plugs *(23 21 13 23-0014)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0327 | EA | 3/8", 150 Lb., Black Malleable Iron Square Head Plug | 13.11 | 6.36 |
| | | *For Work In Restricted Working Space, Add* | *2.87* | |
| 23 21 13 23-0328 | EA | 1/2", 150 Lb., Black Malleable Iron Square Head Plug | 15.27 | 7.66 |
| | | *For Work In Restricted Working Space, Add* | *3.45* | |
| 23 21 13 23-0329 | EA | 3/4", 150 Lb., Black Malleable Iron Square Head Plug | 16.64 | 8.62 |
| | | *For Work In Restricted Working Space, Add* | *3.86* | |
| 23 21 13 23-0330 | EA | 1", 150 Lb., Black Malleable Iron Square Head Plug | 19.10 | 9.59 |
| | | *For Work In Restricted Working Space, Add* | *4.31* | |
| 23 21 13 23-0331 | EA | 1-1/4", 150 Lb., Black Malleable Iron Square Head Plug | 22.23 | 10.89 |
| | | *For Work In Restricted Working Space, Add* | *4.88* | |
| 23 21 13 23-0332 | EA | 1-1/2", 150 Lb., Black Malleable Iron Square Head Plug | 26.66 | 12.18 |
| | | *For Work In Restricted Working Space, Add* | *5.50* | |
| 23 21 13 23-0333 | EA | 2", 150 Lb., Black Malleable Iron Square Head Plug | 35.14 | 15.52 |
| | | *For Work In Restricted Working Space, Add* | *6.99* | |
| 23 21 13 23-0334 | EA | 2-1/2", 150 Lb., Black Malleable Iron Square Head Plug | 56.01 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 23 21 13 23-0335 | EA | 3", 150 Lb., Black Malleable Iron Square Head Plug | 74.94 | 30.29 |
| | | *For Work In Restricted Working Space, Add* | *13.62* | |
| 23 21 13 23-0336 | EA | 4", 150 Lb., Black Malleable Iron Square Head Plug | 111.25 | 32.83 |
| | | *For Work In Restricted Working Space, Add* | *14.78* | |
| 23 21 13 23-0337 | EA | 5", 150 Lb., Black Malleable Iron Square Head Plug | 184.56 | 34.30 |
| | | *For Work In Restricted Working Space, Add* | *15.42* | |
| 23 21 13 23-0338 | EA | 6", 150 Lb., Black Malleable Iron Square Head Plug | 218.66 | 35.78 |
| | | *For Work In Restricted Working Space, Add* | *16.12* | |

## 23 21 13 23-0339 125 Lb., Black Cast Iron Screwed Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0340 | EA | 3/4", 125 Lb., Black Cast Iron Flange | 132.17 | 43.11 |
| | | *For Work In Restricted Working Space, Add* | *19.40* | |
| 23 21 13 23-0341 | EA | 1", 125 Lb., Black Cast Iron Flange | 116.00 | 48.72 |
| | | *For Work In Restricted Working Space, Add* | *21.92* | |
| 23 21 13 23-0342 | EA | 1-1/4", 125 Lb., Black Cast Iron Flange | 126.99 | 50.45 |
| | | *For Work In Restricted Working Space, Add* | *22.69* | |
| 23 21 13 23-0343 | EA | 1-1/2", 125 Lb., Black Cast Iron Flange | 129.75 | 54.87 |
| | | *For Work In Restricted Working Space, Add* | *24.69* | |
| 23 21 13 23-0344 | EA | 2", 125 Lb., Black Cast Iron Flange | 133.25 | 57.23 |
| | | *For Work In Restricted Working Space, Add* | *25.77* | |
| 23 21 13 23-0345 | EA | 2-1/2", 125 Lb., Black Cast Iron Flange | 154.74 | 66.29 |
| | | *For Work In Restricted Working Space, Add* | *29.80* | |
| 23 21 13 23-0346 | EA | 3", 125 Lb., Black Cast Iron Flange | 197.44 | 84.08 |
| | | *For Work In Restricted Working Space, Add* | *37.82* | |
| 23 21 13 23-0347 | EA | 4", 125 Lb., Black Cast Iron Flange | 265.08 | 112.64 |
| | | *For Work In Restricted Working Space, Add* | *50.67* | |
| 23 21 13 23-0348 | EA | 5", 125 Lb., Black Cast Iron Flange | 336.95 | 134.17 |
| | | *For Work In Restricted Working Space, Add* | *60.32* | |
| 23 21 13 23-0349 | EA | 6", 125 Lb., Black Cast Iron Flange | 384.65 | 154.02 |
| | | *For Work In Restricted Working Space, Add* | *69.27* | |

## 23 21 13 23-0350 150 Lb., Black Malleable Iron Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0351 | EA | 1/2", 150 Lb., Black Malleable Iron Flange | 73.99 | 39.34 |
| | | *For Work In Restricted Working Space, Add* | *17.72* | |
| 23 21 13 23-0352 | EA | 3/4", 150 Lb., Black Malleable Iron Flange | 80.77 | 43.11 |
| | | *For Work In Restricted Working Space, Add* | *19.40* | |
| 23 21 13 23-0353 | EA | 1", 150 Lb., Black Malleable Iron Flange | 93.97 | 48.72 |
| | | *For Work In Restricted Working Space, Add* | *21.92* | |
| 23 21 13 23-0354 | EA | 1-1/4", 150 Lb., Black Malleable Iron Flange | 97.98 | 50.45 |
| | | *For Work In Restricted Working Space, Add* | *22.69* | |
| 23 21 13 23-0355 | EA | 1-1/2", 150 Lb., Black Malleable Iron Flange | 106.67 | 54.87 |
| | | *For Work In Restricted Working Space, Add* | *24.69* | |
| 23 21 13 23-0356 | EA | 2", 150 Lb., Black Malleable Iron Flange | 117.67 | 57.23 |
| | | *For Work In Restricted Working Space, Add* | *25.76* | |
| 23 21 13 23-0357 | EA | 2-1/2", 150 Lb., Black Malleable Iron Flange | 149.19 | 66.29 |
| | | *For Work In Restricted Working Space, Add* | *29.80* | |
| 23 21 13 23-0358 | EA | 3", 150 Lb., Black Malleable Iron Flange | 189.06 | 84.08 |
| | | *For Work In Restricted Working Space, Add* | *37.81* | |
| 23 21 13 23-0359 | EA | 4", 150 Lb., Black Malleable Iron Flange | 275.89 | 112.64 |
| | | *For Work In Restricted Working Space, Add* | *50.66* | |

## 23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe *(23 21 13 23-0014)*

Note: For use when connecting pipe to an existing in-place system.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0361 | EA | 1/2", Cut And Thread Existing In Place Black Steel Pipe | 35.12 | |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 23 21 13 23-0362 | EA | 3/4", Cut And Thread Existing In Place Black Steel Pipe | 38.63 | |
| | | *For Work In Restricted Working Space, Add* | *11.59* | |
| 23 21 13 23-0363 | EA | 1", Cut And Thread Existing In Place Black Steel Pipe | 42.15 | |
| | | *For Work In Restricted Working Space, Add* | *12.65* | |
| 23 21 13 23-0364 | EA | 1-1/4", Cut And Thread Existing In Place Black Steel Pipe | 45.65 | |
| | | *For Work In Restricted Working Space, Add* | *13.70* | |
| 23 21 13 23-0365 | EA | 1-1/2", Cut And Thread Existing In Place Black Steel Pipe | 47.99 | |
| | | *For Work In Restricted Working Space, Add* | *14.40* | |
| 23 21 13 23-0366 | EA | 2", Cut And Thread Existing In Place Black Steel Pipe | 50.33 | |
| | | *For Work In Restricted Working Space, Add* | *15.10* | |
| 23 21 13 23-0367 | EA | 2-1/2", Cut And Thread Existing In Place Black Steel Pipe | 52.68 | |
| | | *For Work In Restricted Working Space, Add* | *15.80* | |
| 23 21 13 23-0368 | EA | 3", Cut And Thread Existing In Place Black Steel Pipe | 55.01 | |
| | | *For Work In Restricted Working Space, Add* | *16.50* | |
| 23 21 13 23-0369 | EA | 4", Cut And Thread Existing In Place Black Steel Pipe | 57.36 | |
| | | *For Work In Restricted Working Space, Add* | *17.21* | |
| 23 21 13 23-0370 | EA | 6", Cut And Thread Existing In Place Black Steel Pipe | 62.04 | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |
| 23 21 13 23-0371 | EA | 8", Cut And Thread Existing In Place Black Steel Pipe | 66.72 | |
| | | *For Work In Restricted Working Space, Add* | *20.02* | |
| 23 21 13 23-0372 | EA | 10", Cut And Thread Existing In Place Black Steel Pipe | 72.57 | |
| | | *For Work In Restricted Working Space, Add* | *21.77* | |
| 23 21 13 23-0373 | EA | 12", Cut And Thread Existing In Place Black Steel Pipe | 77.25 | |
| | | *For Work In Restricted Working Space, Add* | *23.18* | |

## 23 21 13 23-0374 Welded Black Steel Pipe *(23 21 13 23)*

## 23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0376 | LF | 3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 27.99 | 8.23 |
| | | *For Work In Restricted Working Space, Add* | *6.01* | |
| 23 21 13 23-0377 | LF | 1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 31.51 | 8.77 |
| | | *For Work In Restricted Working Space, Add* | *6.73* | |
| 23 21 13 23-0378 | LF | 1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 38.73 | 9.32 |
| | | *For Work In Restricted Working Space, Add* | *7.72* | |
| 23 21 13 23-0379 | LF | 1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 42.31 | 9.32 |
| | | *For Work In Restricted Working Space, Add* | *8.08* | |
| 23 21 13 23-0380 | LF | 2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 48.55 | 9.32 |
| | | *For Work In Restricted Working Space, Add* | *9.35* | |
| 23 21 13 23-0381 | LF | 2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 56.15 | 9.32 |
| | | *For Work In Restricted Working Space, Add* | *10.84* | |
| 23 21 13 23-0382 | LF | 3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 68.30 | 9.10 |
| | | *For Work In Restricted Working Space, Add* | *11.44* | |
| 23 21 13 23-0383 | LF | 4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 93.97 | 11.58 |
| | | *For Work In Restricted Working Space, Add* | *14.38* | |
| 23 21 13 23-0384 | LF | 6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 131.60 | 17.27 |
| | | *For Work In Restricted Working Space, Add* | *16.55* | |
| 23 21 13 23-0385 | LF | 8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 198.47 | 21.45 |
| | | *For Work In Restricted Working Space, Add* | *24.56* | |
| 23 21 13 23-0386 | LF | 10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 266.18 | 26.81 |
| | | *For Work In Restricted Working Space, Add* | *29.28* | |
| 23 21 13 23-0387 | LF | 12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 337.03 | 32.39 |
| | | *For Work In Restricted Working Space, Add* | *33.84* | |
| 23 21 13 23-0388 | LF | 14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 354.21 | 42.26 |
| | | *For Work In Restricted Working Space, Add* | *37.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0389 | LF | 16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 407.62 | 53.62 |
| | | *For Work In Restricted Working Space, Add* | *42.19* | |
| 23 21 13 23-0390 | LF | 18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 521.45 | 66.39 |
| | | *For Work In Restricted Working Space, Add* | *46.29* | |
| 23 21 13 23-0391 | LF | 20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 646.05 | 82.04 |
| | | *For Work In Restricted Working Space, Add* | *52.98* | |
| 23 21 13 23-0392 | LF | 24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly<br>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. | 800.72 | 92.98 |
| | | *For Work In Restricted Working Space, Add* | *58.25* | |
| **23 21 13 23-0393** | | **Welded Black Steel Pipe And Fittings** *(23 21 13 23-0374)*<br>Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings. | | |
| **23 21 13 23-0394** | | **Welded Plain End (A-53) Black Steel Piping** *(23 21 13 23-0393)* | | |
| 23 21 13 23-0395 | LF | 3/4" Schedule 40, Welded Plain End Black Steel Pipe | 13.00 | 4.38 |
| | | *For Schedule 80 Pipe, Add* | *2.16* | |
| | | *For Work In Restricted Working Space, Add* | *2.63* | |
| 23 21 13 23-0396 | LF | 1" Schedule 40, Welded Plain End Black Steel Pipe | 16.59 | 5.48 |
| | | *For Schedule 80 Pipe, Add* | *2.77* | |
| | | *For Work In Restricted Working Space, Add* | *3.29* | |
| 23 21 13 23-0397 | LF | 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe | 21.41 | 6.58 |
| | | *For Schedule 80 Pipe, Add* | *3.62* | |
| | | *For Work In Restricted Working Space, Add* | *3.95* | |
| 23 21 13 23-0398 | LF | 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe | 26.32 | 7.67 |
| | | *For Schedule 80 Pipe, Add* | *4.50* | |
| | | *For Work In Restricted Working Space, Add* | *4.61* | |
| 23 21 13 23-0399 | LF | 2" Schedule 40, Welded Plain End Black Steel Pipe | 31.31 | 9.10 |
| | | *For Schedule 80 Pipe, Add* | *5.35* | |
| | | *For Work In Restricted Working Space, Add* | *5.46* | |
| 23 21 13 23-0400 | LF | 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe | 35.92 | 10.31 |
| | | *For Schedule 80 Pipe, Add* | *8.97* | |
| | | *For Work In Restricted Working Space, Add* | *6.18* | |
| 23 21 13 23-0401 | LF | 3" Schedule 40, Welded Plain End Black Steel Pipe | 46.45 | 11.07 |
| | | *For Schedule 80 Pipe, Add* | *12.38* | |
| | | *For Work In Restricted Working Space, Add* | *6.65* | |
| 23 21 13 23-0402 | LF | 4" Schedule 40, Welded Plain End Black Steel Pipe | 66.35 | 13.71 |
| | | *For Schedule 80 Pipe, Add* | *18.43* | |
| | | *For Work In Restricted Working Space, Add* | *8.22* | |
| 23 21 13 23-0403 | LF | 6" Schedule 40, Welded Plain End Black Steel Pipe | 99.26 | 22.20 |
| | | *For Schedule 80 Pipe, Add* | *28.79* | |
| | | *For Work In Restricted Working Space, Add* | *10.19* | |
| 23 21 13 23-0404 | LF | 8" Schedule 40, Welded Plain End Black Steel Pipe | 144.54 | 23.05 |
| | | *For Schedule 80 Pipe, Add* | *42.52* | |
| | | *For Schedule 30 Pipe, Deduct* | *-24.30* | |
| | | *For Work In Restricted Working Space, Add* | *13.84* | |
| 23 21 13 23-0405 | LF | 10" Schedule 40, Welded Plain End Black Steel Pipe | 194.86 | 27.77 |
| | | *For Schedule 80 Pipe, Add* | *58.48* | |
| | | *For Schedule 30 Pipe, Deduct* | *-33.42* | |
| | | *For Work In Restricted Working Space, Add* | *16.67* | |
| 23 21 13 23-0406 | LF | 12" Schedule 40, Welded Plain End Black Steel Pipe | 251.36 | 33.57 |
| | | *For Schedule 80 Pipe, Add* | *76.23* | |
| | | *For Schedule 30 Pipe, Deduct* | *-43.56* | |
| | | *For Work In Restricted Working Space, Add* | *20.14* | |
| 23 21 13 23-0407 | LF | 14" Schedule 40, Welded Plain End Black Steel Pipe | 238.78 | 35.39 |
| | | *For Schedule 80 Pipe, Add* | *71.18* | |
| | | *For Schedule 30 Pipe, Deduct* | *-40.68* | |
| | | *For Schedule 20 Pipe, Deduct* | *-72.95* | |
| | | *For Work In Restricted Working Space, Add* | *21.24* | |
| 23 21 13 23-0408 | LF | 16" Schedule 40, Welded Plain End Black Steel Pipe | 263.93 | 38.07 |
| | | *For Schedule 80 Pipe, Add* | *79.05* | |
| | | *For Schedule 30 Pipe, Deduct* | *-45.17* | |
| | | *For Schedule 20 Pipe, Deduct* | *-80.95* | |
| | | *For Work In Restricted Working Space, Add* | *22.85* | |
| 23 21 13 23-0409 | LF | 18" Schedule 40, Welded Plain End Black Steel Pipe | 342.62 | 41.18 |
| | | *For Schedule 80 Pipe, Add* | *105.50* | |
| | | *For Schedule 30 Pipe, Deduct* | *-60.29* | |
| | | *For Schedule 20 Pipe, Deduct* | *-107.56* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 23 21 13 23-0410 | LF | 20" Schedule 40, Welded Plain End Black Steel Pipe | 404.24 | 49.34 |
| | | *For Schedule 80 Pipe, Add* | *124.22* | |
| | | *For Work In Restricted Working Space, Add* | *29.60* | |
| 23 21 13 23-0411 | LF | 24" Schedule 40, Welded Plain End Black Steel Pipe | 508.22 | 56.73 |
| | | *For Schedule 80 Pipe, Add* | *158.02* | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| **23 21 13 23-0412** | | **Welded Plain End (A-106) Seamless Carbon Steel Piping** *(23 21 13 23-0393)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0413 | LF | 1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 11.32 | 3.07 |
| | | *For Work In Restricted Working Space, Add* | *1.84* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *2.84* | |
| 23 21 13 23-0414 | LF | 1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 11.44 | 3.40 |
| | | *For Work In Restricted Working Space, Add* | *2.01* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *2.76* | |
| 23 21 13 23-0415 | LF | 3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 14.44 | 4.38 |
| | | *For Work In Restricted Working Space, Add* | *2.63* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *3.41* | |
| 23 21 13 23-0416 | LF | 1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 17.69 | 5.48 |
| | | *For Work In Restricted Working Space, Add* | *3.29* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *4.13* | |
| 23 21 13 23-0417 | LF | 1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 22.38 | 6.58 |
| | | *For Work In Restricted Working Space, Add* | *3.95* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *5.39* | |
| 23 21 13 23-0418 | LF | 1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 26.14 | 7.67 |
| | | *For Work In Restricted Working Space, Add* | *4.61* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *6.29* | |
| 23 21 13 23-0419 | LF | 2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 31.05 | 9.10 |
| | | *For Work In Restricted Working Space, Add* | *5.46* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *7.49* | |
| 23 21 13 23-0420 | LF | 2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 41.19 | 10.31 |
| | | *For Work In Restricted Working Space, Add* | *6.18* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *14.62* | |
| 23 21 13 23-0421 | LF | 3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 47.34 | 11.07 |
| | | *For Work In Restricted Working Space, Add* | *6.65* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *17.43* | |
| 23 21 13 23-0422 | LF | 4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 58.82 | 13.71 |
| | | *For Work In Restricted Working Space, Add* | *8.22* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *21.71* | |
| 23 21 13 23-0423 | LF | 6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 92.52 | 22.25 |
| | | *For Work In Restricted Working Space, Add* | *10.19* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *37.88* | |
| 23 21 13 23-0424 | LF | 8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 134.22 | 23.05 |
| | | *For Work In Restricted Working Space, Add* | *13.84* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *56.25* | |
| 23 21 13 23-0425 | LF | 10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 181.20 | 27.77 |
| | | *For Work In Restricted Working Space, Add* | *16.67* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *78.70* | |
| 23 21 13 23-0426 | LF | 12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 220.97 | 33.57 |
| | | *For Work In Restricted Working Space, Add* | *20.14* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *96.22* | |
| 23 21 13 23-0427 | LF | 14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 259.99 | 35.39 |
| | | *For Work In Restricted Working Space, Add* | *21.24* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *116.57* | |
| 23 21 13 23-0428 | LF | 16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 300.69 | 38.07 |
| | | *For Work In Restricted Working Space, Add* | *22.85* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *137.16* | |
| 23 21 13 23-0429 | LF | 18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 365.64 | 41.18 |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *170.99* | |
| 23 21 13 23-0430 | LF | 20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 440.68 | 49.34 |
| | | *For Work In Restricted Working Space, Add* | *29.60* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *206.33* | |
| 23 21 13 23-0431 | LF | 24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe | 556.55 | 56.73 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| | | *For Schedule 80 (A-106) Carbon Steel Pipe, Add* | *265.15* | |

## 23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0433 | EA | 3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 120.03 | 67.99 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *25.31* | |
| | | *For Work In Restricted Working Space, Add* | *30.57* | |
| 23 21 13 23-0434 | EA | 1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 125.37 | 71.53 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *26.35* | |
| | | *For Work In Restricted Working Space, Add* | *32.17* | |
| 23 21 13 23-0435 | EA | 1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 140.38 | 81.51 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *29.28* | |
| | | *For Work In Restricted Working Space, Add* | *36.67* | |
| 23 21 13 23-0436 | EA | 1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 150.04 | 87.94 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *31.16* | |
| | | *For Work In Restricted Working Space, Add* | *39.57* | |
| 23 21 13 23-0437 | EA | 2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 189.71 | 114.43 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *38.90* | |
| | | *For Work In Restricted Working Space, Add* | *51.47* | |
| 23 21 13 23-0438 | EA | 2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 238.65 | 143.06 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *49.08* | |
| | | *For Work In Restricted Working Space, Add* | *64.34* | |
| 23 21 13 23-0439 | EA | 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 251.03 | 148.21 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *51.99* | |
| | | *For Work In Restricted Working Space, Add* | *66.64* | |
| 23 21 13 23-0440 | EA | 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 431.73 | 256.08 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *89.21* | |
| | | *For Work In Restricted Working Space, Add* | *115.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0441 | EA | 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 751.18 | 422.58 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *158.82* | |
| | | *For Work In Restricted Working Space, Add* | *190.09* | |
| 23 21 13 23-0442 | EA | 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 1,089.54 | 581.17 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *235.37* | |
| | | *For Work In Restricted Working Space, Add* | *261.41* | |
| 23 21 13 23-0443 | EA | 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 1,396.41 | 664.29 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *314.36* | |
| | | *For Work In Restricted Working Space, Add* | *298.76* | |
| 23 21 13 23-0444 | EA | 12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 1,883.81 | 869.13 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *428.33* | |
| | | *For Work In Restricted Working Space, Add* | *390.90* | |
| 23 21 13 23-0445 | EA | 14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 2,326.35 | 1,027.32 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *536.18* | |
| | | *For Work In Restricted Working Space, Add* | *462.07* | |
| 23 21 13 23-0446 | EA | 16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 2,874.55 | 1,199.66 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *673.52* | |
| | | *For Work In Restricted Working Space, Add* | *539.56* | |
| 23 21 13 23-0447 | EA | 18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 3,390.39 | 1,337.70 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *806.54* | |
| | | *For Work In Restricted Working Space, Add* | *601.65* | |
| 23 21 13 23-0448 | EA | 20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 4,284.24 | 1,499.85 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,049.16* | |
| | | *For Work In Restricted Working Space, Add* | *674.62* | |
| 23 21 13 23-0449 | EA | 24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 4,983.89 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,251.18* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |

### 23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0393)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0451 | EA | 4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow | 581.29 | 256.51 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *134.00* | |
| | | *For Work In Restricted Working Space, Add* | *115.39* | |
| 23 21 13 23-0452 | EA | 6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 1,011.07 | 417.76 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *237.55* | |
| | | *For Work In Restricted Working Space, Add* | *187.92* | |
| 23 21 13 23-0453 | EA | 6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 1,077.03 | 417.76 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *257.34* | |
| | | *For Work In Restricted Working Space, Add* | *187.92* | |
| 23 21 13 23-0454 | EA | 8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 1,682.83 | 581.17 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *413.35* | |
| | | *For Work In Restricted Working Space, Add* | *261.41* | |
| 23 21 13 23-0455 | EA | 8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 1,840.09 | 581.17 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *460.53* | |
| | | *For Work In Restricted Working Space, Add* | *261.41* | |
| 23 21 13 23-0456 | EA | 10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 2,292.91 | 664.29 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *583.31* | |
| | | *For Work In Restricted Working Space, Add* | *298.76* | |
| 23 21 13 23-0457 | EA | 10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 2,292.91 | 664.29 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *583.31* | |
| | | *For Work In Restricted Working Space, Add* | *298.76* | |
| 23 21 13 23-0458 | EA | 12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 3,735.98 | 885.65 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *981.37* | |
| | | *For Work In Restricted Working Space, Add* | *398.35* | |
| 23 21 13 23-0459 | EA | 12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 3,735.98 | 885.65 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *981.37* | |
| | | *For Work In Restricted Working Space, Add* | *398.35* | |
| 23 21 13 23-0460 | EA | 12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow | 4,163.74 | 885.65 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,109.70* | |
| | | *For Work In Restricted Working Space, Add* | *398.35* | |

### 23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0393)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0462 | EA | 3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 107.58 | 62.15 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *22.49* | |
| | | *For Work In Restricted Working Space, Add* | *27.95* | |
| 23 21 13 23-0463 | EA | 1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 110.87 | 64.35 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *23.13* | |
| | | *For Work In Restricted Working Space, Add* | *28.94* | |
| 23 21 13 23-0464 | EA | 1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 125.12 | 73.88 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *25.91* | |
| | | *For Work In Restricted Working Space, Add* | *33.22* | |
| 23 21 13 23-0465 | EA | 1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 133.88 | 79.70 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *27.62* | |
| | | *For Work In Restricted Working Space, Add* | *35.84* | |
| 23 21 13 23-0466 | EA | 2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 168.97 | 103.04 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *34.46* | |
| | | *For Work In Restricted Working Space, Add* | *46.37* | |
| 23 21 13 23-0467 | EA | 2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 210.79 | 129.46 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *42.86* | |
| | | *For Work In Restricted Working Space, Add* | *58.21* | |
| 23 21 13 23-0468 | EA | 3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 243.20 | 148.10 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *49.64* | |
| | | *For Work In Restricted Working Space, Add* | *66.63* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0469 | EA | 4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 418.73 | 255.96 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *85.32* | |
| | | *For Work In Restricted Working Space, Add* | *115.15* | |
| 23 21 13 23-0470 | EA | 6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 718.73 | 422.15 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *149.16* | |
| | | *For Work In Restricted Working Space, Add* | *189.87* | |
| 23 21 13 23-0471 | EA | 8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 1,030.66 | 581.17 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *217.70* | |
| | | *For Work In Restricted Working Space, Add* | *261.41* | |
| 23 21 13 23-0472 | EA | 10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 1,288.32 | 664.29 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *281.93* | |
| | | *For Work In Restricted Working Space, Add* | *298.76* | |
| 23 21 13 23-0473 | EA | 12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 1,724.65 | 867.52 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *380.84* | |
| | | *For Work In Restricted Working Space, Add* | *390.17* | |
| 23 21 13 23-0474 | EA | 14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 2,116.27 | 1,028.71 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *472.94* | |
| | | *For Work In Restricted Working Space, Add* | *462.68* | |
| 23 21 13 23-0475 | EA | 16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 2,582.34 | 1,198.38 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *586.05* | |
| | | *For Work In Restricted Working Space, Add* | *539.00* | |
| 23 21 13 23-0476 | EA | 18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 3,014.36 | 1,336.08 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *693.97* | |
| | | *For Work In Restricted Working Space, Add* | *600.95* | |
| 23 21 13 23-0477 | EA | 20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 3,734.95 | 1,499.85 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *884.37* | |
| | | *For Work In Restricted Working Space, Add* | *674.62* | |
| 23 21 13 23-0478 | EA | 24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow | 4,266.03 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,035.82* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |

## 23 21 13 23-0479 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0480 | EA | 3/4" Standard Weight, Welded Plain End Black Steel Tee | 218.89 | 116.96 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *47.25* | |
| | | *For Work In Restricted Working Space, Add* | *52.62* | |
| 23 21 13 23-0481 | EA | 1" Standard Weight, Welded Plain End Black Steel Tee | 218.82 | 116.96 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *47.24* | |
| | | *For Work In Restricted Working Space, Add* | *52.60* | |
| 23 21 13 23-0482 | EA | 1-1/4" Standard Weight, Welded Plain End Black Steel Tee | 247.47 | 130.12 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *53.76* | |
| | | *For Work In Restricted Working Space, Add* | *58.52* | |
| 23 21 13 23-0483 | EA | 1-1/2" Standard Weight, Welded Plain End Black Steel Tee | 271.66 | 146.23 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *58.48* | |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 23 21 13 23-0484 | EA | 2" Standard Weight, Welded Plain End Black Steel Tee | 339.07 | 195.24 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *70.99* | |
| | | *For Work In Restricted Working Space, Add* | *87.81* | |
| 23 21 13 23-0485 | EA | 2-1/2" Standard Weight, Welded Plain End Black Steel Tee | 386.47 | 219.35 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *81.41* | |
| | | *For Work In Restricted Working Space, Add* | *98.66* | |
| 23 21 13 23-0486 | EA | 3" Standard Weight, Welded Plain End Black Steel Tee | 462.78 | 266.38 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *96.94* | |
| | | *For Work In Restricted Working Space, Add* | *119.71* | |
| 23 21 13 23-0487 | EA | 4" Standard Weight, Welded Plain End Black Steel Tee | 665.64 | 384.87 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *139.11* | |
| | | *For Work In Restricted Working Space, Add* | *173.08* | |
| 23 21 13 23-0488 | EA | 6" Standard Weight, Welded Plain End Black Steel Tee | 1,114.66 | 635.80 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *234.31* | |
| | | *For Work In Restricted Working Space, Add* | *285.96* | |
| 23 21 13 23-0489 | EA | 8" Standard Weight, Welded Plain End Black Steel Tee | 1,626.77 | 885.65 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *348.61* | |
| | | *For Work In Restricted Working Space, Add* | *398.35* | |
| 23 21 13 23-0490 | EA | 10" Standard Weight, Welded Plain End Black Steel Tee | 2,050.35 | 1,033.22 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *452.45* | |
| | | *For Work In Restricted Working Space, Add* | *464.74* | |
| 23 21 13 23-0491 | EA | 12" Standard Weight, Welded Plain End Black Steel Tee | 2,754.04 | 1,328.47 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *617.08* | |
| | | *For Work In Restricted Working Space, Add* | *597.52* | |
| 23 21 13 23-0492 | EA | 14" Standard Weight, Welded Plain End Black Steel Tee | 3,549.33 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *820.81* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |
| 23 21 13 23-0493 | EA | 16" Standard Weight, Welded Plain End Black Steel Tee | 4,270.15 | 1,859.88 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *988.26* | |
| | | *For Work In Restricted Working Space, Add* | *836.53* | |
| 23 21 13 23-0494 | EA | 18" Standard Weight, Welded Plain End Black Steel Tee | 5,518.59 | 2,066.55 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,330.26* | |
| | | *For Work In Restricted Working Space, Add* | *929.48* | |
| 23 21 13 23-0495 | EA | 20" Standard Weight, Welded Plain End Black Steel Tee | 7,222.22 | 2,324.91 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,800.69* | |
| | | *For Work In Restricted Working Space, Add* | *1,045.66* | |
| 23 21 13 23-0496 | EA | 24" Standard Weight, Welded Plain End Black Steel Tee | 8,311.41 | 2,503.74 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *2,099.29* | |
| | | *For Work In Restricted Working Space, Add* | *1,126.10* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees *(23 21 13 23-0393)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0498 | EA | 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee | 213.40 | 113.35 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *46.18* | |
| | | *For Work In Restricted Working Space, Add* | *50.97* | |
| 23 21 13 23-0499 | EA | 1" Standard Weight, Welded Plain End Black Steel Reducing Tee | 218.82 | 116.96 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *47.24* | |
| | | *For Work In Restricted Working Space, Add* | *52.60* | |
| 23 21 13 23-0500 | EA | 1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee | 244.69 | 130.12 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *52.93* | |
| | | *For Work In Restricted Working Space, Add* | *58.52* | |
| 23 21 13 23-0501 | EA | 1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee | 268.88 | 146.23 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *57.64* | |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 23 21 13 23-0502 | EA | 2" Standard Weight, Welded Plain End Black Steel Reducing Tee | 345.32 | 195.24 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *72.85* | |
| | | *For Work In Restricted Working Space, Add* | *87.84* | |
| 23 21 13 23-0503 | EA | 2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee | 386.60 | 219.45 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *81.44* | |
| | | *For Work In Restricted Working Space, Add* | *98.70* | |
| 23 21 13 23-0504 | EA | 3" Standard Weight, Welded Plain End Black Steel Reducing Tee | 463.07 | 266.38 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *97.02* | |
| | | *For Work In Restricted Working Space, Add* | *119.71* | |
| 23 21 13 23-0505 | EA | 4" Standard Weight, Welded Plain End Black Steel Reducing Tee | 666.05 | 384.87 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *139.24* | |
| | | *For Work In Restricted Working Space, Add* | *173.08* | |
| 23 21 13 23-0506 | EA | 6" Standard Weight, Welded Plain End Black Steel Reducing Tee | 1,115.36 | 635.80 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *234.52* | |
| | | *For Work In Restricted Working Space, Add* | *285.96* | |
| 23 21 13 23-0507 | EA | 8" Standard Weight, Welded Plain End Black Steel Reducing Tee | 1,628.11 | 885.65 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *349.01* | |
| | | *For Work In Restricted Working Space, Add* | *398.35* | |
| 23 21 13 23-0508 | EA | 10" Standard Weight, Welded Plain End Black Steel Reducing Tee | 2,052.64 | 1,033.22 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *453.13* | |
| | | *For Work In Restricted Working Space, Add* | *464.74* | |
| 23 21 13 23-0509 | EA | 12" Standard Weight, Welded Plain End Black Steel Reducing Tee | 2,757.51 | 1,328.47 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *618.12* | |
| | | *For Work In Restricted Working Space, Add* | *597.52* | |
| 23 21 13 23-0510 | EA | 14" Standard Weight, Welded Plain End Black Steel Reducing Tee | 3,554.90 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *822.48* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |
| 23 21 13 23-0511 | EA | 16" Standard Weight, Welded Plain End Black Steel Reducing Tee | 4,276.89 | 1,859.88 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *990.28* | |
| | | *For Work In Restricted Working Space, Add* | *836.53* | |
| 23 21 13 23-0512 | EA | 18" Standard Weight, Welded Plain End Black Steel Reducing Tee | 5,529.62 | 2,066.55 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,333.57* | |
| | | *For Work In Restricted Working Space, Add* | *929.48* | |
| 23 21 13 23-0513 | EA | 20" Standard Weight, Welded Plain End Black Steel Reducing Tee | 7,329.33 | 2,324.91 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,832.82* | |
| | | *For Work In Restricted Working Space, Add* | *1,045.66* | |
| 23 21 13 23-0514 | EA | 24" Standard Weight, Welded Plain End Black Steel Reducing Tee | 8,789.84 | 2,503.74 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *2,242.82* | |
| | | *For Work In Restricted Working Space, Add* | *1,126.10* | |

## 23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers *(23 21 13 23-0393)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0516 | EA | 1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 136.56 | 71.29 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *29.75* | |
| | | *For Work In Restricted Working Space, Add* | *32.06* | |
| 23 21 13 23-0517 | EA | 1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 146.97 | 78.22 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *31.78* | |
| | | *For Work In Restricted Working Space, Add* | *35.18* | |
| 23 21 13 23-0518 | EA | 1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 144.25 | 76.41 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *31.25* | |
| | | *For Work In Restricted Working Space, Add* | *34.37* | |
| 23 21 13 23-0519 | EA | 1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 159.58 | 86.63 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *34.24* | |
| | | *For Work In Restricted Working Space, Add* | *38.96* | |
| 23 21 13 23-0520 | EA | 1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 151.91 | 81.51 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *32.74* | |
| | | *For Work In Restricted Working Space, Add* | *36.66* | |
| 23 21 13 23-0521 | EA | 1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 149.17 | 79.70 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *32.21* | |
| | | *For Work In Restricted Working Space, Add* | *35.84* | |
| 23 21 13 23-0522 | EA | 2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 173.08 | 103.43 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *35.64* | |
| | | *For Work In Restricted Working Space, Add* | *46.53* | |
| 23 21 13 23-0523 | EA | 2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 179.29 | 100.14 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *38.02* | |
| | | *For Work In Restricted Working Space, Add* | *45.05* | |
| 23 21 13 23-0524 | EA | 2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 171.62 | 95.04 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *36.53* | |
| | | *For Work In Restricted Working Space, Add* | *42.74* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0525 | EA | 2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 218.16 | 131.59 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *44.73* | |
| | | *For Work In Restricted Working Space, Add* | *59.19* | |
| 23 21 13 23-0526 | EA | 2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 201.46 | 118.06 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *41.85* | |
| | | *For Work In Restricted Working Space, Add* | *53.10* | |
| 23 21 13 23-0527 | EA | 2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 216.32 | 114.77 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *46.83* | |
| | | *For Work In Restricted Working Space, Add* | *51.62* | |
| 23 21 13 23-0528 | EA | 3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 244.30 | 147.66 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *50.04* | |
| | | *For Work In Restricted Working Space, Add* | *66.44* | |
| 23 21 13 23-0529 | EA | 3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 245.91 | 147.66 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *50.52* | |
| | | *For Work In Restricted Working Space, Add* | *66.44* | |
| 23 21 13 23-0530 | EA | 3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 249.33 | 147.66 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *51.55* | |
| | | *For Work In Restricted Working Space, Add* | *66.44* | |
| 23 21 13 23-0531 | EA | 4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 414.50 | 256.51 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *83.96* | |
| | | *For Work In Restricted Working Space, Add* | *115.39* | |
| 23 21 13 23-0532 | EA | 4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 416.12 | 256.51 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *84.45* | |
| | | *For Work In Restricted Working Space, Add* | *115.39* | |
| 23 21 13 23-0533 | EA | 4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 420.98 | 256.51 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *85.91* | |
| | | *For Work In Restricted Working Space, Add* | *115.39* | |
| 23 21 13 23-0534 | EA | 6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 687.92 | 417.76 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *140.60* | |
| | | *For Work In Restricted Working Space, Add* | *187.92* | |
| 23 21 13 23-0535 | EA | 6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 722.81 | 417.76 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *151.07* | |
| | | *For Work In Restricted Working Space, Add* | *187.92* | |
| 23 21 13 23-0536 | EA | 8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 1,031.65 | 635.80 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *209.41* | |
| | | *For Work In Restricted Working Space, Add* | *285.97* | |
| 23 21 13 23-0537 | EA | 8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 1,096.58 | 635.80 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *228.89* | |
| | | *For Work In Restricted Working Space, Add* | *285.97* | |
| 23 21 13 23-0538 | EA | 10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 1,198.91 | 731.17 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *244.57* | |
| | | *For Work In Restricted Working Space, Add* | *328.86* | |
| 23 21 13 23-0539 | EA | 10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 1,276.98 | 731.17 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *267.99* | |
| | | *For Work In Restricted Working Space, Add* | *328.86* | |
| 23 21 13 23-0540 | EA | 10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer | 1,379.69 | 731.17 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *298.81* | |
| | | *For Concentric Reducers, Deduct* | *-90.72* | |
| | | *For Work In Restricted Working Space, Add* | *328.86* | |
| 23 21 13 23-0541 | EA | 12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 1,485.56 | 883.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *306.51* | |
| | | *For Work In Restricted Working Space, Add* | *397.59* | |
| 23 21 13 23-0542 | EA | 12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 1,576.76 | 883.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *333.87* | |
| | | *For Work In Restricted Working Space, Add* | *397.59* | |
| 23 21 13 23-0543 | EA | 12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer | 1,730.93 | 883.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *380.12* | |
| | | *For Concentric Reducers, Deduct* | *-129.80* | |
| | | *For Work In Restricted Working Space, Add* | *397.59* | |
| 23 21 13 23-0544 | EA | 12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer | 1,482.99 | 883.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *305.74* | |
| | | *For Concentric Reducers, Deduct* | *-50.46* | |
| | | *For Work In Restricted Working Space, Add* | *397.59* | |
| 23 21 13 23-0545 | EA | 14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 1,830.46 | 1,033.22 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *386.48* | |
| | | *For Work In Restricted Working Space, Add* | *464.74* | |
| 23 21 13 23-0546 | EA | 14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 1,878.49 | 1,033.22 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *400.89* | |
| | | *For Work In Restricted Working Space, Add* | *464.74* | |
| 23 21 13 23-0547 | EA | 14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 2,357.30 | 1,033.22 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *544.53* | |
| | | *For Work In Restricted Working Space, Add* | *464.74* | |
| 23 21 13 23-0548 | EA | 16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 2,173.04 | 1,162.45 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *468.92* | |
| | | *For Work In Restricted Working Space, Add* | *522.83* | |
| 23 21 13 23-0549 | EA | 16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 2,314.43 | 1,162.45 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *511.34* | |
| | | *For Work In Restricted Working Space, Add* | *522.83* | |
| 23 21 13 23-0550 | EA | 16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer | 2,369.47 | 1,162.45 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *527.85* | |
| | | *For Concentric Reducers, Deduct* | *-200.54* | |
| | | *For Work In Restricted Working Space, Add* | *522.83* | |
| 23 21 13 23-0551 | EA | 16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 2,989.51 | 1,162.45 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *713.86* | |
| | | *For Work In Restricted Working Space, Add* | *522.83* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0552 | EA | 16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 3,298.05 | 1,162.45 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *806.42* | |
| | | *For Work In Restricted Working Space, Add* | *522.83* | |
| 23 21 13 23-0553 | EA | 18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 2,766.82 | 1,328.47 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *620.91* | |
| | | *For Work In Restricted Working Space, Add* | *597.52* | |
| 23 21 13 23-0554 | EA | 18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer | 2,130.71 | 1,328.47 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *430.08* | |
| | | *For Concentric Reducers, Deduct* | *-44.47* | |
| | | *For Work In Restricted Working Space, Add* | *597.52* | |
| 23 21 13 23-0555 | EA | 18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer | 2,841.12 | 1,328.47 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *643.20* | |
| | | *For Concentric Reducers, Deduct* | *-271.80* | |
| | | *For Work In Restricted Working Space, Add* | *597.52* | |
| 23 21 13 23-0556 | EA | 18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 2,950.66 | 1,328.47 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *676.07* | |
| | | *For Work In Restricted Working Space, Add* | *597.52* | |
| 23 21 13 23-0557 | EA | 18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 3,876.76 | 1,328.47 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *953.90* | |
| | | *For Work In Restricted Working Space, Add* | *597.52* | |
| 23 21 13 23-0558 | EA | 20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer | 3,222.23 | 1,499.85 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *730.55* | |
| | | *For Concentric Reducers, Deduct* | *-311.52* | |
| | | *For Work In Restricted Working Space, Add* | *674.62* | |
| 23 21 13 23-0559 | EA | 20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer | 3,219.72 | 1,499.85 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *729.80* | |
| | | *For Concentric Reducers, Deduct* | *-310.72* | |
| | | *For Work In Restricted Working Space, Add* | *674.62* | |
| 23 21 13 23-0560 | EA | 20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer | 4,444.87 | 1,499.85 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,097.34* | |
| | | *For Concentric Reducers, Deduct* | *-702.76* | |
| | | *For Work In Restricted Working Space, Add* | *674.62* | |
| 23 21 13 23-0561 | EA | 20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 4,936.29 | 1,499.85 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,244.77* | |
| | | *For Work In Restricted Working Space, Add* | *674.62* | |
| 23 21 13 23-0562 | EA | 20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 5,673.45 | 1,499.85 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,465.92* | |
| | | *For Work In Restricted Working Space, Add* | *674.62* | |
| 23 21 13 23-0563 | EA | 24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer | 3,600.11 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *836.05* | |
| | | *For Concentric Reducers, Deduct* | *-408.45* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |
| 23 21 13 23-0564 | EA | 24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer | 3,748.63 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *880.60* | |
| | | *For Concentric Reducers, Deduct* | *-455.98* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |
| 23 21 13 23-0565 | EA | 24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer | 4,438.70 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,087.62* | |
| | | *For Concentric Reducers, Deduct* | *-676.80* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |
| 23 21 13 23-0566 | EA | 24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 5,722.85 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,472.87* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |
| 23 21 13 23-0567 | EA | 24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer | 6,685.73 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *1,761.73* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |

## 23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers *(23 21 13 23-0393)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0569 | EA | 1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 128.78 | 71.29 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *27.41* | |
| | | *For Work In Restricted Working Space, Add* | *32.06* | |
| 23 21 13 23-0570 | EA | 1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 139.19 | 78.22 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *29.44* | |
| | | *For Work In Restricted Working Space, Add* | *35.18* | |
| 23 21 13 23-0571 | EA | 1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 136.47 | 76.41 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *28.91* | |
| | | *For Work In Restricted Working Space, Add* | *34.37* | |
| 23 21 13 23-0572 | EA | 1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 151.80 | 86.63 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *31.90* | |
| | | *For Work In Restricted Working Space, Add* | *38.96* | |
| 23 21 13 23-0573 | EA | 1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 144.13 | 81.51 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *30.41* | |
| | | *For Work In Restricted Working Space, Add* | *36.66* | |
| 23 21 13 23-0574 | EA | 1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 141.39 | 79.70 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *29.87* | |
| | | *For Work In Restricted Working Space, Add* | *35.84* | |
| 23 21 13 23-0575 | EA | 2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 169.12 | 103.43 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *34.45* | |
| | | *For Work In Restricted Working Space, Add* | *46.53* | |
| 23 21 13 23-0576 | EA | 2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 164.18 | 100.14 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *33.49* | |
| | | *For Work In Restricted Working Space, Add* | *45.05* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0577 | EA | 2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 161.91 | 95.04 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *33.61* | |
| | | *For Work In Restricted Working Space, Add* | *42.74* | |
| 23 21 13 23-0578 | EA | 2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 215.28 | 131.59 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *43.87* | |
| | | *For Work In Restricted Working Space, Add* | *59.19* | |
| 23 21 13 23-0579 | EA | 2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 199.85 | 118.06 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *41.37* | |
| | | *For Work In Restricted Working Space, Add* | *53.10* | |
| 23 21 13 23-0580 | EA | 2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 202.65 | 114.77 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *42.73* | |
| | | *For Work In Restricted Working Space, Add* | *51.62* | |
| 23 21 13 23-0581 | EA | 3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 236.02 | 147.66 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *47.55* | |
| | | *For Work In Restricted Working Space, Add* | *66.44* | |
| 23 21 13 23-0582 | EA | 3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 237.10 | 147.66 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *47.88* | |
| | | *For Work In Restricted Working Space, Add* | *66.44* | |
| 23 21 13 23-0583 | EA | 3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 239.44 | 147.66 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *48.58* | |
| | | *For Work In Restricted Working Space, Add* | *66.44* | |
| 23 21 13 23-0584 | EA | 4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 403.35 | 256.51 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *80.62* | |
| | | *For Work In Restricted Working Space, Add* | *115.39* | |
| 23 21 13 23-0585 | EA | 4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 407.49 | 256.51 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *81.86* | |
| | | *For Work In Restricted Working Space, Add* | *115.39* | |
| 23 21 13 23-0586 | EA | 4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 407.49 | 256.51 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *81.86* | |
| | | *For Work In Restricted Working Space, Add* | *115.39* | |
| 23 21 13 23-0587 | EA | 6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 665.62 | 417.76 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *133.91* | |
| | | *For Work In Restricted Working Space, Add* | *187.92* | |
| 23 21 13 23-0588 | EA | 6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 673.89 | 417.76 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *136.40* | |
| | | *For Work In Restricted Working Space, Add* | *187.92* | |
| 23 21 13 23-0589 | EA | 8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 1,004.67 | 635.80 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *201.31* | |
| | | *For Work In Restricted Working Space, Add* | *285.97* | |
| 23 21 13 23-0590 | EA | 8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 1,019.42 | 635.80 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *205.74* | |
| | | *For Work In Restricted Working Space, Add* | *285.97* | |
| 23 21 13 23-0591 | EA | 10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 1,196.03 | 731.17 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *243.71* | |
| | | *For Work In Restricted Working Space, Add* | *328.86* | |
| 23 21 13 23-0592 | EA | 10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 1,189.92 | 731.17 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *241.88* | |
| | | *For Work In Restricted Working Space, Add* | *328.86* | |
| 23 21 13 23-0593 | EA | 10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 1,266.91 | 731.17 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *264.97* | |
| | | *For Work In Restricted Working Space, Add* | *328.86* | |
| 23 21 13 23-0594 | EA | 12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 1,448.69 | 883.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *295.45* | |
| | | *For Work In Restricted Working Space, Add* | *397.59* | |
| 23 21 13 23-0595 | EA | 12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 1,467.17 | 883.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *301.00* | |
| | | *For Work In Restricted Working Space, Add* | *397.59* | |
| 23 21 13 23-0596 | EA | 12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 1,473.87 | 883.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *303.01* | |
| | | *For Work In Restricted Working Space, Add* | *397.59* | |
| 23 21 13 23-0597 | EA | 12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 1,670.12 | 883.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *361.88* | |
| | | *For Work In Restricted Working Space, Add* | *397.59* | |
| 23 21 13 23-0598 | EA | 14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 1,734.76 | 1,033.22 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *357.77* | |
| | | *For Work In Restricted Working Space, Add* | *464.74* | |
| 23 21 13 23-0599 | EA | 14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 1,803.30 | 1,033.22 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *378.33* | |
| | | *For Work In Restricted Working Space, Add* | *464.74* | |
| 23 21 13 23-0600 | EA | 14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 1,862.84 | 1,033.22 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *396.19* | |
| | | *For Work In Restricted Working Space, Add* | *464.74* | |
| 23 21 13 23-0601 | EA | 14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,092.95 | 1,033.22 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *465.23* | |
| | | *For Work In Restricted Working Space, Add* | *464.74* | |
| 23 21 13 23-0602 | EA | 16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,067.63 | 1,162.45 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *437.30* | |
| | | *For Work In Restricted Working Space, Add* | *522.83* | |
| 23 21 13 23-0603 | EA | 16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,067.63 | 1,162.45 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *437.30* | |
| | | *For Work In Restricted Working Space, Add* | *522.83* | |
| 23 21 13 23-0604 | EA | 16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,101.81 | 1,162.45 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *447.55* | |
| | | *For Work In Restricted Working Space, Add* | *522.83* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0605 | EA | 16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,215.31 | 1,162.45 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *481.60* | |
| | | *For Work In Restricted Working Space, Add* | *522.83* | |
| 23 21 13 23-0606 | EA | 16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,685.37 | 1,162.45 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *622.62* | |
| | | *For Work In Restricted Working Space, Add* | *522.83* | |
| 23 21 13 23-0607 | EA | 18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,346.63 | 1,328.47 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *494.86* | |
| | | *For Work In Restricted Working Space, Add* | *597.52* | |
| 23 21 13 23-0608 | EA | 18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,434.23 | 1,328.47 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *521.14* | |
| | | *For Work In Restricted Working Space, Add* | *597.52* | |
| 23 21 13 23-0609 | EA | 18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,470.93 | 1,328.47 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *532.15* | |
| | | *For Work In Restricted Working Space, Add* | *597.52* | |
| 23 21 13 23-0610 | EA | 18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,570.76 | 1,328.47 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *562.10* | |
| | | *For Work In Restricted Working Space, Add* | *597.52* | |
| 23 21 13 23-0611 | EA | 18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 3,717.99 | 1,328.47 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *906.27* | |
| | | *For Work In Restricted Working Space, Add* | *597.52* | |
| 23 21 13 23-0612 | EA | 20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,857.80 | 1,499.85 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *621.22* | |
| | | *For Work In Restricted Working Space, Add* | *674.62* | |
| 23 21 13 23-0613 | EA | 20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,857.80 | 1,499.85 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *621.22* | |
| | | *For Work In Restricted Working Space, Add* | *674.62* | |
| 23 21 13 23-0614 | EA | 20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 2,882.80 | 1,499.85 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *628.72* | |
| | | *For Work In Restricted Working Space, Add* | *674.62* | |
| 23 21 13 23-0615 | EA | 20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 3,030.84 | 1,499.85 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *673.14* | |
| | | *For Work In Restricted Working Space, Add* | *674.62* | |
| 23 21 13 23-0616 | EA | 20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 3,288.42 | 1,499.85 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *750.41* | |
| | | *For Work In Restricted Working Space, Add* | *674.62* | |
| 23 21 13 23-0617 | EA | 24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 3,012.63 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *659.80* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |
| 23 21 13 23-0618 | EA | 24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 3,028.27 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *664.49* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |
| 23 21 13 23-0619 | EA | 24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 3,058.85 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *673.67* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |
| 23 21 13 23-0620 | EA | 24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 3,766.85 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *886.07* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |
| 23 21 13 23-0621 | EA | 24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer | 3,906.62 | 1,549.93 |
| | | *For Schedule 80 Or Extra Heavy Fittings, Add* | *928.00* | |
| | | *For Work In Restricted Working Space, Add* | *697.11* | |

## 23 21 13 23-0622 Welded Plain End Black Steel Caps *(23 21 13 23-0393)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0623 | EA | 1" Standard Weight, Welded Plain End Black Steel Cap | 64.03 | 36.61 |
| | | *For Schedule 80 Fittings, Add* | *12.36* | |
| | | *For Work In Restricted Working Space, Add* | *16.44* | |
| 23 21 13 23-0624 | EA | 1-1/4" Standard Weight, Welded Plain End Black Steel Cap | 70.09 | 40.23 |
| | | *For Schedule 80 Fittings, Add* | *13.49* | |
| | | *For Work In Restricted Working Space, Add* | *18.09* | |
| 23 21 13 23-0625 | EA | 1-1/2" Standard Weight, Welded Plain End Black Steel Cap | 72.86 | 41.65 |
| | | *For Schedule 80 Fittings, Add* | *14.05* | |
| | | *For Work In Restricted Working Space, Add* | *18.75* | |
| 23 21 13 23-0626 | EA | 2" Standard Weight, Welded Plain End Black Steel Cap | 90.93 | 53.38 |
| | | *For Schedule 80 Fittings, Add* | *17.27* | |
| | | *For Work In Restricted Working Space, Add* | *24.01* | |
| 23 21 13 23-0627 | EA | 2-1/2" Standard Weight, Welded Plain End Black Steel Cap | 107.88 | 64.35 |
| | | *For Schedule 80 Fittings, Add* | *20.31* | |
| | | *For Work In Restricted Working Space, Add* | *28.94* | |
| 23 21 13 23-0628 | EA | 3" Standard Weight, Welded Plain End Black Steel Cap | 126.27 | 74.22 |
| | | *For Schedule 80 Fittings, Add* | *23.97* | |
| | | *For Work In Restricted Working Space, Add* | *33.39* | |
| 23 21 13 23-0629 | EA | 4" Standard Weight, Welded Plain End Black Steel Cap | 212.25 | 128.25 |
| | | *For Schedule 80 Fittings, Add* | *39.64* | |
| | | *For Work In Restricted Working Space, Add* | *57.70* | |
| 23 21 13 23-0630 | EA | 6" Standard Weight, Welded Plain End Black Steel Cap | 355.58 | 211.89 |
| | | *For Schedule 80 Fittings, Add* | *66.96* | |
| | | *For Work In Restricted Working Space, Add* | *95.32* | |
| 23 21 13 23-0631 | EA | 8" Standard Weight, Welded Plain End Black Steel Cap | 502.13 | 297.07 |
| | | *For Schedule 80 Fittings, Add* | *94.97* | |
| | | *For Work In Restricted Working Space, Add* | *133.60* | |
| 23 21 13 23-0632 | EA | 10" Standard Weight, Welded Plain End Black Steel Cap | 661.80 | 375.01 |
| | | *For Schedule 80 Fittings, Add* | *128.27* | |
| | | *For Work In Restricted Working Space, Add* | *168.65* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0633 | EA | 12" Standard Weight, Welded Plain End Black Steel Cap | 773.07 | 432.53 |
| | | *For Schedule 80 Fittings, Add* | *150.86* | |
| | | *For Work In Restricted Working Space, Add* | *194.54* | |
| 23 21 13 23-0634 | EA | 14" Standard Weight, Welded Plain End Black Steel Cap | 1,008.77 | 516.61 |
| | | *For Schedule 80 Fittings, Add* | *205.81* | |
| | | *For Work In Restricted Working Space, Add* | *232.37* | |
| 23 21 13 23-0635 | EA | 16" Standard Weight, Welded Plain End Black Steel Cap | 1,171.56 | 599.94 |
| | | *For Schedule 80 Fittings, Add* | *239.03* | |
| | | *For Work In Restricted Working Space, Add* | *269.85* | |
| 23 21 13 23-0636 | EA | 18" Standard Weight, Welded Plain End Black Steel Cap | 1,308.76 | 664.29 |
| | | *For Schedule 80 Fittings, Add* | *268.15* | |
| | | *For Work In Restricted Working Space, Add* | *298.76* | |

## 23 21 13 23-0637 150 Lb., Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0638 | EA | 2", 150 Lb., Welded Plain End Black Steel Neck Flange | 162.67 | 82.66 |
| | | *For 300 Lb. Rating, Add* | *40.14* | |
| | | *For Work In Restricted Working Space, Add* | *37.18* | |
| 23 21 13 23-0639 | EA | 2-1/2", 150 Lb., Welded Plain End Black Steel Neck Flange | 193.38 | 103.16 |
| | | *For 300 Lb. Rating, Add* | *43.36* | |
| | | *For Work In Restricted Working Space, Add* | *46.39* | |
| 23 21 13 23-0640 | EA | 3", 150 Lb., Welded Plain End Black Steel Neck Flange | 215.60 | 117.95 |
| | | *For 300 Lb. Rating, Add* | *45.72* | |
| | | *For Work In Restricted Working Space, Add* | *53.04* | |
| 23 21 13 23-0641 | EA | 4", 150 Lb., Welded Plain End Black Steel Neck Flange | 282.65 | 155.55 |
| | | *For 300 Lb. Rating, Add* | *59.08* | |
| | | *For Work In Restricted Working Space, Add* | *69.97* | |
| 23 21 13 23-0642 | EA | 6", 150 Lb., Welded Plain End Black Steel Neck Flange | 429.65 | 235.91 |
| | | *For 300 Lb. Rating, Add* | *90.36* | |
| | | *For Work In Restricted Working Space, Add* | *106.08* | |
| 23 21 13 23-0643 | EA | 8", 150 Lb., Welded Plain End Black Steel Neck Flange | 495.90 | 251.39 |
| | | *For 300 Lb. Rating, Add* | *122.93* | |
| | | *For Work In Restricted Working Space, Add* | *113.04* | |
| 23 21 13 23-0644 | EA | 10" , 150 Lb., Welded Plain End Black Steel Neck Flange | 646.62 | 315.20 |
| | | *For 300 Lb. Rating, Add* | *171.43* | |
| | | *For Work In Restricted Working Space, Add* | *141.79* | |
| 23 21 13 23-0645 | EA | 12" , 150 Lb., Welded Plain End Black Steel Neck Flange | 789.94 | 357.67 |
| | | *For 300 Lb. Rating, Add* | *233.90* | |
| | | *For Work In Restricted Working Space, Add* | *160.87* | |
| 23 21 13 23-0646 | EA | 14" , 150 Lb., Welded Plain End Black Steel Neck Flange | 1,033.62 | 432.53 |
| | | *For 300 Lb. Rating, Add* | *337.69* | |
| | | *For Work In Restricted Working Space, Add* | *194.54* | |
| 23 21 13 23-0647 | EA | 16", 150 Lb., Welded Plain End Black Steel Neck Flange | 1,355.37 | 502.66 |
| | | *For 300 Lb. Rating, Add* | *500.35* | |
| | | *For Work In Restricted Working Space, Add* | *226.09* | |
| 23 21 13 23-0648 | EA | 18", 150 Lb., Welded Plain End Black Steel Neck Flange | 1,680.36 | 563.58 |
| | | *For 300 Lb. Rating, Add* | *673.49* | |
| | | *For Work In Restricted Working Space, Add* | *253.49* | |
| 23 21 13 23-0649 | EA | 20", 150 Lb., Welded Plain End Black Steel Neck Flange | 2,130.53 | 715.33 |
| | | *For 300 Lb. Rating, Add* | *853.25* | |
| | | *For Work In Restricted Working Space, Add* | *321.74* | |
| 23 21 13 23-0650 | EA | 24", 150 Lb., Welded Plain End Black Steel Neck Flange | 2,418.25 | 774.97 |
| | | *For 300 Lb. Rating, Add* | *1,001.48* | |
| | | *For Work In Restricted Working Space, Add* | *348.55* | |

## 23 21 13 23-0651 150 Lb., Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0652 | EA | 2", 150 Lb., Welded Black Steel Slip-On Flanges | 119.45 | 82.66 |
| | | *For 300 Lb. Rating, Add* | *29.07* | |
| | | *For Work In Restricted Working Space, Add* | *29.60* | |
| 23 21 13 23-0653 | EA | 2-1/2", 150 Lb., Welded Black Steel Slip-On Flange | 147.27 | 103.16 |
| | | *For 300 Lb. Rating, Add* | *36.68* | |
| | | *For Work In Restricted Working Space, Add* | *36.17* | |
| 23 21 13 23-0654 | EA | 3", 150 Lb., Welded Black Steel Slip-On Flange | 173.91 | 117.95 |
| | | *For 300 Lb. Rating, Add* | *43.23* | |
| | | *For Work In Restricted Working Space, Add* | *42.75* | |
| 23 21 13 23-0655 | EA | 4", 150 Lb., Welded Black Steel Slip-On Flange | 229.22 | 155.55 |
| | | *For 300 Lb. Rating, Add* | *58.14* | |
| | | *For Work In Restricted Working Space, Add* | *55.91* | |
| 23 21 13 23-0656 | EA | 6", 150 Lb., Welded Black Steel Slip-On Flange | 340.00 | 235.91 |
| | | *For 300 Lb. Rating, Add* | *88.13* | |
| | | *For Work In Restricted Working Space, Add* | *82.22* | |
| 23 21 13 23-0657 | EA | 8", 150 Lb., Welded Black Steel Slip-On Flange | 443.53 | 251.39 |
| | | *For 300 Lb. Rating, Add* | *126.34* | |
| | | *For Work In Restricted Working Space, Add* | *102.96* | |
| 23 21 13 23-0658 | EA | 10", 150 Lb., Welded Black Steel Slip-On Flange | 602.21 | 315.20 |
| | | *For 300 Lb. Rating, Add* | *200.94* | |
| | | *For Work In Restricted Working Space, Add* | *128.70* | |
| 23 21 13 23-0659 | EA | 12", 150 Lb., Welded Black Steel Slip-On Flange | 788.08 | 357.67 |
| | | *For 300 Lb. Rating, Add* | *300.02* | |
| | | *For Work In Restricted Working Space, Add* | *154.43* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0660 | EA | 14", 150 Lb., Welded Black Steel Slip-On Flange | 999.88 | 432.53 |
| | | *For 300 Lb. Rating, Add* | *422.43* | |
| | | *For Work In Restricted Working Space, Add* | *180.17* | |
| 23 21 13 23-0661 | EA | 16", 150 Lb., Welded Black Steel Slip-On Flange | 1,202.55 | 502.66 |
| | | *For 300 Lb. Rating, Add* | *553.68* | |
| | | *For Work In Restricted Working Space, Add* | *199.48* | |
| 23 21 13 23-0662 | EA | 18", 150 Lb., Welded Black Steel Slip-On Flange | 1,332.08 | 563.58 |
| | | *For 300 Lb. Rating, Add* | *619.09* | |
| | | *For Work In Restricted Working Space, Add* | *218.78* | |
| 23 21 13 23-0663 | EA | 20", 150 Lb., Welded Black Steel Slip-On Flange | 1,478.81 | 715.33 |
| | | *For 300 Lb. Rating, Add* | *699.99* | |
| | | *For Work In Restricted Working Space, Add* | *238.09* | |
| 23 21 13 23-0664 | EA | 24", 150 Lb., Welded Black Steel Slip-On Flange | 1,692.18 | 774.97 |
| | | *For 300 Lb. Rating, Add* | *789.72* | |
| | | *For Work In Restricted Working Space, Add* | *276.70* | |

## 23 21 13 23-0665 150 Lb., Forged Steel Blind Flanges *(23 21 13 23-0393)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0666 | EA | 2", 150 Lb., Forged Steel Blind Flange | 80.42 | 29.28 |
| | | *For 300 Lb. Rating, Add* | *23.64* | |
| | | *For 600 Lb. Rating, Add* | *61.27* | |
| | | *For Work In Restricted Working Space, Add* | *17.57* | |
| 23 21 13 23-0667 | EA | 2-1/2", 150 Lb., Forged Steel Blind Flange | 105.72 | 35.13 |
| | | *For 300 Lb. Rating, Add* | *35.75* | |
| | | *For 600 Lb. Rating, Add* | *95.64* | |
| | | *For Work In Restricted Working Space, Add* | *21.08* | |
| 23 21 13 23-0668 | EA | 3", 150 Lb., Forged Steel Blind Flange | 130.36 | 46.85 |
| | | *For 300 Lb. Rating, Add* | *39.18* | |
| | | *For 600 Lb. Rating, Add* | *102.08* | |
| | | *For Work In Restricted Working Space, Add* | *28.10* | |
| 23 21 13 23-0669 | EA | 4", 150 Lb., Forged Steel Blind Flange | 167.65 | 58.55 |
| | | *For 300 Lb. Rating, Add* | *52.74* | |
| | | *For 600 Lb. Rating, Add* | *138.89* | |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |
| 23 21 13 23-0670 | EA | 6", 150 Lb., Forged Steel Blind Flange | 228.84 | 76.12 |
| | | *For 300 Lb. Rating, Add* | *77.27* | |
| | | *For 600 Lb. Rating, Add* | *206.70* | |
| | | *For Work In Restricted Working Space, Add* | *45.67* | |
| 23 21 13 23-0671 | EA | 8", 150 Lb., Forged Steel Blind Flange | 297.18 | 87.83 |
| | | *For 300 Lb. Rating, Add* | *115.66* | |
| | | *For 600 Lb. Rating, Add* | *318.00* | |
| | | *For Work In Restricted Working Space, Add* | *52.70* | |
| 23 21 13 23-0672 | EA | 10", 150 Lb., Forged Steel Blind Flange | 448.07 | 105.39 |
| | | *For 300 Lb. Rating, Add* | *211.96* | |
| | | *For 600 Lb. Rating, Add* | *601.11* | |
| | | *For Work In Restricted Working Space, Add* | *63.23* | |
| 23 21 13 23-0673 | EA | 12", 150 Lb., Forged Steel Blind Flange | 581.77 | 122.96 |
| | | *For 300 Lb. Rating, Add* | *294.51* | |
| | | *For 600 Lb. Rating, Add* | *842.95* | |
| | | *For Work In Restricted Working Space, Add* | *73.77* | |
| 23 21 13 23-0674 | EA | 14", 150 Lb., Forged Steel Blind Flange | 972.56 | 140.53 |
| | | *For 300 Lb. Rating, Add* | *582.73* | |
| | | *For Work In Restricted Working Space, Add* | *84.31* | |
| 23 21 13 23-0675 | EA | 16", 150 Lb., Forged Steel Blind Flange | 1,045.07 | 158.09 |
| | | *For 300 Lb. Rating, Add* | *616.32* | |
| | | *For Work In Restricted Working Space, Add* | *94.85* | |
| 23 21 13 23-0676 | EA | 18", 150 Lb., Forged Steel Blind Flange | 1,178.12 | 193.21 |
| | | *For 300 Lb. Rating, Add* | *673.92* | |
| | | *For Work In Restricted Working Space, Add* | *115.93* | |
| 23 21 13 23-0677 | EA | 20", 150 Lb., Forged Steel Blind Flange | 1,505.52 | 210.78 |
| | | *For 300 Lb. Rating, Add* | *911.42* | |
| | | *For Work In Restricted Working Space, Add* | *126.47* | |
| 23 21 13 23-0678 | EA | 24", 150 Lb., Forged Steel Blind Flange | 2,043.69 | 245.91 |
| | | *For 300 Lb. Rating, Add* | *1,293.13* | |
| | | *For Work In Restricted Working Space, Add* | *147.55* | |

## 23 21 13 23-0679 3,000 Lb., Forge Steel Thread-O-Lets *(23 21 13 23-0393)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0680 | EA | 1/2", 3,000 Lb., Forge Steel Thread-O-Let | 75.97 | |
| | | *For Work In Restricted Working Space, Add* | *20.72* | |
| 23 21 13 23-0681 | EA | 3/4", 3,000 Lb., Forge Steel Thread-O-Let | 80.46 | |
| | | *For Work In Restricted Working Space, Add* | *21.71* | |
| 23 21 13 23-0682 | EA | 1", 3,000 Lb., Forge Steel Thread-O-Let | 85.84 | |
| | | *For Work In Restricted Working Space, Add* | *23.02* | |
| 23 21 13 23-0683 | EA | 1-1/4", 3,000 Lb., Forge Steel Thread-O-Let | 95.12 | |
| | | *For Work In Restricted Working Space, Add* | *24.67* | |
| 23 21 13 23-0684 | EA | 1-1/2", 3,000 Lb., Forge Steel Thread-O-Let | 106.73 | |
| | | *For Work In Restricted Working Space, Add* | *27.95* | |
| 23 21 13 23-0685 | EA | 2", 3,000 Lb., Forge Steel Thread-O-Let | 137.93 | |
| | | *For Work In Restricted Working Space, Add* | *36.54* | |
| 23 21 13 23-0686 | EA | 2-1/2", 3,000 Lb., Forge Steel Thread-O-Let | 215.15 | |
| | | *For Work In Restricted Working Space, Add* | *46.98* | |
| 23 21 13 23-0687 | EA | 3", 3,000 Lb., Forge Steel Thread-O-Let | 296.69 | |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0688 | EA | 4", 3,000 Lb., Forge Steel Thread-O-Let | 395.09 | |
| | | *For Work In Restricted Working Space, Add* | *82.22* | |

## 23 21 13 23-0689 3,000 Lb., Forge Steel Weld-O-Lets *(23 21 13 23-0393)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0690 | EA | 1/2", 3,000 Lb., Forge Steel Weld-O-Let | 89.48 | |
| | | *For Work In Restricted Working Space, Add* | *23.91* | |
| 23 21 13 23-0691 | EA | 3/4", 3,000 Lb., Forge Steel Weld-O-Let | 95.01 | |
| | | *For Work In Restricted Working Space, Add* | *25.06* | |
| 23 21 13 23-0692 | EA | 1", 3,000 Lb., Forge Steel Weld-O-Let | 100.58 | |
| | | *For Work In Restricted Working Space, Add* | *26.31* | |
| 23 21 13 23-0693 | EA | 1-1/4", 3,000 Lb., Forge Steel Weld-O-Let | 115.71 | |
| | | *For Work In Restricted Working Space, Add* | *29.24* | |
| 23 21 13 23-0694 | EA | 1-1/2", 3,000 Lb., Forge Steel Weld-O-Let | 128.79 | |
| | | *For Work In Restricted Working Space, Add* | *32.89* | |
| 23 21 13 23-0695 | EA | 2", 3,000 Lb., Forge Steel Weld-O-Let | 171.99 | |
| | | *For Work In Restricted Working Space, Add* | *43.84* | |
| 23 21 13 23-0696 | EA | 2-1/2", 3,000 Lb., Forge Steel Weld-O-Let | 258.26 | |
| | | *For Work In Restricted Working Space, Add* | *52.62* | |
| 23 21 13 23-0697 | EA | 3", 3,000 Lb., Forge Steel Weld-O-Let | 339.82 | |
| | | *For Work In Restricted Working Space, Add* | *69.06* | |
| 23 21 13 23-0698 | EA | 4", 3,000 Lb., Forge Steel Weld-O-Let | 463.68 | |
| | | *For Work In Restricted Working Space, Add* | *87.71* | |
| 23 21 13 23-0699 | EA | 6", 3,000 Lb., Forge Steel Weld-O-Let | 665.71 | |
| | | *For Work In Restricted Working Space, Add* | *131.54* | |
| 23 21 13 23-0700 | EA | 8", 3,000 Lb., Forge Steel Weld-O-Let | 1,014.58 | |
| | | *For Work In Restricted Working Space, Add* | *175.38* | |
| 23 21 13 23-0701 | EA | 10", 3,000 Lb., Forge Steel Weld-O-Let | 1,285.92 | |
| | | *For Work In Restricted Working Space, Add* | *202.38* | |
| 23 21 13 23-0702 | EA | 12", 3,000 Lb., Forge Steel Weld-O-Let | 1,958.41 | |
| | | *For Work In Restricted Working Space, Add* | *239.18* | |

## 23 21 13 23-0703 3,000 Lb., Forge Steel Sock-O-Lets *(23 21 13 23-0393)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0704 | EA | 1/2", 3,000 Lb., Forge Steel Sock-O-Let | 105.07 | |
| | | *For Work In Restricted Working Space, Add* | *28.58* | |
| 23 21 13 23-0705 | EA | 3/4", 3,000 Lb., Forge Steel Sock-O-Let | 111.39 | |
| | | *For Work In Restricted Working Space, Add* | *29.96* | |
| 23 21 13 23-0706 | EA | 1", 3,000 Lb., Forge Steel Sock-O-Let | 118.80 | |
| | | *For Work In Restricted Working Space, Add* | *31.77* | |
| 23 21 13 23-0707 | EA | 1-1/4", 3,000 Lb., Forge Steel Sock-O-Let | 131.77 | |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-0708 | EA | 1-1/2", 3,000 Lb., Forge Steel Sock-O-Let | 147.81 | |
| | | *For Work In Restricted Working Space, Add* | *38.57* | |
| 23 21 13 23-0709 | EA | 2", 3,000 Lb., Forge Steel Sock-O-Let | 192.06 | |
| | | *For Work In Restricted Working Space, Add* | *50.42* | |
| 23 21 13 23-0710 | EA | 2-1/2", 3,000 Lb., Forge Steel Sock-O-Let | 299.16 | |
| | | *For Work In Restricted Working Space, Add* | *64.82* | |
| 23 21 13 23-0711 | EA | 3", 3,000 Lb., Forge Steel Sock-O-Let | 412.49 | |
| | | *For Work In Restricted Working Space, Add* | *90.77* | |
| 23 21 13 23-0712 | EA | 4", 3,000 Lb., Forge Steel Sock-O-Let | 550.00 | |
| | | *For Work In Restricted Working Space, Add* | *113.46* | |

## 23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0714 | EA | 3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 16.06 | |
| | | Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *4.50* | |
| | | *For Hot Dip Galvanized, Add* | *6.42* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *11.24* | |
| 23 21 13 23-0715 | EA | 2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 20.38 | |
| | | Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *5.71* | |
| | | *For Hot Dip Galvanized, Add* | *8.15* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *14.27* | |
| 23 21 13 23-0716 | EA | 2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 20.60 | |
| | | Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *5.77* | |
| | | *For Hot Dip Galvanized, Add* | *8.24* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *14.42* | |
| 23 21 13 23-0717 | EA | 3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 20.71 | |
| | | Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *5.80* | |
| | | *For Hot Dip Galvanized, Add* | *8.28* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *14.50* | |
| 23 21 13 23-0718 | EA | 4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 47.10 | |
| | | Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *13.19* | |
| | | *For Hot Dip Galvanized, Add* | *18.84* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *32.97* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0719 | EA | 5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 65.97 | |
| | | Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *18.47* | |
| | | *For Hot Dip Galvanized, Add* | *26.39* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *46.18* | |
| 23 21 13 23-0720 | EA | 6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 72.75 | |
| | | Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *20.37* | |
| | | *For Hot Dip Galvanized, Add* | *29.10* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *50.93* | |
| 23 21 13 23-0721 | EA | 8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 80.11 | |
| | | Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *22.43* | |
| | | *For Hot Dip Galvanized, Add* | *32.04* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *56.08* | |
| 23 21 13 23-0722 | EA | 10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 175.74 | |
| | | Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *49.21* | |
| | | *For Hot Dip Galvanized, Add* | *70.30* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *123.02* | |
| 23 21 13 23-0723 | EA | 12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 180.03 | |
| | | Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *50.41* | |
| | | *For Hot Dip Galvanized, Add* | *72.01* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *126.02* | |
| 23 21 13 23-0724 | EA | 14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 202.02 | |
| | | Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *56.57* | |
| | | *For Hot Dip Galvanized, Add* | *80.81* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *141.41* | |
| 23 21 13 23-0725 | EA | 16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 333.60 | |
| | | Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *93.41* | |
| | | *For Hot Dip Galvanized, Add* | *133.44* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *233.52* | |
| 23 21 13 23-0726 | EA | 18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 479.19 | |
| | | Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *134.17* | |
| | | *For Hot Dip Galvanized, Add* | *191.68* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *335.43* | |
| 23 21 13 23-0727 | EA | 20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 605.60 | |
| | | Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *169.57* | |
| | | *For Hot Dip Galvanized, Add* | *242.24* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *423.92* | |
| 23 21 13 23-0728 | EA | 24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 861.40 | |
| | | Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *241.19* | |
| | | *For Hot Dip Galvanized, Add* | *344.56* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *602.98* | |
| 23 21 13 23-0729 | EA | 30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 1,359.20 | |
| | | Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *380.58* | |
| | | *For Hot Dip Galvanized, Add* | *543.68* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *951.44* | |
| 23 21 13 23-0730 | EA | 36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set | 1,913.08 | |
| | | Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *535.66* | |
| | | *For Hot Dip Galvanized, Add* | *765.23* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *1,339.16* | |

## 23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0732 | EA | 3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set | 25.86 | |
| | | Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *7.24* | |
| | | *For Hot Dip Galvanized, Add* | *10.34* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *18.10* | |
| 23 21 13 23-0733 | EA | 2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set | 47.27 | |
| | | Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *13.24* | |
| | | *For Hot Dip Galvanized, Add* | *18.91* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *33.09* | |
| 23 21 13 23-0734 | EA | 2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set | 73.46 | |
| | | Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *20.57* | |
| | | *For Hot Dip Galvanized, Add* | *29.38* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *51.42* | |
| 23 21 13 23-0735 | EA | 3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set | 79.82 | |
| | | Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. | | |
| | | *For Zinc Plated, Add* | *22.35* | |
| | | *For Hot Dip Galvanized, Add* | *31.93* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *55.87* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0736 | EA | 4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. | 84.22 | |
| | | *For Zinc Plated, Add* | *23.58* | |
| | | *For Hot Dip Galvanized, Add* | *33.69* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *58.95* | |
| 23 21 13 23-0737 | EA | 5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. | 93.04 | |
| | | *For Zinc Plated, Add* | *26.05* | |
| | | *For Hot Dip Galvanized, Add* | *37.22* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *65.13* | |
| 23 21 13 23-0738 | EA | 6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut. | 131.39 | |
| | | *For Zinc Plated, Add* | *36.79* | |
| | | *For Hot Dip Galvanized, Add* | *52.56* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *91.97* | |
| 23 21 13 23-0739 | EA | 8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut. | 203.05 | |
| | | *For Zinc Plated, Add* | *56.85* | |
| | | *For Hot Dip Galvanized, Add* | *81.22* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *142.14* | |
| 23 21 13 23-0740 | EA | 10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut. | 366.86 | |
| | | *For Zinc Plated, Add* | *102.72* | |
| | | *For Hot Dip Galvanized, Add* | *146.74* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *256.80* | |
| 23 21 13 23-0741 | EA | 12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut. | 526.79 | |
| | | *For Zinc Plated, Add* | *147.50* | |
| | | *For Hot Dip Galvanized, Add* | *210.72* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *368.75* | |
| 23 21 13 23-0742 | EA | 14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut. | 719.29 | |
| | | *For Zinc Plated, Add* | *201.40* | |
| | | *For Hot Dip Galvanized, Add* | *287.72* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *503.50* | |
| 23 21 13 23-0743 | EA | 16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut. | 989.84 | |
| | | *For Zinc Plated, Add* | *277.16* | |
| | | *For Hot Dip Galvanized, Add* | *395.94* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *692.89* | |
| 23 21 13 23-0744 | EA | 18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut. | 1,273.06 | |
| | | *For Zinc Plated, Add* | *356.46* | |
| | | *For Hot Dip Galvanized, Add* | *509.22* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *891.14* | |
| 23 21 13 23-0745 | EA | 20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut. | 1,352.81 | |
| | | *For Zinc Plated, Add* | *378.79* | |
| | | *For Hot Dip Galvanized, Add* | *541.12* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *946.97* | |
| 23 21 13 23-0746 | EA | 24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut. | 1,718.72 | |
| | | *For Zinc Plated, Add* | *481.24* | |
| | | *For Hot Dip Galvanized, Add* | *687.49* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *1,203.10* | |
| 23 21 13 23-0747 | EA | 30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut. | 2,707.37 | |
| | | *For Zinc Plated, Add* | *758.06* | |
| | | *For Hot Dip Galvanized, Add* | *1,082.95* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *1,895.16* | |
| 23 21 13 23-0748 | EA | 36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set<br>Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut. | 4,006.96 | |
| | | *For Zinc Plated, Add* | *1,121.95* | |
| | | *For Hot Dip Galvanized, Add* | *1,602.78* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *2,804.87* | |

### 23 21 13 23-0749 Class 150 Flange, Stainless Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0750 | EA | 3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut. | 16.06 | |
| 23 21 13 23-0751 | EA | 2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. | 52.50 | |
| 23 21 13 23-0752 | EA | 2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. | 52.60 | |
| 23 21 13 23-0753 | EA | 3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. | 52.70 | |
| 23 21 13 23-0754 | EA | 4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut. | 112.08 | |
| 23 21 13 23-0755 | EA | 5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. | 141.12 | |
| 23 21 13 23-0756 | EA | 6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. | 160.63 | |
| 23 21 13 23-0757 | EA | 8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. | 162.13 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0758 | EA | 10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut. | 415.75 | |
| 23 21 13 23-0759 | EA | 12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut. | 418.57 | |
| 23 21 13 23-0760 | EA | 14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut. | 631.74 | |
| 23 21 13 23-0761 | EA | 16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut. | 841.11 | |
| 23 21 13 23-0762 | EA | 18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut. | 2,175.50 | |
| 23 21 13 23-0763 | EA | 20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut. | 2,521.56 | |
| 23 21 13 23-0764 | EA | 24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set<br>Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut. | 2,912.08 | |

## 23 21 13 23-0765 150 Lb., Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. rubber gasket and rebolting.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0766 | EA | 1/2", 150 Lb., Rubber Flange Gasket Replacement | 33.05 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *0.25* | |
| | | *For Work In Restricted Working Space, Add* | *9.71* | |
| 23 21 13 23-0767 | EA | 3/4", 150 Lb., Rubber Flange Gasket Replacement | 35.45 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *0.33* | |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 23 21 13 23-0768 | EA | 1", 150 Lb., Rubber Flange Gasket Replacement | 39.38 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *0.57* | |
| | | *For Work In Restricted Working Space, Add* | *11.32* | |
| 23 21 13 23-0769 | EA | 1-1/4", 150 Lb., Rubber Flange Gasket Replacement | 42.86 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *0.66* | |
| | | *For Work In Restricted Working Space, Add* | *12.29* | |
| 23 21 13 23-0770 | EA | 1-1/2", 150 Lb., Rubber Flange Gasket Replacement | 47.64 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *0.82* | |
| | | *For Work In Restricted Working Space, Add* | *13.59* | |
| 23 21 13 23-0771 | EA | 2", 150 Lb., Rubber Flange Gasket Replacement | 52.89 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *1.15* | |
| | | *For Work In Restricted Working Space, Add* | *14.88* | |
| 23 21 13 23-0772 | EA | 2-1/2", 150 Lb., Rubber Flange Gasket Replacement | 62.70 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *1.56* | |
| | | *For Work In Restricted Working Space, Add* | *17.47* | |
| 23 21 13 23-0773 | EA | 3", 150 Lb., Rubber Flange Gasket Replacement | 66.64 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *1.81* | |
| | | *For Work In Restricted Working Space, Add* | *18.44* | |
| 23 21 13 23-0774 | EA | 4", 150 Lb., Rubber Flange Gasket Replacement | 89.33 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *2.95* | |
| | | *For Work In Restricted Working Space, Add* | *24.27* | |
| 23 21 13 23-0775 | EA | 5", 150 Lb., Rubber Flange Gasket Replacement | 103.21 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *3.28* | |
| | | *For Work In Restricted Working Space, Add* | *28.15* | |
| 23 21 13 23-0776 | EA | 6", 150 Lb., Rubber Flange Gasket Replacement | 118.96 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *4.27* | |
| | | *For Work In Restricted Working Space, Add* | *32.03* | |
| 23 21 13 23-0777 | EA | 8", 150 Lb., Rubber Flange Gasket Replacement | 147.24 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *6.24* | |
| | | *For Work In Restricted Working Space, Add* | *38.83* | |
| 23 21 13 23-0778 | EA | 10", 150 Lb., Rubber Flange Gasket Replacement | 163.37 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *8.86* | |
| | | *For Work In Restricted Working Space, Add* | *41.42* | |
| 23 21 13 23-0779 | EA | 12", 150 Lb., Rubber Flange Gasket Replacement | 188.75 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *11.33* | |
| | | *For Work In Restricted Working Space, Add* | *46.92* | |
| 23 21 13 23-0780 | EA | 14", 150 Lb., Rubber Flange Gasket Replacement | 200.47 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *13.54* | |
| | | *For Work In Restricted Working Space, Add* | *48.53* | |
| 23 21 13 23-0781 | EA | 16", 150 Lb., Rubber Flange Gasket Replacement | 258.84 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *15.10* | |
| | | *For Work In Restricted Working Space, Add* | *64.71* | |
| 23 21 13 23-0782 | EA | 18", 150 Lb., Rubber Flange Gasket Replacement | 281.20 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *15.76* | |
| | | *For Work In Restricted Working Space, Add* | *70.85* | |
| 23 21 13 23-0783 | EA | 20", 150 Lb., Rubber Flange Gasket Replacement | 336.24 | |
| | | *For 300 Lb. Rating Gasket Set, Add* | *16.91* | |
| | | *For Work In Restricted Working Space, Add* | *86.38* | |

## 23 21 13 23-0784 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0393)*

Note: For use when connecting pipe to an existing in-place system.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0785 | EA | 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 23.41 | |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 23 21 13 23-0786 | EA | 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 25.28 | |
| | | *For Work In Restricted Working Space, Add* | *7.58* | |
| 23 21 13 23-0787 | EA | 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 28.44 | |
| | | *For Work In Restricted Working Space, Add* | *8.53* | |
| 23 21 13 23-0788 | EA | 1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 29.85 | |
| | | *For Work In Restricted Working Space, Add* | *8.96* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0789 | EA | 1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 31.60 | |
| | | *For Work In Restricted Working Space, Add* | *9.48* | |
| 23 21 13 23-0790 | EA | 2", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 33.94 | |
| | | *For Work In Restricted Working Space, Add* | *10.18* | |
| 23 21 13 23-0791 | EA | 2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 36.29 | |
| | | *For Work In Restricted Working Space, Add* | *10.89* | |
| 23 21 13 23-0792 | EA | 3", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 39.80 | |
| | | *For Work In Restricted Working Space, Add* | *11.94* | |
| 23 21 13 23-0793 | EA | 4", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 43.31 | |
| | | *For Work In Restricted Working Space, Add* | *12.99* | |
| 23 21 13 23-0794 | EA | 6", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 46.82 | |
| | | *For Work In Restricted Working Space, Add* | *14.05* | |
| 23 21 13 23-0795 | EA | 8", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 50.33 | |
| | | *For Work In Restricted Working Space, Add* | *15.10* | |
| 23 21 13 23-0796 | EA | 10", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 55.02 | |
| | | *For Work In Restricted Working Space, Add* | *16.51* | |
| 23 21 13 23-0797 | EA | 12", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 59.70 | |
| | | *For Work In Restricted Working Space, Add* | *17.91* | |
| 23 21 13 23-0798 | EA | 14", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 64.38 | |
| | | *For Work In Restricted Working Space, Add* | *19.31* | |
| 23 21 13 23-0799 | EA | 16", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 69.06 | |
| | | *For Work In Restricted Working Space, Add* | *20.72* | |
| 23 21 13 23-0800 | EA | 18", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 72.57 | |
| | | *For Work In Restricted Working Space, Add* | *21.77* | |
| 23 21 13 23-0801 | EA | 20", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 76.08 | |
| | | *For Work In Restricted Working Space, Add* | *22.82* | |
| 23 21 13 23-0802 | EA | 24", Cut And Prepare For Welding Existing In Place Black Steel Pipe | 80.77 | |
| | | *For Work In Restricted Working Space, Add* | *24.23* | |

## 23 21 13 23-0803 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0804 | LF | 2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings | 28.65 | 12.06 |
| | | *For Work In Restricted Working Space, Add* | *5.92* | |
| 23 21 13 23-0805 | LF | 2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings | 33.43 | 13.15 |
| | | *For Work In Restricted Working Space, Add* | *5.92* | |
| 23 21 13 23-0806 | LF | 3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings | 36.22 | 12.94 |
| | | *For Work In Restricted Working Space, Add* | *5.80* | |
| 23 21 13 23-0807 | LF | 4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings | 45.03 | 16.44 |
| | | *For Work In Restricted Working Space, Add* | *7.40* | |
| 23 21 13 23-0808 | LF | 6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings | 75.97 | 24.34 |
| | | *For Work In Restricted Working Space, Add* | *10.94* | |
| 23 21 13 23-0809 | LF | 8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings | 99.72 | 29.28 |
| | | *For Work In Restricted Working Space, Add* | *13.19* | |
| 23 21 13 23-0810 | LF | 10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings | 137.51 | 36.46 |
| | | *For Work In Restricted Working Space, Add* | *16.41* | |
| 23 21 13 23-0811 | LF | 12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings | 167.20 | 43.98 |
| | | *For Work In Restricted Working Space, Add* | *19.77* | |
| 23 21 13 23-0812 | LF | 14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings | 212.66 | 57.06 |
| | | *For Work In Restricted Working Space, Add* | *25.67* | |

## 23 21 13 23-0813 150 Lb., Spiral Wound Metal Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.

| | | | |
|---|---|---|---|
| 23 21 13 23-0814 | EA | 1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 36.89 |
| | | *For 300 Lb., Add* | *0.34* |
| | | *For Work In Restricted Working Space, Add* | *9.71* |
| 23 21 13 23-0815 | EA | 3/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 39.11 |
| | | *For 300 Lb., Add* | *0.35* |
| | | *For Work In Restricted Working Space, Add* | *10.35* |
| 23 21 13 23-0816 | EA | 1", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 42.39 |
| | | *For 300 Lb., Add* | *0.35* |
| | | *For Work In Restricted Working Space, Add* | *11.32* |
| 23 21 13 23-0817 | EA | 1-1/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 46.34 |
| | | *For 300 Lb., Add* | *0.40* |
| | | *For Work In Restricted Working Space, Add* | *12.29* |
| 23 21 13 23-0818 | EA | 1-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 50.76 |
| | | *For 300 Lb., Add* | *0.41* |
| | | *For Work In Restricted Working Space, Add* | *13.59* |
| 23 21 13 23-0819 | EA | 2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 55.33 |
| | | *For 300 Lb., Add* | *0.43* |
| | | *For Work In Restricted Working Space, Add* | *14.88* |
| 23 21 13 23-0820 | EA | 2-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 64.46 |
| | | *For 300 Lb., Add* | *0.47* |
| | | *For Work In Restricted Working Space, Add* | *17.47* |
| 23 21 13 23-0821 | EA | 3", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 68.20 |
| | | *For 300 Lb., Add* | *0.50* |
| | | *For Work In Restricted Working Space, Add* | *18.44* |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0822 | EA | 4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 89.48 | |
| | | *For 300 Lb., Add* | *0.64* | |
| | | *For Work In Restricted Working Space, Add* | *24.27* | |
| 23 21 13 23-0823 | EA | 5", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 104.43 | |
| | | *For 300 Lb., Add* | *0.80* | |
| | | *For Work In Restricted Working Space, Add* | *28.14* | |
| 23 21 13 23-0824 | EA | 6", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 118.56 | |
| | | *For 300 Lb., Add* | *0.88* | |
| | | *For Work In Restricted Working Space, Add* | *32.03* | |
| 23 21 13 23-0825 | EA | 8", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 143.50 | |
| | | *For 300 Lb., Add* | *1.05* | |
| | | *For Work In Restricted Working Space, Add* | *38.83* | |
| 23 21 13 23-0826 | EA | 10", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 157.44 | |
| | | *For 300 Lb., Add* | *1.45* | |
| | | *For Work In Restricted Working Space, Add* | *41.42* | |
| 23 21 13 23-0827 | EA | 12", 150 Lb., Spiral Wound Metal Flange Gasket Replacement | 185.62 | |
| | | *For 300 Lb., Add* | *2.19* | |
| | | *For Work In Restricted Working Space, Add* | *46.92* | |

### 23 21 13 23-0828 150 Lb., Flexible Graphite Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0829 | EA | 1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement | 33.26 | |
| | | *For Work In Restricted Working Space, Add* | *9.71* | |
| 23 21 13 23-0830 | EA | 3/4", 150 Lb., Flexible Graphite Flange Gasket Replacement | 36.01 | |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 23 21 13 23-0831 | EA | 1", 150 Lb., Flexible Graphite Flange Gasket Replacement | 39.47 | |
| | | *For Work In Restricted Working Space, Add* | *11.32* | |
| 23 21 13 23-0832 | EA | 1-1/4", 150 Lb., Flexible Graphite Flange Gasket Replacement | 43.44 | |
| | | *For Work In Restricted Working Space, Add* | *12.29* | |
| 23 21 13 23-0833 | EA | 1-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement | 47.91 | |
| | | *For Work In Restricted Working Space, Add* | *13.59* | |
| 23 21 13 23-0834 | EA | 2", 150 Lb., Flexible Graphite Flange Gasket Replacement | 53.05 | |
| | | *For Work In Restricted Working Space, Add* | *14.88* | |
| 23 21 13 23-0835 | EA | 2-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement | 62.89 | |
| | | *For Work In Restricted Working Space, Add* | *17.47* | |
| 23 21 13 23-0836 | EA | 3", 150 Lb., Flexible Graphite Flange Gasket Replacement | 66.38 | |
| | | *For Work In Restricted Working Space, Add* | *18.44* | |
| 23 21 13 23-0837 | EA | 4", 150 Lb., Flexible Graphite Flange Gasket Replacement | 88.82 | |
| | | *For Work In Restricted Working Space, Add* | *24.27* | |
| 23 21 13 23-0838 | EA | 5", 150 Lb., Flexible Graphite Flange Gasket Replacement | 103.27 | |
| | | *For Work In Restricted Working Space, Add* | *28.14* | |
| 23 21 13 23-0839 | EA | 6", 150 Lb., Flexible Graphite Flange Gasket Replacement | 117.31 | |
| | | *For Work In Restricted Working Space, Add* | *32.03* | |
| 23 21 13 23-0840 | EA | 8", 150 Lb., Flexible Graphite Flange Gasket Replacement | 147.15 | |
| | | *For Work In Restricted Working Space, Add* | *38.83* | |
| 23 21 13 23-0841 | EA | 10", 150 Lb., Flexible Graphite Flange Gasket Replacement | 163.76 | |
| | | *For Work In Restricted Working Space, Add* | *41.42* | |
| 23 21 13 23-0842 | EA | 12", 150 Lb., Flexible Graphite Flange Gasket Replacement | 188.19 | |
| | | *For Work In Restricted Working Space, Add* | *46.92* | |

### 23 21 13 23-0843 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0844 | EA | 1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement | 53.27 | |
| | | *For Work In Restricted Working Space, Add* | *9.71* | |
| 23 21 13 23-0845 | EA | 3/4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement | 56.86 | |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| 23 21 13 23-0846 | EA | 1", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement | 61.55 | |
| | | *For Work In Restricted Working Space, Add* | *11.32* | |
| 23 21 13 23-0847 | EA | 1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement | 69.81 | |
| | | *For Work In Restricted Working Space, Add* | *12.29* | |
| 23 21 13 23-0848 | EA | 1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement | 75.08 | |
| | | *For Work In Restricted Working Space, Add* | *13.59* | |
| 23 21 13 23-0849 | EA | 2", Teflon, Spiral Wound, Flange Gasket Replacement | 81.88 | |
| | | *For Work In Restricted Working Space, Add* | *14.88* | |
| 23 21 13 23-0850 | EA | 2-1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement | 95.13 | |
| | | *For Work In Restricted Working Space, Add* | *17.47* | |
| 23 21 13 23-0851 | EA | 3", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement | 108.29 | |
| | | *For Work In Restricted Working Space, Add* | *18.44* | |
| 23 21 13 23-0852 | EA | 4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement | 136.62 | |
| | | *For Work In Restricted Working Space, Add* | *24.27* | |
| 23 21 13 23-0853 | EA | 5", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement | 163.24 | |
| | | *For Work In Restricted Working Space, Add* | *28.14* | |
| 23 21 13 23-0854 | EA | 6", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement | 214.37 | |
| | | *For Work In Restricted Working Space, Add* | *32.03* | |
| 23 21 13 23-0855 | EA | 8", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement | 235.70 | |
| | | *For Work In Restricted Working Space, Add* | *38.83* | |
| 23 21 13 23-0856 | EA | 10", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement | 268.76 | |
| | | *For Work In Restricted Working Space, Add* | *41.42* | |
| 23 21 13 23-0857 | EA | 12", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement | 353.82 | |
| | | *For Work In Restricted Working Space, Add* | *46.92* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 23 21 13 23-0858 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.

## 23 21 13 23-0859 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0858)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

## 23 21 13 23-0860 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0859)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0861 | EA | 2" Standard Weight, Flanged Steel, 90 Degree Elbow | 317.64 | 50.33 |
| | | *For Galvanized Fittings, Add* | *193.74* | |
| | | *For Extra Heavy Weight Fittings, Add* | *290.62* | |
| 23 21 13 23-0862 | EA | 2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow | 354.26 | 56.06 |
| | | *For Galvanized Fittings, Add* | *216.14* | |
| | | *For Extra Heavy Weight Fittings, Add* | *324.22* | |
| 23 21 13 23-0863 | EA | 3" Standard Weight, Flanged Steel, 90 Degree Elbow | 355.57 | 61.87 |
| | | *For Galvanized Fittings, Add* | *210.30* | |
| | | *For Extra Heavy Weight Fittings, Add* | *315.44* | |
| 23 21 13 23-0864 | EA | 4" Standard Weight, Flanged Steel, 90 Degree Elbow | 447.34 | 71.90 |
| | | *For Galvanized Fittings, Add* | *271.64* | |
| | | *For Extra Heavy Weight Fittings, Add* | *407.46* | |
| 23 21 13 23-0865 | EA | 5" Standard Weight, Flanged Steel, 90 Degree Elbow | 613.61 | 80.52 |
| | | *For Galvanized Fittings, Add* | *394.31* | |
| | | *For Extra Heavy Weight Fittings, Add* | *591.47* | |
| 23 21 13 23-0866 | EA | 6" Standard Weight, Flanged Steel, 90 Degree Elbow | 653.70 | 93.46 |
| | | *For Galvanized Fittings, Add* | *410.86* | |
| | | *For Extra Heavy Weight Fittings, Add* | *616.30* | |
| 23 21 13 23-0867 | EA | 8" Standard Weight, Flanged Steel, 90 Degree Elbow | 820.55 | 103.48 |
| | | *For Galvanized Fittings, Add* | *532.26* | |
| | | *For Extra Heavy Weight Fittings, Add* | *798.40* | |

## 23 21 13 23-0868 Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0859)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0869 | EA | 2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow | 569.01 | 53.25 |
| | | *For Galvanized Fittings, Add* | *391.39* | |
| | | *For Extra Heavy Weight Fittings, Add* | *587.09* | |
| 23 21 13 23-0870 | EA | 3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow | 594.67 | 58.96 |
| | | *For Galvanized Fittings, Add* | *405.02* | |
| | | *For Extra Heavy Weight Fittings, Add* | *607.54* | |
| 23 21 13 23-0871 | EA | 4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow | 736.75 | 66.83 |
| | | *For Galvanized Fittings, Add* | *509.20* | |
| | | *For Extra Heavy Weight Fittings, Add* | *763.80* | |
| 23 21 13 23-0872 | EA | 5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow | 905.07 | 71.15 |
| | | *For Galvanized Fittings, Add* | *638.69* | |
| | | *For Extra Heavy Weight Fittings, Add* | *958.03* | |
| 23 21 13 23-0873 | EA | 6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow | 1,031.85 | 82.68 |
| | | *For Galvanized Fittings, Add* | *726.31* | |
| | | *For Extra Heavy Weight Fittings, Add* | *1,089.47* | |
| 23 21 13 23-0874 | EA | 8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow | 1,429.19 | 98.52 |
| | | *For Galvanized Fittings, Add* | *1,025.21* | |
| | | *For Extra Heavy Weight Fittings, Add* | *1,537.81* | |

## 23 21 13 23-0875 Flanged Steel, 45 Degree Elbows *(23 21 13 23-0859)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0876 | EA | 2" Standard Weight, Flanged Steel, 45 Degree Elbow | 405.27 | 50.33 |
| | | *For Galvanized Fittings, Add* | *263.85* | |
| | | *For Extra Heavy Weight Fittings, Add* | *395.77* | |
| 23 21 13 23-0877 | EA | 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow | 424.84 | 56.06 |
| | | *For Galvanized Fittings, Add* | *272.61* | |
| | | *For Extra Heavy Weight Fittings, Add* | *408.91* | |
| 23 21 13 23-0878 | EA | 3" Standard Weight, Flanged Steel, 45 Degree Elbow | 443.20 | 61.87 |
| | | *For Galvanized Fittings, Add* | *280.40* | |
| | | *For Extra Heavy Weight Fittings, Add* | *420.60* | |
| 23 21 13 23-0879 | EA | 4" Standard Weight, Flanged Steel, 45 Degree Elbow | 549.56 | 71.90 |
| | | *For Galvanized Fittings, Add* | *353.42* | |
| | | *For Extra Heavy Weight Fittings, Add* | *530.12* | |
| 23 21 13 23-0880 | EA | 5" Standard Weight, Flanged Steel, 45 Degree Elbow | 779.12 | 80.52 |
| | | *For Galvanized Fittings, Add* | *526.72* | |
| | | *For Extra Heavy Weight Fittings, Add* | *790.08* | |
| 23 21 13 23-0881 | EA | 6" Standard Weight, Flanged Steel, 45 Degree Elbow | 768.10 | 93.46 |
| | | *For Galvanized Fittings, Add* | *502.38* | |
| | | *For Extra Heavy Weight Fittings, Add* | *753.58* | |
| 23 21 13 23-0882 | EA | 8" Standard Weight, Flanged Steel, 45 Degree Elbow | 902.02 | 103.48 |
| | | *For Galvanized Fittings, Add* | *597.44* | |
| | | *For Extra Heavy Weight Fittings, Add* | *896.16* | |

## 23 21 13 23-0883 Flanged Steel, Tees *(23 21 13 23-0859)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0884 | EA | 2" Standard Weight, Flanged Steel, Tee | 413.78 | 75.46 |
| | | *For Galvanized Fittings, Add* | *240.48* | |
| | | *For Extra Heavy Weight Fittings, Add* | *360.72* | |
| 23 21 13 23-0885 | EA | 2-1/2" Standard Weight, Flanged Steel, Tee | 526.51 | 84.08 |
| | | *For Galvanized Fittings, Add* | *320.32* | |
| | | *For Extra Heavy Weight Fittings, Add* | *480.48* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0886 | EA | 3" Standard Weight, Flanged Steel, Tee | 489.56 | 92.70 |
| | | *For Galvanized Fittings, Add* | *280.41* | |
| | | *For Extra Heavy Weight Fittings, Add* | *420.61* | |
| 23 21 13 23-0887 | EA | 4" Standard Weight, Flanged Steel, Tee | 684.98 | 107.90 |
| | | *For Galvanized Fittings, Add* | *418.64* | |
| | | *For Extra Heavy Weight Fittings, Add* | *627.96* | |
| 23 21 13 23-0888 | EA | 5" Standard Weight, Flanged Steel, Tee | 994.50 | 120.83 |
| | | *For Galvanized Fittings, Add* | *650.73* | |
| | | *For Extra Heavy Weight Fittings, Add* | *976.09* | |
| 23 21 13 23-0889 | EA | 6" Standard Weight, Flanged Steel, Tee | 1,209.50 | 140.24 |
| | | *For Galvanized Fittings, Add* | *799.46* | |
| | | *For Extra Heavy Weight Fittings, Add* | *1,199.18* | |
| 23 21 13 23-0890 | EA | 8" Standard Weight, Flanged Steel, Tee | 1,343.43 | 162.44 |
| | | *For Galvanized Fittings, Add* | *879.86* | |
| | | *For Extra Heavy Weight Fittings, Add* | *1,319.80* | |

## 23 21 13 23-0891 Flanged Steel, Reducing Tees *(23 21 13 23-0859)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0892 | EA | 2-1/2" Standard Weight, Flanged Steel, Reducing Tee | 631.73 | 81.28 |
| | | *For Galvanized Fittings, Add* | *407.94* | |
| | | *For Extra Heavy Weight Fittings, Add* | *611.92* | |
| 23 21 13 23-0893 | EA | 3" Standard Weight, Flanged Steel, Reducing Tee | 727.42 | 89.90 |
| | | *For Galvanized Fittings, Add* | *474.14* | |
| | | *For Extra Heavy Weight Fittings, Add* | *711.22* | |
| 23 21 13 23-0894 | EA | 4" Standard Weight, Flanged Steel, Reducing Tee | 1,221.38 | 102.83 |
| | | *For Galvanized Fittings, Add* | *853.79* | |
| | | *For Extra Heavy Weight Fittings, Add* | *1,280.69* | |
| 23 21 13 23-0895 | EA | 5" Standard Weight, Flanged Steel, Reducing Tee | 1,323.33 | 116.52 |
| | | *For Galvanized Fittings, Add* | *918.97* | |
| | | *For Extra Heavy Weight Fittings, Add* | *1,378.45* | |
| 23 21 13 23-0896 | EA | 6" Standard Weight, Flanged Steel, Reducing Tee | 1,656.07 | 133.77 |
| | | *For Galvanized Fittings, Add* | *1,164.46* | |
| | | *For Extra Heavy Weight Fittings, Add* | *1,746.70* | |
| 23 21 13 23-0897 | EA | 8" Standard Weight, Flanged Steel, Reducing Tee | 2,058.09 | 150.26 |
| | | *For Galvanized Fittings, Add* | *1,466.25* | |
| | | *For Extra Heavy Weight Fittings, Add* | *2,199.37* | |

## 23 21 13 23-0898 Flanged Steel, Concentric Reducers *(23 21 13 23-0859)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0899 | EA | 3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer | 587.36 | 58.96 |
| | | *For Galvanized Fittings, Add* | *399.18* | |
| | | *For Extra Heavy Weight Fittings, Add* | *598.76* | |
| 23 21 13 23-0900 | EA | 4" x 3" Standard Weight, Flanged Steel, Concentric Reducer | 667.38 | 66.83 |
| | | *For Galvanized Fittings, Add* | *453.70* | |
| | | *For Extra Heavy Weight Fittings, Add* | *680.56* | |
| 23 21 13 23-0901 | EA | 5" x 4" Standard Weight, Flanged Steel, Concentric Reducer | 977.12 | 76.21 |
| | | *For Galvanized Fittings, Add* | *690.29* | |
| | | *For Extra Heavy Weight Fittings, Add* | *1,035.43* | |
| 23 21 13 23-0902 | EA | 6" x 4" Standard Weight, Flanged Steel, Concentric Reducer | 1,076.88 | 82.68 |
| | | *For Galvanized Fittings, Add* | *762.34* | |
| | | *For Extra Heavy Weight Fittings, Add* | *1,143.50* | |
| 23 21 13 23-0903 | EA | 8" x 6" Standard Weight, Flanged Steel, Concentric Reducer | 1,262.46 | 98.52 |
| | | *For Galvanized Fittings, Add* | *891.82* | |
| | | *For Extra Heavy Weight Fittings, Add* | *1,337.74* | |

## 23 21 13 23-0904 Flanged Steel, Eccentric Reducers *(23 21 13 23-0859)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0905 | EA | 4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer | 636.71 | 66.83 |
| | | *For Galvanized Fittings, Add* | *429.17* | |
| | | *For Extra Heavy Weight Fittings, Add* | *643.75* | |
| 23 21 13 23-0906 | EA | 5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer | 857.12 | 76.21 |
| | | *For Galvanized Fittings, Add* | *594.29* | |
| | | *For Extra Heavy Weight Fittings, Add* | *891.43* | |

## 23 21 13 23-0907 Plain End Couplings And Fittings *(23 21 13 23)*

Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.

## 23 21 13 23-0908 Plain End Piping System Couplings *(23 21 13 23-0907)*

## 23 21 13 23-0909 Plainlock Plain End Piping System Couplings *(23 21 13 23-0908)*

Note: Ductile iron body with gasket, bolts and nuts.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0910 | EA | 1" Plainlock Plain End Piping System Coupling | 150.66 | 6.47 |
| | | *For Galvanized Fittings, Add* | *28.19* | |
| 23 21 13 23-0911 | EA | 1-1/2" Plainlock Plain End Piping System Coupling | 154.43 | 8.94 |
| | | *For Galvanized Fittings, Add* | *28.19* | |
| 23 21 13 23-0912 | EA | 2" Plainlock Plain End Piping System Coupling | 158.80 | 11.86 |
| | | *For Galvanized Fittings, Add* | *28.19* | |
| 23 21 13 23-0913 | EA | 2-1/2" Plainlock Plain End Piping System Coupling | 162.52 | 14.33 |
| | | *For Galvanized Fittings, Add* | *28.19* | |
| 23 21 13 23-0914 | EA | 3" Plainlock Plain End Piping System Coupling | 192.22 | 17.24 |
| | | *For Galvanized Fittings, Add* | *33.27* | |
| 23 21 13 23-0915 | EA | 4" Plainlock Plain End Piping System Coupling | 264.96 | 22.96 |
| | | *For Galvanized Fittings, Add* | *46.09* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0916 | EA | 6" Plainlock Plain End Piping System Coupling | 445.23 | 37.40 |
| | | *For Galvanized Fittings, Add* | *77.84* | |

## 23 21 13 23-0917 Roust-A-Bout Plain End Piping System Couplings *(23 21 13 23-0908)*

Note: Ductile iron body with gasket, bolts and nuts.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0918 | EA | 1-1/2" Roust-A-Bout Plain End Piping System Coupling | 181.80 | 8.94 |
| | | *For Galvanized Fittings, Add* | *42.08* | |
| 23 21 13 23-0919 | EA | 2" Roust-A-Bout Plain End Piping System Coupling | 186.17 | 11.86 |
| | | *For Galvanized Fittings, Add* | *42.08* | |
| 23 21 13 23-0920 | EA | 2-1/2" Roust-A-Bout Plain End Piping System Coupling | 189.90 | 14.44 |
| | | *For Galvanized Fittings, Add* | *42.08* | |
| 23 21 13 23-0921 | EA | 3" Roust-A-Bout Plain End Piping System Coupling | 275.20 | 17.24 |
| | | *For Galvanized Fittings, Add* | *62.34* | |
| 23 21 13 23-0922 | EA | 3-1/2" Roust-A-Bout Plain End Piping System Coupling | 318.76 | 20.16 |
| | | *For Galvanized Fittings, Add* | *72.14* | |
| 23 21 13 23-0923 | EA | 4" Roust-A-Bout Plain End Piping System Coupling | 323.03 | 22.96 |
| | | *For Galvanized Fittings, Add* | *72.14* | |
| 23 21 13 23-0924 | EA | 5" Roust-A-Bout Plain End Piping System Coupling | 455.39 | 28.78 |
| | | *For Galvanized Fittings, Add* | *103.06* | |
| 23 21 13 23-0925 | EA | 6" Roust-A-Bout Plain End Piping System Coupling | 559.56 | 37.40 |
| | | *For Galvanized Fittings, Add* | *125.87* | |
| 23 21 13 23-0926 | EA | 8" Roust-A-Bout Plain End Piping System Coupling | 959.67 | 44.62 |
| | | *For Galvanized Fittings, Add* | *223.20* | |
| 23 21 13 23-0927 | EA | 10" Roust-A-Bout Plain End Piping System Coupling | 1,240.74 | 52.82 |
| | | *For Galvanized Fittings, Add* | *290.37* | |
| 23 21 13 23-0928 | EA | 12" Roust-A-Bout Plain End Piping System Coupling | 1,551.23 | 62.52 |
| | | *For Galvanized Fittings, Add* | *364.36* | |
| 23 21 13 23-0929 | EA | 14" Roust-A-Bout Plain End Piping System Coupling | 2,173.22 | 69.09 |
| | | *For Galvanized Fittings, Add* | *517.40* | |
| 23 21 13 23-0930 | EA | 16" Roust-A-Bout Plain End Piping System Coupling | 2,951.30 | 78.15 |
| | | *For Galvanized Fittings, Add* | *708.53* | |

## 23 21 13 23-0931 Plain End Piping System Fittings *(23 21 13 23-0907)*

Note: Cast ductile iron bodies.

## 23 21 13 23-0932 Plain End Piping System, 90 Degree Elbows *(23 21 13 23-0931)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0933 | EA | 1" Plain End Piping System, 90 Degree Elbow | 150.68 | 11.75 |
| | | *For Galvanized Fittings, Add* | *26.61* | |
| 23 21 13 23-0934 | EA | 1-1/2" Plain End Piping System, 90 Degree Elbow | 159.74 | 17.79 |
| | | *For Galvanized Fittings, Add* | *26.61* | |
| 23 21 13 23-0935 | EA | 2" Plain End Piping System, 90 Degree Elbow | 168.29 | 23.50 |
| | | *For Galvanized Fittings, Add* | *26.61* | |
| 23 21 13 23-0936 | EA | 2-1/2" Plain End Piping System, 90 Degree Elbow | 175.97 | 28.67 |
| | | *For Galvanized Fittings, Add* | *26.61* | |
| 23 21 13 23-0937 | EA | 3" Plain End Piping System, 90 Degree Elbow | 211.84 | 34.71 |
| | | *For Galvanized Fittings, Add* | *31.96* | |
| 23 21 13 23-0938 | EA | 4" Plain End Piping System, 90 Degree Elbow | 301.63 | 45.70 |
| | | *For Galvanized Fittings, Add* | *46.61* | |
| 23 21 13 23-0939 | EA | 5" Plain End Piping System, 90 Degree Elbow | 892.54 | 57.23 |
| | | *For Galvanized Fittings, Add* | *161.34* | |
| 23 21 13 23-0940 | EA | 6" Plain End Piping System, 90 Degree Elbow | 753.76 | 74.91 |
| | | *For Galvanized Fittings, Add* | *128.30* | |
| 23 21 13 23-0941 | EA | 8" Plain End Piping System, 90 Degree Elbow | 1,488.26 | 88.92 |
| | | *For Galvanized Fittings, Add* | *270.97* | |
| 23 21 13 23-0942 | EA | 10" Plain End Piping System, 90 Degree Elbow | 1,858.61 | 103.91 |
| | | *For Galvanized Fittings, Add* | *340.57* | |
| 23 21 13 23-0943 | EA | 12" Plain End Piping System, 90 Degree Elbow | 2,355.25 | 124.82 |
| | | *For Galvanized Fittings, Add* | *433.62* | |

## 23 21 13 23-0944 Plain End Piping System, 45 Degree Elbows *(23 21 13 23-0931)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0945 | EA | 1" Plain End Piping System, 45 Degree Elbow | 150.68 | 11.75 |
| | | *For Galvanized Fittings, Add* | *26.61* | |
| 23 21 13 23-0946 | EA | 1-1/2" Plain End Piping System, 45 Degree Elbow | 159.74 | 17.79 |
| | | *For Galvanized Fittings, Add* | *26.61* | |
| 23 21 13 23-0947 | EA | 2" Plain End Piping System, 45 Degree Elbow | 168.29 | 23.50 |
| | | *For Galvanized Fittings, Add* | *26.61* | |
| 23 21 13 23-0948 | EA | 2-1/2" Plain End Piping System, 45 Degree Elbow | 175.97 | 28.67 |
| | | *For Galvanized Fittings, Add* | *26.61* | |
| 23 21 13 23-0949 | EA | 3" Plain End Piping System, 45 Degree Elbow | 211.84 | 34.71 |
| | | *For Galvanized Fittings, Add* | *31.96* | |
| 23 21 13 23-0950 | EA | 4" Plain End Piping System, 45 Degree Elbow | 301.63 | 45.70 |
| | | *For Galvanized Fittings, Add* | *46.61* | |
| 23 21 13 23-0951 | EA | 5" Plain End Piping System, 45 Degree Elbow | 892.54 | 57.23 |
| | | *For Galvanized Fittings, Add* | *161.34* | |
| 23 21 13 23-0952 | EA | 6" Plain End Piping System, 45 Degree Elbow | 756.23 | 74.91 |
| | | *For Galvanized Fittings, Add* | *128.79* | |
| 23 21 13 23-0953 | EA | 8" Plain End Piping System, 45 Degree Elbow | 877.86 | 88.92 |
| | | *For Galvanized Fittings, Add* | *148.89* | |
| 23 21 13 23-0954 | EA | 10" Plain End Piping System, 45 Degree Elbow | 1,194.69 | 103.91 |
| | | *For Galvanized Fittings, Add* | *207.78* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0955 | EA | 12" Plain End Piping System, 45 Degree Elbow | 1,529.29 | 124.82 |
| | | *For Galvanized Fittings, Add* | *268.43* | |

## 23 21 13 23-0956 Plain End Piping System, Tees *(23 21 13 23-0931)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0957 | EA | 1" Plain End Piping System, Tee | 205.86 | 17.79 |
| | | *For Galvanized Fittings, Add* | *35.84* | |
| 23 21 13 23-0958 | EA | 1-1/2" Plain End Piping System, Tee | 219.22 | 26.73 |
| | | *For Galvanized Fittings, Add* | *35.84* | |
| 23 21 13 23-0959 | EA | 2" Plain End Piping System, Tee | 231.01 | 34.60 |
| | | *For Galvanized Fittings, Add* | *35.84* | |
| 23 21 13 23-0960 | EA | 2-1/2" Plain End Piping System, Tee | 242.74 | 42.37 |
| | | *For Galvanized Fittings, Add* | *35.84* | |
| 23 21 13 23-0961 | EA | 3" Plain End Piping System, Tee | 335.96 | 52.07 |
| | | *For Galvanized Fittings, Add* | *51.57* | |
| 23 21 13 23-0962 | EA | 4" Plain End Piping System, Tee | 459.53 | 67.37 |
| | | *For Galvanized Fittings, Add* | *71.72* | |
| 23 21 13 23-0963 | EA | 5" Plain End Piping System, Tee | 919.83 | 88.07 |
| | | *For Galvanized Fittings, Add* | *157.55* | |
| 23 21 13 23-0964 | EA | 6" Plain End Piping System, Tee | 1,137.54 | 110.27 |
| | | *For Galvanized Fittings, Add* | *194.44* | |
| 23 21 13 23-0965 | EA | 8" Plain End Piping System, Tee | 1,548.19 | 134.09 |
| | | *For Galvanized Fittings, Add* | *269.42* | |
| 23 21 13 23-0966 | EA | 10" Plain End Piping System, Tee | 2,291.45 | 156.29 |
| | | *For Galvanized Fittings, Add* | *411.42* | |
| 23 21 13 23-0967 | EA | 12" Plain End Piping System, Tee | 3,063.53 | 187.24 |
| | | *For Galvanized Fittings, Add* | *556.57* | |

## 23 21 13 23-0968 Plain End Piping System, Reducing Tees *(23 21 13 23-0931)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0969 | EA | 1-1/2" Plain End Piping System, Reducing Tee | 397.12 | 28.67 |
| | | *For Galvanized Fittings, Add* | *70.83* | |
| 23 21 13 23-0970 | EA | 2" Plain End Piping System, Reducing Tee | 405.99 | 34.60 |
| | | *For Galvanized Fittings, Add* | *70.83* | |
| 23 21 13 23-0971 | EA | 2-1/2" Plain End Piping System, Reducing Tee | 417.72 | 42.37 |
| | | *For Galvanized Fittings, Add* | *70.83* | |
| 23 21 13 23-0972 | EA | 3" Plain End Piping System, Reducing Tee | 432.27 | 52.07 |
| | | *For Galvanized Fittings, Add* | *70.83* | |
| 23 21 13 23-0973 | EA | 4" Plain End Piping System, Reducing Tee | 623.78 | 67.37 |
| | | *For Galvanized Fittings, Add* | *104.57* | |
| 23 21 13 23-0974 | EA | 6" Plain End Piping System, Reducing Tee | 1,053.19 | 110.27 |
| | | *For Galvanized Fittings, Add* | *177.57* | |
| 23 21 13 23-0975 | EA | 8" Plain End Piping System, Reducing Tee | 1,370.37 | 134.09 |
| | | *For Galvanized Fittings, Add* | *233.85* | |
| 23 21 13 23-0976 | EA | 10" Plain End Piping System, Reducing Tee | 2,036.93 | 156.29 |
| | | *For Galvanized Fittings, Add* | *360.52* | |
| 23 21 13 23-0977 | EA | 12" Plain End Piping System, Reducing Tee | 2,990.70 | 187.24 |
| | | *For Galvanized Fittings, Add* | *542.00* | |

## 23 21 13 23-0978 Plain End Piping System, Wyes *(23 21 13 23-0931)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0979 | EA | 2" Plain End Piping System, Wye | 576.65 | 34.60 |
| | | *For Galvanized Fittings, Add* | *104.96* | |
| 23 21 13 23-0980 | EA | 2-1/2" Plain End Piping System, Wye | 588.38 | 42.37 |
| | | *For Galvanized Fittings, Add* | *104.96* | |
| 23 21 13 23-0981 | EA | 3" Plain End Piping System, Wye | 668.04 | 52.07 |
| | | *For Galvanized Fittings, Add* | *117.99* | |
| 23 21 13 23-0982 | EA | 4" Plain End Piping System, Wye | 976.58 | 67.37 |
| | | *For Galvanized Fittings, Add* | *175.13* | |
| 23 21 13 23-0983 | EA | 5" Plain End Piping System, Wye | 1,197.66 | 88.07 |
| | | *For Galvanized Fittings, Add* | *213.11* | |
| 23 21 13 23-0984 | EA | 6" Plain End Piping System, Wye | 1,632.64 | 110.27 |
| | | *For Galvanized Fittings, Add* | *293.46* | |
| 23 21 13 23-0985 | EA | 8" Plain End Piping System, Wye | 2,101.38 | 134.09 |
| | | *For Galvanized Fittings, Add* | *380.05* | |
| 23 21 13 23-0986 | EA | 10" Plain End Piping System, Wye | 3,036.52 | 156.29 |
| | | *For Galvanized Fittings, Add* | *560.44* | |
| 23 21 13 23-0987 | EA | 12" Plain End Piping System, Wye | 4,600.51 | 187.24 |
| | | *For Galvanized Fittings, Add* | *863.96* | |

## 23 21 13 23-0988 Plain End Piping System, Laterals *(23 21 13 23-0931)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0989 | EA | 2" Plain End Piping System, Lateral | 613.77 | 34.60 |
| | | *For Galvanized Fittings, Add* | *112.39* | |
| 23 21 13 23-0990 | EA | 2-1/2" Plain End Piping System, Lateral | 625.50 | 42.37 |
| | | *For Galvanized Fittings, Add* | *112.39* | |
| 23 21 13 23-0991 | EA | 3" Plain End Piping System, Lateral | 704.92 | 52.07 |
| | | *For Galvanized Fittings, Add* | *125.36* | |
| 23 21 13 23-0992 | EA | 4" Plain End Piping System, Lateral | 1,046.99 | 67.37 |
| | | *For Galvanized Fittings, Add* | *189.21* | |
| 23 21 13 23-0993 | EA | 5" Plain End Piping System, Lateral | 1,365.36 | 88.07 |
| | | *For Galvanized Fittings, Add* | *246.65* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-0994 | EA | 6" Plain End Piping System, Lateral | 1,740.54 | 110.27 |
| | | *For Galvanized Fittings, Add* | *315.04* | |
| 23 21 13 23-0995 | EA | 8" Plain End Piping System, Lateral | 2,497.71 | 134.09 |
| | | *For Galvanized Fittings, Add* | *459.32* | |
| 23 21 13 23-0996 | EA | 10" Plain End Piping System, Lateral | 3,476.26 | 156.29 |
| | | *For Galvanized Fittings, Add* | *648.39* | |
| 23 21 13 23-0997 | EA | 12" Plain End Piping System, Lateral | 4,665.87 | 187.24 |
| | | *For Galvanized Fittings, Add* | *877.03* | |

## 23 21 13 23-0998 Plain End Piping System, Crosses *(23 21 13 23-0931)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-0999 | EA | 2" Plain End Piping System, Cross | 687.82 | 51.85 |
| | | *For Galvanized Fittings, Add* | *76.27* | |
| 23 21 13 23-1000 | EA | 2-1/2" Plain End Piping System, Cross | 705.38 | 63.49 |
| | | *For Galvanized Fittings, Add* | *76.27* | |
| 23 21 13 23-1001 | EA | 3" Plain End Piping System, Cross | 824.87 | 78.15 |
| | | *For Galvanized Fittings, Add* | *88.46* | |
| 23 21 13 23-1002 | EA | 4" Plain End Piping System, Cross | 1,123.61 | 101.00 |
| | | *For Galvanized Fittings, Add* | *121.53* | |
| 23 21 13 23-1003 | EA | 5" Plain End Piping System, Cross | 1,579.01 | 132.15 |
| | | *For Galvanized Fittings, Add* | *172.61* | |
| 23 21 13 23-1004 | EA | 6" Plain End Piping System, Cross | 2,070.55 | 164.92 |
| | | *For Galvanized Fittings, Add* | *227.92* | |
| 23 21 13 23-1005 | EA | 8" Plain End Piping System, Cross | 2,638.56 | 199.74 |
| | | *For Galvanized Fittings, Add* | *292.39* | |
| 23 21 13 23-1006 | EA | 10" Plain End Piping System, Cross | 3,762.93 | 233.47 |
| | | *For Galvanized Fittings, Add* | *426.62* | |
| 23 21 13 23-1007 | EA | 12" Plain End Piping System, Cross | 5,342.28 | 280.90 |
| | | *For Galvanized Fittings, Add* | *615.15* | |

## 23 21 13 23-1008 Plain End Piping System, Adapter Nipples *(23 21 13 23-0931)*

Note: Plain to threaded, plain to beveled or plain to grooved.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1009 | EA | 1" Plain End Piping System, Adapter Nipple | 55.95 | 6.47 |
| | | *For Galvanized Fittings, Add* | *11.56* | |
| 23 21 13 23-1010 | EA | 1-1/2" Plain End Piping System, Adapter Nipple | 61.00 | 8.94 |
| | | *For Galvanized Fittings, Add* | *11.88* | |
| 23 21 13 23-1011 | EA | 2" Plain End Piping System, Adapter Nipple | 65.25 | 11.86 |
| | | *For Galvanized Fittings, Add* | *11.88* | |
| 23 21 13 23-1012 | EA | 2-1/2" Plain End Piping System, Adapter Nipple | 77.24 | 14.33 |
| | | *For Galvanized Fittings, Add* | *13.92* | |
| 23 21 13 23-1013 | EA | 3" Plain End Piping System, Adapter Nipple | 94.67 | 17.24 |
| | | *For Galvanized Fittings, Add* | *17.20* | |
| 23 21 13 23-1014 | EA | 4" Plain End Piping System, Adapter Nipple | 149.54 | 22.96 |
| | | *For Galvanized Fittings, Add* | *28.76* | |
| 23 21 13 23-1015 | EA | 6" Plain End Piping System, Adapter Nipple | 354.24 | 28.78 |
| | | *For Galvanized Fittings, Add* | *77.78* | |

## 23 21 13 23-1016 Plain End Piping System, Reducing (Swaged) Nipples *(23 21 13 23-0931)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1017 | EA | 1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple | 178.61 | 15.41 |
| | | *For Galvanized Fittings, Add* | *38.86* | |
| 23 21 13 23-1018 | EA | 2" x 1" Plain End Piping System, Reducing (Swaged) Nipple | 182.94 | 18.32 |
| | | *For Galvanized Fittings, Add* | *38.86* | |
| 23 21 13 23-1019 | EA | 2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple | 187.29 | 21.23 |
| | | *For Galvanized Fittings, Add* | *38.86* | |
| 23 21 13 23-1020 | EA | 2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple | 186.23 | 20.59 |
| | | *For Galvanized Fittings, Add* | *38.86* | |
| 23 21 13 23-1021 | EA | 2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple | 190.48 | 23.39 |
| | | *For Galvanized Fittings, Add* | *38.86* | |
| 23 21 13 23-1022 | EA | 2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple | 194.77 | 26.19 |
| | | *For Galvanized Fittings, Add* | *38.86* | |
| 23 21 13 23-1023 | EA | 3" x 1" Plain End Piping System, Reducing (Swaged) Nipple | 224.81 | 23.71 |
| | | *For Galvanized Fittings, Add* | *47.33* | |
| 23 21 13 23-1024 | EA | 3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple | 228.63 | 26.19 |
| | | *For Galvanized Fittings, Add* | *47.33* | |
| 23 21 13 23-1025 | EA | 3" x 2" Plain End Piping System, Reducing (Swaged) Nipple | 189.28 | 29.10 |
| | | *For Galvanized Fittings, Add* | *36.40* | |
| 23 21 13 23-1026 | EA | 3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple | 197.63 | 34.71 |
| | | *For Galvanized Fittings, Add* | *36.40* | |
| 23 21 13 23-1027 | EA | 3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple | 230.13 | 37.40 |
| | | *For Galvanized Fittings, Add* | *43.53* | |
| 23 21 13 23-1028 | EA | 4" x 1" Plain End Piping System, Reducing (Swaged) Nipple | 310.38 | 29.42 |
| | | *For Galvanized Fittings, Add* | *66.55* | |
| 23 21 13 23-1029 | EA | 4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple | 314.15 | 32.01 |
| | | *For Galvanized Fittings, Add* | *66.55* | |
| 23 21 13 23-1030 | EA | 4" x 2" Plain End Piping System, Reducing (Swaged) Nipple | 253.90 | 34.92 |
| | | *For Galvanized Fittings, Add* | *50.39* | |
| 23 21 13 23-1031 | EA | 4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple | 257.60 | 37.40 |
| | | *For Galvanized Fittings, Add* | *50.39* | |
| 23 21 13 23-1032 | EA | 4" x 3" Plain End Piping System, Reducing (Swaged) Nipple | 261.99 | 40.31 |
| | | *For Galvanized Fittings, Add* | *50.39* | |
| 23 21 13 23-1033 | EA | 4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple | 266.19 | 43.11 |
| | | *For Galvanized Fittings, Add* | *50.39* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1034 | EA | 5" x 2" Plain End Piping System, Reducing (Swaged) Nipple | 802.25 | 40.63 |
| | | *For Galvanized Fittings, Add* | *185.32* | |
| 23 21 13 23-1035 | EA | 5" x 3" Plain End Piping System, Reducing (Swaged) Nipple | 641.08 | 45.92 |
| | | *For Galvanized Fittings, Add* | *143.04* | |
| 23 21 13 23-1036 | EA | 5" x 4" Plain End Piping System, Reducing (Swaged) Nipple | 548.49 | 51.85 |
| | | *For Galvanized Fittings, Add* | *117.71* | |
| 23 21 13 23-1037 | EA | 6" x 1" Plain End Piping System, Reducing (Swaged) Nipple | 1,478.17 | 43.87 |
| | | *For Galvanized Fittings, Add* | *353.11* | |
| 23 21 13 23-1038 | EA | 6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple | 1,481.89 | 46.35 |
| | | *For Galvanized Fittings, Add* | *353.11* | |
| 23 21 13 23-1039 | EA | 6" x 2" Plain End Piping System, Reducing (Swaged) Nipple | 1,118.50 | 49.26 |
| | | *For Galvanized Fittings, Add* | *261.17* | |
| 23 21 13 23-1040 | EA | 6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple | 1,122.34 | 51.85 |
| | | *For Galvanized Fittings, Add* | *261.17* | |
| 23 21 13 23-1041 | EA | 6" x 3" Plain End Piping System, Reducing (Swaged) Nipple | 758.94 | 54.65 |
| | | *For Galvanized Fittings, Add* | *169.26* | |
| 23 21 13 23-1042 | EA | 6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple | 762.86 | 57.23 |
| | | *For Galvanized Fittings, Add* | *169.26* | |
| 23 21 13 23-1043 | EA | 6" x 4" Plain End Piping System, Reducing (Swaged) Nipple | 603.89 | 60.37 |
| | | *For Galvanized Fittings, Add* | *128.37* | |
| 23 21 13 23-1044 | EA | 6" x 5" Plain End Piping System, Reducing (Swaged) Nipple | 687.80 | 66.08 |
| | | *For Galvanized Fittings, Add* | *147.18* | |
| 23 21 13 23-1045 | EA | 8" x 3" Plain End Piping System, Reducing (Swaged) Nipple | 909.11 | 61.77 |
| | | *For Galvanized Fittings, Add* | *204.13* | |
| 23 21 13 23-1046 | EA | 8" x 4" Plain End Piping System, Reducing (Swaged) Nipple | 917.81 | 67.59 |
| | | *For Galvanized Fittings, Add* | *204.13* | |
| 23 21 13 23-1047 | EA | 8" x 5" Plain End Piping System, Reducing (Swaged) Nipple | 1,038.87 | 73.40 |
| | | *For Galvanized Fittings, Add* | *232.22* | |
| 23 21 13 23-1048 | EA | 8" x 6" Plain End Piping System, Reducing (Swaged) Nipple | 1,164.26 | 82.02 |
| | | *For Galvanized Fittings, Add* | *260.30* | |

## 23 21 13 23-1049 Plain End Piping System, Bull Plugs *(23 21 13 23-0931)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1050 | EA | 1" Plain End Piping System, Bull Plug | 298.99 | 6.47 |
| | | *For Galvanized Fittings, Add* | *86.79* | |
| 23 21 13 23-1051 | EA | 1-1/2" Plain End Piping System, Bull Plug | 302.77 | 8.94 |
| | | *For Galvanized Fittings, Add* | *86.79* | |
| 23 21 13 23-1052 | EA | 2" Plain End Piping System, Bull Plug | 307.02 | 11.86 |
| | | *For Galvanized Fittings, Add* | *86.79* | |
| 23 21 13 23-1053 | EA | 2-1/2" Plain End Piping System, Bull Plug | 310.85 | 14.33 |
| | | *For Galvanized Fittings, Add* | *86.79* | |
| 23 21 13 23-1054 | EA | 3" Plain End Piping System, Bull Plug | 449.95 | 17.24 |
| | | *For Galvanized Fittings, Add* | *127.22* | |
| 23 21 13 23-1055 | EA | 4" Plain End Piping System, Bull Plug | 582.25 | 22.96 |
| | | *For Galvanized Fittings, Add* | *164.33* | |
| 23 21 13 23-1056 | EA | 5" Plain End Piping System, Bull Plug | 1,011.12 | 28.78 |
| | | *For Galvanized Fittings, Add* | *290.40* | |
| 23 21 13 23-1057 | EA | 6" Plain End Piping System, Bull Plug | 1,347.15 | 37.40 |
| | | *For Galvanized Fittings, Add* | *387.33* | |
| 23 21 13 23-1058 | EA | 8" Plain End Piping System, Bull Plug | 2,494.13 | 44.52 |
| | | *For Galvanized Fittings, Add* | *728.19* | |
| 23 21 13 23-1059 | EA | 10" Plain End Piping System, Bull Plug | 4,484.49 | 52.07 |
| | | *For Galvanized Fittings, Add* | *1,321.91* | |
| 23 21 13 23-1060 | EA | 12" Plain End Piping System, Bull Plug | 6,869.99 | 62.52 |
| | | *For Galvanized Fittings, Add* | *2,032.87* | |

## 23 21 13 23-1061 Carbon Steel Piping Systems *(23 21 13 23)*

## 23 21 13 23-1062 Class 3,000 Lb. Carbon Steel Socket Weld Fittings *(23 21 13 23-1061)*

Note: ASTM A105

## 23 21 13 23-1063 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1062)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1064 | EA | 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 40.51 | 21.34 |
| 23 21 13 23-1065 | EA | 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 45.54 | 23.82 |
| 23 21 13 23-1066 | EA | 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 57.98 | 26.62 |
| 23 21 13 23-1067 | EA | 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 78.87 | 30.18 |
| 23 21 13 23-1068 | EA | 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 90.15 | 33.96 |
| 23 21 13 23-1069 | EA | 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 122.29 | 43.22 |
| 23 21 13 23-1070 | EA | 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 241.82 | 63.92 |
| 23 21 13 23-1071 | EA | 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 344.01 | 84.08 |
| 23 21 13 23-1072 | EA | 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 599.66 | 91.31 |

## 23 21 13 23-1073 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1062)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1074 | EA | 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 44.29 | 21.34 |
| 23 21 13 23-1075 | EA | 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 51.26 | 23.82 |
| 23 21 13 23-1076 | EA | 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 59.74 | 26.62 |
| 23 21 13 23-1077 | EA | 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 81.10 | 30.18 |
| 23 21 13 23-1078 | EA | 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 95.48 | 33.96 |
| 23 21 13 23-1079 | EA | 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 122.18 | 43.22 |
| 23 21 13 23-1080 | EA | 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 274.44 | 63.92 |
| 23 21 13 23-1081 | EA | 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 371.61 | 84.08 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1082 | EA | 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB | 587.72 | 91.31 |
| **23 21 13 23-1083** | | **Straight Tees, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)* | | |
| 23 21 13 23-1084 | EA | 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 49.66 | 26.62 |
| 23 21 13 23-1085 | EA | 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 60.13 | 30.72 |
| 23 21 13 23-1086 | EA | 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 79.33 | 36.32 |
| 23 21 13 23-1087 | EA | 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 105.32 | 43.22 |
| 23 21 13 23-1088 | EA | 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 127.58 | 51.52 |
| 23 21 13 23-1089 | EA | 2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 168.85 | 63.92 |
| 23 21 13 23-1090 | EA | 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 301.90 | 84.08 |
| 23 21 13 23-1091 | EA | 3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 413.72 | 99.81 |
| 23 21 13 23-1092 | EA | 4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 793.11 | 115.27 |
| **23 21 13 23-1093** | | **Reducing Tees, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)* | | |
| 23 21 13 23-1094 | EA | 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb. | 50.69 | 26.62 |
| 23 21 13 23-1095 | EA | 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb. | 61.20 | 30.72 |
| 23 21 13 23-1096 | EA | 1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb. | 80.61 | 36.32 |
| 23 21 13 23-1097 | EA | 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb. | 108.35 | 43.22 |
| 23 21 13 23-1098 | EA | 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb. | 131.14 | 51.52 |
| 23 21 13 23-1099 | EA | 2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb. | 174.30 | 63.92 |
| 23 21 13 23-1100 | EA | 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb. | 314.87 | 84.08 |
| 23 21 13 23-1101 | EA | 3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb. | 432.39 | 99.81 |
| 23 21 13 23-1102 | EA | 4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb. | 726.67 | 115.27 |
| **23 21 13 23-1103** | | **Straight Couplings, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)* | | |
| 23 21 13 23-1104 | EA | 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 35.86 | 21.34 |
| 23 21 13 23-1105 | EA | 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 40.39 | 23.82 |
| 23 21 13 23-1106 | EA | 1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 47.03 | 26.62 |
| 23 21 13 23-1107 | EA | 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 54.16 | 30.18 |
| 23 21 13 23-1108 | EA | 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 63.03 | 33.96 |
| 23 21 13 23-1109 | EA | 2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 82.36 | 43.22 |
| 23 21 13 23-1110 | EA | 2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 Lb. | 140.12 | 63.92 |
| 23 21 13 23-1111 | EA | 3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 187.18 | 84.08 |
| 23 21 13 23-1112 | EA | 4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb. | 258.75 | 91.31 |
| **23 21 13 23-1113** | | **Reducing Couplings, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)* | | |
| 23 21 13 23-1114 | EA | 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb | 37.96 | 21.34 |
| 23 21 13 23-1115 | EA | 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb | 42.70 | 23.82 |
| 23 21 13 23-1116 | EA | 1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb | 50.73 | 26.62 |
| 23 21 13 23-1117 | EA | 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb. | 58.63 | 30.18 |
| 23 21 13 23-1118 | EA | 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb. | 69.66 | 33.96 |
| 23 21 13 23-1119 | EA | 2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb | 89.45 | 43.22 |
| 23 21 13 23-1120 | EA | 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb. | 155.73 | 63.92 |
| 23 21 13 23-1121 | EA | 3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb | 218.57 | 84.08 |
| 23 21 13 23-1122 | EA | 4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb | 324.01 | 91.31 |
| **23 21 13 23-1123** | | **Caps, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)* | | |
| 23 21 13 23-1124 | EA | 1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb. | 21.16 | 10.02 |
| 23 21 13 23-1125 | EA | 3/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb. | 24.08 | 10.67 |
| 23 21 13 23-1126 | EA | 1" Cap, Carbon Steel, Socket Weld, 3,000 Lb. | 28.24 | 12.29 |
| 23 21 13 23-1127 | EA | 1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb. | 32.77 | 13.37 |
| 23 21 13 23-1128 | EA | 1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb. | 37.46 | 13.37 |
| 23 21 13 23-1129 | EA | 2" Cap, Carbon Steel, Socket Weld, 3,000 Lb. | 48.59 | 17.13 |
| 23 21 13 23-1130 | EA | 2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb. | 85.72 | 21.34 |
| 23 21 13 23-1131 | EA | 3" Cap, Carbon Steel, Socket Weld, 3,000 Lb. | 123.37 | 25.77 |
| 23 21 13 23-1132 | EA | 4" Cap, Carbon Steel, Socket Weld, 3,000 Lb. | 179.02 | 31.25 |
| **23 21 13 23-1133** | | **Black Cast Iron Square Head Plug** *(23 21 13 23-1062)* | | |
| 23 21 13 23-1134 | EA | 1/2" Square Head Plug, Black, Cast Iron | 14.06 | 8.51 |
| 23 21 13 23-1135 | EA | 3/4" Square Head Plug, Black, Cast Iron | 16.07 | 8.51 |
| 23 21 13 23-1136 | EA | 1" Square Head Plug, Black, Cast Iron | 23.05 | 12.93 |
| 23 21 13 23-1137 | EA | 1-1/4" Square Head Plug, Black, Cast Iron | 23.45 | 12.93 |
| 23 21 13 23-1138 | EA | 1-1/2" Square Head Plug, Black, Cast Iron | 25.11 | 12.93 |
| 23 21 13 23-1139 | EA | 2" Square Head Plug, Black, Cast Iron | 33.27 | 17.13 |
| 23 21 13 23-1140 | EA | 2-1/2" Square Head Plug, Black, Cast Iron | 42.84 | 21.34 |
| 23 21 13 23-1141 | EA | 3" Square Head Plug, Black, Cast Iron | 56.13 | 25.77 |
| 23 21 13 23-1142 | EA | 4" Square Head Plug, Black, Cast Iron | 67.44 | 31.25 |
| **23 21 13 23-1143** | | **Unions, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)* | | |
| 23 21 13 23-1144 | EA | 1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb. | 61.86 | 26.62 |
| 23 21 13 23-1145 | EA | 3/4" Union, Carbon Steel, Socket Weld, 3,000 Lb. | 68.58 | 30.72 |
| 23 21 13 23-1146 | EA | 1" Union, Carbon Steel, Socket Weld, 3,000 Lb. | 87.35 | 36.32 |
| 23 21 13 23-1147 | EA | 1-1/4" Union, Carbon Steel, Socket Weld, 3,000 Lb. | 110.16 | 43.22 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1148 | EA | 1-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb. | 132.70 | 51.52 |
| 23 21 13 23-1149 | EA | 2" Union, Carbon Steel, Socket Weld, 3,000 Lb. | 165.86 | 63.92 |
| 23 21 13 23-1150 | EA | 2-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb. | 283.51 | 69.41 |
| 23 21 13 23-1151 | EA | 3" Union, Carbon Steel, Socket Weld, 3,000 Lb. | 380.30 | 84.08 |
| 23 21 13 23-1152 | | Class 6,000 Lb. Carbon Steel Socket Weld Fittings *(23 21 13 23-1061)* | | |
| | | Note: ASTM A105 | | |
| 23 21 13 23-1153 | | 90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1152)* | | |
| 23 21 13 23-1154 | EA | 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 45.06 | 21.34 |
| 23 21 13 23-1155 | EA | 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 50.75 | 23.82 |
| 23 21 13 23-1156 | EA | 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 67.57 | 26.62 |
| 23 21 13 23-1157 | EA | 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 96.76 | 30.18 |
| 23 21 13 23-1158 | EA | 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 110.96 | 33.96 |
| 23 21 13 23-1159 | EA | 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 152.85 | 43.22 |
| 23 21 13 23-1160 | EA | 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 319.37 | 63.92 |
| 23 21 13 23-1161 | EA | 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 459.76 | 84.08 |
| 23 21 13 23-1162 | EA | 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 845.47 | 91.31 |
| 23 21 13 23-1163 | | 45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1152)* | | |
| 23 21 13 23-1164 | EA | 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 51.28 | 21.34 |
| 23 21 13 23-1165 | EA | 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 60.04 | 23.82 |
| 23 21 13 23-1166 | EA | 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 70.96 | 26.62 |
| 23 21 13 23-1167 | EA | 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 101.42 | 30.18 |
| 23 21 13 23-1168 | EA | 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 120.69 | 33.96 |
| 23 21 13 23-1169 | EA | 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 154.70 | 43.22 |
| 23 21 13 23-1170 | EA | 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 375.58 | 63.92 |
| 23 21 13 23-1171 | EA | 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 510.64 | 84.08 |
| 23 21 13 23-1172 | EA | 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB | 843.01 | 91.31 |
| 23 21 13 23-1173 | | Straight Tees, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1152)* | | |
| 23 21 13 23-1174 | EA | 1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 58.68 | 26.62 |
| 23 21 13 23-1175 | EA | 3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 73.15 | 30.72 |
| 23 21 13 23-1176 | EA | 1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 102.37 | 36.32 |
| 23 21 13 23-1177 | EA | 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 142.90 | 43.22 |
| 23 21 13 23-1178 | EA | 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 174.18 | 51.52 |
| 23 21 13 23-1179 | EA | 2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 236.49 | 63.92 |
| 23 21 13 23-1180 | EA | 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 464.75 | 84.08 |
| 23 21 13 23-1181 | EA | 3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 658.25 | 99.81 |
| 23 21 13 23-1182 | EA | 4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 1,367.59 | 115.27 |
| 23 21 13 23-1183 | | Reducing Tees, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1152)* | | |
| 23 21 13 23-1184 | EA | 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 50.69 | 26.62 |
| 23 21 13 23-1185 | EA | 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 61.20 | 30.72 |
| 23 21 13 23-1186 | EA | 1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 80.61 | 36.32 |
| 23 21 13 23-1187 | EA | 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 108.35 | 43.22 |
| 23 21 13 23-1188 | EA | 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 131.14 | 51.52 |
| 23 21 13 23-1189 | EA | 2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 174.30 | 63.92 |
| 23 21 13 23-1190 | EA | 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 314.87 | 84.08 |
| 23 21 13 23-1191 | EA | 3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 432.39 | 99.81 |
| 23 21 13 23-1192 | EA | 4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 726.67 | 115.27 |
| 23 21 13 23-1193 | | Straight Couplings, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1152)* | | |
| 23 21 13 23-1194 | EA | 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 37.75 | 21.34 |
| 23 21 13 23-1195 | EA | 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 42.63 | 23.82 |
| 23 21 13 23-1196 | EA | 1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 50.47 | 26.62 |
| 23 21 13 23-1197 | EA | 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 58.50 | 30.18 |
| 23 21 13 23-1198 | EA | 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 68.86 | 33.96 |
| 23 21 13 23-1199 | EA | 2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 90.88 | 43.22 |
| 23 21 13 23-1200 | EA | 2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 161.55 | 63.92 |
| 23 21 13 23-1201 | EA | 3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 216.73 | 84.08 |
| 23 21 13 23-1202 | EA | 4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb. | 317.70 | 91.31 |
| 23 21 13 23-1203 | | Reducing Couplings, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1152)* | | |
| 23 21 13 23-1204 | EA | 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 40.85 | 21.34 |
| 23 21 13 23-1205 | EA | 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 46.04 | 23.82 |
| 23 21 13 23-1206 | EA | 1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 55.92 | 26.62 |
| 23 21 13 23-1207 | EA | 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 65.08 | 30.18 |
| 23 21 13 23-1208 | EA | 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 78.63 | 33.96 |
| 23 21 13 23-1209 | EA | 2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 101.31 | 43.22 |
| 23 21 13 23-1210 | EA | 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 184.49 | 63.92 |
| 23 21 13 23-1211 | EA | 3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 262.98 | 84.08 |
| 23 21 13 23-1212 | EA | 4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb. | 413.85 | 91.31 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 21 13 23-1213** | | **Caps, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)* | | |
| 23 21 13 23-1214 | EA | 1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb. | 25.31 | 10.02 |
| 23 21 13 23-1215 | EA | 3/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb. | 29.52 | 10.67 |
| 23 21 13 23-1216 | EA | 1" Cap, Carbon Steel, Socket Weld, 6,000 Lb. | 34.83 | 12.29 |
| 23 21 13 23-1217 | EA | 1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb. | 41.36 | 13.37 |
| 23 21 13 23-1218 | EA | 1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb. | 49.21 | 13.37 |
| 23 21 13 23-1219 | EA | 2" Cap, Carbon Steel, Socket Weld, 6,000 Lb. | 63.92 | 17.13 |
| 23 21 13 23-1220 | EA | 2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb. | 121.82 | 21.34 |
| 23 21 13 23-1221 | EA | 3" Cap, Carbon Steel, Socket Weld, 6,000 Lb. | 180.23 | 25.77 |
| 23 21 13 23-1222 | EA | 4" Cap, Carbon Steel, Socket Weld, 6,000 Lb. | 267.68 | 31.25 |
| **23 21 13 23-1223** | | **Black Cast Iron Square Head Plug** *(23 21 13 23-1152)* | | |
| 23 21 13 23-1224 | EA | 1/2" Square Head Plug, Black Cast Iron | 14.07 | 8.51 |
| 23 21 13 23-1225 | EA | 3/4" Square Head Plug, Black Cast Iron | 16.08 | 8.51 |
| 23 21 13 23-1226 | EA | 1" Square Head Plug, Black Cast Iron | 23.07 | 12.93 |
| 23 21 13 23-1227 | EA | 1-1/4" Square Head Plug, Black Cast Iron | 23.47 | 12.93 |
| 23 21 13 23-1228 | EA | 1-1/2" Square Head Plug, Black Cast Iron | 25.14 | 12.93 |
| 23 21 13 23-1229 | EA | 2" Square Head Plug, Black Cast Iron | 33.31 | 17.13 |
| 23 21 13 23-1230 | EA | 2-1/2" Square Head Plug, Black Cast Iron | 42.89 | 21.34 |
| 23 21 13 23-1231 | EA | 3" Square Head Plug, Black Cast Iron | 56.22 | 25.77 |
| 23 21 13 23-1232 | EA | 4" Square Head Plug, Black Cast Iron | 67.55 | 31.25 |
| **23 21 13 23-1233** | | **Unions, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)* | | |
| 23 21 13 23-1234 | EA | 1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb. | 75.28 | 26.62 |
| 23 21 13 23-1235 | EA | 3/4" Union, Carbon Steel, Socket Weld, 6,000 Lb. | 82.35 | 30.72 |
| 23 21 13 23-1236 | EA | 1" Union, Carbon Steel, Socket Weld, 6,000 Lb. | 107.47 | 36.32 |
| 23 21 13 23-1237 | EA | 1-1/4" Union, Carbon Steel, Socket Weld, 6,000 Lb. | 137.93 | 43.22 |
| 23 21 13 23-1238 | EA | 1-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb. | 166.59 | 51.52 |
| 23 21 13 23-1239 | EA | 2" Union, Carbon Steel, Socket Weld, 6,000 Lb. | 208.70 | 63.92 |
| 23 21 13 23-1240 | EA | 2-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb. | 393.19 | 69.41 |
| 23 21 13 23-1241 | EA | 3" Union, Carbon Steel, Socket Weld, 6,000 Lb. | 535.76 | 84.08 |
| **23 21 13 23-1242** | | **Carbon Steel, Seamless Piping System** *(23 21 13 23-1061)*<br>Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition. | | |
| **23 21 13 23-1243** | | **Schedule 40, Carbon Steel, Seamless Piping** *(23 21 13 23-1242)*<br>Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings. | | |
| 23 21 13 23-1244 | LF | 1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe | 11.06 | 3.99 |
| | | *For Schedule 80, Add* | *1.83* | |
| 23 21 13 23-1245 | LF | 1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe | 11.19 | 4.31 |
| | | *For Schedule 80, Add* | *1.67* | |
| | | *For Schedule 160, Add* | *6.98* | |
| 23 21 13 23-1246 | LF | 3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe | 12.64 | 4.63 |
| | | *For Schedule 80, Add* | *2.05* | |
| | | *For Schedule 160, Add* | *8.54* | |
| 23 21 13 23-1247 | LF | 1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe | 13.39 | 5.07 |
| | | *For Schedule 80, Add* | *2.11* | |
| | | *For Schedule 160, Add* | *8.79* | |
| 23 21 13 23-1248 | LF | 1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe | 18.89 | 6.26 |
| | | *For Schedule 80, Add* | *3.42* | |
| | | *For Schedule 160, Add* | *14.27* | |
| 23 21 13 23-1249 | LF | 2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe | 22.72 | 7.54 |
| | | *For Schedule 80, Add* | *4.10* | |
| | | *For Schedule 160, Add* | *17.07* | |
| **23 21 13 23-1250** | | **90 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1242)* | | |
| 23 21 13 23-1251 | EA | 1/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel | 29.97 | 16.39 |
| 23 21 13 23-1252 | EA | 1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel | 36.17 | 19.19 |
| 23 21 13 23-1253 | EA | 3/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel | 40.40 | 21.46 |
| 23 21 13 23-1254 | EA | 1" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel | 46.30 | 23.93 |
| 23 21 13 23-1255 | EA | 1-1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel | 72.66 | 30.61 |
| 23 21 13 23-1256 | EA | 2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel | 92.07 | 38.91 |
| 23 21 13 23-1257 | EA | 1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 31.69 | 16.39 |
| 23 21 13 23-1258 | EA | 1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 36.81 | 19.19 |
| 23 21 13 23-1259 | EA | 3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 42.53 | 21.46 |
| 23 21 13 23-1260 | EA | 1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 50.94 | 23.93 |
| 23 21 13 23-1261 | EA | 1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 83.72 | 30.61 |
| 23 21 13 23-1262 | EA | 2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 104.29 | 38.91 |
| 23 21 13 23-1263 | EA | 1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 42.83 | 19.19 |
| 23 21 13 23-1264 | EA | 3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 50.11 | 21.46 |
| 23 21 13 23-1265 | EA | 1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 58.90 | 23.93 |
| 23 21 13 23-1266 | EA | 1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 106.10 | 30.61 |
| 23 21 13 23-1267 | EA | 2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 163.65 | 38.91 |
| **23 21 13 23-1268** | | **45 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1242)* | | |
| 23 21 13 23-1269 | EA | 1/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel | 33.59 | 16.39 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1270 | EA | 1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel | 37.55 | 19.19 |
| 23 21 13 23-1271 | EA | 3/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel | 42.20 | 21.46 |
| 23 21 13 23-1272 | EA | 1" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel | 47.67 | 23.93 |
| 23 21 13 23-1273 | EA | 1-1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel | 68.24 | 30.61 |
| 23 21 13 23-1274 | EA | 2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel | 98.88 | 38.91 |
| 23 21 13 23-1275 | EA | 1/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 33.87 | 16.39 |
| 23 21 13 23-1276 | EA | 1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 39.13 | 19.19 |
| 23 21 13 23-1277 | EA | 3/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 44.02 | 21.46 |
| 23 21 13 23-1278 | EA | 1" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 52.40 | 23.93 |
| 23 21 13 23-1279 | EA | 1-1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 82.01 | 30.61 |
| 23 21 13 23-1280 | EA | 2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 108.11 | 38.91 |
| 23 21 13 23-1281 | EA | 1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 46.99 | 19.19 |
| 23 21 13 23-1282 | EA | 3/4" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 57.61 | 21.46 |
| 23 21 13 23-1283 | EA | 1" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 61.72 | 23.93 |
| 23 21 13 23-1284 | EA | 1-1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 122.06 | 30.61 |
| 23 21 13 23-1285 | EA | 2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 164.70 | 38.91 |

### 23 21 13 23-1286 Straight Tees, Screwed Carbon Steel *(23 21 13 23-1242)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1287 | EA | 1/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel | 39.95 | 22.74 |
| 23 21 13 23-1288 | EA | 1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel | 45.54 | 23.93 |
| 23 21 13 23-1289 | EA | 3/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel | 54.56 | 27.70 |
| 23 21 13 23-1290 | EA | 1" Tee, Straight, 2,000 Lb., Screwed Carbon Steel | 66.91 | 32.66 |
| 23 21 13 23-1291 | EA | 1-1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel | 107.23 | 46.35 |
| 23 21 13 23-1292 | EA | 2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel | 132.95 | 57.56 |
| 23 21 13 23-1293 | EA | 1/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel | 41.42 | 22.74 |
| 23 21 13 23-1294 | EA | 1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel | 46.50 | 23.93 |
| 23 21 13 23-1295 | EA | 3/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel | 57.77 | 27.70 |
| 23 21 13 23-1296 | EA | 1" Tee, Straight, 3,000 Lb., Screwed Carbon Steel | 69.65 | 32.66 |
| 23 21 13 23-1297 | EA | 1-1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel | 116.72 | 46.35 |
| 23 21 13 23-1298 | EA | 2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel | 148.65 | 57.56 |
| 23 21 13 23-1299 | EA | 1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel | 53.72 | 23.93 |
| 23 21 13 23-1300 | EA | 3/4" Tee, Straight, 6,000 Lb., Screwed Carbon Steel | 65.53 | 27.70 |
| 23 21 13 23-1301 | EA | 1" Tee, Straight, 6,000 Lb., Screwed Carbon Steel | 88.84 | 32.66 |
| 23 21 13 23-1302 | EA | 1-1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel | 138.52 | 46.35 |
| 23 21 13 23-1303 | EA | 2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel | 218.15 | 57.56 |

### 23 21 13 23-1304 Crosses, Screwed Carbon Steel *(23 21 13 23-1242)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1305 | EA | 1/4" Cross, 2,000 Lb., Screwed Carbon Steel | 59.89 | 28.78 |
| 23 21 13 23-1306 | EA | 1/2" Cross, 2,000 Lb., Screwed Carbon Steel | 70.79 | 32.33 |
| 23 21 13 23-1307 | EA | 3/4" Cross, 2,000 Lb., Screwed Carbon Steel | 76.07 | 34.49 |
| 23 21 13 23-1308 | EA | 1" Cross, 2,000 Lb., Screwed Carbon Steel | 94.12 | 41.61 |
| 23 21 13 23-1309 | EA | 1-1/2" Cross, 2,000 Lb., Screwed Carbon Steel | 163.68 | 58.21 |
| 23 21 13 23-1310 | EA | 2" Cross, 2,000 Lb., Screwed Carbon Steel | 211.30 | 71.90 |
| 23 21 13 23-1311 | EA | 1/2" Cross, 3,000 Lb., Screwed Carbon Steel | 72.60 | 32.33 |
| 23 21 13 23-1312 | EA | 3/4" Cross, 3,000 Lb., Screwed Carbon Steel | 86.45 | 34.49 |
| 23 21 13 23-1313 | EA | 1" Cross, 3,000 Lb., Screwed Carbon Steel | 103.20 | 41.61 |
| 23 21 13 23-1314 | EA | 1-1/2" Cross, 3,000 Lb., Screwed Carbon Steel | 176.78 | 58.21 |
| 23 21 13 23-1315 | EA | 2" Cross, 3,000 Lb., Screwed Carbon Steel | 235.21 | 71.90 |
| 23 21 13 23-1316 | EA | 1/2" Cross, 6,000 Lb., Screwed Carbon Steel | 106.40 | 32.33 |
| 23 21 13 23-1317 | EA | 3/4" Cross, 6,000 Lb., Screwed Carbon Steel | 178.73 | 34.49 |
| 23 21 13 23-1318 | EA | 1" Cross, 6,000 Lb., Screwed Carbon Steel | 245.38 | 41.61 |
| 23 21 13 23-1319 | EA | 1-1/2" Cross, 6,000 Lb., Screwed Carbon Steel | 388.21 | 58.21 |
| 23 21 13 23-1320 | EA | 2" Cross, 6,000 Lb., Screwed Carbon Steel | 425.33 | 71.90 |

### 23 21 13 23-1321 Straight Couplings, Screwed Carbon Steel *(23 21 13 23-1242)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1322 | EA | 1/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel | 27.79 | 16.39 |
| 23 21 13 23-1323 | EA | 1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel | 31.75 | 19.19 |
| 23 21 13 23-1324 | EA | 3/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel | 36.30 | 21.46 |
| 23 21 13 23-1325 | EA | 1" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel | 42.14 | 23.93 |
| 23 21 13 23-1326 | EA | 1-1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel | 61.50 | 30.61 |
| 23 21 13 23-1327 | EA | 2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel | 78.05 | 38.91 |
| 23 21 13 23-1328 | EA | 1/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel | 32.12 | 16.39 |
| 23 21 13 23-1329 | EA | 1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel | 34.49 | 19.19 |
| 23 21 13 23-1330 | EA | 3/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel | 38.40 | 21.46 |
| 23 21 13 23-1331 | EA | 1" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel | 44.95 | 23.93 |
| 23 21 13 23-1332 | EA | 1-1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel | 65.79 | 30.61 |
| 23 21 13 23-1333 | EA | 2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel | 93.71 | 38.91 |

### 23 21 13 23-1334 Reducing Couplings, Screwed Carbon Steel *(23 21 13 23-1242)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1335 | EA | 1/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel | 28.39 | 17.47 |
| 23 21 13 23-1336 | EA | 1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel | 33.17 | 19.19 |
| 23 21 13 23-1337 | EA | 3/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel | 38.47 | 21.46 |
| 23 21 13 23-1338 | EA | 1" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel | 45.15 | 23.93 |
| 23 21 13 23-1339 | EA | 1-1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel | 62.28 | 30.61 |
| 23 21 13 23-1340 | EA | 2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel | 82.27 | 38.91 |
| 23 21 13 23-1341 | EA | 1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel | 88.66 | 19.19 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1342 | EA | 3/4" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel | 92.08 | 21.46 |
| 23 21 13 23-1343 | EA | 1" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel | 107.64 | 23.93 |
| 23 21 13 23-1344 | EA | 1-1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel | 154.71 | 30.61 |
| 23 21 13 23-1345 | EA | 2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel | 222.17 | 38.91 |
| **23 21 13 23-1346** | | **Caps, Screwed Carbon Steel** *(23 21 13 23-1242)* | | |
| 23 21 13 23-1347 | EA | 1/4" Cap, 3,000 Lb., Screwed Carbon Steel | 13.58 | 7.33 |
| 23 21 13 23-1348 | EA | 1/2" Cap, 3,000 Lb., Screwed Carbon Steel | 15.69 | 8.51 |
| 23 21 13 23-1349 | EA | 3/4" Cap, 3,000 Lb., Screwed Carbon Steel | 18.34 | 9.59 |
| 23 21 13 23-1350 | EA | 1" Cap, 3,000 Lb., Screwed Carbon Steel | 22.10 | 10.67 |
| 23 21 13 23-1351 | EA | 1-1/2" Cap, 3,000 Lb., Screwed Carbon Steel | 30.12 | 13.58 |
| 23 21 13 23-1352 | EA | 2" Cap, 3,000 Lb., Screwed Carbon Steel | 40.96 | 17.36 |
| 23 21 13 23-1353 | EA | 1/4" Cap, 6,000 Lb., Screwed Carbon Steel | 18.78 | 7.33 |
| 23 21 13 23-1354 | EA | 1/2" Cap, 6,000 Lb., Screwed Carbon Steel | 19.03 | 8.51 |
| 23 21 13 23-1355 | EA | 3/4" Cap, 6,000 Lb., Screwed Carbon Steel | 23.77 | 9.59 |
| 23 21 13 23-1356 | EA | 1" Cap, 6,000 Lb., Screwed Carbon Steel | 26.07 | 10.67 |
| 23 21 13 23-1357 | EA | 1-1/2" Cap, 6,000 Lb., Screwed Carbon Steel | 46.28 | 13.58 |
| 23 21 13 23-1358 | EA | 2" Cap, 6,000 Lb., Screwed Carbon Steel | 56.70 | 17.36 |
| **23 21 13 23-1359** | | **Nipples, Screwed Carbon Steel** *(23 21 13 23-1242)* | | |
| 23 21 13 23-1360 | EA | 1/4" Nipple, 2" Long, Screwed Carbon Steel | 17.07 | 9.81 |
| 23 21 13 23-1361 | EA | 1/2" Nipple, 2" Long, Screwed Carbon Steel | 17.37 | 10.24 |
| 23 21 13 23-1362 | EA | 3/4" Nipple, 2" Long, Screwed Carbon Steel | 17.24 | 10.24 |
| 23 21 13 23-1363 | EA | 1" Nipple, 2" Long, Screwed Carbon Steel | 19.21 | 11.10 |
| 23 21 13 23-1364 | EA | 1-1/2" Nipple, 2" Long, Screwed Carbon Steel | 21.94 | 11.97 |
| 23 21 13 23-1365 | EA | 2" Nipple, 2" Long, Screwed Carbon Steel | 26.17 | 15.41 |
| 23 21 13 23-1366 | EA | 1/4" Nipple, 4" Long, Screwed Carbon Steel | 18.07 | 9.81 |
| 23 21 13 23-1367 | EA | 1/2" Nipple, 4" Long, Screwed Carbon Steel | 18.16 | 10.24 |
| 23 21 13 23-1368 | EA | 3/4" Nipple, 4" Long, Screwed Carbon Steel | 18.13 | 10.24 |
| 23 21 13 23-1369 | EA | 1" Nipple, 4" Long, Screwed Carbon Steel | 20.41 | 11.10 |
| 23 21 13 23-1370 | EA | 1-1/2" Nipple, 4" Long, Screwed Carbon Steel | 24.08 | 11.97 |
| 23 21 13 23-1371 | EA | 2" Nipple, 4" Long, Screwed Carbon Steel | 29.31 | 15.41 |
| 23 21 13 23-1372 | EA | 1/4" Nipple, 6" Long, Screwed Carbon Steel | 20.44 | 9.81 |
| 23 21 13 23-1373 | EA | 1/2" Nipple, 6" Long, Screwed Carbon Steel | 19.41 | 10.24 |
| 23 21 13 23-1374 | EA | 3/4" Nipple, 6" Long, Screwed Carbon Steel | 19.53 | 10.24 |
| 23 21 13 23-1375 | EA | 1" Nipple, 6" Long, Screwed Carbon Steel | 22.14 | 11.10 |
| 23 21 13 23-1376 | EA | 1-1/2" Nipple, 6" Long, Screwed Carbon Steel | 27.01 | 11.97 |
| 23 21 13 23-1377 | EA | 2" Nipple, 6" Long, Screwed Carbon Steel | 31.90 | 15.41 |
| **23 21 13 23-1378** | | **Unions, Screwed Carbon Steel** *(23 21 13 23-1242)* | | |
| 23 21 13 23-1379 | EA | 1/4" Union, 3,000 Lb., Screwed Carbon Steel | 35.86 | 23.82 |
| 23 21 13 23-1380 | EA | 1/2" Union, 3,000 Lb., Screwed Carbon Steel | 37.63 | 23.93 |
| 23 21 13 23-1381 | EA | 3/4" Union, 3,000 Lb., Screwed Carbon Steel | 43.20 | 27.70 |
| 23 21 13 23-1382 | EA | 1" Union, 3,000 Lb., Screwed Carbon Steel | 51.54 | 32.66 |
| 23 21 13 23-1383 | EA | 1-1/2" Union, 3,000 Lb., Screwed Carbon Steel | 73.83 | 46.35 |
| 23 21 13 23-1384 | EA | 2" Union, 3,000 Lb., Screwed Carbon Steel | 91.65 | 57.56 |
| 23 21 13 23-1385 | EA | 1/4" Union, 6,000 Lb., Screwed Carbon Steel | 58.87 | 23.82 |
| 23 21 13 23-1386 | EA | 1/2" Union, 6,000 Lb., Screwed Carbon Steel | 65.45 | 23.93 |
| 23 21 13 23-1387 | EA | 3/4" Union, 6,000 Lb., Screwed Carbon Steel | 76.90 | 27.70 |
| 23 21 13 23-1388 | EA | 1" Union, 6,000 Lb., Screwed Carbon Steel | 93.06 | 32.66 |
| 23 21 13 23-1389 | EA | 1-1/2" Union, 6,000 Lb., Screwed Carbon Steel | 158.74 | 46.35 |
| 23 21 13 23-1390 | EA | 2" Union, 6,000 Lb., Screwed Carbon Steel | 196.15 | 57.56 |
| **23 21 13 23-1391** | | **Weld Neck Flanges, Screwed Carbon Steel** *(23 21 13 23-1242)* | | |
| 23 21 13 23-1392 | EA | 1/2" Flange, 150 Lb., Screwed Carbon Steel | 79.03 | 44.52 |
| 23 21 13 23-1393 | EA | 3/4" Flange, 150 Lb., Screwed Carbon Steel | 82.66 | 46.68 |
| 23 21 13 23-1394 | EA | 1" Flange, 150 Lb., Screwed Carbon Steel | 85.70 | 48.72 |
| 23 21 13 23-1395 | EA | 1-1/2" Flange, 150 Lb., Screwed Carbon Steel | 95.36 | 54.87 |
| 23 21 13 23-1396 | EA | 2" Flange, 150 Lb., Screwed Carbon Steel | 98.94 | 57.23 |
| 23 21 13 23-1397 | EA | 1/2" Flange, 300 Lb., Screwed Carbon Steel | 79.82 | 44.52 |
| | | *For Ring Type Joint, Add* | *13.02* | |
| | | *For Blind Flange, Deduct* | *-29.32* | |
| 23 21 13 23-1398 | EA | 3/4" Flange, 300 Lb., Screwed Carbon Steel | 83.48 | 46.68 |
| | | *For Ring Type Joint, Add* | *13.45* | |
| | | *For Blind Flange, Deduct* | *-30.70* | |
| 23 21 13 23-1399 | EA | 1" Flange, 300 Lb., Screwed Carbon Steel | 86.95 | 48.72 |
| | | *For Ring Type Joint, Add* | *13.88* | |
| | | *For Blind Flange, Deduct* | *-32.00* | |
| 23 21 13 23-1400 | EA | 1-1/2" Flange, 300 Lb., Screwed Carbon Steel | 98.35 | 54.87 |
| | | *For Ring Type Joint, Add* | *16.06* | |
| | | *For Blind Flange, Deduct* | *-36.13* | |
| 23 21 13 23-1401 | EA | 2" Flange, 300 Lb., Screwed Carbon Steel | 101.93 | 57.23 |
| | | *For Ring Type Joint, Add* | *16.06* | |
| | | *For Blind Flange, Deduct* | *-37.56* | |
| 23 21 13 23-1402 | EA | 1/2" Flange, 600 Lb., Screwed Carbon Steel | 84.94 | 44.52 |
| | | *For Ring Type Joint, Add* | *18.14* | |
| | | *For Blind Flange, Deduct* | *-30.35* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1403 | EA | 3/4" Flange, 600 Lb., Screwed Carbon Steel | 88.17 | 46.68 |
| | | *For Ring Type Joint, Add* | *18.14* | |
| | | *For Blind Flange, Deduct* | *-31.64* | |
| 23 21 13 23-1404 | EA | 1" Flange, 600 Lb., Screwed Carbon Steel | 92.03 | 48.72 |
| | | *For Ring Type Joint, Add* | *18.96* | |
| | | *For Blind Flange, Deduct* | *-33.02* | |
| 23 21 13 23-1405 | EA | 1-1/2" Flange, 600 Lb., Screwed Carbon Steel | 104.64 | 54.87 |
| | | *For Ring Type Joint, Add* | *22.35* | |
| | | *For Blind Flange, Deduct* | *-37.39* | |
| 23 21 13 23-1406 | EA | 2" Flange, 600 Lb., Screwed Carbon Steel | 106.68 | 57.23 |
| | | *For Ring Type Joint, Add* | *20.81* | |
| | | *For Blind Flange, Deduct* | *-38.51* | |
| **23 21 13 23-1407** | | **Square Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1242)* | | |
| 23 21 13 23-1408 | EA | 1/4" Square Head Plug, Screwed Carbon Steel | 5.66 | 3.02 |
| 23 21 13 23-1409 | EA | 1/2" Square Head Plug, Screwed Carbon Steel | 6.78 | 3.56 |
| 23 21 13 23-1410 | EA | 3/4" Square Head Plug, Screwed Carbon Steel | 7.86 | 4.10 |
| 23 21 13 23-1411 | EA | 1" Square Head Plug, Screwed Carbon Steel | 11.46 | 6.03 |
| 23 21 13 23-1412 | EA | 1-1/2" Square Head Plug, Screwed Carbon Steel | 14.48 | 6.03 |
| 23 21 13 23-1413 | EA | 2" Square Head Plug, Screwed Carbon Steel | 20.86 | 7.87 |
| **23 21 13 23-1414** | | **Hex Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1242)* | | |
| 23 21 13 23-1415 | EA | 1/4" Hex Head Plug, Screwed Carbon Steel | 5.36 | 3.02 |
| 23 21 13 23-1416 | EA | 1/2" Hex Head Plug, Screwed Carbon Steel | 6.50 | 3.56 |
| 23 21 13 23-1417 | EA | 3/4" Hex Head Plug, Screwed Carbon Steel | 7.68 | 4.10 |
| 23 21 13 23-1418 | EA | 1" Hex Head Plug, Screwed Carbon Steel | 11.30 | 6.03 |
| 23 21 13 23-1419 | EA | 1-1/2" Hex Head Plug, Screwed Carbon Steel | 13.82 | 6.03 |
| 23 21 13 23-1420 | EA | 2" Hex Head Plug, Screwed Carbon Steel | 21.33 | 7.87 |
| **23 21 13 23-1421** | | **Round Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1242)* | | |
| 23 21 13 23-1422 | EA | 1/4" Round Head Plug, Screwed Carbon Steel | 6.34 | 3.02 |
| 23 21 13 23-1423 | EA | 1/2" Round Head Plug, Screwed Carbon Steel | 6.82 | 3.56 |
| 23 21 13 23-1424 | EA | 3/4" Round Head Plug, Screwed Carbon Steel | 7.73 | 4.10 |
| 23 21 13 23-1425 | EA | 1" Round Head Plug, Screwed Carbon Steel | 11.57 | 6.03 |
| 23 21 13 23-1426 | EA | 1-1/2" Round Head Plug, Screwed Carbon Steel | 15.32 | 6.03 |
| 23 21 13 23-1427 | EA | 2" Round Head Plug, Screwed Carbon Steel | 21.15 | 7.87 |
| **23 21 13 23-1428** | | **Hexagon Bushings, Screwed Carbon Steel** *(23 21 13 23-1242)* | | |
| 23 21 13 23-1429 | EA | 1/4" Hex Bushing, Screwed Carbon Steel | 5.59 | 3.02 |
| 23 21 13 23-1430 | EA | 1/2" Hex Bushing, Screwed Carbon Steel | 6.49 | 3.56 |
| 23 21 13 23-1431 | EA | 3/4" Hex Bushing, Screwed Carbon Steel | 7.60 | 4.10 |
| 23 21 13 23-1432 | EA | 1" Hex Bushing, Screwed Carbon Steel | 11.52 | 6.03 |
| 23 21 13 23-1433 | EA | 1-1/2" Hex Bushing, Screwed Carbon Steel | 13.76 | 6.03 |
| 23 21 13 23-1434 | EA | 2" Hex Bushing, Screwed Carbon Steel | 20.63 | 7.87 |
| **23 21 13 23-1435** | | **90 Degree Street Elbows, Screwed Carbon Steel** *(23 21 13 23-1242)* | | |
| 23 21 13 23-1436 | EA | 1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 35.48 | 16.39 |
| 23 21 13 23-1437 | EA | 1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 40.49 | 19.19 |
| 23 21 13 23-1438 | EA | 3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 47.26 | 21.46 |
| 23 21 13 23-1439 | EA | 1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 55.24 | 23.93 |
| 23 21 13 23-1440 | EA | 1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 87.19 | 30.61 |
| 23 21 13 23-1441 | EA | 2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel | 117.27 | 38.91 |
| 23 21 13 23-1442 | EA | 1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 56.21 | 19.19 |
| 23 21 13 23-1443 | EA | 3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 79.24 | 21.46 |
| 23 21 13 23-1444 | EA | 1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 108.75 | 23.93 |
| 23 21 13 23-1445 | EA | 1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel | 234.39 | 30.61 |
| **23 21 13 23-1446** | | **Screwed Carbon Steel Laterals** *(23 21 13 23-1242)* | | |
| 23 21 13 23-1447 | EA | 1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel | 144.26 | 23.93 |
| 23 21 13 23-1448 | EA | 3/4" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel | 173.34 | 27.70 |
| 23 21 13 23-1449 | EA | 1" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel | 211.96 | 32.66 |
| 23 21 13 23-1450 | EA | 1-1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel | 273.03 | 46.35 |
| 23 21 13 23-1451 | EA | 2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel | 340.59 | 57.56 |
| 23 21 13 23-1452 | EA | 1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel | 181.00 | 23.93 |
| 23 21 13 23-1453 | EA | 3/4" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel | 227.98 | 27.70 |
| 23 21 13 23-1454 | EA | 1" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel | 270.38 | 32.66 |
| 23 21 13 23-1455 | EA | 1-1/2" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel | 380.43 | 46.35 |
| **23 21 13 23-1456** | | **Grooved-Joint Pipe** *(23 21 13 23)* | | |
| | | Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings. | | |
| **23 21 13 23-1457** | | **Schedule 10 Black Grooved Pipe** *(23 21 13 23-1456)* | | |
| 23 21 13 23-1458 | LF | 2" Black Schedule 10 Grooved Pipe | 31.94 | 13.69 |
| | | *For Work In Restricted Working Space, Add* | *6.14* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1459 | LF | 2-1/2" Black Schedule 10 Grooved Pipe | 43.00 | 18.76 |
| | | *For Work In Restricted Working Space, Add* | *8.44* | |
| 23 21 13 23-1460 | LF | 3" Black Schedule 10 Grooved Pipe | 48.35 | 20.80 |
| | | *For Work In Restricted Working Space, Add* | *9.36* | |
| 23 21 13 23-1461 | LF | 3-1/2" Black Schedule 10 Grooved Pipe | 54.35 | 21.56 |
| | | *For Work In Restricted Working Space, Add* | *9.71* | |
| 23 21 13 23-1462 | LF | 4" Black Schedule 10 Grooved Pipe | 57.59 | 23.39 |
| | | *For Work In Restricted Working Space, Add* | *10.51* | |
| 23 21 13 23-1463 | LF | 5" Black Schedule 10 Grooved Pipe | 82.53 | 28.67 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| 23 21 13 23-1464 | LF | 6" Black Schedule 10 Grooved Pipe | 105.35 | 40.75 |
| | | *For Work In Restricted Working Space, Add* | *18.31* | |
| 23 21 13 23-1465 | LF | 8" Black Schedule 10 Grooved Pipe | 146.74 | 45.70 |
| | | *For Work In Restricted Working Space, Add* | *20.54* | |
| 23 21 13 23-1466 | LF | 10" Black Schedule 10 Grooved Pipe | 184.56 | 55.08 |
| | | *For Work In Restricted Working Space, Add* | *24.77* | |
| 23 21 13 23-1467 | LF | 12" Black Schedule 10 Grooved Pipe | 213.23 | 62.41 |
| | | *For Work In Restricted Working Space, Add* | *28.07* | |

### 23 21 13 23-1468 Schedule 40 Black Grooved Pipe *(23 21 13 23-1456)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1469 | LF | 3/4" Black Schedule 40 Grooved Pipe | 19.13 | 8.30 |
| | | *For Work In Restricted Working Space, Add* | *3.72* | |
| 23 21 13 23-1470 | LF | 1" Black Schedule 40 Grooved Pipe | 21.62 | 9.38 |
| | | *For Work In Restricted Working Space, Add* | *4.19* | |
| 23 21 13 23-1471 | LF | 1-1/4" Black Schedule 40 Grooved Pipe | 24.71 | 10.13 |
| | | *For Work In Restricted Working Space, Add* | *4.55* | |
| 23 21 13 23-1472 | LF | 1-1/2" Black Schedule 40 Grooved Pipe | 28.11 | 11.53 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| 23 21 13 23-1473 | LF | 2" Black Schedule 40 Grooved Pipe | 35.40 | 14.66 |
| | | *For Work In Restricted Working Space, Add* | *6.61* | |
| 23 21 13 23-1474 | LF | 2-1/2" Black Schedule 40 Grooved Pipe | 49.39 | 20.05 |
| | | *For Work In Restricted Working Space, Add* | *9.03* | |
| 23 21 13 23-1475 | LF | 3" Black Schedule 40 Grooved Pipe | 58.52 | 22.86 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| 23 21 13 23-1476 | LF | 4" Black Schedule 40 Grooved Pipe | 72.55 | 25.43 |
| | | *For Work In Restricted Working Space, Add* | *11.45* | |
| 23 21 13 23-1477 | LF | 5" Black Schedule 40 Grooved Pipe | 101.01 | 30.93 |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| 23 21 13 23-1478 | LF | 6" Black Schedule 40 Grooved Pipe | 135.06 | 44.62 |
| | | *For Work In Restricted Working Space, Add* | *20.05* | |
| 23 21 13 23-1479 | LF | 8" Black Schedule 40 Grooved Pipe | 181.71 | 50.56 |
| | | *For Work In Restricted Working Space, Add* | *22.76* | |
| 23 21 13 23-1480 | LF | 10" Black Schedule 40 Grooved Pipe | 253.09 | 60.37 |
| | | *For Work In Restricted Working Space, Add* | *27.17* | |
| 23 21 13 23-1481 | LF | 12" Black Schedule 40 Grooved Pipe | 298.63 | 69.31 |
| | | *For Work In Restricted Working Space, Add* | *31.19* | |
| 23 21 13 23-1482 | LF | 14" Black Schedule 40 Grooved Pipe | 393.62 | 93.67 |
| | | *For Work In Restricted Working Space, Add* | *42.11* | |
| 23 21 13 23-1483 | LF | 16" Black Schedule 40 Grooved Pipe | 456.19 | 110.16 |
| | | *For Work In Restricted Working Space, Add* | *49.54* | |
| 23 21 13 23-1484 | LF | 18" Black Schedule 40 Grooved Pipe | 567.16 | 133.77 |
| | | *For Work In Restricted Working Space, Add* | *60.15* | |
| 23 21 13 23-1485 | LF | 20" Black Schedule 40 Grooved Pipe | 653.49 | 155.97 |
| | | *For Work In Restricted Working Space, Add* | *70.18* | |
| 23 21 13 23-1486 | LF | 24" Black Schedule 40 Grooved Pipe | 859.03 | 187.24 |
| | | *For Work In Restricted Working Space, Add* | *84.21* | |

### 23 21 13 23-1487 Schedule 80 Black Grooved Pipe *(23 21 13 23-1456)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1488 | LF | 3/4" Black Schedule 80 Grooved Pipe | 20.97 | 9.06 |
| | | *For Work In Restricted Working Space, Add* | *4.07* | |
| 23 21 13 23-1489 | LF | 1" Black Schedule 80 Grooved Pipe | 23.39 | 9.59 |
| | | *For Work In Restricted Working Space, Add* | *4.33* | |
| 23 21 13 23-1490 | LF | 1-1/4" Black Schedule 80 Grooved Pipe | 27.65 | 10.67 |
| | | *For Work In Restricted Working Space, Add* | *4.81* | |
| 23 21 13 23-1491 | LF | 1-1/2" Black Schedule 80 Grooved Pipe | 31.51 | 11.97 |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| 23 21 13 23-1492 | LF | 2" Black Schedule 80 Grooved Pipe | 40.79 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-1493 | LF | 2-1/2" Black Schedule 80 Grooved Pipe | 57.61 | 21.23 |
| | | *For Work In Restricted Working Space, Add* | *9.54* | |
| 23 21 13 23-1494 | LF | 3" Black Schedule 80 Grooved Pipe | 69.10 | 23.82 |
| | | *For Work In Restricted Working Space, Add* | *10.73* | |
| 23 21 13 23-1495 | LF | 4" Black Schedule 80 Grooved Pipe | 87.91 | 25.98 |
| | | *For Work In Restricted Working Space, Add* | *11.70* | |
| 23 21 13 23-1496 | LF | 5" Black Schedule 80 Grooved Pipe | 136.25 | 32.66 |
| | | *For Work In Restricted Working Space, Add* | *14.72* | |
| 23 21 13 23-1497 | LF | 6" Black Schedule 80 Grooved Pipe | 176.19 | 46.78 |
| | | *For Work In Restricted Working Space, Add* | *21.05* | |
| 23 21 13 23-1498 | LF | 8" Black Schedule 80 Grooved Pipe | 268.29 | 53.47 |
| | | *For Work In Restricted Working Space, Add* | *24.06* | |
| 23 21 13 23-1499 | LF | 10" Black Schedule 80 Grooved Pipe | 334.47 | 64.57 |
| | | *For Work In Restricted Working Space, Add* | *29.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1500 | LF | 12" Black Schedule 80 Grooved Pipe | 349.51 | 78.05 |
| | | *For Work In Restricted Working Space, Add* | *35.09* | |
| **23 21 13 23-1501** | | **Schedule 40 Galvanized Grooved Pipe** *(23 21 13 23-1456)* | | |
| 23 21 13 23-1502 | LF | 3/4" Galvanized Schedule 40 Grooved Pipe | 18.85 | 8.30 |
| | | *For Work In Restricted Working Space, Add* | *3.72* | |
| 23 21 13 23-1503 | LF | 1" Galvanized Schedule 40 Grooved Pipe | 21.88 | 9.38 |
| | | *For Work In Restricted Working Space, Add* | *4.19* | |
| 23 21 13 23-1504 | LF | 1-1/4" Galvanized Schedule 40 Grooved Pipe | 24.40 | 10.13 |
| | | *For Work In Restricted Working Space, Add* | *4.55* | |
| 23 21 13 23-1505 | LF | 1-1/2" Galvanized Schedule 40 Grooved Pipe | 27.78 | 11.53 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| 23 21 13 23-1506 | LF | 2" Galvanized Schedule 40 Grooved Pipe | 35.13 | 14.66 |
| | | *For Work In Restricted Working Space, Add* | *6.61* | |
| 23 21 13 23-1507 | LF | 2-1/2" Galvanized Schedule 40 Grooved Pipe | 49.24 | 20.05 |
| | | *For Work In Restricted Working Space, Add* | *9.03* | |
| 23 21 13 23-1508 | LF | 3" Galvanized Schedule 40 Grooved Pipe | 58.55 | 22.86 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| 23 21 13 23-1509 | LF | 4" Galvanized Schedule 40 Grooved Pipe | 72.55 | 25.43 |
| | | *For Work In Restricted Working Space, Add* | *11.45* | |
| 23 21 13 23-1510 | LF | 5" Galvanized Schedule 40 Grooved Pipe | 102.38 | 30.93 |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| 23 21 13 23-1511 | LF | 6" Galvanized Schedule 40 Grooved Pipe | 137.79 | 44.62 |
| | | *For Work In Restricted Working Space, Add* | *20.05* | |
| 23 21 13 23-1512 | LF | 8" Galvanized Schedule 40 Grooved Pipe | 183.85 | 50.56 |
| | | *For Work In Restricted Working Space, Add* | *22.76* | |
| 23 21 13 23-1513 | LF | 10" Galvanized Schedule 40 Grooved Pipe | 260.23 | 60.37 |
| | | *For Work In Restricted Working Space, Add* | *27.17* | |
| 23 21 13 23-1514 | LF | 12" Galvanized Schedule 40 Grooved Pipe | 307.58 | 69.31 |
| | | *For Work In Restricted Working Space, Add* | *31.19* | |
| **23 21 13 23-1515** | | **Schedule 80 Galvanized Grooved Pipe** *(23 21 13 23-1456)* | | |
| 23 21 13 23-1516 | LF | 3/4" Galvanized Schedule 80 Grooved Pipe | 20.24 | 9.06 |
| | | *For Work In Restricted Working Space, Add* | *4.07* | |
| 23 21 13 23-1517 | LF | 1" Galvanized Schedule 80 Grooved Pipe | 26.57 | 9.59 |
| | | *For Work In Restricted Working Space, Add* | *4.33* | |
| 23 21 13 23-1518 | LF | 1-1/4" Galvanized Schedule 80 Grooved Pipe | 26.79 | 10.67 |
| | | *For Work In Restricted Working Space, Add* | *4.81* | |
| 23 21 13 23-1519 | LF | 1-1/2" Galvanized Schedule 80 Grooved Pipe | 35.14 | 12.72 |
| | | *For Work In Restricted Working Space, Add* | *5.75* | |
| 23 21 13 23-1520 | LF | 2" Galvanized Schedule 80 Grooved Pipe | 39.65 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-1521 | LF | 2-1/2" Galvanized Schedule 80 Grooved Pipe | 56.20 | 21.23 |
| | | *For Work In Restricted Working Space, Add* | *9.54* | |
| 23 21 13 23-1522 | LF | 3" Galvanized Schedule 80 Grooved Pipe | 67.75 | 23.82 |
| | | *For Work In Restricted Working Space, Add* | *10.73* | |
| 23 21 13 23-1523 | LF | 4" Galvanized Schedule 80 Grooved Pipe | 85.67 | 25.98 |
| | | *For Work In Restricted Working Space, Add* | *11.70* | |
| 23 21 13 23-1524 | LF | 5" Galvanized Schedule 80 Grooved Pipe | 129.62 | 32.66 |
| | | *For Work In Restricted Working Space, Add* | *14.72* | |
| 23 21 13 23-1525 | LF | 6" Galvanized Schedule 80 Grooved Pipe | 167.58 | 46.78 |
| | | *For Work In Restricted Working Space, Add* | *21.05* | |
| 23 21 13 23-1526 | LF | 8" Galvanized Schedule 80 Grooved Pipe | 252.16 | 53.47 |
| | | *For Work In Restricted Working Space, Add* | *24.06* | |
| 23 21 13 23-1527 | LF | 10" Galvanized Schedule 80 Grooved Pipe | 300.01 | 64.57 |
| | | *For Work In Restricted Working Space, Add* | *29.04* | |
| 23 21 13 23-1528 | LF | 12" Galvanized Schedule 80 Grooved Pipe | 328.60 | 78.05 |
| | | *For Work In Restricted Working Space, Add* | *35.09* | |
| **23 21 13 23-1529** | | **Painted Grooved-Joint Pipe Fittings** *(23 21 13 23)* | | |
| | | Note: Couplings are not included with fittings. | | |
| **23 21 13 23-1530** | | **Grooved Elbows** *(23 21 13 23-1529)* | | |
| **23 21 13 23-1531** | | **90 Degree Grooved Elbows** *(23 21 13 23-1530)* | | |
| | | Note: Victaulic No. 10 | | |
| 23 21 13 23-1532 | EA | 3/4", Ductile Iron, Grooved 90 Degree Elbow | 78.52 | 11.75 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| | | *For Galvanized Fittings, Add* | *20.10* | |
| 23 21 13 23-1533 | EA | 1", Ductile Iron, Grooved 90 Degree Elbow | 78.52 | 11.75 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| | | *For Galvanized Fittings, Add* | *20.10* | |
| 23 21 13 23-1534 | EA | 1-1/4", Ductile Iron, Grooved 90 Degree Elbow | 82.92 | 14.66 |
| | | *For Work In Restricted Working Space, Add* | *6.61* | |
| | | *For Galvanized Fittings, Add* | *20.10* | |
| 23 21 13 23-1535 | EA | 1-1/2", Ductile Iron, Grooved 90 Degree Elbow | 87.58 | 17.79 |
| | | *For Work In Restricted Working Space, Add* | *8.00* | |
| | | *For Galvanized Fittings, Add* | *20.10* | |
| 23 21 13 23-1536 | EA | 2", Ductile Iron, Grooved 90 Degree Elbow | 96.13 | 23.50 |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| | | *For Galvanized Fittings, Add* | *20.10* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1537 | EA | 2-1/2", Ductile Iron, Grooved 90 Degree Elbow | 103.81 | 28.67 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| | | *For Galvanized Fittings, Add* | *20.10* | |
| 23 21 13 23-1538 | EA | 3", Ductile Iron, Grooved 90 Degree Elbow | 160.21 | 34.71 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| | | *For Galvanized Fittings, Add* | *35.70* | |
| 23 21 13 23-1539 | EA | 4", Ductile Iron, Grooved 90 Degree Elbow | 186.50 | 45.81 |
| | | *For Work In Restricted Working Space, Add* | *20.60* | |
| | | *For Galvanized Fittings, Add* | *38.89* | |
| 23 21 13 23-1540 | EA | 5", Ductile Iron, Grooved 90 Degree Elbow | 372.66 | 57.23 |
| | | *For Work In Restricted Working Space, Add* | *25.75* | |
| | | *For Galvanized Fittings, Add* | *94.66* | |
| 23 21 13 23-1541 | EA | 6", Ductile Iron, Grooved 90 Degree Elbow | 445.63 | 74.91 |
| | | *For Work In Restricted Working Space, Add* | *33.68* | |
| | | *For Galvanized Fittings, Add* | *110.01* | |
| 23 21 13 23-1542 | EA | 8", Ductile Iron, Grooved 90 Degree Elbow | 835.26 | 89.15 |
| | | *For Work In Restricted Working Space, Add* | *40.10* | |
| | | *For Galvanized Fittings, Add* | *231.52* | |
| 23 21 13 23-1543 | EA | 10", Ductile Iron, Grooved 90 Degree Elbow | 1,249.04 | 104.01 |
| | | *For Work In Restricted Working Space, Add* | *46.79* | |
| | | *For Galvanized Fittings, Add* | *360.72* | |
| 23 21 13 23-1544 | EA | 12", Ductile Iron, Grooved 90 Degree Elbow | 1,939.18 | 124.82 |
| | | *For Work In Restricted Working Space, Add* | *56.14* | |
| | | *For Galvanized Fittings, Add* | *578.17* | |
| 23 21 13 23-1545 | EA | 14", Steel, Grooved 90 Degree Elbow | 3,854.90 | 140.88 |
| | | *For Work In Restricted Working Space, Add* | *63.38* | |
| | | *For Galvanized Fittings, Add* | *1,202.40* | |
| 23 21 13 23-1546 | EA | 16", Steel, Grooved 90 Degree Elbow | 5,001.63 | 155.97 |
| | | *For Work In Restricted Working Space, Add* | *70.17* | |
| | | *For Galvanized Fittings, Add* | *1,573.35* | |
| 23 21 13 23-1547 | EA | 18", Steel, Grooved 90 Degree Elbow | 6,302.32 | 170.41 |
| | | *For Work In Restricted Working Space, Add* | *76.64* | |
| | | *For Galvanized Fittings, Add* | *1,995.47* | |
| 23 21 13 23-1548 | EA | 20", Steel, Grooved 90 Degree Elbow | 8,211.96 | 177.20 |
| | | *For Work In Restricted Working Space, Add* | *79.73* | |
| | | *For Galvanized Fittings, Add* | *2,622.25* | |
| 23 21 13 23-1549 | EA | 24", Steel, Grooved 90 Degree Elbow | 11,748.86 | 209.55 |
| | | *For Work In Restricted Working Space, Add* | *94.22* | |
| | | *For Galvanized Fittings, Add* | *3,773.48* | |

## 23 21 13 23-1550 45 Degree Grooved Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 11

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1551 | EA | 3/4", Ductile Iron, Grooved 45 Degree Elbow | 78.48 | 11.75 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| | | *For Galvanized Fittings, Add* | *14.61* | |
| 23 21 13 23-1552 | EA | 1", Ductile Iron, Grooved 45 Degree Elbow | 78.48 | 11.75 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| | | *For Galvanized Fittings, Add* | *14.61* | |
| 23 21 13 23-1553 | EA | 1-1/4", Ductile Iron, Grooved 45 Degree Elbow | 82.88 | 14.66 |
| | | *For Work In Restricted Working Space, Add* | *6.61* | |
| | | *For Galvanized Fittings, Add* | *14.61* | |
| 23 21 13 23-1554 | EA | 1-1/2", Ductile Iron, Grooved 45 Degree Elbow | 87.54 | 17.79 |
| | | *For Work In Restricted Working Space, Add* | *8.00* | |
| | | *For Galvanized Fittings, Add* | *14.61* | |
| 23 21 13 23-1555 | EA | 2", Ductile Iron, Grooved 45 Degree Elbow | 96.09 | 23.50 |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| | | *For Galvanized Fittings, Add* | *14.61* | |
| 23 21 13 23-1556 | EA | 2-1/2", Ductile Iron, Grooved 45 Degree Elbow | 103.77 | 28.67 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| | | *For Galvanized Fittings, Add* | *14.61* | |
| 23 21 13 23-1557 | EA | 3", Ductile Iron, Grooved 45 Degree Elbow | 160.17 | 34.71 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| | | *For Galvanized Fittings, Add* | *25.96* | |
| 23 21 13 23-1558 | EA | 4", Ductile Iron, Grooved 45 Degree Elbow | 186.50 | 45.81 |
| | | *For Work In Restricted Working Space, Add* | *20.60* | |
| | | *For Galvanized Fittings, Add* | *28.28* | |
| 23 21 13 23-1559 | EA | 5", Ductile Iron, Grooved 45 Degree Elbow | 372.66 | 57.23 |
| | | *For Work In Restricted Working Space, Add* | *25.75* | |
| | | *For Galvanized Fittings, Add* | *68.84* | |
| 23 21 13 23-1560 | EA | 6", Ductile Iron, Grooved 45 Degree Elbow | 445.63 | 74.91 |
| | | *For Work In Restricted Working Space, Add* | *33.68* | |
| | | *For Galvanized Fittings, Add* | *80.00* | |
| 23 21 13 23-1561 | EA | 8", Ductile Iron, Grooved 45 Degree Elbow | 835.26 | 89.15 |
| | | *For Work In Restricted Working Space, Add* | *40.10* | |
| | | *For Galvanized Fittings, Add* | *168.38* | |
| 23 21 13 23-1562 | EA | 10", Ductile Iron, Grooved 45 Degree Elbow | 1,249.04 | 104.01 |
| | | *For Work In Restricted Working Space, Add* | *46.79* | |
| | | *For Galvanized Fittings, Add* | *262.34* | |
| 23 21 13 23-1563 | EA | 12", Ductile Iron, Grooved 45 Degree Elbow | 1,939.18 | 124.82 |
| | | *For Work In Restricted Working Space, Add* | *56.14* | |
| | | *For Galvanized Fittings, Add* | *420.49* | |
| 23 21 13 23-1564 | EA | 14", Steel, Grooved 45 Degree Elbow | 3,854.90 | 140.88 |
| | | *For Work In Restricted Working Space, Add* | *63.38* | |
| | | *For Galvanized Fittings, Add* | *874.47* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1565 | EA | 16", Steel, Grooved 45 Degree Elbow | 5,001.63 | 155.97 |
| | | *For Work In Restricted Working Space, Add* | *70.17* | |
| | | *For Galvanized Fittings, Add* | *1,144.26* | |
| 23 21 13 23-1566 | EA | 18", Steel, Grooved 45 Degree Elbow | 6,302.32 | 170.41 |
| | | *For Work In Restricted Working Space, Add* | *76.64* | |
| | | *For Galvanized Fittings, Add* | *1,451.25* | |
| 23 21 13 23-1567 | EA | 20", Steel, Grooved 45 Degree Elbow | 8,212.44 | 177.54 |
| | | *For Work In Restricted Working Space, Add* | *79.87* | |
| | | *For Galvanized Fittings, Add* | *1,907.09* | |
| 23 21 13 23-1568 | EA | 24", Steel, Grooved 45 Degree Elbow | 11,748.86 | 209.55 |
| | | *For Work In Restricted Working Space, Add* | *94.22* | |
| | | *For Galvanized Fittings, Add* | *2,744.35* | |

## 23 21 13 23-1569 22-1/2 Degree Grooved Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 12

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1570 | EA | 1", Ductile Iron, Grooved 22-1/2 Degree Elbow | 82.48 | 11.75 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| | | *For Galvanized Fittings, Add* | *15.57* | |
| 23 21 13 23-1571 | EA | 1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow | 86.88 | 14.66 |
| | | *For Work In Restricted Working Space, Add* | *6.61* | |
| | | *For Galvanized Fittings, Add* | *15.57* | |
| 23 21 13 23-1572 | EA | 1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow | 91.54 | 17.79 |
| | | *For Work In Restricted Working Space, Add* | *8.00* | |
| | | *For Galvanized Fittings, Add* | *15.57* | |
| 23 21 13 23-1573 | EA | 2", Ductile Iron, Grooved 22-1/2 Degree Elbow | 100.09 | 23.50 |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| | | *For Galvanized Fittings, Add* | *15.57* | |
| 23 21 13 23-1574 | EA | 2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow | 107.77 | 28.67 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| | | *For Galvanized Fittings, Add* | *15.57* | |
| 23 21 13 23-1575 | EA | 3", Ductile Iron, Grooved 22-1/2 Degree Elbow | 146.89 | 34.71 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| | | *For Galvanized Fittings, Add* | *22.77* | |
| 23 21 13 23-1576 | EA | 4", Ductile Iron, Grooved 22-1/2 Degree Elbow | 195.87 | 45.81 |
| | | *For Work In Restricted Working Space, Add* | *20.60* | |
| | | *For Galvanized Fittings, Add* | *30.53* | |
| 23 21 13 23-1577 | EA | 5", Ductile Iron, Grooved 22-1/2 Degree Elbow | 480.31 | 57.23 |
| | | *For Work In Restricted Working Space, Add* | *25.75* | |
| | | *For Galvanized Fittings, Add* | *94.68* | |
| 23 21 13 23-1578 | EA | 6", Ductile Iron, Grooved 22-1/2 Degree Elbow | 472.67 | 74.91 |
| | | *For Work In Restricted Working Space, Add* | *33.68* | |
| | | *For Galvanized Fittings, Add* | *86.49* | |
| 23 21 13 23-1579 | EA | 8", Ductile Iron, Grooved 22-1/2 Degree Elbow | 887.71 | 89.15 |
| | | *For Work In Restricted Working Space, Add* | *40.10* | |
| | | *For Galvanized Fittings, Add* | *180.97* | |
| 23 21 13 23-1580 | EA | 10", Steel, Grooved 22-1/2 Degree Elbow | 1,191.16 | 104.01 |
| | | *For Work In Restricted Working Space, Add* | *46.79* | |
| | | *For Galvanized Fittings, Add* | *248.45* | |
| 23 21 13 23-1581 | EA | 12", Steel, Grooved 22-1/2 Degree Elbow | 1,586.65 | 124.82 |
| | | *For Work In Restricted Working Space, Add* | *56.14* | |
| | | *For Galvanized Fittings, Add* | *335.88* | |
| 23 21 13 23-1582 | EA | 14", Steel, Grooved 22-1/2 Degree Elbow | 1,827.74 | 140.88 |
| | | *For Work In Restricted Working Space, Add* | *63.38* | |
| | | *For Galvanized Fittings, Add* | *387.95* | |
| 23 21 13 23-1583 | EA | 16", Steel, Grooved 22-1/2 Degree Elbow | 2,172.64 | 155.97 |
| | | *For Work In Restricted Working Space, Add* | *70.17* | |
| | | *For Galvanized Fittings, Add* | *465.30* | |
| 23 21 13 23-1584 | EA | 18", Steel, Grooved 22-1/2 Degree Elbow | 2,603.40 | 170.41 |
| | | *For Work In Restricted Working Space, Add* | *76.64* | |
| | | *For Galvanized Fittings, Add* | *563.51* | |
| 23 21 13 23-1585 | EA | 20", Steel, Grooved 22-1/2 Degree Elbow | 3,041.65 | 177.20 |
| | | *For Work In Restricted Working Space, Add* | *79.73* | |
| | | *For Galvanized Fittings, Add* | *666.22* | |
| 23 21 13 23-1586 | EA | 24", Steel, Grooved 22-1/2 Degree Elbow | 4,044.29 | 209.55 |
| | | *For Work In Restricted Working Space, Add* | *94.22* | |
| | | *For Galvanized Fittings, Add* | *895.25* | |

## 23 21 13 23-1587 11-1/4 Degree Grooved Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 13

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1588 | EA | 1", Ductile Iron, Grooved 11-1/4 Degree Elbow | 82.48 | 11.75 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| | | *For Galvanized Fittings, Add* | *15.57* | |
| 23 21 13 23-1589 | EA | 1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow | 86.88 | 14.66 |
| | | *For Work In Restricted Working Space, Add* | *6.61* | |
| | | *For Galvanized Fittings, Add* | *15.57* | |
| 23 21 13 23-1590 | EA | 1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow | 91.54 | 17.79 |
| | | *For Work In Restricted Working Space, Add* | *8.00* | |
| | | *For Galvanized Fittings, Add* | *15.57* | |
| 23 21 13 23-1591 | EA | 2", Ductile Iron, Grooved 11-1/4 Degree Elbow | 100.09 | 23.50 |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| | | *For Galvanized Fittings, Add* | *15.57* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1592 | EA | 2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow | 107.77 | 28.67 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| | | *For Galvanized Fittings, Add* | *15.57* | |
| 23 21 13 23-1593 | EA | 3", Ductile Iron, Grooved 11-1/4 Degree Elbow | 146.89 | 34.71 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| | | *For Galvanized Fittings, Add* | *22.77* | |
| 23 21 13 23-1594 | EA | 4", Ductile Iron, Grooved 11-1/4 Degree Elbow | 195.86 | 45.81 |
| | | *For Work In Restricted Working Space, Add* | *20.60* | |
| | | *For Galvanized Fittings, Add* | *30.53* | |
| 23 21 13 23-1595 | EA | 5", Ductile Iron, Grooved 11-1/4 Degree Elbow | 480.30 | 57.23 |
| | | *For Work In Restricted Working Space, Add* | *25.75* | |
| | | *For Galvanized Fittings, Add* | *94.68* | |
| 23 21 13 23-1596 | EA | 6", Ductile Iron, Grooved 11-1/4 Degree Elbow | 472.65 | 74.91 |
| | | *For Work In Restricted Working Space, Add* | *33.68* | |
| | | *For Galvanized Fittings, Add* | *86.49* | |
| 23 21 13 23-1597 | EA | 8", Ductile Iron, Grooved 11-1/4 Degree Elbow | 887.67 | 89.15 |
| | | *For Work In Restricted Working Space, Add* | *40.10* | |
| | | *For Galvanized Fittings, Add* | *180.96* | |
| 23 21 13 23-1598 | EA | 10", Steel, Grooved 11-1/4 Degree Elbow | 1,191.10 | 104.01 |
| | | *For Work In Restricted Working Space, Add* | *46.79* | |
| | | *For Galvanized Fittings, Add* | *248.44* | |
| 23 21 13 23-1599 | EA | 12", Steel, Grooved 11-1/4 Degree Elbow | 1,586.57 | 124.82 |
| | | *For Work In Restricted Working Space, Add* | *56.14* | |
| | | *For Galvanized Fittings, Add* | *335.86* | |
| 23 21 13 23-1600 | EA | 14", Steel, Grooved 11-1/4 Degree Elbow | 1,827.66 | 140.88 |
| | | *For Work In Restricted Working Space, Add* | *63.39* | |
| | | *For Galvanized Fittings, Add* | *387.93* | |
| 23 21 13 23-1601 | EA | 16", Steel, Grooved 11-1/4 Degree Elbow | 2,172.57 | 156.08 |
| | | *For Work In Restricted Working Space, Add* | *70.18* | |
| | | *For Galvanized Fittings, Add* | *465.27* | |
| 23 21 13 23-1602 | EA | 18", Steel, Grooved 11-1/4 Degree Elbow | 2,603.25 | 170.41 |
| | | *For Work In Restricted Working Space, Add* | *76.63* | |
| | | *For Galvanized Fittings, Add* | *563.48* | |
| 23 21 13 23-1603 | EA | 20", Steel, Grooved 11-1/4 Degree Elbow | 3,041.50 | 177.20 |
| | | *For Work In Restricted Working Space, Add* | *79.73* | |
| | | *For Galvanized Fittings, Add* | *666.18* | |
| 23 21 13 23-1604 | EA | 24", Steel, Grooved 11-1/4 Degree Elbow | 4,044.09 | 209.55 |
| | | *For Work In Restricted Working Space, Add* | *94.22* | |
| | | *For Galvanized Fittings, Add* | *895.20* | |

### 23 21 13 23-1605 90 Degree Grooved Long Radius Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 100

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1606 | EA | 2", Ductile Iron, Grooved 90 Degree Long Radius Elbow | 174.46 | 23.50 |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| | | *For Galvanized Fittings, Add* | *33.42* | |
| 23 21 13 23-1607 | EA | 2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow | 446.90 | 28.67 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| | | *For Galvanized Fittings, Add* | *96.96* | |
| 23 21 13 23-1608 | EA | 3", Ductile Iron, Grooved 90 Degree Long Radius Elbow | 191.25 | 34.71 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| | | *For Galvanized Fittings, Add* | *33.42* | |
| 23 21 13 23-1609 | EA | 4", Ductile Iron, Grooved 90 Degree Long Radius Elbow | 277.23 | 45.81 |
| | | *For Work In Restricted Working Space, Add* | *20.60* | |
| | | *For Galvanized Fittings, Add* | *50.06* | |
| 23 21 13 23-1610 | EA | 5", Ductile Iron, Grooved 90 Degree Long Radius Elbow | 1,154.83 | 57.23 |
| | | *For Work In Restricted Working Space, Add* | *25.75* | |
| | | *For Galvanized Fittings, Add* | *256.56* | |
| 23 21 13 23-1611 | EA | 6", Ductile Iron, Grooved 90 Degree Long Radius Elbow | 722.41 | 74.91 |
| | | *For Work In Restricted Working Space, Add* | *33.68* | |
| | | *For Galvanized Fittings, Add* | *146.43* | |
| 23 21 13 23-1612 | EA | 8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow | 1,597.17 | 89.15 |
| | | *For Work In Restricted Working Space, Add* | *40.10* | |
| | | *For Galvanized Fittings, Add* | *351.24* | |
| 23 21 13 23-1613 | EA | 10", Ductile Iron, Grooved 90 Degree Long Radius Elbow | 3,190.40 | 104.01 |
| | | *For Work In Restricted Working Space, Add* | *46.79* | |
| | | *For Galvanized Fittings, Add* | *728.27* | |
| 23 21 13 23-1614 | EA | 12", Ductile Iron, Grooved 90 Degree Long Radius Elbow | 3,805.72 | 124.82 |
| | | *For Work In Restricted Working Space, Add* | *56.14* | |
| | | *For Galvanized Fittings, Add* | *868.46* | |

### 23 21 13 23-1615 Grooved Tees, Wyes And Crosses *(23 21 13 23-1529)*

### 23 21 13 23-1616 Grooved Tees *(23 21 13 23-1615)*

Note: Victaulic No. 20

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1617 | EA | 3/4", Ductile Iron, Grooved Tee | 116.24 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| | | *For Galvanized Fittings, Add* | *27.92* | |
| 23 21 13 23-1618 | EA | 1", Ductile Iron, Grooved Tee | 119.74 | 17.79 |
| | | *For Work In Restricted Working Space, Add* | *8.00* | |
| | | *For Galvanized Fittings, Add* | *27.92* | |
| 23 21 13 23-1619 | EA | 1-1/4", Ductile Iron, Grooved Tee | 125.68 | 21.78 |
| | | *For Work In Restricted Working Space, Add* | *9.79* | |
| | | *For Galvanized Fittings, Add* | *27.92* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1620 | EA | 1-1/2", Ductile Iron, Grooved Tee | 133.09 | 26.73 |
| | | *For Work In Restricted Working Space, Add* | *12.01* | |
| | | *For Galvanized Fittings, Add* | *27.92* | |
| 23 21 13 23-1621 | EA | 2", Ductile Iron, Grooved Tee | 144.87 | 34.60 |
| | | *For Work In Restricted Working Space, Add* | *15.54* | |
| | | *For Galvanized Fittings, Add* | *27.92* | |
| 23 21 13 23-1622 | EA | 2-1/2", Ductile Iron, Grooved Tee | 156.63 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.07* | |
| | | *For Galvanized Fittings, Add* | *27.92* | |
| 23 21 13 23-1623 | EA | 3", Ductile Iron, Grooved Tee | 208.37 | 52.07 |
| | | *For Work In Restricted Working Space, Add* | *23.40* | |
| | | *For Galvanized Fittings, Add* | *39.11* | |
| 23 21 13 23-1624 | EA | 4", Ductile Iron, Grooved Tee | 300.92 | 67.37 |
| | | *For Work In Restricted Working Space, Add* | *30.29* | |
| | | *For Galvanized Fittings, Add* | *59.99* | |
| 23 21 13 23-1625 | EA | 5", Ductile Iron, Grooved Tee | 601.19 | 88.07 |
| | | *For Work In Restricted Working Space, Add* | *39.61* | |
| | | *For Galvanized Fittings, Add* | *140.75* | |
| 23 21 13 23-1626 | EA | 6", Ductile Iron, Grooved Tee | 707.34 | 110.16 |
| | | *For Work In Restricted Working Space, Add* | *49.54* | |
| | | *For Galvanized Fittings, Add* | *162.66* | |
| 23 21 13 23-1627 | EA | 8", Ductile Iron, Grooved Tee | 1,384.90 | 133.77 |
| | | *For Work In Restricted Working Space, Add* | *60.15* | |
| | | *For Galvanized Fittings, Add* | *355.32* | |
| 23 21 13 23-1628 | EA | 10", Ductile Iron, Grooved Tee | 2,348.92 | 155.97 |
| | | *For Work In Restricted Working Space, Add* | *70.18* | |
| | | *For Galvanized Fittings, Add* | *634.50* | |
| 23 21 13 23-1629 | EA | 12", Ductile Iron, Grooved Tee | 3,241.69 | 187.24 |
| | | *For Work In Restricted Working Space, Add* | *84.21* | |
| | | *For Galvanized Fittings, Add* | *888.30* | |
| 23 21 13 23-1630 | EA | 14", Steel, Grooved Tee | 3,542.08 | 208.04 |
| | | *For Work In Restricted Working Space, Add* | *93.57* | |
| | | *For Galvanized Fittings, Add* | *969.05* | |
| 23 21 13 23-1631 | EA | 16", Steel, Grooved Tee | 4,428.30 | 209.22 |
| | | *For Work In Restricted Working Space, Add* | *94.10* | |
| | | *For Galvanized Fittings, Add* | *1,234.39* | |
| 23 21 13 23-1632 | EA | 18", Steel, Grooved Tee | 5,498.88 | 230.78 |
| | | *For Work In Restricted Working Space, Add* | *103.79* | |
| | | *For Galvanized Fittings, Add* | *1,545.87* | |
| 23 21 13 23-1633 | EA | 20", Steel, Grooved Tee | 7,734.69 | 234.45 |
| | | *For Work In Restricted Working Space, Add* | *105.43* | |
| | | *For Galvanized Fittings, Add* | *2,214.98* | |
| 23 21 13 23-1634 | EA | 24", Steel, Grooved Tee | 11,775.93 | 288.02 |
| | | *For Work In Restricted Working Space, Add* | *129.56* | |
| | | *For Galvanized Fittings, Add* | *3,403.22* | |

## 23 21 13 23-1635 Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1615)*

Note: Victaulic No. 33

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1636 | EA | 1", Steel, Grooved Wye | 419.33 | 17.79 |
| | | *For Work In Restricted Working Space, Add* | *8.00* | |
| | | *For Galvanized Fittings, Add* | *62.82* | |
| 23 21 13 23-1637 | EA | 1-1/4", Steel, Grooved Wye | 425.27 | 21.78 |
| | | *For Work In Restricted Working Space, Add* | *9.79* | |
| | | *For Galvanized Fittings, Add* | *62.82* | |
| 23 21 13 23-1638 | EA | 1-1/2", Steel, Grooved Wye | 432.68 | 26.73 |
| | | *For Work In Restricted Working Space, Add* | *12.01* | |
| | | *For Galvanized Fittings, Add* | *62.82* | |
| 23 21 13 23-1639 | EA | 2", Steel, Grooved Wye | 444.46 | 34.60 |
| | | *For Work In Restricted Working Space, Add* | *15.54* | |
| | | *For Galvanized Fittings, Add* | *62.82* | |
| 23 21 13 23-1640 | EA | 2-1/2", Steel, Grooved Wye | 456.22 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.07* | |
| | | *For Galvanized Fittings, Add* | *62.82* | |
| 23 21 13 23-1641 | EA | 3", Steel, Grooved Wye | 547.36 | 52.07 |
| | | *For Work In Restricted Working Space, Add* | *23.40* | |
| | | *For Galvanized Fittings, Add* | *75.10* | |
| 23 21 13 23-1642 | EA | 4", Steel, Grooved Wye | 715.72 | 67.37 |
| | | *For Work In Restricted Working Space, Add* | *30.29* | |
| | | *For Galvanized Fittings, Add* | *98.36* | |
| 23 21 13 23-1643 | EA | 5", Steel, Grooved Wye | 1,013.21 | 88.07 |
| | | *For Work In Restricted Working Space, Add* | *39.61* | |
| | | *For Galvanized Fittings, Add* | *140.99* | |
| 23 21 13 23-1644 | EA | 6", Steel, Grooved Wye | 1,255.39 | 110.16 |
| | | *For Work In Restricted Working Space, Add* | *49.54* | |
| | | *For Galvanized Fittings, Add* | *174.44* | |
| 23 21 13 23-1645 | EA | 8", Steel, Grooved Wye | 1,770.78 | 133.77 |
| | | *For Work In Restricted Working Space, Add* | *60.15* | |
| | | *For Galvanized Fittings, Add* | *251.24* | |
| 23 21 13 23-1646 | EA | 10", Steel, Grooved Wye | 2,944.19 | 155.97 |
| | | *For Work In Restricted Working Space, Add* | *70.18* | |
| | | *For Galvanized Fittings, Add* | *433.64* | |
| 23 21 13 23-1647 | EA | 12", Steel, Grooved Wye | 3,274.92 | 187.24 |
| | | *For Work In Restricted Working Space, Add* | *84.21* | |
| | | *For Galvanized Fittings, Add* | *479.08* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1648 | EA | 14", Steel, Grooved Wye | 3,730.96 | 208.04 |
| | | *For Work In Restricted Working Space, Add* | *93.57* | |
| | | *For Galvanized Fittings, Add* | *547.05* | |
| 23 21 13 23-1649 | EA | 16", Steel, Grooved Wye | 4,754.28 | 209.00 |
| | | *For Work In Restricted Working Space, Add* | *94.01* | |
| | | *For Galvanized Fittings, Add* | *710.55* | |
| 23 21 13 23-1650 | EA | 18", Steel, Grooved Wye | 5,426.26 | 230.99 |
| | | *For Work In Restricted Working Space, Add* | *103.91* | |
| | | *For Galvanized Fittings, Add* | *812.78* | |
| 23 21 13 23-1651 | EA | 20", Steel, Grooved Wye | 7,718.45 | 234.01 |
| | | *For Work In Restricted Working Space, Add* | *105.26* | |
| | | *For Galvanized Fittings, Add* | *1,178.81* | |
| 23 21 13 23-1652 | EA | 24", Steel, Grooved Wye | 11,886.37 | 288.02 |
| | | *For Work In Restricted Working Space, Add* | *129.56* | |
| | | *For Galvanized Fittings, Add* | *1,832.72* | |

## 23 21 13 23-1653 Grooved Crosses *(23 21 13 23-1615)*

Note: Victaulic No. 35

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1654 | EA | 3/4", Steel, Grooved Cross | 288.97 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| | | *For Galvanized Fittings, Add* | *38.13* | |
| 23 21 13 23-1655 | EA | 1", Steel, Grooved Cross | 294.24 | 26.73 |
| | | *For Work In Restricted Working Space, Add* | *12.01* | |
| | | *For Galvanized Fittings, Add* | *38.13* | |
| 23 21 13 23-1656 | EA | 1-1/4", Steel, Grooved Cross | 355.74 | 32.66 |
| | | *For Work In Restricted Working Space, Add* | *14.68* | |
| | | *For Galvanized Fittings, Add* | *46.02* | |
| 23 21 13 23-1657 | EA | 1-1/2", Steel, Grooved Cross | 390.65 | 40.10 |
| | | *For Work In Restricted Working Space, Add* | *18.01* | |
| | | *For Galvanized Fittings, Add* | *49.59* | |
| 23 21 13 23-1658 | EA | 2", Steel, Grooved Cross | 264.54 | 51.85 |
| | | *For Work In Restricted Working Space, Add* | *23.31* | |
| | | *For Galvanized Fittings, Add* | *28.03* | |
| 23 21 13 23-1659 | EA | 2-1/2", Steel, Grooved Cross | 282.20 | 63.60 |
| | | *For Work In Restricted Working Space, Add* | *28.61* | |
| | | *For Galvanized Fittings, Add* | *28.03* | |
| 23 21 13 23-1660 | EA | 3", Steel, Grooved Cross | 452.76 | 78.05 |
| | | *For Work In Restricted Working Space, Add* | *35.11* | |
| | | *For Galvanized Fittings, Add* | *50.36* | |
| 23 21 13 23-1661 | EA | 4", Steel, Grooved Cross | 710.32 | 101.00 |
| | | *For Work In Restricted Working Space, Add* | *45.44* | |
| | | *For Galvanized Fittings, Add* | *83.83* | |
| 23 21 13 23-1662 | EA | 5", Steel, Grooved Cross | 1,339.78 | 132.05 |
| | | *For Work In Restricted Working Space, Add* | *59.41* | |
| | | *For Galvanized Fittings, Add* | *171.26* | |
| 23 21 13 23-1663 | EA | 6", Steel, Grooved Cross | 1,716.64 | 165.25 |
| | | *For Work In Restricted Working Space, Add* | *74.30* | |
| | | *For Galvanized Fittings, Add* | *220.34* | |
| 23 21 13 23-1664 | EA | 8", Steel, Grooved Cross | 2,235.38 | 200.60 |
| | | *For Work In Restricted Working Space, Add* | *90.23* | |
| | | *For Galvanized Fittings, Add* | *290.19* | |
| 23 21 13 23-1665 | EA | 10", Steel, Grooved Cross | 3,650.48 | 234.01 |
| | | *For Work In Restricted Working Space, Add* | *105.26* | |
| | | *For Galvanized Fittings, Add* | *494.94* | |
| 23 21 13 23-1666 | EA | 12", Steel, Grooved Cross | 5,182.65 | 280.90 |
| | | *For Work In Restricted Working Space, Add* | *126.32* | |
| | | *For Galvanized Fittings, Add* | *714.24* | |
| 23 21 13 23-1667 | EA | 14", Steel, Grooved Cross | 5,401.09 | 312.05 |
| | | *For Work In Restricted Working Space, Add* | *140.35* | |
| | | *For Galvanized Fittings, Add* | *739.99* | |
| 23 21 13 23-1668 | EA | 16", Steel, Grooved Cross | 6,924.02 | 313.88 |
| | | *For Work In Restricted Working Space, Add* | *141.16* | |
| | | *For Galvanized Fittings, Add* | *968.02* | |
| 23 21 13 23-1669 | EA | 18", Steel, Grooved Cross | 8,429.37 | 346.12 |
| | | *For Work In Restricted Working Space, Add* | *155.68* | |
| | | *For Galvanized Fittings, Add* | *1,186.57* | |
| 23 21 13 23-1670 | EA | 20", Steel, Grooved Cross | 11,733.91 | 351.51 |
| | | *For Work In Restricted Working Space, Add* | *158.12* | |
| | | *For Galvanized Fittings, Add* | *1,681.03* | |
| 23 21 13 23-1671 | EA | 24", Steel, Grooved Cross | 17,948.70 | 432.03 |
| | | *For Work In Restricted Working Space, Add* | *194.33* | |
| | | *For Galvanized Fittings, Add* | *2,595.14* | |

## 23 21 13 23-1672 Grooved Reducing Tees *(23 21 13 23-1615)*

Note: Victaulic No. 25

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1673 | EA | 1", Steel, Grooved Reducing Tee | 206.24 | 17.79 |
| | | *For Work In Restricted Working Space, Add* | *8.00* | |
| | | *For Galvanized Fittings, Add* | *35.91* | |
| 23 21 13 23-1674 | EA | 1-1/4", Steel, Grooved Reducing Tee | 217.82 | 21.78 |
| | | *For Work In Restricted Working Space, Add* | *9.79* | |
| | | *For Galvanized Fittings, Add* | *37.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1675 | EA | 1-1/2", Steel, Grooved Reducing Tee | 229.84 | 26.73 |
| | | *For Work In Restricted Working Space, Add* | *12.01* | |
| | | *For Galvanized Fittings, Add* | *37.96* | |
| 23 21 13 23-1676 | EA | 2", Steel, Grooved Reducing Tee | 274.03 | 34.60 |
| | | *For Work In Restricted Working Space, Add* | *15.54* | |
| | | *For Galvanized Fittings, Add* | *44.44* | |
| 23 21 13 23-1677 | EA | 2-1/2", Steel, Grooved Reducing Tee | 308.65 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.07* | |
| | | *For Galvanized Fittings, Add* | *49.02* | |
| 23 21 13 23-1678 | EA | 3", Steel, Grooved Reducing Tee | 346.27 | 52.07 |
| | | *For Work In Restricted Working Space, Add* | *23.40* | |
| | | *For Galvanized Fittings, Add* | *53.65* | |
| 23 21 13 23-1679 | EA | 4", Steel, Grooved Reducing Tee | 462.74 | 67.37 |
| | | *For Work In Restricted Working Space, Add* | *30.29* | |
| | | *For Galvanized Fittings, Add* | *72.36* | |
| 23 21 13 23-1680 | EA | 5", Steel, Grooved Reducing Tee | 609.75 | 88.07 |
| | | *For Work In Restricted Working Space, Add* | *39.61* | |
| | | *For Galvanized Fittings, Add* | *95.54* | |
| 23 21 13 23-1681 | EA | 6", Steel, Grooved Reducing Tee | 837.14 | 110.16 |
| | | *For Work In Restricted Working Space, Add* | *49.54* | |
| | | *For Galvanized Fittings, Add* | *134.40* | |
| 23 21 13 23-1682 | EA | 8", Steel, Grooved Reducing Tee | 1,309.32 | 133.77 |
| | | *For Work In Restricted Working Space, Add* | *60.15* | |
| | | *For Galvanized Fittings, Add* | *221.76* | |
| 23 21 13 23-1683 | EA | 10", Steel, Grooved Reducing Tee | 1,868.55 | 155.97 |
| | | *For Work In Restricted Working Space, Add* | *70.18* | |
| | | *For Galvanized Fittings, Add* | *326.93* | |
| 23 21 13 23-1684 | EA | 12", Steel, Grooved Reducing Tee | 2,692.05 | 187.24 |
| | | *For Work In Restricted Working Space, Add* | *84.21* | |
| | | *For Galvanized Fittings, Add* | *482.27* | |
| 23 21 13 23-1685 | EA | 14", Steel, Grooved Reducing Tee | 3,050.68 | 208.04 |
| | | *For Work In Restricted Working Space, Add* | *93.57* | |
| | | *For Galvanized Fittings, Add* | *547.76* | |
| 23 21 13 23-1686 | EA | 16", Steel, Grooved Reducing Tee | 3,871.31 | 209.22 |
| | | *For Work In Restricted Working Space, Add* | *94.11* | |
| | | *For Galvanized Fittings, Add* | *711.52* | |
| 23 21 13 23-1687 | EA | 18", Steel, Grooved Reducing Tee | 4,701.32 | 230.78 |
| | | *For Work In Restricted Working Space, Add* | *103.78* | |
| | | *For Galvanized Fittings, Add* | *871.08* | |
| 23 21 13 23-1688 | EA | 20", Steel, Grooved Reducing Tee | 6,580.35 | 234.34 |
| | | *For Work In Restricted Working Space, Add* | *105.40* | |
| | | *For Galvanized Fittings, Add* | *1,245.80* | |
| 23 21 13 23-1689 | EA | 24", Steel, Grooved Reducing Tee | 10,465.50 | 288.02 |
| | | *For Work In Restricted Working Space, Add* | *129.56* | |
| | | *For Galvanized Fittings, Add* | *2,006.73* | |

### 23 21 13 23-1690 Grooved 45 Degree Lateral Wyes *(23 21 13 23-1615)*

Note: Victaulic No. 30

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1691 | EA | 3/4", Steel, Grooved, 45 Degree Lateral Wye | 395.02 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| | | *For Galvanized Fittings, Add* | *66.93* | |
| 23 21 13 23-1692 | EA | 1", Steel, Grooved, 45 Degree Lateral Wye | 398.52 | 17.79 |
| | | *For Work In Restricted Working Space, Add* | *8.00* | |
| | | *For Galvanized Fittings, Add* | *66.93* | |
| 23 21 13 23-1693 | EA | 1-1/4", Steel, Grooved, 45 Degree Lateral Wye | 404.46 | 21.78 |
| | | *For Work In Restricted Working Space, Add* | *9.79* | |
| | | *For Galvanized Fittings, Add* | *66.93* | |
| 23 21 13 23-1694 | EA | 1-1/2", Steel, Grooved, 45 Degree Lateral Wye | 411.87 | 26.73 |
| | | *For Work In Restricted Working Space, Add* | *12.01* | |
| | | *For Galvanized Fittings, Add* | *66.93* | |
| 23 21 13 23-1695 | EA | 2", Steel, Grooved, 45 Degree Lateral Wye | 423.65 | 34.60 |
| | | *For Work In Restricted Working Space, Add* | *15.54* | |
| | | *For Galvanized Fittings, Add* | *66.93* | |
| 23 21 13 23-1696 | EA | 2-1/2", Steel, Grooved, 45 Degree Lateral Wye | 435.41 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.07* | |
| | | *For Galvanized Fittings, Add* | *66.93* | |
| 23 21 13 23-1697 | EA | 3", Steel, Grooved, 45 Degree Lateral Wye | 399.25 | 52.07 |
| | | *For Work In Restricted Working Space, Add* | *23.40* | |
| | | *For Galvanized Fittings, Add* | *57.82* | |
| 23 21 13 23-1698 | EA | 3-1/2", Steel, Grooved, 45 Degree Lateral Wye | 634.19 | 60.03 |
| | | *For Work In Restricted Working Space, Add* | *26.98* | |
| | | *For Galvanized Fittings, Add* | *97.97* | |
| 23 21 13 23-1699 | EA | 4", Steel, Grooved, 45 Degree Lateral Wye | 734.48 | 67.37 |
| | | *For Work In Restricted Working Space, Add* | *30.29* | |
| | | *For Galvanized Fittings, Add* | *114.03* | |
| 23 21 13 23-1700 | EA | 5", Steel, Grooved, 45 Degree Lateral Wye | 1,057.91 | 88.07 |
| | | *For Work In Restricted Working Space, Add* | *39.61* | |
| | | *For Galvanized Fittings, Add* | *166.66* | |
| 23 21 13 23-1701 | EA | 6", Steel, Grooved, 45 Degree Lateral Wye | 1,656.87 | 110.16 |
| | | *For Work In Restricted Working Space, Add* | *49.54* | |
| | | *For Galvanized Fittings, Add* | *268.51* | |
| 23 21 13 23-1702 | EA | 8", Steel, Grooved, 45 Degree Lateral Wye | 2,349.15 | 133.77 |
| | | *For Work In Restricted Working Space, Add* | *60.15* | |
| | | *For Galvanized Fittings, Add* | *386.76* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1703 | EA | 10", Steel, Grooved, 45 Degree Lateral Wye | 3,266.69 | 155.97 |
| | | *For Work In Restricted Working Space, Add* | *70.18* | |
| | | *For Galvanized Fittings, Add* | *545.90* | |
| 23 21 13 23-1704 | EA | 12", Steel, Grooved, 45 Degree Lateral Wye | 3,947.46 | 187.24 |
| | | *For Work In Restricted Working Space, Add* | *84.21* | |
| | | *For Galvanized Fittings, Add* | *660.02* | |
| 23 21 13 23-1705 | EA | 14", Steel, Grooved, 45 Degree Lateral Wye | 5,663.77 | 208.04 |
| | | *For Work In Restricted Working Space, Add* | *93.57* | |
| | | *For Galvanized Fittings, Add* | *963.34* | |
| 23 21 13 23-1706 | EA | 16", Steel, Grooved, 45 Degree Lateral Wye | 6,999.64 | 209.22 |
| | | *For Work In Restricted Working Space, Add* | *94.11* | |
| | | *For Galvanized Fittings, Add* | *1,203.47* | |
| 23 21 13 23-1707 | EA | 18", Steel, Grooved, 45 Degree Lateral Wye | 7,819.98 | 230.78 |
| | | *For Work In Restricted Working Space, Add* | *103.78* | |
| | | *For Galvanized Fittings, Add* | *1,345.33* | |
| 23 21 13 23-1708 | EA | 20", Steel, Grooved, 45 Degree Lateral Wye | 11,688.24 | 234.34 |
| | | *For Work In Restricted Working Space, Add* | *105.40* | |
| | | *For Galvanized Fittings, Add* | *2,040.64* | |
| 23 21 13 23-1709 | EA | 24", Steel, Grooved, 45 Degree Lateral Wye | 18,048.55 | 288.02 |
| | | *For Work In Restricted Working Space, Add* | *129.56* | |
| | | *For Galvanized Fittings, Add* | *3,171.00* | |

## 23 21 13 23-1710 Grooved 45 Degree Lateral Reducing Wyes *(23 21 13 23-1615)*

Note: Victaulic No. 30R

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1711 | EA | 3", Steel, Grooved 45 Degree Lateral Reducing Wye | 399.25 | 52.07 |
| | | *For Work In Restricted Working Space, Add* | *23.40* | |
| | | *For Galvanized Fittings, Add* | *41.76* | |
| 23 21 13 23-1712 | EA | 4", Steel, Grooved 45 Degree Lateral Reducing Wye | 734.48 | 67.37 |
| | | *For Work In Restricted Working Space, Add* | *30.29* | |
| | | *For Galvanized Fittings, Add* | *82.36* | |
| 23 21 13 23-1713 | EA | 5", Steel, Grooved 45 Degree Lateral Reducing Wye | 1,057.91 | 88.07 |
| | | *For Work In Restricted Working Space, Add* | *39.61* | |
| | | *For Galvanized Fittings, Add* | *120.36* | |
| 23 21 13 23-1714 | EA | 6", Steel, Grooved 45 Degree Lateral Reducing Wye | 1,361.35 | 110.16 |
| | | *For Work In Restricted Working Space, Add* | *49.54* | |
| | | *For Galvanized Fittings, Add* | *155.51* | |
| 23 21 13 23-1715 | EA | 8", Steel, Grooved 45 Degree Lateral Reducing Wye | 1,927.36 | 133.77 |
| | | *For Work In Restricted Working Space, Add* | *60.15* | |
| | | *For Galvanized Fittings, Add* | *224.49* | |
| 23 21 13 23-1716 | EA | 10", Steel, Grooved 45 Degree Lateral Reducing Wye | 2,348.84 | 155.97 |
| | | *For Work In Restricted Working Space, Add* | *70.18* | |
| | | *For Galvanized Fittings, Add* | *274.94* | |
| 23 21 13 23-1717 | EA | 12", Steel, Grooved 45 Degree Lateral Reducing Wye | 2,850.84 | 187.24 |
| | | *For Work In Restricted Working Space, Add* | *84.21* | |
| | | *For Galvanized Fittings, Add* | *334.12* | |
| 23 21 13 23-1718 | EA | 14", Steel, Grooved 45 Degree Lateral Reducing Wye | 3,191.11 | 208.04 |
| | | *For Work In Restricted Working Space, Add* | *93.57* | |
| | | *For Galvanized Fittings, Add* | *374.30* | |
| 23 21 13 23-1719 | EA | 16", Steel, Grooved 45 Degree Lateral Reducing Wye | 4,035.34 | 209.22 |
| | | *For Work In Restricted Working Space, Add* | *94.11* | |
| | | *For Galvanized Fittings, Add* | *483.81* | |
| 23 21 13 23-1720 | EA | 18", Steel, Grooved 45 Degree Lateral Reducing Wye | 6,060.50 | 230.78 |
| | | *For Work In Restricted Working Space, Add* | *103.78* | |
| | | *For Galvanized Fittings, Add* | *742.90* | |
| 23 21 13 23-1721 | EA | 20", Steel, Grooved 45 Degree Lateral Reducing Wye | 8,715.98 | 234.34 |
| | | *For Work In Restricted Working Space, Add* | *105.40* | |
| | | *For Galvanized Fittings, Add* | *1,087.40* | |
| 23 21 13 23-1722 | EA | 24", Steel, Grooved 45 Degree Lateral Reducing Wye | 13,974.54 | 288.02 |
| | | *For Work In Restricted Working Space, Add* | *129.56* | |
| | | *For Galvanized Fittings, Add* | *1,760.55* | |

## 23 21 13 23-1723 Mechanical-T Outlet *(23 21 13 23-1615)*

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1724 | EA | 2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet | 139.45 | 38.80 |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |
| | | *For Galvanized Fittings, Add* | *15.34* | |
| 23 21 13 23-1725 | EA | 2" x 1" Mechanical-T Outlet With Threaded Branch Outlet | 139.45 | 38.80 |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |
| | | *For Galvanized Fittings, Add* | *15.34* | |
| 23 21 13 23-1726 | EA | 2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet | 149.10 | 38.80 |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |
| | | *For Galvanized Fittings, Add* | *17.73* | |
| 23 21 13 23-1727 | EA | 2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet | 149.10 | 38.80 |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |
| 23 21 13 23-1728 | EA | 2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet | 149.15 | 43.66 |
| | | *For Work In Restricted Working Space, Add* | *26.19* | |
| 23 21 13 23-1729 | EA | 2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet | 149.15 | 43.66 |
| | | *For Work In Restricted Working Space, Add* | *26.19* | |
| 23 21 13 23-1730 | EA | 2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet | 174.63 | 43.66 |
| | | *For Work In Restricted Working Space, Add* | *26.19* | |
| 23 21 13 23-1731 | EA | 3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet | 168.22 | 48.50 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1732 | EA | 3" x 1" Mechanical-T Outlet With Threaded Branch Outlet | 168.22 | 48.50 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |
| 23 21 13 23-1733 | EA | 3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet | 188.74 | 48.50 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |
| 23 21 13 23-1734 | EA | 3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet | 188.74 | 48.50 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |
| 23 21 13 23-1735 | EA | 3" x 2" Mechanical-T Outlet With Threaded Branch Outlet | 202.79 | 48.50 |
| | | *For Work In Restricted Working Space, Add* | *29.10* | |
| 23 21 13 23-1736 | EA | 4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet | 220.14 | 64.68 |
| | | *For Work In Restricted Working Space, Add* | *38.81* | |
| 23 21 13 23-1737 | EA | 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet | 220.14 | 64.68 |
| | | *For Work In Restricted Working Space, Add* | *38.81* | |
| 23 21 13 23-1738 | EA | 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet | 236.16 | 64.68 |
| | | *For Work In Restricted Working Space, Add* | *38.81* | |
| 23 21 13 23-1739 | EA | 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet | 240.66 | 64.68 |
| | | *For Work In Restricted Working Space, Add* | *38.81* | |
| 23 21 13 23-1740 | EA | 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet | 240.66 | 64.68 |
| | | *For Work In Restricted Working Space, Add* | *38.81* | |
| 23 21 13 23-1741 | EA | 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet | 245.16 | 64.68 |
| | | *For Work In Restricted Working Space, Add* | *38.81* | |
| 23 21 13 23-1742 | EA | 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet | 253.78 | 64.68 |
| | | *For Work In Restricted Working Space, Add* | *38.81* | |
| 23 21 13 23-1743 | EA | 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet | 314.56 | 88.92 |
| | | *For Work In Restricted Working Space, Add* | *53.36* | |
| 23 21 13 23-1744 | EA | 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet | 314.56 | 88.92 |
| | | *For Work In Restricted Working Space, Add* | *53.36* | |
| 23 21 13 23-1745 | EA | 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet | 322.34 | 88.92 |
| | | *For Work In Restricted Working Space, Add* | *53.36* | |
| 23 21 13 23-1746 | EA | 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet | 332.08 | 88.92 |
| | | *For Work In Restricted Working Space, Add* | *53.36* | |
| 23 21 13 23-1747 | EA | 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet | 366.25 | 113.18 |
| | | *For Work In Restricted Working Space, Add* | *67.91* | |
| 23 21 13 23-1748 | EA | 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet | 366.25 | 113.18 |
| | | *For Work In Restricted Working Space, Add* | *67.91* | |
| 23 21 13 23-1749 | EA | 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet | 377.68 | 113.18 |
| | | *For Work In Restricted Working Space, Add* | *67.91* | |
| 23 21 13 23-1750 | EA | 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet | 387.33 | 113.18 |
| | | *For Work In Restricted Working Space, Add* | *67.91* | |
| 23 21 13 23-1751 | EA | 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet | 404.47 | 113.18 |
| | | *For Work In Restricted Working Space, Add* | *67.91* | |
| 23 21 13 23-1752 | EA | 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet | 547.20 | 149.82 |
| | | *For Work In Restricted Working Space, Add* | *89.90* | |
| 23 21 13 23-1753 | EA | 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet | 547.20 | 149.82 |
| | | *For Work In Restricted Working Space, Add* | *89.90* | |
| 23 21 13 23-1754 | EA | 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet | 560.97 | 149.82 |
| | | *For Work In Restricted Working Space, Add* | *89.90* | |
| 23 21 13 23-1755 | EA | 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet | 569.12 | 149.82 |
| | | *For Work In Restricted Working Space, Add* | *89.90* | |

### 23 21 13 23-1756 Installation-Ready™ Grooved Fittings *(23 21 13 23-1529)*

### 23 21 13 23-1757 Installation-Ready™ 90 Degree Grooved Elbows *(23 21 13 23-1756)*

Note: Victaulic No. 101

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1758 | EA | 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow | 271.10 | 10.67 |
| | | *For Work In Restricted Working Space, Add* | *4.85* | |
| | | *For Galvanized Fittings, Add* | *84.13* | |
| | | *For Galvanized Fittings, Add* | *65.26* | |
| 23 21 13 23-1759 | EA | 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow | 281.83 | 12.80 |
| | | *For Work In Restricted Working Space, Add* | *5.82* | |
| | | *For Galvanized Fittings, Add* | *86.60* | |
| | | *For Galvanized Fittings, Add* | *67.18* | |
| 23 21 13 23-1760 | EA | 2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow | 290.18 | 17.07 |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| | | *For Galvanized Fittings, Add* | *87.22* | |
| | | *For Galvanized Fittings, Add* | *67.66* | |
| 23 21 13 23-1761 | EA | 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow | 351.00 | 21.34 |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| | | *For Galvanized Fittings, Add* | *105.16* | |
| | | *For Galvanized Fittings, Add* | *81.58* | |

### 23 21 13 23-1762 Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1756)*

Note: Victaulic No. 103

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1763 | EA | 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow | 271.10 | 10.67 |
| | | *For Work In Restricted Working Space, Add* | *4.85* | |
| | | *For Galvanized Fittings, Add* | *61.18* | |
| | | *For Galvanized Fittings, Add* | *65.26* | |
| 23 21 13 23-1764 | EA | 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow | 281.83 | 12.80 |
| | | *For Work In Restricted Working Space, Add* | *5.82* | |
| | | *For Galvanized Fittings, Add* | *62.98* | |
| | | *For Galvanized Fittings, Add* | *67.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1765 | EA | 2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow | 290.18 | 17.07 |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| | | *For Galvanized Fittings, Add* | *63.43* | |
| | | *For Galvanized Fittings, Add* | *67.66* | |
| 23 21 13 23-1766 | EA | 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow | 351.00 | 21.34 |
| | | *For Work In Restricted Working Space, Add* | *9.70* | |
| | | *For Galvanized Fittings, Add* | *76.48* | |
| | | *For Galvanized Fittings, Add* | *81.58* | |

### 23 21 13 23-1767 Installation-Ready™ Grooved Tees *(23 21 13 23-1756)*

Note: Victaulic No. 102

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1768 | EA | 1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee | 415.21 | 14.23 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| | | *For Galvanized Fittings, Add* | *118.10* | |
| | | *For Galvanized Fittings, Add* | *100.77* | |
| 23 21 13 23-1769 | EA | 1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee | 432.64 | 17.07 |
| | | *For Work In Restricted Working Space, Add* | *7.76* | |
| | | *For Galvanized Fittings, Add* | *122.03* | |
| | | *For Galvanized Fittings, Add* | *104.13* | |
| 23 21 13 23-1770 | EA | 2" Ductile Iron, Grooved, Installation-Ready™ Tee | 446.88 | 22.76 |
| | | *For Work In Restricted Working Space, Add* | *10.35* | |
| | | *For Galvanized Fittings, Add* | *123.72* | |
| | | *For Galvanized Fittings, Add* | *105.57* | |
| 23 21 13 23-1771 | EA | 2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee | 519.24 | 28.46 |
| | | *For Work In Restricted Working Space, Add* | *12.93* | |
| | | *For Galvanized Fittings, Add* | *142.84* | |
| | | *For Galvanized Fittings, Add* | *121.89* | |

### 23 21 13 23-1772 Grooved Fittings *(23 21 13 23-1529)*

### 23 21 13 23-1773 Flanged Adapter Nipple, Grooved *(23 21 13 23-1772)*

Note: Victaulic No. 41 and 45

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1774 | EA | 1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 281.08 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *5.82* | |
| | | *For Galvanized Fittings, Add* | *47.10* | |
| | | *For 300 Lb. Rating, Add* | *39.25* | |
| 23 21 13 23-1775 | EA | 1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 283.24 | 14.33 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| | | *For Galvanized Fittings, Add* | *47.10* | |
| | | *For 300 Lb. Rating, Add* | *39.25* | |
| 23 21 13 23-1776 | EA | 1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 288.63 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| | | *For Galvanized Fittings, Add* | *47.10* | |
| | | *For 300 Lb. Rating, Add* | *39.25* | |
| 23 21 13 23-1777 | EA | 2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 299.97 | 25.54 |
| | | *For Work In Restricted Working Space, Add* | *11.49* | |
| | | *For Galvanized Fittings, Add* | *47.10* | |
| | | *For 300 Lb. Rating, Add* | *39.25* | |
| 23 21 13 23-1778 | EA | 2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 308.07 | 30.93 |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| | | *For Galvanized Fittings, Add* | *47.10* | |
| | | *For 300 Lb. Rating, Add* | *39.25* | |
| 23 21 13 23-1779 | EA | 3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 390.21 | 36.97 |
| | | *For Work In Restricted Working Space, Add* | *16.61* | |
| | | *For Galvanized Fittings, Add* | *60.27* | |
| | | *For 300 Lb. Rating, Add* | *50.23* | |
| 23 21 13 23-1780 | EA | 4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 473.96 | 49.80 |
| | | *For Work In Restricted Working Space, Add* | *22.39* | |
| | | *For Galvanized Fittings, Add* | *71.88* | |
| | | *For 300 Lb. Rating, Add* | *59.90* | |
| 23 21 13 23-1781 | EA | 5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 660.95 | 60.26 |
| | | *For Work In Restricted Working Space, Add* | *27.10* | |
| | | *For Galvanized Fittings, Add* | *102.71* | |
| | | *For 300 Lb. Rating, Add* | *85.59* | |
| 23 21 13 23-1782 | EA | 6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 773.08 | 81.38 |
| | | *For Work In Restricted Working Space, Add* | *36.61* | |
| | | *For Galvanized Fittings, Add* | *117.19* | |
| | | *For 300 Lb. Rating, Add* | *97.66* | |
| 23 21 13 23-1783 | EA | 8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 1,063.79 | 110.16 |
| | | *For Work In Restricted Working Space, Add* | *49.54* | |
| | | *For Galvanized Fittings, Add* | *161.76* | |
| | | *For 300 Lb. Rating, Add* | *134.80* | |
| 23 21 13 23-1784 | EA | 10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 1,666.98 | 133.77 |
| | | *For Work In Restricted Working Space, Add* | *60.15* | |
| | | *For Galvanized Fittings, Add* | *263.97* | |
| | | *For 300 Lb. Rating, Add* | *219.97* | |
| 23 21 13 23-1785 | EA | 12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 2,239.06 | 155.97 |
| | | *For Work In Restricted Working Space, Add* | *70.18* | |
| | | *For Galvanized Fittings, Add* | *360.93* | |
| | | *For 300 Lb. Rating, Add* | *300.77* | |
| 23 21 13 23-1786 | EA | 14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 2,645.30 | 187.24 |
| | | *For Work In Restricted Working Space, Add* | *84.21* | |
| | | *For Galvanized Fittings, Add* | *425.63* | |
| | | *For 300 Lb. Rating, Add* | *354.69* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1787 | EA | 16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 3,953.43 | 208.04 |
| | | *For Work In Restricted Working Space, Add* | *93.57* | |
| | | *For Galvanized Fittings, Add* | *655.48* | |
| | | *For 300 Lb. Rating, Add* | *546.23* | |
| 23 21 13 23-1788 | EA | 18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 4,745.11 | 312.05 |
| | | *For Work In Restricted Working Space, Add* | *140.35* | |
| | | *For Galvanized Fittings, Add* | *769.91* | |
| | | *For 300 Lb. Rating, Add* | *641.59* | |
| 23 21 13 23-1789 | EA | 20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 5,019.71 | 374.46 |
| | | *For Work In Restricted Working Space, Add* | *168.42* | |
| | | *For Galvanized Fittings, Add* | *802.49* | |
| | | *For 300 Lb. Rating, Add* | *668.75* | |
| 23 21 13 23-1790 | EA | 24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 8,314.91 | 416.07 |
| | | *For Work In Restricted Working Space, Add* | *187.14* | |
| | | *For Galvanized Fittings, Add* | *1,384.40* | |
| | | *For 300 Lb. Rating, Add* | *1,153.67* | |
| **23 21 13 23-1791** | | **Grooved Concentric Reducers** *(23 21 13 23-1772)* | | |
| | | Note: Victaulic No. 50 | | |
| 23 21 13 23-1792 | EA | 1-1/4" x 3/4", Grooved Concentric Reducer | 298.51 | 12.93 |
| | | *For Work In Restricted Working Space, Add* | *5.82* | |
| | | *For Galvanized Fittings, Add* | *12.28* | |
| 23 21 13 23-1793 | EA | 1-1/4" x 1", Grooved Concentric Reducer | 312.17 | 13.69 |
| | | *For Work In Restricted Working Space, Add* | *6.14* | |
| | | *For Galvanized Fittings, Add* | *12.83* | |
| 23 21 13 23-1794 | EA | 1-1/2" x 3/4", Grooved Concentric Reducer | 351.54 | 14.77 |
| | | *For Work In Restricted Working Space, Add* | *6.63* | |
| | | *For Galvanized Fittings, Add* | *39.60* | |
| 23 21 13 23-1795 | EA | 1-1/2" x 1", Grooved Concentric Reducer | 93.73 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| | | *For Galvanized Fittings, Add* | *8.48* | |
| 23 21 13 23-1796 | EA | 1-1/2" x 1-1/4", Grooved Concentric Reducer | 297.31 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *7.28* | |
| | | *For Galvanized Fittings, Add* | *32.82* | |
| 23 21 13 23-1797 | EA | 2" x 3/4", Grooved Concentric Reducer | 96.96 | 17.57 |
| | | *For Work In Restricted Working Space, Add* | *7.92* | |
| | | *For Galvanized Fittings, Add* | *8.48* | |
| 23 21 13 23-1798 | EA | 2" x 1", Grooved Concentric Reducer | 98.04 | 18.32 |
| | | *For Work In Restricted Working Space, Add* | *8.25* | |
| | | *For Galvanized Fittings, Add* | *8.48* | |
| 23 21 13 23-1799 | EA | 2" x 1-1/4", Grooved Concentric Reducer | 106.20 | 19.08 |
| | | *For Work In Restricted Working Space, Add* | *8.57* | |
| | | *For Galvanized Fittings, Add* | *9.33* | |
| 23 21 13 23-1800 | EA | 2" x 1-1/2", Grooved Concentric Reducer | 102.41 | 21.23 |
| | | *For Work In Restricted Working Space, Add* | *9.56* | |
| | | *For Galvanized Fittings, Add* | *8.48* | |
| 23 21 13 23-1801 | EA | 2-1/2" x 3/4", Grooved Concentric Reducer | 603.90 | 19.83 |
| | | *For Work In Restricted Working Space, Add* | *8.92* | |
| | | *For Galvanized Fittings, Add* | *69.01* | |
| 23 21 13 23-1802 | EA | 2-1/2" x 1", Grooved Concentric Reducer | 481.20 | 20.59 |
| | | *For Work In Restricted Working Space, Add* | *9.24* | |
| | | *For Galvanized Fittings, Add* | *54.14* | |
| 23 21 13 23-1803 | EA | 2-1/2" x 1-1/4", Grooved Concentric Reducer | 439.58 | 21.23 |
| | | *For Work In Restricted Working Space, Add* | *9.56* | |
| | | *For Galvanized Fittings, Add* | *49.01* | |
| 23 21 13 23-1804 | EA | 2-1/2" x 1-1/2", Grooved Concentric Reducer | 105.58 | 23.39 |
| | | *For Work In Restricted Working Space, Add* | *10.51* | |
| | | *For Galvanized Fittings, Add* | *8.48* | |
| 23 21 13 23-1805 | EA | 2-1/2" x 2", Grooved Concentric Reducer | 109.88 | 26.19 |
| | | *For Work In Restricted Working Space, Add* | *11.80* | |
| | | *For Galvanized Fittings, Add* | *8.48* | |
| 23 21 13 23-1806 | EA | 3" x 3/4", Grooved Concentric Reducer | 612.43 | 23.07 |
| | | *For Work In Restricted Working Space, Add* | *10.36* | |
| | | *For Galvanized Fittings, Add* | *87.84* | |
| 23 21 13 23-1807 | EA | 3" x 1", Grooved Concentric Reducer | 113.44 | 23.71 |
| | | *For Work In Restricted Working Space, Add* | *10.66* | |
| | | *For Galvanized Fittings, Add* | *11.84* | |
| 23 21 13 23-1808 | EA | 3" x 1-1/4", Grooved Concentric Reducer | 484.22 | 24.47 |
| | | *For Work In Restricted Working Space, Add* | *10.99* | |
| | | *For Galvanized Fittings, Add* | *68.04* | |
| 23 21 13 23-1809 | EA | 3" x 1-1/2", Grooved Concentric Reducer | 455.25 | 26.19 |
| | | *For Work In Restricted Working Space, Add* | *11.80* | |
| | | *For Galvanized Fittings, Add* | *63.22* | |
| 23 21 13 23-1810 | EA | 3" x 2", Grooved Concentric Reducer | 105.54 | 29.10 |
| | | *For Work In Restricted Working Space, Add* | *13.10* | |
| | | *For Galvanized Fittings, Add* | *9.41* | |
| 23 21 13 23-1811 | EA | 3" x 2-1/2", Grooved Concentric Reducer | 137.29 | 34.71 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| | | *For Galvanized Fittings, Add* | *12.96* | |
| 23 21 13 23-1812 | EA | 3-1/2" x 3", Grooved Concentric Reducer | 146.91 | 37.40 |
| | | *For Work In Restricted Working Space, Add* | *16.82* | |
| | | *For Galvanized Fittings, Add* | *13.81* | |
| 23 21 13 23-1813 | EA | 4" x 1", Grooved Concentric Reducer | 137.86 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| | | *For Galvanized Fittings, Add* | *16.06* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1814 | EA | 4" x 1-1/4", Grooved Concentric Reducer | 785.70 | 30.18 |
| | | *For Work In Restricted Working Space, Add* | *13.58* | |
| | | *For Galvanized Fittings, Add* | *126.98* | |
| 23 21 13 23-1815 | EA | 4" x 1-1/2", Grooved Concentric Reducer | 614.03 | 32.01 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| | | *For Galvanized Fittings, Add* | *97.08* | |
| 23 21 13 23-1816 | EA | 4" x 2", Grooved Concentric Reducer | 134.67 | 34.92 |
| | | *For Work In Restricted Working Space, Add* | *15.69* | |
| | | *For Galvanized Fittings, Add* | *14.13* | |
| 23 21 13 23-1817 | EA | 4" x 2-1/2", Grooved Concentric Reducer | 159.32 | 37.40 |
| | | *For Work In Restricted Working Space, Add* | *16.82* | |
| | | *For Galvanized Fittings, Add* | *17.71* | |
| 23 21 13 23-1818 | EA | 4" x 3", Grooved Concentric Reducer | 163.63 | 40.31 |
| | | *For Work In Restricted Working Space, Add* | *18.11* | |
| | | *For Galvanized Fittings, Add* | *17.71* | |
| 23 21 13 23-1819 | EA | 4" x 3-1/2", Grooved Concentric Reducer | 167.95 | 43.11 |
| | | *For Work In Restricted Working Space, Add* | *19.41* | |
| | | *For Galvanized Fittings, Add* | *17.71* | |
| 23 21 13 23-1820 | EA | 5" x 2", Grooved Concentric Reducer | 1,102.90 | 40.63 |
| | | *For Work In Restricted Working Space, Add* | *18.27* | |
| | | *For Galvanized Fittings, Add* | *178.70* | |
| 23 21 13 23-1821 | EA | 5" x 2-1/2", Grooved Concentric Reducer | 873.14 | 43.11 |
| | | *For Work In Restricted Working Space, Add* | *19.41* | |
| | | *For Galvanized Fittings, Add* | *138.65* | |
| 23 21 13 23-1822 | EA | 5" x 3", Grooved Concentric Reducer | 189.86 | 46.02 |
| | | *For Work In Restricted Working Space, Add* | *20.70* | |
| | | *For Galvanized Fittings, Add* | *20.73* | |
| 23 21 13 23-1823 | EA | 5" x 4", Grooved Concentric Reducer | 221.97 | 51.73 |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |
| | | *For Galvanized Fittings, Add* | *24.76* | |
| 23 21 13 23-1824 | EA | 6" x 1", Grooved Concentric Reducer | 257.74 | 43.87 |
| | | *For Work In Restricted Working Space, Add* | *19.73* | |
| | | *For Galvanized Fittings, Add* | *35.82* | |
| 23 21 13 23-1825 | EA | 6" x 1-1/2", Grooved Concentric Reducer | 1,165.09 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| | | *For Galvanized Fittings, Add* | *204.43* | |
| 23 21 13 23-1826 | EA | 6" x 2", Grooved Concentric Reducer | 265.80 | 49.26 |
| | | *For Work In Restricted Working Space, Add* | *22.15* | |
| | | *For Galvanized Fittings, Add* | *35.82* | |
| 23 21 13 23-1827 | EA | 6" x 2-1/2", Grooved Concentric Reducer | 1,179.43 | 51.73 |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |
| | | *For Galvanized Fittings, Add* | *205.60* | |
| 23 21 13 23-1828 | EA | 6" x 3", Grooved Concentric Reducer | 273.91 | 54.65 |
| | | *For Work In Restricted Working Space, Add* | *24.58* | |
| | | *For Galvanized Fittings, Add* | *35.82* | |
| 23 21 13 23-1829 | EA | 6" x 4", Grooved Concentric Reducer | 257.74 | 60.37 |
| | | *For Work In Restricted Working Space, Add* | *27.17* | |
| | | *For Galvanized Fittings, Add* | *31.20* | |
| 23 21 13 23-1830 | EA | 6" x 5", Grooved Concentric Reducer | 346.51 | 66.18 |
| | | *For Work In Restricted Working Space, Add* | *29.75* | |
| | | *For Galvanized Fittings, Add* | *46.15* | |
| 23 21 13 23-1831 | EA | 8" x 3", Grooved Concentric Reducer | 435.74 | 61.87 |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| | | *For Galvanized Fittings, Add* | *64.01* | |
| 23 21 13 23-1832 | EA | 8" x 4", Grooved Concentric Reducer | 444.34 | 67.59 |
| | | *For Work In Restricted Working Space, Add* | *30.39* | |
| | | *For Galvanized Fittings, Add* | *64.01* | |
| 23 21 13 23-1833 | EA | 8" x 5", Grooved Concentric Reducer | 452.99 | 73.30 |
| | | *For Work In Restricted Working Space, Add* | *32.99* | |
| | | *For Galvanized Fittings, Add* | *64.01* | |
| 23 21 13 23-1834 | EA | 8" x 6", Grooved Concentric Reducer | 560.33 | 81.92 |
| | | *For Work In Restricted Working Space, Add* | *36.86* | |
| | | *For Galvanized Fittings, Add* | *81.63* | |
| 23 21 13 23-1835 | EA | 10" x 4", Grooved Concentric Reducer | 929.40 | 75.13 |
| | | *For Work In Restricted Working Space, Add* | *33.80* | |
| | | *For Galvanized Fittings, Add* | *152.40* | |
| 23 21 13 23-1836 | EA | 10" x 5", Grooved Concentric Reducer | 1,921.67 | 80.85 |
| | | *For Work In Restricted Working Space, Add* | *36.38* | |
| | | *For Galvanized Fittings, Add* | *335.95* | |
| 23 21 13 23-1837 | EA | 10" x 6", Grooved Concentric Reducer | 1,027.36 | 89.47 |
| | | *For Work In Restricted Working Space, Add* | *40.26* | |
| | | *For Galvanized Fittings, Add* | *166.66* | |
| 23 21 13 23-1838 | EA | 10" x 8", Grooved Concentric Reducer | 1,038.12 | 96.69 |
| | | *For Work In Restricted Working Space, Add* | *43.49* | |
| | | *For Galvanized Fittings, Add* | *166.66* | |
| 23 21 13 23-1839 | EA | 12" x 4", Grooved Concentric Reducer | 2,831.97 | 85.59 |
| | | *For Work In Restricted Working Space, Add* | *38.48* | |
| | | *For Galvanized Fittings, Add* | *405.56* | |
| 23 21 13 23-1840 | EA | 12" x 6", Grooved Concentric Reducer | 1,215.08 | 99.92 |
| | | *For Work In Restricted Working Space, Add* | *44.94* | |
| | | *For Galvanized Fittings, Add* | *159.79* | |
| 23 21 13 23-1841 | EA | 12" x 8", Grooved Concentric Reducer | 1,760.80 | 107.15 |
| | | *For Work In Restricted Working Space, Add* | *48.18* | |
| | | *For Galvanized Fittings, Add* | *240.03* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1842 | EA | 12" x 10", Grooved Concentric Reducer | 1,772.18 | 114.69 |
| | | *For Work In Restricted Working Space, Add* | *51.59* | |
| | | *For Galvanized Fittings, Add* | *240.03* | |
| 23 21 13 23-1843 | EA | 14" x 6", Grooved Concentric Reducer | 5,590.96 | 107.68 |
| | | *For Work In Restricted Working Space, Add* | *48.44* | |
| | | *For Galvanized Fittings, Add* | *166.69* | |
| 23 21 13 23-1844 | EA | 14" x 8", Grooved Concentric Reducer | 3,359.21 | 114.90 |
| | | *For Work In Restricted Working Space, Add* | *51.69* | |
| | | *For Galvanized Fittings, Add* | *97.84* | |
| 23 21 13 23-1845 | EA | 14" x 10", Grooved Concentric Reducer | 2,874.42 | 122.45 |
| | | *For Work In Restricted Working Space, Add* | *55.07* | |
| | | *For Galvanized Fittings, Add* | *82.61* | |
| 23 21 13 23-1846 | EA | 14" x 12", Grooved Concentric Reducer | 2,890.02 | 132.80 |
| | | *For Work In Restricted Working Space, Add* | *59.75* | |
| | | *For Galvanized Fittings, Add* | *82.61* | |
| 23 21 13 23-1847 | EA | 16" x 8", Grooved Concentric Reducer | 5,094.05 | 122.56 |
| | | *For Work In Restricted Working Space, Add* | *55.15* | |
| | | *For Galvanized Fittings, Add* | *150.74* | |
| 23 21 13 23-1848 | EA | 16" x 10", Grooved Concentric Reducer | 4,734.92 | 130.10 |
| | | *For Work In Restricted Working Space, Add* | *58.54* | |
| | | *For Galvanized Fittings, Add* | *139.37* | |
| 23 21 13 23-1849 | EA | 16" x 12", Grooved Concentric Reducer | 4,387.41 | 140.56 |
| | | *For Work In Restricted Working Space, Add* | *63.21* | |
| | | *For Galvanized Fittings, Add* | *128.23* | |
| 23 21 13 23-1850 | EA | 16" x 14", Grooved Concentric Reducer | 4,399.05 | 148.32 |
| | | *For Work In Restricted Working Space, Add* | *66.70* | |
| | | *For Galvanized Fittings, Add* | *128.23* | |
| 23 21 13 23-1851 | EA | 18" x 10", Grooved Concentric Reducer | 6,616.40 | 137.32 |
| | | *For Work In Restricted Working Space, Add* | *61.76* | |
| | | *For Galvanized Fittings, Add* | *196.80* | |
| 23 21 13 23-1852 | EA | 18" x 12", Grooved Concentric Reducer | 6,001.51 | 147.67 |
| | | *For Work In Restricted Working Space, Add* | *66.43* | |
| | | *For Galvanized Fittings, Add* | *177.45* | |
| 23 21 13 23-1853 | EA | 18" x 14", Grooved Concentric Reducer | 5,465.79 | 155.44 |
| | | *For Work In Restricted Working Space, Add* | *69.93* | |
| | | *For Galvanized Fittings, Add* | *160.64* | |
| 23 21 13 23-1854 | EA | 18" x 16", Grooved Concentric Reducer | 5,477.43 | 163.30 |
| | | *For Work In Restricted Working Space, Add* | *73.43* | |
| | | *For Galvanized Fittings, Add* | *160.64* | |
| 23 21 13 23-1855 | EA | 20" x 10", Grooved Concentric Reducer | 7,277.72 | 140.88 |
| | | *For Work In Restricted Working Space, Add* | *63.36* | |
| | | *For Galvanized Fittings, Add* | *216.94* | |
| 23 21 13 23-1856 | EA | 20" x 12", Grooved Concentric Reducer | 6,251.55 | 151.34 |
| | | *For Work In Restricted Working Space, Add* | *68.05* | |
| | | *For Galvanized Fittings, Add* | *184.96* | |
| 23 21 13 23-1857 | EA | 20" x 14", Grooved Concentric Reducer | 6,263.20 | 159.10 |
| | | *For Work In Restricted Working Space, Add* | *71.54* | |
| | | *For Galvanized Fittings, Add* | *184.96* | |
| 23 21 13 23-1858 | EA | 20" x 16", Grooved Concentric Reducer | 5,594.96 | 166.75 |
| | | *For Work In Restricted Working Space, Add* | *74.99* | |
| | | *For Galvanized Fittings, Add* | *164.09* | |
| 23 21 13 23-1859 | EA | 20" x 18", Grooved Concentric Reducer | 5,960.63 | 173.97 |
| | | *For Work In Restricted Working Space, Add* | *78.26* | |
| | | *For Galvanized Fittings, Add* | *174.98* | |
| 23 21 13 23-1860 | EA | 24" x 10", Grooved Concentric Reducer | 15,981.72 | 156.72 |
| | | *For Work In Restricted Working Space, Add* | *70.48* | |
| | | *For Galvanized Fittings, Add* | *483.43* | |
| 23 21 13 23-1861 | EA | 24" x 12", Grooved Concentric Reducer | 15,617.14 | 167.18 |
| | | *For Work In Restricted Working Space, Add* | *75.20* | |
| | | *For Galvanized Fittings, Add* | *471.75* | |
| 23 21 13 23-1862 | EA | 24" x 14", Grooved Concentric Reducer | 13,622.16 | 174.84 |
| | | *For Work In Restricted Working Space, Add* | *78.64* | |
| | | *For Galvanized Fittings, Add* | *410.15* | |
| 23 21 13 23-1863 | EA | 24" x 16", Grooved Concentric Reducer | 13,633.88 | 182.70 |
| | | *For Work In Restricted Working Space, Add* | *82.16* | |
| | | *For Galvanized Fittings, Add* | *410.15* | |
| 23 21 13 23-1864 | EA | 24" x 18", Grooved Concentric Reducer | 11,688.09 | 189.82 |
| | | *For Work In Restricted Working Space, Add* | *85.37* | |
| | | *For Galvanized Fittings, Add* | *350.09* | |
| 23 21 13 23-1865 | EA | 24" x 20", Grooved Concentric Reducer | 10,683.48 | 193.48 |
| | | *For Work In Restricted Working Space, Add* | *87.02* | |
| | | *For Galvanized Fittings, Add* | *319.08* | |
| 23 21 13 23-1866 | | **Grooved Eccentric Reducers** *(23 21 13 23-1772)* | | |
| | | Note: Victaulic No. 51 | | |
| 23 21 13 23-1867 | EA | 1-1/2" x 3/4", Grooved Eccentric Reducer | 362.91 | 14.77 |
| | | *For Work In Restricted Working Space, Add* | *6.63* | |
| | | *For Galvanized Fittings, Add* | *40.97* | |
| 23 21 13 23-1868 | EA | 1-1/2" x 1", Grooved Eccentric Reducer | 330.81 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| | | *For Galvanized Fittings, Add* | *36.98* | |
| 23 21 13 23-1869 | EA | 1-1/2" x 1-1/4", Grooved Eccentric Reducer | 325.18 | 16.17 |
| | | *For Work In Restricted Working Space, Add* | *7.28* | |
| | | *For Galvanized Fittings, Add* | *36.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1870 | EA | 2" x 3/4", Grooved Eccentric Reducer | 688.64 | 17.57 |
| | | *For Work In Restricted Working Space, Add* | *7.92* | |
| | | *For Galvanized Fittings, Add* | *79.60* | |
| 23 21 13 23-1871 | EA | 2" x 1", Grooved Eccentric Reducer | 367.18 | 18.32 |
| | | *For Work In Restricted Working Space, Add* | *8.25* | |
| | | *For Galvanized Fittings, Add* | *40.83* | |
| 23 21 13 23-1872 | EA | 2" x 1-1/4", Grooved Eccentric Reducer | 400.97 | 19.08 |
| | | *For Work In Restricted Working Space, Add* | *8.57* | |
| | | *For Galvanized Fittings, Add* | *44.76* | |
| 23 21 13 23-1873 | EA | 2" x 1-1/2", Grooved Eccentric Reducer | 343.59 | 21.23 |
| | | *For Work In Restricted Working Space, Add* | *9.56* | |
| | | *For Galvanized Fittings, Add* | *37.47* | |
| 23 21 13 23-1874 | EA | 2-1/2" x 3/4", Grooved Eccentric Reducer | 894.20 | 19.83 |
| | | *For Work In Restricted Working Space, Add* | *8.92* | |
| | | *For Galvanized Fittings, Add* | *103.91* | |
| 23 21 13 23-1875 | EA | 2-1/2" x 1", Grooved Eccentric Reducer | 836.16 | 20.59 |
| | | *For Work In Restricted Working Space, Add* | *9.24* | |
| | | *For Galvanized Fittings, Add* | *96.81* | |
| 23 21 13 23-1876 | EA | 2-1/2" x 1-1/4", Grooved Eccentric Reducer | 499.59 | 21.23 |
| | | *For Work In Restricted Working Space, Add* | *9.56* | |
| | | *For Galvanized Fittings, Add* | *56.22* | |
| 23 21 13 23-1877 | EA | 2-1/2" x 1-1/2", Grooved Eccentric Reducer | 405.66 | 23.39 |
| | | *For Work In Restricted Working Space, Add* | *10.51* | |
| | | *For Galvanized Fittings, Add* | *44.55* | |
| 23 21 13 23-1878 | EA | 2-1/2" x 2", Grooved Eccentric Reducer | 188.62 | 26.19 |
| | | *For Work In Restricted Working Space, Add* | *11.80* | |
| | | *For Galvanized Fittings, Add* | *17.94* | |
| 23 21 13 23-1879 | EA | 3" x 1", Grooved Eccentric Reducer | 899.43 | 23.71 |
| | | *For Work In Restricted Working Space, Add* | *10.66* | |
| | | *For Galvanized Fittings, Add* | *103.84* | |
| 23 21 13 23-1880 | EA | 3" x 1-1/4", Grooved Eccentric Reducer | 818.69 | 24.47 |
| | | *For Work In Restricted Working Space, Add* | *10.99* | |
| | | *For Galvanized Fittings, Add* | *94.00* | |
| 23 21 13 23-1881 | EA | 3" x 1-1/2", Grooved Eccentric Reducer | 468.02 | 26.19 |
| | | *For Work In Restricted Working Space, Add* | *11.80* | |
| | | *For Galvanized Fittings, Add* | *51.53* | |
| 23 21 13 23-1882 | EA | 3" x 2", Grooved Eccentric Reducer | 215.23 | 29.10 |
| | | *For Work In Restricted Working Space, Add* | *13.10* | |
| | | *For Galvanized Fittings, Add* | *20.62* | |
| 23 21 13 23-1883 | EA | 3" x 2-1/2", Grooved Eccentric Reducer | 223.59 | 34.71 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| | | *For Galvanized Fittings, Add* | *20.62* | |
| 23 21 13 23-1884 | EA | 3-1/2" x 3", Grooved Eccentric Reducer | 1,005.22 | 37.40 |
| | | *For Work In Restricted Working Space, Add* | *16.82* | |
| | | *For Galvanized Fittings, Add* | *114.09* | |
| 23 21 13 23-1885 | EA | 4" x 1", Grooved Eccentric Reducer | 1,795.29 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| | | *For Galvanized Fittings, Add* | *300.31* | |
| 23 21 13 23-1886 | EA | 4" x 1-1/2", Grooved Eccentric Reducer | 1,107.02 | 32.01 |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| | | *For Galvanized Fittings, Add* | *181.63* | |
| 23 21 13 23-1887 | EA | 4" x 2", Grooved Eccentric Reducer | 262.07 | 34.92 |
| | | *For Work In Restricted Working Space, Add* | *15.69* | |
| | | *For Galvanized Fittings, Add* | *35.98* | |
| 23 21 13 23-1888 | EA | 4" x 2-1/2", Grooved Eccentric Reducer | 265.84 | 37.40 |
| | | *For Work In Restricted Working Space, Add* | *16.82* | |
| | | *For Galvanized Fittings, Add* | *35.98* | |
| 23 21 13 23-1889 | EA | 4" x 3", Grooved Eccentric Reducer | 270.15 | 40.31 |
| | | *For Work In Restricted Working Space, Add* | *18.11* | |
| | | *For Galvanized Fittings, Add* | *35.98* | |
| 23 21 13 23-1890 | EA | 5" x 2", Grooved Eccentric Reducer | 1,228.71 | 40.63 |
| | | *For Work In Restricted Working Space, Add* | *18.27* | |
| | | *For Galvanized Fittings, Add* | *200.28* | |
| 23 21 13 23-1891 | EA | 5" x 2-1/2", Grooved Eccentric Reducer | 1,059.62 | 43.11 |
| | | *For Work In Restricted Working Space, Add* | *19.41* | |
| | | *For Galvanized Fittings, Add* | *170.63* | |
| 23 21 13 23-1892 | EA | 5" x 3", Grooved Eccentric Reducer | 1,029.99 | 46.02 |
| | | *For Work In Restricted Working Space, Add* | *20.70* | |
| | | *For Galvanized Fittings, Add* | *164.81* | |
| 23 21 13 23-1893 | EA | 5" x 4", Grooved Eccentric Reducer | 363.34 | 51.73 |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |
| | | *For Galvanized Fittings, Add* | *49.00* | |
| 23 21 13 23-1894 | EA | 6" x 1", Grooved Eccentric Reducer | 1,881.15 | 43.87 |
| | | *For Work In Restricted Working Space, Add* | *19.73* | |
| | | *For Galvanized Fittings, Add* | *338.75* | |
| 23 21 13 23-1895 | EA | 6" x 2", Grooved Eccentric Reducer | 1,729.39 | 49.26 |
| | | *For Work In Restricted Working Space, Add* | *22.15* | |
| | | *For Galvanized Fittings, Add* | *308.93* | |
| 23 21 13 23-1896 | EA | 6" x 2-1/2", Grooved Eccentric Reducer | 2,049.01 | 51.73 |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |
| | | *For Galvanized Fittings, Add* | *367.86* | |
| 23 21 13 23-1897 | EA | 6" x 3", Grooved Eccentric Reducer | 462.34 | 54.65 |
| | | *For Work In Restricted Working Space, Add* | *24.58* | |
| | | *For Galvanized Fittings, Add* | *70.98* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1898 | EA | 6" x 4", Grooved Eccentric Reducer | 423.53 | 60.37 |
| | | *For Work In Restricted Working Space, Add* | *27.17* | |
| | | *For Galvanized Fittings, Add* | *62.13* | |
| 23 21 13 23-1899 | EA | 6" x 5", Grooved Eccentric Reducer | 498.60 | 66.18 |
| | | *For Work In Restricted Working Space, Add* | *29.75* | |
| | | *For Galvanized Fittings, Add* | *74.53* | |
| 23 21 13 23-1900 | EA | 8" x 3", Grooved Eccentric Reducer | 2,016.29 | 61.87 |
| | | *For Work In Restricted Working Space, Add* | *27.81* | |
| | | *For Galvanized Fittings, Add* | *358.94* | |
| 23 21 13 23-1901 | EA | 8" x 4", Grooved Eccentric Reducer | 1,782.40 | 67.59 |
| | | *For Work In Restricted Working Space, Add* | *30.39* | |
| | | *For Galvanized Fittings, Add* | *313.69* | |
| 23 21 13 23-1902 | EA | 8" x 5", Grooved Eccentric Reducer | 1,675.12 | 73.30 |
| | | *For Work In Restricted Working Space, Add* | *32.99* | |
| | | *For Galvanized Fittings, Add* | *292.06* | |
| 23 21 13 23-1903 | EA | 8" x 6", Grooved Eccentric Reducer | 798.06 | 81.92 |
| | | *For Work In Restricted Working Space, Add* | *36.86* | |
| | | *For Galvanized Fittings, Add* | *125.99* | |
| 23 21 13 23-1904 | EA | 10" x 4", Grooved Eccentric Reducer | 3,197.53 | 75.13 |
| | | *For Work In Restricted Working Space, Add* | *33.80* | |
| | | *For Galvanized Fittings, Add* | *575.64* | |
| 23 21 13 23-1905 | EA | 10" x 5", Grooved Eccentric Reducer | 3,027.68 | 80.85 |
| | | *For Work In Restricted Working Space, Add* | *36.38* | |
| | | *For Galvanized Fittings, Add* | *542.33* | |
| 23 21 13 23-1906 | EA | 10" x 6", Grooved Eccentric Reducer | 2,325.91 | 89.47 |
| | | *For Work In Restricted Working Space, Add* | *40.26* | |
| | | *For Galvanized Fittings, Add* | *408.97* | |
| 23 21 13 23-1907 | EA | 10" x 8", Grooved Eccentric Reducer | 1,999.96 | 96.69 |
| | | *For Work In Restricted Working Space, Add* | *43.49* | |
| | | *For Galvanized Fittings, Add* | *346.14* | |
| 23 21 13 23-1908 | EA | 12" x 4", Grooved Eccentric Reducer | 3,265.03 | 85.59 |
| | | *For Work In Restricted Working Space, Add* | *38.48* | |
| | | *For Galvanized Fittings, Add* | *473.34* | |
| 23 21 13 23-1909 | EA | 12" x 6", Grooved Eccentric Reducer | 3,077.72 | 99.92 |
| | | *For Work In Restricted Working Space, Add* | *44.94* | |
| | | *For Galvanized Fittings, Add* | *441.82* | |
| 23 21 13 23-1910 | EA | 12" x 8", Grooved Eccentric Reducer | 3,013.59 | 107.15 |
| | | *For Work In Restricted Working Space, Add* | *48.18* | |
| | | *For Galvanized Fittings, Add* | *430.52* | |
| 23 21 13 23-1911 | EA | 12" x 10", Grooved Eccentric Reducer | 2,727.41 | 114.69 |
| | | *For Work In Restricted Working Space, Add* | *51.59* | |
| | | *For Galvanized Fittings, Add* | *385.62* | |
| 23 21 13 23-1912 | EA | 14" x 6", Grooved Eccentric Reducer | 7,549.13 | 107.68 |
| | | *For Work In Restricted Working Space, Add* | *48.44* | |
| | | *For Galvanized Fittings, Add* | *226.80* | |
| 23 21 13 23-1913 | EA | 14" x 8", Grooved Eccentric Reducer | 4,895.40 | 114.90 |
| | | *For Work In Restricted Working Space, Add* | *51.69* | |
| | | *For Galvanized Fittings, Add* | *145.00* | |
| 23 21 13 23-1914 | EA | 14" x 10", Grooved Eccentric Reducer | 4,679.65 | 122.45 |
| | | *For Work In Restricted Working Space, Add* | *55.07* | |
| | | *For Galvanized Fittings, Add* | *138.03* | |
| 23 21 13 23-1915 | EA | 14" x 12", Grooved Eccentric Reducer | 4,695.25 | 132.80 |
| | | *For Work In Restricted Working Space, Add* | *59.75* | |
| | | *For Galvanized Fittings, Add* | *138.03* | |
| 23 21 13 23-1916 | EA | 16" x 8", Grooved Eccentric Reducer | 8,342.56 | 122.56 |
| | | *For Work In Restricted Working Space, Add* | *55.15* | |
| | | *For Galvanized Fittings, Add* | *250.47* | |
| 23 21 13 23-1917 | EA | 16" x 10", Grooved Eccentric Reducer | 7,734.42 | 130.10 |
| | | *For Work In Restricted Working Space, Add* | *58.54* | |
| | | *For Galvanized Fittings, Add* | *231.46* | |
| 23 21 13 23-1918 | EA | 16" x 12", Grooved Eccentric Reducer | 7,294.93 | 140.56 |
| | | *For Work In Restricted Working Space, Add* | *63.21* | |
| | | *For Galvanized Fittings, Add* | *217.49* | |
| 23 21 13 23-1919 | EA | 16" x 14", Grooved Eccentric Reducer | 7,306.57 | 148.32 |
| | | *For Work In Restricted Working Space, Add* | *66.70* | |
| | | *For Galvanized Fittings, Add* | *217.49* | |
| 23 21 13 23-1920 | EA | 18" x 10", Grooved Eccentric Reducer | 10,460.04 | 137.32 |
| | | *For Work In Restricted Working Space, Add* | *61.76* | |
| | | *For Galvanized Fittings, Add* | *314.80* | |
| 23 21 13 23-1921 | EA | 18" x 12", Grooved Eccentric Reducer | 9,850.09 | 147.67 |
| | | *For Work In Restricted Working Space, Add* | *66.43* | |
| | | *For Galvanized Fittings, Add* | *295.60* | |
| 23 21 13 23-1922 | EA | 18" x 14", Grooved Eccentric Reducer | 8,981.21 | 155.44 |
| | | *For Work In Restricted Working Space, Add* | *69.93* | |
| | | *For Galvanized Fittings, Add* | *268.57* | |
| 23 21 13 23-1923 | EA | 18" x 16", Grooved Eccentric Reducer | 8,992.85 | 163.30 |
| | | *For Work In Restricted Working Space, Add* | *73.43* | |
| | | *For Galvanized Fittings, Add* | *268.57* | |
| 23 21 13 23-1924 | EA | 20" x 10", Grooved Eccentric Reducer | 13,723.76 | 140.88 |
| | | *For Work In Restricted Working Space, Add* | *63.36* | |
| | | *For Galvanized Fittings, Add* | *414.84* | |
| 23 21 13 23-1925 | EA | 20" x 12", Grooved Eccentric Reducer | 10,221.94 | 151.34 |
| | | *For Work In Restricted Working Space, Add* | *68.05* | |
| | | *For Galvanized Fittings, Add* | *306.85* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1926 | EA | 20" x 14", Grooved Eccentric Reducer | 9,608.73 | 159.10 |
| | | *For Work In Restricted Working Space, Add* | *71.54* | |
| | | *For Galvanized Fittings, Add* | *287.67* | |
| 23 21 13 23-1927 | EA | 20" x 16", Grooved Eccentric Reducer | 9,468.61 | 166.75 |
| | | *For Work In Restricted Working Space, Add* | *74.99* | |
| | | *For Galvanized Fittings, Add* | *283.01* | |
| 23 21 13 23-1928 | EA | 20" x 18", Grooved Eccentric Reducer | 9,126.30 | 173.97 |
| | | *For Work In Restricted Working Space, Add* | *78.26* | |
| | | *For Galvanized Fittings, Add* | *272.17* | |
| 23 21 13 23-1929 | EA | 24" x 12", Grooved Eccentric Reducer | 19,811.84 | 167.18 |
| | | *For Work In Restricted Working Space, Add* | *75.20* | |
| | | *For Galvanized Fittings, Add* | *600.53* | |
| 23 21 13 23-1930 | EA | 24" x 14", Grooved Eccentric Reducer | 16,933.85 | 174.84 |
| | | *For Work In Restricted Working Space, Add* | *78.64* | |
| | | *For Galvanized Fittings, Add* | *511.82* | |
| 23 21 13 23-1931 | EA | 24" x 16", Grooved Eccentric Reducer | 16,945.57 | 182.70 |
| | | *For Work In Restricted Working Space, Add* | *82.16* | |
| | | *For Galvanized Fittings, Add* | *511.82* | |
| 23 21 13 23-1932 | EA | 24" x 18", Grooved Eccentric Reducer | 16,009.90 | 189.82 |
| | | *For Work In Restricted Working Space, Add* | *85.37* | |
| | | *For Galvanized Fittings, Add* | *482.77* | |
| 23 21 13 23-1933 | EA | 24" x 20", Grooved Eccentric Reducer | 14,640.26 | 193.48 |
| | | *For Work In Restricted Working Space, Add* | *87.02* | |
| | | *For Galvanized Fittings, Add* | *440.55* | |

### 23 21 13 23-1934 Grooved, Close Nipple *(23 21 13 23-1772)*

Note: Victaulic No. 143

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1935 | EA | 1-1/4" Ductile Iron, Grooved, Close Nipple | 63.42 | 14.23 |
| | | *For Work In Restricted Working Space, Add* | *6.47* | |
| | | *For Galvanized Fittings, Add* | *7.53* | |
| | | *For 300 Lb. Rating, Add* | *6.28* | |
| | | *For Galvanized Fittings, Add* | *10.72* | |
| 23 21 13 23-1936 | EA | 1-1/2" Ductile Iron, Grooved, Close Nipple | 72.56 | 17.79 |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| | | *For Galvanized Fittings, Add* | *8.21* | |
| | | *For 300 Lb. Rating, Add* | *6.84* | |
| | | *For Galvanized Fittings, Add* | *11.68* | |
| 23 21 13 23-1937 | EA | 2" Ductile Iron, Grooved, Close Nipple | 90.56 | 23.48 |
| | | *For Work In Restricted Working Space, Add* | *10.67* | |
| | | *For Galvanized Fittings, Add* | *9.90* | |
| | | *For 300 Lb. Rating, Add* | *8.25* | |
| | | *For Galvanized Fittings, Add* | *14.08* | |
| 23 21 13 23-1938 | EA | 2-1/2" Ductile Iron, Grooved, Close Nipple | 108.09 | 28.46 |
| | | *For Work In Restricted Working Space, Add* | *12.93* | |
| | | *For Galvanized Fittings, Add* | *11.70* | |
| | | *For 300 Lb. Rating, Add* | *9.75* | |
| | | *For Galvanized Fittings, Add* | *16.63* | |

### 23 21 13 23-1939 Grooved Caps *(23 21 13 23-1772)*

Note: Victaulic No. 60

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1940 | EA | 1" Carbon Steel Grooved Cap | 119.90 | 4.42 |
| | | *For Work In Restricted Working Space, Add* | *2.65* | |
| 23 21 13 23-1941 | EA | 1-1/4" Carbon Steel Grooved Cap | 122.07 | 5.50 |
| | | *For Work In Restricted Working Space, Add* | *3.30* | |
| 23 21 13 23-1942 | EA | 1-1/2" Carbon Steel Grooved Cap | 124.44 | 6.68 |
| | | *For Work In Restricted Working Space, Add* | *4.01* | |
| 23 21 13 23-1943 | EA | 2" Carbon Steel Grooved Cap | 128.64 | 8.83 |
| | | *For Work In Restricted Working Space, Add* | *5.27* | |
| 23 21 13 23-1944 | EA | 2-1/2" Carbon Steel Grooved Cap | 132.53 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.44* | |
| 23 21 13 23-1945 | EA | 3" Carbon Steel Grooved Cap | 137.05 | 13.04 |
| | | *For Work In Restricted Working Space, Add* | *7.79* | |
| 23 21 13 23-1946 | EA | 4" Carbon Steel Grooved Cap | 152.73 | 17.24 |
| | | *For Work In Restricted Working Space, Add* | *10.32* | |
| 23 21 13 23-1947 | EA | 5" Carbon Steel Grooved Cap | 314.85 | 21.46 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| 23 21 13 23-1948 | EA | 6" Carbon Steel Grooved Cap | 327.73 | 28.13 |
| | | *For Work In Restricted Working Space, Add* | *16.85* | |
| 23 21 13 23-1949 | EA | 8" Carbon Steel Grooved Cap | 583.22 | 33.41 |
| | | *For Work In Restricted Working Space, Add* | *20.05* | |
| 23 21 13 23-1950 | EA | 10" Carbon Steel Grooved Cap | 978.52 | 39.02 |
| | | *For Work In Restricted Working Space, Add* | *23.38* | |
| 23 21 13 23-1951 | EA | 12" Carbon Steel Grooved Cap | 1,668.18 | 46.78 |
| | | *For Work In Restricted Working Space, Add* | *28.07* | |

### 23 21 13 23-1952 Grooved Couplings *(23 21 13 23-1529)*

### 23 21 13 23-1953 Flexible Grooved Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 77

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1954 | EA | 3/4" Grooved Standard Coupling | 22.17 | 5.82 |
| | | *For Work In Restricted Working Space, Add* | *2.64* | |
| | | *For Galvanized Fittings, Add* | *3.74* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1955 | EA | 1" Grooved Standard Coupling | 22.17 | 5.82 |
| | | *For Work In Restricted Working Space, Add* | *2.64* | |
| | | *For Galvanized Fittings, Add* | *3.74* | |
| 23 21 13 23-1956 | EA | 1-1/4" Grooved Standard Coupling | 28.79 | 7.33 |
| | | *For Work In Restricted Working Space, Add* | *3.30* | |
| | | *For Galvanized Fittings, Add* | *4.98* | |
| 23 21 13 23-1957 | EA | 1-1/2" Grooved Standard Coupling | 32.58 | 8.73 |
| | | *For Work In Restricted Working Space, Add* | *3.95* | |
| | | *For Galvanized Fittings, Add* | *5.44* | |
| 23 21 13 23-1958 | EA | 2" Grooved Standard Coupling | 38.16 | 11.75 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| | | *For Galvanized Fittings, Add* | *5.75* | |
| 23 21 13 23-1959 | EA | 2-1/2" Grooved Standard Coupling | 46.04 | 14.33 |
| | | *For Work In Restricted Working Space, Add* | *6.44* | |
| | | *For Galvanized Fittings, Add* | *6.88* | |
| 23 21 13 23-1960 | EA | 3" Grooved Standard Coupling | 50.20 | 17.13 |
| | | *For Work In Restricted Working Space, Add* | *7.69* | |
| | | *For Galvanized Fittings, Add* | *6.88* | |
| 23 21 13 23-1961 | EA | 3-1/2" Grooved Standard Coupling | 69.71 | 20.05 |
| | | *For Work In Restricted Working Space, Add* | *9.03* | |
| | | *For Galvanized Fittings, Add* | *11.09* | |
| 23 21 13 23-1962 | EA | 4" Grooved Standard Coupling | 73.93 | 22.86 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| | | *For Galvanized Fittings, Add* | *11.09* | |
| 23 21 13 23-1963 | EA | 5" Grooved Standard Coupling | 103.62 | 28.67 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| | | *For Galvanized Fittings, Add* | *17.00* | |
| 23 21 13 23-1964 | EA | 6" Grooved Standard Coupling | 127.91 | 37.40 |
| | | *For Work In Restricted Working Space, Add* | *16.84* | |
| | | *For Galvanized Fittings, Add* | *20.10* | |
| 23 21 13 23-1965 | EA | 8" Grooved Standard Coupling | 183.82 | 44.62 |
| | | *For Work In Restricted Working Space, Add* | *20.05* | |
| | | *For Galvanized Fittings, Add* | *32.76* | |
| 23 21 13 23-1966 | EA | 10" Grooved Standard Coupling | 274.63 | 53.47 |
| | | *For Work In Restricted Working Space, Add* | *24.06* | |
| | | *For Galvanized Fittings, Add* | *54.44* | |
| 23 21 13 23-1967 | EA | 12" Grooved Standard Coupling | 309.11 | 58.53 |
| | | *For Work In Restricted Working Space, Add* | *26.32* | |
| | | *For Galvanized Fittings, Add* | *61.99* | |
| 23 21 13 23-1968 | EA | 14" Grooved Standard Coupling | 385.90 | 78.05 |
| | | *For Work In Restricted Working Space, Add* | *35.09* | |
| | | *For Galvanized Fittings, Add* | *75.30* | |
| 23 21 13 23-1969 | EA | 16" Grooved Standard Coupling | 493.12 | 93.67 |
| | | *For Work In Restricted Working Space, Add* | *42.11* | |
| | | *For Galvanized Fittings, Add* | *98.77* | |
| 23 21 13 23-1970 | EA | 18" Grooved Standard Coupling | 569.08 | 104.01 |
| | | *For Work In Restricted Working Space, Add* | *46.79* | |
| | | *For Galvanized Fittings, Add* | *115.68* | |
| 23 21 13 23-1971 | EA | 20" Grooved Standard Coupling | 825.37 | 117.06 |
| | | *For Work In Restricted Working Space, Add* | *52.63* | |
| | | *For Galvanized Fittings, Add* | *181.98* | |
| 23 21 13 23-1972 | EA | 24" Grooved Standard Coupling | 928.66 | 144.01 |
| | | *For Work In Restricted Working Space, Add* | *64.78* | |
| | | *For Galvanized Fittings, Add* | *199.57* | |

### 23 21 13 23-1973 Zero-Flex® Rigid Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 07

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1974 | EA | 1" Grooved Rigid Coupling | 27.39 | 5.82 |
| | | *For Work In Restricted Working Space, Add* | *2.64* | |
| | | *For Galvanized Fittings, Add* | *4.55* | |
| 23 21 13 23-1975 | EA | 1-1/4" Grooved Rigid Coupling | 29.60 | 7.33 |
| | | *For Work In Restricted Working Space, Add* | *3.30* | |
| | | *For Galvanized Fittings, Add* | *4.55* | |
| 23 21 13 23-1976 | EA | 1-1/2" Grooved Rigid Coupling | 31.74 | 8.73 |
| | | *For Work In Restricted Working Space, Add* | *3.95* | |
| | | *For Galvanized Fittings, Add* | *4.55* | |
| 23 21 13 23-1977 | EA | 2" Grooved Rigid Coupling | 36.69 | 11.75 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| | | *For Galvanized Fittings, Add* | *4.67* | |
| 23 21 13 23-1978 | EA | 2-1/2" Grooved Rigid Coupling | 43.44 | 14.33 |
| | | *For Work In Restricted Working Space, Add* | *6.44* | |
| | | *For Galvanized Fittings, Add* | *5.39* | |
| 23 21 13 23-1979 | EA | 3" Grooved Rigid Coupling | 47.60 | 17.13 |
| | | *For Work In Restricted Working Space, Add* | *7.69* | |
| | | *For Galvanized Fittings, Add* | *5.39* | |
| 23 21 13 23-1980 | EA | 3-1/2" Grooved Rigid Coupling | 55.79 | 20.05 |
| | | *For Work In Restricted Working Space, Add* | *9.03* | |
| | | *For Galvanized Fittings, Add* | *6.29* | |
| 23 21 13 23-1981 | EA | 4" Grooved Rigid Coupling | 70.73 | 22.86 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| | | *For Galvanized Fittings, Add* | *8.92* | |
| 23 21 13 23-1982 | EA | 5" Grooved Rigid Coupling | 90.18 | 28.67 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| | | *For Galvanized Fittings, Add* | *11.58* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-1983 | EA | 6" Grooved Rigid Coupling | 119.32 | 37.40 |
| | | *For Work In Restricted Working Space, Add* | *16.84* | |
| | | *For Galvanized Fittings, Add* | *15.48* | |
| 23 21 13 23-1984 | EA | 8" Grooved Rigid Coupling | 166.37 | 44.62 |
| | | *For Work In Restricted Working Space, Add* | *20.05* | |
| | | *For Galvanized Fittings, Add* | *24.39* | |
| 23 21 13 23-1985 | EA | 10" Grooved Rigid Coupling | 258.56 | 53.47 |
| | | *For Work In Restricted Working Space, Add* | *24.06* | |
| | | *For Galvanized Fittings, Add* | *43.70* | |
| 23 21 13 23-1986 | EA | 12" Grooved Rigid Coupling | 287.32 | 58.53 |
| | | *For Work In Restricted Working Space, Add* | *26.32* | |
| | | *For Galvanized Fittings, Add* | *48.90* | |
| 23 21 13 23-1987 | EA | 14" Grooved Rigid Coupling | 377.73 | 78.05 |
| | | *For Work In Restricted Working Space, Add* | *35.09* | |
| | | *For Galvanized Fittings, Add* | *63.89* | |
| 23 21 13 23-1988 | EA | 16" Grooved Rigid Coupling | 480.46 | 93.67 |
| | | *For Work In Restricted Working Space, Add* | *42.11* | |
| | | *For Galvanized Fittings, Add* | *83.32* | |
| 23 21 13 23-1989 | EA | 18" Grooved Rigid Coupling | 549.11 | 104.01 |
| | | *For Work In Restricted Working Space, Add* | *46.79* | |
| | | *For Galvanized Fittings, Add* | *96.32* | |
| 23 21 13 23-1990 | EA | 20" Grooved Rigid Coupling | 643.52 | 117.06 |
| | | *For Work In Restricted Working Space, Add* | *52.63* | |
| | | *For Galvanized Fittings, Add* | *114.68* | |
| 23 21 13 23-1991 | EA | 24" Grooved Rigid Coupling | 905.38 | 144.01 |
| | | *For Work In Restricted Working Space, Add* | *64.78* | |
| | | *For Galvanized Fittings, Add* | *168.92* | |

### 23 21 13 23-1992 Large Diameter Grooved Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 770

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1993 | EA | 28" Grooved Coupling | 870.24 | 28.67 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| | | *For Galvanized Fittings, Add* | *115.83* | |
| 23 21 13 23-1994 | EA | 30" Grooved Coupling | 1,008.66 | 37.40 |
| | | *For Work In Restricted Working Space, Add* | *16.84* | |
| | | *For Galvanized Fittings, Add* | *133.35* | |
| 23 21 13 23-1995 | EA | 32" Grooved Coupling | 1,493.28 | 44.62 |
| | | *For Work In Restricted Working Space, Add* | *20.05* | |
| | | *For Galvanized Fittings, Add* | *199.70* | |
| 23 21 13 23-1996 | EA | 36" Grooved Coupling | 1,980.58 | 53.47 |
| | | *For Work In Restricted Working Space, Add* | *24.06* | |
| | | *For Galvanized Fittings, Add* | *266.05* | |
| 23 21 13 23-1997 | EA | 42" Grooved Coupling | 3,931.08 | 58.53 |
| | | *For Work In Restricted Working Space, Add* | *26.32* | |
| | | *For Galvanized Fittings, Add* | *538.07* | |

### 23 21 13 23-1998 Flexible Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 75

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-1999 | EA | 1-1/2" Grooved Flexible Coupling | 30.05 | 8.73 |
| | | *For Work In Restricted Working Space, Add* | *3.95* | |
| | | *For Galvanized Fittings, Add* | *4.33* | |
| 23 21 13 23-2000 | EA | 2" Grooved Flexible Coupling | 34.95 | 11.75 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| | | *For Galvanized Fittings, Add* | *4.44* | |
| 23 21 13 23-2001 | EA | 2-1/2" Grooved Flexible Coupling | 41.55 | 14.33 |
| | | *For Work In Restricted Working Space, Add* | *6.44* | |
| | | *For Galvanized Fittings, Add* | *5.14* | |
| 23 21 13 23-2002 | EA | 3" Grooved Flexible Coupling | 48.98 | 17.13 |
| | | *For Work In Restricted Working Space, Add* | *7.69* | |
| | | *For Galvanized Fittings, Add* | *5.98* | |
| 23 21 13 23-2003 | EA | 3-1/2" Grooved Flexible Coupling | 63.20 | 20.05 |
| | | *For Work In Restricted Working Space, Add* | *9.03* | |
| | | *For Galvanized Fittings, Add* | *8.47* | |
| 23 21 13 23-2004 | EA | 4" Grooved Flexible Coupling | 67.42 | 22.86 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| | | *For Galvanized Fittings, Add* | *8.47* | |
| 23 21 13 23-2005 | EA | 5" Grooved Flexible Coupling | 90.65 | 28.67 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| | | *For Galvanized Fittings, Add* | *12.22* | |
| 23 21 13 23-2006 | EA | 6" Grooved Flexible Coupling | 113.65 | 37.40 |
| | | *For Work In Restricted Working Space, Add* | *16.84* | |
| | | *For Galvanized Fittings, Add* | *14.72* | |
| 23 21 13 23-2007 | EA | 8" Grooved Flexible Coupling | 157.23 | 44.62 |
| | | *For Work In Restricted Working Space, Add* | *20.05* | |
| | | *For Galvanized Fittings, Add* | *23.14* | |

### 23 21 13 23-2008 Installation-Ready™ Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 009N

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2009 | EA | 1-1/4" Ductile Iron, Installation-Ready™ Coupling | 82.00 | 5.44 |
| | | *For Work In Restricted Working Space, Add* | *2.48* | |
| | | *For Galvanized Fittings, Add* | *18.88* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2010 | EA | 1-1/2" Ductile Iron, Installation-Ready™ Coupling | 85.13 | 6.51 |
| | | *For Work In Restricted Working Space, Add* | *2.96* | |
| | | *For Galvanized Fittings, Add* | *19.27* | |
| 23 21 13 23-2011 | EA | 2" Ductile Iron, Installation-Ready™ Coupling | 98.40 | 8.75 |
| | | *For Work In Restricted Working Space, Add* | *3.98* | |
| | | *For Galvanized Fittings, Add* | *21.80* | |
| 23 21 13 23-2012 | EA | 2-1/2" Ductile Iron, Installation-Ready™ Coupling | 114.14 | 10.60 |
| | | *For Work In Restricted Working Space, Add* | *4.82* | |
| | | *For Galvanized Fittings, Add* | *25.11* | |
| 23 21 13 23-2013 | EA | 3" Ductile Iron, Installation-Ready™ Coupling | 130.28 | 12.73 |
| | | *For Work In Restricted Working Space, Add* | *5.79* | |
| | | *For Galvanized Fittings, Add* | *28.41* | |
| 23 21 13 23-2014 | EA | 4" Ductile Iron, Installation-Ready™ Coupling | 181.63 | 17.00 |
| | | *For Work In Restricted Working Space, Add* | *7.73* | |
| | | *For Galvanized Fittings, Add* | *39.90* | |
| 23 21 13 23-2015 | EA | 5" Ductile Iron, Installation-Ready™ Coupling | 287.16 | 21.27 |
| | | *For Work In Restricted Working Space, Add* | *9.67* | |
| | | *For Galvanized Fittings, Add* | *65.26* | |
| 23 21 13 23-2016 | EA | 6" Ductile Iron, Installation-Ready™ Coupling | 346.76 | 27.82 |
| | | *For Work In Restricted Working Space, Add* | *12.65* | |
| | | *For Galvanized Fittings, Add* | *77.98* | |
| 23 21 13 23-2017 | EA | 8" Ductile Iron, Installation-Ready™ Coupling | 559.05 | 33.08 |
| | | *For Work In Restricted Working Space, Add* | *15.04* | |
| | | *For Galvanized Fittings, Add* | *130.29* | |

## 23 21 13 23-2018 Grooved Strainers And Suction Diffusers *(23 21 13 23-1529)*

## 23 21 13 23-2019 Grooved Wye Strainers *(23 21 13 23-2018)*

Note: Victaulic Style 732

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2020 | EA | 2" Grooved Wye Strainer | 2,658.23 | 23.71 |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| 23 21 13 23-2021 | EA | 2-1/2" Grooved Wye Strainer | 2,798.12 | 28.78 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| 23 21 13 23-2022 | EA | 3" Grooved Wye Strainer | 3,146.59 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| 23 21 13 23-2023 | EA | 4" Grooved Wye Strainer | 3,571.51 | 46.02 |
| | | *For Work In Restricted Working Space, Add* | *20.60* | |
| 23 21 13 23-2024 | EA | 5" Grooved Wye Strainer | 5,159.96 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.75* | |
| 23 21 13 23-2025 | EA | 6" Grooved Wye Strainer | 5,620.89 | 74.81 |
| | | *For Work In Restricted Working Space, Add* | *33.68* | |
| 23 21 13 23-2026 | EA | 8" Grooved Wye Strainer | 8,578.62 | 89.15 |
| | | *For Work In Restricted Working Space, Add* | *40.10* | |
| 23 21 13 23-2027 | EA | 10" Grooved Wye Strainer | 13,731.60 | 104.23 |
| | | *For Work In Restricted Working Space, Add* | *46.79* | |
| 23 21 13 23-2028 | EA | 12" Grooved Wye Strainer | 23,902.69 | 125.15 |
| | | *For Work In Restricted Working Space, Add* | *56.14* | |

## 23 21 13 23-2029 Grooved Tee Type Strainers *(23 21 13 23-2018)*

Note: Victaulic Style 730

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2030 | EA | 1-1/2" Grooved Tee Type Strainer | 2,050.81 | 18.00 |
| | | *For Work In Restricted Working Space, Add* | *8.00* | |
| 23 21 13 23-2031 | EA | 2" Grooved Tee Type Strainer | 2,625.86 | 23.71 |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| 23 21 13 23-2032 | EA | 2-1/2" Grooved Tee Type Strainer | 2,764.48 | 28.78 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| 23 21 13 23-2033 | EA | 3" Grooved Tee Type Strainer | 3,108.58 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| 23 21 13 23-2034 | EA | 4" Grooved Tee Type Strainer | 3,528.41 | 46.02 |
| | | *For Work In Restricted Working Space, Add* | *20.60* | |
| 23 21 13 23-2035 | EA | 5" Grooved Tee Type Strainer | 5,097.21 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.75* | |
| 23 21 13 23-2036 | EA | 6" Grooved Tee Type Strainer | 5,553.23 | 74.81 |
| | | *For Work In Restricted Working Space, Add* | *33.68* | |
| 23 21 13 23-2037 | EA | 8" Grooved Tee Type Strainer | 8,473.87 | 89.15 |
| | | *For Work In Restricted Working Space, Add* | *40.10* | |
| 23 21 13 23-2038 | EA | 10" Grooved Tee Type Strainer | 12,405.82 | 104.23 |
| | | *For Work In Restricted Working Space, Add* | *46.79* | |
| 23 21 13 23-2039 | EA | 12" Grooved Tee Type Strainer | 15,956.05 | 125.15 |
| | | *For Work In Restricted Working Space, Add* | *56.14* | |
| 23 21 13 23-2040 | EA | 14" Grooved Tee Type Strainer | 56,417.13 | 140.88 |
| | | *For Work In Restricted Working Space, Add* | *63.41* | |
| 23 21 13 23-2041 | EA | 16" Grooved Tee Type Strainer | 70,089.54 | 155.97 |
| | | *For Work In Restricted Working Space, Add* | *70.18* | |
| 23 21 13 23-2042 | EA | 18" Grooved Tee Type Strainer | 92,136.02 | 170.41 |
| | | *For Work In Restricted Working Space, Add* | *76.63* | |

## 23 21 13 23-2043 Grooved Suction Diffuser *(23 21 13 23-2018)*

Note: Victaulic Style 731

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2044 | EA | 2-1/2" Grooved x 2" Flanged Suction Diffuser | 5,418.45 | 26.62 |
| | | *For Work In Restricted Working Space, Add* | *11.80* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2045 | EA | 3" Grooved x 2" Flanged Suction Diffuser | 5,751.95 | 29.42 |
| | | *For Work In Restricted Working Space, Add* | *13.10* | |
| 23 21 13 23-2046 | EA | 3" Grooved x 2-1/2" Flanged Suction Diffuser | 4,154.83 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| 23 21 13 23-2047 | EA | 3" Grooved x 3" Flanged Suction Diffuser | 4,213.42 | 37.40 |
| | | *For Work In Restricted Working Space, Add* | *16.82* | |
| 23 21 13 23-2048 | EA | 4" Grooved x 2-1/2" Flanged Suction Diffuser | 4,564.24 | 37.40 |
| | | *For Work In Restricted Working Space, Add* | *16.82* | |
| 23 21 13 23-2049 | EA | 4" Grooved x 3" Flanged Suction Diffuser | 4,924.27 | 40.31 |
| | | *For Work In Restricted Working Space, Add* | *18.11* | |
| 23 21 13 23-2050 | EA | 4" Grooved x 4" Flanged Suction Diffuser | 5,693.55 | 40.31 |
| | | *For Work In Restricted Working Space, Add* | *18.27* | |
| 23 21 13 23-2051 | EA | 5" Grooved x 4" Flanged Suction Diffuser | 6,356.58 | 51.73 |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |
| 23 21 13 23-2052 | EA | 5" Grooved x 5" Flanged Suction Diffuser | 6,679.53 | 54.65 |
| | | *For Work In Restricted Working Space, Add* | *24.58* | |
| 23 21 13 23-2053 | EA | 6" Grooved x 4" Flanged Suction Diffuser | 6,785.26 | 60.37 |
| | | *For Work In Restricted Working Space, Add* | *27.17* | |
| 23 21 13 23-2054 | EA | 6" Grooved x 5" Flanged Suction Diffuser | 8,107.66 | 66.18 |
| | | *For Work In Restricted Working Space, Add* | *29.75* | |
| 23 21 13 23-2055 | EA | 6" Grooved x 6" Flanged Suction Diffuser | 8,420.91 | 70.49 |
| | | *For Work In Restricted Working Space, Add* | *31.69* | |
| 23 21 13 23-2056 | EA | 8" Grooved x 5" Flanged Suction Diffuser | 8,640.38 | 73.30 |
| | | *For Work In Restricted Working Space, Add* | *32.99* | |
| 23 21 13 23-2057 | EA | 8" Grooved x 6" Flanged Suction Diffuser | 9,118.15 | 81.92 |
| | | *For Work In Restricted Working Space, Add* | *36.86* | |
| 23 21 13 23-2058 | EA | 8" Grooved x 8" Flanged Suction Diffuser | 15,613.40 | 89.15 |
| | | *For Work In Restricted Working Space, Add* | *40.10* | |
| 23 21 13 23-2059 | EA | 10" Grooved x 8" Flanged Suction Diffuser | 17,611.91 | 96.37 |
| | | *For Work In Restricted Working Space, Add* | *43.49* | |
| 23 21 13 23-2060 | EA | 10" Grooved x 10" Flanged Suction Diffuser | 21,197.61 | 99.92 |
| | | *For Work In Restricted Working Space, Add* | *44.94* | |
| 23 21 13 23-2061 | EA | 12" Grooved x 10" Flanged Suction Diffuser | 25,086.00 | 115.01 |
| | | *For Work In Restricted Working Space, Add* | *51.59* | |
| 23 21 13 23-2062 | EA | 12" Grooved x 12" Flanged Suction Diffuser | 34,837.22 | 122.24 |
| | | *For Work In Restricted Working Space, Add* | *54.96* | |
| 23 21 13 23-2063 | EA | 14" Grooved x 10" Flanged Suction Diffuser | 32,434.83 | 122.24 |
| | | *For Work In Restricted Working Space, Add* | *55.07* | |
| 23 21 13 23-2064 | EA | 14" Grooved x 12" Flanged Suction Diffuser | 36,226.07 | 133.01 |
| | | *For Work In Restricted Working Space, Add* | *59.75* | |
| 23 21 13 23-2065 | EA | 14" Grooved x 14" Flanged Suction Diffuser | 43,960.74 | 140.88 |
| | | *For Work In Restricted Working Space, Add* | *63.21* | |
| 23 21 13 23-2066 | EA | 16" Grooved x 14" Flanged Suction Diffuser | 45,256.87 | 148.10 |
| | | *For Work In Restricted Working Space, Add* | *66.70* | |

### 23 21 13 23-2067 Grooved Steel Valves *(23 21 13 23-1529)*

### 23 21 13 23-2068 Grooved Butterfly Valves With Standard Trim *(23 21 13 23-2067)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2069 | EA | 1-1/2" Butterfly Valve, Grooved, With Standard Trim | 289.83 | 11.75 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| 23 21 13 23-2070 | EA | 2" Butterfly Valve, Grooved, With Standard Trim | 295.39 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2071 | EA | 3" Butterfly Valve, Grooved, With Standard Trim | 484.77 | 22.86 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| 23 21 13 23-2072 | EA | 4" Butterfly Valve, Grooved, With Standard Trim | 651.16 | 30.08 |
| | | *For Work In Restricted Working Space, Add* | *13.55* | |
| 23 21 13 23-2073 | EA | 6" Butterfly Valve, Grooved, With Standard Trim | 1,421.94 | 49.26 |
| | | *For Work In Restricted Working Space, Add* | *22.16* | |
| 23 21 13 23-2074 | EA | 8" Butterfly Valve, Grooved, With Standard Trim | 1,970.53 | 69.31 |
| | | *For Work In Restricted Working Space, Add* | *31.19* | |
| 23 21 13 23-2075 | EA | 10" Butterfly Valve, Grooved, With Standard Trim | 2,959.66 | 93.67 |
| | | *For Work In Restricted Working Space, Add* | *42.11* | |

### 23 21 13 23-2076 Grooved Butterfly Valves With Stainless Steel Trim *(23 21 13 23-2067)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2077 | EA | 1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim | 435.65 | 11.75 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| 23 21 13 23-2078 | EA | 2" Butterfly Valve, Grooved, With Stainless Steel Trim | 441.21 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2079 | EA | 3" Butterfly Valve, Grooved, With Stainless Steel Trim | 682.44 | 22.86 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| 23 21 13 23-2080 | EA | 4" Butterfly Valve, Grooved, With Stainless Steel Trim | 868.28 | 30.08 |
| | | *For Work In Restricted Working Space, Add* | *13.55* | |
| 23 21 13 23-2081 | EA | 6" Butterfly Valve, Grooved, With Stainless Steel Trim | 1,661.74 | 49.26 |
| | | *For Work In Restricted Working Space, Add* | *22.16* | |
| 23 21 13 23-2082 | EA | 8" Butterfly Valve, Grooved, With Stainless Steel Trim | 2,761.23 | 69.31 |
| | | *For Work In Restricted Working Space, Add* | *31.19* | |
| 23 21 13 23-2083 | EA | 10" Butterfly Valve, Grooved, With Stainless Steel Trim | 4,353.10 | 93.67 |
| | | *For Work In Restricted Working Space, Add* | *42.11* | |

### 23 21 13 23-2084 Grooved Ball Valves With Standard Trim And Handle *(23 21 13 23-2067)*

Note: Victaulic No. 721

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2085 | EA | 1-1/2" Ball Valve, Grooved, With Standard Trim | 244.50 | 11.53 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| 23 21 13 23-2086 | EA | 2" Ball Valve, Grooved, With Standard Trim | 280.03 | 15.84 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2087 | EA | 2-1/2" Ball Valve, Grooved, With Standard Trim | 639.72 | 19.40 |
| | | *For Work In Restricted Working Space, Add* | *8.73* | |
| 23 21 13 23-2088 | EA | 3" Ball Valve, Grooved, With Standard Trim | 1,049.32 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| 23 21 13 23-2089 | EA | 4" Ball Valve, Grooved, With Standard Trim | 1,634.22 | 30.18 |
| | | *For Work In Restricted Working Space, Add* | *13.55* | |
| 23 21 13 23-2090 | EA | 6" Ball Valve, Grooved, With Standard Trim | 5,082.57 | 49.58 |
| | | *For Work In Restricted Working Space, Add* | *22.16* | |

### 23 21 13 23-2091 Grooved Ball Valves With Stainless Steel Trim And Handle *(23 21 13 23-2067)*

Note: Victaulic No. 721

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2092 | EA | 1-1/2" Ball Valve, Grooved, With Stainless Steel Trim | 260.47 | 11.53 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| 23 21 13 23-2093 | EA | 2" Ball Valve, Grooved, With Stainless Steel Trim | 445.82 | 15.84 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2094 | EA | 2-1/2" Ball Valve, Grooved, With Stainless Steel Trim | 1,162.49 | 19.40 |
| | | *For Work In Restricted Working Space, Add* | *8.73* | |
| 23 21 13 23-2095 | EA | 3" Ball Valve, Grooved, With Stainless Steel Trim | 1,503.37 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| 23 21 13 23-2096 | EA | 4" Ball Valve, Grooved, With Stainless Steel Trim | 2,053.81 | 30.18 |
| | | *For Work In Restricted Working Space, Add* | *13.55* | |
| 23 21 13 23-2097 | EA | 6" Ball Valve, Grooved, With Stainless Steel Trim | 5,602.50 | 49.58 |
| | | *For Work In Restricted Working Space, Add* | *22.16* | |

### 23 21 13 23-2098 Grooved Check Valves *(23 21 13 23-2067)*

Note: Victaulic No. 712

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2099 | EA | 2" Check Valve, Grooved | 371.30 | 15.84 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2100 | EA | 2-1/2" Check Valve, Grooved | 602.86 | 19.40 |
| | | *For Work In Restricted Working Space, Add* | *8.73* | |
| 23 21 13 23-2101 | EA | 3" Check Valve, Grooved | 702.43 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| 23 21 13 23-2102 | EA | 4" Check Valve, Grooved | 995.73 | 30.18 |
| | | *For Work In Restricted Working Space, Add* | *13.55* | |

### 23 21 13 23-2103 Grooved Vic-Check Check Valves *(23 21 13 23-2067)*

Note: Victaulic No. 716

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2104 | EA | 2-1/2" "Vic-Check" Check Valve, Grooved | 481.62 | 19.40 |
| | | *For Work In Restricted Working Space, Add* | *8.73* | |
| 23 21 13 23-2105 | EA | 3" "Vic-Check" Check Valve, Grooved | 486.86 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| 23 21 13 23-2106 | EA | 4" "Vic-Check" Check Valve, Grooved | 610.09 | 30.18 |
| | | *For Work In Restricted Working Space, Add* | *13.55* | |
| 23 21 13 23-2107 | EA | 6" "Vic-Check" Check Valve, Grooved | 1,189.63 | 49.58 |
| | | *For Work In Restricted Working Space, Add* | *22.16* | |
| 23 21 13 23-2108 | EA | 8" "Vic-Check" Check Valve, Grooved | 1,627.76 | 68.99 |
| | | *For Work In Restricted Working Space, Add* | *30.83* | |
| 23 21 13 23-2109 | EA | 10" "Vic-Check" Check Valve, Grooved | 4,552.34 | 93.46 |
| | | *For Work In Restricted Working Space, Add* | *41.75* | |
| 23 21 13 23-2110 | EA | 12" "Vic-Check" Check Valve, Grooved | 5,390.87 | 107.90 |
| | | *For Work In Restricted Working Space, Add* | *48.18* | |

### 23 21 13 23-2111 Grooved Plug Valves With Lever Operator *(23 21 13 23-2067)*

Note: Victaulic No. 377

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2112 | EA | 3" Balancing Plug Valve, Grooved, With Lever Handle | 1,377.00 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| 23 21 13 23-2113 | EA | 4" Balancing Plug Valve, Grooved, With Lever Handle | 1,522.64 | 30.18 |
| | | *For Work In Restricted Working Space, Add* | *13.55* | |
| 23 21 13 23-2114 | EA | 6" Balancing Plug Valve, Grooved, With Lever Handle | 2,723.75 | 49.58 |
| | | *For Work In Restricted Working Space, Add* | *22.16* | |

### 23 21 13 23-2115 Grooved Plug Valve With Gear Operator *(23 21 13 23-2067)*

Note: Victaulic No. 377

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2116 | EA | 3" Balancing Plug Valve, Grooved, With Gear Operator | 2,459.85 | 22.96 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| 23 21 13 23-2117 | EA | 4" Balancing Plug Valve, Grooved, With Gear Operator | 2,605.58 | 30.18 |
| | | *For Work In Restricted Working Space, Add* | *13.55* | |
| 23 21 13 23-2118 | EA | 6" Balancing Plug Valve, Grooved, With Gear Operator | 3,806.70 | 49.58 |
| | | *For Work In Restricted Working Space, Add* | *22.16* | |
| 23 21 13 23-2119 | EA | 8" Balancing Plug Valve, Grooved, With Gear Operator | 5,089.02 | 68.99 |
| | | *For Work In Restricted Working Space, Add* | *30.83* | |
| 23 21 13 23-2120 | EA | 10" Balancing Plug Valve, Grooved, With Gear Operator | 8,002.52 | 93.46 |
| | | *For Work In Restricted Working Space, Add* | *41.75* | |
| 23 21 13 23-2121 | EA | 12" Balancing Plug Valve, Grooved, With Gear Operator | 11,614.12 | 107.90 |
| | | *For Work In Restricted Working Space, Add* | *48.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 23 21 13 23-2122 Prepare Pipe For Groove *(23 21 13 23-1529)*

### 23 21 13 23-2123 Cut Grooved Pipe *(23 21 13 23-2122)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2124 | EA | Cut 3/4" Groove Pipe | 11.29 | |
| | | *For Work In Restricted Working Space, Add* | *3.39* | |
| 23 21 13 23-2125 | EA | Cut 1" Groove Pipe | 12.26 | |
| | | *For Work In Restricted Working Space, Add* | *3.68* | |
| 23 21 13 23-2126 | EA | Cut 1-1/4" Groove Pipe | 13.84 | |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| 23 21 13 23-2127 | EA | Cut 1-1/2" Groove Pipe | 15.06 | |
| | | *For Work In Restricted Working Space, Add* | *4.52* | |
| 23 21 13 23-2128 | EA | Cut 2" Groove Pipe | 16.50 | |
| | | *For Work In Restricted Working Space, Add* | *4.95* | |
| 23 21 13 23-2129 | EA | Cut 2-1/2" Groove Pipe | 17.88 | |
| | | *For Work In Restricted Working Space, Add* | *5.36* | |
| 23 21 13 23-2130 | EA | Cut 3" Groove Pipe | 19.50 | |
| | | *For Work In Restricted Working Space, Add* | *5.85* | |
| 23 21 13 23-2131 | EA | Cut 3-1/2" Groove Pipe | 20.68 | |
| | | *For Work In Restricted Working Space, Add* | *6.20* | |
| 23 21 13 23-2132 | EA | Cut 4" Groove Pipe | 22.01 | |
| | | *For Work In Restricted Working Space, Add* | *6.60* | |
| 23 21 13 23-2133 | EA | Cut 5" Groove Pipe | 23.84 | |
| | | *For Work In Restricted Working Space, Add* | *7.15* | |
| 23 21 13 23-2134 | EA | Cut 6" Groove Pipe | 24.52 | |
| | | *For Work In Restricted Working Space, Add* | *7.36* | |
| 23 21 13 23-2135 | EA | Cut 8" Groove Pipe | 31.79 | |
| | | *For Work In Restricted Working Space, Add* | *9.54* | |
| 23 21 13 23-2136 | EA | Cut 10" Groove Pipe | 45.17 | |
| | | *For Work In Restricted Working Space, Add* | *13.55* | |
| 23 21 13 23-2137 | EA | Cut 12" Groove Pipe | 57.21 | |
| | | *For Work In Restricted Working Space, Add* | *17.16* | |
| 23 21 13 23-2138 | EA | Cut 14" Groove Pipe | 85.82 | |
| | | *For Work In Restricted Working Space, Add* | *25.75* | |
| 23 21 13 23-2139 | EA | Cut 16" Groove Pipe | 90.33 | |
| | | *For Work In Restricted Working Space, Add* | *27.10* | |
| 23 21 13 23-2140 | EA | Cut 18" Groove Pipe | 95.36 | |
| | | *For Work In Restricted Working Space, Add* | *28.61* | |
| 23 21 13 23-2141 | EA | Cut 20" Groove Pipe | 100.96 | |
| | | *For Work In Restricted Working Space, Add* | *30.29* | |
| 23 21 13 23-2142 | EA | Cut 24" Groove Pipe | 114.43 | |
| | | *For Work In Restricted Working Space, Add* | *34.33* | |

### 23 21 13 23-2143 Roll Grooved Pipe *(23 21 13 23-2122)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2144 | EA | Roll 3/4" Groove | 6.46 | |
| | | *For Work In Restricted Working Space, Add* | *1.94* | |
| 23 21 13 23-2145 | EA | Roll 1" Groove | 7.52 | |
| | | *For Work In Restricted Working Space, Add* | *2.26* | |
| 23 21 13 23-2146 | EA | Roll 1-1/4" Groove | 8.58 | |
| | | *For Work In Restricted Working Space, Add* | *2.57* | |
| 23 21 13 23-2147 | EA | Roll 1-1/2" Groove | 9.64 | |
| | | *For Work In Restricted Working Space, Add* | *2.89* | |
| 23 21 13 23-2148 | EA | Roll 2" Groove | 14.80 | |
| | | *For Work In Restricted Working Space, Add* | *4.44* | |
| 23 21 13 23-2149 | EA | Roll 2-1/2" Groove | 15.60 | |
| | | *For Work In Restricted Working Space, Add* | *4.68* | |
| 23 21 13 23-2150 | EA | Roll 3" Groove | 17.16 | |
| | | *For Work In Restricted Working Space, Add* | *5.15* | |
| 23 21 13 23-2151 | EA | Roll 3-1/2" Groove | 18.26 | |
| | | *For Work In Restricted Working Space, Add* | *5.48* | |
| 23 21 13 23-2152 | EA | Roll 4" Groove | 19.95 | |
| | | *For Work In Restricted Working Space, Add* | *5.99* | |
| 23 21 13 23-2153 | EA | Roll 5" Groove | 20.44 | |
| | | *For Work In Restricted Working Space, Add* | *6.13* | |
| 23 21 13 23-2154 | EA | Roll 6" Groove | 21.46 | |
| | | *For Work In Restricted Working Space, Add* | *6.44* | |
| 23 21 13 23-2155 | EA | Roll 8" Groove | 26.01 | |
| | | *For Work In Restricted Working Space, Add* | *7.80* | |
| 23 21 13 23-2156 | EA | Roll 10" Groove | 29.59 | |
| | | *For Work In Restricted Working Space, Add* | *8.88* | |
| 23 21 13 23-2157 | EA | Roll 12" Groove | 37.31 | |
| | | *For Work In Restricted Working Space, Add* | *11.19* | |
| 23 21 13 23-2158 | EA | Roll 14" Groove | 57.21 | |
| | | *For Work In Restricted Working Space, Add* | *17.16* | |
| 23 21 13 23-2159 | EA | Roll 16" Groove | 61.30 | |
| | | *For Work In Restricted Working Space, Add* | *18.39* | |
| 23 21 13 23-2160 | EA | Roll 18" Groove | 63.57 | |
| | | *For Work In Restricted Working Space, Add* | *19.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2161 | EA | Roll 20" Groove | 68.66 | |
| | | *For Work In Restricted Working Space, Add* | *20.60* | |
| 23 21 13 23-2162 | EA | Roll 24" Groove | 74.63 | |
| | | *For Work In Restricted Working Space, Add* | *22.39* | |
| **23 21 13 23-2163** | | **Standard Gaskets** *(23 21 13 23-2122)* | | |
| | | Note: For use on replacement of existing gaskets. | | |
| 23 21 13 23-2164 | EA | 3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 14.13 | |
| | | *For Work In Restricted Working Space, Add* | *1.35* | |
| 23 21 13 23-2165 | EA | 1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 15.03 | |
| | | *For Work In Restricted Working Space, Add* | *1.62* | |
| 23 21 13 23-2166 | EA | 1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 15.90 | |
| | | *For Work In Restricted Working Space, Add* | *1.79* | |
| 23 21 13 23-2167 | EA | 1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 17.52 | |
| | | *For Work In Restricted Working Space, Add* | *2.02* | |
| 23 21 13 23-2168 | EA | 2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 18.16 | |
| | | *For Work In Restricted Working Space, Add* | *2.21* | |
| 23 21 13 23-2169 | EA | 2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 20.82 | |
| | | *For Work In Restricted Working Space, Add* | *2.31* | |
| 23 21 13 23-2170 | EA | 3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 22.95 | |
| | | *For Work In Restricted Working Space, Add* | *2.61* | |
| 23 21 13 23-2171 | EA | 3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 27.65 | |
| | | *For Work In Restricted Working Space, Add* | *2.84* | |
| 23 21 13 23-2172 | EA | 4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 28.17 | |
| | | *For Work In Restricted Working Space, Add* | *2.99* | |
| 23 21 13 23-2173 | EA | 5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 34.02 | |
| | | *For Work In Restricted Working Space, Add* | *3.08* | |
| 23 21 13 23-2174 | EA | 6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 36.46 | |
| | | *For Work In Restricted Working Space, Add* | *3.23* | |
| 23 21 13 23-2175 | EA | 8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 48.94 | |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 23 21 13 23-2176 | EA | 10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 60.44 | |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| 23 21 13 23-2177 | EA | 12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 72.08 | |
| | | *For Work In Restricted Working Space, Add* | *5.78* | |
| 23 21 13 23-2178 | EA | 14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 101.39 | |
| | | *For Work In Restricted Working Space, Add* | *8.51* | |
| 23 21 13 23-2179 | EA | 16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 131.79 | |
| | | *For Work In Restricted Working Space, Add* | *9.19* | |
| 23 21 13 23-2180 | EA | 18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 153.90 | |
| | | *For Work In Restricted Working Space, Add* | *9.51* | |
| 23 21 13 23-2181 | EA | 20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 221.68 | |
| | | *For Work In Restricted Working Space, Add* | *10.10* | |
| 23 21 13 23-2182 | EA | 24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" | 299.80 | |
| | | *For Work In Restricted Working Space, Add* | *11.55* | |
| **23 21 13 23-2183** | | **Copper Grooved-Joint Pipe Fittings** *(23 21 13 23)* | | |
| | | Note: Couplings are not included with fittings. | | |
| **23 21 13 23-2184** | | **Grooved Fittings** *(23 21 13 23-2183)* | | |
| **23 21 13 23-2185** | | **Grooved 90 Degree Elbows** *(23 21 13 23-2184)* | | |
| 23 21 13 23-2186 | EA | 2" Copper 90 Degree Elbow, Grooved | 154.20 | 17.57 |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| 23 21 13 23-2187 | EA | 2-1/2" Copper 90 Degree Elbow, Grooved | 171.67 | 21.46 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| 23 21 13 23-2188 | EA | 3" Copper 90 Degree Elbow, Grooved | 232.40 | 25.98 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| 23 21 13 23-2189 | EA | 4" Copper 90 Degree Elbow, Grooved | 482.67 | 34.28 |
| | | *For Work In Restricted Working Space, Add* | *20.60* | |
| 23 21 13 23-2190 | EA | 5" Copper 90 Degree Elbow, Grooved | 1,259.34 | 42.90 |
| | | *For Work In Restricted Working Space, Add* | *25.75* | |
| 23 21 13 23-2191 | EA | 6" Copper 90 Degree Elbow, Grooved | 1,985.04 | 56.16 |
| | | *For Work In Restricted Working Space, Add* | *33.68* | |
| 23 21 13 23-2192 | EA | 8" Copper 90 Degree Elbow, Grooved | 3,649.40 | 66.83 |
| | | *For Work In Restricted Working Space, Add* | *40.10* | |
| **23 21 13 23-2193** | | **Grooved 45 Degree Elbows** *(23 21 13 23-2184)* | | |
| 23 21 13 23-2194 | EA | 2" Copper 45 Degree Elbow, Grooved | 154.20 | 17.57 |
| | | *For Work In Restricted Working Space, Add* | *10.57* | |
| 23 21 13 23-2195 | EA | 2-1/2" Copper 45 Degree Elbow, Grooved | 171.67 | 21.46 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| 23 21 13 23-2196 | EA | 3" Copper 45 Degree Elbow, Grooved | 232.40 | 25.98 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| 23 21 13 23-2197 | EA | 4" Copper 45 Degree Elbow, Grooved | 482.67 | 34.28 |
| | | *For Work In Restricted Working Space, Add* | *20.60* | |
| 23 21 13 23-2198 | EA | 5" Copper 45 Degree Elbow, Grooved | 1,259.34 | 42.90 |
| | | *For Work In Restricted Working Space, Add* | *25.75* | |
| 23 21 13 23-2199 | EA | 6" Copper 45 Degree Elbow, Grooved | 1,985.04 | 56.16 |
| | | *For Work In Restricted Working Space, Add* | *33.68* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2200 | EA | 8" Copper 45 Degree Elbow, Grooved | 3,649.40 | 66.83 |
| | | *For Work In Restricted Working Space, Add* | *40.10* | |

## 23 21 13 23-2201 Grooved Tees *(23 21 13 23-2184)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2202 | EA | 2" Copper Tee, Grooved | 246.86 | 25.87 |
| | | *For Work In Restricted Working Space, Add* | *15.54* | |
| 23 21 13 23-2203 | EA | 2-1/2" Copper Tee, Grooved | 270.56 | 31.80 |
| | | *For Work In Restricted Working Space, Add* | *19.07* | |
| 23 21 13 23-2204 | EA | 3" Copper Tee, Grooved | 386.06 | 39.02 |
| | | *For Work In Restricted Working Space, Add* | *23.40* | |
| 23 21 13 23-2205 | EA | 4" Copper Tee, Grooved | 776.29 | 50.45 |
| | | *For Work In Restricted Working Space, Add* | *30.29* | |
| 23 21 13 23-2206 | EA | 5" Copper Tee, Grooved | 3,103.79 | 65.97 |
| | | *For Work In Restricted Working Space, Add* | *39.61* | |
| 23 21 13 23-2207 | EA | 6" Copper Tee, Grooved | 2,499.71 | 82.57 |
| | | *For Work In Restricted Working Space, Add* | *49.54* | |
| 23 21 13 23-2208 | EA | 8" Copper Tee, Grooved | 4,369.26 | 100.25 |
| | | *For Work In Restricted Working Space, Add* | *60.15* | |

## 23 21 13 23-2209 Grooved Reducing Tees *(23 21 13 23-2184)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2210 | EA | 2-1/2" Copper Tee, Reducing, Grooved | 372.15 | 31.80 |
| | | *For Work In Restricted Working Space, Add* | *19.07* | |
| 23 21 13 23-2211 | EA | 3" Copper Tee, Reducing, Grooved | 601.76 | 39.02 |
| | | *For Work In Restricted Working Space, Add* | *23.40* | |
| 23 21 13 23-2212 | EA | 4" Copper Tee, Reducing, Grooved | 988.18 | 50.56 |
| | | *For Work In Restricted Working Space, Add* | *30.29* | |
| 23 21 13 23-2213 | EA | 5" Copper Tee, Reducing, Grooved | 2,839.87 | 66.08 |
| | | *For Work In Restricted Working Space, Add* | *39.61* | |
| 23 21 13 23-2214 | EA | 6" Copper Tee, Reducing, Grooved | 3,471.13 | 82.57 |
| | | *For Work In Restricted Working Space, Add* | *49.54* | |

## 23 21 13 23-2215 Grooved X Cup Reducing Tees *(23 21 13 23-2184)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2216 | EA | 2" Copper Tee, Reducing, Grooved X Cup | 301.19 | 25.87 |
| | | *For Work In Restricted Working Space, Add* | *15.54* | |
| 23 21 13 23-2217 | EA | 2-1/2" Copper Tee, Reducing, Grooved X Cup | 373.26 | 31.80 |
| | | *For Work In Restricted Working Space, Add* | *19.07* | |
| 23 21 13 23-2218 | EA | 3" Copper Tee, Reducing, Grooved X Cup | 650.65 | 39.02 |
| | | *For Work In Restricted Working Space, Add* | *23.40* | |
| 23 21 13 23-2219 | EA | 4" Copper Tee, Reducing, Grooved X Cup | 988.18 | 50.45 |
| | | *For Work In Restricted Working Space, Add* | *30.29* | |

## 23 21 13 23-2220 Grooved Flanged Adapter Nipples *(23 21 13 23-2184)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2221 | EA | 2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 551.60 | 19.08 |
| | | *For Work In Restricted Working Space, Add* | *11.49* | |
| 23 21 13 23-2222 | EA | 2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 580.92 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| 23 21 13 23-2223 | EA | 3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 615.36 | 27.70 |
| | | *For Work In Restricted Working Space, Add* | *16.61* | |
| 23 21 13 23-2224 | EA | 4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 688.53 | 37.30 |
| | | *For Work In Restricted Working Space, Add* | *22.39* | |
| 23 21 13 23-2225 | EA | 5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 915.56 | 45.17 |
| | | *For Work In Restricted Working Space, Add* | *27.10* | |
| 23 21 13 23-2226 | EA | 6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 | 1,020.01 | 61.01 |
| | | *For Work In Restricted Working Space, Add* | *36.61* | |

## 23 21 13 23-2227 Grooved Concentric Reducers *(23 21 13 23-2184)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2228 | EA | 2-1/2" x 2" Copper Concentric Reducer, Grooved | 209.93 | 19.62 |
| | | *For Work In Restricted Working Space, Add* | *11.80* | |
| 23 21 13 23-2229 | EA | 3" x 2" Copper Concentric Reducer, Grooved | 214.26 | 21.88 |
| | | *For Work In Restricted Working Space, Add* | *13.10* | |
| 23 21 13 23-2230 | EA | 3" x 2-1/2" Copper Concentric Reducer, Grooved | 222.62 | 25.98 |
| | | *For Work In Restricted Working Space, Add* | *15.61* | |
| 23 21 13 23-2231 | EA | 4" x 2" Copper Concentric Reducer, Grooved | 401.11 | 26.19 |
| | | *For Work In Restricted Working Space, Add* | *15.69* | |
| 23 21 13 23-2232 | EA | 4" x 2-1/2" Copper Concentric Reducer, Grooved | 404.88 | 28.02 |
| | | *For Work In Restricted Working Space, Add* | *16.82* | |
| 23 21 13 23-2233 | EA | 4" x 3" Copper Concentric Reducer, Grooved | 409.19 | 30.18 |
| | | *For Work In Restricted Working Space, Add* | *18.11* | |
| 23 21 13 23-2234 | EA | 5" x 3" Copper Concentric Reducer, Grooved | 1,050.19 | 34.49 |
| | | *For Work In Restricted Working Space, Add* | *20.70* | |
| 23 21 13 23-2235 | EA | 5" x 4" Copper Concentric Reducer, Grooved | 1,058.81 | 38.80 |
| | | *For Work In Restricted Working Space, Add* | *23.28* | |
| 23 21 13 23-2236 | EA | 6" x 3" Copper Concentric Reducer, Grooved | 1,144.08 | 40.96 |
| | | *For Work In Restricted Working Space, Add* | *24.58* | |
| 23 21 13 23-2237 | EA | 6" x 4" Copper Concentric Reducer, Grooved | 1,152.70 | 45.27 |
| | | *For Work In Restricted Working Space, Add* | *27.17* | |
| 23 21 13 23-2238 | EA | 6" x 5" Copper Concentric Reducer, Grooved | 1,161.33 | 49.58 |
| | | *For Work In Restricted Working Space, Add* | *29.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2239 | EA | 8" x 6" Copper Concentric Reducer, Grooved | 1,986.96 | 61.44 |
| | | *For Work In Restricted Working Space, Add* | *36.86* | |

## 23 21 13 23-2240 Grooved X Cup Concentric Reducers *(23 21 13 23-2184)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2241 | EA | 2" x 1" Copper Concentric Reducer, Grooved X Cup | 168.76 | 13.80 |
| | | *For Work In Restricted Working Space, Add* | *8.25* | |
| 23 21 13 23-2242 | EA | 2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup | 169.84 | 14.33 |
| | | *For Work In Restricted Working Space, Add* | *8.57* | |
| 23 21 13 23-2243 | EA | 2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup | 173.13 | 15.96 |
| | | *For Work In Restricted Working Space, Add* | *9.56* | |
| 23 21 13 23-2244 | EA | 2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup | 203.57 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *9.24* | |
| 23 21 13 23-2245 | EA | 2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup | 204.64 | 15.96 |
| | | *For Work In Restricted Working Space, Add* | *9.56* | |
| 23 21 13 23-2246 | EA | 2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup | 207.81 | 17.57 |
| | | *For Work In Restricted Working Space, Add* | *10.51* | |
| 23 21 13 23-2247 | EA | 2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup | 212.11 | 19.62 |
| | | *For Work In Restricted Working Space, Add* | *11.80* | |
| 23 21 13 23-2248 | EA | 3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup | 253.92 | 19.62 |
| | | *For Work In Restricted Working Space, Add* | *11.80* | |
| 23 21 13 23-2249 | EA | 3" x 2" Copper Concentric Reducer, Grooved X Cup | 258.25 | 21.88 |
| | | *For Work In Restricted Working Space, Add* | *13.10* | |
| 23 21 13 23-2250 | EA | 4" x 2" Copper Concentric Reducer, Grooved X Cup | 450.55 | 26.09 |
| | | *For Work In Restricted Working Space, Add* | *15.69* | |

## 23 21 13 23-2251 Grooved Standard Couplings *(23 21 13 23-2184)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2252 | EA | 2" Copper Standard Coupling, Grooved | 58.64 | 8.83 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| 23 21 13 23-2253 | EA | 2-1/2" Copper Standard Coupling, Grooved | 68.48 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.44* | |
| 23 21 13 23-2254 | EA | 3" Copper Standard Coupling, Grooved | 77.37 | 12.82 |
| | | *For Work In Restricted Working Space, Add* | *7.69* | |
| 23 21 13 23-2255 | EA | 4" Copper Standard Coupling, Grooved | 113.54 | 17.24 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| 23 21 13 23-2256 | EA | 5" Copper Standard Coupling, Grooved | 177.66 | 21.46 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| 23 21 13 23-2257 | EA | 6" Copper Standard Coupling, Grooved | 234.12 | 28.02 |
| | | *For Work In Restricted Working Space, Add* | *16.84* | |
| 23 21 13 23-2258 | EA | 8" Copper Standard Coupling, Grooved | 343.91 | 33.41 |
| | | *For Work In Restricted Working Space, Add* | *20.05* | |

## 23 21 13 23-2259 Grooved Caps *(23 21 13 23-2184)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2260 | EA | 2" Copper Cap, Grooved | 99.64 | 8.83 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| 23 21 13 23-2261 | EA | 2-1/2" Copper Cap, Grooved | 143.17 | 10.78 |
| | | *For Work In Restricted Working Space, Add* | *6.44* | |
| 23 21 13 23-2262 | EA | 3" Copper Cap, Grooved | 176.65 | 12.82 |
| | | *For Work In Restricted Working Space, Add* | *7.69* | |
| 23 21 13 23-2263 | EA | 4" Copper Cap, Grooved | 260.89 | 17.13 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| 23 21 13 23-2264 | EA | 5" Copper Cap, Grooved | 444.61 | 21.46 |
| | | *For Work In Restricted Working Space, Add* | *12.87* | |
| 23 21 13 23-2265 | EA | 6" Copper Cap, Grooved | 518.49 | 28.02 |
| | | *For Work In Restricted Working Space, Add* | *16.84* | |

## 23 21 13 23-2266 Grooved Valves *(23 21 13 23-2183)*

## 23 21 13 23-2267 Grooved Butterfly Valves, Standard Trim, Without Operator *(23 21 13 23-2266)*

Note: Copper body.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2268 | EA | 2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body | 478.68 | 11.53 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| | | *For Chain Wheel, Add* | *43.45* | |
| | | *For Valve Bracket Insulation, Add* | *38.20* | |
| 23 21 13 23-2269 | EA | 3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body | 544.52 | 17.13 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| | | *For Chain Wheel, Add* | *43.45* | |
| | | *For Valve Bracket Insulation, Add* | *38.20* | |
| 23 21 13 23-2270 | EA | 4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body | 719.79 | 22.53 |
| | | *For Work In Restricted Working Space, Add* | *13.55* | |
| | | *For Chain Wheel, Add* | *43.45* | |
| | | *For Valve Bracket Insulation, Add* | *38.20* | |
| 23 21 13 23-2271 | EA | 6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body | 960.59 | 36.97 |
| | | *For Work In Restricted Working Space, Add* | *22.16* | |
| | | *For Chain Wheel, Add* | *43.45* | |
| | | *For Valve Bracket Insulation, Add* | *38.20* | |
| 23 21 13 23-2272 | EA | 8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body | 1,059.18 | 51.96 |
| | | *For Work In Restricted Working Space, Add* | *31.19* | |
| | | *For Chain Wheel, Add* | *43.45* | |
| | | *For Valve Bracket Insulation, Add* | *38.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 21 13 23-2273** | | **Grooved Butterfly Valves, Standard Trim, With Operator** *(23 21 13 23-2266)*<br>Note: Copper body. | | |
| 23 21 13 23-2274 | EA | 2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body | 584.74 | 11.53 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| | | *For Chain Wheel, Add* | *43.45* | |
| | | *For Valve Bracket Insulation, Add* | *38.20* | |
| 23 21 13 23-2275 | EA | 3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body | 650.65 | 17.13 |
| | | *For Work In Restricted Working Space, Add* | *10.30* | |
| | | *For Chain Wheel, Add* | *43.45* | |
| | | *For Valve Bracket Insulation, Add* | *38.20* | |
| 23 21 13 23-2276 | EA | 4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body | 825.92 | 22.53 |
| | | *For Work In Restricted Working Space, Add* | *13.55* | |
| | | *For Chain Wheel, Add* | *43.45* | |
| | | *For Valve Bracket Insulation, Add* | *38.20* | |
| 23 21 13 23-2277 | EA | 6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body | 1,066.79 | 36.97 |
| | | *For Work In Restricted Working Space, Add* | *22.16* | |
| | | *For Chain Wheel, Add* | *43.45* | |
| | | *For Valve Bracket Insulation, Add* | *38.20* | |
| 23 21 13 23-2278 | EA | 8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body | 1,165.31 | 51.96 |
| | | *For Work In Restricted Working Space, Add* | *31.19* | |
| | | *For Chain Wheel, Add* | *43.45* | |
| | | *For Valve Bracket Insulation, Add* | *38.20* | |
| **23 21 13 23-2279** | | **Polyvinyl Chloride (PVC) Pressure Pipe And Fittings** *(23 21 13 23)*<br>Note: Socket or back weld. | | |
| **23 21 13 23-2280** | | **Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings** *(23 21 13 23-2279)*<br>Note: ASTM D1785 with D2466 fittings. | | |
| **23 21 13 23-2281** | | **Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2282 | LF | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe | 5.12 | 3.08 |
| | | *For Work In Restricted Working Space, Add* | *1.39* | |
| 23 21 13 23-2283 | LF | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe | 6.42 | 3.85 |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| 23 21 13 23-2284 | LF | 1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe | 7.07 | 4.11 |
| | | *For Work In Restricted Working Space, Add* | *1.85* | |
| 23 21 13 23-2285 | LF | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe | 7.85 | 4.42 |
| | | *For Work In Restricted Working Space, Add* | *1.99* | |
| 23 21 13 23-2286 | LF | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe | 8.12 | 4.49 |
| | | *For Work In Restricted Working Space, Add* | *2.02* | |
| 23 21 13 23-2287 | LF | 2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe | 9.96 | 5.38 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 23 21 13 23-2288 | LF | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe | 12.56 | 6.40 |
| | | *For Work In Restricted Working Space, Add* | *2.87* | |
| 23 21 13 23-2289 | LF | 3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe | 15.46 | 7.73 |
| | | *For Work In Restricted Working Space, Add* | *3.48* | |
| 23 21 13 23-2290 | LF | 4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe | 22.96 | 11.58 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 23 21 13 23-2291 | LF | 6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe | 32.90 | 15.46 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2292 | LF | 8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe | 42.40 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *8.29* | |
| 23 21 13 23-2293 | LF | 10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe | 76.03 | 20.58 |
| | | *For Work In Restricted Working Space, Add* | *9.25* | |
| **23 21 13 23-2294** | | **Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2295 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows | 18.26 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 23 21 13 23-2296 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows | 24.40 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2297 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows | 30.93 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2298 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows | 44.68 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-2299 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows | 50.14 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2300 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows | 64.98 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2301 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows | 106.64 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2302 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows | 137.97 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2303 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows | 178.52 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 23 21 13 23-2304 | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows | 258.83 | 102.72 |
| | | *For Work In Restricted Working Space, Add* | *46.20* | |
| 23 21 13 23-2305 | EA | 8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows | 449.59 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| 23 21 13 23-2306 | EA | 10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows | 672.39 | 178.71 |
| | | *For Work In Restricted Working Space, Add* | *80.36* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 21 13 23-2307** | | **Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2308 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows | 18.70 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 23 21 13 23-2309 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows | 25.27 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2310 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows | 32.15 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2311 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows | 45.47 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-2312 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows | 51.89 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2313 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows | 66.11 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2314 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows | 106.64 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2315 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows | 145.29 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2316 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows | 191.87 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 23 21 13 23-2317 | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows | 260.05 | 102.72 |
| | | *For Work In Restricted Working Space, Add* | *46.20* | |
| 23 21 13 23-2318 | EA | 8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows | 434.85 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| 23 21 13 23-2319 | EA | 10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows | 672.39 | 178.71 |
| | | *For Work In Restricted Working Space, Add* | *80.36* | |
| **23 21 13 23-2320** | | **Schedule 40 Polyvinyl Chloride (PVC) Tees** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2321 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees | 29.80 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2322 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees | 35.90 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-2323 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Tees | 48.05 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2324 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees | 61.75 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2325 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees | 73.81 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 23 21 13 23-2326 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Tees | 92.42 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2327 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees | 134.04 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2328 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Tees | 161.69 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 23 21 13 23-2329 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Tees | 228.49 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| 23 21 13 23-2330 | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) Tees | 396.48 | 154.57 |
| | | *For Work In Restricted Working Space, Add* | *69.54* | |
| 23 21 13 23-2331 | EA | 8" Schedule 40 Polyvinyl Chloride (PVC) Tees | 669.45 | 191.76 |
| | | *For Work In Restricted Working Space, Add* | *86.23* | |
| 23 21 13 23-2332 | EA | 10" Schedule 40 Polyvinyl Chloride (PVC) Tees | 1,924.40 | 286.50 |
| | | *For Work In Restricted Working Space, Add* | *128.87* | |
| **23 21 13 23-2333** | | **Schedule 40 Polyvinyl Chloride (PVC) Crosses** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2334 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses | 37.57 | 23.93 |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 23 21 13 23-2335 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses | 45.24 | 29.00 |
| | | *For Work In Restricted Working Space, Add* | *13.04* | |
| 23 21 13 23-2336 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Crosses | 60.76 | 38.27 |
| | | *For Work In Restricted Working Space, Add* | *17.20* | |
| 23 21 13 23-2337 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses | 78.30 | 48.61 |
| | | *For Work In Restricted Working Space, Add* | *21.85* | |
| 23 21 13 23-2338 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses | 93.63 | 57.99 |
| | | *For Work In Restricted Working Space, Add* | *26.08* | |
| 23 21 13 23-2339 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Crosses | 117.50 | 71.90 |
| | | *For Work In Restricted Working Space, Add* | *32.34* | |
| 23 21 13 23-2340 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses | 174.10 | 94.65 |
| | | *For Work In Restricted Working Space, Add* | *42.55* | |
| 23 21 13 23-2341 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Crosses | 210.66 | 112.31 |
| | | *For Work In Restricted Working Space, Add* | *50.53* | |
| 23 21 13 23-2342 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Crosses | 301.14 | 149.82 |
| | | *For Work In Restricted Working Space, Add* | *67.37* | |
| 23 21 13 23-2343 | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) Crosses | 547.77 | 193.16 |
| | | *For Work In Restricted Working Space, Add* | *86.89* | |
| 23 21 13 23-2344 | EA | 8" Schedule 40 Polyvinyl Chloride (PVC) Crosses | 957.95 | 239.51 |
| | | *For Work In Restricted Working Space, Add* | *107.73* | |
| 23 21 13 23-2345 | EA | 10" Schedule 40 Polyvinyl Chloride (PVC) Crosses | 2,880.52 | 358.29 |
| | | *For Work In Restricted Working Space, Add* | *161.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 21 13 23-2346** | | **Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2347 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts | 18.81 | 11.86 |
| | | *For Work In Restricted Working Space, Add* | *5.41* | |
| 23 21 13 23-2348 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts | 24.74 | 15.20 |
| | | *For Work In Restricted Working Space, Add* | *6.92* | |
| 23 21 13 23-2349 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts | 33.03 | 20.37 |
| | | *For Work In Restricted Working Space, Add* | *9.26* | |
| 23 21 13 23-2350 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts | 40.73 | 25.33 |
| | | *For Work In Restricted Working Space, Add* | *11.54* | |
| 23 21 13 23-2351 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts | 50.13 | 30.50 |
| | | *For Work In Restricted Working Space, Add* | *13.89* | |
| 23 21 13 23-2352 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts | 70.32 | 42.37 |
| | | *For Work In Restricted Working Space, Add* | *19.27* | |
| 23 21 13 23-2353 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts | 97.91 | 58.53 |
| | | *For Work In Restricted Working Space, Add* | *26.63* | |
| 23 21 13 23-2354 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts | 130.98 | 72.76 |
| | | *For Work In Restricted Working Space, Add* | *33.09* | |
| 23 21 13 23-2355 | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts | 179.69 | 84.72 |
| | | *For Work In Restricted Working Space, Add* | *38.50* | |
| 23 21 13 23-2356 | EA | 8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts | 443.65 | 97.88 |
| | | *For Work In Restricted Working Space, Add* | *44.48* | |
| 23 21 13 23-2357 | EA | 10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts | 526.79 | 131.29 |
| | | *For Work In Restricted Working Space, Add* | *59.67* | |
| **23 21 13 23-2358** | | **Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2359 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 19.22 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 23 21 13 23-2360 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 25.01 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2361 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 31.02 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2362 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 44.16 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-2363 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 49.88 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2364 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 63.75 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2365 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 94.17 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2366 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 122.62 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2367 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 155.41 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| **23 21 13 23-2368** | | **Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2369 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 19.83 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 23 21 13 23-2370 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 25.62 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2371 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 32.24 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2372 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 44.86 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-2373 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 51.45 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2374 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 65.15 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2375 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 95.74 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2376 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 127.42 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2377 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 152.62 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| **23 21 13 23-2378** | | **Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2379 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 18.26 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 23 21 13 23-2380 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 24.31 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2381 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 30.06 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2382 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 42.76 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-2383 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 48.31 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2384 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 61.57 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2385 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 100.62 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2386 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 132.82 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2387 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 166.74 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| **23 21 13 23-2388** | | **Schedule 40 Polyvinyl Chloride (PVC) P-Traps** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2389 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps | 30.08 | 15.84 |
| | | *For Work In Restricted Working Space, Add* | *7.11* | |
| **23 21 13 23-2390** | | **Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2391 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings | 17.91 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 23 21 13 23-2392 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings | 23.88 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2393 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Couplings | 30.06 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2394 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings | 42.41 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-2395 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings | 47.79 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2396 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Couplings | 61.22 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2397 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings | 92.86 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2398 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Couplings | 123.84 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2399 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Couplings | 149.83 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 23 21 13 23-2400 | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) Couplings | 201.78 | 102.72 |
| | | *For Work In Restricted Working Space, Add* | *46.20* | |
| 23 21 13 23-2401 | EA | 8" Schedule 40 Polyvinyl Chloride (PVC) Couplings | 268.96 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| 23 21 13 23-2402 | EA | 10" Schedule 40 Polyvinyl Chloride (PVC) Couplings | 602.47 | 128.49 |
| | | *For Work In Restricted Working Space, Add* | *57.77* | |
| **23 21 13 23-2403** | | **Schedule 40 Polyvinyl Chloride (PVC) Unions** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2404 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions | 35.81 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2405 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions | 49.51 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-2406 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Unions | 62.35 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2407 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions | 98.38 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2408 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions | 111.40 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 23 21 13 23-2409 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Unions | 142.66 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2410 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions | 215.85 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2411 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Unions | 243.24 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 23 21 13 23-2412 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Unions | 394.81 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| 23 21 13 23-2413 | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) Unions | 520.13 | 154.57 |
| | | *For Work In Restricted Working Space, Add* | *69.51* | |
| 23 21 13 23-2414 | EA | 8" Schedule 40 Polyvinyl Chloride (PVC) Unions | 763.14 | 191.65 |
| | | *For Work In Restricted Working Space, Add* | *86.19* | |
| 23 21 13 23-2415 | EA | 10" Schedule 40 Polyvinyl Chloride (PVC) Unions | 1,141.06 | 237.89 |
| | | *For Work In Restricted Working Space, Add* | *107.02* | |
| **23 21 13 23-2416** | | **Schedule 40 Polyvinyl Chloride (PVC) Caps** *(23 21 13 23-2280)* | | |
| 23 21 13 23-2417 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps | 8.66 | 5.26 |
| | | *For Work In Restricted Working Space, Add* | *2.39* | |
| 23 21 13 23-2418 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps | 11.31 | 6.90 |
| | | *For Work In Restricted Working Space, Add* | *3.13* | |
| 23 21 13 23-2419 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Caps | 14.33 | 8.51 |
| | | *For Work In Restricted Working Space, Add* | *3.88* | |
| 23 21 13 23-2420 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps | 20.52 | 12.28 |
| | | *For Work In Restricted Working Space, Add* | *5.58* | |
| 23 21 13 23-2421 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps | 22.73 | 13.58 |
| | | *For Work In Restricted Working Space, Add* | *6.19* | |
| 23 21 13 23-2422 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Caps | 28.74 | 17.36 |
| | | *For Work In Restricted Working Space, Add* | *7.86* | |
| 23 21 13 23-2423 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps | 47.09 | 25.66 |
| | | *For Work In Restricted Working Space, Add* | *11.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2424 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Caps | 60.04 | 33.73 |
| | | *For Work In Restricted Working Space, Add* | *15.32* | |
| 23 21 13 23-2425 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Caps | 81.21 | 39.99 |
| | | *For Work In Restricted Working Space, Add* | *18.19* | |
| 23 21 13 23-2426 | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) Caps | 118.58 | 45.70 |
| | | *For Work In Restricted Working Space, Add* | *20.79* | |
| 23 21 13 23-2427 | EA | 8" Schedule 40 Polyvinyl Chloride (PVC) Caps | 245.69 | 53.36 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| 23 21 13 23-2428 | EA | 10" Schedule 40 Polyvinyl Chloride (PVC) Caps | 730.46 | 79.55 |
| | | *For Work In Restricted Working Space, Add* | *36.16* | |

### 23 21 13 23-2429 Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2280)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2430 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Socket Weld Flanges | 46.28 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2431 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 61.63 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-2432 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 75.78 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2433 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 89.05 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2434 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 101.02 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 23 21 13 23-2435 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 128.09 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2436 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 178.09 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2437 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 206.08 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 23 21 13 23-2438 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 270.00 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| 23 21 13 23-2439 | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 373.78 | 154.57 |
| | | *For Work In Restricted Working Space, Add* | *69.51* | |
| 23 21 13 23-2440 | EA | 8" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 607.81 | 191.65 |
| | | *For Work In Restricted Working Space, Add* | *86.19* | |
| 23 21 13 23-2441 | EA | 10" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 1,078.57 | 237.57 |
| | | *For Work In Restricted Working Space, Add* | *106.85* | |

### 23 21 13 23-2442 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2279)*

Note: ASTM D1785 with D2467 fittings.

### 23 21 13 23-2443 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2442)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2444 | LF | 1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe | 5.26 | 3.12 |
| | | *For Work In Restricted Working Space, Add* | *1.39* | |
| 23 21 13 23-2445 | LF | 3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe | 6.60 | 3.88 |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| 23 21 13 23-2446 | LF | 1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe | 8.14 | 4.63 |
| | | *For Work In Restricted Working Space, Add* | *2.08* | |
| 23 21 13 23-2447 | LF | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe | 9.74 | 5.39 |
| | | *For Work In Restricted Working Space, Add* | *2.43* | |
| 23 21 13 23-2448 | LF | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe | 11.21 | 6.14 |
| | | *For Work In Restricted Working Space, Add* | *2.78* | |
| 23 21 13 23-2449 | LF | 2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe | 14.43 | 7.76 |
| | | *For Work In Restricted Working Space, Add* | *3.48* | |
| 23 21 13 23-2450 | LF | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe | 16.97 | 8.51 |
| | | *For Work In Restricted Working Space, Add* | *3.83* | |
| 23 21 13 23-2451 | LF | 3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe | 19.52 | 9.27 |
| | | *For Work In Restricted Working Space, Add* | *4.17* | |
| 23 21 13 23-2452 | LF | 4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe | 25.62 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 23 21 13 23-2453 | LF | 6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe | 38.83 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2454 | LF | 8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe | 51.48 | 18.43 |
| | | *For Work In Restricted Working Space, Add* | *8.29* | |
| 23 21 13 23-2455 | LF | 10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe | 103.21 | 19.83 |
| | | *For Work In Restricted Working Space, Add* | *8.93* | |

### 23 21 13 23-2456 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2442)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2457 | EA | 1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows | 20.53 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| | | *For Threaded Fittings, Add* | *2.61* | |
| 23 21 13 23-2458 | EA | 3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows | 27.28 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| | | *For Threaded Fittings, Add* | *3.48* | |
| 23 21 13 23-2459 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows | 35.38 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| | | *For Threaded Fittings, Add* | *4.31* | |
| 23 21 13 23-2460 | EA | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows | 49.48 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| | | *For Threaded Fittings, Add* | *6.10* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2461 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows | 55.29 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| | | *For Threaded Fittings, Add* | *6.88* | |
| 23 21 13 23-2462 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows | 69.69 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| | | *For Threaded Fittings, Add* | *8.74* | |
| 23 21 13 23-2463 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows | 113.01 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| | | *For Threaded Fittings, Add* | *12.93* | |
| 23 21 13 23-2464 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows | 143.55 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| | | *For Threaded Fittings, Add* | *17.02* | |
| 23 21 13 23-2465 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows | 180.44 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| | | *For Threaded Fittings, Add* | *20.21* | |
| 23 21 13 23-2466 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows | 319.09 | 102.72 |
| | | *For Work In Restricted Working Space, Add* | *46.20* | |
| | | *For Threaded Fittings, Add* | *23.10* | |
| 23 21 13 23-2467 | EA | 8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows | 538.55 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| | | *For Threaded Fittings, Add* | *26.95* | |
| 23 21 13 23-2468 | EA | 10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows | 672.39 | 178.71 |
| | | *For Work In Restricted Working Space, Add* | *80.36* | |
| | | *For Threaded Fittings, Add* | *40.18* | |
| **23 21 13 23-2469** | | **Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(23 21 13 23-2442)* | | |
| 23 21 13 23-2470 | EA | 1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows | 23.41 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| | | *For Threaded Fittings, Add* | *2.61* | |
| 23 21 13 23-2471 | EA | 3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows | 32.34 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| | | *For Threaded Fittings, Add* | *3.48* | |
| 23 21 13 23-2472 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows | 42.53 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| | | *For Threaded Fittings, Add* | *4.31* | |
| 23 21 13 23-2473 | EA | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows | 58.29 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| | | *For Threaded Fittings, Add* | *6.10* | |
| 23 21 13 23-2474 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows | 66.63 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| | | *For Threaded Fittings, Add* | *6.88* | |
| 23 21 13 23-2475 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows | 85.21 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| | | *For Threaded Fittings, Add* | *8.74* | |
| 23 21 13 23-2476 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows | 142.93 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| | | *For Threaded Fittings, Add* | *12.93* | |
| 23 21 13 23-2477 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows | 182.45 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| | | *For Threaded Fittings, Add* | *17.02* | |
| 23 21 13 23-2478 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows | 259.03 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| | | *For Threaded Fittings, Add* | *20.21* | |
| 23 21 13 23-2479 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows | 310.47 | 102.72 |
| | | *For Work In Restricted Working Space, Add* | *46.20* | |
| | | *For Threaded Fittings, Add* | *23.10* | |
| 23 21 13 23-2480 | EA | 8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows | 518.95 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| | | *For Threaded Fittings, Add* | *26.95* | |
| 23 21 13 23-2481 | EA | 10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows | 650.35 | 178.71 |
| | | *For Work In Restricted Working Space, Add* | *80.36* | |
| | | *For Threaded Fittings, Add* | *40.18* | |
| **23 21 13 23-2482** | | **Schedule 80 Polyvinyl Chloride (PVC) Tees** *(23 21 13 23-2442)* | | |
| 23 21 13 23-2483 | EA | 1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees | 36.27 | 18.21 |
| | | *For Work In Restricted Working Space, Add* | *8.19* | |
| | | *For Threaded Fittings, Add* | *4.09* | |
| 23 21 13 23-2484 | EA | 3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees | 44.19 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| | | *For Threaded Fittings, Add* | *5.22* | |
| 23 21 13 23-2485 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) Tees | 57.65 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| | | *For Threaded Fittings, Add* | *6.88* | |
| 23 21 13 23-2486 | EA | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees | 90.80 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| | | *For Threaded Fittings, Add* | *8.74* | |
| 23 21 13 23-2487 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees | 102.08 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| | | *For Threaded Fittings, Add* | *10.43* | |
| 23 21 13 23-2488 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) Tees | 126.96 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| | | *For Threaded Fittings, Add* | *12.93* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2489 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees | 157.77 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| | | *For Threaded Fittings, Add* | *17.02* | |
| 23 21 13 23-2490 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) Tees | 190.04 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| | | *For Threaded Fittings, Add* | *20.21* | |
| 23 21 13 23-2491 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) Tees | 243.76 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| | | *For Threaded Fittings, Add* | *26.95* | |
| 23 21 13 23-2492 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) Tees | 450.83 | 154.57 |
| | | *For Work In Restricted Working Space, Add* | *69.54* | |
| | | *For Threaded Fittings, Add* | *34.77* | |
| 23 21 13 23-2493 | EA | 8" Schedule 80 Polyvinyl Chloride (PVC) Tees | 795.43 | 191.76 |
| | | *For Work In Restricted Working Space, Add* | *86.23* | |
| | | *For Threaded Fittings, Add* | *43.12* | |
| 23 21 13 23-2494 | EA | 10" Schedule 80 Polyvinyl Chloride (PVC) Tees | 1,924.50 | 286.50 |
| | | *For Work In Restricted Working Space, Add* | *128.87* | |
| | | *For Threaded Fittings, Add* | *64.44* | |

## 23 21 13 23-2495 Schedule 80 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2442)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2496 | EA | 1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses | 48.19 | 22.74 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| | | *For Threaded Fittings, Add* | *5.12* | |
| 23 21 13 23-2497 | EA | 3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses | 58.22 | 29.00 |
| | | *For Work In Restricted Working Space, Add* | *13.04* | |
| | | *For Threaded Fittings, Add* | *6.52* | |
| 23 21 13 23-2498 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) Crosses | 75.79 | 38.27 |
| | | *For Work In Restricted Working Space, Add* | *17.20* | |
| | | *For Threaded Fittings, Add* | *8.60* | |
| 23 21 13 23-2499 | EA | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses | 123.83 | 48.61 |
| | | *For Work In Restricted Working Space, Add* | *21.85* | |
| | | *For Threaded Fittings, Add* | *10.92* | |
| 23 21 13 23-2500 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses | 137.93 | 57.99 |
| | | *For Work In Restricted Working Space, Add* | *26.08* | |
| | | *For Threaded Fittings, Add* | *13.04* | |
| 23 21 13 23-2501 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses | 171.64 | 71.90 |
| | | *For Work In Restricted Working Space, Add* | *32.34* | |
| | | *For Threaded Fittings, Add* | *16.17* | |
| 23 21 13 23-2502 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses | 211.30 | 94.65 |
| | | *For Work In Restricted Working Space, Add* | *42.55* | |
| | | *For Threaded Fittings, Add* | *21.27* | |
| 23 21 13 23-2503 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses | 255.11 | 112.31 |
| | | *For Work In Restricted Working Space, Add* | *50.53* | |
| | | *For Threaded Fittings, Add* | *25.26* | |
| 23 21 13 23-2504 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses | 325.07 | 149.82 |
| | | *For Work In Restricted Working Space, Add* | *67.37* | |
| | | *For Threaded Fittings, Add* | *33.69* | |
| 23 21 13 23-2505 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses | 632.98 | 193.16 |
| | | *For Work In Restricted Working Space, Add* | *86.89* | |
| | | *For Threaded Fittings, Add* | *43.45* | |
| 23 21 13 23-2506 | EA | 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses | 1,155.44 | 239.51 |
| | | *For Work In Restricted Working Space, Add* | *107.73* | |
| | | *For Threaded Fittings, Add* | *53.87* | |
| 23 21 13 23-2507 | EA | 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses | 2,880.68 | 358.29 |
| | | *For Work In Restricted Working Space, Add* | *161.17* | |
| | | *For Threaded Fittings, Add* | *80.58* | |

## 23 21 13 23-2508 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2442)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2509 | EA | 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts | 25.01 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2510 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts | 34.07 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2511 | EA | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts | 49.04 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-2512 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts | 57.29 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2513 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts | 74.57 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2514 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts | 114.49 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2515 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts | 158.38 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2516 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts | 197.01 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 23 21 13 23-2517 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts | 223.06 | 102.72 |
| | | *For Work In Restricted Working Space, Add* | *46.20* | |
| 23 21 13 23-2518 | EA | 8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts | 332.97 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| 23 21 13 23-2519 | EA | 10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts | 536.63 | 139.16 |
| | | *For Work In Restricted Working Space, Add* | *62.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 23 21 13 23-2520 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2442)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2521 | EA | 1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 18.00 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 23 21 13 23-2522 | EA | 3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 26.58 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2523 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 34.07 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2524 | EA | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 51.48 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-2525 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 59.48 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2526 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 74.92 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2527 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 121.46 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2528 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 178.70 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2529 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts | 235.04 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |

## 23 21 13 23-2530 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2442)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2531 | EA | 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 24.80 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 23 21 13 23-2532 | EA | 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 31.38 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2533 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 43.05 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2534 | EA | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 57.42 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-2535 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 69.94 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2536 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 89.66 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2537 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 121.99 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2538 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 153.14 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2539 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters | 205.30 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |

## 23 21 13 23-2540 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2442)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2541 | EA | 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 22.80 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| 23 21 13 23-2542 | EA | 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 31.20 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 21 13 23-2543 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 40.61 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2544 | EA | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 59.94 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| 23 21 13 23-2545 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 69.51 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2546 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 99.43 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2547 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 151.29 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2548 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 186.72 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2549 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters | 260.68 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |

## 23 21 13 23-2550 Schedule 80 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2442)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2551 | EA | 1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings | 23.15 | 11.64 |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| | | *For Threaded Fittings, Add* | *2.61* | |
| 23 21 13 23-2552 | EA | 3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings | 30.94 | 15.41 |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| | | *For Threaded Fittings, Add* | *3.48* | |
| 23 21 13 23-2553 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) Couplings | 36.77 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| | | *For Threaded Fittings, Add* | *4.31* | |
| 23 21 13 23-2554 | EA | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings | 52.97 | 27.17 |
| | | *For Work In Restricted Working Space, Add* | *12.20* | |
| | | *For Threaded Fittings, Add* | *6.10* | |
| 23 21 13 23-2555 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings | 59.13 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| | | *For Threaded Fittings, Add* | *6.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2556 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) Couplings | 72.39 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| | | *For Threaded Fittings, Add* | *8.74* | |
| 23 21 13 23-2557 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings | 121.20 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| | | *For Threaded Fittings, Add* | *12.93* | |
| 23 21 13 23-2558 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) Couplings | 153.67 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| | | *For Threaded Fittings, Add* | *17.02* | |
| 23 21 13 23-2559 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) Couplings | 185.15 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| | | *For Threaded Fittings, Add* | *20.21* | |
| 23 21 13 23-2560 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) Couplings | 262.40 | 102.72 |
| | | *For Work In Restricted Working Space, Add* | *46.20* | |
| | | *For Threaded Fittings, Add* | *23.10* | |
| 23 21 13 23-2561 | EA | 8" Schedule 80 Polyvinyl Chloride (PVC) Couplings | 327.22 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| | | *For Threaded Fittings, Add* | *26.95* | |
| 23 21 13 23-2562 | EA | 10" Schedule 80 Polyvinyl Chloride (PVC) Couplings | 628.64 | 128.49 |
| | | *For Work In Restricted Working Space, Add* | *57.77* | |
| | | *For Threaded Fittings, Add* | *28.88* | |

## 23 21 13 23-2563 Schedule 80 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2442)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2564 | EA | 1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions | 41.66 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| 23 21 13 23-2565 | EA | 3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions | 49.68 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| 23 21 13 23-2566 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) Unions | 62.88 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| 23 21 13 23-2567 | EA | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions | 100.82 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| 23 21 13 23-2568 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions | 124.31 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| 23 21 13 23-2569 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) Unions | 160.45 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| 23 21 13 23-2570 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions | 251.66 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| 23 21 13 23-2571 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) Unions | 312.87 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| 23 21 13 23-2572 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) Unions | 395.33 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| 23 21 13 23-2573 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) Unions | 520.13 | 154.57 |
| | | *For Work In Restricted Working Space, Add* | *69.51* | |
| 23 21 13 23-2574 | EA | 8" Schedule 80 Polyvinyl Chloride (PVC) Unions | 763.14 | 191.65 |
| | | *For Work In Restricted Working Space, Add* | *86.19* | |
| 23 21 13 23-2575 | EA | 10" Schedule 80 Polyvinyl Chloride (PVC) Unions | 1,140.50 | 237.57 |
| | | *For Work In Restricted Working Space, Add* | *106.85* | |

## 23 21 13 23-2576 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions *(23 21 13 23-2442)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2577 | EA | 1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union | 43.62 | 23.95 |
| 23 21 13 23-2578 | EA | 3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union | 52.27 | 27.70 |
| 23 21 13 23-2579 | EA | 1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union | 63.46 | 32.66 |
| 23 21 13 23-2580 | EA | 1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union | 85.77 | 38.91 |
| 23 21 13 23-2581 | EA | 1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union | 103.44 | 46.35 |
| 23 21 13 23-2582 | EA | 2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union | 138.00 | 57.56 |
| 23 21 13 23-2583 | EA | 3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union | 298.37 | 111.57 |
| 23 21 13 23-2584 | EA | 4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union | 323.05 | 123.75 |

## 23 21 13 23-2585 Schedule 80 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2442)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2586 | EA | 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps | 15.94 | 5.18 |
| | | *For Work In Restricted Working Space, Add* | *2.35* | |
| | | *For Threaded Fittings, Add* | *1.17* | |
| 23 21 13 23-2587 | EA | 3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps | 18.99 | 6.90 |
| | | *For Work In Restricted Working Space, Add* | *3.13* | |
| | | *For Threaded Fittings, Add* | *1.57* | |
| 23 21 13 23-2588 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) Caps | 28.10 | 8.51 |
| | | *For Work In Restricted Working Space, Add* | *3.88* | |
| | | *For Threaded Fittings, Add* | *1.94* | |
| 23 21 13 23-2589 | EA | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps | 36.62 | 12.08 |
| | | *For Work In Restricted Working Space, Add* | *5.49* | |
| | | *For Threaded Fittings, Add* | *2.75* | |
| 23 21 13 23-2590 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps | 38.96 | 13.58 |
| | | *For Work In Restricted Working Space, Add* | *6.19* | |
| | | *For Threaded Fittings, Add* | *3.10* | |
| 23 21 13 23-2591 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) Caps | 53.68 | 17.36 |
| | | *For Work In Restricted Working Space, Add* | *7.86* | |
| | | *For Threaded Fittings, Add* | *3.93* | |
| 23 21 13 23-2592 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps | 95.23 | 25.66 |
| | | *For Work In Restricted Working Space, Add* | *11.64* | |
| | | *For Threaded Fittings, Add* | *5.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2593 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) Caps | 120.05 | 33.73 |
| | | *For Work In Restricted Working Space, Add* | *15.32* | |
| | | *For Threaded Fittings, Add* | *7.66* | |
| 23 21 13 23-2594 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) Caps | 171.57 | 39.99 |
| | | *For Work In Restricted Working Space, Add* | *18.19* | |
| | | *For Threaded Fittings, Add* | *9.09* | |
| 23 21 13 23-2595 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) Caps | 344.91 | 45.70 |
| | | *For Work In Restricted Working Space, Add* | *20.79* | |
| | | *For Threaded Fittings, Add* | *10.40* | |
| 23 21 13 23-2596 | EA | 8" Schedule 80 Polyvinyl Chloride (PVC) Caps | 459.46 | 53.36 |
| | | *For Work In Restricted Working Space, Add* | *24.26* | |
| | | *For Threaded Fittings, Add* | *12.13* | |
| 23 21 13 23-2597 | EA | 10" Schedule 80 Polyvinyl Chloride (PVC) Caps | 817.67 | 79.55 |
| | | *For Work In Restricted Working Space, Add* | *36.16* | |
| | | *For Threaded Fittings, Add* | *18.08* | |

## 23 21 13 23-2598 Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2442)*

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2599 | EA | 1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 53.78 | 19.19 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| | | *For Threaded Fittings, Add* | *4.31* | |
| 23 21 13 23-2600 | EA | 3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 61.63 | 23.18 |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |
| | | *For Threaded Fittings, Add* | *5.22* | |
| 23 21 13 23-2601 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 75.79 | 30.61 |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| | | *For Threaded Fittings, Add* | *6.88* | |
| 23 21 13 23-2602 | EA | 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 89.05 | 38.91 |
| | | *For Work In Restricted Working Space, Add* | *17.48* | |
| | | *For Threaded Fittings, Add* | *8.74* | |
| 23 21 13 23-2603 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 101.03 | 46.35 |
| | | *For Work In Restricted Working Space, Add* | *20.86* | |
| | | *For Threaded Fittings, Add* | *10.43* | |
| 23 21 13 23-2604 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 128.09 | 57.56 |
| | | *For Work In Restricted Working Space, Add* | *25.87* | |
| | | *For Threaded Fittings, Add* | *12.93* | |
| 23 21 13 23-2605 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 178.09 | 75.67 |
| | | *For Work In Restricted Working Space, Add* | *34.04* | |
| | | *For Threaded Fittings, Add* | *17.02* | |
| 23 21 13 23-2606 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 206.08 | 89.90 |
| | | *For Work In Restricted Working Space, Add* | *40.42* | |
| | | *For Threaded Fittings, Add* | *20.21* | |
| 23 21 13 23-2607 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 270.01 | 119.87 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |
| | | *For Threaded Fittings, Add* | *26.95* | |
| 23 21 13 23-2608 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 373.79 | 154.57 |
| | | *For Work In Restricted Working Space, Add* | *69.51* | |
| | | *For Threaded Fittings, Add* | *34.76* | |
| 23 21 13 23-2609 | EA | 8" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 607.81 | 191.65 |
| | | *For Work In Restricted Working Space, Add* | *86.19* | |
| | | *For Threaded Fittings, Add* | *43.09* | |
| 23 21 13 23-2610 | EA | 10" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges | 1,078.57 | 237.57 |
| | | *For Work In Restricted Working Space, Add* | *106.85* | |
| | | *For Threaded Fittings, Add* | *53.43* | |

## 23 21 13 23-2611 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2279)*

Note: In place pipe.

| | | | | |
|---|---|---|---|---|
| 23 21 13 23-2612 | EA | 1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe | 5.85 | |
| | | *For Work In Restricted Working Space, Add* | *1.76* | |
| 23 21 13 23-2613 | EA | 3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe | 6.32 | |
| | | *For Work In Restricted Working Space, Add* | *1.90* | |
| 23 21 13 23-2614 | EA | 1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe | 7.11 | |
| | | *For Work In Restricted Working Space, Add* | *2.13* | |
| 23 21 13 23-2615 | EA | 1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe | 7.46 | |
| | | *For Work In Restricted Working Space, Add* | *2.24* | |
| 23 21 13 23-2616 | EA | 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe | 7.90 | |
| | | *For Work In Restricted Working Space, Add* | *2.37* | |
| 23 21 13 23-2617 | EA | 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe | 8.69 | |
| | | *For Work In Restricted Working Space, Add* | *2.61* | |
| 23 21 13 23-2618 | EA | 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe | 9.36 | |
| | | *For Work In Restricted Working Space, Add* | *2.81* | |
| 23 21 13 23-2619 | EA | 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe | 11.06 | |
| | | *For Work In Restricted Working Space, Add* | *3.32* | |
| 23 21 13 23-2620 | EA | 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe | 14.92 | |
| | | *For Work In Restricted Working Space, Add* | *4.48* | |
| 23 21 13 23-2621 | EA | 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe | 21.32 | |
| | | *For Work In Restricted Working Space, Add* | *6.40* | |
| 23 21 13 23-2622 | EA | 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe | 28.44 | |
| | | *For Work In Restricted Working Space, Add* | *8.53* | |
| 23 21 13 23-2623 | EA | 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe | 34.78 | |
| | | *For Work In Restricted Working Space, Add* | *10.43* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 21 13 23-2624** | | **Polyvinylidene Fluoride (PVDF), Socket Weld** *(23 21 13 23)* | | |
| **23 21 13 23-2625** | | **Pipe** *(23 21 13 23-2624)* | | |
| 23 21 13 23-2626 | LF | 1/2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld | 41.48 | 3.12 |
| 23 21 13 23-2627 | LF | 3/4" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld | 55.57 | 3.88 |
| 23 21 13 23-2628 | LF | 1" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld | 78.70 | 4.10 |
| 23 21 13 23-2629 | LF | 1-1/2" Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld | 110.35 | 4.52 |
| 23 21 13 23-2630 | LF | 2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld | 139.89 | 5.39 |
| **23 21 13 23-2631** | | **90 Degree Elbows** *(23 21 13 23-2624)* | | |
| 23 21 13 23-2632 | EA | 1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 47.62 | 11.53 |
| 23 21 13 23-2633 | EA | 3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 63.59 | 15.41 |
| 23 21 13 23-2634 | EA | 1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 105.75 | 19.19 |
| 23 21 13 23-2635 | EA | 1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 183.76 | 30.61 |
| 23 21 13 23-2636 | EA | 2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 239.67 | 38.91 |
| **23 21 13 23-2637** | | **45 Degree Elbows** *(23 21 13 23-2624)* | | |
| 23 21 13 23-2638 | EA | 1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 55.25 | 11.64 |
| 23 21 13 23-2639 | EA | 3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 74.32 | 15.41 |
| 23 21 13 23-2640 | EA | 1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 105.75 | 19.19 |
| 23 21 13 23-2641 | EA | 1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 158.05 | 30.61 |
| 23 21 13 23-2642 | EA | 2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 232.88 | 38.91 |
| **23 21 13 23-2643** | | **Tees** *(23 21 13 23-2624)* | | |
| 23 21 13 23-2644 | EA | 1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 88.65 | 19.19 |
| 23 21 13 23-2645 | EA | 3/4" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 98.35 | 23.18 |
| 23 21 13 23-2646 | EA | 1" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 142.79 | 30.61 |
| 23 21 13 23-2647 | EA | 1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 235.40 | 46.35 |
| 23 21 13 23-2648 | EA | 2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 347.32 | 57.56 |
| **23 21 13 23-2649** | | **Reducing Tees** *(23 21 13 23-2624)* | | |
| 23 21 13 23-2650 | EA | 3/4" x 1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 100.99 | 21.56 |
| 23 21 13 23-2651 | EA | 1" x 1/2" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 141.99 | 25.11 |
| 23 21 13 23-2652 | EA | 1" x 3/4" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 145.23 | 27.27 |
| 23 21 13 23-2653 | EA | 1-1/2" x 1" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 250.35 | 38.80 |
| 23 21 13 23-2654 | EA | 2" x 1-1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 375.71 | 51.73 |
| **23 21 13 23-2655** | | **Socket Weld Reducing Couplings** *(23 21 13 23-2624)* | | |
| 23 21 13 23-2656 | EA | 3/4" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 54.10 | 13.69 |
| 23 21 13 23-2657 | EA | 1" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 69.49 | 15.84 |
| 23 21 13 23-2658 | EA | 1" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 76.40 | 18.00 |
| 23 21 13 23-2659 | EA | 1-1/2" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 117.11 | 21.56 |
| 23 21 13 23-2660 | EA | 1-1/2" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 125.15 | 23.71 |
| 23 21 13 23-2661 | EA | 1-1/2" x 1" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 127.30 | 25.11 |
| 23 21 13 23-2662 | EA | 2" x 1-1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 179.41 | 35.25 |
| **23 21 13 23-2663** | | **Male Adapters, Socket Weld X Male Thread** *(23 21 13 23-2624)* | | |
| 23 21 13 23-2664 | EA | 1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 77.29 | 11.64 |
| 23 21 13 23-2665 | EA | 3/4" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 98.62 | 15.41 |
| 23 21 13 23-2666 | EA | 1" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 113.52 | 19.19 |
| 23 21 13 23-2667 | EA | 1-1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 145.33 | 30.61 |
| 23 21 13 23-2668 | EA | 2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 197.51 | 38.80 |
| **23 21 13 23-2669** | | **Female Adapters, Socket Weld X Female Thread** *(23 21 13 23-2624)* | | |
| 23 21 13 23-2670 | EA | 1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 77.29 | 11.64 |
| 23 21 13 23-2671 | EA | 3/4" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 98.91 | 15.41 |
| 23 21 13 23-2672 | EA | 1" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 113.52 | 19.19 |
| 23 21 13 23-2673 | EA | 1-1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 145.33 | 30.61 |
| 23 21 13 23-2674 | EA | 2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 197.56 | 38.91 |
| **23 21 13 23-2675** | | **Socket Weld Couplings** *(23 21 13 23-2624)* | | |
| 23 21 13 23-2676 | EA | 1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 38.58 | 11.64 |
| 23 21 13 23-2677 | EA | 3/4" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 49.46 | 15.41 |
| 23 21 13 23-2678 | EA | 1" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 64.07 | 19.19 |
| 23 21 13 23-2679 | EA | 1-1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 119.34 | 30.61 |
| 23 21 13 23-2680 | EA | 2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 164.22 | 38.91 |
| **23 21 13 23-2681** | | **Socket Weld Unions** *(23 21 13 23-2624)* | | |
| 23 21 13 23-2682 | EA | 1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 160.14 | 19.19 |
| 23 21 13 23-2683 | EA | 3/4" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 191.87 | 23.18 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2684 | EA | 1" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 276.72 | 30.61 |
| 23 21 13 23-2685 | EA | 1-1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 486.32 | 46.35 |
| 23 21 13 23-2686 | EA | 2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 599.08 | 57.56 |
| **23 21 13 23-2687** | | **Caps** *(23 21 13 23-2624)* | | |
| 23 21 13 23-2688 | EA | 1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 29.67 | 5.81 |
| 23 21 13 23-2689 | EA | 3/4" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 41.96 | 7.72 |
| 23 21 13 23-2690 | EA | 1" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 52.76 | 9.55 |
| 23 21 13 23-2691 | EA | 1-1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 93.58 | 15.27 |
| 23 21 13 23-2692 | EA | 2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 133.08 | 19.38 |
| **23 21 13 23-2693** | | **150 Lb. Socket Weld Flanges** *(23 21 13 23-2624)* | | |
| 23 21 13 23-2694 | EA | 1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 108.15 | 19.40 |
| 23 21 13 23-2695 | EA | 3/4" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 136.49 | 22.96 |
| 23 21 13 23-2696 | EA | 1" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 179.80 | 30.93 |
| 23 21 13 23-2697 | EA | 1-1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 258.86 | 46.78 |
| 23 21 13 23-2698 | EA | 2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld | 411.18 | 57.56 |
| **23 21 13 23-2699** | | **Polyethylene Pipe And Fittings** *(23 21 13 23)* | | |
| **23 21 13 23-2700** | | **Small Diameter Tubing** *(23 21 13 23-2699)* | | |
| **23 21 13 23-2701** | | **Tubing** *(23 21 13 23-2700)* | | |
| 23 21 13 23-2702 | LF | 1/4" Polyethylene Tubing | 3.48 | |
| | | *For Work In Restricted Working Space, Add* | *0.98* | |
| 23 21 13 23-2703 | LF | 5/16" Polyethylene Tubing | 3.75 | |
| | | *For Work In Restricted Working Space, Add* | *1.00* | |
| 23 21 13 23-2704 | LF | 3/8" Polyethylene Tubing | 3.94 | |
| | | *For Work In Restricted Working Space, Add* | *1.01* | |
| 23 21 13 23-2705 | LF | 1/2" Polyethylene Tubing | 4.08 | |
| | | *For Work In Restricted Working Space, Add* | *1.10* | |
| **23 21 13 23-2706** | | **Female Copper Thread x Straight Compression Connection** *(23 21 13 23-2700)* | | |
| | | Note: Ford C04. | | |
| 23 21 13 23-2707 | EA | 3/4" Copper X 3/4" P.E. Straight Compression Connection | 28.82 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *4.92* | |
| 23 21 13 23-2708 | EA | 3/4" Copper X 1" P.E. Straight Compression Connection | 33.12 | 9.36 |
| | | *For Work In Restricted Working Space, Add* | *5.62* | |
| 23 21 13 23-2709 | EA | 1" Copper X 1" P.E. Straight Compression Connection | 38.86 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 23 21 13 23-2710 | EA | 1-1/4" Copper X 1" P.E. Straight Compression Connection | 44.94 | 11.12 |
| | | *For Work In Restricted Working Space, Add* | *6.67* | |
| 23 21 13 23-2711 | EA | 1-1/4" Copper X 1-1/4" P.E. Straight Compression Connection | 51.04 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 23 21 13 23-2712 | EA | 1-1/2" Copper X 1-1/2" P.E. Straight Compression Connection | 69.77 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *7.73* | |
| 23 21 13 23-2713 | EA | 2" Copper X 2" P.E. Straight Compression Connection | 80.55 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| **23 21 13 23-2714** | | **Female Copper Thread x Compression Connection** *(23 21 13 23-2700)* | | |
| | | Note: Ford L04. | | |
| 23 21 13 23-2715 | EA | 3/4" Copper X 3/4" P.E. Compression Connection | 34.33 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *4.92* | |
| 23 21 13 23-2716 | EA | 3/4" Copper X 1" P.E. Compression Connection | 40.27 | 9.36 |
| | | *For Work In Restricted Working Space, Add* | *5.62* | |
| 23 21 13 23-2717 | EA | 1" Copper X 1" P.E. Compression Connection | 48.00 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 23 21 13 23-2718 | EA | 1-1/2" Copper X 1-1/2" P.E. Compression Connection | 87.92 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *7.73* | |
| 23 21 13 23-2719 | EA | 2" Copper X 2" P.E. Compression Connection | 99.80 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| **23 21 13 23-2720** | | **Male Iron Pipe Thread x Straight Compression Connection** *(23 21 13 23-2700)* | | |
| | | Note: Ford C84. | | |
| 23 21 13 23-2721 | EA | 3/4" M.I.P. X 3/4" P.E. Straight Compression Connection | 30.33 | 9.36 |
| | | *For Work In Restricted Working Space, Add* | *5.62* | |
| 23 21 13 23-2722 | EA | 3/4" M.I.P. X 1" P.E. Straight Compression Connection | 31.37 | 9.36 |
| | | *For Work In Restricted Working Space, Add* | *5.62* | |
| 23 21 13 23-2723 | EA | 1" M.I.P. X 1" P.E. Straight Compression Connection | 34.79 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 23 21 13 23-2724 | EA | 1-1/4" M.I.P. X 1-1/4" P.E. Straight Compression Connection | 47.46 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 23 21 13 23-2725 | EA | 1-1/2" M.I.P. X 1-1/2" P.E. Straight Compression Connection | 60.18 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *7.73* | |
| 23 21 13 23-2726 | EA | 2" M.I.P. X 2" P.E. Straight Compression Connection | 78.25 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 21 13 23-2727** | | **Male Iron Pipe Thread x Compression Connection** *(23 21 13 23-2700)* Note: Ford L84. | | |
| 23 21 13 23-2728 | EA | 3/4" M.I.P. X 3/4" P.E. Compression Connection | 28.46 | 9.36 |
| | | *For Work In Restricted Working Space, Add* | *4.92* | |
| 23 21 13 23-2729 | EA | 3/4" M.I.P. X 1" P.E. Compression Connection | 35.20 | 9.36 |
| | | *For Work In Restricted Working Space, Add* | *5.62* | |
| 23 21 13 23-2730 | EA | 1" M.I.P. X 1" P.E. Compression Connection | 41.93 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 23 21 13 23-2731 | EA | 1-1/2" M.I.P. X 1-1/2" P.E. Compression Connection | 81.92 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *7.73* | |
| 23 21 13 23-2732 | EA | 2" M.I.P. X 2" P.E. Compression Connection | 108.57 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| **23 21 13 23-2733** | | **Straight Couplings, Compression Connection** *(23 21 13 23-2700)* Note: Ford C44. | | |
| 23 21 13 23-2734 | EA | 3/4" X 3/4" Compression Connection | 30.56 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *4.92* | |
| 23 21 13 23-2735 | EA | 1" X 1" Compression Connection | 36.53 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 23 21 13 23-2736 | EA | 1-1/4" X 1-1/4" Compression Connection | 63.57 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.02* | |
| 23 21 13 23-2737 | EA | 1-1/2" X 1-1/2" Compression Connection | 75.21 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *7.73* | |
| 23 21 13 23-2738 | EA | 2" X 2" Compression Connection | 94.88 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| **23 21 13 23-2739** | | **Elbow Couplings x Compression Connection** *(23 21 13 23-2700)* Note: Ford L44. | | |
| 23 21 13 23-2740 | EA | 3/4" X 3/4" Compression Connection | 33.79 | 8.20 |
| | | *For Work In Restricted Working Space, Add* | *4.92* | |
| 23 21 13 23-2741 | EA | 1" X 1" Compression Connection | 43.42 | 10.53 |
| | | *For Work In Restricted Working Space, Add* | *6.32* | |
| 23 21 13 23-2742 | EA | 1-1/2" X 1-1/2" Compression Connection | 94.65 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *7.73* | |
| 23 21 13 23-2743 | EA | 2" X 2" Compression Connection | 167.49 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| **23 21 13 23-2744** | | **Stainless Steel Insert Stiffeners** *(23 21 13 23-2700)* Note: Ford insert. | | |
| 23 21 13 23-2745 | EA | 3/4" Stainless Steel Insert Stiffeners | 8.16 | 2.46 |
| | | *For Work In Restricted Working Space, Add* | *1.46* | |
| 23 21 13 23-2746 | EA | 1" Stainless Steel Insert Stiffeners | 10.41 | 2.81 |
| | | *For Work In Restricted Working Space, Add* | *1.69* | |
| 23 21 13 23-2747 | EA | 1-1/4" Stainless Steel Insert Stiffeners | 14.71 | 3.04 |
| | | *For Work In Restricted Working Space, Add* | *1.83* | |
| 23 21 13 23-2748 | EA | 1-1/2" Stainless Steel Insert Stiffeners | 18.36 | 3.28 |
| | | *For Work In Restricted Working Space, Add* | *2.00* | |
| 23 21 13 23-2749 | EA | 2" Stainless Steel Insert Stiffeners | 28.45 | 3.62 |
| | | *For Work In Restricted Working Space, Add* | *2.20* | |
| **23 21 13 23-2750** | | **Flanged Lead Corporation Stop Coupling** *(23 21 13 23-2700)* Note: Lead flange x copper tube thread (Mueller) | | |
| 23 21 13 23-2751 | EA | 3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) | 59.80 | 14.05 |
| | | *For Work In Restricted Working Space, Add* | *8.43* | |
| 23 21 13 23-2752 | EA | 1" x 3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) | 80.88 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *8.78* | |
| 23 21 13 23-2753 | EA | 1" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) | 83.21 | 15.81 |
| | | *For Work In Restricted Working Space, Add* | *9.48* | |
| 23 21 13 23-2754 | EA | 1-1/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) | 126.10 | 17.56 |
| | | *For Work In Restricted Working Space, Add* | *10.54* | |
| 23 21 13 23-2755 | EA | 1-1/2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) | 169.78 | 18.73 |
| | | *For Work In Restricted Working Space, Add* | *11.24* | |
| 23 21 13 23-2756 | EA | 2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) | 290.71 | 20.49 |
| | | *For Work In Restricted Working Space, Add* | *12.29* | |
| 23 21 13 23-2757 | EA | 2" Flanged Lead Corporation Stop Couplings, XXS Lead Flange X Copper Tube Thread (H-15510) | 359.62 | 22.82 |
| | | *For Work In Restricted Working Space, Add* | *13.70* | |
| **23 21 13 23-2758** | | **Chrome Plated Pipe** *(23 21 13 23)* | | |
| **23 21 13 23-2759** | | **Chrome Plated Nipples** *(23 21 13 23-2758)* | | |
| **23 21 13 23-2760** | | **Close** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2761 | EA | 1/4" Diameter Chrome Plated Nipple, Close | 20.61 | 9.36 |
| 23 21 13 23-2762 | EA | 3/8" Diameter Chrome Plated Nipple, Close | 19.79 | 10.18 |
| 23 21 13 23-2763 | EA | 1/2" Diameter Chrome Plated Nipple, Close | 24.54 | 11.71 |
| 23 21 13 23-2764 | EA | 3/4" Diameter Chrome Plated Nipple, Close | 32.16 | 14.87 |
| 23 21 13 23-2765 | EA | 1" Diameter Chrome Plated Nipple, Close | 43.04 | 19.55 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2766 | EA | 1-1/4" Diameter Chrome Plated Nipple, Close | 60.94 | 27.27 |
| 23 21 13 23-2767 | EA | 1-1/2" Diameter Chrome Plated Nipple, Close | 74.27 | 31.96 |
| 23 21 13 23-2768 | EA | 2" Diameter Chrome Plated Nipple, Close | 95.62 | 39.80 |
| **23 21 13 23-2769** | | **1-1/2" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2770 | EA | 1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple | 22.00 | 9.72 |
| 23 21 13 23-2771 | EA | 3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple | 20.88 | 10.53 |
| 23 21 13 23-2772 | EA | 1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple | 25.15 | 12.06 |
| 23 21 13 23-2773 | EA | 3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple | 33.29 | 15.21 |
| **23 21 13 23-2774** | | **2" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2775 | EA | 1/4" Diameter, 2" Length, Chrome Plated Nipple | 22.87 | 10.18 |
| 23 21 13 23-2776 | EA | 3/8" Diameter, 2" Length, Chrome Plated Nipple | 21.61 | 10.88 |
| 23 21 13 23-2777 | EA | 1/2" Diameter, 2" Length, Chrome Plated Nipple | 27.07 | 12.52 |
| 23 21 13 23-2778 | EA | 3/4" Diameter, 2" Length, Chrome Plated Nipple | 34.92 | 15.57 |
| 23 21 13 23-2779 | EA | 1" Diameter, 2" Length, Chrome Plated Nipple | 45.50 | 20.25 |
| 23 21 13 23-2780 | EA | 1-1/4" Diameter, 2" Length, Chrome Plated Nipple | 64.93 | 28.09 |
| 23 21 13 23-2781 | EA | 1-1/2" Diameter, 2" Length, Chrome Plated Nipple | 78.88 | 32.77 |
| **23 21 13 23-2782** | | **2-1/2" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2783 | EA | 1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple | 24.18 | 10.53 |
| 23 21 13 23-2784 | EA | 3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple | 22.40 | 11.36 |
| 23 21 13 23-2785 | EA | 1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple | 28.22 | 12.88 |
| 23 21 13 23-2786 | EA | 3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple | 35.76 | 16.04 |
| 23 21 13 23-2787 | EA | 1" Diameter, 2-1/2" Length, Chrome Plated Nipple | 46.78 | 20.72 |
| 23 21 13 23-2788 | EA | 1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple | 68.74 | 28.44 |
| 23 21 13 23-2789 | EA | 1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple | 83.97 | 33.12 |
| 23 21 13 23-2790 | EA | 2" Diameter, 2-1/2" Length, Chrome Plated Nipple | 106.74 | 40.97 |
| **23 21 13 23-2791** | | **3" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2792 | EA | 1/4" Diameter, 3" Length, Chrome Plated Nipple | 25.19 | 10.88 |
| 23 21 13 23-2793 | EA | 3/8" Diameter, 3" Length, Chrome Plated Nipple | 23.71 | 11.71 |
| 23 21 13 23-2794 | EA | 1/2" Diameter, 3" Length, Chrome Plated Nipple | 27.85 | 12.52 |
| 23 21 13 23-2795 | EA | 3/4" Diameter, 3" Length, Chrome Plated Nipple | 38.55 | 16.39 |
| 23 21 13 23-2796 | EA | 1" Diameter, 3" Length, Chrome Plated Nipple | 52.45 | 21.07 |
| 23 21 13 23-2797 | EA | 1-1/4" Diameter, 3" Length, Chrome Plated Nipple | 72.91 | 28.92 |
| 23 21 13 23-2798 | EA | 1-1/2" Diameter, 3" Length, Chrome Plated Nipple | 95.91 | 33.60 |
| 23 21 13 23-2799 | EA | 2" Diameter, 3" Length, Chrome Plated Nipple | 116.10 | 41.44 |
| **23 21 13 23-2800** | | **3-1/2" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2801 | EA | 1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple | 26.33 | 11.36 |
| 23 21 13 23-2802 | EA | 3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple | 25.93 | 12.06 |
| 23 21 13 23-2803 | EA | 1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple | 30.67 | 13.69 |
| 23 21 13 23-2804 | EA | 3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple | 42.66 | 16.74 |
| 23 21 13 23-2805 | EA | 1" Diameter, 3-1/2" Length, Chrome Plated Nipple | 54.65 | 21.42 |
| 23 21 13 23-2806 | EA | 1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple | 81.06 | 29.27 |
| 23 21 13 23-2807 | EA | 1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple | 99.51 | 33.95 |
| 23 21 13 23-2808 | EA | 2" Diameter, 3-1/2" Length, Chrome Plated Nipple | 123.56 | 41.79 |
| **23 21 13 23-2809** | | **4" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2810 | EA | 1/4" Diameter, 4" Length, Chrome Plated Nipple | 27.46 | 11.71 |
| 23 21 13 23-2811 | EA | 3/8" Diameter, 4" Length, Chrome Plated Nipple | 26.59 | 12.52 |
| 23 21 13 23-2812 | EA | 1/2" Diameter, 4" Length, Chrome Plated Nipple | 30.92 | 13.23 |
| 23 21 13 23-2813 | EA | 3/4" Diameter, 4" Length, Chrome Plated Nipple | 44.30 | 17.21 |
| 23 21 13 23-2814 | EA | 1" Diameter, 4" Length, Chrome Plated Nipple | 56.74 | 21.89 |
| 23 21 13 23-2815 | EA | 1-1/4" Diameter, 4" Length, Chrome Plated Nipple | 87.29 | 29.61 |
| 23 21 13 23-2816 | EA | 1-1/2" Diameter, 4" Length, Chrome Plated Nipple | 106.88 | 34.30 |
| 23 21 13 23-2817 | EA | 2" Diameter, 4" Length, Chrome Plated Nipple | 132.67 | 42.14 |
| **23 21 13 23-2818** | | **4-1/2" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2819 | EA | 1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple | 28.47 | 12.06 |
| 23 21 13 23-2820 | EA | 3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple | 28.82 | 12.88 |
| 23 21 13 23-2821 | EA | 1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple | 33.91 | 14.40 |
| 23 21 13 23-2822 | EA | 3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple | 46.17 | 17.56 |
| 23 21 13 23-2823 | EA | 1" Diameter, 4-1/2" Length, Chrome Plated Nipple | 63.93 | 22.24 |
| 23 21 13 23-2824 | EA | 1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple | 93.24 | 30.08 |
| 23 21 13 23-2825 | EA | 1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple | 110.17 | 34.77 |
| 23 21 13 23-2826 | EA | 2" Diameter, 4-1/2" Length, Chrome Plated Nipple | 141.04 | 42.61 |
| **23 21 13 23-2827** | | **5" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2828 | EA | 1/4" Diameter, 5" Length, Chrome Plated Nipple | 31.90 | 12.52 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2829 | EA | 3/8" Diameter, 5" Length, Chrome Plated Nipple | 30.22 | 13.23 |
| 23 21 13 23-2830 | EA | 1/2" Diameter, 5" Length, Chrome Plated Nipple | 35.12 | 14.87 |
| 23 21 13 23-2831 | EA | 3/4" Diameter, 5" Length, Chrome Plated Nipple | 47.97 | 17.91 |
| 23 21 13 23-2832 | EA | 1" Diameter, 5" Length, Chrome Plated Nipple | 68.31 | 22.59 |
| 23 21 13 23-2833 | EA | 1-1/4" Diameter, 5" Length, Chrome Plated Nipple | 98.66 | 30.44 |
| 23 21 13 23-2834 | EA | 1-1/2" Diameter, 5" Length, Chrome Plated Nipple | 117.57 | 35.12 |
| 23 21 13 23-2835 | EA | 2" Diameter, 5" Length, Chrome Plated Nipple | 146.47 | 42.96 |
| **23 21 13 23-2836** | | **5-1/2" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2837 | EA | 1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple | 32.93 | 12.88 |
| 23 21 13 23-2838 | EA | 3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple | 31.32 | 13.69 |
| 23 21 13 23-2839 | EA | 1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple | 38.53 | 15.21 |
| 23 21 13 23-2840 | EA | 3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple | 49.77 | 18.37 |
| 23 21 13 23-2841 | EA | 1" Diameter, 5-1/2" Length, Chrome Plated Nipple | 70.61 | 23.06 |
| 23 21 13 23-2842 | EA | 1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple | 105.23 | 30.79 |
| 23 21 13 23-2843 | EA | 1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple | 123.47 | 35.47 |
| 23 21 13 23-2844 | EA | 2" Diameter, 5-1/2" Length, Chrome Plated Nipple | 153.36 | 43.31 |
| **23 21 13 23-2845** | | **6" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2846 | EA | 1/4" Diameter, 6" Length, Chrome Plated Nipple | 34.15 | 13.23 |
| 23 21 13 23-2847 | EA | 3/8" Diameter, 6" Length, Chrome Plated Nipple | 31.94 | 14.05 |
| 23 21 13 23-2848 | EA | 1/2" Diameter, 6" Length, Chrome Plated Nipple | 39.65 | 15.57 |
| 23 21 13 23-2849 | EA | 3/4" Diameter, 6" Length, Chrome Plated Nipple | 51.22 | 18.73 |
| 23 21 13 23-2850 | EA | 1" Diameter, 6" Length, Chrome Plated Nipple | 77.59 | 23.41 |
| 23 21 13 23-2851 | EA | 1-1/4" Diameter, 6" Length, Chrome Plated Nipple | 109.28 | 31.25 |
| 23 21 13 23-2852 | EA | 1-1/2" Diameter, 6" Length, Chrome Plated Nipple | 132.55 | 35.93 |
| 23 21 13 23-2853 | EA | 2" Diameter, 6" Length, Chrome Plated Nipple | 159.68 | 43.78 |
| **23 21 13 23-2854** | | **8" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2855 | EA | 3/8" Diameter, 8" Length, Chrome Plated Nipple | 38.14 | 14.87 |
| 23 21 13 23-2856 | EA | 1/2" Diameter, 8" Length, Chrome Plated Nipple | 56.48 | 16.39 |
| 23 21 13 23-2857 | EA | 3/4" Diameter, 8" Length, Chrome Plated Nipple | 68.69 | 19.55 |
| 23 21 13 23-2858 | EA | 1" Diameter, 8" Length, Chrome Plated Nipple | 91.33 | 24.23 |
| 23 21 13 23-2859 | EA | 1-1/4" Diameter, 8" Length, Chrome Plated Nipple | 131.09 | 31.96 |
| 23 21 13 23-2860 | EA | 1-1/2" Diameter, 8" Length, Chrome Plated Nipple | 161.08 | 36.64 |
| 23 21 13 23-2861 | EA | 2" Diameter, 8" Length, Chrome Plated Nipple | 198.49 | 44.48 |
| **23 21 13 23-2862** | | **10" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2863 | EA | 3/8" Diameter, 10" Length, Chrome Plated Nipple | 44.06 | 14.87 |
| 23 21 13 23-2864 | EA | 1/2" Diameter, 10" Length, Chrome Plated Nipple | 63.94 | 16.39 |
| 23 21 13 23-2865 | EA | 3/4" Diameter, 10" Length, Chrome Plated Nipple | 77.31 | 19.55 |
| 23 21 13 23-2866 | EA | 1" Diameter, 10" Length, Chrome Plated Nipple | 104.38 | 24.23 |
| 23 21 13 23-2867 | EA | 1-1/4" Diameter, 10" Length, Chrome Plated Nipple | 159.02 | 31.96 |
| 23 21 13 23-2868 | EA | 1-1/2" Diameter, 10" Length, Chrome Plated Nipple | 182.34 | 36.64 |
| 23 21 13 23-2869 | EA | 2" Diameter, 10" Length, Chrome Plated Nipple | 232.50 | 44.48 |
| **23 21 13 23-2870** | | **12" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2871 | EA | 3/8" Diameter, 12" Length, Chrome Plated Nipple | 49.16 | 16.39 |
| 23 21 13 23-2872 | EA | 1/2" Diameter, 12" Length, Chrome Plated Nipple | 66.93 | 17.21 |
| 23 21 13 23-2873 | EA | 3/4" Diameter, 12" Length, Chrome Plated Nipple | 85.42 | 20.25 |
| 23 21 13 23-2874 | EA | 1" Diameter, 12" Length, Chrome Plated Nipple | 122.59 | 25.75 |
| 23 21 13 23-2875 | EA | 1-1/4" Diameter, 12" Length, Chrome Plated Nipple | 178.47 | 33.60 |
| 23 21 13 23-2876 | EA | 2" Diameter, 12" Length, Chrome Plated Nipple | 262.07 | 46.12 |
| **23 21 13 23-2877** | | **18" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2878 | EA | 3/8" Diameter, 18" Length, Chrome Plated Nipple | 62.77 | 17.21 |
| **23 21 13 23-2879** | | **24" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2880 | EA | 3/8" Diameter, 24" Length, Chrome Plated Nipple | 75.80 | 17.91 |
| **23 21 13 23-2881** | | **30" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2882 | EA | 3/8" Diameter, 30" Length, Chrome Plated Nipple | 84.10 | 18.73 |
| **23 21 13 23-2883** | | **36" Nipples** *(23 21 13 23-2759)* | | |
| 23 21 13 23-2884 | EA | 3/8" Diameter, 36" Length, Chrome Plated Nipple | 92.43 | 19.55 |
| **23 21 13 23-2885** | | **Chrome Plated Fittings** *(23 21 13 23-2758)* | | |
| **23 21 13 23-2886** | | **Chrome Plated 90 Degree Elbows** *(23 21 13 23-2885)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 13 23-2887 | EA | 1/4" 90 Degree Elbow, Chrome Plated | 26.33 | 10.88 |
| 23 21 13 23-2888 | EA | 3/8" 90 Degree Elbow, Chrome Plated | 26.86 | 11.71 |
| 23 21 13 23-2889 | EA | 1/2" 90 Degree Elbow, Chrome Plated | 30.22 | 12.52 |
| 23 21 13 23-2890 | EA | 3/4" 90 Degree Elbow, Chrome Plated | 38.57 | 16.39 |
| 23 21 13 23-2891 | EA | 1" 90 Degree Elbow, Chrome Plated | 52.37 | 21.07 |
| 23 21 13 23-2892 | EA | 1-1/4" 90 Degree Elbow, Chrome Plated | 80.55 | 28.92 |
| 23 21 13 23-2893 | EA | 1-1/2" 90 Degree Elbow, Chrome Plated | 96.75 | 33.60 |
| 23 21 13 23-2894 | EA | 2" 90 Degree Elbow, Chrome Plated | 132.44 | 41.44 |
| **23 21 13 23-2895** | | **Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-2885)* | | |
| 23 21 13 23-2896 | EA | 1/4" Street 90 Degree Elbow, Chrome Plated | 30.50 | 10.88 |
| 23 21 13 23-2897 | EA | 3/8" Street 90 Degree Elbow, Chrome Plated | 31.43 | 11.71 |
| 23 21 13 23-2898 | EA | 1/2" Street 90 Degree Elbow, Chrome Plated | 33.40 | 12.52 |
| 23 21 13 23-2899 | EA | 3/4" Street 90 Degree Elbow, Chrome Plated | 43.26 | 16.39 |
| 23 21 13 23-2900 | EA | 1" Street 90 Degree Elbow, Chrome Plated | 61.02 | 21.07 |
| 23 21 13 23-2901 | EA | 1-1/4" Street 90 Degree Elbow, Chrome Plated | 89.40 | 28.92 |
| 23 21 13 23-2902 | EA | 1-1/2" Street 90 Degree Elbow, Chrome Plated | 109.17 | 33.60 |
| 23 21 13 23-2903 | EA | 2" Street 90 Degree Elbow, Chrome Plated | 161.66 | 41.44 |
| **23 21 13 23-2904** | | **Chrome Plated 45 Degree Elbows** *(23 21 13 23-2885)* | | |
| 23 21 13 23-2905 | EA | 1/4" 45 Degree Elbow, Chrome Plated | 27.25 | 10.88 |
| 23 21 13 23-2906 | EA | 3/8" 45 Degree Elbow, Chrome Plated | 28.18 | 11.71 |
| 23 21 13 23-2907 | EA | 1/2" 45 Degree Elbow, Chrome Plated | 31.17 | 12.52 |
| 23 21 13 23-2908 | EA | 3/4" 45 Degree Elbow, Chrome Plated | 42.15 | 16.39 |
| 23 21 13 23-2909 | EA | 1" 45 Degree Elbow, Chrome Plated | 56.38 | 21.07 |
| 23 21 13 23-2910 | EA | 1-1/4" 45 Degree Elbow, Chrome Plated | 85.35 | 28.92 |
| 23 21 13 23-2911 | EA | 1-1/2" 45 Degree Elbow, Chrome Plated | 103.18 | 33.60 |
| 23 21 13 23-2912 | EA | 2" 45 Degree Elbow, Chrome Plated | 150.12 | 41.44 |
| **23 21 13 23-2913** | | **Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-2885)* | | |
| 23 21 13 23-2914 | EA | 1/2" Street 45 Degree Elbow, Chrome Plated | 36.89 | 12.52 |
| **23 21 13 23-2915** | | **Chrome Plated Couplings** *(23 21 13 23-2885)* | | |
| 23 21 13 23-2916 | EA | 1/4" Coupling, Chrome Plated | 25.76 | 10.88 |
| 23 21 13 23-2917 | EA | 3/8" Coupling, Chrome Plated | 26.93 | 11.71 |
| 23 21 13 23-2918 | EA | 1/2" Coupling, Chrome Plated | 30.46 | 12.52 |
| 23 21 13 23-2919 | EA | 3/4" Coupling, Chrome Plated | 38.66 | 16.39 |
| 23 21 13 23-2920 | EA | 1" Coupling, Chrome Plated | 50.40 | 21.07 |
| 23 21 13 23-2921 | EA | 1-1/4" Coupling, Chrome Plated | 73.34 | 28.92 |
| 23 21 13 23-2922 | EA | 1-1/2" Coupling, Chrome Plated | 90.72 | 33.60 |
| 23 21 13 23-2923 | EA | 2" Coupling, Chrome Plated | 125.08 | 41.44 |
| **23 21 13 23-2924** | | **Chrome Plated Unions** *(23 21 13 23-2885)* | | |
| 23 21 13 23-2925 | EA | 1/4" Union, Chrome Plated | 41.36 | 12.52 |
| 23 21 13 23-2926 | EA | 3/8" Union, Chrome Plated | 42.56 | 13.23 |
| 23 21 13 23-2927 | EA | 1/2" Union, Chrome Plated | 51.45 | 14.87 |
| 23 21 13 23-2928 | EA | 3/4" Union, Chrome Plated | 63.79 | 19.55 |
| 23 21 13 23-2929 | EA | 1" Union, Chrome Plated | 80.67 | 24.93 |
| 23 21 13 23-2930 | EA | 1-1/4" Union, Chrome Plated | 130.82 | 33.60 |
| 23 21 13 23-2931 | EA | 1-1/2" Union, Chrome Plated | 162.88 | 39.80 |
| 23 21 13 23-2932 | EA | 2" Union, Chrome Plated | 212.56 | 48.46 |
| **23 21 13 23-2933** | | **Chrome Plated Caps** *(23 21 13 23-2885)* | | |
| 23 21 13 23-2934 | EA | 1/4" Cap, Chrome Plated | 17.34 | 5.50 |
| 23 21 13 23-2935 | EA | 3/8" Cap, Chrome Plated | 17.92 | 5.85 |
| 23 21 13 23-2936 | EA | 1/2" Cap, Chrome Plated | 20.45 | 6.20 |
| 23 21 13 23-2937 | EA | 3/4" Cap, Chrome Plated | 25.52 | 8.20 |
| 23 21 13 23-2938 | EA | 1" Cap, Chrome Plated | 30.33 | 10.53 |
| 23 21 13 23-2939 | EA | 1-1/4" Cap, Chrome Plated | 44.77 | 14.40 |
| 23 21 13 23-2940 | EA | 1-1/2" Cap, Chrome Plated | 58.99 | 16.74 |
| 23 21 13 23-2941 | EA | 2" Cap, Chrome Plated | 86.24 | 21.89 |
| **23 21 13 23-2942** | | **Chrome Plated Plugs** *(23 21 13 23-2885)* | | |
| 23 21 13 23-2943 | EA | 1/4" Plug, Chrome Plated | 14.16 | 5.50 |
| 23 21 13 23-2944 | EA | 3/8" Plug, Chrome Plated | 14.74 | 5.85 |
| 23 21 13 23-2945 | EA | 1/2" Plug, Chrome Plated | 17.11 | 6.20 |
| 23 21 13 23-2946 | EA | 3/4" Plug, Chrome Plated | 23.14 | 8.20 |
| 23 21 13 23-2947 | EA | 1" Plug, Chrome Plated | 28.52 | 10.53 |
| 23 21 13 23-2948 | EA | 1-1/4" Plug, Chrome Plated | 38.50 | 14.40 |
| 23 21 13 23-2949 | EA | 1-1/2" Plug, Chrome Plated | 47.52 | 16.74 |
| 23 21 13 23-2950 | EA | 2" Plug, Chrome Plated | 66.30 | 21.89 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 21 13 23-2951** | | **Chrome Plated Tees** *(23 21 13 23-2885)* | | |
| 23 21 13 23-2952 | EA | 1/4" Chrome Plated Tee | 36.57 | 16.39 |
| 23 21 13 23-2953 | EA | 3/8" Chrome Plated Tee | 38.91 | 17.91 |
| 23 21 13 23-2954 | EA | 1/2" Chrome Plated Tee | 43.37 | 19.55 |
| 23 21 13 23-2955 | EA | 3/4" Chrome Plated Tee | 54.03 | 24.23 |
| 23 21 13 23-2956 | EA | 1" Chrome Plated Tee | 76.83 | 31.25 |
| 23 21 13 23-2957 | EA | 1-1/4" Chrome Plated Tee | 105.91 | 42.96 |
| 23 21 13 23-2958 | EA | 1-1/2" Chrome Plated Tee | 135.62 | 49.98 |
| 23 21 13 23-2959 | EA | 2" Chrome Plated Tee | 186.08 | 61.69 |
| **23 21 13 23-2960** | | **Chrome Plated Reducing 90 Degree Elbows** *(23 21 13 23-2885)* | | |
| 23 21 13 23-2961 | EA | 1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated | 41.25 | 19.55 |
| 23 21 13 23-2962 | EA | 3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated | 48.28 | 24.23 |
| **23 21 13 23-2963** | | **Chrome Plated Bell Reducers** *(23 21 13 23-2885)* | | |
| 23 21 13 23-2964 | EA | 1/2" x 3/8" Bell Reducer, Chrome Plated | 45.10 | 19.55 |
| 23 21 13 23-2965 | EA | 3/4" x 1/2" Bell Reducer, Chrome Plated | 54.90 | 24.23 |
| 23 21 13 23-2966 | EA | 1" x 1/2" Bell Reducer, Chrome Plated | 69.75 | 31.25 |
| **23 21 13 23-2967** | | **Chrome Plated Reducing Tees** *(23 21 13 23-2885)* | | |
| 23 21 13 23-2968 | EA | 3/4" x 1/2" Reducing Tee, Chrome Plated | 59.77 | 24.23 |
| **23 21 13 23-2969** | | **Chrome Plated Bushings** *(23 21 13 23-2885)* | | |
| 23 21 13 23-2970 | EA | 3/8" x 1/4" Bushing, Chrome Plated | 14.06 | 5.50 |
| 23 21 13 23-2971 | EA | 1/2" x 1/4" Bushing, Chrome Plated | 15.14 | 5.85 |
| 23 21 13 23-2972 | EA | 1/2" x 3/8" Bushing, Chrome Plated | 15.72 | 6.20 |
| 23 21 13 23-2973 | EA | 3/4" x 1/2" Bushing, Chrome Plated | 19.98 | 8.20 |
| 23 21 13 23-2974 | EA | 1" x 3/4" Bushing, Chrome Plated | 29.13 | 10.53 |
| 23 21 13 23-2975 | EA | 1-1/4" x 1" Bushing, Chrome Plated | 42.62 | 14.40 |
| **23 21 16** | | **Hydronic Piping Specialties** *(23 21)* | | |
| 23 21 16 00-0001 | | Air Vents *(23 21 16)* | | |
| 23 21 16 00-0002 | | Screwed Ends, Cast Iron, Automatic Air Vents *(23 21 16 00-0001)* | | |
| | | Note: With guided free floating lever. | | |
| 23 21 16 00-0003 | EA | 1/2" NPT, Cast Iron, Automatic Air Vent | 328.23 | 33.96 |
| 23 21 16 00-0004 | EA | 3/4" NPT, Cast Iron, Automatic Air Vent | 401.70 | 45.08 |
| 23 21 16 00-0005 | EA | 1" NPT, Cast Iron, Automatic Air Vent | 918.51 | 46.85 |
| 23 21 16 00-0006 | EA | 1-1/4" NPT, Cast Iron, Automatic Air Vent | 1,361.84 | 72.37 |
| 23 21 16 00-0007 | EA | 1-1/2" NPT, Cast Iron, Automatic Air Vent | 2,272.87 | 77.88 |
| 23 21 16 00-0008 | EA | 2" NPT, Cast Iron, Automatic Air Vent | 2,609.13 | 102.70 |
| 23 21 16 00-0009 | | Forged Steel, Stainless Steel Internals, Automatic Air Vents *(23 21 16 00-0001)* | | |
| | | Note: With guided free floating lever. | | |
| 23 21 16 00-0010 | EA | 1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent | 2,612.30 | 39.23 |
| 23 21 16 00-0011 | EA | 3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent | 3,276.31 | 45.08 |
| 23 21 16 00-0012 | EA | 1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent | 3,913.46 | 46.85 |
| 23 21 16 00-0013 | EA | 1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent | 6,423.79 | 72.60 |
| 23 21 16 00-0014 | EA | 1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent | 7,422.57 | 77.88 |
| 23 21 16 00-0015 | EA | 2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent | 10,919.24 | 102.46 |
| 23 21 16 00-0016 | | Automatic Air Vent *(23 21 16 00-0001)* | | |
| 23 21 16 00-0017 | EA | 3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) | 253.31 | 45.08 |
| 23 21 16 00-0018 | EA | 1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) | 277.61 | 46.85 |
| 23 21 16 00-0019 | EA | 1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) | 392.49 | 72.37 |
| 23 21 16 00-0020 | EA | 1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) | 486.43 | 77.88 |
| 23 21 16 00-0021 | EA | 2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) | 622.57 | 83.91 |
| 23 21 16 00-0022 | | Manual Air Vent *(23 21 16 00-0001)* | | |
| 23 21 16 00-0023 | EA | Manual Air Vent | 81.11 | 42.27 |
| 23 21 16 00-0024 | | Air Release Valves *(23 21 16 00-0001)* | | |
| 23 21 16 00-0025 | | Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) *(23 21 16 00-0024)* | | |
| | | Note: Up to 175 psi. Stainless steel float. | | |
| 23 21 16 00-0026 | EA | 1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) | 198.13 | 17.57 |
| 23 21 16 00-0027 | EA | 3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) | 202.82 | 19.90 |
| 23 21 16 00-0028 | EA | 1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) | 212.18 | 24.60 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 21 16 00-0029** | | **Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)** *(23 21 16 00-0024)* | | |
| | | Note: Up to 175 psi. Stainless steel float. | | |
| 23 21 16 00-0030 | EA | 1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A) | 810.88 | 24.60 |
| 23 21 16 00-0031 | EA | 2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) | 972.92 | 42.75 |
| 23 21 16 00-0032 | EA | 3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) | 1,275.92 | 99.66 |
| **23 21 16 00-0033** | | **Cast Iron, Air/Vacuum Valves** *(23 21 16 00-0024)* | | |
| | | Note: Up to 150 psi. Stainless steel float. | | |
| 23 21 16 00-0034 | EA | 1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141) | 392.18 | 17.57 |
| 23 21 16 00-0035 | EA | 1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142) | 483.85 | 24.60 |
| 23 21 16 00-0036 | EA | 2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144) | 835.80 | 42.75 |
| 23 21 16 00-0037 | EA | 3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146) | 1,213.82 | 99.66 |
| 23 21 16 00-0038 | EA | 4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152) | 1,898.62 | 167.29 |
| 23 21 16 00-0039 | EA | 6" Flanged Cast Iron Air Release Valve (APCO 153) | 2,890.53 | 211.54 |
| **23 21 16 00-0040** | | **Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice** *(23 21 16 00-0024)* | | |
| | | Note: Up to 150 psi. Stainless Steel float. | | |
| 23 21 16 00-0041 | EA | 1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C) | 701.18 | 24.60 |
| 23 21 16 00-0042 | EA | 2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C) | 1,076.42 | 42.75 |
| 23 21 16 00-0043 | EA | 3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C) | 1,977.08 | 99.66 |
| 23 21 16 00-0044 | EA | 4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C) | 2,563.55 | 167.29 |
| **23 21 16 00-0045** | | **Vent Valves** *(23 21 16)* | | |
| 23 21 16 00-0046 | EA | 1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A) | 83.38 | 17.57 |
| 23 21 16 00-0047 | EA | 1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74) | 204.52 | 18.89 |
| 23 21 16 00-0048 | EA | 1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75) | 194.85 | 18.89 |
| 23 21 16 00-0049 | EA | 1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H) | 201.62 | 18.89 |
| 23 21 16 00-0050 | EA | 3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78) | 260.87 | 18.89 |
| 23 21 16 00-0051 | EA | 1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79) | 192.19 | 18.89 |
| **23 21 16 00-0052** | | **Threaded Inlet, Drip-Pan Elbow** *(23 21 16)* | | |
| **23 21 16 00-0053** | | **Cast Iron, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0052)* | | |
| 23 21 16 00-0054 | EA | 2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow | 257.41 | 29.59 |
| | | *For Flanged Inlet, Add* | *95.32* | |
| 23 21 16 00-0055 | EA | 3" Cast Iron, Threaded Inlet, Drip-Pan Elbow | 291.93 | 35.08 |
| | | *For Flanged Inlet, Add* | *102.33* | |
| 23 21 16 00-0056 | EA | 3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow | 366.62 | 40.56 |
| | | *For Flanged Inlet, Add* | *138.05* | |
| 23 21 16 00-0057 | EA | 4" Cast Iron, Threaded Inlet, Drip-Pan Elbow | 542.97 | 46.04 |
| | | *For Flanged Inlet, Add* | *242.88* | |
| 23 21 16 00-0058 | EA | 5" Cast Iron, Threaded Inlet, Drip-Pan Elbow | 614.08 | 54.81 |
| | | *For Flanged Inlet, Add* | *268.49* | |
| 23 21 16 00-0059 | EA | 6" Cast Iron, Threaded Inlet, Drip-Pan Elbow | 851.06 | 69.06 |
| | | *For Flanged Inlet, Add* | *392.37* | |
| 23 21 16 00-0060 | EA | 8" Cast Iron, Threaded Inlet, Drip-Pan Elbow | 1,900.82 | 90.99 |
| | | *For Flanged Inlet, Add* | *1,044.09* | |
| **23 21 16 00-0061** | | **Cast Steel, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0052)* | | |
| 23 21 16 00-0062 | EA | 2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow | 935.83 | 29.59 |
| | | *For Flanged Inlet, Add* | *556.64* | |
| 23 21 16 00-0063 | EA | 3" Cast Steel, Threaded Inlet, Drip-Pan Elbow | 1,133.36 | 35.08 |
| | | *For Flanged Inlet, Add* | *674.50* | |
| 23 21 16 00-0064 | EA | 3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow | 1,641.88 | 40.56 |
| | | *For Flanged Inlet, Add* | *1,005.22* | |
| 23 21 16 00-0065 | EA | 4" Cast Steel, Threaded Inlet, Drip-Pan Elbow | 1,664.06 | 46.04 |
| | | *For Flanged Inlet, Add* | *1,005.22* | |
| 23 21 16 00-0066 | EA | 5" Cast Steel, Threaded Inlet, Drip-Pan Elbow | 2,424.84 | 54.81 |
| | | *For Flanged Inlet, Add* | *1,499.81* | |
| 23 21 16 00-0067 | EA | 6" Cast Steel, Threaded Inlet, Drip-Pan Elbow | 2,479.65 | 69.06 |
| | | *For Flanged Inlet, Add* | *1,499.81* | |
| 23 21 16 00-0068 | EA | 8" Cast Steel, Threaded Inlet, Drip-Pan Elbow | 4,152.96 | 90.99 |
| | | *For Flanged Inlet, Add* | *2,575.54* | |
| **23 21 16 00-0069** | | **Y-Type Strainers** *(23 21 16)* | | |
| **23 21 16 00-0070** | | **Screwed Ends, 250 Lb., Iron Body, Y-Type Strainers** *(23 21 16 00-0069)* | | |
| 23 21 16 00-0071 | EA | 1/4" Or 3/8" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer | 83.08 | 13.11 |
| | | *For Galvanized Body, Add* | *22.81* | |
| | | *For Work In Restricted Working Space, Add* | *11.24* | |
| 23 21 16 00-0072 | EA | 1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer | 83.67 | 13.35 |
| | | *For Galvanized Body, Add* | *22.81* | |
| | | *For Work In Restricted Working Space, Add* | *11.42* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 16 00-0073 | EA | 3/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer | 105.96 | 18.03 |
| | | *For Galvanized Body, Add* | *27.22* | |
| | | *For Work In Restricted Working Space, Add* | *15.46* | |
| 23 21 16 00-0074 | EA | 1" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer | 135.04 | 21.54 |
| | | *For Galvanized Body, Add* | *36.78* | |
| | | *For Work In Restricted Working Space, Add* | *18.44* | |
| 23 21 16 00-0075 | EA | 1-1/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer | 176.89 | 26.64 |
| | | *For Galvanized Body, Add* | *50.39* | |
| | | *For Work In Restricted Working Space, Add* | *22.84* | |
| 23 21 16 00-0076 | EA | 1-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer | 203.34 | 28.69 |
| | | *For Galvanized Body, Add* | *60.69* | |
| | | *For Work In Restricted Working Space, Add* | *24.59* | |
| 23 21 16 00-0077 | EA | 2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer | 280.52 | 32.78 |
| | | *For Galvanized Body, Add* | *93.42* | |
| | | *For Work In Restricted Working Space, Add* | *28.10* | |
| 23 21 16 00-0078 | EA | 2-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer | 537.12 | 40.98 |
| | | *For Galvanized Body, Add* | *210.01* | |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |
| 23 21 16 00-0079 | EA | 3" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer | 695.12 | 51.29 |
| | | *For Galvanized Body, Add* | *274.37* | |
| | | *For Work In Restricted Working Space, Add* | *43.91* | |

### 23 21 16 00-0080 Flanged, 125 Lb., Iron Body , Y-Type Strainers *(23 21 16 00-0069)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0081 | EA | 1-1/2" Flanged, 125 Lb., Iron Body, Y-Type Strainer | 501.55 | 122.96 |
| | | *For Galvanized Body, Add* | *173.74* | |
| | | *For Work In Restricted Working Space, Add* | *46.22* | |
| 23 21 16 00-0082 | EA | 2" Flanged, 125 Lb., Iron Body, Y-Type Strainer | 571.19 | 156.10 |
| | | *For Galvanized Body, Add* | *188.01* | |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 23 21 16 00-0083 | EA | 3" Flanged, 125 Lb., Iron Body, Y-Type Strainer | 1,145.56 | 199.08 |
| | | *For Galvanized Body, Add* | *448.21* | |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0084 | EA | 4" Flanged, 125 Lb., Iron Body, Y-Type Strainer | 1,435.48 | 333.74 |
| | | *For Galvanized Body, Add* | *508.63* | |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| 23 21 16 00-0085 | EA | 5" Flanged, 125 Lb., Iron Body, Y-Type Strainer | 1,557.63 | 336.17 |
| | | *For Galvanized Body, Add* | *569.03* | |
| | | *For Work In Restricted Working Space, Add* | *125.87* | |
| 23 21 16 00-0086 | EA | 6" Flanged, 125 Lb., Iron Body, Y-Type Strainer | 1,881.99 | 373.52 |
| | | *For Galvanized Body, Add* | *706.71* | |
| | | *For Work In Restricted Working Space, Add* | *140.57* | |
| 23 21 16 00-0087 | EA | 8" Flanged, 125 Lb., Iron Body, Y-Type Strainer | 3,376.63 | 477.28 |
| | | *For Galvanized Body, Add* | *1,391.87* | |
| | | *For Work In Restricted Working Space, Add* | *177.87* | |
| 23 21 16 00-0088 | EA | 10" Flanged, 125 Lb., Iron Body, Y-Type Strainer | 6,930.74 | 581.03 |
| | | *For Galvanized Body, Add* | *3,102.23* | |
| | | *For Work In Restricted Working Space, Add* | *217.88* | |
| 23 21 16 00-0089 | EA | 12" Flanged, 125 Lb., Iron Body, Y-Type Strainer | 7,488.81 | 518.78 |
| | | *For Galvanized Body, Add* | *3,225.63* | |
| | | *For Work In Restricted Working Space, Add* | *311.27* | |

### 23 21 16 00-0090 Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*

Note: With screwed cap (4" size has bolted cap).

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0091 | EA | 1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer | 73.79 | 13.35 |
| | | *For 300 Lb. Rating, Add* | *60.74* | |
| | | *For Work In Restricted Working Space, Add* | *11.42* | |
| 23 21 16 00-0092 | EA | 3/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer | 97.97 | 18.03 |
| | | *For 300 Lb. Rating, Add* | *78.95* | |
| | | *For Work In Restricted Working Space, Add* | *15.46* | |
| 23 21 16 00-0093 | EA | 1" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer | 119.98 | 21.54 |
| | | *For 300 Lb. Rating, Add* | *99.45* | |
| | | *For Work In Restricted Working Space, Add* | *18.44* | |
| 23 21 16 00-0094 | EA | 1-1/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer | 164.01 | 26.64 |
| | | *For 300 Lb. Rating, Add* | *149.41* | |
| | | *For Work In Restricted Working Space, Add* | *22.84* | |
| 23 21 16 00-0095 | EA | 1-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer | 196.12 | 28.69 |
| | | *For 300 Lb. Rating, Add* | *194.06* | |
| | | *For Work In Restricted Working Space, Add* | *24.59* | |
| 23 21 16 00-0096 | EA | 2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer | 263.65 | 32.78 |
| | | *For 300 Lb. Rating, Add* | *288.95* | |
| | | *For Work In Restricted Working Space, Add* | *28.10* | |
| 23 21 16 00-0097 | EA | 2-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer | 372.10 | 40.98 |
| | | *For 300 Lb. Rating, Add* | *433.50* | |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |
| 23 21 16 00-0098 | EA | 3" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer | 675.09 | 51.29 |
| | | *For 300 Lb. Rating, Add* | *898.81* | |
| | | *For Work In Restricted Working Space, Add* | *43.91* | |
| 23 21 16 00-0099 | EA | 4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer | 1,179.06 | 61.48 |
| | | *For 300 Lb. Rating, Add* | *1,705.78* | |
| | | *For Work In Restricted Working Space, Add* | *52.70* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 21 16 00-0100** | | **Flanged, 150 Lb., Bronze Body, Y-Type Strainers** *(23 21 16 00-0069)* Note: With bolted cap. | | |
| 23 21 16 00-0101 | EA | 2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer | 638.98 | 156.10 |
| | | *For 300 Lb. Rating, Add* | *266.29* | |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 23 21 16 00-0102 | EA | 2-1/2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer | 665.09 | 169.80 |
| | | *For 300 Lb. Rating, Add* | *271.31* | |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| 23 21 16 00-0103 | EA | 3" Flanged, 150 Lb., Bronze Body, Y-Type Strainer | 766.93 | 199.08 |
| | | *For 300 Lb. Rating, Add* | *310.67* | |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0104 | EA | 4" Flanged, 150 Lb., Bronze Body, Y-Type Strainer | 1,676.36 | 333.74 |
| | | *For 300 Lb. Rating, Add* | *754.88* | |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| 23 21 16 00-0105 | EA | 6" Flanged, 150 Lb., Bronze Body, Y-Type Strainer | 2,375.68 | 373.52 |
| | | *For 300 Lb. Rating, Add* | *1,144.27* | |
| | | *For Work In Restricted Working Space, Add* | *140.57* | |
| 23 21 16 00-0106 | EA | 8" Flanged, 150 Lb., Bronze Body, Y-Type Strainer | 3,847.52 | 477.28 |
| | | *For 300 Lb. Rating, Add* | *1,952.78* | |
| | | *For Work In Restricted Working Space, Add* | *177.87* | |
| 23 21 16 00-0107 | EA | 10" Flanged, 150 Lb., Bronze Body, Y-Type Strainer | 12,407.60 | 581.03 |
| | | *For 300 Lb. Rating, Add* | *7,008.79* | |
| | | *For Work In Restricted Working Space, Add* | *217.88* | |
| **23 21 16 00-0108** | | **Polyvinyl Chloride (PVC) Body, Y-Type Strainers** *(23 21 16 00-0069)* | | |
| **23 21 16 00-0109** | | **Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainers** *(23 21 16 00-0108)* | | |
| 23 21 16 00-0110 | EA | 1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 119.05 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *11.24* | |
| 23 21 16 00-0111 | EA | 3/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 141.51 | 17.68 |
| | | *For Work In Restricted Working Space, Add* | *15.10* | |
| 23 21 16 00-0112 | EA | 1" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 168.58 | 23.99 |
| | | *For Work In Restricted Working Space, Add* | *20.72* | |
| 23 21 16 00-0113 | EA | 1-1/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 256.46 | 25.75 |
| | | *For Work In Restricted Working Space, Add* | *22.13* | |
| 23 21 16 00-0114 | EA | 1-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 260.71 | 27.86 |
| | | *For Work In Restricted Working Space, Add* | *23.88* | |
| 23 21 16 00-0115 | EA | 2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 304.77 | 31.60 |
| | | *For Work In Restricted Working Space, Add* | *27.04* | |
| 23 21 16 00-0116 | EA | 2-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 627.92 | 40.97 |
| | | *For Work In Restricted Working Space, Add* | *35.12* | |
| 23 21 16 00-0117 | EA | 3" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 625.26 | 51.27 |
| | | *For Work In Restricted Working Space, Add* | *43.90* | |
| 23 21 16 00-0118 | EA | 4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 994.70 | 54.55 |
| | | *For Work In Restricted Working Space, Add* | *46.70* | |
| **23 21 16 00-0119** | | **Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainers** *(23 21 16 00-0108)* | | |
| 23 21 16 00-0120 | EA | 2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 502.86 | 73.16 |
| | | *For Work In Restricted Working Space, Add* | *43.90* | |
| 23 21 16 00-0121 | EA | 2-1/2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 969.51 | 95.40 |
| | | *For Work In Restricted Working Space, Add* | *57.24* | |
| 23 21 16 00-0122 | EA | 3" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 988.76 | 199.00 |
| | | *For Work In Restricted Working Space, Add* | *74.72* | |
| 23 21 16 00-0123 | EA | 4" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer | 1,610.09 | 333.61 |
| | | *For Work In Restricted Working Space, Add* | *125.42* | |
| **23 21 16 00-0124** | | **Crimped Bronze Body, Class 125, Y-Type Strainers** *(23 21 16 00-0069)* Note: Nibco® | | |
| 23 21 16 00-0125 | EA | 1/2" Class 125, Crimped Bronze Body, Y-Type Strainer | 186.32 | 11.71 |
| | | *For Work In Restricted Working Space, Add* | *7.90* | |
| 23 21 16 00-0126 | EA | 3/4" Class 125, Crimped Bronze Body, Y-Type Strainer | 215.93 | 12.88 |
| | | *For Work In Restricted Working Space, Add* | *9.00* | |
| 23 21 16 00-0127 | EA | 1" Class 125, Crimped Bronze Body, Y-Type Strainer | 308.80 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *10.76* | |
| 23 21 16 00-0128 | EA | 1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer | 415.75 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *11.85* | |
| 23 21 16 00-0129 | EA | 1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer | 501.30 | 18.02 |
| | | *For Work In Restricted Working Space, Add* | *13.17* | |
| 23 21 16 00-0130 | EA | 2" Class 125, Crimped Bronze Body, Y-Type Strainer | 744.89 | 21.30 |
| | | *For Work In Restricted Working Space, Add* | *15.80* | |
| **23 21 16 00-0131** | | **Crimped Bronze Body, 250 PSI, Y-Type Strainers** *(23 21 16 00-0069)* | | |
| 23 21 16 00-0132 | EA | 1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer | 77.44 | 11.71 |
| 23 21 16 00-0133 | EA | 3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer | 94.41 | 12.88 |
| 23 21 16 00-0134 | EA | 1" 250 PSI, Crimped Bronze Body, Y-Type Strainer | 138.04 | 14.63 |
| 23 21 16 00-0135 | EA | 1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer | 168.54 | 15.57 |
| 23 21 16 00-0136 | EA | 1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer | 200.98 | 18.02 |
| 23 21 16 00-0137 | EA | 2" 250 PSI, Crimped Bronze Body, Y-Type Strainer | 263.73 | 21.30 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 23 21 16 00-0138 Cast Iron Body, Suction Diffusers *(23 21 16)*

Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0139 | EA | 2" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser | 561.26 | 46.14 |
| | | *For Work In Restricted Working Space, Add* | *22.59* | |
| 23 21 16 00-0140 | EA | 2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser | 589.05 | 51.18 |
| | | *For Work In Restricted Working Space, Add* | *25.10* | |
| 23 21 16 00-0141 | EA | 2-1/2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser | 598.12 | 53.74 |
| | | *For Work In Restricted Working Space, Add* | *26.36* | |
| 23 21 16 00-0142 | EA | 2-1/2" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser | 1,126.52 | 169.80 |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| 23 21 16 00-0143 | EA | 3" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser | 617.16 | 62.53 |
| | | *For Work In Restricted Working Space, Add* | *30.61* | |
| 23 21 16 00-0144 | EA | 3" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser | 699.78 | 62.53 |
| | | *For Work In Restricted Working Space, Add* | *30.61* | |
| 23 21 16 00-0145 | EA | 3" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser | 1,178.66 | 184.82 |
| | | *For Work In Restricted Working Space, Add* | *69.31* | |
| 23 21 16 00-0146 | EA | 3" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser | 1,201.64 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0147 | EA | 4" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser | 1,456.27 | 266.95 |
| | | *For Work In Restricted Working Space, Add* | *100.11* | |
| 23 21 16 00-0148 | EA | 4" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser | 1,710.89 | 333.74 |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| 23 21 16 00-0149 | EA | 6" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser | 1,964.94 | 335.65 |
| | | *For Work In Restricted Working Space, Add* | *125.87* | |
| 23 21 16 00-0150 | EA | 6" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser | 2,378.41 | 373.52 |
| | | *For Work In Restricted Working Space, Add* | *140.57* | |
| 23 21 16 00-0151 | EA | 8" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser | 2,682.54 | 477.28 |
| | | *For Work In Restricted Working Space, Add* | *177.87* | |
| 23 21 16 00-0152 | EA | 8" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser | 4,184.16 | 477.28 |
| | | *For Work In Restricted Working Space, Add* | *177.87* | |
| 23 21 16 00-0153 | EA | 10" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser | 4,774.36 | 581.03 |
| | | *For Work In Restricted Working Space, Add* | *217.88* | |
| 23 21 16 00-0154 | EA | 10" x 10" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser | 5,595.64 | 581.03 |
| | | *For Work In Restricted Working Space, Add* | *217.88* | |

### 23 21 16 00-0155 Duplex Strainers *(23 21 16)*

### 23 21 16 00-0156 Iron Body, Duplex Strainers *(23 21 16 00-0155)*

### 23 21 16 00-0157 Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0156)*

Note: With brass or stainless steel basket.

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0158 | EA | 3/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 969.37 | 29.16 |
| | | *For Work In Restricted Working Space, Add* | *17.51* | |
| 23 21 16 00-0159 | EA | 1" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 1,082.21 | 33.38 |
| | | *For Work In Restricted Working Space, Add* | *20.04* | |
| 23 21 16 00-0160 | EA | 1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 1,468.67 | 39.23 |
| | | *For Work In Restricted Working Space, Add* | *23.52* | |
| 23 21 16 00-0161 | EA | 1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 1,850.59 | 42.75 |
| | | *For Work In Restricted Working Space, Add* | *25.64* | |
| 23 21 16 00-0162 | EA | 2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 2,481.76 | 52.11 |
| | | *For Work In Restricted Working Space, Add* | *31.37* | |
| 23 21 16 00-0163 | EA | 2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 3,122.75 | 66.75 |
| | | *For Work In Restricted Working Space, Add* | *40.04* | |

### 23 21 16 00-0164 Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0156)*

Note: With brass or stainless steel basket.

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0165 | EA | 2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 3,374.26 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 23 21 16 00-0166 | EA | 2-1/2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 3,486.90 | 169.80 |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| 23 21 16 00-0167 | EA | 3" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 4,472.12 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0168 | EA | 4" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 7,013.43 | 295.70 |
| | | *For Work In Restricted Working Space, Add* | *111.17* | |
| 23 21 16 00-0169 | EA | 6" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 13,754.33 | 373.52 |
| | | *For Work In Restricted Working Space, Add* | *140.57* | |
| 23 21 16 00-0170 | EA | 8" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 26,215.42 | 477.28 |
| | | *For Work In Restricted Working Space, Add* | *177.87* | |
| 23 21 16 00-0171 | EA | 10" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 36,218.23 | 581.03 |
| | | *For Work In Restricted Working Space, Add* | *217.88* | |
| 23 21 16 00-0172 | EA | 12" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 40,943.14 | 732.52 |
| | | *For Work In Restricted Working Space, Add* | *439.64* | |
| 23 21 16 00-0173 | EA | 14" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 48,866.27 | 830.05 |
| | | *For Work In Restricted Working Space, Add* | *311.27* | |
| 23 21 16 00-0174 | EA | 16" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer | 61,117.00 | 913.04 |
| | | *For Work In Restricted Working Space, Add* | *342.39* | |

### 23 21 16 00-0175 Bronze Body, Duplex Strainers *(23 21 16 00-0155)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 16 00-0176 | | Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0175)* | | |
| | | Note: With brass or stainless steel basket. | | |
| 23 21 16 00-0177 | EA | 3/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer | 1,813.97 | 29.28 |
| | | *For Work In Restricted Working Space, Add* | *17.51* | |
| 23 21 16 00-0178 | EA | 1" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer | 2,012.21 | 33.38 |
| | | *For Work In Restricted Working Space, Add* | *20.04* | |
| 23 21 16 00-0179 | EA | 1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer | 2,949.08 | 39.23 |
| | | *For Work In Restricted Working Space, Add* | *23.52* | |
| 23 21 16 00-0180 | EA | 1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer | 3,881.41 | 42.75 |
| | | *For Work In Restricted Working Space, Add* | *25.64* | |
| 23 21 16 00-0181 | EA | 2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer | 5,015.54 | 52.11 |
| | | *For Work In Restricted Working Space, Add* | *31.37* | |
| 23 21 16 00-0182 | EA | 2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer | 6,159.50 | 66.75 |
| | | *For Work In Restricted Working Space, Add* | *40.04* | |
| 23 21 16 00-0183 | | Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0175)* | | |
| | | Note: With brass or stainless steel basket. | | |
| 23 21 16 00-0184 | EA | 2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer | 7,027.84 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 23 21 16 00-0185 | EA | 2-1/2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer | 7,235.38 | 169.80 |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| 23 21 16 00-0186 | EA | 3" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer | 9,928.77 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0187 | EA | 4" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer | 15,649.17 | 295.70 |
| | | *For Work In Restricted Working Space, Add* | *111.17* | |
| 23 21 16 00-0188 | EA | 6" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer | 34,062.55 | 373.52 |
| | | *For Work In Restricted Working Space, Add* | *140.57* | |
| 23 21 16 00-0189 | | Cast Steel Body, Duplex Strainers *(23 21 16 00-0155)* | | |
| 23 21 16 00-0190 | | Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0189)* | | |
| | | Note: With brass or stainless steel basket. | | |
| 23 21 16 00-0191 | EA | 1" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer | 2,830.02 | 33.38 |
| | | *For Work In Restricted Working Space, Add* | *20.04* | |
| 23 21 16 00-0192 | EA | 1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer | 3,486.36 | 39.23 |
| | | *For Work In Restricted Working Space, Add* | *23.52* | |
| 23 21 16 00-0193 | EA | 1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer | 4,138.21 | 42.75 |
| | | *For Work In Restricted Working Space, Add* | *25.65* | |
| 23 21 16 00-0194 | EA | 2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer | 7,012.59 | 52.11 |
| | | *For Work In Restricted Working Space, Add* | *31.37* | |
| 23 21 16 00-0195 | | Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0189)* | | |
| | | Note: With brass or stainless steel basket. | | |
| 23 21 16 00-0196 | EA | 2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer | 7,149.26 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 23 21 16 00-0197 | EA | 2-1/2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer | 7,857.80 | 169.80 |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| 23 21 16 00-0198 | EA | 3" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer | 10,334.88 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0199 | EA | 4" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer | 15,153.74 | 295.70 |
| | | *For Work In Restricted Working Space, Add* | *111.17* | |
| 23 21 16 00-0200 | EA | 6" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer | 25,890.14 | 373.52 |
| | | *For Work In Restricted Working Space, Add* | *140.57* | |
| 23 21 16 00-0201 | EA | 8" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer | 50,514.95 | 477.28 |
| | | *For Work In Restricted Working Space, Add* | *177.87* | |
| 23 21 16 00-0202 | | Stainless Steel Body, Duplex Strainers *(23 21 16 00-0155)* | | |
| 23 21 16 00-0203 | | Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0202)* | | |
| | | Note: With stainless steel basket. | | |
| 23 21 16 00-0204 | EA | 1" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer | 6,490.70 | 33.38 |
| | | *For Work In Restricted Working Space, Add* | *20.04* | |
| 23 21 16 00-0205 | EA | 1-1/4" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer | 8,203.43 | 39.23 |
| | | *For Work In Restricted Working Space, Add* | *23.52* | |
| 23 21 16 00-0206 | EA | 1-1/2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer | 9,899.77 | 42.75 |
| | | *For Work In Restricted Working Space, Add* | *25.65* | |
| 23 21 16 00-0207 | EA | 2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer | 15,866.88 | 52.11 |
| | | *For Work In Restricted Working Space, Add* | *31.37* | |
| 23 21 16 00-0208 | | Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0202)* | | |
| | | Note: With stainless steel basket. | | |
| 23 21 16 00-0209 | EA | 2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer | 16,611.77 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 16 00-0210 | EA | 2-1/2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer | 17,462.24 | 169.80 |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| 23 21 16 00-0211 | EA | 3" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer | 27,372.23 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0212 | EA | 4" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer | 33,441.67 | 295.70 |
| | | *For Work In Restricted Working Space, Add* | *111.17* | |
| 23 21 16 00-0213 | EA | 6" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer | 58,759.40 | 373.52 |
| | | *For Work In Restricted Working Space, Add* | *140.57* | |
| 23 21 16 00-0214 | EA | 8" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer | 108,609.36 | 477.28 |
| | | *For Work In Restricted Working Space, Add* | *177.87* | |

### 23 21 16 00-0215 Pressure Regulating Valve *(23 21 16)*

### 23 21 16 00-0216 Screwed Ends, Iron Body, Water Pressure Reducing Valves *(23 21 16 00-0215)*

Note: For building services, 25 - 75 PSI, up to 300 Lb rating

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0217 | EA | 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve | 236.54 | 14.63 |
| | | *For Work In Restricted Working Space, Add* | *17.56* | |
| 23 21 16 00-0218 | EA | 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve | 291.91 | 16.39 |
| | | *For Work In Restricted Working Space, Add* | *19.51* | |
| 23 21 16 00-0219 | EA | 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve | 385.18 | 17.56 |
| | | *For Work In Restricted Working Space, Add* | *20.66* | |
| 23 21 16 00-0220 | EA | 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve | 662.74 | 19.66 |
| | | *For Work In Restricted Working Space, Add* | *23.41* | |
| 23 21 16 00-0221 | EA | 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve | 900.22 | 23.41 |
| | | *For Work In Restricted Working Space, Add* | *28.09* | |
| 23 21 16 00-0222 | EA | 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve | 1,289.50 | 35.89 |
| | | *For Work In Restricted Working Space, Add* | *43.12* | |
| 23 21 16 00-0223 | EA | 2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve | 1,402.43 | 40.42 |
| | | *For Work In Restricted Working Space, Add* | *48.51* | |
| 23 21 16 00-0224 | EA | 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve | 1,540.87 | 116.96 |
| | | *For Work In Restricted Working Space, Add* | *53.90* | |

### 23 21 16 00-0225 Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0215)*

Note: Single seated, spring loaded, direct acting diaphragm valve.

### 23 21 16 00-0226 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0225)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0227 | EA | 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer | 399.18 | 19.67 |
| | | *For Work In Restricted Working Space, Add* | *23.58* | |
| 23 21 16 00-0228 | EA | 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer | 499.36 | 27.87 |
| | | *For Work In Restricted Working Space, Add* | *33.46* | |
| 23 21 16 00-0229 | EA | 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer | 642.15 | 33.96 |
| | | *For Work In Restricted Working Space, Add* | *40.85* | |
| 23 21 16 00-0230 | EA | 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer | 860.15 | 41.22 |
| | | *For Work In Restricted Working Space, Add* | *47.47* | |
| 23 21 16 00-0231 | EA | 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer | 1,155.95 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *54.05* | |
| 23 21 16 00-0232 | EA | 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer | 1,352.28 | 65.78 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |

### 23 21 16 00-0233 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0225)*

Note: Single seated, spring loaded, direct acting diaphragm valve.

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0234 | EA | 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer | 3,128.19 | 158.94 |
| | | *For Work In Restricted Working Space, Add* | *59.79* | |
| 23 21 16 00-0235 | EA | 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer | 3,890.22 | 186.36 |
| | | *For Work In Restricted Working Space, Add* | *69.97* | |
| 23 21 16 00-0236 | EA | 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer | 5,000.62 | 312.42 |
| | | *For Work In Restricted Working Space, Add* | *117.45* | |
| 23 21 16 00-0237 | EA | 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer | 12,480.87 | 380.02 |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |

### 23 21 16 00-0238 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0215)*

### 23 21 16 00-0239 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0238)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0240 | EA | 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve | 2,269.34 | 14.28 |
| | | *For Work In Restricted Working Space, Add* | *21.43* | |
| 23 21 16 00-0241 | EA | 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve | 2,317.01 | 14.28 |
| | | *For Work In Restricted Working Space, Add* | *21.43* | |
| 23 21 16 00-0242 | EA | 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve | 2,468.15 | 18.03 |
| | | *For Work In Restricted Working Space, Add* | *27.05* | |
| 23 21 16 00-0243 | EA | 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve | 2,900.55 | 22.95 |
| | | *For Work In Restricted Working Space, Add* | *34.43* | |
| 23 21 16 00-0244 | EA | 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve | 3,320.63 | 26.47 |
| | | *For Work In Restricted Working Space, Add* | *39.70* | |
| 23 21 16 00-0245 | EA | 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve | 4,117.30 | 31.15 |
| | | *For Work In Restricted Working Space, Add* | *46.73* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 21 16 00-0246** | | **Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0238)* | | |
| 23 21 16 00-0247 | EA | 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve | 5,087.67 | 158.94 |
| | | *For Work In Restricted Working Space, Add* | *59.79* | |
| 23 21 16 00-0248 | EA | 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve | 6,276.17 | 186.36 |
| | | *For Work In Restricted Working Space, Add* | *69.97* | |
| 23 21 16 00-0249 | EA | 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve | 9,506.22 | 312.42 |
| | | *For Work In Restricted Working Space, Add* | *117.45* | |
| 23 21 16 00-0250 | EA | 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve | 20,925.27 | 380.02 |
| | | *For Work In Restricted Working Space, Add* | *143.02* | |
| **23 21 16 00-0251** | | **Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves** *(23 21 16 00-0215)* | | |
| 23 21 16 00-0252 | EA | 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve | 265.81 | 15.21 |
| 23 21 16 00-0253 | EA | 3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve | 329.22 | 16.85 |
| 23 21 16 00-0254 | EA | 1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve | 437.19 | 17.91 |
| 23 21 16 00-0255 | EA | 1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve | 758.88 | 20.37 |
| 23 21 16 00-0256 | EA | 1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve | 1,032.81 | 24.34 |
| 23 21 16 00-0257 | EA | 2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve | 1,477.90 | 37.30 |
| 23 21 16 00-0258 | EA | 2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve | 1,601.05 | 40.63 |
| 23 21 16 00-0259 | EA | 3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve | 1,764.69 | 46.78 |
| **23 21 16 00-0260** | | **Screwed Ends, Bronze Body, Water Pressure Reducing Valves** *(23 21 16 00-0215)*<br>Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB). | | |
| 23 21 16 00-0261 | EA | 1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve | 216.62 | 14.63 |
| 23 21 16 00-0262 | EA | 3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve | 237.95 | 16.39 |
| 23 21 16 00-0263 | EA | 1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve | 297.42 | 18.14 |
| 23 21 16 00-0264 | EA | 1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve | 717.27 | 19.66 |
| 23 21 16 00-0265 | EA | 1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve | 776.10 | 23.41 |
| 23 21 16 00-0266 | EA | 2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve | 1,220.07 | 35.89 |
| **23 21 16 00-0267** | | **Plastic Pressure Regulator** *(23 21 16 00-0215)* | | |
| **23 21 16 00-0268** | | **Polyvinyl Chloride (PVC) Pressure Regulator Valves** *(23 21 16 00-0267)* | | |
| 23 21 16 00-0269 | EA | 1/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve | 272.96 | 17.56 |
| 23 21 16 00-0270 | EA | 1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve | 302.57 | 24.34 |
| 23 21 16 00-0271 | EA | 3/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve | 536.26 | 29.27 |
| 23 21 16 00-0272 | EA | 1" Polyvinyl Chloride (PVC) Pressure Regulator Valve | 605.54 | 39.09 |
| 23 21 16 00-0273 | EA | 1-1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve | 715.66 | 46.83 |
| 23 21 16 00-0274 | EA | 2" Polyvinyl Chloride (PVC) Pressure Regulator Valve | 877.85 | 73.16 |
| **23 21 16 00-0275** | | **Polypropylene Pressure Regulator Valves** *(23 21 16 00-0267)* | | |
| 23 21 16 00-0276 | EA | 1/4" Polypropylene Pressure Regulator Valve | 347.60 | 17.56 |
| 23 21 16 00-0277 | EA | 1/2" Polypropylene Pressure Regulator Valve | 426.98 | 24.59 |
| 23 21 16 00-0278 | EA | 3/4" Polypropylene Pressure Regulator Valve | 654.70 | 29.27 |
| 23 21 16 00-0279 | EA | 1" Polypropylene Pressure Regulator Valve | 774.74 | 39.09 |
| 23 21 16 00-0280 | EA | 1-1/2" Polypropylene Pressure Regulator Valve | 904.76 | 46.83 |
| 23 21 16 00-0281 | EA | 2" Polypropylene Pressure Regulator Valve | 1,120.70 | 73.16 |
| **23 21 16 00-0282** | | **Teflon (PTFE) Pressure Regulator Valves** *(23 21 16 00-0267)* | | |
| 23 21 16 00-0283 | EA | 1/4" Teflon (PTFE) Pressure Regulator Valve | 740.74 | 17.56 |
| 23 21 16 00-0284 | EA | 1/2" Teflon (PTFE) Pressure Regulator Valve | 849.97 | 24.34 |
| 23 21 16 00-0285 | EA | 3/4" Teflon Pressure Regulator Valve | 1,432.02 | 29.27 |
| 23 21 16 00-0286 | EA | 1" Teflon (PTFE) Pressure Regulator Valve | 1,979.02 | 39.09 |
| 23 21 16 00-0287 | EA | 1-1/2" Teflon (PTFE) Pressure Regulator Valve | 2,387.73 | 46.83 |
| 23 21 16 00-0288 | EA | 2" Teflon (PTFE) Pressure Regulator Valve | 3,341.17 | 73.16 |
| **23 21 16 00-0289** | | **Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valves** *(23 21 16 00-0267)* | | |
| 23 21 16 00-0290 | EA | 1/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve | 243.70 | 17.56 |
| 23 21 16 00-0291 | EA | 1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve | 279.82 | 24.34 |
| 23 21 16 00-0292 | EA | 3/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve | 449.46 | 29.27 |
| 23 21 16 00-0293 | EA | 1" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve | 534.28 | 38.98 |
| 23 21 16 00-0294 | EA | 1-1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve | 621.99 | 46.83 |
| **23 21 16 00-0295** | | **Dual Unit Reducing And Relief Valve** *(23 21 16)* | | |
| 23 21 16 00-0296 | EA | 1/2" Dual Unit Reducing And Relief Valve | 243.77 | 35.72 |
| **23 21 16 00-0297** | | **Safety Relief Valve** *(23 21 16)*<br>Note: Used in water heater and hot water storage tank applications. | | |
| **23 21 16 00-0298** | | **Threaded Inlet, Bronze Body Safety Valves** *(23 21 16 00-0297)*<br>Note: Variable set points to 150 PSIG pressure, 210 Degree F temperature range. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 16 00-0299 | EA | 1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve | 85.89 | 14.63 |
| 23 21 16 00-0300 | EA | 3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve | 122.00 | 16.10 |
| 23 21 16 00-0301 | EA | 1" x 1" Threaded Inlet, Bronze Body Safety Valve | 178.85 | 19.60 |
| 23 21 16 00-0302 | EA | 1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve | 234.56 | 20.78 |
| 23 21 16 00-0303 | EA | 1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve | 323.56 | 27.80 |
| 23 21 16 00-0304 | EA | 2" x 2" Threaded Inlet, Bronze Body Safety Valve | 437.31 | 32.77 |
| 23 21 16 00-0305 | EA | 2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve | 493.13 | 40.97 |

### 23 21 16 00-0306 Plastic Pressure Relief Valves *(23 21 16 00-0297)*

### 23 21 16 00-0307 Polyvinyl Chloride (PVC) Pressure Relief Valves *(23 21 16 00-0306)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0308 | EA | 1/4" Polyvinyl Chloride (PVC) Pressure Relief Valve | 224.85 | 17.56 |
| 23 21 16 00-0309 | EA | 1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve | 247.83 | 24.59 |
| 23 21 16 00-0310 | EA | 3/4" Polyvinyl Chloride (PVC) Pressure Relief Valve | 464.94 | 29.27 |
| 23 21 16 00-0311 | EA | 1" Polyvinyl Chloride (PVC) Pressure Relief Valve | 550.80 | 39.22 |
| 23 21 16 00-0312 | EA | 1-1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve | 715.66 | 46.83 |
| 23 21 16 00-0313 | EA | 2" Polyvinyl Chloride (PVC) Pressure Relief Valve | 892.78 | 73.16 |

### 23 21 16 00-0314 Polypropylene Pressure Relief Valves *(23 21 16 00-0306)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0315 | EA | 1/4" Polypropylene Pressure Relief Valve | 258.03 | 17.56 |
| 23 21 16 00-0316 | EA | 1/2" Polypropylene Pressure Relief Valve | 297.59 | 24.34 |
| 23 21 16 00-0317 | EA | 3/4" Polypropylene Pressure Relief Valve | 581.05 | 29.27 |
| 23 21 16 00-0318 | EA | 1" Polypropylene Pressure Relief Valve | 675.21 | 39.09 |
| 23 21 16 00-0319 | EA | 1-1/2" Polypropylene Pressure Relief Valve | 1,188.42 | 46.83 |
| 23 21 16 00-0320 | EA | 2" Polypropylene Pressure Relief Valve | 1,456.77 | 73.16 |

### 23 21 16 00-0321 Teflon (PTFE) Pressure Relief Valves *(23 21 16 00-0306)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0322 | EA | 1/4" Teflon (PTFE) Pressure Relief Valve | 457.08 | 17.56 |
| 23 21 16 00-0323 | EA | 1/2" Teflon (PTFE) Pressure Relief Valve | 504.94 | 24.34 |
| 23 21 16 00-0324 | EA | 3/4" Teflon (PTFE) Pressure Relief Valve | 954.28 | 29.27 |
| 23 21 16 00-0325 | EA | 1" Teflon (PTFE) Pressure Relief Valve | 1,123.08 | 39.09 |
| 23 21 16 00-0326 | EA | 1-1/2" Teflon (PTFE) Pressure Relief Valve | 1,835.35 | 46.83 |
| 23 21 16 00-0327 | EA | 2" Teflon (PTFE) Pressure Relief Valve | 2,369.11 | 73.16 |

### 23 21 16 00-0328 Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valves *(23 21 16 00-0306)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0329 | EA | 1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve | 233.99 | 24.34 |
| 23 21 16 00-0330 | EA | 3/4" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve | 267.16 | 29.27 |
| 23 21 16 00-0331 | EA | 1" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve | 325.67 | 38.98 |
| 23 21 16 00-0332 | EA | 1-1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve | 417.28 | 46.83 |
| 23 21 16 00-0333 | EA | 2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve | 529.45 | 73.16 |

### 23 21 16 00-0334 Threaded, Bronze Body, Temperature And Pressure Relief Valves *(23 21 16)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0335 | EA | 1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve | 99.42 | 29.85 |
| | | *For Cast Iron Body, Add* | *63.31* | |
| 23 21 16 00-0336 | EA | 3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve | 129.09 | 35.82 |
| | | *For Cast Iron Body, Add* | *88.20* | |
| 23 21 16 00-0337 | EA | 1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve | 190.42 | 47.76 |
| | | *For Cast Iron Body, Add* | *140.48* | |
| 23 21 16 00-0338 | EA | 1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve | 322.45 | 51.16 |
| | | *For Cast Iron Body, Add* | *298.54* | |
| 23 21 16 00-0339 | EA | 1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve | 550.48 | 57.36 |
| | | *For Cast Iron Body, Add* | *571.09* | |
| 23 21 16 00-0340 | EA | 2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve | 632.24 | 82.46 |
| | | *For Cast Iron Body, Add* | *621.88* | |

### 23 21 16 00-0341 Thermostatic Radiator Valves *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0342 | EA | 1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015) | 96.92 | 18.89 |
| 23 21 16 00-0343 | EA | 3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020) | 117.29 | 25.46 |
| 23 21 16 00-0344 | EA | 1" Straight Thermostatic Radiator Valve (Danfoss 013G8025) | 156.98 | 30.82 |
| 23 21 16 00-0345 | EA | 1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032) | 245.83 | 39.04 |
| 23 21 16 00-0346 | EA | 1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014) | 96.92 | 18.89 |
| 23 21 16 00-0347 | EA | 3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019) | 117.29 | 25.46 |
| 23 21 16 00-0348 | EA | 1" Angle Thermostatic Radiator Valve (Danfoss 013G8024) | 156.98 | 30.82 |
| 23 21 16 00-0349 | EA | 1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031) | 245.83 | 39.04 |
| 23 21 16 00-0350 | EA | Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240) | 100.25 | 14.63 |
| 23 21 16 00-0351 | EA | Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922) | 169.72 | 20.50 |

### 23 21 16 00-0352 Radiator Trap Repair Kits *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0353 | EA | 1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031) | 155.14 | |
| 23 21 16 00-0354 | EA | 3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032) | 193.94 | |
| 23 21 16 00-0355 | EA | 1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026) | 197.08 | |
| 23 21 16 00-0356 | EA | 3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027) | 223.91 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 16 00-0357 | EA | 1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028) | 532.40 | |
| **23 21 16 00-0358** | | **Horizontal Steel Expansion Tanks** *(23 21 16)*<br>Note: ASME Code Stamp. 150 PSI with glass gauge and cocks. | | |
| 23 21 16 00-0359 | EA | 10 Gallon Horizontal Steel Expansion Tank | 819.83 | 117.10 |
| 23 21 16 00-0360 | EA | 15 Gallon Horizontal Steel Expansion Tank | 1,171.19 | 146.38 |
| 23 21 16 00-0361 | EA | 30 Gallon Horizontal Steel Expansion Tank | 1,544.56 | 175.66 |
| 23 21 16 00-0362 | EA | 40 Gallon Horizontal Steel Expansion Tank | 1,776.30 | 204.93 |
| 23 21 16 00-0363 | EA | 60 Gallon Horizontal Steel Expansion Tank | 2,060.22 | 207.51 |
| **23 21 16 00-0364** | | **Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks** *(23 21 16)*<br>Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series. | | |
| 23 21 16 00-0365 | EA | 7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 1,592.24 | 87.83 |
| 23 21 16 00-0366 | EA | 10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 1,662.67 | 102.46 |
| 23 21 16 00-0367 | EA | 21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 2,478.94 | 117.10 |
| 23 21 16 00-0368 | EA | 33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 2,580.86 | 131.74 |
| 23 21 16 00-0369 | EA | 44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 3,498.83 | 146.38 |
| 23 21 16 00-0370 | EA | 55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 3,690.34 | 161.01 |
| 23 21 16 00-0371 | EA | 68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 4,387.95 | 175.66 |
| 23 21 16 00-0372 | EA | 77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 4,695.70 | 190.29 |
| 23 21 16 00-0373 | EA | 90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 5,175.37 | 204.93 |
| 23 21 16 00-0374 | EA | 110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 5,321.09 | 234.21 |
| 23 21 16 00-0375 | EA | 132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 6,675.15 | 263.48 |
| 23 21 16 00-0376 | EA | 158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 7,653.87 | 292.76 |
| 23 21 16 00-0377 | EA | 211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank | 8,884.86 | 351.31 |
| **23 21 16 00-0378** | | **Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)** *(23 21 16)*<br>Note: ASME. Precharged with working pressure 125 psi | | |
| 23 21 16 00-0379 | EA | 8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 1,815.02 | 87.83 |
| 23 21 16 00-0380 | EA | 11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 1,873.34 | 102.46 |
| 23 21 16 00-0381 | EA | 22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 2,682.35 | 117.10 |
| 23 21 16 00-0382 | EA | 34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 2,864.17 | 131.74 |
| 23 21 16 00-0383 | EA | 44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 3,641.69 | 146.38 |
| 23 21 16 00-0384 | EA | 56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 3,830.78 | 161.01 |
| 23 21 16 00-0385 | EA | 67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 4,671.27 | 175.66 |
| 23 21 16 00-0386 | EA | 77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 5,049.24 | 190.29 |
| 23 21 16 00-0387 | EA | 91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 5,584.61 | 204.93 |
| 23 21 16 00-0388 | EA | 111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 5,723.06 | 234.21 |
| 23 21 16 00-0389 | EA | 132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 7,040.80 | 263.48 |
| 23 21 16 00-0390 | EA | 158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 8,169.65 | 292.76 |
| 23 21 16 00-0391 | EA | 211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank | 9,410.32 | 351.31 |
| **23 21 16 00-0392** | | **Diaphragm Type (Residential Style) Steel Expansion Tanks** *(23 21 16)* | | |
| 23 21 16 00-0393 | EA | 2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1) | 106.17 | 10.78 |
| 23 21 16 00-0394 | EA | 4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1) | 152.81 | 10.78 |
| **23 21 16 00-0395** | | **Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)* | | |
| 23 21 16 00-0396 | EA | 15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank | 1,247.73 | 351.43 |
| 23 21 16 00-0397 | EA | 20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank | 1,303.16 | 351.43 |
| 23 21 16 00-0398 | EA | 30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank | 1,358.58 | 351.43 |
| 23 21 16 00-0399 | EA | 40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank | 1,502.67 | 351.43 |
| 23 21 16 00-0400 | EA | 47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank | 1,786.33 | 468.29 |
| 23 21 16 00-0401 | EA | 60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank | 2,118.08 | 468.53 |
| 23 21 16 00-0402 | EA | 80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank | 2,183.91 | 468.53 |
| 23 21 16 00-0403 | EA | 87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank | 2,249.75 | 468.53 |
| 23 21 16 00-0404 | EA | 120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank | 2,864.66 | 585.51 |
| 23 21 16 00-0405 | EA | 187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank | 8,446.31 | 585.51 |
| 23 21 16 00-0406 | EA | 264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank | 10,750.77 | 702.38 |
| **23 21 16 00-0407** | | **ASME Construction Compression Tanks** *(23 21 16)*<br>Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.<br>See CSI section 22 12 00 00-0000 for other tanks. | | |
| 23 21 16 00-0408 | EA | 15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank | 1,185.67 | 206.10 |
| | | *For Galvanized Steel Tanks, Add* | *436.70* | |
| 23 21 16 00-0409 | EA | 24 Gallon, 13" x 51" ASME Construction Compression Tank | 1,208.28 | 211.96 |
| | | *For Galvanized Steel Tanks, Add* | *443.13* | |
| 23 21 16 00-0410 | EA | 30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank | 1,321.58 | 218.98 |
| | | *For Galvanized Steel Tanks, Add* | *494.51* | |
| 23 21 16 00-0411 | EA | 40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank | 1,450.03 | 227.18 |
| | | *For Galvanized Steel Tanks, Add* | *552.29* | |
| 23 21 16 00-0412 | EA | 60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank | 1,698.79 | 240.06 |
| | | *For Galvanized Steel Tanks, Add* | *667.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 16 00-0413 | EA | 80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank | 1,764.90 | 249.43 |
| | | *For Galvanized Steel Tanks, Add* | *693.58* | |
| 23 21 16 00-0414 | EA | 100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank | 2,196.21 | 271.68 |
| | | *For Galvanized Steel Tanks, Add* | *892.67* | |
| 23 21 16 00-0415 | EA | 120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank | 2,394.17 | 291.59 |
| | | *For Galvanized Steel Tanks, Add* | *976.14* | |
| 23 21 16 00-0416 | EA | 144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank | 2,988.92 | 329.06 |
| | | *For Galvanized Steel Tanks, Add* | *1,245.31* | |
| 23 21 16 00-0417 | EA | 180 Gallon, 30" x 60" ASME Construction Compression Tank | 3,807.92 | 377.07 |
| | | *For Galvanized Steel Tanks, Add* | *1,618.35* | |
| 23 21 16 00-0418 | EA | 202 Gallon, 30" x 72" ASME Construction Compression Tank | 4,571.27 | 418.05 |
| | | *For Galvanized Steel Tanks, Add* | *1,969.15* | |
| 23 21 16 00-0419 | EA | 230 Gallon, 30" x 84" ASME Construction Compression Tank | 4,999.60 | 454.35 |
| | | *For Galvanized Steel Tanks, Add* | *2,155.39* | |
| 23 21 16 00-0420 | EA | 280 Gallon, 30" x 96" ASME Construction Compression Tank | 6,337.82 | 498.85 |
| | | *For Galvanized Steel Tanks, Add* | *2,791.16* | |
| 23 21 16 00-0421 | EA | 306 Gallon, 30" x 108" ASME Construction Compression Tank | 6,533.46 | 532.82 |
| | | *For Galvanized Steel Tanks, Add* | *2,862.93* | |
| 23 21 16 00-0422 | EA | 340 Gallon, 36" x 84" ASME Construction Compression Tank | 8,452.56 | 572.63 |
| | | *For Galvanized Steel Tanks, Add* | *3,792.57* | |
| 23 21 16 00-0423 | EA | 550 Gallon, 36" x 96" ASME Construction Compression Tank | 14,159.95 | 672.16 |
| | | *For Galvanized Steel Tanks, Add* | *6,570.84* | |

## 23 21 16 00-0424 Compression Tank Air Fittings *(23 21 16)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0425 | EA | 9" To 24" Diameter Compression Tank Air Fittings | 324.94 | 32.78 |
| 23 21 16 00-0426 | EA | >100 Gallon Compression Tank Air Fittings | 1,103.46 | 38.65 |

## 23 21 16 00-0427 Vortex Air Separators With Strainer *(23 21 16)*

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0428 | EA | 2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N) | 1,914.20 | 249.43 |
| | | *For 300 PSIG, Add* | *230.47* | |
| 23 21 16 00-0429 | EA | 2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N) | 2,379.29 | 285.73 |
| | | *For 300 PSIG, Add* | *291.84* | |
| 23 21 16 00-0430 | EA | 3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N) | 3,709.33 | 336.09 |
| | | *For 300 PSIG, Add* | *480.03* | |
| 23 21 16 00-0431 | EA | 3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F) | 3,966.71 | 355.90 |
| | | *For 300 PSIG, Add* | *514.12* | |
| 23 21 16 00-0432 | EA | 4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F) | 5,110.16 | 474.54 |
| | | *For 300 PSIG, Add* | *658.68* | |
| 23 21 16 00-0433 | EA | 5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F) | 6,463.87 | 564.43 |
| | | *For 300 PSIG, Add* | *841.41* | |
| 23 21 16 00-0434 | EA | 6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F) | 7,686.95 | 639.13 |
| | | *For 300 PSIG, Add* | *1,007.79* | |
| 23 21 16 00-0435 | EA | 8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F) | 11,144.46 | 766.75 |
| | | *For 300 PSIG, Add* | *1,497.36* | |
| 23 21 16 00-0436 | EA | 10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F) | 17,339.65 | 871.55 |
| | | *For 300 PSIG, Add* | *2,402.87* | |
| 23 21 16 00-0437 | EA | 12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F) | 23,418.14 | 1,127.82 |
| | | *For 300 PSIG, Add* | *3,256.38* | |
| 23 21 16 00-0438 | EA | 14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F) | 49,373.02 | 1,369.57 |
| | | *For 300 PSIG, Add* | *7,094.69* | |
| 23 21 16 00-0439 | EA | 16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F) | 60,981.22 | 1,643.48 |
| | | *For 300 PSIG, Add* | *8,773.66* | |
| 23 21 16 00-0440 | EA | 18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F) | 79,701.15 | 1,917.40 |
| | | *For 300 PSIG, Add* | *11,519.40* | |
| 23 21 16 00-0441 | EA | 20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F) | 93,284.62 | 2,191.31 |
| | | *For 300 PSIG, Add* | *13,494.67* | |

## 23 21 16 00-0442 Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0443 | EA | 2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N) | 1,614.19 | 249.43 |
| | | *For 300 PSIG, Add* | *185.47* | |
| 23 21 16 00-0444 | EA | 2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N) | 2,052.00 | 285.73 |
| | | *For 300 PSIG, Add* | *242.74* | |
| 23 21 16 00-0445 | EA | 3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N) | 3,627.50 | 336.09 |
| | | *For 300 PSIG, Add* | *467.75* | |
| 23 21 16 00-0446 | EA | 3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F) | 3,248.49 | 355.90 |
| | | *For 300 PSIG, Add* | *406.39* | |
| 23 21 16 00-0447 | EA | 4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F) | 4,355.57 | 474.54 |
| | | *For 300 PSIG, Add* | *545.49* | |
| 23 21 16 00-0448 | EA | 5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F) | 5,672.91 | 564.43 |
| | | *For 300 PSIG, Add* | *722.77* | |
| 23 21 16 00-0449 | EA | 6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F) | 6,614.16 | 639.13 |
| | | *For 300 PSIG, Add* | *846.87* | |
| 23 21 16 00-0450 | EA | 8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F) | 8,853.42 | 766.75 |
| | | *For 300 PSIG, Add* | *1,153.70* | |
| 23 21 16 00-0451 | EA | 10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F) | 12,439.36 | 871.55 |
| | | *For 300 PSIG, Add* | *1,667.82* | |
| 23 21 16 00-0452 | EA | 12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F) | 19,300.85 | 1,127.82 |
| | | *For 300 PSIG, Add* | *2,638.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 16 00-0453 | EA | 14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F) | 33,193.04 | 1,369.57 |
| | | *For 300 PSIG, Add* | *4,667.69* | |
| 23 21 16 00-0454 | EA | 16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F) | 42,107.70 | 1,643.48 |
| | | *For 300 PSIG, Add* | *5,942.64* | |
| 23 21 16 00-0455 | EA | 18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-16F) | 56,469.31 | 1,917.40 |
| | | *For 300 PSIG, Add* | *8,034.62* | |
| 23 21 16 00-0456 | EA | 20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F) | 77,486.22 | 2,191.31 |
| | | *For 300 PSIG, Add* | *11,124.91* | |
| 23 21 16 00-0457 | EA | 22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F) | 95,022.09 | 2,465.23 |
| | | *For 300 PSIG, Add* | *13,693.04* | |
| 23 21 16 00-0458 | EA | 24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F) | 112,557.95 | 2,739.13 |
| | | *For 300 PSIG, Add* | *16,261.16* | |

### 23 21 16 00-0459 Grooved, With Strainer, Vortex Air Separators *(23 21 16)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0460 | EA | 3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G) | 3,495.22 | 284.72 |
| 23 21 16 00-0461 | EA | 4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G) | 4,966.00 | 379.39 |
| 23 21 16 00-0462 | EA | 5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G) | 6,292.96 | 451.12 |
| 23 21 16 00-0463 | EA | 6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G) | 7,493.20 | 511.31 |
| 23 21 16 00-0464 | EA | 8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G) | 10,893.86 | 613.57 |
| 23 21 16 00-0465 | EA | 10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G) | 17,784.64 | 697.24 |
| 23 21 16 00-0466 | EA | 12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G) | 27,172.83 | 902.36 |

### 23 21 16 00-0467 Grooved Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0468 | EA | 3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G) | 2,749.72 | 284.72 |
| 23 21 16 00-0469 | EA | 4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G) | 4,211.41 | 379.39 |
| 23 21 16 00-0470 | EA | 5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G) | 5,502.00 | 451.12 |
| 23 21 16 00-0471 | EA | 6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G) | 6,420.41 | 511.31 |
| 23 21 16 00-0472 | EA | 8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G) | 8,621.00 | 613.57 |
| 23 21 16 00-0473 | EA | 10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G) | 12,811.62 | 697.24 |
| 23 21 16 00-0474 | EA | 12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G) | 21,437.82 | 902.36 |

### 23 21 16 00-0475 Swivel Joints *(23 21 16)*

### 23 21 16 00-0476 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) *(23 21 16 00-0475)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0477 | EA | 1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) | 360.13 | 30.80 |
| 23 21 16 00-0478 | EA | 1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) | 517.47 | 45.08 |
| 23 21 16 00-0479 | EA | 2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) | 725.49 | 52.70 |
| 23 21 16 00-0480 | EA | 3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) | 1,082.09 | 90.17 |
| 23 21 16 00-0481 | EA | 4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) | 1,371.96 | 102.46 |
| | | *For Stainless Steel, Add* | *1,750.55* | |
| 23 21 16 00-0482 | EA | 2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) | 1,010.78 | 156.10 |
| | | *For Stainless Steel, Add* | *1,223.42* | |
| 23 21 16 00-0483 | EA | 3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) | 1,365.93 | 124.54 |
| 23 21 16 00-0484 | EA | 4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) | 1,739.05 | 333.74 |
| 23 21 16 00-0485 | EA | 6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) | 3,227.87 | 421.57 |

### 23 21 16 00-0486 Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) *(23 21 16 00-0475)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0487 | EA | 1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) | 458.31 | 30.80 |
| | | *For Stainless Steel, Add* | *595.02* | |
| 23 21 16 00-0488 | EA | 1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) | 563.84 | 45.08 |
| | | *For Stainless Steel, Add* | *710.64* | |
| 23 21 16 00-0489 | EA | 2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) | 759.89 | 52.70 |
| | | *For Stainless Steel, Add* | *980.16* | |
| 23 21 16 00-0490 | EA | 3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) | 1,221.21 | 90.17 |
| | | *For Stainless Steel, Add* | *1,561.58* | |
| 23 21 16 00-0491 | EA | 4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) | 1,599.18 | 102.46 |
| | | *For Stainless Steel, Add* | *2,091.38* | |
| 23 21 16 00-0492 | EA | 2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) | 1,042.22 | 156.10 |
| | | *For Stainless Steel, Add* | *1,270.58* | |
| 23 21 16 00-0493 | EA | 3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) | 1,546.02 | 124.54 |
| | | *For Stainless Steel, Add* | *1,945.31* | |
| 23 21 16 00-0494 | EA | 4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) | 1,946.95 | 333.74 |
| | | *For Stainless Steel, Add* | *2,293.08* | |
| 23 21 16 00-0495 | EA | 6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) | 3,371.44 | 421.57 |
| | | *For Stainless Steel, Add* | *4,263.89* | |

### 23 21 16 00-0496 Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) *(23 21 16 00-0475)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0497 | EA | 1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) | 539.33 | 30.80 |
| | | *For Stainless Steel, Add* | *716.55* | |
| 23 21 16 00-0498 | EA | 1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) | 625.67 | 45.08 |
| | | *For Stainless Steel, Add* | *803.39* | |
| 23 21 16 00-0499 | EA | 2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) | 915.30 | 52.70 |
| | | *For Stainless Steel, Add* | *1,213.28* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 16 00-0500 | EA | 3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) | 1,408.24 | 90.17 |
| | | *For Stainless Steel, Add* | *1,842.12* | |
| 23 21 16 00-0501 | EA | 4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) | 1,661.01 | 102.46 |
| | | *For Stainless Steel, Add* | *2,184.12* | |
| 23 21 16 00-0502 | EA | 2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) | 1,196.80 | 156.10 |
| | | *For Stainless Steel, Add* | *1,502.45* | |
| 23 21 16 00-0503 | EA | 3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) | 1,737.68 | 124.54 |
| | | *For Stainless Steel, Add* | *2,232.80* | |
| 23 21 16 00-0504 | EA | 4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) | 2,144.80 | 333.74 |
| | | *For Stainless Steel, Add* | *2,589.86* | |
| 23 21 16 00-0505 | EA | 6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) | 3,796.51 | 421.57 |
| | | *For Stainless Steel, Add* | *4,901.49* | |

### 23 21 16 00-0506 Ball Joints *(23 21 16)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0507 | EA | 1" Steel Threaded Ball Joint (Hyspan BB-33004-16-11) | 1,200.80 | |
| 23 21 16 00-0508 | EA | 2" Steel Threaded Ball Joint (Hyspan BB-33001-32-11) | 1,750.07 | |
| 23 21 16 00-0509 | EA | 3" Steel Threaded Ball Joint (Hyspan BB-41533-48-21 ) | 3,010.71 | |
| 23 21 16 00-0510 | EA | 8" Steel Welding Type Ball Joint (Hyspan BB-41533-68-21) | 9,505.61 | |
| 23 21 16 00-0511 | EA | 10" Steel Welding Type Ball Joint (Hyspan BB-41533-70-21) | 11,092.33 | |
| 23 21 16 00-0512 | EA | 3" Steel Flanged Ball Joint (Hyspan BB-41533-48-21) | 2,817.64 | 183.25 |
| 23 21 16 00-0513 | EA | 4" Steel Flanged Ball Joint (Hyspan BB-41533-64-21) | 4,362.84 | 307.20 |
| 23 21 16 00-0514 | EA | 6" Steel Flanged Ball Joint (Hyspan BB-31533-66-11) | 5,242.11 | 380.02 |
| 23 21 16 00-0515 | EA | 8" Steel Flanged Ball Joint (Hyspan BB-41533-68-21) | 8,722.89 | 485.58 |
| 23 21 16 00-0516 | EA | 10" Steel Flanged Ball Joint (Hyspan BB-31533-70-11) | 10,226.68 | 591.14 |
| 23 21 16 00-0517 | EA | 4" Stainless Steel Flanged Ball Joint (Hyspan BB-31524-64) | 17,008.70 | 307.20 |
| 23 21 16 00-0518 | EA | 6" Stainless Ball Flanged Joint (Hyspan BB-31524-66-24) | 25,687.83 | 380.02 |
| 23 21 16 00-0519 | EA | 6" Carbon Steel Flanged Ball Joint (Hyspan BB-41528-66-21) | 7,757.84 | 380.02 |
| 23 21 16 00-0520 | EA | 8" Carbon Steel Flanged Ball Joint (Hyspan BB-41528-68-21) | 9,988.82 | 485.58 |
| 23 21 16 00-0521 | EA | 12" Carbon Steel Flanged Ball Joint (Hyspan BB-41533-72-21) | 17,315.13 | |

### 23 21 16 00-0522 Basket Strainers *(23 21 16)*

### 23 21 16 00-0523 Bronze Body Basket Strainers *(23 21 16 00-0522)*

### 23 21 16 00-0524 Screwed Ends, Bronze Body Basket Strainers *(23 21 16 00-0523)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0525 | EA | 1/2" Screwed Ends, Bronze Body Basket Strainer | 336.86 | 23.42 |
| | | *For Work In Restricted Working Space, Add* | *13.94* | |
| 23 21 16 00-0526 | EA | 3/4" Screwed Ends, Bronze Body Basket Strainer | 398.13 | 27.52 |
| | | *For Work In Restricted Working Space, Add* | *16.38* | |
| 23 21 16 00-0527 | EA | 1" Screwed Ends, Bronze Body Basket Strainer | 461.73 | 32.78 |
| | | *For Work In Restricted Working Space, Add* | *19.52* | |
| 23 21 16 00-0528 | EA | 1-1/4" Screwed Ends, Bronze Body Basket Strainer | 575.49 | 36.30 |
| | | *For Work In Restricted Working Space, Add* | *21.76* | |
| 23 21 16 00-0529 | EA | 1-1/2" Screwed Ends, Bronze Body Basket Strainer | 679.75 | 40.98 |
| | | *For Work In Restricted Working Space, Add* | *24.57* | |
| 23 21 16 00-0530 | EA | 2" Screwed Ends, Bronze Body Basket Strainer | 1,014.29 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *28.13* | |
| 23 21 16 00-0531 | EA | 2-1/2" Screwed Ends, Bronze Body Basket Strainer | 1,435.21 | 62.65 |
| | | *For Work In Restricted Working Space, Add* | *37.68* | |
| 23 21 16 00-0532 | EA | 3" Screwed Ends, Bronze Body Basket Strainer | 2,021.70 | 66.75 |
| | | *For Work In Restricted Working Space, Add* | *39.97* | |

### 23 21 16 00-0533 Flanged, Bronze Body Basket Strainers *(23 21 16 00-0523)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0534 | EA | 2" Flanged, Bronze Body Basket Strainer | 1,590.17 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 23 21 16 00-0535 | EA | 2-1/2" Flanged, Bronze Body Basket Strainer | 2,395.57 | 169.80 |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| 23 21 16 00-0536 | EA | 3" Flanged, Bronze Body Basket Strainer | 2,716.50 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0537 | EA | 4" Flanged, Bronze Body Basket Strainer | 4,593.75 | 333.74 |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| 23 21 16 00-0538 | EA | 6" Flanged, Bronze Body Basket Strainer | 8,724.72 | 373.52 |
| | | *For Work In Restricted Working Space, Add* | *140.57* | |
| 23 21 16 00-0539 | EA | 8" Flanged, Bronze Body Basket Strainer | 15,918.96 | 477.28 |
| | | *For Work In Restricted Working Space, Add* | *177.87* | |

### 23 21 16 00-0540 Iron Body Basket Strainers *(23 21 16 00-0522)*

### 23 21 16 00-0541 Screwed Ends, Iron Body Basket Strainers *(23 21 16 00-0540)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0542 | EA | 1/2" Screwed Ends, Iron Body Basket Strainer | 387.23 | 23.42 |
| | | *For Work In Restricted Working Space, Add* | *13.94* | |
| 23 21 16 00-0543 | EA | 3/4" Screwed Ends, Iron Body Basket Strainer | 436.00 | 27.52 |
| | | *For Work In Restricted Working Space, Add* | *16.38* | |
| 23 21 16 00-0544 | EA | 1" Screwed Ends, Iron Body Basket Strainer | 515.24 | 32.78 |
| | | *For Work In Restricted Working Space, Add* | *19.52* | |
| 23 21 16 00-0545 | EA | 1-1/4" Screwed Ends, Iron Body Basket Strainer | 675.89 | 36.30 |
| | | *For Work In Restricted Working Space, Add* | *21.76* | |
| 23 21 16 00-0546 | EA | 1-1/2" Screwed Ends, Iron Body Basket Strainer | 741.52 | 40.98 |
| | | *For Work In Restricted Working Space, Add* | *24.57* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 16 00-0547 | EA | 2" Screwed Ends, Iron Body Basket Strainer | 881.59 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *28.13* | |
| 23 21 16 00-0548 | EA | 2-1/2" Screwed Ends, Iron Body Basket Strainer | 1,251.05 | 62.65 |
| | | *For Work In Restricted Working Space, Add* | *37.68* | |
| 23 21 16 00-0549 | EA | 3" Screwed Ends, Iron Body Basket Strainer | 1,414.97 | 66.75 |
| | | *For Work In Restricted Working Space, Add* | *39.97* | |

### 23 21 16 00-0550 Flanged, Iron Body Basket Strainers *(23 21 16 00-0540)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0551 | EA | 2" Flanged, Iron Body Basket Strainer | 1,694.97 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 23 21 16 00-0552 | EA | 2-1/2" Flanged, Iron Body Basket Strainer | 2,234.38 | 169.80 |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| 23 21 16 00-0553 | EA | 3" Flanged, Iron Body Basket Strainer | 2,401.03 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0554 | EA | 4" Flanged, Iron Body Basket Strainer | 3,656.92 | 333.74 |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| 23 21 16 00-0555 | EA | 6" Flanged, Iron Body Basket Strainer | 6,772.07 | 373.52 |
| | | *For Work In Restricted Working Space, Add* | *140.57* | |
| 23 21 16 00-0556 | EA | 8" Flanged, Iron Body Basket Strainer | 12,221.76 | 477.28 |
| | | *For Work In Restricted Working Space, Add* | *177.87* | |
| 23 21 16 00-0557 | EA | 10" Flanged, Iron Body Basket Strainer | 18,223.92 | 581.03 |
| | | *For Work In Restricted Working Space, Add* | *217.88* | |
| 23 21 16 00-0558 | EA | 12" Flanged, Iron Body Basket Strainer | 22,222.95 | 732.52 |
| | | *For Work In Restricted Working Space, Add* | *439.46* | |
| 23 21 16 00-0559 | EA | 14" Flanged, Iron Body Basket Strainer | 27,229.67 | 830.05 |
| | | *For Work In Restricted Working Space, Add* | *311.27* | |
| 23 21 16 00-0560 | EA | 16" Flanged, Iron Body Basket Strainer | 28,528.92 | 913.04 |
| | | *For Work In Restricted Working Space, Add* | *342.39* | |

### 23 21 16 00-0561 Cast Steel Body Basket Strainers *(23 21 16 00-0522)*

### 23 21 16 00-0562 Screwed Ends, Cast Steel Body Basket Strainers *(23 21 16 00-0561)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0563 | EA | 1" Screwed Ends, Cast Steel Body Basket Strainer | 1,342.94 | 32.78 |
| | | *For Work In Restricted Working Space, Add* | *19.52* | |
| 23 21 16 00-0564 | EA | 1-1/4" Screwed Ends, Cast Steel Body Basket Strainer | 1,778.19 | 36.30 |
| | | *For Work In Restricted Working Space, Add* | *21.76* | |
| 23 21 16 00-0565 | EA | 1-1/2" Screwed Ends, Cast Steel Body Basket Strainer | 2,004.11 | 40.98 |
| | | *For Work In Restricted Working Space, Add* | *24.56* | |
| 23 21 16 00-0566 | EA | 2" Screwed Ends, Cast Steel Body Basket Strainer | 2,828.22 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *28.13* | |
| 23 21 16 00-0567 | EA | 2-1/2" Screwed Ends, Cast Steel Body Basket Strainer | 3,970.07 | 62.65 |
| | | *For Work In Restricted Working Space, Add* | *37.68* | |
| 23 21 16 00-0568 | EA | 3" Screwed Ends, Cast Steel Body Basket Strainer | 5,168.97 | 66.75 |
| | | *For Work In Restricted Working Space, Add* | *39.98* | |

### 23 21 16 00-0569 Flanged, Cast Steel Body Basket Strainers *(23 21 16 00-0561)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0570 | EA | 2" Flanged, Cast Steel Body Basket Strainer | 4,175.01 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 23 21 16 00-0571 | EA | 2-1/2" Flanged, Cast Steel Body Basket Strainer | 6,033.77 | 169.80 |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| 23 21 16 00-0572 | EA | 3" Flanged, Cast Steel Body Basket Strainer | 6,611.49 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0573 | EA | 4" Flanged, Cast Steel Body Basket Strainer | 9,352.58 | 333.74 |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| 23 21 16 00-0574 | EA | 6" Flanged, Cast Steel Body Basket Strainer | 16,577.47 | 373.52 |
| | | *For Work In Restricted Working Space, Add* | *140.57* | |
| 23 21 16 00-0575 | EA | 8" Flanged, Cast Steel Body Basket Strainer | 26,989.82 | 477.28 |
| | | *For Work In Restricted Working Space, Add* | *177.87* | |

### 23 21 16 00-0576 Stainless Steel Body Basket Strainers *(23 21 16 00-0522)*

### 23 21 16 00-0577 Screwed Ends, Stainless Steel Body Basket Strainers *(23 21 16 00-0576)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0578 | EA | 1" Screwed Ends, Stainless Steel Body Basket Strainer | 582.86 | 32.78 |
| | | *For Work In Restricted Working Space, Add* | *19.52* | |
| 23 21 16 00-0579 | EA | 1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer | 838.99 | 36.30 |
| | | *For Work In Restricted Working Space, Add* | *21.76* | |
| 23 21 16 00-0580 | EA | 1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer | 866.26 | 40.98 |
| | | *For Work In Restricted Working Space, Add* | *24.56* | |
| 23 21 16 00-0581 | EA | 2" Screwed Ends, Stainless Steel Body Basket Strainer | 1,280.61 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *28.13* | |
| 23 21 16 00-0582 | EA | 2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer | 1,809.72 | 62.65 |
| | | *For Work In Restricted Working Space, Add* | *37.68* | |
| 23 21 16 00-0583 | EA | 3" Screwed Ends, Stainless Steel Body Basket Strainer | 2,555.63 | 66.75 |
| | | *For Work In Restricted Working Space, Add* | *39.98* | |

### 23 21 16 00-0584 Flanged, Stainless Steel Body Basket Strainers *(23 21 16 00-0576)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0585 | EA | 2" Flanged, Stainless Steel Body Basket Strainer | 1,961.33 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 16 00-0586 | EA | 2-1/2" Flanged, Stainless Steel Body Basket Strainer | 2,963.40 | 169.80 |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| 23 21 16 00-0587 | EA | 3" Flanged, Stainless Steel Body Basket Strainer | 3,355.95 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0588 | EA | 4" Flanged, Stainless Steel Body Basket Strainer | 5,673.13 | 333.74 |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| 23 21 16 00-0589 | EA | 6" Flanged, Stainless Steel Body Basket Strainer | 8,671.34 | 373.52 |
| | | *For Work In Restricted Working Space, Add* | *140.57* | |
| 23 21 16 00-0590 | EA | 8" Flanged, Stainless Steel Body Basket Strainer | 15,050.27 | 477.28 |
| | | *For Work In Restricted Working Space, Add* | *177.87* | |

### 23 21 16 00-0591 Plastic Basket Strainers *(23 21 16 00-0522)*

### 23 21 16 00-0592 Screwed Or Socket Ends, Simplex, Plastic Basket Strainers *(23 21 16 00-0591)*

### 23 21 16 00-0593 Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0592)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0594 | EA | 1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 374.63 | 16.40 |
| | | *For Work In Restricted Working Space, Add* | *13.94* | |
| 23 21 16 00-0595 | EA | 3/4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 382.76 | 19.09 |
| | | *For Work In Restricted Working Space, Add* | *16.38* | |
| 23 21 16 00-0596 | EA | 1" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 393.22 | 22.72 |
| | | *For Work In Restricted Working Space, Add* | *19.52* | |
| 23 21 16 00-0597 | EA | 1-1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 645.95 | 28.69 |
| | | *For Work In Restricted Working Space, Add* | *24.56* | |
| 23 21 16 00-0598 | EA | 2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 668.50 | 32.78 |
| | | *For Work In Restricted Working Space, Add* | *28.13* | |
| 23 21 16 00-0599 | EA | 3" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 1,435.26 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *39.98* | |
| 23 21 16 00-0600 | EA | 4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 1,899.80 | 61.48 |
| | | *For Work In Restricted Working Space, Add* | *52.69* | |

### 23 21 16 00-0601 Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0592)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0602 | EA | 1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 497.07 | 16.40 |
| | | *For Work In Restricted Working Space, Add* | *13.94* | |
| 23 21 16 00-0603 | EA | 3/4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 505.20 | 19.09 |
| | | *For Work In Restricted Working Space, Add* | *16.38* | |
| 23 21 16 00-0604 | EA | 1" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 515.66 | 22.72 |
| | | *For Work In Restricted Working Space, Add* | *19.52* | |
| 23 21 16 00-0605 | EA | 1-1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 884.17 | 28.69 |
| | | *For Work In Restricted Working Space, Add* | *24.56* | |
| 23 21 16 00-0606 | EA | 2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 911.77 | 32.78 |
| | | *For Work In Restricted Working Space, Add* | *28.13* | |
| 23 21 16 00-0607 | EA | 3" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 423.71 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *39.98* | |
| 23 21 16 00-0608 | EA | 4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 2,439.63 | 61.48 |
| | | *For Work In Restricted Working Space, Add* | *52.69* | |

### 23 21 16 00-0609 Flanged, Simplex, Plastic Basket Strainers *(23 21 16 00-0591)*

### 23 21 16 00-0610 Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0609)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0611 | EA | 1" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 580.93 | 102.46 |
| | | *For Work In Restricted Working Space, Add* | *61.46* | |
| 23 21 16 00-0612 | EA | 1-1/2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 906.50 | 117.10 |
| | | *For Work In Restricted Working Space, Add* | *70.26* | |
| 23 21 16 00-0613 | EA | 2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 957.54 | 136.43 |
| | | *For Work In Restricted Working Space, Add* | *81.85* | |
| 23 21 16 00-0614 | EA | 3" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 1,811.91 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0615 | EA | 4" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 2,456.38 | 333.74 |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| 23 21 16 00-0616 | EA | 6" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 4,876.56 | 421.57 |
| | | *For Work In Restricted Working Space, Add* | *158.66* | |
| 23 21 16 00-0617 | EA | 8" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer | 6,398.69 | 538.67 |
| | | *For Work In Restricted Working Space, Add* | *200.75* | |

### 23 21 16 00-0618 Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0609)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0619 | EA | 1-1/2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 1,136.99 | 117.10 |
| | | *For Work In Restricted Working Space, Add* | *70.26* | |
| 23 21 16 00-0620 | EA | 2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 1,194.45 | 136.43 |
| | | *For Work In Restricted Working Space, Add* | *81.85* | |
| 23 21 16 00-0621 | EA | 3" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 2,431.52 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0622 | EA | 4" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 3,092.03 | 333.74 |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 16 00-0623 | | Screwed Or Socket Ends, Duplex, Plastic Basket Strainers *(23 21 16 00-0591)* | | |
| 23 21 16 00-0624 | | Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0623)* | | |
| 23 21 16 00-0625 | EA | 1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 1,603.91 | 16.40 |
| | | *For Work In Restricted Working Space, Add* | *13.94* | |
| 23 21 16 00-0626 | EA | 3/4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 1,612.04 | 19.09 |
| | | *For Work In Restricted Working Space, Add* | *16.38* | |
| 23 21 16 00-0627 | EA | 1" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 1,622.50 | 22.72 |
| | | *For Work In Restricted Working Space, Add* | *19.52* | |
| 23 21 16 00-0628 | EA | 1-1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 2,506.72 | 28.69 |
| | | *For Work In Restricted Working Space, Add* | *24.56* | |
| 23 21 16 00-0629 | EA | 2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 2,518.62 | 32.78 |
| | | *For Work In Restricted Working Space, Add* | *28.13* | |
| 23 21 16 00-0630 | EA | 3" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 5,609.12 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *39.98* | |
| 23 21 16 00-0631 | EA | 4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 7,398.74 | 61.48 |
| | | *For Work In Restricted Working Space, Add* | *52.69* | |
| 23 21 16 00-0632 | | Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0623)* | | |
| 23 21 16 00-0633 | EA | 1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 2,111.09 | 16.40 |
| | | *For Work In Restricted Working Space, Add* | *13.94* | |
| 23 21 16 00-0634 | EA | 3/4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 2,119.22 | 19.09 |
| | | *For Work In Restricted Working Space, Add* | *16.38* | |
| 23 21 16 00-0635 | EA | 1" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 2,129.68 | 22.72 |
| | | *For Work In Restricted Working Space, Add* | *19.52* | |
| 23 21 16 00-0636 | EA | 1-1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 3,302.04 | 28.69 |
| | | *For Work In Restricted Working Space, Add* | *24.56* | |
| 23 21 16 00-0637 | EA | 2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 3,313.94 | 32.78 |
| | | *For Work In Restricted Working Space, Add* | *28.13* | |
| 23 21 16 00-0638 | EA | 3" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 6,449.56 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *39.98* | |
| 23 21 16 00-0639 | EA | 4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 9,691.69 | 61.48 |
| | | *For Work In Restricted Working Space, Add* | *52.69* | |
| 23 21 16 00-0640 | | Flanged, Duplex, Plastic Basket Strainers *(23 21 16 00-0591)* | | |
| 23 21 16 00-0641 | | Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0640)* | | |
| 23 21 16 00-0642 | EA | 1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 1,680.76 | 43.91 |
| | | *For Work In Restricted Working Space, Add* | *26.35* | |
| 23 21 16 00-0643 | EA | 3/4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 1,710.02 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |
| 23 21 16 00-0644 | EA | 1" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 1,797.79 | 102.46 |
| | | *For Work In Restricted Working Space, Add* | *61.46* | |
| 23 21 16 00-0645 | EA | 1-1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 2,751.30 | 117.10 |
| | | *For Work In Restricted Working Space, Add* | *70.26* | |
| 23 21 16 00-0646 | EA | 2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 2,789.92 | 136.43 |
| | | *For Work In Restricted Working Space, Add* | *81.85* | |
| 23 21 16 00-0647 | EA | 3" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 5,920.15 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0648 | EA | 4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer | 7,887.91 | 333.74 |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| 23 21 16 00-0649 | | Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0640)* | | |
| 23 21 16 00-0650 | EA | 1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 2,196.39 | 43.91 |
| | | *For Work In Restricted Working Space, Add* | *26.34* | |
| 23 21 16 00-0651 | EA | 3/4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 2,225.64 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *35.12* | |
| 23 21 16 00-0652 | EA | 1" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 2,313.45 | 102.46 |
| | | *For Work In Restricted Working Space, Add* | *61.46* | |
| 23 21 16 00-0653 | EA | 1-1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 3,570.57 | 117.10 |
| | | *For Work In Restricted Working Space, Add* | *70.26* | |
| 23 21 16 00-0654 | EA | 2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 3,609.19 | 136.43 |
| | | *For Work In Restricted Working Space, Add* | *81.85* | |
| 23 21 16 00-0655 | EA | 3" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 7,937.68 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 23 21 16 00-0656 | EA | 4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer | 10,347.23 | 333.74 |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| 23 21 16 00-0657 | | Plastic Strainer Baskets *(23 21 16 00-0591)* | | |
| 23 21 16 00-0658 | | Polyvinyl Chloride (PVC) Strainer Baskets *(23 21 16 00-0657)* | | |
| 23 21 16 00-0659 | EA | 1/2", 3/4" Or 1" Polyvinyl Chloride (PVC) Strainer Basket | 138.54 | |
| 23 21 16 00-0660 | EA | 1-1/2", Or 2" Polyvinyl Chloride (PVC) Strainer Basket | 169.93 | |
| 23 21 16 00-0661 | EA | 3" Polyvinyl Chloride (PVC) Strainer Basket | 381.38 | |
| 23 21 16 00-0662 | EA | 4" Polyvinyl Chloride (PVC) Strainer Basket | 432.82 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

23 21 16 00-0663 Chlorinated Polyvinyl Chloride (CPVC) Strainer Baskets *(23 21 16 00-0657)*

| | | | | |
|---|---|---|---|---|
| 23 21 16 00-0664 | EA | 1/2", 3/4" Or 1" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket | 180.56 | |
| 23 21 16 00-0665 | EA | 1-1/2" Or 2" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket | 226.09 | |
| 23 21 16 00-0666 | EA | 3" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket | 502.42 | |
| 23 21 16 00-0667 | EA | 4" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket | 557.37 | |

## 23 21 23 Hydronic Pumps *(23 21)*

### 23 21 23 13 In-Line Centrifugal Hydronic Pumps *(23 21 23)*

23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump *(23 21 23 13)*

Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.

| | | | | |
|---|---|---|---|---|
| 23 21 23 13-0002 | EA | 3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump | 6,376.77 | 312.76 |
| | | *For Mechanical Seal, Add* | *435.12* | |
| | | *For Cast Steel Case, Add* | *979.01* | |
| 23 21 23 13-0003 | EA | 5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump | 6,965.94 | 378.55 |
| | | *For Mechanical Seal, Add* | *466.46* | |
| | | *For Cast Steel Case, Add* | *1,049.52* | |
| 23 21 23 13-0004 | EA | 7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump | 8,052.65 | 449.73 |
| | | *For Mechanical Seal, Add* | *536.36* | |
| | | *For Cast Steel Case, Add* | *1,206.82* | |
| 23 21 23 13-0005 | EA | 10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump | 9,027.09 | 599.64 |
| | | *For Mechanical Seal, Add* | *578.37* | |
| | | *For Cast Steel Case, Add* | *1,301.33* | |
| 23 21 23 13-0006 | EA | 15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump | 10,345.96 | 653.56 |
| | | *For Mechanical Seal, Add* | *670.81* | |
| | | *For Cast Steel Case, Add* | *1,509.31* | |
| 23 21 23 13-0007 | EA | 30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump | 15,445.53 | 719.35 |
| | | *For Mechanical Seal, Add* | *1,063.08* | |
| | | *For Cast Steel Case, Add* | *2,391.94* | |
| 23 21 23 13-0008 | EA | 40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump | 18,154.12 | 898.39 |
| | | *For Mechanical Seal, Add* | *1,236.63* | |
| | | *For Cast Steel Case, Add* | *2,782.42* | |
| 23 21 23 13-0009 | EA | 50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump | 25,236.73 | 1,026.72 |
| | | *For Mechanical Seal, Add* | *1,772.43* | |
| | | *For Cast Steel Case, Add* | *3,987.96* | |
| 23 21 23 13-0010 | EA | 75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump | 32,080.67 | 1,075.95 |
| | | *For Mechanical Seal, Add* | *2,308.22* | |
| | | *For Cast Steel Case, Add* | *5,193.49* | |
| 23 21 23 13-0011 | EA | 100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump | 35,046.06 | 1,383.06 |
| | | *For Mechanical Seal, Add* | *2,471.67* | |
| | | *For Cast Steel Case, Add* | *5,561.25* | |

23 21 23 13-0012 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump *(23 21 23 13)*

Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.

| | | | | |
|---|---|---|---|---|
| 23 21 23 13-0013 | EA | 1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 2,284.97 | 179.57 |
| 23 21 23 13-0014 | EA | 3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 4,052.29 | 205.24 |
| 23 21 23 13-0015 | EA | 1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 4,403.38 | 229.83 |
| 23 21 23 13-0016 | EA | 1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 4,629.71 | 249.88 |
| 23 21 23 13-0017 | EA | 2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 6,058.89 | 273.62 |
| 23 21 23 13-0018 | EA | 3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 6,228.51 | 302.41 |
| 23 21 23 13-0019 | EA | 5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 7,119.27 | 359.13 |
| 23 21 23 13-0020 | EA | 7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 8,282.61 | 442.08 |
| 23 21 23 13-0021 | EA | 10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 10,665.38 | 478.85 |
| 23 21 23 13-0022 | EA | 15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 12,468.06 | 507.00 |
| 23 21 23 13-0023 | EA | 20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 16,026.93 | 538.71 |
| 23 21 23 13-0024 | EA | 25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 16,912.16 | 556.72 |
| 23 21 23 13-0025 | EA | 30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 17,797.39 | 574.62 |
| 23 21 23 13-0026 | EA | 40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 21,135.02 | 615.71 |
| 23 21 23 13-0027 | EA | 50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 22,889.30 | 720.03 |
| 23 21 23 13-0028 | EA | 60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 25,291.16 | 1,040.00 |
| 23 21 23 13-0029 | EA | 75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 29,855.12 | 2,080.00 |
| 23 21 23 13-0030 | EA | 100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump | 34,318.77 | 2,496.00 |

### 23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

| | | | | |
|---|---|---|---|---|
| 23 21 23 16-0002 | EA | 5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T) | 6,627.82 | 341.88 |
| 23 21 23 16-0003 | EA | 7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T) | 7,440.11 | 342.31 |
| 23 21 23 16-0004 | EA | 10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T) | 9,814.72 | 449.73 |
| 23 21 23 16-0005 | EA | 15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T) | 10,740.99 | 553.26 |
| 23 21 23 16-0006 | EA | 15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T) | 12,038.39 | 553.26 |
| 23 21 23 16-0007 | EA | 20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T) | 11,695.61 | 599.64 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 23 16-0008 | EA | 20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T) | 12,433.23 | 599.64 |
| 23 21 23 16-0009 | EA | 25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T) | 13,585.64 | 628.76 |
| 23 21 23 16-0010 | EA | 30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T) | 15,105.31 | 799.17 |
| 23 21 23 16-0011 | EA | 40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T) | 15,973.42 | 898.39 |
| 23 21 23 16-0012 | EA | 60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T) | 24,499.60 | 2,186.57 |
| 23 21 23 16-0013 | EA | 75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T) | 35,578.64 | 2,623.42 |
| 23 21 23 16-0014 | EA | 100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS) | 40,316.52 | 3,279.27 |

### 23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

| | | | | |
|---|---|---|---|---|
| 23 21 23 16-0016 | EA | 1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 6,827.58 | 251.28 |
| | | *For 300 Lb. Flanges, Add* | *1,593.61* | |
| 23 21 23 16-0017 | EA | 2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 8,724.63 | 269.63 |
| | | *For 300 Lb. Flanges, Add* | *2,080.05* | |
| 23 21 23 16-0018 | EA | 3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 10,940.24 | 287.96 |
| | | *For 300 Lb. Flanges, Add* | *2,615.23* | |
| 23 21 23 16-0019 | EA | 5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 12,752.04 | 341.88 |
| | | *For 300 Lb. Flanges, Add* | *3,033.94* | |
| 23 21 23 16-0020 | EA | 7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 13,402.25 | 342.31 |
| | | *For 300 Lb. Flanges, Add* | *3,188.79* | |
| 23 21 23 16-0021 | EA | 10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 13,986.73 | 449.73 |
| | | *For 300 Lb. Flanges, Add* | *3,294.47* | |
| 23 21 23 16-0022 | EA | 10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 14,301.66 | 449.73 |
| | | *For 300 Lb. Flanges, Add* | *3,373.20* | |
| 23 21 23 16-0023 | EA | 10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 14,999.25 | 449.73 |
| | | *For 300 Lb. Flanges, Add* | *3,547.60* | |
| 23 21 23 16-0024 | EA | 15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 17,403.26 | 553.26 |
| | | *For 300 Lb. Flanges, Add* | *4,101.93* | |
| 23 21 23 16-0025 | EA | 17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 17,669.23 | 552.83 |
| | | *For 300 Lb. Flanges, Add* | *4,158.39* | |
| 23 21 23 16-0026 | EA | 20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 18,627.34 | 599.64 |
| | | *For 300 Lb. Flanges, Add* | *4,387.21* | |
| 23 21 23 16-0027 | EA | 25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 20,443.11 | 628.76 |
| | | *For 300 Lb. Flanges, Add* | *4,819.61* | |
| 23 21 23 16-0028 | EA | 30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 22,570.75 | 799.17 |
| | | *For 300 Lb. Flanges, Add* | *5,283.19* | |
| 23 21 23 16-0029 | EA | 40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 25,606.54 | 898.39 |
| | | *For 300 Lb. Flanges, Add* | *5,997.20* | |
| 23 21 23 16-0030 | EA | 60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 39,767.04 | 2,186.57 |
| | | *For 300 Lb. Flanges, Add* | *8,887.71* | |
| 23 21 23 16-0031 | EA | 75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 47,290.92 | 2,623.42 |
| | | *For 300 Lb. Flanges, Add* | *10,557.87* | |
| 23 21 23 16-0032 | EA | 100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case | 57,655.41 | 3,279.27 |
| | | *For 300 Lb. Flanges, Add* | *12,832.77* | |

### 23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

| | | | | |
|---|---|---|---|---|
| 23 21 23 16-0034 | EA | 1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 6,544.64 | 251.28 |
| | | *For 300 Lb. Flanges, Add* | *1,522.87* | |
| 23 21 23 16-0035 | EA | 2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 6,716.12 | 269.63 |
| | | *For 300 Lb. Flanges, Add* | *1,557.69* | |
| 23 21 23 16-0036 | EA | 3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 6,887.73 | 287.96 |
| | | *For 300 Lb. Flanges, Add* | *1,592.51* | |
| 23 21 23 16-0037 | EA | 5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 7,485.41 | 294.43 |
| | | *For 300 Lb. Flanges, Add* | *1,738.75* | |
| 23 21 23 16-0038 | EA | 7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 12,240.23 | 341.88 |
| | | *For 300 Lb. Flanges, Add* | *2,905.99* | |
| 23 21 23 16-0039 | EA | 10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 14,833.40 | 449.73 |
| | | *For 300 Lb. Flanges, Add* | *3,533.50* | |
| 23 21 23 16-0040 | EA | 15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 16,676.98 | 485.32 |
| | | *For 300 Lb. Flanges, Add* | *3,967.03* | |
| 23 21 23 16-0041 | EA | 20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 17,620.35 | 539.24 |
| | | *For 300 Lb. Flanges, Add* | *4,156.21* | |
| 23 21 23 16-0042 | EA | 25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 19,639.21 | 538.49 |
| | | *For 300 Lb. Flanges, Add* | *4,667.71* | |
| 23 21 23 16-0043 | EA | 40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 21,984.69 | 692.04 |
| | | *For 300 Lb. Flanges, Add* | *5,184.91* | |
| 23 21 23 16-0044 | EA | 50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 27,964.32 | 874.86 |
| | | *For 300 Lb. Flanges, Add* | *6,569.46* | |
| 23 21 23 16-0045 | EA | 75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 35,697.67 | 1,092.70 |
| | | *For 300 Lb. Flanges, Add* | *8,397.39* | |
| 23 21 23 16-0046 | EA | 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP | 44,909.36 | 1,311.71 |
| | | *For 300 Lb. Flanges, Add* | *10,594.91* | |
| 23 21 23 16-0047 | EA | 150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 53,248.69 | 1,456.93 |
| | | *For 300 Lb. Flanges, Add* | *12,609.47* | |
| 23 21 23 16-0048 | EA | 200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case | 61,232.89 | 1,873.87 |
| | | *For 300 Lb. Flanges, Add* | *14,404.75* | |


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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 23 21 23 16-0049 | | | **Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)*<br>Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service. | | |
| | 23 21 23 16-0050 | EA | 40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case | 41,785.80 | 553.26 |
| | | | *For 300 Lb. Flanges, Add* | *10,197.57* | |
| | 23 21 23 16-0051 | EA | 50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case | 45,108.73 | 599.64 |
| | | | *For 300 Lb. Flanges, Add* | *11,007.56* | |
| | 23 21 23 16-0052 | EA | 75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case | 60,206.65 | 805.31 |
| | | | *For 300 Lb. Flanges, Add* | *14,682.91* | |
| | 23 21 23 16-0053 | EA | 100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case | 70,257.85 | 1,106.57 |
| | | | *For 300 Lb. Flanges, Add* | *17,057.43* | |
| | 23 21 23 16-0054 | EA | 200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case | 97,498.72 | 1,475.43 |
| | | | *For 300 Lb. Flanges, Add* | *23,698.64* | |
| 23 21 23 16-0055 | | | **Cast Iron Close Coupling Pumps** *(23 21 23 16)* | | |
| 23 21 23 16-0056 | | | **Foot Mounted Cast Iron Close Coupled Pumps** *(23 21 23 16-0055)* | | |
| | 23 21 23 16-0057 | EA | 3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM) | 5,929.91 | 323.55 |
| | 23 21 23 16-0058 | EA | 3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM) | 6,460.53 | 323.55 |
| | 23 21 23 16-0059 | EA | 5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM) | 7,187.94 | 341.53 |
| | 23 21 23 16-0060 | EA | 5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM) | 7,657.33 | 341.53 |
| | 23 21 23 16-0061 | EA | 7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM) | 8,807.48 | 359.13 |
| | 23 21 23 16-0062 | EA | 10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM) | 10,437.03 | 432.32 |
| | 23 21 23 16-0063 | EA | 15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP) | 13,708.82 | 532.58 |
| | 23 21 23 16-0064 | EA | 20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP) | 14,674.11 | 576.42 |
| | 23 21 23 16-0065 | EA | 25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP) | 17,004.88 | 622.53 |
| 23 21 23 16-0066 | | | **Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt** *(23 21 23 16)* | | |
| | 23 21 23 16-0067 | EA | 1/3 HP, Centrifugal Pump, Polypropylene Body | 1,488.73 | 167.11 |
| | 23 21 23 16-0068 | EA | 1/2 HP, Centrifugal Pump, Polypropylene Body | 1,588.27 | 177.18 |
| | 23 21 23 16-0069 | EA | 3/4 HP, Centrifugal Pump, Polypropylene Body | 1,853.67 | 188.65 |
| 23 21 23 16-0070 | | | **Multi Stage, Stainless Steel, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)*<br>Note: 3500RPM, 3 phase 208 to 240/480 Volt. (Goulds EHM) | | |
| | 23 21 23 16-0071 | EA | 2 HP, 30 GPM At 140' Head, Stainless Steel Booster Pump (Goulds 5HM05N15T6PBQE) | 2,778.95 | 323.55 |
| 23 21 23 16-0072 | | | **Multi Stage, Stainless Steel, Vertical Centrifugal Pump** *(23 21 23 16)*<br>Note: Suction And Discharge Ports On The Same Level | | |
| | 23 21 23 16-0073 | EA | 7.5 HP, 90.3 GPM @ 206' Head, Multi Stage, Stainless Steel, Vertical Centrifugal Pump (Grundfos CRN15-4) | 9,353.80 | 460.51 |
| | 23 21 23 16-0074 | EA | 15 HP, 159 GPM @ 250' Head, Multi Stage, Stainless Steel, Vertical Centrifugal Pump (Grundfos CRN32-4) | 12,818.22 | 569.44 |
| | 23 21 23 16-0075 | EA | 25 HP, 239 GPM @ 212' Head, Multi Stage, Stainless Steel, Vertical Centrifugal Pump (Grundfos CRN64-2) | 15,703.50 | 718.28 |
| **23 21 23 23** | | | **Vertical-Turbine Hydronic Pumps** *(23 21 23)*<br>See CSI section 26 29 23 00-0000 for variable frequency motor controllers. | | |
| 23 21 23 23-0001 | | | **Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps** *(23 21 23 23)*<br>Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth. | | |
| | 23 21 23 23-0002 | EA | 2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage | 13,234.14 | 799.17 |
| | | | *For Each Extra Column Assembly <60", Add* | *1,106.66* | |
| | | | *For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add* | *481.43* | |
| | | | *For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add* | *349.09* | |
| | 23 21 23 23-0003 | EA | 3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage | 15,304.84 | 898.39 |
| | | | *For Each Extra Column Assembly <60", Add* | *1,272.71* | |
| | | | *For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add* | *563.87* | |
| | | | *For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add* | *410.83* | |
| | 23 21 23 23-0004 | EA | 15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage | 18,464.37 | 874.86 |
| | | | *For Each Extra Column Assembly <60", Add* | *1,539.89* | |
| | | | *For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add* | *675.83* | |
| | | | *For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add* | *491.19* | |
| | 23 21 23 23-0005 | EA | 25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage | 21,821.80 | 1,009.54 |
| | | | *For Each Extra Column Assembly <60", Add* | *1,810.61* | |
| | | | *For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add* | *808.01* | |
| | | | *For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add* | *589.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 21 23 23-0006 | EA | 50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage | 26,930.25 | 1,092.70 |
| | | *For Each Extra Column Assembly <60", Add* | *2,224.69* | |
| | | *For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add* | *1,006.94* | |
| | | *For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add* | *737.64* | |
| 23 21 23 23-0007 | EA | 100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage | 35,455.71 | 1,311.71 |
| | | *For Each Extra Column Assembly <60", Add* | *2,920.78* | |
| | | *For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add* | *1,333.90* | |
| | | *For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add* | *979.35* | |
| 23 21 23 23-0008 | EA | 150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage | 42,413.33 | 1,639.64 |
| | | *For Each Extra Column Assembly <60", Add* | *3,498.47* | |
| | | *For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add* | *1,591.13* | |
| | | *For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add* | *1,166.99* | |
| 23 21 23 23-0009 | EA | 200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage | 68,181.98 | 1,873.87 |
| | | *For Each Extra Column Assembly <60", Add* | *5,575.02* | |
| | | *For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add* | *2,606.82* | |
| | | *For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add* | *1,925.00* | |
| 23 21 23 23-0010 | EA | 250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage | 89,494.45 | 2,186.57 |
| | | *For Each Extra Column Assembly <60", Add* | *7,300.10* | |
| | | *For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add* | *3,439.24* | |
| | | *For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add* | *2,544.29* | |
| 23 21 23 23-0011 | EA | 300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage | 125,433.79 | 2,623.42 |
| | | *For Each Extra Column Assembly <60", Add* | *10,203.35* | |
| | | *For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add* | *4,848.70* | |
| | | *For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add* | *3,594.37* | |

### 23 21 29 Automatic Condensate Pump Units *(23 21)*

#### 23 21 29 00-0001 Automatic Shallow Pan Condensate Pump *(23 21 29)*

| | | | | |
|---|---|---|---|---|
| 23 21 29 00-0002 | EA | 1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS) | 224.17 | 35.05 |
| 23 21 29 00-0003 | EA | 1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS) | 243.44 | 35.05 |
| 23 21 29 00-0004 | EA | 1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS) | 381.04 | 40.44 |

#### 23 21 29 00-0005 Automatic Condensate Pump With Tank *(23 21 29)*

| | | | | |
|---|---|---|---|---|
| 23 21 29 00-0006 | EA | 1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL) | 122.16 | 26.96 |
| 23 21 29 00-0007 | EA | 1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20) | 130.39 | 26.96 |
| 23 21 29 00-0008 | EA | 1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS) | 217.87 | 35.05 |
| 23 21 29 00-0009 | EA | 1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS) | 234.95 | 40.44 |
| 23 21 29 00-0010 | EA | 1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump | 436.67 | 45.84 |

## 23 22 Steam and Condensate Piping and Pumps *(23 20)*

### 23 22 13 Steam and Condensate Heating Piping *(23 22)*

#### 23 22 13 13 Underground Steam and Condensate Heating Piping *(23 22 13)*

##### 23 22 13 13-0001 Prefabricated/Preinsulated Schedule 80 Seamless Carbon Steel Pipe Assembly With 2" Insulation, Fittings And Supports *(23 22 13 13)*

Note: Includes complete direct buried pumped condensate and condensate vent, and forced main piping, all necessary fittings, steel cladding, anchors, expansion loops and conduit accessories required. Review Supplied Specs for details of system. A. Steam piping shall be steel pipe, ASTM A53 Grade B, seamless, SCH 80 black steel with butt weld ends. Fittings shall be Extra Heavy weight, carbon steel, butt weld, ASTM A234, Class 150 with butt welded joints per AWS D1.1. B. Service pipe insulation shall be Aerogel or Pyrogel. Split insulation shall be held in place by stainless steel bands installed not more than 18 inches apart. Foam insulations of any type shall not be allowed as the primary insulation. Insulation thicknesses shall be as indicated in Section 230700 – 2.8 Pipe Insulation Schedule per TABLE C403.2.8 and meet the 2012 Washington State Energy Code requirements for pipe insulation. C. Conduit: The steel conduit casing shall be smooth wall, welded steel conduit. Conduit sizes 6" – 26" shall be 10-gauge, sizes 28" – 36" shall be 6-gauge and sizes 38" – 42" shall be 4-gauge. Changes in casing size, as required at oversized casing to allow for carrier pipe expansion, shall be accomplished by eccentric and/or concentric fittings and shall provide for continuous drainage. Conduit closures shall be furnished with the conduit at a ratio of one closure for each fabricated item or length. Closures shall consist of 10 gauge steel and in cylindrical form with a single horizontal split and shall be field welded over adjacent units. All materials and insulation required for complete field closure shall be furnished with the conduit. D. Conduit Cladding: The conduit casing shall be cleaned, primed, and covered with a fusion bond epoxy coating. E. Cleaning: Prior to the application of the cladding the exterior of the steel service pipe surface shall be abrasive blast cleaned to a minimum of a near white surface, SSPC-SP10-63T. Profile must be a minimum of 1.5 mil peak to valley range. Any areas of rust bloom or oil shall be wiped and reblasted. F. Priming: The casing will then be coated with a single layer of red mill primer. G. All field joints shall be covered with a heat-shrinkable, adhesive-backed sleeve. The factory applied coating on the conduit fittings shall be chopped sprayed or hand layups with thicknesses equal to the thickness of the cladding on the straight lengths. No taping, gluing or shrink warps shall be allowed on fitting jackets. H. Pipe Support Guides: Piping shall be suitably spaced and supported by the system manufacturer.

| | | | | |
|---|---|---|---|---|
| 23 22 13 13-0002 | LF | 2" Diameter Preinsulated Schedule 80 Seamless Carbon Steel Pipe Assembly With 2" Insulation And Fittings | 463.05 | |
| 23 22 13 13-0003 | LF | 3" Diameter Preinsulated Schedule 80 Seamless Carbon Steel Pipe Assembly With 2" Insulation And Fittings | 615.20 | |
| 23 22 13 13-0004 | LF | 6" Diameter Preinsulated Schedule 80 Seamless Carbon Steel Pipe Assembly With 2" Insulation And Fittings | 807.30 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 22 13 13-0005 | | Cable Leak Detection For Prefabricated/Preinsulated Steel Pipe Assembly *(23 22 13 13)* | | |
| | | Note: Includes a microprocessor-based panel capable of continuous monitoring of a sensor string for leaks/faults. The unit shall have a sensing range of up to 5,000 feet of cable. The alarm unit(s) shall operate on the principle of pulsed energy reflection and be capable of mapping the entire length of the sensor cable and storing the digitized system map in nonvolatile memory. The alarm units shall provide continuous indication that the sensor cable is being monitored. Sensor cable shall be of fluoropolymer and polymer coated wire construction, with no exposed metal parts. Cable shall detect water-based liquids. The sensor cable can be dried in-place and will not require replacement after a leak event of any volatile liquid. The cable shall have a breaking strength of at least 100 pounds and shall be resistant to corrosion, abrasion and most chemicals tested in accordance with exposure procedures in ASTM D543. | | |
| 23 22 13 13-0006 | EA | Leak Detection Cable System For Prefabricated/Preinsulated Steel Pipe Assembly (312 feet for high pressure steam piping, 312 feet for pressurized condensate piping and 153 of pumped condensate piping) | 40,830.00 | |

## 23 22 16 Steam and Condensate Heating Piping Specialties *(23 22)*

### 23 22 16 00-0001 Steam Traps *(23 22 16)*

### 23 22 16 00-0002 Inverted Bucket Steam Traps *(23 22 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 22 16 00-0003 | EA | 1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap | 341.51 | 35.13 |
| | | *For Work In Restricted Working Space, Add* | *21.08* | |
| 23 22 16 00-0004 | EA | 3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap | 344.43 | 36.59 |
| | | *For Work In Restricted Working Space, Add* | *21.95* | |
| 23 22 16 00-0005 | EA | 1" 250 PSI Inverted Bucket Cast Iron Steam Trap | 514.71 | 39.00 |
| | | *For Work In Restricted Working Space, Add* | *23.42* | |
| 23 22 16 00-0006 | EA | 1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap | 834.18 | 53.22 |
| | | *For Work In Restricted Working Space, Add* | *31.94* | |
| 23 22 16 00-0007 | EA | 1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap | 1,244.21 | 65.58 |
| | | *For Work In Restricted Working Space, Add* | *39.03* | |
| 23 22 16 00-0008 | EA | 2" 250 PSI Inverted Bucket Cast Iron Steam Trap | 1,585.32 | 97.59 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |

### 23 22 16 00-0009 Float And Thermostatic Steam Traps *(23 22 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 22 16 00-0010 | EA | 3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap | 361.07 | 36.59 |
| | | *For Work In Restricted Working Space, Add* | *21.95* | |
| 23 22 16 00-0011 | EA | 1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap | 477.21 | 39.03 |
| | | *For Work In Restricted Working Space, Add* | *23.42* | |
| 23 22 16 00-0012 | EA | 1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap | 589.40 | 53.23 |
| | | *For Work In Restricted Working Space, Add* | *31.94* | |
| 23 22 16 00-0013 | EA | 1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap | 865.12 | 65.05 |
| | | *For Work In Restricted Working Space, Add* | *39.03* | |
| 23 22 16 00-0014 | EA | 2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap | 1,463.18 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 23 22 16 00-0015 | EA | 3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap | 461.30 | 36.59 |
| | | *For Work In Restricted Working Space, Add* | *21.95* | |
| 23 22 16 00-0016 | EA | 1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap | 501.47 | 39.00 |
| | | *For Work In Restricted Working Space, Add* | *23.42* | |
| 23 22 16 00-0017 | EA | 1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap | 655.54 | 53.22 |
| | | *For Work In Restricted Working Space, Add* | *31.94* | |
| 23 22 16 00-0018 | EA | 1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap | 1,025.20 | 65.00 |
| | | *For Work In Restricted Working Space, Add* | *39.03* | |
| 23 22 16 00-0019 | EA | 2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap | 1,610.93 | 97.58 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 23 22 16 00-0020 | EA | 3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap | 600.23 | 36.59 |
| | | *For Work In Restricted Working Space, Add* | *21.95* | |
| 23 22 16 00-0021 | EA | 1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap | 669.07 | 39.03 |
| | | *For Work In Restricted Working Space, Add* | *23.42* | |
| 23 22 16 00-0022 | EA | 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap | 1,019.42 | 53.22 |
| | | *For Work In Restricted Working Space, Add* | *31.94* | |
| 23 22 16 00-0023 | EA | 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap | 1,225.68 | 65.00 |
| | | *For Work In Restricted Working Space, Add* | *39.03* | |
| 23 22 16 00-0024 | EA | 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap | 2,027.71 | 97.59 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 23 22 16 00-0025 | EA | 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap | 609.05 | 36.59 |
| | | *For Work In Restricted Working Space, Add* | *21.95* | |
| 23 22 16 00-0026 | EA | 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap | 669.07 | 39.03 |
| | | *For Work In Restricted Working Space, Add* | *23.42* | |
| 23 22 16 00-0027 | EA | 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap | 1,019.42 | 53.22 |
| | | *For Work In Restricted Working Space, Add* | *31.94* | |
| 23 22 16 00-0028 | EA | 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap | 1,225.68 | 65.00 |
| | | *For Work In Restricted Working Space, Add* | *39.03* | |
| 23 22 16 00-0029 | EA | 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap | 2,027.71 | 97.58 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |

### 23 22 16 00-0030 Thermostatic Steam Traps *(23 22 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 22 16 00-0031 | EA | 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap | 172.57 | 35.13 |
| | | *For Work In Restricted Working Space, Add* | *21.08* | |
| 23 22 16 00-0032 | EA | 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap | 291.48 | 36.59 |
| | | *For Work In Restricted Working Space, Add* | *21.95* | |
| 23 22 16 00-0033 | EA | 1" 25 PSI Maximum Pressure Thermostatic Steam Trap | 360.84 | 39.00 |
| | | *For Work In Restricted Working Space, Add* | *23.42* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 22 16 00-0034** | | **Thermodynamic Steam Traps** *(23 22 16 00-0001)* | | |
| 23 22 16 00-0035 | EA | 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap | 387.08 | 31.62 |
| 23 22 16 00-0036 | EA | 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap | 551.01 | 35.13 |
| 23 22 16 00-0037 | EA | 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap | 684.02 | 36.59 |
| 23 22 16 00-0038 | EA | 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap | 918.25 | 39.00 |
| **23 22 16 00-0039** | | **Steam Moisture Separator** *(23 22 16 00-0001)* | | |
| 23 22 16 00-0040 | EA | 1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1) | 798.16 | 58.55 |
| 23 22 16 00-0041 | EA | 3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1) | 844.14 | 79.05 |
| 23 22 16 00-0042 | EA | 1" Steam Moisture Separator, Threaded (Spirax Sarco S1) | 1,017.18 | 89.00 |
| 23 22 16 00-0043 | EA | 1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2) | 1,613.57 | 101.88 |
| 23 22 16 00-0044 | EA | 2" Steam Moisture Separator, Flanged (Spirax Sarco S3) | 1,972.54 | 156.10 |
| 23 22 16 00-0045 | EA | 2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3) | 2,976.23 | 169.80 |
| 23 22 16 00-0046 | EA | 3" Steam Moisture Separator, Flanged (Spirax Sarco S3) | 3,398.01 | 199.08 |
| 23 22 16 00-0047 | EA | 4" Steam Moisture Separator, Flanged (Spirax Sarco S3) | 4,695.60 | 333.74 |
| 23 22 16 00-0048 | EA | 6" Steam Moisture Separator, Flanged (Spirax Sarco S3) | 9,196.80 | 421.57 |
| **23 22 16 00-0049** | | **High Temperature Safety Relief Valve** *(23 22 16)*<br>Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications. | | |
| **23 22 16 00-0050** | | **Cast Iron Body Safety Valve, Steam Or Water** *(23 22 16 00-0049)*<br>Note: Variable set points to 500 PSIG pressure, 400 Degree F temperature range. | | |
| **23 22 16 00-0051** | | **Threaded** *(23 22 16 00-0050)* | | |
| 23 22 16 00-0052 | EA | 3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water | 522.07 | 17.56 |
| 23 22 16 00-0053 | EA | 1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water | 545.97 | 20.78 |
| 23 22 16 00-0054 | EA | 1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water | 601.68 | 26.34 |
| 23 22 16 00-0055 | EA | 1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water | 742.66 | 29.27 |
| 23 22 16 00-0056 | EA | 2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water | 951.05 | 35.99 |
| 23 22 16 00-0057 | EA | 2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water | 1,478.21 | 40.97 |
| 23 22 16 00-0058 | EA | 3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water | 1,601.52 | 47.12 |
| **23 22 16 00-0059** | | **Flanged** *(23 22 16 00-0050)* | | |
| 23 22 16 00-0060 | EA | 1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water | 3,691.64 | 122.91 |
| 23 22 16 00-0061 | EA | 2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water | 4,295.39 | 184.75 |
| 23 22 16 00-0062 | EA | 2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water | 4,747.58 | 170.13 |
| 23 22 16 00-0063 | EA | 2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water | 5,764.09 | 245.72 |
| 23 22 16 00-0064 | EA | 3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water | 6,156.72 | 183.25 |
| 23 22 16 00-0065 | EA | 3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water | 7,231.83 | 245.72 |
| 23 22 16 00-0066 | EA | 4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water | 12,106.05 | 348.70 |
| 23 22 16 00-0067 | EA | 6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water | 24,098.54 | 389.44 |
| **23 22 16 00-0068** | | **Bronze Body Safety Valve, Threaded, Steam** *(23 22 16 00-0049)*<br>Note: Variable set points to 250 PSIG pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 PSIG pressure. | | |
| 23 22 16 00-0069 | EA | 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam | 568.66 | 16.10 |
| 23 22 16 00-0070 | EA | 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam | 582.28 | 17.56 |
| 23 22 16 00-0071 | EA | 1" x 1" Threaded Bronze Body Safety Relief Valve, Steam | 681.79 | 19.31 |
| 23 22 16 00-0072 | EA | 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam | 753.00 | 20.78 |
| 23 22 16 00-0073 | EA | 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam | 871.37 | 23.41 |
| 23 22 16 00-0074 | EA | 1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam | 875.13 | 26.34 |
| 23 22 16 00-0075 | EA | 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam | 984.70 | 27.80 |
| 23 22 16 00-0076 | EA | 1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam | 1,073.33 | 29.27 |
| 23 22 16 00-0077 | EA | 2" x 2" Threaded Bronze Body Safety Relief Valve, Steam | 1,492.04 | 32.77 |
| 23 22 16 00-0078 | EA | 2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam | 1,630.58 | 35.99 |
| 23 22 16 00-0079 | EA | 2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam | 1,946.04 | 40.97 |
| **23 22 16 00-0080** | | **Bronze Body Safety Valve, Threaded, Water** *(23 22 16 00-0049)*<br>Note: Variable set points to 160 psig pressure, 250 Degree F temperature range. | | |
| 23 22 16 00-0081 | EA | 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water | 265.63 | 16.10 |
| 23 22 16 00-0082 | EA | 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water | 302.90 | 17.56 |
| 23 22 16 00-0083 | EA | 1" x 1" Threaded Bronze Body Safety Relief Valve, Water | 420.77 | 19.31 |
| 23 22 16 00-0084 | EA | 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water | 463.40 | 20.78 |
| 23 22 16 00-0085 | EA | 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water | 671.88 | 23.41 |
| 23 22 16 00-0086 | EA | 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water | 907.24 | 27.80 |
| 23 22 16 00-0087 | EA | 2" x 2" Threaded Bronze Body Safety Relief Valve, Water | 1,325.21 | 32.77 |
| **23 22 16 00-0088** | | **Steam Temperature Regulator, Iron Body** *(23 22 16)* | | |
| **23 22 16 00-0089** | | **Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0088)*<br>Note: Up to 150 PSI. | | |
| 23 22 16 00-0090 | EA | 1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 1,409.13 | 16.85 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 22 16 00-0091 | EA | 3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 1,482.13 | 22.71 |
| 23 22 16 00-0092 | EA | 1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 1,967.17 | 27.98 |
| 23 22 16 00-0093 | EA | 1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 2,171.65 | 35.35 |
| 23 22 16 00-0094 | EA | 1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 2,227.81 | 40.61 |
| 23 22 16 00-0095 | EA | 2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 2,632.90 | 44.19 |
| 23 22 16 00-0096 | EA | 2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 3,348.94 | 80.95 |
| 23 22 16 00-0097 | EA | 3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 5,489.48 | 88.28 |
| 23 22 16 00-0098 | EA | 4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 7,984.03 | 206.64 |
| 23 22 16 00-0099 | EA | 6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 13,360.43 | 242.53 |

## 23 22 16 00-0100 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0088)*

| | | | | |
|---|---|---|---|---|
| 23 22 16 00-0101 | EA | 1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 2,089.91 | 16.85 |
| 23 22 16 00-0102 | EA | 3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 2,163.95 | 22.71 |
| 23 22 16 00-0103 | EA | 1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 2,259.94 | 27.98 |
| 23 22 16 00-0104 | EA | 1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 2,705.07 | 35.35 |
| 23 22 16 00-0105 | EA | 1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 2,897.61 | 40.61 |
| 23 22 16 00-0106 | EA | 2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 3,290.64 | 44.19 |
| 23 22 16 00-0107 | EA | 2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 5,041.48 | 80.95 |
| 23 22 16 00-0108 | EA | 3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 7,625.55 | 88.28 |
| 23 22 16 00-0109 | EA | 4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 10,488.18 | 206.64 |
| 23 22 16 00-0110 | EA | 6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 17,014.22 | 242.53 |

## 23 22 16 00-0111 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0088)*

| | | | | |
|---|---|---|---|---|
| 23 22 16 00-0112 | EA | 1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 2,848.96 | 16.85 |
| 23 22 16 00-0113 | EA | 3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 2,889.88 | 22.71 |
| 23 22 16 00-0114 | EA | 1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 3,162.36 | 27.98 |
| 23 22 16 00-0115 | EA | 1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 3,443.06 | 35.35 |
| 23 22 16 00-0116 | EA | 1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 3,567.41 | 40.61 |
| 23 22 16 00-0117 | EA | 2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 4,024.63 | 44.19 |
| 23 22 16 00-0118 | EA | 2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 7,447.92 | 80.95 |
| 23 22 16 00-0119 | EA | 3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 10,826.85 | 88.28 |
| 23 22 16 00-0120 | EA | 4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 13,622.59 | 206.64 |
| 23 22 16 00-0121 | EA | 6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 19,144.67 | 242.53 |

## 23 22 16 00-0122 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0088)*

| | | | | |
|---|---|---|---|---|
| 23 22 16 00-0123 | EA | 1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 3,651.10 | 16.85 |
| 23 22 16 00-0124 | EA | 3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 3,688.03 | 22.71 |
| 23 22 16 00-0125 | EA | 1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 4,004.61 | 27.98 |
| 23 22 16 00-0126 | EA | 1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 4,172.98 | 35.35 |
| 23 22 16 00-0127 | EA | 1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 4,333.45 | 40.61 |
| 23 22 16 00-0128 | EA | 2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 4,718.48 | 44.19 |
| 23 22 16 00-0129 | EA | 2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 7,848.99 | 80.95 |
| 23 22 16 00-0130 | EA | 3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 11,384.57 | 88.28 |
| 23 22 16 00-0131 | EA | 4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 14,180.31 | 206.64 |
| 23 22 16 00-0132 | EA | 6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body | 19,702.40 | 242.53 |

## 23 22 16 00-0133 Steam/Condensate Meter *(23 22 16)*

Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.

| | | | | |
|---|---|---|---|---|
| 23 22 16 00-0134 | EA | 1" Steam/Condensate Meter | 12,866.25 | 97.01 |
| | | *For Steam Meter Pressure-Compensated Counter, Add* | *1,220.00* | |
| | | *For Contactor Used For Dial Counter, Add* | *567.00* | |
| | | *For Wall Or Panel Mounted Remote Totalizer With Contactor, Add* | *905.00* | |
| | | *For Direct Reading Pressure Gauge, Add* | *79.82* | |
| | | *For Direct Reading Thermometer, Stainless Steel Case With Trim, Add* | *64.52* | |
| 23 22 16 00-0135 | EA | 2" Steam/Condensate Meter | 14,509.13 | 113.99 |
| | | *For Steam Meter Pressure-Compensated Counter, Add* | *1,220.00* | |
| | | *For Contactor Used For Dial Counter, Add* | *567.00* | |
| | | *For Wall Or Panel Mounted Remote Totalizer With Contactor, Add* | *905.00* | |
| | | *For Direct Reading Pressure Gauge, Add* | *79.82* | |
| | | *For Direct Reading Thermometer, Stainless Steel Case With Trim, Add* | *64.52* | |
| 23 22 16 00-0136 | EA | 2-1/2" Steam/Condensate Meter | 15,355.91 | 141.47 |
| | | *For Steam Meter Pressure-Compensated Counter, Add* | *1,220.00* | |
| | | *For Contactor Used For Dial Counter, Add* | *567.00* | |
| | | *For Wall Or Panel Mounted Remote Totalizer With Contactor, Add* | *905.00* | |
| | | *For Direct Reading Pressure Gauge, Add* | *79.82* | |
| | | *For Direct Reading Thermometer, Stainless Steel Case With Trim, Add* | *64.52* | |
| 23 22 16 00-0137 | EA | 3" Steam/Condensate Meter | 16,225.33 | 185.94 |
| | | *For Steam Meter Pressure-Compensated Counter, Add* | *1,220.00* | |
| | | *For Contactor Used For Dial Counter, Add* | *567.00* | |
| | | *For Wall Or Panel Mounted Remote Totalizer With Contactor, Add* | *905.00* | |
| | | *For Direct Reading Pressure Gauge, Add* | *79.82* | |
| | | *For Direct Reading Thermometer, Stainless Steel Case With Trim, Add* | *64.52* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 22 16 00-0138 | EA | 4" Steam/Condensate Meter | 18,162.47 | 288.88 |
| | | *For Steam Meter Pressure-Compensated Counter, Add* | *1,220.00* | |
| | | *For Contactor Used For Dial Counter, Add* | *567.00* | |
| | | *For Wall Or Panel Mounted Remote Totalizer With Contactor, Add* | *905.00* | |
| | | *For Direct Reading Pressure Gauge, Add* | *79.82* | |
| | | *For Direct Reading Thermometer, Stainless Steel Case With Trim, Add* | *64.52* | |
| 23 22 16 00-0139 | EA | 6" Steam/Condensate Meter | 31,316.82 | 365.41 |
| | | *For Steam Meter Pressure-Compensated Counter, Add* | *1,220.00* | |
| | | *For Contactor Used For Dial Counter, Add* | *567.00* | |
| | | *For Wall Or Panel Mounted Remote Totalizer With Contactor, Add* | *905.00* | |
| | | *For Direct Reading Pressure Gauge, Add* | *79.82* | |
| | | *For Direct Reading Thermometer, Stainless Steel Case With Trim, Add* | *64.52* | |
| 23 22 16 00-0140 | EA | 8" Steam/Condensate Meter | 32,300.22 | 461.34 |
| | | *For Steam Meter Pressure-Compensated Counter, Add* | *1,220.00* | |
| | | *For Contactor Used For Dial Counter, Add* | *567.00* | |
| | | *For Wall Or Panel Mounted Remote Totalizer With Contactor, Add* | *905.00* | |
| | | *For Direct Reading Pressure Gauge, Add* | *79.82* | |
| | | *For Direct Reading Thermometer, Stainless Steel Case With Trim, Add* | *64.52* | |
| 23 22 16 00-0141 | EA | 10" Steam/Condensate Meter | 33,654.44 | 565.90 |
| | | *For Steam Meter Pressure-Compensated Counter, Add* | *1,220.00* | |
| | | *For Contactor Used For Dial Counter, Add* | *567.00* | |
| | | *For Wall Or Panel Mounted Remote Totalizer With Contactor, Add* | *905.00* | |
| | | *For Direct Reading Pressure Gauge, Add* | *79.82* | |
| | | *For Direct Reading Thermometer, Stainless Steel Case With Trim, Add* | *64.52* | |
| 23 22 16 00-0142 | EA | 12" Steam/Condensate Meter | 35,121.33 | 687.17 |
| | | *For Steam Meter Pressure-Compensated Counter, Add* | *1,220.00* | |
| | | *For Contactor Used For Dial Counter, Add* | *567.00* | |
| | | *For Wall Or Panel Mounted Remote Totalizer With Contactor, Add* | *905.00* | |
| | | *For Direct Reading Pressure Gauge, Add* | *79.82* | |
| | | *For Direct Reading Thermometer, Stainless Steel Case With Trim, Add* | *64.52* | |
| 23 22 16 00-0143 | EA | 14" Steam/Condensate Meter | 37,263.30 | 808.43 |
| | | *For Steam Meter Pressure-Compensated Counter, Add* | *1,220.00* | |
| | | *For Contactor Used For Dial Counter, Add* | *567.00* | |
| | | *For Wall Or Panel Mounted Remote Totalizer With Contactor, Add* | *905.00* | |
| | | *For Direct Reading Pressure Gauge, Add* | *79.82* | |
| | | *For Direct Reading Thermometer, Stainless Steel Case With Trim, Add* | *64.52* | |
| 23 22 16 00-0144 | EA | 16" Steam/Condensate Meter | 38,496.27 | 889.28 |
| | | *For Steam Meter Pressure-Compensated Counter, Add* | *1,220.00* | |
| | | *For Contactor Used For Dial Counter, Add* | *567.00* | |
| | | *For Wall Or Panel Mounted Remote Totalizer With Contactor, Add* | *905.00* | |
| | | *For Direct Reading Pressure Gauge, Add* | *79.82* | |
| | | *For Direct Reading Thermometer, Stainless Steel Case With Trim, Add* | *64.52* | |

## 23 22 23 Steam Condensate Pumps *(23 22)*

### 23 22 23 13 Electric-Driven Steam Condensate Pumps *(23 22 23)*

#### 23 22 23 13-0001 Simplex Condensate Pumps And Motors *(23 22 23 13)*

Note: Cast iron receiver, float switch.

#### 23 22 23 13-0002 20 PSI Discharge Pressure *(23 22 23 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 22 23 13-0003 | EA | 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 1,998.14 | 548.95 |
| 23 22 23 13-0004 | EA | 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 2,544.57 | 564.05 |
| 23 22 23 13-0005 | EA | 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 2,663.08 | 601.80 |
| 23 22 23 13-0006 | EA | 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 2,924.06 | 608.27 |
| 23 22 23 13-0007 | EA | 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 3,264.48 | 662.19 |
| 23 22 23 13-0008 | EA | 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 4,749.73 | 662.19 |
| 23 22 23 13-0009 | EA | 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 4,833.98 | 707.49 |
| 23 22 23 13-0010 | EA | 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 5,877.00 | 739.84 |
| 23 22 23 13-0011 | EA | 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 5,940.87 | 772.20 |

#### 23 22 23 13-0012 30 PSI Discharge Pressure *(23 22 23 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 22 23 13-0013 | EA | 3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 2,286.52 | 586.70 |
| 23 22 23 13-0014 | EA | 9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 2,953.29 | 601.80 |
| 23 22 23 13-0015 | EA | 15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 3,069.23 | 641.70 |
| 23 22 23 13-0016 | EA | 22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 3,541.88 | 693.47 |
| 23 22 23 13-0017 | EA | 30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 4,833.98 | 708.57 |
| 23 22 23 13-0018 | EA | 45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 4,968.47 | 733.37 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 22 23 13-0019 | EA | 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 5,122.16 | 772.20 |
| 23 22 23 13-0020 | EA | 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 5,930.25 | 821.81 |
| **23 22 23 13-0021** | | **40 PSI Discharge Pressure** *(23 22 23 13-0001)* | | |
| 23 22 23 13-0022 | EA | 3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 2,551.61 | 672.97 |
| 23 22 23 13-0023 | EA | 9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 3,200.67 | 726.90 |
| 23 22 23 13-0024 | EA | 22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 3,735.34 | 718.28 |
| 23 22 23 13-0025 | EA | 30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 4,944.87 | 733.37 |
| 23 22 23 13-0026 | EA | 45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 5,052.39 | 764.65 |
| 23 22 23 13-0027 | EA | 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 5,940.87 | 772.20 |
| 23 22 23 13-0028 | EA | 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 6,030.52 | 821.81 |
| **23 22 23 13-0029** | | **50 PSI Discharge Pressure** *(23 22 23 13-0001)* | | |
| 23 22 23 13-0030 | EA | 3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure | 4,721.24 | 729.06 |
| 23 22 23 13-0031 | EA | 9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure | 3,454.47 | 744.16 |
| 23 22 23 13-0032 | EA | 22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure | 3,952.57 | 749.55 |
| 23 22 23 13-0033 | EA | 30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure | 5,140.86 | 815.34 |
| 23 22 23 13-0034 | EA | 60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure | 8,044.43 | 878.97 |
| **23 22 23 13-0035** | | **Duplex Condensate Pumps And Motors** *(23 22 23 13)*<br>Note: Cast iron receiver, float switch, alternator assembly. | | |
| **23 22 23 13-0036** | | **20 PSI Discharge Pressure** *(23 22 23 13-0035)* | | |
| 23 22 23 13-0037 | EA | 9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 3,269.19 | 736.61 |
| 23 22 23 13-0038 | EA | 15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 3,468.96 | 808.87 |
| 23 22 23 13-0039 | EA | 22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 3,779.48 | 815.34 |
| 23 22 23 13-0040 | EA | 30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 4,219.71 | 888.67 |
| 23 22 23 13-0041 | EA | 37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 5,822.92 | 888.67 |
| 23 22 23 13-0042 | EA | 45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 5,942.87 | 957.70 |
| 23 22 23 13-0043 | EA | 60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 7,017.39 | 999.77 |
| 23 22 23 13-0044 | EA | 75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure | 7,195.52 | 1,049.37 |
| **23 22 23 13-0045** | | **30 PSI Discharge Pressure** *(23 22 23 13-0035)* | | |
| 23 22 23 13-0046 | EA | 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 4,209.58 | 793.77 |
| 23 22 23 13-0047 | EA | 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 4,413.75 | 867.10 |
| 23 22 23 13-0048 | EA | 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 4,881.98 | 845.54 |
| 23 22 23 13-0049 | EA | 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 5,942.87 | 957.70 |
| 23 22 23 13-0050 | EA | 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 6,113.59 | 993.28 |
| 23 22 23 13-0051 | EA | 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 6,959.58 | 1,049.37 |
| 23 22 23 13-0052 | EA | 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure | 7,308.76 | 1,124.87 |
| **23 22 23 13-0053** | | **40 PSI Discharge Pressure** *(23 22 23 13-0035)* | | |
| 23 22 23 13-0054 | EA | 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 4,580.89 | 936.13 |
| 23 22 23 13-0055 | EA | 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 5,050.33 | 978.19 |
| 23 22 23 13-0056 | EA | 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 6,127.74 | 993.28 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 22 23 13-0057 | EA | 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 6,307.06 | 1,042.90 |
| 23 22 23 13-0058 | EA | 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 7,196.70 | 1,049.37 |
| 23 22 23 13-0059 | EA | 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure | 7,337.08 | 1,124.87 |
| 23 22 23 13-0060 | | 50 PSI Discharge Pressure *(23 22 23 13-0035)* | | |
| 23 22 23 13-0061 | EA | 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure | 4,776.72 | 936.13 |
| 23 22 23 13-0062 | EA | 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure | 5,158.86 | 1,028.88 |
| 23 22 23 13-0063 | EA | 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure | 6,448.60 | 1,117.32 |
| 23 22 23 13-0064 | EA | 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure | 11,089.36 | 1,210.07 |
| **23 23** | | **Refrigerant Piping** *(23 20)* | | |
| **23 23 13** | | **Refrigerant Piping Valves** *(23 23)* | | |
| 23 23 13 00-0001 | | Ball Valves *(23 23 13)* | | |
| 23 23 13 00-0002 | | Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)* | | |
| 23 23 13 00-0003 | EA | 3/8" Refrigeration Ball Valve, Sweated | 48.26 | 11.71 |
| 23 23 13 00-0004 | EA | 1/2" Refrigeration Ball Valve, Sweated | 50.15 | 11.71 |
| 23 23 13 00-0005 | EA | 5/8" Refrigeration Ball Valve, Sweated | 68.26 | 11.71 |
| 23 23 13 00-0006 | EA | 7/8" Refrigeration Ball Valve, Sweated | 91.37 | 12.88 |
| 23 23 13 00-0007 | EA | 1-1/8" Refrigeration Ball Valve, Sweated | 128.73 | 14.63 |
| 23 23 13 00-0008 | EA | 1-5/8" Refrigeration Ball Valve, Sweated | 210.45 | 18.02 |
| 23 23 13 00-0009 | | Shut-Off Valves *(23 23 13)* | | |
| 23 23 13 00-0010 | | Packless *(23 23 13 00-0009)* | | |
| 23 23 13 00-0011 | EA | 1/2" Refrigeration Valve, Packless | 66.11 | 12.18 |
| 23 23 13 00-0012 | EA | 5/8" Refrigeration Valve, Packless | 82.95 | 13.35 |
| 23 23 13 00-0013 | EA | 7/8" Refrigeration Valve, Packless | 171.44 | 18.27 |
| 23 23 13 00-0014 | | Packed *(23 23 13 00-0009)* | | |
| 23 23 13 00-0015 | EA | 1-1/8" Refrigeration Valve, Packed | 305.49 | 26.58 |
| 23 23 13 00-0016 | EA | 1 3/8" Refrigeration Valve, Packed | 408.88 | 32.55 |
| 23 23 13 00-0017 | EA | 1-5/8" Refrigeration Valve, Packed | 498.53 | 36.65 |
| 23 23 13 00-0018 | EA | 2-1/8" Refrigeration Valve, Packed | 713.92 | 41.81 |
| 23 23 13 00-0019 | EA | 2-5/8" Refrigeration Valve, Packed | 1,177.30 | 117.10 |
| 23 23 13 00-0020 | EA | 3-1/8" Refrigeration Valve, Packed | 1,545.99 | 146.38 |
| 23 23 13 00-0021 | EA | 4-1/8" Refrigeration Valve, Packed | 2,200.39 | 195.21 |
| 23 23 13 00-0022 | | Check Valves *(23 23 13)* | | |
| 23 23 13 00-0023 | EA | 5/8" Check Valve, Refrigeration | 83.04 | 11.71 |
| 23 23 13 00-0024 | EA | 7/8" Check Valve, Refrigeration | 267.32 | 12.88 |
| 23 23 13 00-0025 | EA | 1-1/8" Check Valve, Refrigeration | 309.84 | 14.63 |
| 23 23 13 00-0026 | EA | 1 3/8" Check Valve, Refrigeration | 417.64 | 15.57 |
| 23 23 13 00-0027 | EA | 1-5/8" Check Valve, Refrigeration | 550.80 | 18.03 |
| 23 23 13 00-0028 | EA | 2-1/8" Check Valve, Refrigeration | 818.76 | 21.31 |
| 23 23 13 00-0029 | EA | 2-5/8" Check Valve, Refrigeration | 1,145.76 | 31.26 |
| 23 23 13 00-0030 | EA | 3-1/8" Check Valve, Refrigeration | 1,517.71 | 40.98 |
| 23 23 13 00-0031 | | Solenoid Valves *(23 23 13)* | | |
| 23 23 13 00-0032 | | Solenoid Valve, 24 Volt Coil *(23 23 13 00-0031)* | | |
| 23 23 13 00-0033 | EA | 1/2" Solenoid Valve, Refrigeration | 228.35 | 11.71 |
| 23 23 13 00-0034 | EA | 5/8" Solenoid Valve, Refrigeration | 233.88 | 11.71 |
| 23 23 13 00-0035 | EA | 3/4" Solenoid Valve, Refrigeration | 288.94 | 12.88 |
| 23 23 13 00-0036 | EA | 7/8" Solenoid Valve, Refrigeration | 288.94 | 12.88 |
| 23 23 13 00-0037 | EA | 1-1/8" Solenoid Valve, Refrigeration | 405.07 | 14.63 |
| 23 23 13 00-0038 | EA | 1 3/8" Solenoid Valve, Refrigeration | 651.37 | 15.57 |
| 23 23 13 00-0039 | EA | 1-5/8" Solenoid Valve, Refrigeration | 1,202.05 | 18.03 |
| 23 23 13 00-0040 | EA | 2-1/8" Solenoid Valve, Refrigeration | 1,218.42 | 21.31 |
| **23 23 16** | | **Refrigerant Piping Specialties** *(23 23)* | | |
| 23 23 16 00-0001 | | Soft Refrigeration Copper Tubing *(23 23 16)* Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-1080 for flexible elastomeric insulation (insulation on suction line only). | | |
| 23 23 16 00-0002 | LF | 1/8" Outside Diameter Soft Refrigeration Copper Tubing | 4.93 | 2.79 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 23 16 00-0003 | LF | 3/16" Outside Diameter Soft Refrigeration Copper Tubing | 5.17 | 2.86 |
| 23 23 16 00-0004 | LF | 1/4" Outside Diameter Soft Refrigeration Copper Tubing | 5.41 | 2.94 |
| 23 23 16 00-0005 | LF | 5/16" Outside Diameter Soft Refrigeration Copper Tubing | 5.81 | 2.98 |
| 23 23 16 00-0006 | LF | 3/8" Outside Diameter Soft Refrigeration Copper Tubing | 5.99 | 3.03 |
| 23 23 16 00-0007 | LF | 1/2" Outside Diameter Soft Refrigeration Copper Tubing | 6.75 | 3.18 |
| 23 23 16 00-0008 | LF | 5/8" Outside Diameter Soft Refrigeration Copper Tubing | 7.46 | 3.22 |
| 23 23 16 00-0009 | LF | 3/4" Outside Diameter Soft Refrigeration Copper Tubing | 8.17 | 3.33 |
| 23 23 16 00-0010 | LF | 7/8" Outside Diameter Soft Refrigeration Copper Tubing | 10.57 | 3.91 |
| 23 23 16 00-0011 | LF | 1-1/8" Outside Diameter Soft Refrigeration Copper Tubing | 13.48 | 4.48 |
| 23 23 16 00-0012 | LF | 1-3/8" Outside Diameter Soft Refrigeration Copper Tubing | 19.60 | 5.31 |
| 23 23 16 00-0013 | LF | 1-5/8" Outside Diameter Soft Refrigeration Copper Tubing | 23.67 | 5.93 |

## 23 23 16 00-0014 Refrigeration Copper Tubing Assembly *(23 23 16)*

Note: Based on outside diameter. Nitrogenized. Includes pipe, 1/2" thick flexible elastomeric foam insulation, coupling fittings and fastener straps. See CSI section 22 07 19 00-1080 for flexible elastomeric insulation (insulation on suction line only).

| | | | | |
|---|---|---|---|---|
| 23 23 16 00-0015 | LF | 1/4" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation | 8.27 | 3.15 |
| 23 23 16 00-0016 | LF | 5/16" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation | 8.67 | 3.19 |
| 23 23 16 00-0017 | LF | 3/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation | 8.81 | 3.28 |
| 23 23 16 00-0018 | LF | 1/2" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation | 9.81 | 3.52 |
| 23 23 16 00-0019 | LF | 5/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation | 10.66 | 3.52 |
| 23 23 16 00-0020 | LF | 3/4" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation | 12.23 | 4.10 |
| 23 23 16 00-0021 | LF | 7/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation | 14.34 | 4.33 |
| 23 23 16 00-0022 | LF | 1-1/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation | 18.27 | 5.27 |
| 23 23 16 00-0023 | LF | 1-3/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation | 24.85 | 6.09 |
| 23 23 16 00-0024 | LF | 1-5/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation | 29.35 | 6.56 |

## 23 23 16 00-0025 Type L Drawn, ACR Copper Tubing *(23 23 16)*

Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-1080 for flexible elastomeric insulation (insulation on suction line only).

| | | | | |
|---|---|---|---|---|
| 23 23 16 00-0026 | LF | 3/8" Outside Diameter Type L Drawn, ACR Copper Tubing | 6.63 | 3.28 |
| | | *For Medical Applications "Oxygen Clean", Add* | *0.63* | |
| 23 23 16 00-0027 | LF | 1/2" Outside Diameter Type L Drawn, ACR Copper Tubing | 7.48 | 3.28 |
| | | *For Medical Applications "Oxygen Clean", Add* | *0.70* | |
| 23 23 16 00-0028 | LF | 5/8" Outside Diameter Type L Drawn, ACR Copper Tubing | 8.03 | 3.28 |
| | | *For Medical Applications "Oxygen Clean", Add* | *0.74* | |
| 23 23 16 00-0029 | LF | 3/4" Outside Diameter Type L Drawn, ACR Copper Tubing | 11.59 | 4.92 |
| | | *For Medical Applications "Oxygen Clean", Add* | *1.07* | |
| 23 23 16 00-0030 | LF | 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing | 12.67 | 5.27 |
| | | *For Medical Applications "Oxygen Clean", Add* | *1.17* | |
| 23 23 16 00-0031 | LF | 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing | 14.81 | 5.27 |
| | | *For Medical Applications "Oxygen Clean", Add* | *1.34* | |
| 23 23 16 00-0032 | LF | 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing | 18.46 | 6.09 |
| | | *For Medical Applications "Oxygen Clean", Add* | *1.66* | |
| 23 23 16 00-0033 | LF | 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing | 22.38 | 7.03 |
| | | *For Medical Applications "Oxygen Clean", Add* | *2.00* | |
| 23 23 16 00-0034 | LF | 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing | 31.77 | 8.78 |
| | | *For Medical Applications "Oxygen Clean", Add* | *2.80* | |
| 23 23 16 00-0035 | LF | 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing | 47.65 | 13.23 |
| | | *For Medical Applications "Oxygen Clean", Add* | *4.21* | |
| 23 23 16 00-0036 | LF | 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing | 61.70 | 16.40 |
| | | *For Medical Applications "Oxygen Clean", Add* | *5.43* | |
| 23 23 16 00-0037 | LF | 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing | 77.74 | 19.43 |
| | | *For Medical Applications "Oxygen Clean", Add* | *6.80* | |
| 23 23 16 00-0038 | LF | 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing | 96.15 | 23.42 |
| | | *For Medical Applications "Oxygen Clean", Add* | *8.39* | |

## 23 23 16 00-0039 Refrigeration Fittings *(23 23 16)*

## 23 23 16 00-0040 Brass Flare Fittings *(23 23 16 00-0039)*

## 23 23 16 00-0041 Brass Flare Unions *(23 23 16 00-0040)*

| | | | | |
|---|---|---|---|---|
| 23 23 16 00-0042 | EA | 3/8" Brass Flare Union | 30.56 | 12.65 |
| 23 23 16 00-0043 | EA | 1/2" Brass Flare Union | 30.56 | 12.65 |
| 23 23 16 00-0044 | EA | 5/8" Brass Flare Union | 33.56 | 12.65 |

## 23 23 16 00-0045 90 Degree Elbow Brass Flare Unions *(23 23 16 00-0040)*

| | | | | |
|---|---|---|---|---|
| 23 23 16 00-0046 | EA | 3/8" 90 Degree Brass Flare Elbow Union | 32.38 | 12.65 |
| 23 23 16 00-0047 | EA | 1/2" 90 Degree Brass Flare Elbow Union | 32.38 | 12.65 |
| 23 23 16 00-0048 | EA | 5/8" 90 Degree Brass Flare Elbow Union | 42.44 | 12.65 |

## 23 23 16 00-0049 Brass Flare Tees *(23 23 16 00-0040)*

| | | | | |
|---|---|---|---|---|
| 23 23 16 00-0050 | EA | 3/8" Brass Flare Tee | 48.77 | 21.07 |
| 23 23 16 00-0051 | EA | 1/2" Brass Flare Tee | 53.26 | 21.07 |
| 23 23 16 00-0052 | EA | 5/8" Brass Flare Tee | 77.68 | 21.07 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 23 16 00-0053** | | **Male Connector, Half Brass Flare Unions** *(23 23 16 00-0040)* | | |
| 23 23 16 00-0054 | EA | 3/8" Brass Flare Male Connector, Half Union | 22.30 | 12.65 |
| 23 23 16 00-0055 | EA | 1/2" Brass Flare Male Connector, Half Union | 25.31 | 12.65 |
| 23 23 16 00-0056 | EA | 5/8" Brass Flare Male Connector, Half Union | 29.59 | 12.65 |
| **23 23 16 00-0057** | | **Female Connector, Half Brass Flare Unions** *(23 23 16 00-0040)* | | |
| 23 23 16 00-0058 | EA | 3/8" Brass Flare Female Connector, Half Union | 26.17 | 12.65 |
| 23 23 16 00-0059 | EA | 1/2" Brass Flare Female Connector, Half Union | 30.24 | 12.65 |
| 23 23 16 00-0060 | EA | 5/8" Brass Flare Female Connector, Half Union | 30.24 | 12.65 |
| **23 23 16 00-0061** | | **Long Forged Nuts** *(23 23 16 00-0040)* | | |
| 23 23 16 00-0062 | EA | 3/8" Brass Long Forged Nut | 24.13 | 12.65 |
| 23 23 16 00-0063 | EA | 1/2" Brass Long Forged Nut | 25.31 | 12.65 |
| 23 23 16 00-0064 | EA | 5/8" Brass Long Forged Nut | 38.37 | 12.65 |
| **23 23 16 00-0065** | | **Short Forged Nuts** *(23 23 16 00-0040)* | | |
| 23 23 16 00-0066 | EA | 3/8" Brass Short Forged Nut | 22.43 | 12.65 |
| 23 23 16 00-0067 | EA | 1/2" Brass Short Forged Nut | 25.14 | 12.65 |
| 23 23 16 00-0068 | EA | 5/8" Brass Short Forged Nut | 25.70 | 12.65 |
| **23 23 16 00-0069** | | **ACR Wrought Copper Fittings** *(23 23 16 00-0039)* Note: Soldered. | | |
| **23 23 16 00-0070** | | **ACR Wrought Copper Coupling** *(23 23 16 00-0069)* Note: C x C | | |
| 23 23 16 00-0071 | EA | 1/4" ACR Wrought Copper Coupling | 21.61 | 12.65 |
| 23 23 16 00-0072 | EA | 3/8" ACR Wrought Copper Coupling | 21.13 | 12.65 |
| 23 23 16 00-0073 | EA | 1/2" ACR Wrought Copper Coupling | 21.84 | 12.65 |
| 23 23 16 00-0074 | EA | 5/8" ACR Wrought Copper Coupling | 22.32 | 13.23 |
| 23 23 16 00-0075 | EA | 3/4" ACR Wrought Copper Coupling | 32.68 | 17.44 |
| 23 23 16 00-0076 | EA | 7/8" ACR Wrought Copper Coupling | 31.74 | 17.92 |
| 23 23 16 00-0077 | EA | 1-1/8" ACR Wrought Copper Coupling | 43.12 | 22.25 |
| 23 23 16 00-0078 | EA | 1-3/8" ACR Wrought Copper Coupling | 62.88 | 30.45 |
| 23 23 16 00-0079 | EA | 1-5/8" ACR Wrought Copper Coupling | 76.35 | 35.72 |
| 23 23 16 00-0080 | EA | 2-1/8" ACR Wrought Copper Coupling | 102.90 | 43.33 |
| 23 23 16 00-0081 | EA | 2-5/8" ACR Wrought Copper Coupling | 184.19 | 65.81 |
| 23 23 16 00-0082 | EA | 3-1/8" ACR Wrought Copper Coupling | 246.35 | 86.54 |
| 23 23 16 00-0083 | EA | 4-1/8" ACR Wrought Copper Coupling | 419.19 | 102.82 |
| **23 23 16 00-0084** | | **ACR Wrought Copper Short Radius 90 Degree Elbows** *(23 23 16 00-0069)* Note: C x C | | |
| 23 23 16 00-0085 | EA | 1/4" ACR Wrought Copper Short Radius 90 Degree Elbow | 28.06 | 12.65 |
| 23 23 16 00-0086 | EA | 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow | 28.54 | 12.65 |
| 23 23 16 00-0087 | EA | 1/2" ACR Wrought Copper Short Radius 90 Degree Elbow | 28.06 | 12.65 |
| 23 23 16 00-0088 | EA | 5/8" ACR Wrought Copper Short Radius 90 Degree Elbow | 30.69 | 13.23 |
| 23 23 16 00-0089 | EA | 3/4" ACR Wrought Copper Short Radius 90 Degree Elbow | 45.84 | 17.44 |
| 23 23 16 00-0090 | EA | 7/8" ACR Wrought Copper Short Radius 90 Degree Elbow | 46.34 | 17.92 |
| 23 23 16 00-0091 | EA | 1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow | 59.41 | 22.25 |
| 23 23 16 00-0092 | EA | 1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow | 72.27 | 30.45 |
| 23 23 16 00-0093 | EA | 1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow | 95.08 | 35.72 |
| 23 23 16 00-0094 | EA | 2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow | 140.50 | 43.33 |
| 23 23 16 00-0095 | EA | 2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow | 249.93 | 65.81 |
| 23 23 16 00-0096 | EA | 3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow | 319.87 | 86.54 |
| 23 23 16 00-0097 | EA | 4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow | 640.69 | 102.82 |
| **23 23 16 00-0098** | | **ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0069)* Note: C x C | | |
| 23 23 16 00-0099 | EA | 1/4" ACR Wrought Copper Long Radius 90 Degree Elbow | 36.12 | 12.65 |
| 23 23 16 00-0100 | EA | 3/8" ACR Wrought Copper Long Radius 90 Degree Elbow | 31.86 | 12.65 |
| 23 23 16 00-0101 | EA | 1/2" ACR Wrought Copper Long Radius 90 Degree Elbow | 35.24 | 12.65 |
| 23 23 16 00-0102 | EA | 5/8" ACR Wrought Copper Long Radius 90 Degree Elbow | 34.58 | 13.23 |
| 23 23 16 00-0103 | EA | 3/4" ACR Wrought Copper Long Radius 90 Degree Elbow | 41.10 | 17.44 |
| 23 23 16 00-0104 | EA | 7/8" ACR Wrought Copper Long Radius 90 Degree Elbow | 45.83 | 17.92 |
| 23 23 16 00-0105 | EA | 1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow | 63.88 | 22.25 |
| 23 23 16 00-0106 | EA | 1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow | 95.26 | 30.45 |
| 23 23 16 00-0107 | EA | 1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow | 120.18 | 35.72 |
| 23 23 16 00-0108 | EA | 2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow | 240.07 | 43.33 |
| 23 23 16 00-0109 | EA | 2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow | 375.96 | 65.81 |
| 23 23 16 00-0110 | EA | 3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow | 496.98 | 86.54 |
| 23 23 16 00-0111 | EA | 4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow | 1,137.80 | 102.82 |
| **23 23 16 00-0112** | | **ACR Wrought Copper 45 Degree Elbow** *(23 23 16 00-0069)* Note: C x C | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 23 16 00-0113 | EA | 1/4" ACR Wrought Copper 45 Degree Elbow | 41.98 | 12.65 |
| 23 23 16 00-0114 | EA | 3/8" ACR Wrought Copper 45 Degree Elbow | 36.12 | 12.65 |
| 23 23 16 00-0115 | EA | 1/2" ACR Wrought Copper 45 Degree Elbow | 33.62 | 12.65 |
| 23 23 16 00-0116 | EA | 5/8" ACR Wrought Copper 45 Degree Elbow | 25.82 | 13.23 |
| 23 23 16 00-0117 | EA | 3/4" ACR Wrought Copper 45 Degree Elbow | 52.08 | 17.44 |
| 23 23 16 00-0118 | EA | 7/8" ACR Wrought Copper 45 Degree Elbow | 37.20 | 17.92 |
| 23 23 16 00-0119 | EA | 1-1/8" ACR Wrought Copper 45 Degree Elbow | 59.35 | 22.25 |
| 23 23 16 00-0120 | EA | 1-3/8" ACR Wrought Copper 45 Degree Elbow | 80.54 | 30.45 |
| 23 23 16 00-0121 | EA | 1-5/8" ACR Wrought Copper 45 Degree Elbow | 95.61 | 35.72 |
| 23 23 16 00-0122 | EA | 2-1/8" ACR Wrought Copper 45 Degree Elbow | 135.04 | 43.33 |
| 23 23 16 00-0123 | EA | 2-5/8" ACR Wrought Copper 45 Degree Elbow | 248.10 | 65.81 |
| 23 23 16 00-0124 | EA | 3-1/8" ACR Wrought Copper 45 Degree Elbow | 338.33 | 86.54 |
| 23 23 16 00-0125 | EA | 4-1/8" ACR Wrought Copper45 Degree Elbow | 598.48 | 102.82 |
| **23 23 16 00-0126** | | **ACR Wrought Copper Tee** *(23 23 16 00-0069)* | | |
| | | Note: C x C x C | | |
| 23 23 16 00-0127 | EA | 1/4" ACR Wrought Copper Tee | 49.92 | 21.07 |
| 23 23 16 00-0128 | EA | 3/8" ACR Wrought Copper Tee | 50.95 | 21.07 |
| 23 23 16 00-0129 | EA | 1/2" ACR Wrought Copper Tee | 47.13 | 21.07 |
| 23 23 16 00-0130 | EA | 5/8" ACR Wrought Copper Tee | 45.26 | 26.58 |
| 23 23 16 00-0131 | EA | 3/4" ACR Wrought Copper Tee | 75.25 | 26.58 |
| 23 23 16 00-0132 | EA | 7/8" ACR Wrought Copper Tee | 53.67 | 26.93 |
| 23 23 16 00-0133 | EA | 1-1/8" ACR Wrought Copper Tee | 94.69 | 35.72 |
| 23 23 16 00-0134 | EA | 1-3/8" ACR Wrought Copper Tee | 120.48 | 43.33 |
| 23 23 16 00-0135 | EA | 1-5/8" ACR Wrought Copper Tee | 162.76 | 51.41 |
| 23 23 16 00-0136 | EA | 2-1/8" ACR Wrought Copper Tee | 236.39 | 68.50 |
| 23 23 16 00-0137 | EA | 2-5/8" ACR Wrought Copper Tee | 493.82 | 149.54 |
| 23 23 16 00-0138 | EA | 3-1/8" ACR Wrought Copper Tee | 633.47 | 164.41 |
| 23 23 16 00-0139 | EA | 4-1/8" ACR Wrought Copper Tee | 1,210.36 | 182.68 |
| **23 23 16 00-0140** | | **ACR Wrought Copper Male Adapter** *(23 23 16 00-0069)* | | |
| | | Note: C x M | | |
| 23 23 16 00-0141 | EA | 1/4" ACR Wrought Copper Male Adapter | 47.80 | 12.65 |
| 23 23 16 00-0142 | EA | 3/8" ACR Wrought Copper Male Adapter | 57.16 | 12.65 |
| 23 23 16 00-0143 | EA | 1/2" ACR Wrought Copper Male Adapter | 41.60 | 12.65 |
| **23 23 16 00-0144** | | **ACR Wrought Copper Female Adapter** *(23 23 16 00-0069)* | | |
| | | Note: C x F | | |
| 23 23 16 00-0145 | EA | 1/4" ACR Wrought Copper Female Adapter | 44.12 | 12.65 |
| 23 23 16 00-0146 | EA | 3/8" ACR Wrought Copper Female Adapter | 38.75 | 12.65 |
| 23 23 16 00-0147 | EA | 1/2" ACR Wrought Copper Female Adapter | 40.78 | 12.65 |
| **23 23 16 00-0148** | | **ACR Wrought Copper Cap** *(23 23 16 00-0069)* | | |
| | | Note: C | | |
| 23 23 16 00-0149 | EA | 1/4" ACR Wrought Copper Cap | 17.10 | 8.43 |
| 23 23 16 00-0150 | EA | 3/8" ACR Wrought Copper Cap | 15.40 | 8.43 |
| 23 23 16 00-0151 | EA | 1/2" ACR Wrought Copper Cap | 17.06 | 8.43 |
| **23 23 16 00-0152** | | **ACR Wrought Copper P-Trap** *(23 23 16 00-0069)* | | |
| 23 23 16 00-0153 | EA | 5/8" ACR Wrought Copper P-Trap | 137.27 | 10.78 |
| 23 23 16 00-0154 | EA | 3/4" ACR Wrought Copper P-Trap | 191.97 | 11.86 |
| 23 23 16 00-0155 | EA | 7/8" ACR Wrought Copper P-Trap | 159.65 | 11.86 |
| 23 23 16 00-0156 | EA | 1-1/8" ACR Wrought Copper P-Trap | 224.49 | 12.94 |
| 23 23 16 00-0157 | EA | 1-3/8" ACR Wrought Copper P-Trap | 394.23 | 12.94 |
| 23 23 16 00-0158 | EA | 1-5/8" ACR Wrought Copper P-Trap | 569.52 | 14.02 |
| 23 23 16 00-0159 | EA | 2-1/8" ACR Wrought Copper P-Trap | 1,074.67 | 15.10 |
| **23 23 16 00-0160** | | **Sight Glass With Moisture And Liquid Indicator, Solder Connection** *(23 23 16)* | | |
| 23 23 16 00-0161 | EA | 1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection | 60.91 | 16.18 |
| 23 23 16 00-0162 | EA | 3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection | 73.98 | 19.41 |
| 23 23 16 00-0163 | EA | 1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection | 89.46 | 23.72 |
| 23 23 16 00-0164 | EA | 5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection | 98.21 | 26.96 |
| 23 23 16 00-0165 | EA | 7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection | 132.80 | 34.51 |
| 23 23 16 00-0166 | EA | 1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection | 153.28 | 42.06 |
| 23 23 16 00-0167 | EA | 1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection | 238.56 | 49.61 |
| 23 23 16 00-0168 | EA | 1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection | 293.25 | 67.95 |
| 23 23 16 00-0169 | EA | 2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection | 359.81 | 84.12 |
| **23 23 16 00-0170** | | **Filter Driers, Solder Connections** *(23 23 16)* | | |
| **23 23 16 00-0171** | | **Replaceable Core Type Filter Driers, Solder Connections** *(23 23 16 00-0170)* | | |
| 23 23 16 00-0172 | EA | 5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections | 558.75 | 9.71 |
| 23 23 16 00-0173 | EA | 7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections | 560.10 | 11.86 |
| 23 23 16 00-0174 | EA | 1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections | 715.15 | 11.86 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 23 16 00-0175 | EA | 1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections | 710.55 | 12.94 |
| 23 23 16 00-0176 | EA | 1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections | 790.09 | 14.02 |
| 23 23 16 00-0177 | EA | 2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections | 886.36 | 15.10 |
| 23 23 16 00-0178 | EA | 2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections | 1,035.08 | 16.18 |
| 23 23 16 00-0179 | EA | 3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections | 1,292.19 | 16.18 |
| **23 23 16 00-0180** | | **Sealed In-Line Filter Driers, Solder Connections** *(23 23 16 00-0170)* | | |
| 23 23 16 00-0181 | EA | 1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections | 87.99 | 9.71 |
| 23 23 16 00-0182 | EA | 3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections | 112.42 | 9.71 |
| 23 23 16 00-0183 | EA | 1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections | 143.59 | 10.78 |
| 23 23 16 00-0184 | EA | 1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections | 166.46 | 10.78 |
| 23 23 16 00-0185 | EA | 5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections | 182.93 | 10.78 |
| 23 23 16 00-0186 | EA | 5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections | 212.16 | 10.78 |
| 23 23 16 00-0187 | EA | 7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections | 238.68 | 11.86 |
| 23 23 16 00-0188 | EA | 7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections | 354.55 | 11.86 |
| 23 23 16 00-0189 | EA | 1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections | 385.35 | 11.86 |
| **23 23 16 00-0190** | | **Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0170)* | | |
| 23 23 16 00-0191 | EA | 1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections | 124.27 | 9.71 |
| 23 23 16 00-0192 | EA | 3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections | 138.24 | 9.71 |
| 23 23 16 00-0193 | EA | 1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections | 164.72 | 10.78 |
| 23 23 16 00-0194 | EA | 3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections | 148.48 | 9.71 |
| 23 23 16 00-0195 | EA | 1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections | 185.84 | 10.78 |
| 23 23 16 00-0196 | EA | 5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections | 215.79 | 10.78 |
| **23 23 16 00-0197** | | **Refrigerant Compressor Discharge Mufflers** *(23 23 16)* | | |
| 23 23 16 00-0198 | EA | 3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler | 111.64 | 9.71 |
| 23 23 16 00-0199 | EA | 1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler | 123.25 | 9.71 |
| 23 23 16 00-0200 | EA | 5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler | 148.65 | 9.71 |
| 23 23 16 00-0201 | EA | 7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler | 199.13 | 11.86 |
| 23 23 16 00-0202 | EA | 1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler | 259.68 | 11.86 |
| 23 23 16 00-0203 | EA | 1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler | 308.46 | 12.94 |
| 23 23 16 00-0204 | EA | 1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler | 391.05 | 14.02 |
| 23 23 16 00-0205 | EA | 2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler | 726.10 | 15.10 |
| 23 23 16 00-0206 | EA | 2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler | 810.32 | 16.18 |
| 23 23 16 00-0207 | EA | 3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler | 1,002.62 | 16.18 |
| **23 23 16 00-0208** | | **Expansion Valves And Vibration Absorbers** *(23 23 16)* | | |
| **23 23 16 00-0209** | | **Thermostatic Expansion Valves** *(23 23 16 00-0208)* | | |
| | | Note: Outside diameter pipe sizes. Sporlan TP-S. | | |
| 23 23 16 00-0210 | EA | 3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve | 241.33 | 9.71 |
| 23 23 16 00-0211 | EA | 1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve | 336.14 | 10.78 |
| 23 23 16 00-0212 | EA | 5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve | 574.41 | 10.78 |
| 23 23 16 00-0213 | EA | 7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve | 680.78 | 11.86 |
| 23 23 16 00-0214 | EA | 7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve | 734.71 | 11.86 |
| **23 23 16 00-0215** | | **Electric Expansion Valves** *(23 23 16 00-0208)* | | |
| | | Note: Sporlan SEI or SEH. | | |
| 23 23 16 00-0216 | EA | 1/2 To 11 Ton Electric Expansion Valve | 597.07 | 13.48 |
| | | Note: Sporlan SEI. | | |
| 23 23 16 00-0217 | EA | 25 Ton Electric Expansion Valve | 692.26 | 14.02 |
| | | Note: Sporlan SEI. | | |
| 23 23 16 00-0218 | EA | 50 Ton Electric Expansion Valve | 788.00 | 14.56 |
| | | Note: Sporlan SEI. | | |
| 23 23 16 00-0219 | EA | 100 Ton Electric Expansion Valve | 924.33 | 14.56 |
| | | Note: Sporlan SEH. | | |
| 23 23 16 00-0220 | EA | 175 Ton Electric Expansion Valve | 1,041.36 | 15.10 |
| | | Note: Sporlan SEH. | | |
| **23 23 16 00-0221** | | **Braided Stainless Steel Over Copper Vibration Absorber** *(23 23 16 00-0208)* | | |
| 23 23 16 00-0222 | EA | 1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber | 63.98 | 14.02 |
| 23 23 16 00-0223 | EA | 3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber | 64.11 | 16.18 |
| 23 23 16 00-0224 | EA | 1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber | 83.20 | 20.49 |
| 23 23 16 00-0225 | EA | 5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber | 89.46 | 24.80 |
| 23 23 16 00-0226 | EA | 3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber | 105.27 | 30.19 |
| 23 23 16 00-0227 | EA | 7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber | 121.92 | 34.51 |
| 23 23 16 00-0228 | EA | 1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber | 173.05 | 12.94 |
| 23 23 16 00-0229 | EA | 1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber | 244.77 | 14.02 |
| 23 23 16 00-0230 | EA | 1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber | 307.12 | 14.02 |
| 23 23 16 00-0231 | EA | 2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber | 421.77 | 15.10 |
| 23 23 16 00-0232 | EA | 2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber | 721.33 | 16.18 |
| 23 23 16 00-0233 | EA | 3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber | 945.97 | 16.18 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 23 16 00-0234** | | **Accumulator, Refrigerant Suction Line** *(23 23 16)* | | |
| 23 23 16 00-0235 | EA | 3/4" Accumulator, Refrigeration Suction Line | 203.16 | 49.07 |
| 23 23 16 00-0236 | EA | 7/8" Accumulator, Refrigeration Suction Line | 275.20 | 67.40 |
| 23 23 16 00-0237 | EA | 1-1/8" Accumulator, Refrigeration Suction Line | 326.69 | 89.84 |
| 23 23 16 00-0238 | EA | 1 3/8" Accumulator, Refrigeration Suction Line | 463.28 | 107.85 |
| 23 23 16 00-0239 | EA | 1-5/8" Accumulator, Refrigeration Suction Line | 640.69 | 134.81 |
| 23 23 16 00-0240 | EA | 2-1/8" Accumulator, Refrigeration Suction Line | 978.29 | 179.79 |
| **23 23 16 00-0241** | | **Special Chemicals/Component** *(23 23 16)* | | |
| 23 23 16 00-0242 | GAL | Special Chemical, Inhibited Propylene Glycol, 100% | 30.99 | |
| 23 23 16 00-0243 | GAL | Removal And Storage For Reuse Of Inhibited Propylene Glycol | 8.36 | |
| 23 23 16 00-0244 | GAL | Special Chemical, Inhibited Ethylene Glycol, 100% | 21.29 | |
| 23 23 16 00-0245 | EA | Internal Coil/Refrigerant Piping Flush<br>Note: Up to 10 ton AC system. | 351.94 | |
| **23 23 16 00-0246** | | **Copper Refrigeration Line Sets, Pre-Insulated** *(23 23 16)*<br>Note: Includes fasteners and insulation on suction line only | | |
| 23 23 16 00-0247 | LF | 5/16" Outside Diameter Liquid, And 5/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation | 14.62 | 0.91 |
| 23 23 16 00-0248 | LF | 5/16" Outside Diameter Liquid, And 3/4" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation | 15.43 | 0.91 |
| 23 23 16 00-0249 | LF | 3/8" Outside Diameter Liquid, And 5/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation | 13.77 | 0.92 |
| 23 23 16 00-0250 | LF | 3/8" Outside Diameter Liquid, And 3/4" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation | 16.23 | 0.93 |
| 23 23 16 00-0251 | LF | 3/8" Outside Diameter Liquid, And 7/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation | 19.59 | 0.95 |
| 23 23 16 00-0252 | LF | 3/8" Outside Diameter Liquid, And 1-1/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation | 23.06 | 1.01 |
| 23 23 16 00-0253 | LF | 1/2" Outside Diameter Liquid, And 3/4" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation | 17.12 | 0.95 |
| 23 23 16 00-0254 | LF | 1/2" Outside Diameter Liquid, And 7/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation | 21.68 | 1.02 |
| 23 23 16 00-0255 | LF | 1/2" Outside Diameter Liquid, And 1-1/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation | 26.26 | 1.08 |
| **23 23 16 00-0256** | | **Triple Copper Refrigeration Line Sets** *(23 23 16)*<br>Note: Includes fasteners and insulation | | |
| 23 23 16 00-0257 | LF | 1-3/8" / 1-1/8" / 3/4" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation | 55.40 | 8.86 |
| 23 23 16 00-0258 | LF | 1-1/8" / 7/8" / 3/4" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation | 45.18 | 7.93 |
| 23 23 16 00-0259 | LF | 1-1/8" / 7/8" / 5/8" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation | 43.61 | 7.64 |
| 23 23 16 00-0260 | LF | 1-1/8" / 3/4" / 1/2" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation | 40.79 | 7.48 |
| 23 23 16 00-0261 | LF | 7/8" / 3/4" / 1/2" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation | 36.15 | 6.93 |
| 23 23 16 00-0262 | LF | 5/8" / 1/2" / 3/8" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation | 29.19 | 6.05 |

## 23 23 23 Refrigerants *(23 23)*

| | | | | |
|---|---|---|---|---|
| **23 23 23 00-0001** | | **Refrigerant** *(23 23 23)* | | |
| 23 23 23 00-0002 | LB | R-123 Refrigerant | 38.58 | |
| 23 23 23 00-0003 | LB | R-134A Refrigerant | 13.75 | |
| 23 23 23 00-0004 | LB | R-404A Refrigerant | 16.37 | |
| 23 23 23 00-0005 | LB | R-407C Refrigerant | 14.72 | |
| 23 23 23 00-0006 | LB | R-408A Refrigerant | 33.55 | |
| 23 23 23 00-0007 | LB | R-410A Refrigerant | 14.42 | |
| 23 23 23 00-0008 | LB | R-500 Refrigerant | 47.15 | |
| 23 23 23 00-0009 | LB | R-507 Refrigerant | 9.17 | |
| 23 23 23 00-0010 | LB | R-32 Refrigerant | 19.24 | |
| 23 23 23 00-0011 | LB | R-452A Refrigerant | 21.52 | |
| 23 23 23 00-0012 | LB | R-453A Refrigerant | 25.04 | |
| 23 23 23 00-0013 | LB | R-454A Refrigerant | 34.24 | |
| 23 23 23 00-0014 | LB | R-454B Refrigerant | 27.45 | |

# 23 25 HVAC Water Treatment *(23 20)*

## 23 25 13 Water Treatment for Closed-Loop Hydronic Systems *(23 25)*

| | | | | |
|---|---|---|---|---|
| **23 25 13 00-0001** | | **Polyethylene Chemical Storage Tanks** *(23 25 13)* | | |
| 23 25 13 00-0002 | EA | 15 Gallon Chemical Storage Tank, Polyethylene | 457.05 | 90.05 |
| **23 25 13 00-0003** | | **Gas Chlorinator** *(23 25 13)* | | |
| 23 25 13 00-0004 | EA | Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit | 1,169.55 | 409.69 |
| | | *For Booster Pump, Add* | *458.67* | |
| 23 25 13 00-0005 | EA | Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit | 1,336.21 | 468.22 |
| | | *For Booster Pump, Add* | *524.30* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 25 13 00-0006 | EA | Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit | 1,837.26 | 354.68 |
| | | *For Booster Pump, Add* | *640.31* | |

### 23 25 13 00-0007 Bypass Shot Feeders *(23 25 13)*

Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.

### 23 25 13 00-0008 In Line Mount, 125 PSIG *(23 25 13 00-0007)*

| | | | | |
|---|---|---|---|---|
| 23 25 13 00-0009 | EA | 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG | 1,070.63 | 305.21 |

### 23 25 13 00-0010 Floor Mount, 175 PSIG *(23 25 13 00-0007)*

| | | | | |
|---|---|---|---|---|
| 23 25 13 00-0011 | EA | 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG | 1,575.61 | 459.43 |
| 23 25 13 00-0012 | EA | 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG | 2,077.70 | 608.27 |

### 23 25 13 00-0013 Floor Mount, 150 Lb. ASME Code *(23 25 13 00-0007)*

| | | | | |
|---|---|---|---|---|
| 23 25 13 00-0014 | EA | 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code | 1,575.61 | 459.43 |
| 23 25 13 00-0015 | EA | 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code | 2,077.70 | 608.27 |

### 23 25 13 00-0016 Floor Mount, 300 Lb. ASME Code *(23 25 13 00-0007)*

| | | | | |
|---|---|---|---|---|
| 23 25 13 00-0017 | EA | 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code | 1,960.32 | 459.43 |
| 23 25 13 00-0018 | EA | 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code | 2,477.17 | 608.27 |

# 23 30 HVAC Air Distribution *(23)*

## 23 31 HVAC Ducts and Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 23 05 29 00-0001 for threaded rod.

### 23 31 13 Metal Ducts *(23 31)*

### 23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

### 23 31 13 13-0001 Steel Sheet Metal Duct *(23 31 13 13)*

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.

### 23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork And Sealant *(23 31 13 13-0001)*

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

| | | | | |
|---|---|---|---|---|
| 23 31 13 13-0003 | LB | Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork | 12.85 | 3.38 |
| | | *For Polyvinyl Chloride (PVC) Coated, Add* | *0.49* | |
| | | *For Up To 200, Add* | *4.59* | |
| | | *For >200 To 500, Add* | *2.93* | |
| | | *For >500 To 1,000, Add* | *1.97* | |
| | | *For >1,000 To 2,000, Add* | *1.10* | |
| | | *For >2,000 To 5,000, Add* | *0.49* | |
| | | *For Work In Restricted Working Space, Add* | *3.12* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.62* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.25* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.18* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.12* | |
| | | *For Elevated Installation >40', Add* | *3.43* | |
| 23 31 13 13-0004 | LB | Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork | 14.65 | 3.38 |
| | | *For Polyvinyl Chloride (PVC) Coated, Add* | *0.54* | |
| | | *For Up To 200, Add* | *5.21* | |
| | | *For >200 To 500, Add* | *3.31* | |
| | | *For >500 To 1,000, Add* | *2.24* | |
| | | *For >1,000 To 2,000, Add* | *1.25* | |
| | | *For >2,000 To 5,000, Add* | *0.56* | |
| | | *For Work In Restricted Working Space, Add* | *3.59* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.72* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.51* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.87* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.59* | |
| | | *For Elevated Installation >40', Add* | *3.94* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0005 | LB | Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork | 17.50 | 3.38 |
| | | *For Polyvinyl Chloride (PVC) Coated, Add* | *0.59* | |
| | | *For Up To 200, Add* | *6.14* | |
| | | *For >200 To 500, Add* | *3.89* | |
| | | *For >500 To 1,000, Add* | *2.66* | |
| | | *For >1,000 To 2,000, Add* | *1.49* | |
| | | *For >2,000 To 5,000, Add* | *0.67* | |
| | | *For Work In Restricted Working Space, Add* | *4.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.37* | |
| | | *For Elevated Installation >40', Add* | *4.80* | |
| 23 31 13 13-0006 | | Alloy 3003-H14, Aluminum Sheet Metal Ductwork *(23 31 13 13-0001)* | | |
| | | Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge – 0.901 LB/SF; 12 gauge – 0.141 LB/SF | | |
| 23 31 13 13-0007 | LB | Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork | 25.04 | 3.38 |
| | | *For Work In Restricted Working Space, Add* | *6.17* | |
| | | *For Up To 200, Add* | *8.86* | |
| | | *For >200 To 500, Add* | *5.63* | |
| | | *For >500 To 1,000, Add* | *3.82* | |
| | | *For >1,000 To 2,000, Add* | *2.14* | |
| | | *For >2,000 To 5,000, Add* | *0.96* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.08* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.17* | |
| | | *For Elevated Installation >40', Add* | *6.78* | |
| 23 31 13 13-0008 | LB | Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork | 28.37 | 3.38 |
| | | *For Work In Restricted Working Space, Add* | *7.09* | |
| | | *For Up To 200, Add* | *9.93* | |
| | | *For >200 To 500, Add* | *6.29* | |
| | | *For >500 To 1,000, Add* | *4.30* | |
| | | *For >1,000 To 2,000, Add* | *2.41* | |
| | | *For >2,000 To 5,000, Add* | *1.09* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.42* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.84* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.54* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.67* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.09* | |
| | | *For Elevated Installation >40', Add* | *7.80* | |
| 23 31 13 13-0009 | LB | Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork | 33.74 | 3.38 |
| | | *For Work In Restricted Working Space, Add* | *8.63* | |
| | | *For Up To 200, Add* | *11.62* | |
| | | *For >200 To 500, Add* | *7.32* | |
| | | *For >500 To 1,000, Add* | *5.07* | |
| | | *For >1,000 To 2,000, Add* | *2.85* | |
| | | *For >2,000 To 5,000, Add* | *1.30* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.31* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.63* | |
| | | *For Elevated Installation >40', Add* | *9.49* | |
| 23 31 13 13-0010 | | Type 304, Stainless Steel Sheet Metal Ductwork *(23 31 13 13-0001)* | | |
| | | Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge – 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge – 3.154 LB/SF; 12 gauge – 4.427 LB/SF | | |
| 23 31 13 13-0011 | LB | Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork | 18.65 | 4.50 |
| | | *For Work In Restricted Working Space, Add* | *3.79* | |
| | | *For Welded Seams, Add* | *6.62* | |
| | | *For Up To 200, Add* | *7.40* | |
| | | *For >200 To 500, Add* | *4.86* | |
| | | *For >500 To 1,000, Add* | *3.03* | |
| | | *For >1,000 To 2,000, Add* | *1.67* | |
| | | *For >2,000 To 5,000, Add* | *0.69* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.89* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.65* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.03* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.79* | |
| | | *For Elevated Installation >40', Add* | *4.17* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0012 | LB | Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork | 21.50 | 4.50 |
| | | *For Work In Restricted Working Space, Add* | *4.57* | |
| | | *For Welded Seams, Add* | *7.93* | |
| | | *For Up To 200, Add* | *8.33* | |
| | | *For >200 To 500, Add* | *5.44* | |
| | | *For >500 To 1,000, Add* | *3.45* | |
| | | *For >1,000 To 2,000, Add* | *1.91* | |
| | | *For >2,000 To 5,000, Add* | *0.80* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.57* | |
| | | *For Elevated Installation >40', Add* | *5.03* | |
| 23 31 13 13-0013 | LB | Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork | 24.18 | 4.50 |
| | | *For Work In Restricted Working Space, Add* | *5.30* | |
| | | *For Welded Seams, Add* | *9.16* | |
| | | *For Up To 200, Add* | *9.21* | |
| | | *For >200 To 500, Add* | *5.98* | |
| | | *For >500 To 1,000, Add* | *3.84* | |
| | | *For >1,000 To 2,000, Add* | *2.13* | |
| | | *For >2,000 To 5,000, Add* | *0.90* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.12* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.65* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.24* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.30* | |
| | | *For Elevated Installation >40', Add* | *5.83* | |

## 23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF *(23 31 13 13-0001)*

Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45-degree elbows; 3' for 90-degree elbows, transition, taper, register box; 4' for 45-degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90-degree reducing elbow, 135-degree angle gooseneck, boots; and 6' for transition/reducer.

## 23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

| | | | | |
|---|---|---|---|---|
| 23 31 13 13-0016 | LF | 4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 13.65 | 6.94 |
| | | *For Seal Class B, Add* | *1.74* | |
| | | *For Seal Class A, Add* | *3.71* | |
| | | *For Work In Restricted Working Space, Add* | *3.47* | |
| 23 31 13 13-0017 | LF | 4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 17.04 | 8.68 |
| | | *For Seal Class B, Add* | *2.17* | |
| | | *For Seal Class A, Add* | *4.63* | |
| | | *For Work In Restricted Working Space, Add* | *4.34* | |
| 23 31 13 13-0018 | LF | 4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 20.46 | 10.42 |
| | | *For Seal Class B, Add* | *2.60* | |
| | | *For Seal Class A, Add* | *5.56* | |
| | | *For Work In Restricted Working Space, Add* | *5.21* | |
| 23 31 13 13-0019 | LF | 4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 23.85 | 12.15 |
| | | *For Seal Class B, Add* | *3.04* | |
| | | *For Seal Class A, Add* | *6.48* | |
| | | *For Work In Restricted Working Space, Add* | *6.08* | |
| 23 31 13 13-0020 | LF | 4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 27.28 | 13.89 |
| | | *For Seal Class B, Add* | *3.47* | |
| | | *For Seal Class A, Add* | *7.41* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 31 13 13-0021 | LF | 4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 30.67 | 15.63 |
| | | *For Seal Class B, Add* | *3.91* | |
| | | *For Seal Class A, Add* | *8.33* | |
| | | *For Work In Restricted Working Space, Add* | *7.81* | |
| 23 31 13 13-0022 | LF | 4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 34.08 | 17.36 |
| | | *For Seal Class B, Add* | *4.34* | |
| | | *For Seal Class A, Add* | *9.26* | |
| | | *For Work In Restricted Working Space, Add* | *8.68* | |
| 23 31 13 13-0023 | LF | 6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 20.46 | 10.42 |
| | | *For Seal Class B, Add* | *2.60* | |
| | | *For Seal Class A, Add* | *5.56* | |
| | | *For Work In Restricted Working Space, Add* | *5.21* | |
| 23 31 13 13-0024 | LF | 6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 23.85 | 12.15 |
| | | *For Seal Class B, Add* | *3.04* | |
| | | *For Seal Class A, Add* | *6.48* | |
| | | *For Work In Restricted Working Space, Add* | *6.08* | |
| 23 31 13 13-0025 | LF | 6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 27.28 | 13.89 |
| | | *For Seal Class B, Add* | *3.47* | |
| | | *For Seal Class A, Add* | *7.41* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 31 13 13-0026 | LF | 6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 30.67 | 15.63 |
| | | *For Seal Class B, Add* | *3.91* | |
| | | *For Seal Class A, Add* | *8.33* | |
| | | *For Work In Restricted Working Space, Add* | *7.81* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0027 | LF | 6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 34.08 | 17.36 |
| | | *For Seal Class B, Add* | *4.34* | |
| | | *For Seal Class A, Add* | *9.26* | |
| | | *For Work In Restricted Working Space, Add* | *8.68* | |
| 23 31 13 13-0028 | LF | 6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 37.50 | 19.10 |
| | | *For Seal Class B, Add* | *4.77* | |
| | | *For Seal Class A, Add* | *10.19* | |
| | | *For Work In Restricted Working Space, Add* | *9.55* | |
| 23 31 13 13-0029 | LF | 8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 27.28 | 13.89 |
| | | *For Seal Class B, Add* | *3.47* | |
| | | *For Seal Class A, Add* | *7.41* | |
| | | *For Work In Restricted Working Space, Add* | *6.95* | |
| 23 31 13 13-0030 | LF | 8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 30.67 | 15.63 |
| | | *For Seal Class B, Add* | *3.91* | |
| | | *For Seal Class A, Add* | *8.33* | |
| | | *For Work In Restricted Working Space, Add* | *7.81* | |
| 23 31 13 13-0031 | LF | 8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 34.08 | 17.36 |
| | | *For Seal Class B, Add* | *4.34* | |
| | | *For Seal Class A, Add* | *9.26* | |
| | | *For Work In Restricted Working Space, Add* | *8.68* | |
| 23 31 13 13-0032 | LF | 8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 37.50 | 19.10 |
| | | *For Seal Class B, Add* | *4.77* | |
| | | *For Seal Class A, Add* | *10.19* | |
| | | *For Work In Restricted Working Space, Add* | *9.55* | |
| 23 31 13 13-0033 | LF | 8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 40.89 | 20.83 |
| | | *For Seal Class B, Add* | *5.21* | |
| | | *For Seal Class A, Add* | *11.11* | |
| | | *For Work In Restricted Working Space, Add* | *10.42* | |
| 23 31 13 13-0034 | LF | 8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 44.32 | 22.57 |
| | | *For Seal Class B, Add* | *5.64* | |
| | | *For Seal Class A, Add* | *12.04* | |
| | | *For Work In Restricted Working Space, Add* | *11.29* | |
| 23 31 13 13-0035 | LF | 8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 47.71 | 24.31 |
| | | *For Seal Class B, Add* | *6.08* | |
| | | *For Seal Class A, Add* | *12.96* | |
| | | *For Work In Restricted Working Space, Add* | *12.15* | |
| 23 31 13 13-0036 | LF | 8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 51.13 | 26.04 |
| | | *For Seal Class B, Add* | *6.51* | |
| | | *For Seal Class A, Add* | *13.89* | |
| | | *For Work In Restricted Working Space, Add* | *13.02* | |
| 23 31 13 13-0037 | LF | 8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 54.53 | 27.78 |
| | | *For Seal Class B, Add* | *6.94* | |
| | | *For Seal Class A, Add* | *14.81* | |
| | | *For Work In Restricted Working Space, Add* | *13.89* | |
| 23 31 13 13-0038 | LF | 10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 34.08 | 17.36 |
| | | *For Seal Class B, Add* | *4.34* | |
| | | *For Seal Class A, Add* | *9.26* | |
| | | *For Work In Restricted Working Space, Add* | *8.68* | |
| 23 31 13 13-0039 | LF | 10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 37.50 | 19.10 |
| | | *For Seal Class B, Add* | *4.77* | |
| | | *For Seal Class A, Add* | *10.19* | |
| | | *For Work In Restricted Working Space, Add* | *9.55* | |
| 23 31 13 13-0040 | LF | 10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 40.89 | 20.83 |
| | | *For Seal Class B, Add* | *5.21* | |
| | | *For Seal Class A, Add* | *11.11* | |
| | | *For Work In Restricted Working Space, Add* | *10.42* | |
| 23 31 13 13-0041 | LF | 10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 44.32 | 22.57 |
| | | *For Seal Class B, Add* | *5.64* | |
| | | *For Seal Class A, Add* | *12.04* | |
| | | *For Work In Restricted Working Space, Add* | *11.29* | |
| 23 31 13 13-0042 | LF | 10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 47.71 | 24.31 |
| | | *For Seal Class B, Add* | *6.08* | |
| | | *For Seal Class A, Add* | *12.96* | |
| | | *For Work In Restricted Working Space, Add* | *12.15* | |
| 23 31 13 13-0043 | LF | 10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 51.13 | 26.04 |
| | | *For Seal Class B, Add* | *6.51* | |
| | | *For Seal Class A, Add* | *13.89* | |
| | | *For Work In Restricted Working Space, Add* | *13.02* | |
| 23 31 13 13-0044 | LF | 10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 54.53 | 27.78 |
| | | *For Seal Class B, Add* | *6.94* | |
| | | *For Seal Class A, Add* | *14.81* | |
| | | *For Work In Restricted Working Space, Add* | *13.89* | |
| 23 31 13 13-0045 | LF | 10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 57.95 | 29.51 |
| | | *For Seal Class B, Add* | *7.38* | |
| | | *For Seal Class A, Add* | *15.74* | |
| | | *For Work In Restricted Working Space, Add* | *14.76* | |
| 23 31 13 13-0046 | LF | 12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 40.89 | 20.83 |
| | | *For Seal Class B, Add* | *5.21* | |
| | | *For Seal Class A, Add* | *11.11* | |
| | | *For Work In Restricted Working Space, Add* | *10.42* | |
| 23 31 13 13-0047 | LF | 12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 44.32 | 22.57 |
| | | *For Seal Class B, Add* | *5.64* | |
| | | *For Seal Class A, Add* | *12.04* | |
| | | *For Work In Restricted Working Space, Add* | *11.29* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0048 | LF | 12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 47.71 | 24.31 |
| | | *For Seal Class B, Add* | *6.08* | |
| | | *For Seal Class A, Add* | *12.96* | |
| | | *For Work In Restricted Working Space, Add* | *12.15* | |
| 23 31 13 13-0049 | LF | 12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 51.13 | 26.04 |
| | | *For Seal Class B, Add* | *6.51* | |
| | | *For Seal Class A, Add* | *13.89* | |
| | | *For Work In Restricted Working Space, Add* | *13.02* | |
| 23 31 13 13-0050 | LF | 12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 54.53 | 27.78 |
| | | *For Seal Class B, Add* | *6.94* | |
| | | *For Seal Class A, Add* | *14.81* | |
| | | *For Work In Restricted Working Space, Add* | *13.89* | |
| 23 31 13 13-0051 | LF | 12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 57.95 | 29.51 |
| | | *For Seal Class B, Add* | *7.38* | |
| | | *For Seal Class A, Add* | *15.74* | |
| | | *For Work In Restricted Working Space, Add* | *14.76* | |
| 23 31 13 13-0052 | LF | 12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 61.36 | 31.25 |
| | | *For Seal Class B, Add* | *7.81* | |
| | | *For Seal Class A, Add* | *16.67* | |
| | | *For Work In Restricted Working Space, Add* | *15.63* | |
| 23 31 13 13-0053 | LF | 14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 47.71 | 24.31 |
| | | *For Seal Class B, Add* | *6.08* | |
| | | *For Seal Class A, Add* | *12.96* | |
| | | *For Work In Restricted Working Space, Add* | *12.15* | |
| 23 31 13 13-0054 | LF | 14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 51.13 | 26.04 |
| | | *For Seal Class B, Add* | *6.51* | |
| | | *For Seal Class A, Add* | *13.89* | |
| | | *For Work In Restricted Working Space, Add* | *13.02* | |
| 23 31 13 13-0055 | LF | 14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 54.53 | 27.78 |
| | | *For Seal Class B, Add* | *6.94* | |
| | | *For Seal Class A, Add* | *14.81* | |
| | | *For Work In Restricted Working Space, Add* | *13.89* | |
| 23 31 13 13-0056 | LF | 14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 57.95 | 29.51 |
| | | *For Seal Class B, Add* | *7.38* | |
| | | *For Seal Class A, Add* | *15.74* | |
| | | *For Work In Restricted Working Space, Add* | *14.76* | |
| 23 31 13 13-0057 | LF | 14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 61.36 | 31.25 |
| | | *For Seal Class B, Add* | *7.81* | |
| | | *For Seal Class A, Add* | *16.67* | |
| | | *For Work In Restricted Working Space, Add* | *15.63* | |
| 23 31 13 13-0058 | LF | 14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 64.78 | 32.99 |
| | | *For Seal Class B, Add* | *8.25* | |
| | | *For Seal Class A, Add* | *17.59* | |
| | | *For Work In Restricted Working Space, Add* | *16.49* | |
| 23 31 13 13-0059 | LF | 16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 54.53 | 27.78 |
| | | *For Seal Class B, Add* | *6.94* | |
| | | *For Seal Class A, Add* | *14.81* | |
| | | *For Work In Restricted Working Space, Add* | *13.89* | |
| 23 31 13 13-0060 | LF | 16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 57.95 | 29.51 |
| | | *For Seal Class B, Add* | *7.38* | |
| | | *For Seal Class A, Add* | *15.74* | |
| | | *For Work In Restricted Working Space, Add* | *14.76* | |
| 23 31 13 13-0061 | LF | 16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 61.36 | 31.25 |
| | | *For Seal Class B, Add* | *7.81* | |
| | | *For Seal Class A, Add* | *16.67* | |
| | | *For Work In Restricted Working Space, Add* | *15.63* | |
| 23 31 13 13-0062 | LF | 16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 64.78 | 32.99 |
| | | *For Seal Class B, Add* | *8.25* | |
| | | *For Seal Class A, Add* | *17.59* | |
| | | *For Work In Restricted Working Space, Add* | *16.49* | |
| 23 31 13 13-0063 | LF | 16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 68.17 | 34.72 |
| | | *For Seal Class B, Add* | *8.68* | |
| | | *For Seal Class A, Add* | *18.52* | |
| | | *For Work In Restricted Working Space, Add* | *17.36* | |
| 23 31 13 13-0064 | LF | 18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 61.36 | 31.25 |
| | | *For Seal Class B, Add* | *7.81* | |
| | | *For Seal Class A, Add* | *16.67* | |
| | | *For Work In Restricted Working Space, Add* | *15.63* | |
| 23 31 13 13-0065 | LF | 18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 64.78 | 32.99 |
| | | *For Seal Class B, Add* | *8.25* | |
| | | *For Seal Class A, Add* | *17.59* | |
| | | *For Work In Restricted Working Space, Add* | *16.49* | |
| 23 31 13 13-0066 | LF | 18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 68.17 | 34.72 |
| | | *For Seal Class B, Add* | *8.68* | |
| | | *For Seal Class A, Add* | *18.52* | |
| | | *For Work In Restricted Working Space, Add* | *17.36* | |
| 23 31 13 13-0067 | LF | 18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 71.55 | 36.46 |
| | | *For Seal Class B, Add* | *9.11* | |
| | | *For Seal Class A, Add* | *19.44* | |
| | | *For Work In Restricted Working Space, Add* | *18.23* | |
| 23 31 13 13-0068 | LF | 20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 68.17 | 34.72 |
| | | *For Seal Class B, Add* | *8.68* | |
| | | *For Seal Class A, Add* | *18.52* | |
| | | *For Work In Restricted Working Space, Add* | *17.36* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0069 | LF | 20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 71.55 | 36.46 |
| | | *For Seal Class B, Add* | *9.11* | |
| | | *For Seal Class A, Add* | *19.44* | |
| | | *For Work In Restricted Working Space, Add* | *18.23* | |
| 23 31 13 13-0070 | LF | 20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 74.97 | 38.19 |
| | | *For Seal Class B, Add* | *9.55* | |
| | | *For Seal Class A, Add* | *20.36* | |
| | | *For Work In Restricted Working Space, Add* | *19.09* | |
| 23 31 13 13-0071 | LF | 22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 74.97 | 38.19 |
| | | *For Seal Class B, Add* | *9.55* | |
| | | *For Seal Class A, Add* | *20.36* | |
| | | *For Work In Restricted Working Space, Add* | *19.09* | |
| 23 31 13 13-0072 | LF | 22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 78.38 | 39.93 |
| | | *For Seal Class B, Add* | *9.98* | |
| | | *For Seal Class A, Add* | *21.29* | |
| | | *For Work In Restricted Working Space, Add* | *19.96* | |
| 23 31 13 13-0073 | LF | 24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 81.81 | 41.67 |
| | | *For Seal Class B, Add* | *10.42* | |
| | | *For Seal Class A, Add* | *22.22* | |
| | | *For Work In Restricted Working Space, Add* | *20.83* | |

### 23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

| | | | | |
|---|---|---|---|---|
| 23 31 13 13-0075 | LF | 4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 16.22 | 8.27 |
| | | *For Seal Class B, Add* | *2.07* | |
| | | *For Seal Class A, Add* | *4.41* | |
| | | *For Work In Restricted Working Space, Add* | *4.13* | |
| 23 31 13 13-0076 | LF | 4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 20.29 | 10.33 |
| | | *For Seal Class B, Add* | *2.58* | |
| | | *For Seal Class A, Add* | *5.51* | |
| | | *For Work In Restricted Working Space, Add* | *5.17* | |
| 23 31 13 13-0077 | LF | 4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 24.35 | 12.39 |
| | | *For Seal Class B, Add* | *3.10* | |
| | | *For Seal Class A, Add* | *6.61* | |
| | | *For Work In Restricted Working Space, Add* | *6.20* | |
| 23 31 13 13-0078 | LF | 4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 28.39 | 14.47 |
| | | *For Seal Class B, Add* | *3.62* | |
| | | *For Seal Class A, Add* | *7.72* | |
| | | *For Work In Restricted Working Space, Add* | *7.23* | |
| 23 31 13 13-0079 | LF | 4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 32.46 | 16.54 |
| | | *For Seal Class B, Add* | *4.13* | |
| | | *For Seal Class A, Add* | *8.82* | |
| | | *For Work In Restricted Working Space, Add* | *8.27* | |
| 23 31 13 13-0080 | LF | 4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 36.52 | 18.60 |
| | | *For Seal Class B, Add* | *4.65* | |
| | | *For Seal Class A, Add* | *9.92* | |
| | | *For Work In Restricted Working Space, Add* | *9.30* | |
| 23 31 13 13-0081 | LF | 4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 40.57 | 20.67 |
| | | *For Seal Class B, Add* | *5.17* | |
| | | *For Seal Class A, Add* | *11.02* | |
| | | *For Work In Restricted Working Space, Add* | *10.34* | |
| 23 31 13 13-0082 | LF | 6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 24.35 | 12.39 |
| | | *For Seal Class B, Add* | *3.10* | |
| | | *For Seal Class A, Add* | *6.61* | |
| | | *For Work In Restricted Working Space, Add* | *6.20* | |
| 23 31 13 13-0083 | LF | 6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 28.39 | 14.47 |
| | | *For Seal Class B, Add* | *3.62* | |
| | | *For Seal Class A, Add* | *7.72* | |
| | | *For Work In Restricted Working Space, Add* | *7.23* | |
| 23 31 13 13-0084 | LF | 6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 32.46 | 16.54 |
| | | *For Seal Class B, Add* | *4.13* | |
| | | *For Seal Class A, Add* | *8.82* | |
| | | *For Work In Restricted Working Space, Add* | *8.27* | |
| 23 31 13 13-0085 | LF | 6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 36.52 | 18.60 |
| | | *For Seal Class B, Add* | *4.65* | |
| | | *For Seal Class A, Add* | *9.92* | |
| | | *For Work In Restricted Working Space, Add* | *9.30* | |
| 23 31 13 13-0086 | LF | 6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 40.57 | 20.67 |
| | | *For Seal Class B, Add* | *5.17* | |
| | | *For Seal Class A, Add* | *11.02* | |
| | | *For Work In Restricted Working Space, Add* | *10.34* | |
| 23 31 13 13-0087 | LF | 6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 44.65 | 22.74 |
| | | *For Seal Class B, Add* | *5.69* | |
| | | *For Seal Class A, Add* | *12.13* | |
| | | *For Work In Restricted Working Space, Add* | *11.37* | |
| 23 31 13 13-0088 | LF | 8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 32.46 | 16.54 |
| | | *For Seal Class B, Add* | *4.13* | |
| | | *For Seal Class A, Add* | *8.82* | |
| | | *For Work In Restricted Working Space, Add* | *8.27* | |
| 23 31 13 13-0089 | LF | 8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 36.52 | 18.60 |
| | | *For Seal Class B, Add* | *4.65* | |
| | | *For Seal Class A, Add* | *9.92* | |
| | | *For Work In Restricted Working Space, Add* | *9.30* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0090 | LF | 8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 40.57 | 20.67 |
| | | *For Seal Class B, Add* | *5.17* | |
| | | *For Seal Class A, Add* | *11.02* | |
| | | *For Work In Restricted Working Space, Add* | *10.34* | |
| 23 31 13 13-0091 | LF | 8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 44.65 | 22.74 |
| | | *For Seal Class B, Add* | *5.69* | |
| | | *For Seal Class A, Add* | *12.13* | |
| | | *For Work In Restricted Working Space, Add* | *11.37* | |
| 23 31 13 13-0092 | LF | 8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 48.68 | 24.80 |
| | | *For Seal Class B, Add* | *6.20* | |
| | | *For Seal Class A, Add* | *13.23* | |
| | | *For Work In Restricted Working Space, Add* | *12.40* | |
| 23 31 13 13-0093 | LF | 8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 52.74 | 26.86 |
| | | *For Seal Class B, Add* | *6.72* | |
| | | *For Seal Class A, Add* | *14.33* | |
| | | *For Work In Restricted Working Space, Add* | *13.43* | |
| 23 31 13 13-0094 | LF | 8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 56.82 | 28.94 |
| | | *For Seal Class B, Add* | *7.23* | |
| | | *For Seal Class A, Add* | *15.43* | |
| | | *For Work In Restricted Working Space, Add* | *14.47* | |
| 23 31 13 13-0095 | LF | 8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 60.85 | 31.00 |
| | | *For Seal Class B, Add* | *7.75* | |
| | | *For Seal Class A, Add* | *16.53* | |
| | | *For Work In Restricted Working Space, Add* | *15.50* | |
| 23 31 13 13-0096 | LF | 8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 64.93 | 33.07 |
| | | *For Seal Class B, Add* | *8.27* | |
| | | *For Seal Class A, Add* | *17.64* | |
| | | *For Work In Restricted Working Space, Add* | *16.53* | |
| 23 31 13 13-0097 | LF | 10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 40.57 | 20.67 |
| | | *For Seal Class B, Add* | *5.17* | |
| | | *For Seal Class A, Add* | *11.02* | |
| | | *For Work In Restricted Working Space, Add* | *10.34* | |
| 23 31 13 13-0098 | LF | 10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 44.65 | 22.74 |
| | | *For Seal Class B, Add* | *5.69* | |
| | | *For Seal Class A, Add* | *12.13* | |
| | | *For Work In Restricted Working Space, Add* | *11.37* | |
| 23 31 13 13-0099 | LF | 10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 48.68 | 24.80 |
| | | *For Seal Class B, Add* | *6.20* | |
| | | *For Seal Class A, Add* | *13.23* | |
| | | *For Work In Restricted Working Space, Add* | *12.40* | |
| 23 31 13 13-0100 | LF | 10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 52.74 | 26.86 |
| | | *For Seal Class B, Add* | *6.72* | |
| | | *For Seal Class A, Add* | *14.33* | |
| | | *For Work In Restricted Working Space, Add* | *13.43* | |
| 23 31 13 13-0101 | LF | 10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 56.82 | 28.94 |
| | | *For Seal Class B, Add* | *7.23* | |
| | | *For Seal Class A, Add* | *15.43* | |
| | | *For Work In Restricted Working Space, Add* | *14.47* | |
| 23 31 13 13-0102 | LF | 10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 60.85 | 31.00 |
| | | *For Seal Class B, Add* | *7.75* | |
| | | *For Seal Class A, Add* | *16.53* | |
| | | *For Work In Restricted Working Space, Add* | *15.50* | |
| 23 31 13 13-0103 | LF | 10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 64.93 | 33.07 |
| | | *For Seal Class B, Add* | *8.27* | |
| | | *For Seal Class A, Add* | *17.64* | |
| | | *For Work In Restricted Working Space, Add* | *16.53* | |
| 23 31 13 13-0104 | LF | 10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 69.00 | 35.14 |
| | | *For Seal Class B, Add* | *8.79* | |
| | | *For Seal Class A, Add* | *18.74* | |
| | | *For Work In Restricted Working Space, Add* | *17.57* | |
| 23 31 13 13-0105 | LF | 12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 48.68 | 24.80 |
| | | *For Seal Class B, Add* | *6.20* | |
| | | *For Seal Class A, Add* | *13.23* | |
| | | *For Work In Restricted Working Space, Add* | *12.40* | |
| 23 31 13 13-0106 | LF | 12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 52.74 | 26.86 |
| | | *For Seal Class B, Add* | *6.72* | |
| | | *For Seal Class A, Add* | *14.33* | |
| | | *For Work In Restricted Working Space, Add* | *13.43* | |
| 23 31 13 13-0107 | LF | 12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 56.82 | 28.94 |
| | | *For Seal Class B, Add* | *7.23* | |
| | | *For Seal Class A, Add* | *15.43* | |
| | | *For Work In Restricted Working Space, Add* | *14.47* | |
| 23 31 13 13-0108 | LF | 12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 60.85 | 31.00 |
| | | *For Seal Class B, Add* | *7.75* | |
| | | *For Seal Class A, Add* | *16.53* | |
| | | *For Work In Restricted Working Space, Add* | *15.50* | |
| 23 31 13 13-0109 | LF | 12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 64.93 | 33.07 |
| | | *For Seal Class B, Add* | *8.27* | |
| | | *For Seal Class A, Add* | *17.64* | |
| | | *For Work In Restricted Working Space, Add* | *16.53* | |
| 23 31 13 13-0110 | LF | 12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 69.00 | 35.14 |
| | | *For Seal Class B, Add* | *8.79* | |
| | | *For Seal Class A, Add* | *18.74* | |
| | | *For Work In Restricted Working Space, Add* | *17.57* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0111 | LF | 12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 73.03 | 37.19 |
| | | *For Seal Class B, Add* | *9.30* | |
| | | *For Seal Class A, Add* | *19.84* | |
| | | *For Work In Restricted Working Space, Add* | *18.60* | |
| 23 31 13 13-0112 | LF | 14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 56.82 | 28.94 |
| | | *For Seal Class B, Add* | *7.23* | |
| | | *For Seal Class A, Add* | *15.43* | |
| | | *For Work In Restricted Working Space, Add* | *14.47* | |
| 23 31 13 13-0113 | LF | 14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 60.85 | 31.00 |
| | | *For Seal Class B, Add* | *7.75* | |
| | | *For Seal Class A, Add* | *16.53* | |
| | | *For Work In Restricted Working Space, Add* | *15.50* | |
| 23 31 13 13-0114 | LF | 14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 64.93 | 33.07 |
| | | *For Seal Class B, Add* | *8.27* | |
| | | *For Seal Class A, Add* | *17.64* | |
| | | *For Work In Restricted Working Space, Add* | *16.53* | |
| 23 31 13 13-0115 | LF | 14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 69.00 | 35.14 |
| | | *For Seal Class B, Add* | *8.79* | |
| | | *For Seal Class A, Add* | *18.74* | |
| | | *For Work In Restricted Working Space, Add* | *17.57* | |
| 23 31 13 13-0116 | LF | 14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 73.03 | 37.19 |
| | | *For Seal Class B, Add* | *9.30* | |
| | | *For Seal Class A, Add* | *19.84* | |
| | | *For Work In Restricted Working Space, Add* | *18.60* | |
| 23 31 13 13-0117 | LF | 14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 77.11 | 39.27 |
| | | *For Seal Class B, Add* | *9.82* | |
| | | *For Seal Class A, Add* | *20.94* | |
| | | *For Work In Restricted Working Space, Add* | *19.64* | |
| 23 31 13 13-0118 | LF | 16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 64.93 | 33.07 |
| | | *For Seal Class B, Add* | *8.27* | |
| | | *For Seal Class A, Add* | *17.64* | |
| | | *For Work In Restricted Working Space, Add* | *16.53* | |
| 23 31 13 13-0119 | LF | 16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 69.00 | 35.14 |
| | | *For Seal Class B, Add* | *8.79* | |
| | | *For Seal Class A, Add* | *18.74* | |
| | | *For Work In Restricted Working Space, Add* | *17.57* | |
| 23 31 13 13-0120 | LF | 16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 73.03 | 37.19 |
| | | *For Seal Class B, Add* | *9.30* | |
| | | *For Seal Class A, Add* | *19.84* | |
| | | *For Work In Restricted Working Space, Add* | *18.60* | |
| 23 31 13 13-0121 | LF | 16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 77.11 | 39.27 |
| | | *For Seal Class B, Add* | *9.82* | |
| | | *For Seal Class A, Add* | *20.94* | |
| | | *For Work In Restricted Working Space, Add* | *19.64* | |
| 23 31 13 13-0122 | LF | 16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 81.16 | 41.33 |
| | | *For Seal Class B, Add* | *10.33* | |
| | | *For Seal Class A, Add* | *22.04* | |
| | | *For Work In Restricted Working Space, Add* | *20.67* | |
| 23 31 13 13-0123 | LF | 18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 73.03 | 37.19 |
| | | *For Seal Class B, Add* | *9.30* | |
| | | *For Seal Class A, Add* | *19.84* | |
| | | *For Work In Restricted Working Space, Add* | *18.60* | |
| 23 31 13 13-0124 | LF | 18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 77.11 | 39.27 |
| | | *For Seal Class B, Add* | *9.82* | |
| | | *For Seal Class A, Add* | *20.94* | |
| | | *For Work In Restricted Working Space, Add* | *19.64* | |
| 23 31 13 13-0125 | LF | 18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 81.16 | 41.33 |
| | | *For Seal Class B, Add* | *10.33* | |
| | | *For Seal Class A, Add* | *22.04* | |
| | | *For Work In Restricted Working Space, Add* | *20.67* | |
| 23 31 13 13-0126 | LF | 18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 85.20 | 43.41 |
| | | *For Seal Class B, Add* | *10.85* | |
| | | *For Seal Class A, Add* | *23.15* | |
| | | *For Work In Restricted Working Space, Add* | *21.70* | |
| 23 31 13 13-0127 | LF | 20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 81.16 | 41.33 |
| | | *For Seal Class B, Add* | *10.33* | |
| | | *For Seal Class A, Add* | *22.04* | |
| | | *For Work In Restricted Working Space, Add* | *20.67* | |
| 23 31 13 13-0128 | LF | 20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 85.20 | 43.41 |
| | | *For Seal Class B, Add* | *10.85* | |
| | | *For Seal Class A, Add* | *23.15* | |
| | | *For Work In Restricted Working Space, Add* | *21.70* | |
| 23 31 13 13-0129 | LF | 20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 89.28 | 45.47 |
| | | *For Seal Class B, Add* | *11.37* | |
| | | *For Seal Class A, Add* | *24.25* | |
| | | *For Work In Restricted Working Space, Add* | *22.73* | |
| 23 31 13 13-0130 | LF | 22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 89.28 | 45.47 |
| | | *For Seal Class B, Add* | *11.37* | |
| | | *For Seal Class A, Add* | *24.25* | |
| | | *For Work In Restricted Working Space, Add* | *22.73* | |
| 23 31 13 13-0131 | LF | 22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 93.32 | 47.54 |
| | | *For Seal Class B, Add* | *11.88* | |
| | | *For Seal Class A, Add* | *25.35* | |
| | | *For Work In Restricted Working Space, Add* | *23.77* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0132 | LF | 24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 97.39 | 49.61 |
| | | *For Seal Class B, Add* | *12.40* | |
| | | *For Seal Class A, Add* | *26.46* | |
| | | *For Work In Restricted Working Space, Add* | *24.80* | |

## 23 31 13 13-0133 26 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

| | | | | |
|---|---|---|---|---|
| 23 31 13 13-0134 | LF | 4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 18.83 | 9.58 |
| | | *For Seal Class B, Add* | *2.40* | |
| | | *For Seal Class A, Add* | *5.12* | |
| | | *For Work In Restricted Working Space, Add* | *4.80* | |
| 23 31 13 13-0135 | LF | 4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 23.54 | 11.98 |
| | | *For Seal Class B, Add* | *3.00* | |
| | | *For Seal Class A, Add* | *6.39* | |
| | | *For Work In Restricted Working Space, Add* | *5.99* | |
| 23 31 13 13-0136 | LF | 4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 28.24 | 14.39 |
| | | *For Seal Class B, Add* | *3.60* | |
| | | *For Seal Class A, Add* | *7.67* | |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 31 13 13-0137 | LF | 4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 32.95 | 16.79 |
| | | *For Seal Class B, Add* | *4.20* | |
| | | *For Seal Class A, Add* | *8.95* | |
| | | *For Work In Restricted Working Space, Add* | *8.39* | |
| 23 31 13 13-0138 | LF | 4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 37.65 | 19.19 |
| | | *For Seal Class B, Add* | *4.79* | |
| | | *For Seal Class A, Add* | *10.23* | |
| | | *For Work In Restricted Working Space, Add* | *9.59* | |
| 23 31 13 13-0139 | LF | 4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 42.36 | 21.58 |
| | | *For Seal Class B, Add* | *5.39* | |
| | | *For Seal Class A, Add* | *11.51* | |
| | | *For Work In Restricted Working Space, Add* | *10.79* | |
| 23 31 13 13-0140 | LF | 4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 47.06 | 23.97 |
| | | *For Seal Class B, Add* | *5.99* | |
| | | *For Seal Class A, Add* | *12.79* | |
| | | *For Work In Restricted Working Space, Add* | *11.99* | |
| 23 31 13 13-0141 | LF | 6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 28.24 | 14.39 |
| | | *For Seal Class B, Add* | *3.60* | |
| | | *For Seal Class A, Add* | *7.67* | |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 23 31 13 13-0142 | LF | 6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 32.95 | 16.79 |
| | | *For Seal Class B, Add* | *4.20* | |
| | | *For Seal Class A, Add* | *8.95* | |
| | | *For Work In Restricted Working Space, Add* | *8.39* | |
| 23 31 13 13-0143 | LF | 6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 37.65 | 19.19 |
| | | *For Seal Class B, Add* | *4.79* | |
| | | *For Seal Class A, Add* | *10.23* | |
| | | *For Work In Restricted Working Space, Add* | *9.59* | |
| 23 31 13 13-0144 | LF | 6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 42.36 | 21.58 |
| | | *For Seal Class B, Add* | *5.39* | |
| | | *For Seal Class A, Add* | *11.51* | |
| | | *For Work In Restricted Working Space, Add* | *10.79* | |
| 23 31 13 13-0145 | LF | 6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 47.06 | 23.97 |
| | | *For Seal Class B, Add* | *5.99* | |
| | | *For Seal Class A, Add* | *12.79* | |
| | | *For Work In Restricted Working Space, Add* | *11.99* | |
| 23 31 13 13-0146 | LF | 6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 51.78 | 26.37 |
| | | *For Seal Class B, Add* | *6.59* | |
| | | *For Seal Class A, Add* | *14.06* | |
| | | *For Work In Restricted Working Space, Add* | *13.19* | |
| 23 31 13 13-0147 | LF | 8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 37.65 | 19.19 |
| | | *For Seal Class B, Add* | *4.79* | |
| | | *For Seal Class A, Add* | *10.23* | |
| | | *For Work In Restricted Working Space, Add* | *9.59* | |
| 23 31 13 13-0148 | LF | 8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 42.36 | 21.58 |
| | | *For Seal Class B, Add* | *5.39* | |
| | | *For Seal Class A, Add* | *11.51* | |
| | | *For Work In Restricted Working Space, Add* | *10.79* | |
| 23 31 13 13-0149 | LF | 8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 47.07 | 23.97 |
| | | *For Seal Class B, Add* | *5.99* | |
| | | *For Seal Class A, Add* | *12.79* | |
| | | *For Work In Restricted Working Space, Add* | *11.99* | |
| 23 31 13 13-0150 | LF | 8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 51.78 | 26.37 |
| | | *For Seal Class B, Add* | *6.59* | |
| | | *For Seal Class A, Add* | *14.06* | |
| | | *For Work In Restricted Working Space, Add* | *13.19* | |
| 23 31 13 13-0151 | LF | 8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 56.50 | 28.77 |
| | | *For Seal Class B, Add* | *7.19* | |
| | | *For Seal Class A, Add* | *15.35* | |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 23 31 13 13-0152 | LF | 8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 61.19 | 31.17 |
| | | *For Seal Class B, Add* | *7.79* | |
| | | *For Seal Class A, Add* | *16.62* | |
| | | *For Work In Restricted Working Space, Add* | *15.59* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0153 | LF | 8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 65.90 | 33.57 |
| | | *For Seal Class B, Add* | *8.39* | |
| | | *For Seal Class A, Add* | *17.90* | |
| | | *For Work In Restricted Working Space, Add* | *16.79* | |
| 23 31 13 13-0154 | LF | 8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 70.62 | 35.96 |
| | | *For Seal Class B, Add* | *8.99* | |
| | | *For Seal Class A, Add* | *19.18* | |
| | | *For Work In Restricted Working Space, Add* | *17.98* | |
| 23 31 13 13-0155 | LF | 8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 75.31 | 38.35 |
| | | *For Seal Class B, Add* | *9.59* | |
| | | *For Seal Class A, Add* | *20.46* | |
| | | *For Work In Restricted Working Space, Add* | *19.18* | |
| 23 31 13 13-0156 | LF | 10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 47.07 | 23.97 |
| | | *For Seal Class B, Add* | *5.99* | |
| | | *For Seal Class A, Add* | *12.79* | |
| | | *For Work In Restricted Working Space, Add* | *11.99* | |
| 23 31 13 13-0157 | LF | 10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 51.77 | 26.37 |
| | | *For Seal Class B, Add* | *6.59* | |
| | | *For Seal Class A, Add* | *14.06* | |
| | | *For Work In Restricted Working Space, Add* | *13.19* | |
| 23 31 13 13-0158 | LF | 10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 56.50 | 28.77 |
| | | *For Seal Class B, Add* | *7.19* | |
| | | *For Seal Class A, Add* | *15.35* | |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 23 31 13 13-0159 | LF | 10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 61.19 | 31.17 |
| | | *For Seal Class B, Add* | *7.79* | |
| | | *For Seal Class A, Add* | *16.62* | |
| | | *For Work In Restricted Working Space, Add* | *15.59* | |
| 23 31 13 13-0160 | LF | 10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 65.90 | 33.57 |
| | | *For Seal Class B, Add* | *8.39* | |
| | | *For Seal Class A, Add* | *17.90* | |
| | | *For Work In Restricted Working Space, Add* | *16.79* | |
| 23 31 13 13-0161 | LF | 10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 70.62 | 35.96 |
| | | *For Seal Class B, Add* | *8.99* | |
| | | *For Seal Class A, Add* | *19.18* | |
| | | *For Work In Restricted Working Space, Add* | *17.98* | |
| 23 31 13 13-0162 | LF | 10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 75.31 | 38.35 |
| | | *For Seal Class B, Add* | *9.59* | |
| | | *For Seal Class A, Add* | *20.46* | |
| | | *For Work In Restricted Working Space, Add* | *19.18* | |
| 23 31 13 13-0163 | LF | 10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 80.03 | 40.76 |
| | | *For Seal Class B, Add* | *10.19* | |
| | | *For Seal Class A, Add* | *21.74* | |
| | | *For Work In Restricted Working Space, Add* | *20.38* | |
| 23 31 13 13-0164 | LF | 12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 56.49 | 28.77 |
| | | *For Seal Class B, Add* | *7.19* | |
| | | *For Seal Class A, Add* | *15.35* | |
| | | *For Work In Restricted Working Space, Add* | *14.39* | |
| 23 31 13 13-0165 | LF | 12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 61.19 | 31.17 |
| | | *For Seal Class B, Add* | *7.79* | |
| | | *For Seal Class A, Add* | *16.62* | |
| | | *For Work In Restricted Working Space, Add* | *15.59* | |
| 23 31 13 13-0166 | LF | 12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 65.90 | 33.57 |
| | | *For Seal Class B, Add* | *8.39* | |
| | | *For Seal Class A, Add* | *17.90* | |
| | | *For Work In Restricted Working Space, Add* | *16.79* | |
| 23 31 13 13-0167 | LF | 12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 70.62 | 35.96 |
| | | *For Seal Class B, Add* | *8.99* | |
| | | *For Seal Class A, Add* | *19.18* | |
| | | *For Work In Restricted Working Space, Add* | *17.98* | |
| 23 31 13 13-0168 | LF | 12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 75.31 | 38.35 |
| | | *For Seal Class B, Add* | *9.59* | |
| | | *For Seal Class A, Add* | *20.46* | |
| | | *For Work In Restricted Working Space, Add* | *19.18* | |
| 23 31 13 13-0169 | LF | 12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 80.03 | 40.76 |
| | | *For Seal Class B, Add* | *10.19* | |
| | | *For Seal Class A, Add* | *21.74* | |
| | | *For Work In Restricted Working Space, Add* | *20.38* | |
| 23 31 13 13-0170 | LF | 12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 84.72 | 43.16 |
| | | *For Seal Class B, Add* | *10.79* | |
| | | *For Seal Class A, Add* | *23.02* | |
| | | *For Work In Restricted Working Space, Add* | *21.58* | |
| 23 31 13 13-0171 | LF | 14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 65.90 | 33.57 |
| | | *For Seal Class B, Add* | *8.39* | |
| | | *For Seal Class A, Add* | *17.90* | |
| | | *For Work In Restricted Working Space, Add* | *16.79* | |
| 23 31 13 13-0172 | LF | 14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 70.62 | 35.96 |
| | | *For Seal Class B, Add* | *8.99* | |
| | | *For Seal Class A, Add* | *19.18* | |
| | | *For Work In Restricted Working Space, Add* | *17.98* | |
| 23 31 13 13-0173 | LF | 14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 75.31 | 38.35 |
| | | *For Seal Class B, Add* | *9.59* | |
| | | *For Seal Class A, Add* | *20.46* | |
| | | *For Work In Restricted Working Space, Add* | *19.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0174 | LF | 14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 80.03 | 40.76 |
| | | *For Seal Class B, Add* | *10.19* | |
| | | *For Seal Class A, Add* | *21.74* | |
| | | *For Work In Restricted Working Space, Add* | *20.38* | |
| 23 31 13 13-0175 | LF | 14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 84.72 | 43.16 |
| | | *For Seal Class B, Add* | *10.79* | |
| | | *For Seal Class A, Add* | *23.02* | |
| | | *For Work In Restricted Working Space, Add* | *21.58* | |
| 23 31 13 13-0176 | LF | 14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 89.45 | 45.56 |
| | | *For Seal Class B, Add* | *11.39* | |
| | | *For Seal Class A, Add* | *24.30* | |
| | | *For Work In Restricted Working Space, Add* | *22.78* | |
| 23 31 13 13-0177 | LF | 16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 75.31 | 38.35 |
| | | *For Seal Class B, Add* | *9.59* | |
| | | *For Seal Class A, Add* | *20.46* | |
| | | *For Work In Restricted Working Space, Add* | *19.18* | |
| 23 31 13 13-0178 | LF | 16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 80.03 | 40.76 |
| | | *For Seal Class B, Add* | *10.19* | |
| | | *For Seal Class A, Add* | *21.74* | |
| | | *For Work In Restricted Working Space, Add* | *20.38* | |
| 23 31 13 13-0179 | LF | 16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 84.72 | 43.16 |
| | | *For Seal Class B, Add* | *10.79* | |
| | | *For Seal Class A, Add* | *23.02* | |
| | | *For Work In Restricted Working Space, Add* | *21.58* | |
| 23 31 13 13-0180 | LF | 16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 89.45 | 45.56 |
| | | *For Seal Class B, Add* | *11.39* | |
| | | *For Seal Class A, Add* | *24.30* | |
| | | *For Work In Restricted Working Space, Add* | *22.78* | |
| 23 31 13 13-0181 | LF | 16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 94.15 | 47.96 |
| | | *For Seal Class B, Add* | *11.99* | |
| | | *For Seal Class A, Add* | *25.57* | |
| | | *For Work In Restricted Working Space, Add* | *23.98* | |
| 23 31 13 13-0182 | LF | 18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 84.72 | 43.16 |
| | | *For Seal Class B, Add* | *10.79* | |
| | | *For Seal Class A, Add* | *23.02* | |
| | | *For Work In Restricted Working Space, Add* | *21.58* | |
| 23 31 13 13-0183 | LF | 18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 89.45 | 45.56 |
| | | *For Seal Class B, Add* | *11.39* | |
| | | *For Seal Class A, Add* | *24.30* | |
| | | *For Work In Restricted Working Space, Add* | *22.78* | |
| 23 31 13 13-0184 | LF | 18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 94.15 | 47.96 |
| | | *For Seal Class B, Add* | *11.99* | |
| | | *For Seal Class A, Add* | *25.57* | |
| | | *For Work In Restricted Working Space, Add* | *23.98* | |
| 23 31 13 13-0185 | LF | 18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 98.84 | 50.35 |
| | | *For Seal Class B, Add* | *12.59* | |
| | | *For Seal Class A, Add* | *26.85* | |
| | | *For Work In Restricted Working Space, Add* | *25.17* | |
| 23 31 13 13-0186 | LF | 20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 94.15 | 47.96 |
| | | *For Seal Class B, Add* | *11.99* | |
| | | *For Seal Class A, Add* | *25.57* | |
| | | *For Work In Restricted Working Space, Add* | *23.98* | |
| 23 31 13 13-0187 | LF | 20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 98.84 | 50.35 |
| | | *For Seal Class B, Add* | *12.59* | |
| | | *For Seal Class A, Add* | *26.85* | |
| | | *For Work In Restricted Working Space, Add* | *25.17* | |
| 23 31 13 13-0188 | LF | 20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 103.55 | 52.74 |
| | | *For Seal Class B, Add* | *13.19* | |
| | | *For Seal Class A, Add* | *28.13* | |
| | | *For Work In Restricted Working Space, Add* | *26.37* | |
| 23 31 13 13-0189 | LF | 22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 103.55 | 52.74 |
| | | *For Seal Class B, Add* | *13.19* | |
| | | *For Seal Class A, Add* | *28.13* | |
| | | *For Work In Restricted Working Space, Add* | *26.37* | |
| 23 31 13 13-0190 | LF | 22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 108.27 | 55.14 |
| | | *For Seal Class B, Add* | *13.79* | |
| | | *For Seal Class A, Add* | *29.41* | |
| | | *For Work In Restricted Working Space, Add* | *27.57* | |
| 23 31 13 13-0191 | LF | 24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 112.99 | 57.54 |
| | | *For Seal Class B, Add* | *14.39* | |
| | | *For Seal Class A, Add* | *30.69* | |
| | | *For Work In Restricted Working Space, Add* | *28.77* | |

## 23 31 13 13-0192 24 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

| | | | | |
|---|---|---|---|---|
| 23 31 13 13-0193 | LF | 4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 28.44 | 14.88 |
| | | *For Seal Class B, Add* | *3.72* | |
| | | *For Seal Class A, Add* | *7.94* | |
| | | *For Work In Restricted Working Space, Add* | *7.44* | |
| 23 31 13 13-0194 | LF | 4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 35.55 | 18.60 |
| | | *For Seal Class B, Add* | *4.65* | |
| | | *For Seal Class A, Add* | *9.92* | |
| | | *For Work In Restricted Working Space, Add* | *9.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0195 | LF | 4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 42.65 | 22.32 |
| | | *For Seal Class B, Add* | *5.58* | |
| | | *For Seal Class A, Add* | *11.91* | |
| | | *For Work In Restricted Working Space, Add* | *11.16* | |
| 23 31 13 13-0196 | LF | 4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 49.76 | 26.05 |
| | | *For Seal Class B, Add* | *6.51* | |
| | | *For Seal Class A, Add* | *13.89* | |
| | | *For Work In Restricted Working Space, Add* | *13.02* | |
| 23 31 13 13-0197 | LF | 4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 56.87 | 29.77 |
| | | *For Seal Class B, Add* | *7.44* | |
| | | *For Seal Class A, Add* | *15.88* | |
| | | *For Work In Restricted Working Space, Add* | *14.88* | |
| 23 31 13 13-0198 | LF | 4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 63.98 | 33.49 |
| | | *For Seal Class B, Add* | *8.37* | |
| | | *For Seal Class A, Add* | *17.86* | |
| | | *For Work In Restricted Working Space, Add* | *16.74* | |
| 23 31 13 13-0199 | LF | 4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 71.09 | 37.21 |
| | | *For Seal Class B, Add* | *9.30* | |
| | | *For Seal Class A, Add* | *19.85* | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |
| 23 31 13 13-0200 | LF | 6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 42.65 | 22.32 |
| | | *For Seal Class B, Add* | *5.58* | |
| | | *For Seal Class A, Add* | *11.91* | |
| | | *For Work In Restricted Working Space, Add* | *11.16* | |
| 23 31 13 13-0201 | LF | 6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 49.76 | 26.05 |
| | | *For Seal Class B, Add* | *6.51* | |
| | | *For Seal Class A, Add* | *13.89* | |
| | | *For Work In Restricted Working Space, Add* | *13.02* | |
| 23 31 13 13-0202 | LF | 6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 56.87 | 29.77 |
| | | *For Seal Class B, Add* | *7.44* | |
| | | *For Seal Class A, Add* | *15.88* | |
| | | *For Work In Restricted Working Space, Add* | *14.88* | |
| 23 31 13 13-0203 | LF | 6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 63.98 | 33.49 |
| | | *For Seal Class B, Add* | *8.37* | |
| | | *For Seal Class A, Add* | *17.86* | |
| | | *For Work In Restricted Working Space, Add* | *16.74* | |
| 23 31 13 13-0204 | LF | 6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 71.09 | 37.21 |
| | | *For Seal Class B, Add* | *9.30* | |
| | | *For Seal Class A, Add* | *19.85* | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |
| 23 31 13 13-0205 | LF | 6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 78.20 | 40.93 |
| | | *For Seal Class B, Add* | *10.23* | |
| | | *For Seal Class A, Add* | *21.83* | |
| | | *For Work In Restricted Working Space, Add* | *20.47* | |
| 23 31 13 13-0206 | LF | 8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 56.87 | 29.77 |
| | | *For Seal Class B, Add* | *7.44* | |
| | | *For Seal Class A, Add* | *15.88* | |
| | | *For Work In Restricted Working Space, Add* | *14.88* | |
| 23 31 13 13-0207 | LF | 8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 63.98 | 33.49 |
| | | *For Seal Class B, Add* | *8.37* | |
| | | *For Seal Class A, Add* | *17.86* | |
| | | *For Work In Restricted Working Space, Add* | *16.74* | |
| 23 31 13 13-0208 | LF | 8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 71.09 | 37.21 |
| | | *For Seal Class B, Add* | *9.30* | |
| | | *For Seal Class A, Add* | *19.85* | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |
| 23 31 13 13-0209 | LF | 8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 78.20 | 40.93 |
| | | *For Seal Class B, Add* | *10.23* | |
| | | *For Seal Class A, Add* | *21.83* | |
| | | *For Work In Restricted Working Space, Add* | *20.47* | |
| 23 31 13 13-0210 | LF | 8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 85.31 | 44.65 |
| | | *For Seal Class B, Add* | *11.16* | |
| | | *For Seal Class A, Add* | *23.81* | |
| | | *For Work In Restricted Working Space, Add* | *22.33* | |
| 23 31 13 13-0211 | LF | 8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 92.41 | 48.37 |
| | | *For Seal Class B, Add* | *12.09* | |
| | | *For Seal Class A, Add* | *25.80* | |
| | | *For Work In Restricted Working Space, Add* | *24.18* | |
| 23 31 13 13-0212 | LF | 8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 99.51 | 52.10 |
| | | *For Seal Class B, Add* | *13.02* | |
| | | *For Seal Class A, Add* | *27.78* | |
| | | *For Work In Restricted Working Space, Add* | *26.04* | |
| 23 31 13 13-0213 | LF | 8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 106.63 | 55.81 |
| | | *For Seal Class B, Add* | *13.95* | |
| | | *For Seal Class A, Add* | *29.77* | |
| | | *For Work In Restricted Working Space, Add* | *27.91* | |
| 23 31 13 13-0214 | LF | 8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 113.74 | 59.53 |
| | | *For Seal Class B, Add* | *14.88* | |
| | | *For Seal Class A, Add* | *31.75* | |
| | | *For Work In Restricted Working Space, Add* | *29.77* | |
| 23 31 13 13-0215 | LF | 10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 71.09 | 37.21 |
| | | *For Seal Class B, Add* | *9.30* | |
| | | *For Seal Class A, Add* | *19.85* | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0216 | LF | 10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 78.20 | 40.93 |
| | | *For Seal Class B, Add* | *10.23* | |
| | | *For Seal Class A, Add* | *21.83* | |
| | | *For Work In Restricted Working Space, Add* | *20.47* | |
| 23 31 13 13-0217 | LF | 10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 85.31 | 44.65 |
| | | *For Seal Class B, Add* | *11.16* | |
| | | *For Seal Class A, Add* | *23.81* | |
| | | *For Work In Restricted Working Space, Add* | *22.33* | |
| 23 31 13 13-0218 | LF | 10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 92.41 | 48.37 |
| | | *For Seal Class B, Add* | *12.09* | |
| | | *For Seal Class A, Add* | *25.80* | |
| | | *For Work In Restricted Working Space, Add* | *24.18* | |
| 23 31 13 13-0219 | LF | 10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 99.51 | 52.10 |
| | | *For Seal Class B, Add* | *13.02* | |
| | | *For Seal Class A, Add* | *27.78* | |
| | | *For Work In Restricted Working Space, Add* | *26.04* | |
| 23 31 13 13-0220 | LF | 10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 106.63 | 55.81 |
| | | *For Seal Class B, Add* | *13.95* | |
| | | *For Seal Class A, Add* | *29.77* | |
| | | *For Work In Restricted Working Space, Add* | *27.91* | |
| 23 31 13 13-0221 | LF | 10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 113.74 | 59.53 |
| | | *For Seal Class B, Add* | *14.88* | |
| | | *For Seal Class A, Add* | *31.75* | |
| | | *For Work In Restricted Working Space, Add* | *29.77* | |
| 23 31 13 13-0222 | LF | 10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 120.85 | 63.25 |
| | | *For Seal Class B, Add* | *15.81* | |
| | | *For Seal Class A, Add* | *33.73* | |
| | | *For Work In Restricted Working Space, Add* | *31.63* | |
| 23 31 13 13-0223 | LF | 10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 127.96 | 66.97 |
| | | *For Seal Class B, Add* | *16.74* | |
| | | *For Seal Class A, Add* | *35.72* | |
| | | *For Work In Restricted Working Space, Add* | *33.49* | |
| 23 31 13 13-0224 | LF | 10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 135.07 | 70.69 |
| | | *For Seal Class B, Add* | *17.67* | |
| | | *For Seal Class A, Add* | *37.71* | |
| | | *For Work In Restricted Working Space, Add* | *35.35* | |
| 23 31 13 13-0225 | LF | 10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 142.17 | 74.42 |
| | | *For Seal Class B, Add* | *18.60* | |
| | | *For Seal Class A, Add* | *39.69* | |
| | | *For Work In Restricted Working Space, Add* | *37.21* | |
| 23 31 13 13-0226 | LF | 12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 85.31 | 44.65 |
| | | *For Seal Class B, Add* | *11.16* | |
| | | *For Seal Class A, Add* | *23.81* | |
| | | *For Work In Restricted Working Space, Add* | *22.33* | |
| 23 31 13 13-0227 | LF | 12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 92.41 | 48.37 |
| | | *For Seal Class B, Add* | *12.09* | |
| | | *For Seal Class A, Add* | *25.80* | |
| | | *For Work In Restricted Working Space, Add* | *24.18* | |
| 23 31 13 13-0228 | LF | 12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 99.51 | 52.10 |
| | | *For Seal Class B, Add* | *13.02* | |
| | | *For Seal Class A, Add* | *27.78* | |
| | | *For Work In Restricted Working Space, Add* | *26.04* | |
| 23 31 13 13-0229 | LF | 12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 106.63 | 55.81 |
| | | *For Seal Class B, Add* | *13.95* | |
| | | *For Seal Class A, Add* | *29.77* | |
| | | *For Work In Restricted Working Space, Add* | *27.91* | |
| 23 31 13 13-0230 | LF | 12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 113.74 | 59.53 |
| | | *For Seal Class B, Add* | *14.88* | |
| | | *For Seal Class A, Add* | *31.75* | |
| | | *For Work In Restricted Working Space, Add* | *29.77* | |
| 23 31 13 13-0231 | LF | 12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 120.85 | 63.25 |
| | | *For Seal Class B, Add* | *15.81* | |
| | | *For Seal Class A, Add* | *33.73* | |
| | | *For Work In Restricted Working Space, Add* | *31.63* | |
| 23 31 13 13-0232 | LF | 12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 127.96 | 66.97 |
| | | *For Seal Class B, Add* | *16.74* | |
| | | *For Seal Class A, Add* | *35.72* | |
| | | *For Work In Restricted Working Space, Add* | *33.49* | |
| 23 31 13 13-0233 | LF | 12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 135.07 | 70.69 |
| | | *For Seal Class B, Add* | *17.67* | |
| | | *For Seal Class A, Add* | *37.71* | |
| | | *For Work In Restricted Working Space, Add* | *35.35* | |
| 23 31 13 13-0234 | LF | 12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 142.17 | 74.42 |
| | | *For Seal Class B, Add* | *18.60* | |
| | | *For Seal Class A, Add* | *39.69* | |
| | | *For Work In Restricted Working Space, Add* | *37.21* | |
| 23 31 13 13-0235 | LF | 12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 149.28 | 78.15 |
| | | *For Seal Class B, Add* | *19.53* | |
| | | *For Seal Class A, Add* | *41.67* | |
| | | *For Work In Restricted Working Space, Add* | *39.07* | |
| 23 31 13 13-0236 | LF | 14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 99.51 | 52.10 |
| | | *For Seal Class B, Add* | *13.02* | |
| | | *For Seal Class A, Add* | *27.78* | |
| | | *For Work In Restricted Working Space, Add* | *26.04* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0237 | LF | 14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 106.63 | 55.81 |
| | | *For Seal Class B, Add* | *13.95* | |
| | | *For Seal Class A, Add* | *29.77* | |
| | | *For Work In Restricted Working Space, Add* | *27.91* | |
| 23 31 13 13-0238 | LF | 14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 113.74 | 59.53 |
| | | *For Seal Class B, Add* | *14.88* | |
| | | *For Seal Class A, Add* | *31.75* | |
| | | *For Work In Restricted Working Space, Add* | *29.77* | |
| 23 31 13 13-0239 | LF | 14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 120.85 | 63.25 |
| | | *For Seal Class B, Add* | *15.81* | |
| | | *For Seal Class A, Add* | *33.73* | |
| | | *For Work In Restricted Working Space, Add* | *31.63* | |
| 23 31 13 13-0240 | LF | 14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 127.96 | 66.97 |
| | | *For Seal Class B, Add* | *16.74* | |
| | | *For Seal Class A, Add* | *35.72* | |
| | | *For Work In Restricted Working Space, Add* | *33.49* | |
| 23 31 13 13-0241 | LF | 14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 135.07 | 70.69 |
| | | *For Seal Class B, Add* | *17.67* | |
| | | *For Seal Class A, Add* | *37.71* | |
| | | *For Work In Restricted Working Space, Add* | *35.35* | |
| 23 31 13 13-0242 | LF | 14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 142.17 | 74.42 |
| | | *For Seal Class B, Add* | *18.60* | |
| | | *For Seal Class A, Add* | *39.69* | |
| | | *For Work In Restricted Working Space, Add* | *37.21* | |
| 23 31 13 13-0243 | LF | 14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 149.28 | 78.15 |
| | | *For Seal Class B, Add* | *19.53* | |
| | | *For Seal Class A, Add* | *41.67* | |
| | | *For Work In Restricted Working Space, Add* | *39.07* | |
| 23 31 13 13-0244 | LF | 14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 156.38 | 81.85 |
| | | *For Seal Class B, Add* | *20.46* | |
| | | *For Seal Class A, Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *40.93* | |
| 23 31 13 13-0245 | LF | 16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 113.74 | 59.53 |
| | | *For Seal Class B, Add* | *14.88* | |
| | | *For Seal Class A, Add* | *31.75* | |
| | | *For Work In Restricted Working Space, Add* | *29.77* | |
| 23 31 13 13-0246 | LF | 16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 120.85 | 63.25 |
| | | *For Seal Class B, Add* | *15.81* | |
| | | *For Seal Class A, Add* | *33.73* | |
| | | *For Work In Restricted Working Space, Add* | *31.63* | |
| 23 31 13 13-0247 | LF | 16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 127.96 | 66.97 |
| | | *For Seal Class B, Add* | *16.74* | |
| | | *For Seal Class A, Add* | *35.72* | |
| | | *For Work In Restricted Working Space, Add* | *33.49* | |
| 23 31 13 13-0248 | LF | 16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 135.07 | 70.69 |
| | | *For Seal Class B, Add* | *17.67* | |
| | | *For Seal Class A, Add* | *37.71* | |
| | | *For Work In Restricted Working Space, Add* | *35.35* | |
| 23 31 13 13-0249 | LF | 16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 142.17 | 74.42 |
| | | *For Seal Class B, Add* | *18.60* | |
| | | *For Seal Class A, Add* | *39.69* | |
| | | *For Work In Restricted Working Space, Add* | *37.21* | |
| 23 31 13 13-0250 | LF | 16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 149.28 | 78.15 |
| | | *For Seal Class B, Add* | *19.53* | |
| | | *For Seal Class A, Add* | *41.67* | |
| | | *For Work In Restricted Working Space, Add* | *39.07* | |
| 23 31 13 13-0251 | LF | 16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 156.38 | 81.85 |
| | | *For Seal Class B, Add* | *20.46* | |
| | | *For Seal Class A, Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *40.93* | |
| 23 31 13 13-0252 | LF | 16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 163.50 | 85.58 |
| | | *For Seal Class B, Add* | *21.39* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0253 | LF | 18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 127.96 | 66.97 |
| | | *For Seal Class B, Add* | *16.74* | |
| | | *For Seal Class A, Add* | *35.72* | |
| | | *For Work In Restricted Working Space, Add* | *33.49* | |
| 23 31 13 13-0254 | LF | 18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 135.07 | 70.69 |
| | | *For Seal Class B, Add* | *17.67* | |
| | | *For Seal Class A, Add* | *37.71* | |
| | | *For Work In Restricted Working Space, Add* | *35.35* | |
| 23 31 13 13-0255 | LF | 18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 142.17 | 74.42 |
| | | *For Seal Class B, Add* | *18.60* | |
| | | *For Seal Class A, Add* | *39.69* | |
| | | *For Work In Restricted Working Space, Add* | *37.21* | |
| 23 31 13 13-0256 | LF | 18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 149.28 | 78.15 |
| | | *For Seal Class B, Add* | *19.53* | |
| | | *For Seal Class A, Add* | *41.67* | |
| | | *For Work In Restricted Working Space, Add* | *39.07* | |
| 23 31 13 13-0257 | LF | 18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 156.38 | 81.85 |
| | | *For Seal Class B, Add* | *20.46* | |
| | | *For Seal Class A, Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *40.93* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0258 | LF | 18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 163.50 | 85.58 |
| | | *For Seal Class B, Add* | *21.39* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0259 | LF | 18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 170.61 | 89.30 |
| | | *For Seal Class B, Add* | *22.32* | |
| | | *For Seal Class A, Add* | *47.63* | |
| | | *For Work In Restricted Working Space, Add* | *44.65* | |
| 23 31 13 13-0260 | LF | 20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 142.17 | 74.42 |
| | | *For Seal Class B, Add* | *18.60* | |
| | | *For Seal Class A, Add* | *39.69* | |
| | | *For Work In Restricted Working Space, Add* | *37.21* | |
| 23 31 13 13-0261 | LF | 20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 149.28 | 78.15 |
| | | *For Seal Class B, Add* | *19.53* | |
| | | *For Seal Class A, Add* | *41.67* | |
| | | *For Work In Restricted Working Space, Add* | *39.07* | |
| 23 31 13 13-0262 | LF | 20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 156.38 | 81.85 |
| | | *For Seal Class B, Add* | *20.46* | |
| | | *For Seal Class A, Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *40.93* | |
| 23 31 13 13-0263 | LF | 20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 163.50 | 85.58 |
| | | *For Seal Class B, Add* | *21.39* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0264 | LF | 20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 170.61 | 89.30 |
| | | *For Seal Class B, Add* | *22.32* | |
| | | *For Seal Class A, Add* | *47.63* | |
| | | *For Work In Restricted Working Space, Add* | *44.65* | |
| 23 31 13 13-0265 | LF | 20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 177.72 | 93.02 |
| | | *For Seal Class B, Add* | *23.25* | |
| | | *For Seal Class A, Add* | *49.61* | |
| | | *For Work In Restricted Working Space, Add* | *46.51* | |
| 23 31 13 13-0266 | LF | 22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 156.38 | 81.85 |
| | | *For Seal Class B, Add* | *20.46* | |
| | | *For Seal Class A, Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *40.93* | |
| 23 31 13 13-0267 | LF | 22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 163.50 | 85.58 |
| | | *For Seal Class B, Add* | *21.39* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0268 | LF | 22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 170.61 | 89.30 |
| | | *For Seal Class B, Add* | *22.32* | |
| | | *For Seal Class A, Add* | *47.63* | |
| | | *For Work In Restricted Working Space, Add* | *44.65* | |
| 23 31 13 13-0269 | LF | 22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 177.72 | 93.02 |
| | | *For Seal Class B, Add* | *23.25* | |
| | | *For Seal Class A, Add* | *49.61* | |
| | | *For Work In Restricted Working Space, Add* | *46.51* | |
| 23 31 13 13-0270 | LF | 22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 184.82 | 96.74 |
| | | *For Seal Class B, Add* | *24.18* | |
| | | *For Seal Class A, Add* | *51.59* | |
| | | *For Work In Restricted Working Space, Add* | *48.37* | |
| 23 31 13 13-0271 | LF | 24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 170.61 | 89.30 |
| | | *For Seal Class B, Add* | *22.32* | |
| | | *For Seal Class A, Add* | *47.63* | |
| | | *For Work In Restricted Working Space, Add* | *44.65* | |
| 23 31 13 13-0272 | LF | 24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 177.72 | 93.02 |
| | | *For Seal Class B, Add* | *23.25* | |
| | | *For Seal Class A, Add* | *49.61* | |
| | | *For Work In Restricted Working Space, Add* | *46.51* | |
| 23 31 13 13-0273 | LF | 24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 184.82 | 96.74 |
| | | *For Seal Class B, Add* | *24.18* | |
| | | *For Seal Class A, Add* | *51.59* | |
| | | *For Work In Restricted Working Space, Add* | *48.37* | |
| 23 31 13 13-0274 | LF | 24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 191.94 | 100.47 |
| | | *For Seal Class B, Add* | *25.12* | |
| | | *For Seal Class A, Add* | *53.58* | |
| | | *For Work In Restricted Working Space, Add* | *50.23* | |
| 23 31 13 13-0275 | LF | 26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 184.82 | 96.74 |
| | | *For Seal Class B, Add* | *24.18* | |
| | | *For Seal Class A, Add* | *51.59* | |
| | | *For Work In Restricted Working Space, Add* | *48.37* | |
| 23 31 13 13-0276 | LF | 26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 191.94 | 100.47 |
| | | *For Seal Class B, Add* | *25.12* | |
| | | *For Seal Class A, Add* | *53.58* | |
| | | *For Work In Restricted Working Space, Add* | *50.23* | |
| 23 31 13 13-0277 | LF | 26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 199.04 | 104.17 |
| | | *For Seal Class B, Add* | *26.04* | |
| | | *For Seal Class A, Add* | *55.56* | |
| | | *For Work In Restricted Working Space, Add* | *52.09* | |
| 23 31 13 13-0278 | LF | 28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 199.04 | 104.17 |
| | | *For Seal Class B, Add* | *26.04* | |
| | | *For Seal Class A, Add* | *55.56* | |
| | | *For Work In Restricted Working Space, Add* | *52.09* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0279 | LF | 28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 206.15 | 107.90 |
| | | *For Seal Class B, Add* | *26.97* | |
| | | *For Seal Class A, Add* | *57.55* | |
| | | *For Work In Restricted Working Space, Add* | *53.95* | |
| 23 31 13 13-0280 | LF | 30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 213.27 | 111.63 |
| | | *For Seal Class B, Add* | *27.91* | |
| | | *For Seal Class A, Add* | *59.54* | |
| | | *For Work In Restricted Working Space, Add* | *55.82* | |
| 23 31 13 13-0281 | | 22 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)* | | |
| | | Note: Seal Class C | | |
| 23 31 13 13-0282 | LF | 4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 29.22 | 14.88 |
| | | *For Seal Class B, Add* | *3.72* | |
| | | *For Seal Class A, Add* | *7.94* | |
| | | *For Work In Restricted Working Space, Add* | *7.44* | |
| 23 31 13 13-0283 | LF | 4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 36.53 | 18.60 |
| | | *For Seal Class B, Add* | *4.65* | |
| | | *For Seal Class A, Add* | *9.92* | |
| | | *For Work In Restricted Working Space, Add* | *9.30* | |
| 23 31 13 13-0284 | LF | 4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 43.83 | 22.32 |
| | | *For Seal Class B, Add* | *5.58* | |
| | | *For Seal Class A, Add* | *11.91* | |
| | | *For Work In Restricted Working Space, Add* | *11.16* | |
| 23 31 13 13-0285 | LF | 4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 51.14 | 26.05 |
| | | *For Seal Class B, Add* | *6.51* | |
| | | *For Seal Class A, Add* | *13.89* | |
| | | *For Work In Restricted Working Space, Add* | *13.02* | |
| 23 31 13 13-0286 | LF | 4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 58.44 | 29.77 |
| | | *For Seal Class B, Add* | *7.44* | |
| | | *For Seal Class A, Add* | *15.88* | |
| | | *For Work In Restricted Working Space, Add* | *14.88* | |
| 23 31 13 13-0287 | LF | 4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 65.74 | 33.49 |
| | | *For Seal Class B, Add* | *8.37* | |
| | | *For Seal Class A, Add* | *17.86* | |
| | | *For Work In Restricted Working Space, Add* | *16.74* | |
| 23 31 13 13-0288 | LF | 4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 73.06 | 37.21 |
| | | *For Seal Class B, Add* | *9.30* | |
| | | *For Seal Class A, Add* | *19.85* | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |
| 23 31 13 13-0289 | LF | 6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 43.83 | 22.32 |
| | | *For Seal Class B, Add* | *5.58* | |
| | | *For Seal Class A, Add* | *11.91* | |
| | | *For Work In Restricted Working Space, Add* | *11.16* | |
| 23 31 13 13-0290 | LF | 6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 51.14 | 26.05 |
| | | *For Seal Class B, Add* | *6.51* | |
| | | *For Seal Class A, Add* | *13.89* | |
| | | *For Work In Restricted Working Space, Add* | *13.02* | |
| 23 31 13 13-0291 | LF | 6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 58.44 | 29.77 |
| | | *For Seal Class B, Add* | *7.44* | |
| | | *For Seal Class A, Add* | *15.88* | |
| | | *For Work In Restricted Working Space, Add* | *14.88* | |
| 23 31 13 13-0292 | LF | 6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 65.74 | 33.49 |
| | | *For Seal Class B, Add* | *8.37* | |
| | | *For Seal Class A, Add* | *17.86* | |
| | | *For Work In Restricted Working Space, Add* | *16.74* | |
| 23 31 13 13-0293 | LF | 6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 73.06 | 37.21 |
| | | *For Seal Class B, Add* | *9.30* | |
| | | *For Seal Class A, Add* | *19.85* | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |
| 23 31 13 13-0294 | LF | 6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 80.36 | 40.93 |
| | | *For Seal Class B, Add* | *10.23* | |
| | | *For Seal Class A, Add* | *21.83* | |
| | | *For Work In Restricted Working Space, Add* | *20.47* | |
| 23 31 13 13-0295 | LF | 8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 58.44 | 29.77 |
| | | *For Seal Class B, Add* | *7.44* | |
| | | *For Seal Class A, Add* | *15.88* | |
| | | *For Work In Restricted Working Space, Add* | *14.88* | |
| 23 31 13 13-0296 | LF | 8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 65.74 | 33.49 |
| | | *For Seal Class B, Add* | *8.37* | |
| | | *For Seal Class A, Add* | *17.86* | |
| | | *For Work In Restricted Working Space, Add* | *16.74* | |
| 23 31 13 13-0297 | LF | 8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 73.06 | 37.21 |
| | | *For Seal Class B, Add* | *9.30* | |
| | | *For Seal Class A, Add* | *19.85* | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |
| 23 31 13 13-0298 | LF | 8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 80.36 | 40.93 |
| | | *For Seal Class B, Add* | *10.23* | |
| | | *For Seal Class A, Add* | *21.83* | |
| | | *For Work In Restricted Working Space, Add* | *20.47* | |
| 23 31 13 13-0299 | LF | 8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 87.66 | 44.65 |
| | | *For Seal Class B, Add* | *11.16* | |
| | | *For Seal Class A, Add* | *23.81* | |
| | | *For Work In Restricted Working Space, Add* | *22.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0300 | LF | 8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 94.96 | 48.37 |
| | | *For Seal Class B, Add* | *12.09* | |
| | | *For Seal Class A, Add* | *25.80* | |
| | | *For Work In Restricted Working Space, Add* | *24.18* | |
| 23 31 13 13-0301 | LF | 8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 102.26 | 52.10 |
| | | *For Seal Class B, Add* | *13.02* | |
| | | *For Seal Class A, Add* | *27.78* | |
| | | *For Work In Restricted Working Space, Add* | *26.04* | |
| 23 31 13 13-0302 | LF | 8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 109.58 | 55.81 |
| | | *For Seal Class B, Add* | *13.95* | |
| | | *For Seal Class A, Add* | *29.77* | |
| | | *For Work In Restricted Working Space, Add* | *27.91* | |
| 23 31 13 13-0303 | LF | 8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 116.88 | 59.53 |
| | | *For Seal Class B, Add* | *14.88* | |
| | | *For Seal Class A, Add* | *31.75* | |
| | | *For Work In Restricted Working Space, Add* | *29.77* | |
| 23 31 13 13-0304 | LF | 10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 73.06 | 37.21 |
| | | *For Seal Class B, Add* | *9.30* | |
| | | *For Seal Class A, Add* | *19.85* | |
| | | *For Work In Restricted Working Space, Add* | *18.61* | |
| 23 31 13 13-0305 | LF | 10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 80.36 | 40.93 |
| | | *For Seal Class B, Add* | *10.23* | |
| | | *For Seal Class A, Add* | *21.83* | |
| | | *For Work In Restricted Working Space, Add* | *20.47* | |
| 23 31 13 13-0306 | LF | 10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 87.66 | 44.65 |
| | | *For Seal Class B, Add* | *11.16* | |
| | | *For Seal Class A, Add* | *23.81* | |
| | | *For Work In Restricted Working Space, Add* | *22.33* | |
| 23 31 13 13-0307 | LF | 10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 94.96 | 48.37 |
| | | *For Seal Class B, Add* | *12.09* | |
| | | *For Seal Class A, Add* | *25.80* | |
| | | *For Work In Restricted Working Space, Add* | *24.18* | |
| 23 31 13 13-0308 | LF | 10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 102.26 | 52.10 |
| | | *For Seal Class B, Add* | *13.02* | |
| | | *For Seal Class A, Add* | *27.78* | |
| | | *For Work In Restricted Working Space, Add* | *26.04* | |
| 23 31 13 13-0309 | LF | 10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 109.58 | 55.81 |
| | | *For Seal Class B, Add* | *13.95* | |
| | | *For Seal Class A, Add* | *29.77* | |
| | | *For Work In Restricted Working Space, Add* | *27.91* | |
| 23 31 13 13-0310 | LF | 10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 116.88 | 59.53 |
| | | *For Seal Class B, Add* | *14.88* | |
| | | *For Seal Class A, Add* | *31.75* | |
| | | *For Work In Restricted Working Space, Add* | *29.77* | |
| 23 31 13 13-0311 | LF | 10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 124.18 | 63.25 |
| | | *For Seal Class B, Add* | *15.81* | |
| | | *For Seal Class A, Add* | *33.73* | |
| | | *For Work In Restricted Working Space, Add* | *31.63* | |
| 23 31 13 13-0312 | LF | 10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 131.50 | 66.97 |
| | | *For Seal Class B, Add* | *16.74* | |
| | | *For Seal Class A, Add* | *35.72* | |
| | | *For Work In Restricted Working Space, Add* | *33.49* | |
| 23 31 13 13-0313 | LF | 10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 138.80 | 70.69 |
| | | *For Seal Class B, Add* | *17.67* | |
| | | *For Seal Class A, Add* | *37.71* | |
| | | *For Work In Restricted Working Space, Add* | *35.35* | |
| 23 31 13 13-0314 | LF | 10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 146.09 | 74.42 |
| | | *For Seal Class B, Add* | *18.60* | |
| | | *For Seal Class A, Add* | *39.69* | |
| | | *For Work In Restricted Working Space, Add* | *37.21* | |
| 23 31 13 13-0315 | LF | 10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 153.40 | 78.15 |
| | | *For Seal Class B, Add* | *19.53* | |
| | | *For Seal Class A, Add* | *41.67* | |
| | | *For Work In Restricted Working Space, Add* | *39.07* | |
| 23 31 13 13-0316 | LF | 12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 87.66 | 44.65 |
| | | *For Seal Class B, Add* | *11.16* | |
| | | *For Seal Class A, Add* | *23.81* | |
| | | *For Work In Restricted Working Space, Add* | *22.33* | |
| 23 31 13 13-0317 | LF | 12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 94.96 | 48.37 |
| | | *For Seal Class B, Add* | *12.09* | |
| | | *For Seal Class A, Add* | *25.80* | |
| | | *For Work In Restricted Working Space, Add* | *24.18* | |
| 23 31 13 13-0318 | LF | 12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 102.26 | 52.10 |
| | | *For Seal Class B, Add* | *13.02* | |
| | | *For Seal Class A, Add* | *27.78* | |
| | | *For Work In Restricted Working Space, Add* | *26.04* | |
| 23 31 13 13-0319 | LF | 12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 109.58 | 55.81 |
| | | *For Seal Class B, Add* | *13.95* | |
| | | *For Seal Class A, Add* | *29.77* | |
| | | *For Work In Restricted Working Space, Add* | *27.91* | |
| 23 31 13 13-0320 | LF | 12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 116.88 | 59.53 |
| | | *For Seal Class B, Add* | *14.88* | |
| | | *For Seal Class A, Add* | *31.75* | |
| | | *For Work In Restricted Working Space, Add* | *29.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0321 | LF | 12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 124.18 | 63.25 |
| | | *For Seal Class B, Add* | *15.81* | |
| | | *For Seal Class A, Add* | *33.73* | |
| | | *For Work In Restricted Working Space, Add* | *31.63* | |
| 23 31 13 13-0322 | LF | 12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 131.50 | 66.97 |
| | | *For Seal Class B, Add* | *16.74* | |
| | | *For Seal Class A, Add* | *35.72* | |
| | | *For Work In Restricted Working Space, Add* | *33.49* | |
| 23 31 13 13-0323 | LF | 12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 138.80 | 70.69 |
| | | *For Seal Class B, Add* | *17.67* | |
| | | *For Seal Class A, Add* | *37.71* | |
| | | *For Work In Restricted Working Space, Add* | *35.35* | |
| 23 31 13 13-0324 | LF | 12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 146.09 | 74.42 |
| | | *For Seal Class B, Add* | *18.60* | |
| | | *For Seal Class A, Add* | *39.69* | |
| | | *For Work In Restricted Working Space, Add* | *37.21* | |
| 23 31 13 13-0325 | LF | 12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 153.40 | 78.15 |
| | | *For Seal Class B, Add* | *19.53* | |
| | | *For Seal Class A, Add* | *41.67* | |
| | | *For Work In Restricted Working Space, Add* | *39.07* | |
| 23 31 13 13-0326 | LF | 12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 160.70 | 81.85 |
| | | *For Seal Class B, Add* | *20.46* | |
| | | *For Seal Class A, Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *40.93* | |
| 23 31 13 13-0327 | LF | 12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 168.02 | 85.58 |
| | | *For Seal Class B, Add* | *21.39* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0328 | LF | 12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 175.32 | 89.30 |
| | | *For Seal Class B, Add* | *22.32* | |
| | | *For Seal Class A, Add* | *47.63* | |
| | | *For Work In Restricted Working Space, Add* | *44.65* | |
| 23 31 13 13-0329 | LF | 14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 102.26 | 52.10 |
| | | *For Seal Class B, Add* | *13.02* | |
| | | *For Seal Class A, Add* | *27.78* | |
| | | *For Work In Restricted Working Space, Add* | *26.04* | |
| 23 31 13 13-0330 | LF | 14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 109.58 | 55.81 |
| | | *For Seal Class B, Add* | *13.95* | |
| | | *For Seal Class A, Add* | *29.77* | |
| | | *For Work In Restricted Working Space, Add* | *27.91* | |
| 23 31 13 13-0331 | LF | 14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 116.88 | 59.53 |
| | | *For Seal Class B, Add* | *14.88* | |
| | | *For Seal Class A, Add* | *31.75* | |
| | | *For Work In Restricted Working Space, Add* | *29.77* | |
| 23 31 13 13-0332 | LF | 14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 124.18 | 63.25 |
| | | *For Seal Class B, Add* | *15.81* | |
| | | *For Seal Class A, Add* | *33.73* | |
| | | *For Work In Restricted Working Space, Add* | *31.63* | |
| 23 31 13 13-0333 | LF | 14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 131.50 | 66.97 |
| | | *For Seal Class B, Add* | *16.74* | |
| | | *For Seal Class A, Add* | *35.72* | |
| | | *For Work In Restricted Working Space, Add* | *33.49* | |
| 23 31 13 13-0334 | LF | 14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 138.80 | 70.69 |
| | | *For Seal Class B, Add* | *17.67* | |
| | | *For Seal Class A, Add* | *37.71* | |
| | | *For Work In Restricted Working Space, Add* | *35.35* | |
| 23 31 13 13-0335 | LF | 14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 146.09 | 74.42 |
| | | *For Seal Class B, Add* | *18.60* | |
| | | *For Seal Class A, Add* | *39.69* | |
| | | *For Work In Restricted Working Space, Add* | *37.21* | |
| 23 31 13 13-0336 | LF | 14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 153.40 | 78.15 |
| | | *For Seal Class B, Add* | *19.53* | |
| | | *For Seal Class A, Add* | *41.67* | |
| | | *For Work In Restricted Working Space, Add* | *39.07* | |
| 23 31 13 13-0337 | LF | 14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 160.70 | 81.85 |
| | | *For Seal Class B, Add* | *20.46* | |
| | | *For Seal Class A, Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *40.93* | |
| 23 31 13 13-0338 | LF | 14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 168.02 | 85.58 |
| | | *For Seal Class B, Add* | *21.39* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0339 | LF | 14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 175.32 | 89.30 |
| | | *For Seal Class B, Add* | *22.32* | |
| | | *For Seal Class A, Add* | *47.63* | |
| | | *For Work In Restricted Working Space, Add* | *44.65* | |
| 23 31 13 13-0340 | LF | 14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 182.62 | 93.02 |
| | | *For Seal Class B, Add* | *23.25* | |
| | | *For Seal Class A, Add* | *49.61* | |
| | | *For Work In Restricted Working Space, Add* | *46.51* | |
| 23 31 13 13-0341 | LF | 16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 116.88 | 59.53 |
| | | *For Seal Class B, Add* | *14.88* | |
| | | *For Seal Class A, Add* | *31.75* | |
| | | *For Work In Restricted Working Space, Add* | *29.77* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0342 | LF | 16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 124.18 | 63.25 |
| | | *For Seal Class B, Add* | *15.81* | |
| | | *For Seal Class A, Add* | *33.73* | |
| | | *For Work In Restricted Working Space, Add* | *31.63* | |
| 23 31 13 13-0343 | LF | 16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 131.50 | 66.97 |
| | | *For Seal Class B, Add* | *16.74* | |
| | | *For Seal Class A, Add* | *35.72* | |
| | | *For Work In Restricted Working Space, Add* | *33.49* | |
| 23 31 13 13-0344 | LF | 16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 138.80 | 70.69 |
| | | *For Seal Class B, Add* | *17.67* | |
| | | *For Seal Class A, Add* | *37.71* | |
| | | *For Work In Restricted Working Space, Add* | *35.35* | |
| 23 31 13 13-0345 | LF | 16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 146.09 | 74.42 |
| | | *For Seal Class B, Add* | *18.60* | |
| | | *For Seal Class A, Add* | *39.69* | |
| | | *For Work In Restricted Working Space, Add* | *37.21* | |
| 23 31 13 13-0346 | LF | 16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 153.40 | 78.15 |
| | | *For Seal Class B, Add* | *19.53* | |
| | | *For Seal Class A, Add* | *41.67* | |
| | | *For Work In Restricted Working Space, Add* | *39.07* | |
| 23 31 13 13-0347 | LF | 16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 160.70 | 81.85 |
| | | *For Seal Class B, Add* | *20.46* | |
| | | *For Seal Class A, Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *40.93* | |
| 23 31 13 13-0348 | LF | 16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 168.02 | 85.58 |
| | | *For Seal Class B, Add* | *21.39* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0349 | LF | 16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 175.32 | 89.30 |
| | | *For Seal Class B, Add* | *22.32* | |
| | | *For Seal Class A, Add* | *47.63* | |
| | | *For Work In Restricted Working Space, Add* | *44.65* | |
| 23 31 13 13-0350 | LF | 16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 182.62 | 93.02 |
| | | *For Seal Class B, Add* | *23.25* | |
| | | *For Seal Class A, Add* | *49.61* | |
| | | *For Work In Restricted Working Space, Add* | *46.51* | |
| 23 31 13 13-0351 | LF | 16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 189.93 | 96.74 |
| | | *For Seal Class B, Add* | *24.18* | |
| | | *For Seal Class A, Add* | *51.59* | |
| | | *For Work In Restricted Working Space, Add* | *48.37* | |
| 23 31 13 13-0352 | LF | 16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 197.24 | 100.47 |
| | | *For Seal Class B, Add* | *25.12* | |
| | | *For Seal Class A, Add* | *53.58* | |
| | | *For Work In Restricted Working Space, Add* | *50.23* | |
| 23 31 13 13-0353 | LF | 16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 204.53 | 104.17 |
| | | *For Seal Class B, Add* | *26.04* | |
| | | *For Seal Class A, Add* | *55.56* | |
| | | *For Work In Restricted Working Space, Add* | *52.09* | |
| 23 31 13 13-0354 | LF | 16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 211.84 | 107.90 |
| | | *For Seal Class B, Add* | *26.97* | |
| | | *For Seal Class A, Add* | *57.55* | |
| | | *For Work In Restricted Working Space, Add* | *53.95* | |
| 23 31 13 13-0355 | LF | 16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 219.16 | 111.63 |
| | | *For Seal Class B, Add* | *27.91* | |
| | | *For Seal Class A, Add* | *59.54* | |
| | | *For Work In Restricted Working Space, Add* | *55.82* | |
| 23 31 13 13-0356 | LF | 18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 131.50 | 66.97 |
| | | *For Seal Class B, Add* | *16.74* | |
| | | *For Seal Class A, Add* | *35.72* | |
| | | *For Work In Restricted Working Space, Add* | *33.49* | |
| 23 31 13 13-0357 | LF | 18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 138.80 | 70.69 |
| | | *For Seal Class B, Add* | *17.67* | |
| | | *For Seal Class A, Add* | *37.71* | |
| | | *For Work In Restricted Working Space, Add* | *35.35* | |
| 23 31 13 13-0358 | LF | 18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 146.09 | 74.42 |
| | | *For Seal Class B, Add* | *18.60* | |
| | | *For Seal Class A, Add* | *39.69* | |
| | | *For Work In Restricted Working Space, Add* | *37.21* | |
| 23 31 13 13-0359 | LF | 18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 153.40 | 78.15 |
| | | *For Seal Class B, Add* | *19.53* | |
| | | *For Seal Class A, Add* | *41.67* | |
| | | *For Work In Restricted Working Space, Add* | *39.07* | |
| 23 31 13 13-0360 | LF | 18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 160.70 | 81.85 |
| | | *For Seal Class B, Add* | *20.46* | |
| | | *For Seal Class A, Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *40.93* | |
| 23 31 13 13-0361 | LF | 18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 168.02 | 85.58 |
| | | *For Seal Class B, Add* | *21.39* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0362 | LF | 18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 175.32 | 89.30 |
| | | *For Seal Class B, Add* | *22.32* | |
| | | *For Seal Class A, Add* | *47.63* | |
| | | *For Work In Restricted Working Space, Add* | *44.65* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0363 | LF | 18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 182.62 | 93.02 |
| | | *For Seal Class B, Add* | *23.25* | |
| | | *For Seal Class A, Add* | *49.61* | |
| | | *For Work In Restricted Working Space, Add* | *46.51* | |
| 23 31 13 13-0364 | LF | 18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 189.93 | 96.74 |
| | | *For Seal Class B, Add* | *24.18* | |
| | | *For Seal Class A, Add* | *51.59* | |
| | | *For Work In Restricted Working Space, Add* | *48.37* | |
| 23 31 13 13-0365 | LF | 18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 197.24 | 100.47 |
| | | *For Seal Class B, Add* | *25.12* | |
| | | *For Seal Class A, Add* | *53.58* | |
| | | *For Work In Restricted Working Space, Add* | *50.23* | |
| 23 31 13 13-0366 | LF | 18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 204.53 | 104.17 |
| | | *For Seal Class B, Add* | *26.04* | |
| | | *For Seal Class A, Add* | *55.56* | |
| | | *For Work In Restricted Working Space, Add* | *52.09* | |
| 23 31 13 13-0367 | LF | 18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 211.84 | 107.90 |
| | | *For Seal Class B, Add* | *26.97* | |
| | | *For Seal Class A, Add* | *57.55* | |
| | | *For Work In Restricted Working Space, Add* | *53.95* | |
| 23 31 13 13-0368 | LF | 18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 219.16 | 111.63 |
| | | *For Seal Class B, Add* | *27.91* | |
| | | *For Seal Class A, Add* | *59.54* | |
| | | *For Work In Restricted Working Space, Add* | *55.82* | |
| 23 31 13 13-0369 | LF | 18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 226.46 | 115.34 |
| | | *For Seal Class B, Add* | *28.84* | |
| | | *For Seal Class A, Add* | *61.52* | |
| | | *For Work In Restricted Working Space, Add* | *57.67* | |
| 23 31 13 13-0370 | LF | 18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 233.76 | 119.07 |
| | | *For Seal Class B, Add* | *29.77* | |
| | | *For Seal Class A, Add* | *63.50* | |
| | | *For Work In Restricted Working Space, Add* | *59.53* | |
| 23 31 13 13-0371 | LF | 20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 146.09 | 74.42 |
| | | *For Seal Class B, Add* | *18.60* | |
| | | *For Seal Class A, Add* | *39.69* | |
| | | *For Work In Restricted Working Space, Add* | *37.21* | |
| 23 31 13 13-0372 | LF | 20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 153.40 | 78.15 |
| | | *For Seal Class B, Add* | *19.53* | |
| | | *For Seal Class A, Add* | *41.67* | |
| | | *For Work In Restricted Working Space, Add* | *39.07* | |
| 23 31 13 13-0373 | LF | 20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 160.70 | 81.85 |
| | | *For Seal Class B, Add* | *20.46* | |
| | | *For Seal Class A, Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *40.93* | |
| 23 31 13 13-0374 | LF | 20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 168.02 | 85.58 |
| | | *For Seal Class B, Add* | *21.39* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0375 | LF | 20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 175.32 | 89.30 |
| | | *For Seal Class B, Add* | *22.32* | |
| | | *For Seal Class A, Add* | *47.63* | |
| | | *For Work In Restricted Working Space, Add* | *44.65* | |
| 23 31 13 13-0376 | LF | 20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 182.62 | 93.02 |
| | | *For Seal Class B, Add* | *23.25* | |
| | | *For Seal Class A, Add* | *49.61* | |
| | | *For Work In Restricted Working Space, Add* | *46.51* | |
| 23 31 13 13-0377 | LF | 20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 189.93 | 96.74 |
| | | *For Seal Class B, Add* | *24.18* | |
| | | *For Seal Class A, Add* | *51.59* | |
| | | *For Work In Restricted Working Space, Add* | *48.37* | |
| 23 31 13 13-0378 | LF | 20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 197.24 | 100.47 |
| | | *For Seal Class B, Add* | *25.12* | |
| | | *For Seal Class A, Add* | *53.58* | |
| | | *For Work In Restricted Working Space, Add* | *50.23* | |
| 23 31 13 13-0379 | LF | 20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 204.53 | 104.17 |
| | | *For Seal Class B, Add* | *26.04* | |
| | | *For Seal Class A, Add* | *55.56* | |
| | | *For Work In Restricted Working Space, Add* | *52.09* | |
| 23 31 13 13-0380 | LF | 20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 211.84 | 107.90 |
| | | *For Seal Class B, Add* | *26.97* | |
| | | *For Seal Class A, Add* | *57.55* | |
| | | *For Work In Restricted Working Space, Add* | *53.95* | |
| 23 31 13 13-0381 | LF | 20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 219.16 | 111.63 |
| | | *For Seal Class B, Add* | *27.91* | |
| | | *For Seal Class A, Add* | *59.54* | |
| | | *For Work In Restricted Working Space, Add* | *55.82* | |
| 23 31 13 13-0382 | LF | 20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 226.46 | 115.34 |
| | | *For Seal Class B, Add* | *28.84* | |
| | | *For Seal Class A, Add* | *61.52* | |
| | | *For Work In Restricted Working Space, Add* | *57.67* | |
| 23 31 13 13-0383 | LF | 20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 233.76 | 119.07 |
| | | *For Seal Class B, Add* | *29.77* | |
| | | *For Seal Class A, Add* | *63.50* | |
| | | *For Work In Restricted Working Space, Add* | *59.53* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0384 | LF | 20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 241.06 | 122.79 |
| | | *For Seal Class B, Add* | *30.70* | |
| | | *For Seal Class A, Add* | *65.48* | |
| | | *For Work In Restricted Working Space, Add* | *61.39* | |
| 23 31 13 13-0385 | LF | 20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 248.37 | 126.51 |
| | | *For Seal Class B, Add* | *31.63* | |
| | | *For Seal Class A, Add* | *67.47* | |
| | | *For Work In Restricted Working Space, Add* | *63.25* | |
| 23 31 13 13-0386 | LF | 22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 160.70 | 81.85 |
| | | *For Seal Class B, Add* | *20.46* | |
| | | *For Seal Class A, Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *40.93* | |
| 23 31 13 13-0387 | LF | 22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 168.02 | 85.58 |
| | | *For Seal Class B, Add* | *21.39* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0388 | LF | 22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 175.32 | 89.30 |
| | | *For Seal Class B, Add* | *22.32* | |
| | | *For Seal Class A, Add* | *47.63* | |
| | | *For Work In Restricted Working Space, Add* | *44.65* | |
| 23 31 13 13-0389 | LF | 22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 182.62 | 93.02 |
| | | *For Seal Class B, Add* | *23.25* | |
| | | *For Seal Class A, Add* | *49.61* | |
| | | *For Work In Restricted Working Space, Add* | *46.51* | |
| 23 31 13 13-0390 | LF | 22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 189.93 | 96.74 |
| | | *For Seal Class B, Add* | *24.18* | |
| | | *For Seal Class A, Add* | *51.59* | |
| | | *For Work In Restricted Working Space, Add* | *48.37* | |
| 23 31 13 13-0391 | LF | 22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 197.24 | 100.47 |
| | | *For Seal Class B, Add* | *25.12* | |
| | | *For Seal Class A, Add* | *53.58* | |
| | | *For Work In Restricted Working Space, Add* | *50.23* | |
| 23 31 13 13-0392 | LF | 22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 204.53 | 104.17 |
| | | *For Seal Class B, Add* | *26.04* | |
| | | *For Seal Class A, Add* | *55.56* | |
| | | *For Work In Restricted Working Space, Add* | *52.09* | |
| 23 31 13 13-0393 | LF | 22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 211.84 | 107.90 |
| | | *For Seal Class B, Add* | *26.97* | |
| | | *For Seal Class A, Add* | *57.55* | |
| | | *For Work In Restricted Working Space, Add* | *53.95* | |
| 23 31 13 13-0394 | LF | 22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 219.16 | 111.63 |
| | | *For Seal Class B, Add* | *27.91* | |
| | | *For Seal Class A, Add* | *59.54* | |
| | | *For Work In Restricted Working Space, Add* | *55.82* | |
| 23 31 13 13-0395 | LF | 22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 226.46 | 115.34 |
| | | *For Seal Class B, Add* | *28.84* | |
| | | *For Seal Class A, Add* | *61.52* | |
| | | *For Work In Restricted Working Space, Add* | *57.67* | |
| 23 31 13 13-0396 | LF | 22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 233.76 | 119.07 |
| | | *For Seal Class B, Add* | *29.77* | |
| | | *For Seal Class A, Add* | *63.50* | |
| | | *For Work In Restricted Working Space, Add* | *59.53* | |
| 23 31 13 13-0397 | LF | 22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 241.06 | 122.79 |
| | | *For Seal Class B, Add* | *30.70* | |
| | | *For Seal Class A, Add* | *65.48* | |
| | | *For Work In Restricted Working Space, Add* | *61.39* | |
| 23 31 13 13-0398 | LF | 22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 248.37 | 126.51 |
| | | *For Seal Class B, Add* | *31.63* | |
| | | *For Seal Class A, Add* | *67.47* | |
| | | *For Work In Restricted Working Space, Add* | *63.25* | |
| 23 31 13 13-0399 | LF | 22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 255.67 | 130.22 |
| | | *For Seal Class B, Add* | *32.56* | |
| | | *For Seal Class A, Add* | *69.45* | |
| | | *For Work In Restricted Working Space, Add* | *65.11* | |
| 23 31 13 13-0400 | LF | 24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 175.32 | 89.30 |
| | | *For Seal Class B, Add* | *22.32* | |
| | | *For Seal Class A, Add* | *47.63* | |
| | | *For Work In Restricted Working Space, Add* | *44.65* | |
| 23 31 13 13-0401 | LF | 24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 182.62 | 93.02 |
| | | *For Seal Class B, Add* | *23.25* | |
| | | *For Seal Class A, Add* | *49.61* | |
| | | *For Work In Restricted Working Space, Add* | *46.51* | |
| 23 31 13 13-0402 | LF | 24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 189.93 | 96.74 |
| | | *For Seal Class B, Add* | *24.18* | |
| | | *For Seal Class A, Add* | *51.59* | |
| | | *For Work In Restricted Working Space, Add* | *48.37* | |
| 23 31 13 13-0403 | LF | 24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 197.24 | 100.47 |
| | | *For Seal Class B, Add* | *25.12* | |
| | | *For Seal Class A, Add* | *53.58* | |
| | | *For Work In Restricted Working Space, Add* | *50.23* | |
| 23 31 13 13-0404 | LF | 24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 204.53 | 104.17 |
| | | *For Seal Class B, Add* | *26.04* | |
| | | *For Seal Class A, Add* | *55.56* | |
| | | *For Work In Restricted Working Space, Add* | *52.09* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0405 | LF | 24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 211.84 | 107.90 |
| | | *For Seal Class B, Add* | *26.97* | |
| | | *For Seal Class A, Add* | *57.55* | |
| | | *For Work In Restricted Working Space, Add* | *53.95* | |
| 23 31 13 13-0406 | LF | 24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 219.16 | 111.63 |
| | | *For Seal Class B, Add* | *27.91* | |
| | | *For Seal Class A, Add* | *59.54* | |
| | | *For Work In Restricted Working Space, Add* | *55.82* | |
| 23 31 13 13-0407 | LF | 24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 226.46 | 115.34 |
| | | *For Seal Class B, Add* | *28.84* | |
| | | *For Seal Class A, Add* | *61.52* | |
| | | *For Work In Restricted Working Space, Add* | *57.67* | |
| 23 31 13 13-0408 | LF | 24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 233.76 | 119.07 |
| | | *For Seal Class B, Add* | *29.77* | |
| | | *For Seal Class A, Add* | *63.50* | |
| | | *For Work In Restricted Working Space, Add* | *59.53* | |
| 23 31 13 13-0409 | LF | 24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 241.06 | 122.79 |
| | | *For Seal Class B, Add* | *30.70* | |
| | | *For Seal Class A, Add* | *65.48* | |
| | | *For Work In Restricted Working Space, Add* | *61.39* | |
| 23 31 13 13-0410 | LF | 24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 248.37 | 126.51 |
| | | *For Seal Class B, Add* | *31.63* | |
| | | *For Seal Class A, Add* | *67.47* | |
| | | *For Work In Restricted Working Space, Add* | *63.25* | |
| 23 31 13 13-0411 | LF | 24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 255.67 | 130.22 |
| | | *For Seal Class B, Add* | *32.56* | |
| | | *For Seal Class A, Add* | *69.45* | |
| | | *For Work In Restricted Working Space, Add* | *65.11* | |
| 23 31 13 13-0412 | LF | 24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 262.97 | 133.95 |
| | | *For Seal Class B, Add* | *33.49* | |
| | | *For Seal Class A, Add* | *71.44* | |
| | | *For Work In Restricted Working Space, Add* | *66.97* | |
| 23 31 13 13-0413 | LF | 26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 189.93 | 96.74 |
| | | *For Seal Class B, Add* | *24.18* | |
| | | *For Seal Class A, Add* | *51.59* | |
| | | *For Work In Restricted Working Space, Add* | *48.37* | |
| 23 31 13 13-0414 | LF | 26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 197.24 | 100.47 |
| | | *For Seal Class B, Add* | *25.12* | |
| | | *For Seal Class A, Add* | *53.58* | |
| | | *For Work In Restricted Working Space, Add* | *50.23* | |
| 23 31 13 13-0415 | LF | 26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 204.53 | 104.17 |
| | | *For Seal Class B, Add* | *26.04* | |
| | | *For Seal Class A, Add* | *55.56* | |
| | | *For Work In Restricted Working Space, Add* | *52.09* | |
| 23 31 13 13-0416 | LF | 26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 211.84 | 107.90 |
| | | *For Seal Class B, Add* | *26.97* | |
| | | *For Seal Class A, Add* | *57.55* | |
| | | *For Work In Restricted Working Space, Add* | *53.95* | |
| 23 31 13 13-0417 | LF | 26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 219.16 | 111.63 |
| | | *For Seal Class B, Add* | *27.91* | |
| | | *For Seal Class A, Add* | *59.54* | |
| | | *For Work In Restricted Working Space, Add* | *55.82* | |
| 23 31 13 13-0418 | LF | 26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 226.46 | 115.34 |
| | | *For Seal Class B, Add* | *28.84* | |
| | | *For Seal Class A, Add* | *61.52* | |
| | | *For Work In Restricted Working Space, Add* | *57.67* | |
| 23 31 13 13-0419 | LF | 26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 233.76 | 119.07 |
| | | *For Seal Class B, Add* | *29.77* | |
| | | *For Seal Class A, Add* | *63.50* | |
| | | *For Work In Restricted Working Space, Add* | *59.53* | |
| 23 31 13 13-0420 | LF | 26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 241.06 | 122.79 |
| | | *For Seal Class B, Add* | *30.70* | |
| | | *For Seal Class A, Add* | *65.48* | |
| | | *For Work In Restricted Working Space, Add* | *61.39* | |
| 23 31 13 13-0421 | LF | 26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 248.37 | 126.51 |
| | | *For Seal Class B, Add* | *31.63* | |
| | | *For Seal Class A, Add* | *67.47* | |
| | | *For Work In Restricted Working Space, Add* | *63.25* | |
| 23 31 13 13-0422 | LF | 26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 255.67 | 130.22 |
| | | *For Seal Class B, Add* | *32.56* | |
| | | *For Seal Class A, Add* | *69.45* | |
| | | *For Work In Restricted Working Space, Add* | *65.11* | |
| 23 31 13 13-0423 | LF | 26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 262.97 | 133.95 |
| | | *For Seal Class B, Add* | *33.49* | |
| | | *For Seal Class A, Add* | *71.44* | |
| | | *For Work In Restricted Working Space, Add* | *66.97* | |
| 23 31 13 13-0424 | LF | 26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 270.29 | 137.67 |
| | | *For Seal Class B, Add* | *34.42* | |
| | | *For Seal Class A, Add* | *73.42* | |
| | | *For Work In Restricted Working Space, Add* | *68.84* | |
| 23 31 13 13-0425 | LF | 28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 204.53 | 104.17 |
| | | *For Seal Class B, Add* | *26.04* | |
| | | *For Seal Class A, Add* | *55.56* | |
| | | *For Work In Restricted Working Space, Add* | *52.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0426 | LF | 28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 211.84 | 107.90 |
| | | *For Seal Class B, Add* | *26.97* | |
| | | *For Seal Class A, Add* | *57.55* | |
| | | *For Work In Restricted Working Space, Add* | *53.95* | |
| 23 31 13 13-0427 | LF | 28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 219.16 | 111.63 |
| | | *For Seal Class B, Add* | *27.91* | |
| | | *For Seal Class A, Add* | *59.54* | |
| | | *For Work In Restricted Working Space, Add* | *55.82* | |
| 23 31 13 13-0428 | LF | 28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 226.46 | 115.34 |
| | | *For Seal Class B, Add* | *28.84* | |
| | | *For Seal Class A, Add* | *61.52* | |
| | | *For Work In Restricted Working Space, Add* | *57.67* | |
| 23 31 13 13-0429 | LF | 28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 233.76 | 119.07 |
| | | *For Seal Class B, Add* | *29.77* | |
| | | *For Seal Class A, Add* | *63.50* | |
| | | *For Work In Restricted Working Space, Add* | *59.53* | |
| 23 31 13 13-0430 | LF | 28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 241.06 | 122.79 |
| | | *For Seal Class B, Add* | *30.70* | |
| | | *For Seal Class A, Add* | *65.48* | |
| | | *For Work In Restricted Working Space, Add* | *61.39* | |
| 23 31 13 13-0431 | LF | 28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 248.37 | 126.51 |
| | | *For Seal Class B, Add* | *31.63* | |
| | | *For Seal Class A, Add* | *67.47* | |
| | | *For Work In Restricted Working Space, Add* | *63.25* | |
| 23 31 13 13-0432 | LF | 28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 255.67 | 130.22 |
| | | *For Seal Class B, Add* | *32.56* | |
| | | *For Seal Class A, Add* | *69.45* | |
| | | *For Work In Restricted Working Space, Add* | *65.11* | |
| 23 31 13 13-0433 | LF | 28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 262.97 | 133.95 |
| | | *For Seal Class B, Add* | *33.49* | |
| | | *For Seal Class A, Add* | *71.44* | |
| | | *For Work In Restricted Working Space, Add* | *66.97* | |
| 23 31 13 13-0434 | LF | 28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 270.29 | 137.67 |
| | | *For Seal Class B, Add* | *34.42* | |
| | | *For Seal Class A, Add* | *73.42* | |
| | | *For Work In Restricted Working Space, Add* | *68.84* | |
| 23 31 13 13-0435 | LF | 28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 277.60 | 141.39 |
| | | *For Seal Class B, Add* | *35.35* | |
| | | *For Seal Class A, Add* | *75.41* | |
| | | *For Work In Restricted Working Space, Add* | *70.70* | |
| 23 31 13 13-0436 | LF | 30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 219.16 | 111.63 |
| | | *For Seal Class B, Add* | *27.91* | |
| | | *For Seal Class A, Add* | *59.54* | |
| | | *For Work In Restricted Working Space, Add* | *55.82* | |
| 23 31 13 13-0437 | LF | 30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 226.46 | 115.34 |
| | | *For Seal Class B, Add* | *28.84* | |
| | | *For Seal Class A, Add* | *61.52* | |
| | | *For Work In Restricted Working Space, Add* | *57.67* | |
| 23 31 13 13-0438 | LF | 30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 233.76 | 119.07 |
| | | *For Seal Class B, Add* | *29.77* | |
| | | *For Seal Class A, Add* | *63.50* | |
| | | *For Work In Restricted Working Space, Add* | *59.53* | |
| 23 31 13 13-0439 | LF | 30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 241.06 | 122.79 |
| | | *For Seal Class B, Add* | *30.70* | |
| | | *For Seal Class A, Add* | *65.48* | |
| | | *For Work In Restricted Working Space, Add* | *61.39* | |
| 23 31 13 13-0440 | LF | 30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 248.37 | 126.51 |
| | | *For Seal Class B, Add* | *31.63* | |
| | | *For Seal Class A, Add* | *67.47* | |
| | | *For Work In Restricted Working Space, Add* | *63.25* | |
| 23 31 13 13-0441 | LF | 30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 255.67 | 130.22 |
| | | *For Seal Class B, Add* | *32.56* | |
| | | *For Seal Class A, Add* | *69.45* | |
| | | *For Work In Restricted Working Space, Add* | *65.11* | |
| 23 31 13 13-0442 | LF | 30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 262.97 | 133.95 |
| | | *For Seal Class B, Add* | *33.49* | |
| | | *For Seal Class A, Add* | *71.44* | |
| | | *For Work In Restricted Working Space, Add* | *66.97* | |
| 23 31 13 13-0443 | LF | 30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 270.29 | 137.67 |
| | | *For Seal Class B, Add* | *34.42* | |
| | | *For Seal Class A, Add* | *73.42* | |
| | | *For Work In Restricted Working Space, Add* | *68.84* | |
| 23 31 13 13-0444 | LF | 30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 277.60 | 141.39 |
| | | *For Seal Class B, Add* | *35.35* | |
| | | *For Seal Class A, Add* | *75.41* | |
| | | *For Work In Restricted Working Space, Add* | *70.70* | |
| 23 31 13 13-0445 | LF | 30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 284.90 | 145.11 |
| | | *For Seal Class B, Add* | *36.28* | |
| | | *For Seal Class A, Add* | *77.39* | |
| | | *For Work In Restricted Working Space, Add* | *72.56* | |
| 23 31 13 13-0446 | LF | 32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 233.76 | 119.07 |
| | | *For Seal Class B, Add* | *29.77* | |
| | | *For Seal Class A, Add* | *63.50* | |
| | | *For Work In Restricted Working Space, Add* | *59.53* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0447 | LF | 32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 241.06 | 122.79 |
| | | *For Seal Class B, Add* | *30.70* | |
| | | *For Seal Class A, Add* | *65.48* | |
| | | *For Work In Restricted Working Space, Add* | *61.39* | |
| 23 31 13 13-0448 | LF | 32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 248.37 | 126.51 |
| | | *For Seal Class B, Add* | *31.63* | |
| | | *For Seal Class A, Add* | *67.47* | |
| | | *For Work In Restricted Working Space, Add* | *63.25* | |
| 23 31 13 13-0449 | LF | 32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 255.67 | 130.22 |
| | | *For Seal Class B, Add* | *32.56* | |
| | | *For Seal Class A, Add* | *69.45* | |
| | | *For Work In Restricted Working Space, Add* | *65.11* | |
| 23 31 13 13-0450 | LF | 32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 262.97 | 133.95 |
| | | *For Seal Class B, Add* | *33.49* | |
| | | *For Seal Class A, Add* | *71.44* | |
| | | *For Work In Restricted Working Space, Add* | *66.97* | |
| 23 31 13 13-0451 | LF | 32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 270.29 | 137.67 |
| | | *For Seal Class B, Add* | *34.42* | |
| | | *For Seal Class A, Add* | *73.42* | |
| | | *For Work In Restricted Working Space, Add* | *68.84* | |
| 23 31 13 13-0452 | LF | 32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 277.60 | 141.39 |
| | | *For Seal Class B, Add* | *35.35* | |
| | | *For Seal Class A, Add* | *75.41* | |
| | | *For Work In Restricted Working Space, Add* | *70.70* | |
| 23 31 13 13-0453 | LF | 32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 284.90 | 145.11 |
| | | *For Seal Class B, Add* | *36.28* | |
| | | *For Seal Class A, Add* | *77.39* | |
| | | *For Work In Restricted Working Space, Add* | *72.56* | |
| 23 31 13 13-0454 | LF | 32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.20 | 148.83 |
| | | *For Seal Class B, Add* | *37.21* | |
| | | *For Seal Class A, Add* | *79.38* | |
| | | *For Work In Restricted Working Space, Add* | *74.42* | |
| 23 31 13 13-0455 | LF | 34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 248.37 | 126.51 |
| | | *For Seal Class B, Add* | *31.63* | |
| | | *For Seal Class A, Add* | *67.47* | |
| | | *For Work In Restricted Working Space, Add* | *63.25* | |
| 23 31 13 13-0456 | LF | 34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 255.67 | 130.22 |
| | | *For Seal Class B, Add* | *32.56* | |
| | | *For Seal Class A, Add* | *69.45* | |
| | | *For Work In Restricted Working Space, Add* | *65.11* | |
| 23 31 13 13-0457 | LF | 34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 262.97 | 133.95 |
| | | *For Seal Class B, Add* | *33.49* | |
| | | *For Seal Class A, Add* | *71.44* | |
| | | *For Work In Restricted Working Space, Add* | *66.97* | |
| 23 31 13 13-0458 | LF | 34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 270.29 | 137.67 |
| | | *For Seal Class B, Add* | *34.42* | |
| | | *For Seal Class A, Add* | *73.42* | |
| | | *For Work In Restricted Working Space, Add* | *68.84* | |
| 23 31 13 13-0459 | LF | 34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 277.60 | 141.39 |
| | | *For Seal Class B, Add* | *35.35* | |
| | | *For Seal Class A, Add* | *75.41* | |
| | | *For Work In Restricted Working Space, Add* | *70.70* | |
| 23 31 13 13-0460 | LF | 34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 284.90 | 145.11 |
| | | *For Seal Class B, Add* | *36.28* | |
| | | *For Seal Class A, Add* | *77.39* | |
| | | *For Work In Restricted Working Space, Add* | *72.56* | |
| 23 31 13 13-0461 | LF | 34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.20 | 148.83 |
| | | *For Seal Class B, Add* | *37.21* | |
| | | *For Seal Class A, Add* | *79.38* | |
| | | *For Work In Restricted Working Space, Add* | *74.42* | |
| 23 31 13 13-0462 | LF | 34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 299.50 | 152.54 |
| | | *For Seal Class B, Add* | *38.14* | |
| | | *For Seal Class A, Add* | *81.36* | |
| | | *For Work In Restricted Working Space, Add* | *76.28* | |
| 23 31 13 13-0463 | LF | 36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 262.97 | 133.95 |
| | | *For Seal Class B, Add* | *33.49* | |
| | | *For Seal Class A, Add* | *71.44* | |
| | | *For Work In Restricted Working Space, Add* | *66.97* | |
| 23 31 13 13-0464 | LF | 36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 270.29 | 137.67 |
| | | *For Seal Class B, Add* | *34.42* | |
| | | *For Seal Class A, Add* | *73.42* | |
| | | *For Work In Restricted Working Space, Add* | *68.84* | |
| 23 31 13 13-0465 | LF | 36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 277.60 | 141.39 |
| | | *For Seal Class B, Add* | *35.35* | |
| | | *For Seal Class A, Add* | *75.41* | |
| | | *For Work In Restricted Working Space, Add* | *70.70* | |
| 23 31 13 13-0466 | LF | 36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 284.90 | 145.11 |
| | | *For Seal Class B, Add* | *36.28* | |
| | | *For Seal Class A, Add* | *77.39* | |
| | | *For Work In Restricted Working Space, Add* | *72.56* | |
| 23 31 13 13-0467 | LF | 36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.20 | 148.83 |
| | | *For Seal Class B, Add* | *37.21* | |
| | | *For Seal Class A, Add* | *79.38* | |
| | | *For Work In Restricted Working Space, Add* | *74.42* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0468 | LF | 36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 299.50 | 152.54 |
| | | *For Seal Class B, Add* | *38.14* | |
| | | *For Seal Class A, Add* | *81.36* | |
| | | *For Work In Restricted Working Space, Add* | *76.28* | |
| 23 31 13 13-0469 | LF | 36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 306.80 | 156.27 |
| | | *For Seal Class B, Add* | *39.07* | |
| | | *For Seal Class A, Add* | *83.34* | |
| | | *For Work In Restricted Working Space, Add* | *78.13* | |
| 23 31 13 13-0470 | LF | 38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 277.60 | 141.39 |
| | | *For Seal Class B, Add* | *35.35* | |
| | | *For Seal Class A, Add* | *75.41* | |
| | | *For Work In Restricted Working Space, Add* | *70.70* | |
| 23 31 13 13-0471 | LF | 38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 284.90 | 145.11 |
| | | *For Seal Class B, Add* | *36.28* | |
| | | *For Seal Class A, Add* | *77.39* | |
| | | *For Work In Restricted Working Space, Add* | *72.56* | |
| 23 31 13 13-0472 | LF | 38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.20 | 148.83 |
| | | *For Seal Class B, Add* | *37.21* | |
| | | *For Seal Class A, Add* | *79.38* | |
| | | *For Work In Restricted Working Space, Add* | *74.42* | |
| 23 31 13 13-0473 | LF | 38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 299.50 | 152.54 |
| | | *For Seal Class B, Add* | *38.14* | |
| | | *For Seal Class A, Add* | *81.36* | |
| | | *For Work In Restricted Working Space, Add* | *76.28* | |
| 23 31 13 13-0474 | LF | 38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 306.80 | 156.27 |
| | | *For Seal Class B, Add* | *39.07* | |
| | | *For Seal Class A, Add* | *83.34* | |
| | | *For Work In Restricted Working Space, Add* | *78.13* | |
| 23 31 13 13-0475 | LF | 38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 314.12 | 160.00 |
| | | *For Seal Class B, Add* | *40.00* | |
| | | *For Seal Class A, Add* | *85.33* | |
| | | *For Work In Restricted Working Space, Add* | *80.00* | |
| 23 31 13 13-0476 | LF | 38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 321.42 | 163.71 |
| | | *For Seal Class B, Add* | *40.93* | |
| | | *For Seal Class A, Add* | *87.32* | |
| | | *For Work In Restricted Working Space, Add* | *81.86* | |
| 23 31 13 13-0477 | LF | 40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.20 | 148.83 |
| | | *For Seal Class B, Add* | *37.21* | |
| | | *For Seal Class A, Add* | *79.38* | |
| | | *For Work In Restricted Working Space, Add* | *74.42* | |
| 23 31 13 13-0478 | LF | 40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 299.50 | 152.54 |
| | | *For Seal Class B, Add* | *38.14* | |
| | | *For Seal Class A, Add* | *81.36* | |
| | | *For Work In Restricted Working Space, Add* | *76.28* | |
| 23 31 13 13-0479 | LF | 40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 306.80 | 156.27 |
| | | *For Seal Class B, Add* | *39.07* | |
| | | *For Seal Class A, Add* | *83.34* | |
| | | *For Work In Restricted Working Space, Add* | *78.13* | |
| 23 31 13 13-0480 | LF | 40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 314.12 | 160.00 |
| | | *For Seal Class B, Add* | *40.00* | |
| | | *For Seal Class A, Add* | *85.33* | |
| | | *For Work In Restricted Working Space, Add* | *80.00* | |
| 23 31 13 13-0481 | LF | 40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 321.42 | 163.71 |
| | | *For Seal Class B, Add* | *40.93* | |
| | | *For Seal Class A, Add* | *87.32* | |
| | | *For Work In Restricted Working Space, Add* | *81.86* | |
| 23 31 13 13-0482 | LF | 40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 328.73 | 167.44 |
| | | *For Seal Class B, Add* | *41.86* | |
| | | *For Seal Class A, Add* | *89.30* | |
| | | *For Work In Restricted Working Space, Add* | *83.72* | |
| 23 31 13 13-0483 | LF | 40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 336.02 | 171.15 |
| | | *For Seal Class B, Add* | *42.79* | |
| | | *For Seal Class A, Add* | *91.28* | |
| | | *For Work In Restricted Working Space, Add* | *85.58* | |
| 23 31 13 13-0484 | LF | 40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 343.34 | 174.87 |
| | | *For Seal Class B, Add* | *43.72* | |
| | | *For Seal Class A, Add* | *93.27* | |
| | | *For Work In Restricted Working Space, Add* | *87.44* | |
| 23 31 13 13-0485 | LF | 42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 306.80 | 156.27 |
| | | *For Seal Class B, Add* | *39.07* | |
| | | *For Seal Class A, Add* | *83.34* | |
| | | *For Work In Restricted Working Space, Add* | *78.13* | |
| 23 31 13 13-0486 | LF | 42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 314.12 | 160.00 |
| | | *For Seal Class B, Add* | *40.00* | |
| | | *For Seal Class A, Add* | *85.33* | |
| | | *For Work In Restricted Working Space, Add* | *80.00* | |
| 23 31 13 13-0487 | LF | 42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 321.42 | 163.71 |
| | | *For Seal Class B, Add* | *40.93* | |
| | | *For Seal Class A, Add* | *87.32* | |
| | | *For Work In Restricted Working Space, Add* | *81.86* | |
| 23 31 13 13-0488 | LF | 42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 328.73 | 167.44 |
| | | *For Seal Class B, Add* | *41.86* | |
| | | *For Seal Class A, Add* | *89.30* | |
| | | *For Work In Restricted Working Space, Add* | *83.72* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0489 | LF | 42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 336.02 | 171.15 |
| | | *For Seal Class B, Add* | *42.79* | |
| | | *For Seal Class A, Add* | *91.28* | |
| | | *For Work In Restricted Working Space, Add* | *85.58* | |
| 23 31 13 13-0490 | LF | 42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 343.34 | 174.87 |
| | | *For Seal Class B, Add* | *43.72* | |
| | | *For Seal Class A, Add* | *93.27* | |
| | | *For Work In Restricted Working Space, Add* | *87.44* | |
| 23 31 13 13-0491 | LF | 42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 350.64 | 178.59 |
| | | *For Seal Class B, Add* | *44.65* | |
| | | *For Seal Class A, Add* | *95.25* | |
| | | *For Work In Restricted Working Space, Add* | *89.30* | |
| 23 31 13 13-0492 | LF | 44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 321.42 | 163.71 |
| | | *For Seal Class B, Add* | *40.93* | |
| | | *For Seal Class A, Add* | *87.32* | |
| | | *For Work In Restricted Working Space, Add* | *81.86* | |
| 23 31 13 13-0493 | LF | 44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 328.73 | 167.44 |
| | | *For Seal Class B, Add* | *41.86* | |
| | | *For Seal Class A, Add* | *89.30* | |
| | | *For Work In Restricted Working Space, Add* | *83.72* | |
| 23 31 13 13-0494 | LF | 44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 336.02 | 171.15 |
| | | *For Seal Class B, Add* | *42.79* | |
| | | *For Seal Class A, Add* | *91.28* | |
| | | *For Work In Restricted Working Space, Add* | *85.58* | |
| 23 31 13 13-0495 | LF | 44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 343.34 | 174.87 |
| | | *For Seal Class B, Add* | *43.72* | |
| | | *For Seal Class A, Add* | *93.27* | |
| | | *For Work In Restricted Working Space, Add* | *87.44* | |
| 23 31 13 13-0496 | LF | 44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 350.64 | 178.59 |
| | | *For Seal Class B, Add* | *44.65* | |
| | | *For Seal Class A, Add* | *95.25* | |
| | | *For Work In Restricted Working Space, Add* | *89.30* | |
| 23 31 13 13-0497 | LF | 44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 357.93 | 182.32 |
| | | *For Seal Class B, Add* | *45.58* | |
| | | *For Seal Class A, Add* | *97.23* | |
| | | *For Work In Restricted Working Space, Add* | *91.16* | |
| 23 31 13 13-0498 | LF | 46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 336.02 | 171.15 |
| | | *For Seal Class B, Add* | *42.79* | |
| | | *For Seal Class A, Add* | *91.28* | |
| | | *For Work In Restricted Working Space, Add* | *85.58* | |
| 23 31 13 13-0499 | LF | 46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 343.34 | 174.87 |
| | | *For Seal Class B, Add* | *43.72* | |
| | | *For Seal Class A, Add* | *93.27* | |
| | | *For Work In Restricted Working Space, Add* | *87.44* | |
| 23 31 13 13-0500 | LF | 46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 350.64 | 178.59 |
| | | *For Seal Class B, Add* | *44.65* | |
| | | *For Seal Class A, Add* | *95.25* | |
| | | *For Work In Restricted Working Space, Add* | *89.30* | |
| 23 31 13 13-0501 | LF | 46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 357.93 | 182.32 |
| | | *For Seal Class B, Add* | *45.58* | |
| | | *For Seal Class A, Add* | *97.23* | |
| | | *For Work In Restricted Working Space, Add* | *91.16* | |
| 23 31 13 13-0502 | LF | 46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 365.26 | 186.05 |
| | | *For Seal Class B, Add* | *46.51* | |
| | | *For Seal Class A, Add* | *99.22* | |
| | | *For Work In Restricted Working Space, Add* | *93.02* | |
| 23 31 13 13-0503 | LF | 48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 350.64 | 178.59 |
| | | *For Seal Class B, Add* | *44.65* | |
| | | *For Seal Class A, Add* | *95.25* | |
| | | *For Work In Restricted Working Space, Add* | *89.30* | |
| 23 31 13 13-0504 | LF | 48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 357.93 | 182.32 |
| | | *For Seal Class B, Add* | *45.58* | |
| | | *For Seal Class A, Add* | *97.23* | |
| | | *For Work In Restricted Working Space, Add* | *91.16* | |
| 23 31 13 13-0505 | LF | 48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 365.26 | 186.05 |
| | | *For Seal Class B, Add* | *46.51* | |
| | | *For Seal Class A, Add* | *99.22* | |
| | | *For Work In Restricted Working Space, Add* | *93.02* | |
| 23 31 13 13-0506 | LF | 48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 372.56 | 189.76 |
| | | *For Seal Class B, Add* | *47.44* | |
| | | *For Seal Class A, Add* | *101.21* | |
| | | *For Work In Restricted Working Space, Add* | *94.88* | |
| 23 31 13 13-0507 | LF | 50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 365.26 | 186.05 |
| | | *For Seal Class B, Add* | *46.51* | |
| | | *For Seal Class A, Add* | *99.22* | |
| | | *For Work In Restricted Working Space, Add* | *93.02* | |
| 23 31 13 13-0508 | LF | 50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 372.56 | 189.76 |
| | | *For Seal Class B, Add* | *47.44* | |
| | | *For Seal Class A, Add* | *101.21* | |
| | | *For Work In Restricted Working Space, Add* | *94.88* | |
| 23 31 13 13-0509 | LF | 50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 379.86 | 193.48 |
| | | *For Seal Class B, Add* | *48.37* | |
| | | *For Seal Class A, Add* | *103.19* | |
| | | *For Work In Restricted Working Space, Add* | *96.74* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0510 | LF | 52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 379.86 | 193.48 |
| | | *For Seal Class B, Add* | *48.37* | |
| | | *For Seal Class A, Add* | *103.19* | |
| | | *For Work In Restricted Working Space, Add* | *96.74* | |
| 23 31 13 13-0511 | LF | 52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 387.16 | 197.20 |
| | | *For Seal Class B, Add* | *49.30* | |
| | | *For Seal Class A, Add* | *105.17* | |
| | | *For Work In Restricted Working Space, Add* | *98.60* | |
| 23 31 13 13-0512 | LF | 54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 394.46 | 200.92 |
| | | *For Seal Class B, Add* | *50.23* | |
| | | *For Seal Class A, Add* | *107.16* | |
| | | *For Work In Restricted Working Space, Add* | *100.46* | |

## 23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

| | | | | |
|---|---|---|---|---|
| 23 31 13 13-0514 | LF | 4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 34.41 | 17.53 |
| | | *For Seal Class B, Add* | *4.38* | |
| | | *For Seal Class A, Add* | *9.35* | |
| | | *For Work In Restricted Working Space, Add* | *8.77* | |
| 23 31 13 13-0515 | LF | 4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 43.02 | 21.91 |
| | | *For Seal Class B, Add* | *5.48* | |
| | | *For Seal Class A, Add* | *11.69* | |
| | | *For Work In Restricted Working Space, Add* | *10.96* | |
| 23 31 13 13-0516 | LF | 4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 51.63 | 26.29 |
| | | *For Seal Class B, Add* | *6.57* | |
| | | *For Seal Class A, Add* | *14.02* | |
| | | *For Work In Restricted Working Space, Add* | *13.15* | |
| 23 31 13 13-0517 | LF | 4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 60.22 | 30.67 |
| | | *For Seal Class B, Add* | *7.67* | |
| | | *For Seal Class A, Add* | *16.36* | |
| | | *For Work In Restricted Working Space, Add* | *15.34* | |
| 23 31 13 13-0518 | LF | 4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 68.83 | 35.06 |
| | | *For Seal Class B, Add* | *8.76* | |
| | | *For Seal Class A, Add* | *18.70* | |
| | | *For Work In Restricted Working Space, Add* | *17.53* | |
| 23 31 13 13-0519 | LF | 4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 77.44 | 39.44 |
| | | *For Seal Class B, Add* | *9.86* | |
| | | *For Seal Class A, Add* | *21.03* | |
| | | *For Work In Restricted Working Space, Add* | *19.72* | |
| 23 31 13 13-0520 | LF | 4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 86.05 | 43.82 |
| | | *For Seal Class B, Add* | *10.96* | |
| | | *For Seal Class A, Add* | *23.38* | |
| | | *For Work In Restricted Working Space, Add* | *21.92* | |
| 23 31 13 13-0521 | LF | 6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 51.63 | 26.29 |
| | | *For Seal Class B, Add* | *6.57* | |
| | | *For Seal Class A, Add* | *14.02* | |
| | | *For Work In Restricted Working Space, Add* | *13.15* | |
| 23 31 13 13-0522 | LF | 6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 60.22 | 30.67 |
| | | *For Seal Class B, Add* | *7.67* | |
| | | *For Seal Class A, Add* | *16.36* | |
| | | *For Work In Restricted Working Space, Add* | *15.34* | |
| 23 31 13 13-0523 | LF | 6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 68.83 | 35.06 |
| | | *For Seal Class B, Add* | *8.76* | |
| | | *For Seal Class A, Add* | *18.70* | |
| | | *For Work In Restricted Working Space, Add* | *17.53* | |
| 23 31 13 13-0524 | LF | 6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 77.44 | 39.44 |
| | | *For Seal Class B, Add* | *9.86* | |
| | | *For Seal Class A, Add* | *21.03* | |
| | | *For Work In Restricted Working Space, Add* | *19.72* | |
| 23 31 13 13-0525 | LF | 6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 86.05 | 43.82 |
| | | *For Seal Class B, Add* | *10.96* | |
| | | *For Seal Class A, Add* | *23.38* | |
| | | *For Work In Restricted Working Space, Add* | *21.92* | |
| 23 31 13 13-0526 | LF | 6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 94.65 | 48.20 |
| | | *For Seal Class B, Add* | *12.05* | |
| | | *For Seal Class A, Add* | *25.71* | |
| | | *For Work In Restricted Working Space, Add* | *24.10* | |
| 23 31 13 13-0527 | LF | 8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 68.83 | 35.06 |
| | | *For Seal Class B, Add* | *8.76* | |
| | | *For Seal Class A, Add* | *18.70* | |
| | | *For Work In Restricted Working Space, Add* | *17.53* | |
| 23 31 13 13-0528 | LF | 8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 77.44 | 39.44 |
| | | *For Seal Class B, Add* | *9.86* | |
| | | *For Seal Class A, Add* | *21.03* | |
| | | *For Work In Restricted Working Space, Add* | *19.72* | |
| 23 31 13 13-0529 | LF | 8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 86.05 | 43.82 |
| | | *For Seal Class B, Add* | *10.96* | |
| | | *For Seal Class A, Add* | *23.38* | |
| | | *For Work In Restricted Working Space, Add* | *21.92* | |
| 23 31 13 13-0530 | LF | 8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 94.65 | 48.20 |
| | | *For Seal Class B, Add* | *12.05* | |
| | | *For Seal Class A, Add* | *25.71* | |
| | | *For Work In Restricted Working Space, Add* | *24.10* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0531 | LF | 8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 103.24 | 52.59 |
| | | *For Seal Class B, Add* | *13.15* | |
| | | *For Seal Class A, Add* | *28.05* | |
| | | *For Work In Restricted Working Space, Add* | *26.30* | |
| 23 31 13 13-0532 | LF | 8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 111.85 | 56.96 |
| | | *For Seal Class B, Add* | *14.24* | |
| | | *For Seal Class A, Add* | *30.38* | |
| | | *For Work In Restricted Working Space, Add* | *28.49* | |
| 23 31 13 13-0533 | LF | 8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 120.46 | 61.36 |
| | | *For Seal Class B, Add* | *15.34* | |
| | | *For Seal Class A, Add* | *32.72* | |
| | | *For Work In Restricted Working Space, Add* | *30.68* | |
| 23 31 13 13-0534 | LF | 8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 129.04 | 65.73 |
| | | *For Seal Class B, Add* | *16.43* | |
| | | *For Seal Class A, Add* | *35.06* | |
| | | *For Work In Restricted Working Space, Add* | *32.87* | |
| 23 31 13 13-0535 | LF | 8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 137.66 | 70.11 |
| | | *For Seal Class B, Add* | *17.53* | |
| | | *For Seal Class A, Add* | *37.40* | |
| | | *For Work In Restricted Working Space, Add* | *35.06* | |
| 23 31 13 13-0536 | LF | 10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 86.05 | 43.82 |
| | | *For Seal Class B, Add* | *10.96* | |
| | | *For Seal Class A, Add* | *23.38* | |
| | | *For Work In Restricted Working Space, Add* | *21.92* | |
| 23 31 13 13-0537 | LF | 10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 94.65 | 48.20 |
| | | *For Seal Class B, Add* | *12.05* | |
| | | *For Seal Class A, Add* | *25.71* | |
| | | *For Work In Restricted Working Space, Add* | *24.10* | |
| 23 31 13 13-0538 | LF | 10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 103.24 | 52.59 |
| | | *For Seal Class B, Add* | *13.15* | |
| | | *For Seal Class A, Add* | *28.05* | |
| | | *For Work In Restricted Working Space, Add* | *26.30* | |
| 23 31 13 13-0539 | LF | 10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 111.85 | 56.96 |
| | | *For Seal Class B, Add* | *14.24* | |
| | | *For Seal Class A, Add* | *30.38* | |
| | | *For Work In Restricted Working Space, Add* | *28.49* | |
| 23 31 13 13-0540 | LF | 10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 120.46 | 61.36 |
| | | *For Seal Class B, Add* | *15.34* | |
| | | *For Seal Class A, Add* | *32.72* | |
| | | *For Work In Restricted Working Space, Add* | *30.68* | |
| 23 31 13 13-0541 | LF | 10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 129.04 | 65.73 |
| | | *For Seal Class B, Add* | *16.43* | |
| | | *For Seal Class A, Add* | *35.06* | |
| | | *For Work In Restricted Working Space, Add* | *32.87* | |
| 23 31 13 13-0542 | LF | 10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 137.66 | 70.11 |
| | | *For Seal Class B, Add* | *17.53* | |
| | | *For Seal Class A, Add* | *37.40* | |
| | | *For Work In Restricted Working Space, Add* | *35.06* | |
| 23 31 13 13-0543 | LF | 10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 146.28 | 74.50 |
| | | *For Seal Class B, Add* | *18.63* | |
| | | *For Seal Class A, Add* | *39.73* | |
| | | *For Work In Restricted Working Space, Add* | *37.25* | |
| 23 31 13 13-0544 | LF | 10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 154.87 | 78.88 |
| | | *For Seal Class B, Add* | *19.72* | |
| | | *For Seal Class A, Add* | *42.07* | |
| | | *For Work In Restricted Working Space, Add* | *39.44* | |
| 23 31 13 13-0545 | LF | 10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 163.49 | 83.26 |
| | | *For Seal Class B, Add* | *20.82* | |
| | | *For Seal Class A, Add* | *44.41* | |
| | | *For Work In Restricted Working Space, Add* | *41.63* | |
| 23 31 13 13-0546 | LF | 10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 172.06 | 87.65 |
| | | *For Seal Class B, Add* | *21.91* | |
| | | *For Seal Class A, Add* | *46.74* | |
| | | *For Work In Restricted Working Space, Add* | *43.82* | |
| 23 31 13 13-0547 | LF | 10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 180.68 | 92.02 |
| | | *For Seal Class B, Add* | *23.01* | |
| | | *For Seal Class A, Add* | *49.08* | |
| | | *For Work In Restricted Working Space, Add* | *46.01* | |
| 23 31 13 13-0548 | LF | 12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 103.24 | 52.59 |
| | | *For Seal Class B, Add* | *13.15* | |
| | | *For Seal Class A, Add* | *28.05* | |
| | | *For Work In Restricted Working Space, Add* | *26.30* | |
| 23 31 13 13-0549 | LF | 12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 111.85 | 56.96 |
| | | *For Seal Class B, Add* | *14.24* | |
| | | *For Seal Class A, Add* | *30.38* | |
| | | *For Work In Restricted Working Space, Add* | *28.49* | |
| 23 31 13 13-0550 | LF | 12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 120.46 | 61.36 |
| | | *For Seal Class B, Add* | *15.34* | |
| | | *For Seal Class A, Add* | *32.72* | |
| | | *For Work In Restricted Working Space, Add* | *30.68* | |
| 23 31 13 13-0551 | LF | 12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 129.04 | 65.73 |
| | | *For Seal Class B, Add* | *16.43* | |
| | | *For Seal Class A, Add* | *35.06* | |
| | | *For Work In Restricted Working Space, Add* | *32.87* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0552 | LF | 12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 137.66 | 70.11 |
| | | *For Seal Class B, Add* | *17.53* | |
| | | *For Seal Class A, Add* | *37.40* | |
| | | *For Work In Restricted Working Space, Add* | *35.06* | |
| 23 31 13 13-0553 | LF | 12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 146.28 | 74.50 |
| | | *For Seal Class B, Add* | *18.63* | |
| | | *For Seal Class A, Add* | *39.73* | |
| | | *For Work In Restricted Working Space, Add* | *37.25* | |
| 23 31 13 13-0554 | LF | 12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 154.87 | 78.88 |
| | | *For Seal Class B, Add* | *19.72* | |
| | | *For Seal Class A, Add* | *42.07* | |
| | | *For Work In Restricted Working Space, Add* | *39.44* | |
| 23 31 13 13-0555 | LF | 12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 163.49 | 83.26 |
| | | *For Seal Class B, Add* | *20.82* | |
| | | *For Seal Class A, Add* | *44.41* | |
| | | *For Work In Restricted Working Space, Add* | *41.63* | |
| 23 31 13 13-0556 | LF | 12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 172.06 | 87.65 |
| | | *For Seal Class B, Add* | *21.91* | |
| | | *For Seal Class A, Add* | *46.74* | |
| | | *For Work In Restricted Working Space, Add* | *43.82* | |
| 23 31 13 13-0557 | LF | 12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 180.68 | 92.02 |
| | | *For Seal Class B, Add* | *23.01* | |
| | | *For Seal Class A, Add* | *49.08* | |
| | | *For Work In Restricted Working Space, Add* | *46.01* | |
| 23 31 13 13-0558 | LF | 12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 189.29 | 96.41 |
| | | *For Seal Class B, Add* | *24.10* | |
| | | *For Seal Class A, Add* | *51.42* | |
| | | *For Work In Restricted Working Space, Add* | *48.20* | |
| 23 31 13 13-0559 | LF | 12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 197.87 | 100.79 |
| | | *For Seal Class B, Add* | *25.20* | |
| | | *For Seal Class A, Add* | *53.75* | |
| | | *For Work In Restricted Working Space, Add* | *50.39* | |
| 23 31 13 13-0560 | LF | 12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 206.50 | 105.18 |
| | | *For Seal Class B, Add* | *26.30* | |
| | | *For Seal Class A, Add* | *56.10* | |
| | | *For Work In Restricted Working Space, Add* | *52.59* | |
| 23 31 13 13-0561 | LF | 14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 120.46 | 61.36 |
| | | *For Seal Class B, Add* | *15.34* | |
| | | *For Seal Class A, Add* | *32.72* | |
| | | *For Work In Restricted Working Space, Add* | *30.68* | |
| 23 31 13 13-0562 | LF | 14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 129.04 | 65.73 |
| | | *For Seal Class B, Add* | *16.43* | |
| | | *For Seal Class A, Add* | *35.06* | |
| | | *For Work In Restricted Working Space, Add* | *32.87* | |
| 23 31 13 13-0563 | LF | 14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 137.66 | 70.11 |
| | | *For Seal Class B, Add* | *17.53* | |
| | | *For Seal Class A, Add* | *37.40* | |
| | | *For Work In Restricted Working Space, Add* | *35.06* | |
| 23 31 13 13-0564 | LF | 14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 146.28 | 74.50 |
| | | *For Seal Class B, Add* | *18.63* | |
| | | *For Seal Class A, Add* | *39.73* | |
| | | *For Work In Restricted Working Space, Add* | *37.25* | |
| 23 31 13 13-0565 | LF | 14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 154.87 | 78.88 |
| | | *For Seal Class B, Add* | *19.72* | |
| | | *For Seal Class A, Add* | *42.07* | |
| | | *For Work In Restricted Working Space, Add* | *39.44* | |
| 23 31 13 13-0566 | LF | 14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 163.49 | 83.26 |
| | | *For Seal Class B, Add* | *20.82* | |
| | | *For Seal Class A, Add* | *44.41* | |
| | | *For Work In Restricted Working Space, Add* | *41.63* | |
| 23 31 13 13-0567 | LF | 14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 172.06 | 87.65 |
| | | *For Seal Class B, Add* | *21.91* | |
| | | *For Seal Class A, Add* | *46.74* | |
| | | *For Work In Restricted Working Space, Add* | *43.82* | |
| 23 31 13 13-0568 | LF | 14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 180.68 | 92.02 |
| | | *For Seal Class B, Add* | *23.01* | |
| | | *For Seal Class A, Add* | *49.08* | |
| | | *For Work In Restricted Working Space, Add* | *46.01* | |
| 23 31 13 13-0569 | LF | 14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 189.29 | 96.41 |
| | | *For Seal Class B, Add* | *24.10* | |
| | | *For Seal Class A, Add* | *51.42* | |
| | | *For Work In Restricted Working Space, Add* | *48.20* | |
| 23 31 13 13-0570 | LF | 14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 197.87 | 100.79 |
| | | *For Seal Class B, Add* | *25.20* | |
| | | *For Seal Class A, Add* | *53.75* | |
| | | *For Work In Restricted Working Space, Add* | *50.39* | |
| 23 31 13 13-0571 | LF | 14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 206.50 | 105.18 |
| | | *For Seal Class B, Add* | *26.30* | |
| | | *For Seal Class A, Add* | *56.10* | |
| | | *For Work In Restricted Working Space, Add* | *52.59* | |
| 23 31 13 13-0572 | LF | 14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 215.09 | 109.55 |
| | | *For Seal Class B, Add* | *27.39* | |
| | | *For Seal Class A, Add* | *58.43* | |
| | | *For Work In Restricted Working Space, Add* | *54.78* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0573 | LF | 16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 137.66 | 70.11 |
| | | *For Seal Class B, Add* | *17.53* | |
| | | *For Seal Class A, Add* | *37.40* | |
| | | *For Work In Restricted Working Space, Add* | *35.06* | |
| 23 31 13 13-0574 | LF | 16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 146.28 | 74.50 |
| | | *For Seal Class B, Add* | *18.63* | |
| | | *For Seal Class A, Add* | *39.73* | |
| | | *For Work In Restricted Working Space, Add* | *37.25* | |
| 23 31 13 13-0575 | LF | 16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 154.87 | 78.88 |
| | | *For Seal Class B, Add* | *19.72* | |
| | | *For Seal Class A, Add* | *42.07* | |
| | | *For Work In Restricted Working Space, Add* | *39.44* | |
| 23 31 13 13-0576 | LF | 16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 163.49 | 83.26 |
| | | *For Seal Class B, Add* | *20.82* | |
| | | *For Seal Class A, Add* | *44.41* | |
| | | *For Work In Restricted Working Space, Add* | *41.63* | |
| 23 31 13 13-0577 | LF | 16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 172.06 | 87.65 |
| | | *For Seal Class B, Add* | *21.91* | |
| | | *For Seal Class A, Add* | *46.74* | |
| | | *For Work In Restricted Working Space, Add* | *43.82* | |
| 23 31 13 13-0578 | LF | 16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 180.68 | 92.02 |
| | | *For Seal Class B, Add* | *23.01* | |
| | | *For Seal Class A, Add* | *49.08* | |
| | | *For Work In Restricted Working Space, Add* | *46.01* | |
| 23 31 13 13-0579 | LF | 16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 189.29 | 96.41 |
| | | *For Seal Class B, Add* | *24.10* | |
| | | *For Seal Class A, Add* | *51.42* | |
| | | *For Work In Restricted Working Space, Add* | *48.20* | |
| 23 31 13 13-0580 | LF | 16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 197.87 | 100.79 |
| | | *For Seal Class B, Add* | *25.20* | |
| | | *For Seal Class A, Add* | *53.75* | |
| | | *For Work In Restricted Working Space, Add* | *50.39* | |
| 23 31 13 13-0581 | LF | 16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 206.50 | 105.18 |
| | | *For Seal Class B, Add* | *26.30* | |
| | | *For Seal Class A, Add* | *56.10* | |
| | | *For Work In Restricted Working Space, Add* | *52.59* | |
| 23 31 13 13-0582 | LF | 16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 215.09 | 109.55 |
| | | *For Seal Class B, Add* | *27.39* | |
| | | *For Seal Class A, Add* | *58.43* | |
| | | *For Work In Restricted Working Space, Add* | *54.78* | |
| 23 31 13 13-0583 | LF | 16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 223.71 | 113.95 |
| | | *For Seal Class B, Add* | *28.49* | |
| | | *For Seal Class A, Add* | *60.77* | |
| | | *For Work In Restricted Working Space, Add* | *56.97* | |
| 23 31 13 13-0584 | LF | 16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 232.31 | 118.32 |
| | | *For Seal Class B, Add* | *29.58* | |
| | | *For Seal Class A, Add* | *63.10* | |
| | | *For Work In Restricted Working Space, Add* | *59.16* | |
| 23 31 13 13-0585 | LF | 16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 240.90 | 122.70 |
| | | *For Seal Class B, Add* | *30.68* | |
| | | *For Seal Class A, Add* | *65.44* | |
| | | *For Work In Restricted Working Space, Add* | *61.35* | |
| 23 31 13 13-0586 | LF | 16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 249.50 | 127.09 |
| | | *For Seal Class B, Add* | *31.77* | |
| | | *For Seal Class A, Add* | *67.78* | |
| | | *For Work In Restricted Working Space, Add* | *63.54* | |
| 23 31 13 13-0587 | LF | 16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 258.13 | 131.47 |
| | | *For Seal Class B, Add* | *32.87* | |
| | | *For Seal Class A, Add* | *70.12* | |
| | | *For Work In Restricted Working Space, Add* | *65.74* | |
| 23 31 13 13-0588 | LF | 18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 154.87 | 78.88 |
| | | *For Seal Class B, Add* | *19.72* | |
| | | *For Seal Class A, Add* | *42.07* | |
| | | *For Work In Restricted Working Space, Add* | *39.44* | |
| 23 31 13 13-0589 | LF | 18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 163.49 | 83.26 |
| | | *For Seal Class B, Add* | *20.82* | |
| | | *For Seal Class A, Add* | *44.41* | |
| | | *For Work In Restricted Working Space, Add* | *41.63* | |
| 23 31 13 13-0590 | LF | 18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 172.06 | 87.65 |
| | | *For Seal Class B, Add* | *21.91* | |
| | | *For Seal Class A, Add* | *46.74* | |
| | | *For Work In Restricted Working Space, Add* | *43.82* | |
| 23 31 13 13-0591 | LF | 18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 180.68 | 92.02 |
| | | *For Seal Class B, Add* | *23.01* | |
| | | *For Seal Class A, Add* | *49.08* | |
| | | *For Work In Restricted Working Space, Add* | *46.01* | |
| 23 31 13 13-0592 | LF | 18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 189.29 | 96.41 |
| | | *For Seal Class B, Add* | *24.10* | |
| | | *For Seal Class A, Add* | *51.42* | |
| | | *For Work In Restricted Working Space, Add* | *48.20* | |
| 23 31 13 13-0593 | LF | 18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 197.87 | 100.79 |
| | | *For Seal Class B, Add* | *25.20* | |
| | | *For Seal Class A, Add* | *53.75* | |
| | | *For Work In Restricted Working Space, Add* | *50.39* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0594 | LF | 18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 206.50 | 105.18 |
| | | *For Seal Class B, Add* | *26.30* | |
| | | *For Seal Class A, Add* | *56.10* | |
| | | *For Work In Restricted Working Space, Add* | *52.59* | |
| 23 31 13 13-0595 | LF | 18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 215.09 | 109.55 |
| | | *For Seal Class B, Add* | *27.39* | |
| | | *For Seal Class A, Add* | *58.43* | |
| | | *For Work In Restricted Working Space, Add* | *54.78* | |
| 23 31 13 13-0596 | LF | 18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 223.71 | 113.95 |
| | | *For Seal Class B, Add* | *28.49* | |
| | | *For Seal Class A, Add* | *60.77* | |
| | | *For Work In Restricted Working Space, Add* | *56.97* | |
| 23 31 13 13-0597 | LF | 18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 232.31 | 118.32 |
| | | *For Seal Class B, Add* | *29.58* | |
| | | *For Seal Class A, Add* | *63.10* | |
| | | *For Work In Restricted Working Space, Add* | *59.16* | |
| 23 31 13 13-0598 | LF | 18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 240.90 | 122.70 |
| | | *For Seal Class B, Add* | *30.68* | |
| | | *For Seal Class A, Add* | *65.44* | |
| | | *For Work In Restricted Working Space, Add* | *61.35* | |
| 23 31 13 13-0599 | LF | 18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 249.50 | 127.09 |
| | | *For Seal Class B, Add* | *31.77* | |
| | | *For Seal Class A, Add* | *67.78* | |
| | | *For Work In Restricted Working Space, Add* | *63.54* | |
| 23 31 13 13-0600 | LF | 18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 258.13 | 131.47 |
| | | *For Seal Class B, Add* | *32.87* | |
| | | *For Seal Class A, Add* | *70.12* | |
| | | *For Work In Restricted Working Space, Add* | *65.74* | |
| 23 31 13 13-0601 | LF | 18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 266.72 | 135.85 |
| | | *For Seal Class B, Add* | *33.96* | |
| | | *For Seal Class A, Add* | *72.45* | |
| | | *For Work In Restricted Working Space, Add* | *67.93* | |
| 23 31 13 13-0602 | LF | 18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 275.34 | 140.24 |
| | | *For Seal Class B, Add* | *35.06* | |
| | | *For Seal Class A, Add* | *74.79* | |
| | | *For Work In Restricted Working Space, Add* | *70.12* | |
| 23 31 13 13-0603 | LF | 20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 172.06 | 87.65 |
| | | *For Seal Class B, Add* | *21.91* | |
| | | *For Seal Class A, Add* | *46.74* | |
| | | *For Work In Restricted Working Space, Add* | *43.82* | |
| 23 31 13 13-0604 | LF | 20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 180.68 | 92.02 |
| | | *For Seal Class B, Add* | *23.01* | |
| | | *For Seal Class A, Add* | *49.08* | |
| | | *For Work In Restricted Working Space, Add* | *46.01* | |
| 23 31 13 13-0605 | LF | 20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 189.29 | 96.41 |
| | | *For Seal Class B, Add* | *24.10* | |
| | | *For Seal Class A, Add* | *51.42* | |
| | | *For Work In Restricted Working Space, Add* | *48.20* | |
| 23 31 13 13-0606 | LF | 20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 197.87 | 100.79 |
| | | *For Seal Class B, Add* | *25.20* | |
| | | *For Seal Class A, Add* | *53.75* | |
| | | *For Work In Restricted Working Space, Add* | *50.39* | |
| 23 31 13 13-0607 | LF | 20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 206.50 | 105.18 |
| | | *For Seal Class B, Add* | *26.30* | |
| | | *For Seal Class A, Add* | *56.10* | |
| | | *For Work In Restricted Working Space, Add* | *52.59* | |
| 23 31 13 13-0608 | LF | 20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 215.09 | 109.55 |
| | | *For Seal Class B, Add* | *27.39* | |
| | | *For Seal Class A, Add* | *58.43* | |
| | | *For Work In Restricted Working Space, Add* | *54.78* | |
| 23 31 13 13-0609 | LF | 20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 223.71 | 113.95 |
| | | *For Seal Class B, Add* | *28.49* | |
| | | *For Seal Class A, Add* | *60.77* | |
| | | *For Work In Restricted Working Space, Add* | *56.97* | |
| 23 31 13 13-0610 | LF | 20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 232.31 | 118.32 |
| | | *For Seal Class B, Add* | *29.58* | |
| | | *For Seal Class A, Add* | *63.10* | |
| | | *For Work In Restricted Working Space, Add* | *59.16* | |
| 23 31 13 13-0611 | LF | 20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 240.90 | 122.70 |
| | | *For Seal Class B, Add* | *30.68* | |
| | | *For Seal Class A, Add* | *65.44* | |
| | | *For Work In Restricted Working Space, Add* | *61.35* | |
| 23 31 13 13-0612 | LF | 20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 249.50 | 127.09 |
| | | *For Seal Class B, Add* | *31.77* | |
| | | *For Seal Class A, Add* | *67.78* | |
| | | *For Work In Restricted Working Space, Add* | *63.54* | |
| 23 31 13 13-0613 | LF | 20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 258.13 | 131.47 |
| | | *For Seal Class B, Add* | *32.87* | |
| | | *For Seal Class A, Add* | *70.12* | |
| | | *For Work In Restricted Working Space, Add* | *65.74* | |
| 23 31 13 13-0614 | LF | 20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 266.72 | 135.85 |
| | | *For Seal Class B, Add* | *33.96* | |
| | | *For Seal Class A, Add* | *72.45* | |
| | | *For Work In Restricted Working Space, Add* | *67.93* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0615 | LF | 20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 275.34 | 140.24 |
| | | *For Seal Class B, Add* | *35.06* | |
| | | *For Seal Class A, Add* | *74.79* | |
| | | *For Work In Restricted Working Space, Add* | *70.12* | |
| 23 31 13 13-0616 | LF | 20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 283.92 | 144.61 |
| | | *For Seal Class B, Add* | *36.15* | |
| | | *For Seal Class A, Add* | *77.13* | |
| | | *For Work In Restricted Working Space, Add* | *72.31* | |
| 23 31 13 13-0617 | LF | 20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.53 | 149.01 |
| | | *For Seal Class B, Add* | *37.25* | |
| | | *For Seal Class A, Add* | *79.47* | |
| | | *For Work In Restricted Working Space, Add* | *74.50* | |
| 23 31 13 13-0618 | LF | 22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 189.29 | 96.41 |
| | | *For Seal Class B, Add* | *24.10* | |
| | | *For Seal Class A, Add* | *51.42* | |
| | | *For Work In Restricted Working Space, Add* | *48.20* | |
| 23 31 13 13-0619 | LF | 22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 197.87 | 100.79 |
| | | *For Seal Class B, Add* | *25.20* | |
| | | *For Seal Class A, Add* | *53.75* | |
| | | *For Work In Restricted Working Space, Add* | *50.39* | |
| 23 31 13 13-0620 | LF | 22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 206.50 | 105.18 |
| | | *For Seal Class B, Add* | *26.30* | |
| | | *For Seal Class A, Add* | *56.10* | |
| | | *For Work In Restricted Working Space, Add* | *52.59* | |
| 23 31 13 13-0621 | LF | 22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 215.09 | 109.55 |
| | | *For Seal Class B, Add* | *27.39* | |
| | | *For Seal Class A, Add* | *58.43* | |
| | | *For Work In Restricted Working Space, Add* | *54.78* | |
| 23 31 13 13-0622 | LF | 22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 223.71 | 113.95 |
| | | *For Seal Class B, Add* | *28.49* | |
| | | *For Seal Class A, Add* | *60.77* | |
| | | *For Work In Restricted Working Space, Add* | *56.97* | |
| 23 31 13 13-0623 | LF | 22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 232.31 | 118.32 |
| | | *For Seal Class B, Add* | *29.58* | |
| | | *For Seal Class A, Add* | *63.10* | |
| | | *For Work In Restricted Working Space, Add* | *59.16* | |
| 23 31 13 13-0624 | LF | 22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 240.90 | 122.70 |
| | | *For Seal Class B, Add* | *30.68* | |
| | | *For Seal Class A, Add* | *65.44* | |
| | | *For Work In Restricted Working Space, Add* | *61.35* | |
| 23 31 13 13-0625 | LF | 22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 249.50 | 127.09 |
| | | *For Seal Class B, Add* | *31.77* | |
| | | *For Seal Class A, Add* | *67.78* | |
| | | *For Work In Restricted Working Space, Add* | *63.54* | |
| 23 31 13 13-0626 | LF | 22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 258.13 | 131.47 |
| | | *For Seal Class B, Add* | *32.87* | |
| | | *For Seal Class A, Add* | *70.12* | |
| | | *For Work In Restricted Working Space, Add* | *65.74* | |
| 23 31 13 13-0627 | LF | 22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 266.72 | 135.85 |
| | | *For Seal Class B, Add* | *33.96* | |
| | | *For Seal Class A, Add* | *72.45* | |
| | | *For Work In Restricted Working Space, Add* | *67.93* | |
| 23 31 13 13-0628 | LF | 22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 275.34 | 140.24 |
| | | *For Seal Class B, Add* | *35.06* | |
| | | *For Seal Class A, Add* | *74.79* | |
| | | *For Work In Restricted Working Space, Add* | *70.12* | |
| 23 31 13 13-0629 | LF | 22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 283.92 | 144.61 |
| | | *For Seal Class B, Add* | *36.15* | |
| | | *For Seal Class A, Add* | *77.13* | |
| | | *For Work In Restricted Working Space, Add* | *72.31* | |
| 23 31 13 13-0630 | LF | 22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.53 | 149.01 |
| | | *For Seal Class B, Add* | *37.25* | |
| | | *For Seal Class A, Add* | *79.47* | |
| | | *For Work In Restricted Working Space, Add* | *74.50* | |
| 23 31 13 13-0631 | LF | 22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 301.15 | 153.38 |
| | | *For Seal Class B, Add* | *38.35* | |
| | | *For Seal Class A, Add* | *81.80* | |
| | | *For Work In Restricted Working Space, Add* | *76.69* | |
| 23 31 13 13-0632 | LF | 24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 206.50 | 105.18 |
| | | *For Seal Class B, Add* | *26.30* | |
| | | *For Seal Class A, Add* | *56.10* | |
| | | *For Work In Restricted Working Space, Add* | *52.59* | |
| 23 31 13 13-0633 | LF | 24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 215.09 | 109.55 |
| | | *For Seal Class B, Add* | *27.39* | |
| | | *For Seal Class A, Add* | *58.43* | |
| | | *For Work In Restricted Working Space, Add* | *54.78* | |
| 23 31 13 13-0634 | LF | 24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 223.71 | 113.95 |
| | | *For Seal Class B, Add* | *28.49* | |
| | | *For Seal Class A, Add* | *60.77* | |
| | | *For Work In Restricted Working Space, Add* | *56.97* | |
| 23 31 13 13-0635 | LF | 24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 232.31 | 118.32 |
| | | *For Seal Class B, Add* | *29.58* | |
| | | *For Seal Class A, Add* | *63.10* | |
| | | *For Work In Restricted Working Space, Add* | *59.16* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0636 | LF | 24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 240.90 | 122.70 |
| | | *For Seal Class B, Add* | *30.68* | |
| | | *For Seal Class A, Add* | *65.44* | |
| | | *For Work In Restricted Working Space, Add* | *61.35* | |
| 23 31 13 13-0637 | LF | 24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 249.50 | 127.09 |
| | | *For Seal Class B, Add* | *31.77* | |
| | | *For Seal Class A, Add* | *67.78* | |
| | | *For Work In Restricted Working Space, Add* | *63.54* | |
| 23 31 13 13-0638 | LF | 24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 258.13 | 131.47 |
| | | *For Seal Class B, Add* | *32.87* | |
| | | *For Seal Class A, Add* | *70.12* | |
| | | *For Work In Restricted Working Space, Add* | *65.74* | |
| 23 31 13 13-0639 | LF | 24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 266.72 | 135.85 |
| | | *For Seal Class B, Add* | *33.96* | |
| | | *For Seal Class A, Add* | *72.45* | |
| | | *For Work In Restricted Working Space, Add* | *67.93* | |
| 23 31 13 13-0640 | LF | 24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 275.34 | 140.24 |
| | | *For Seal Class B, Add* | *35.06* | |
| | | *For Seal Class A, Add* | *74.79* | |
| | | *For Work In Restricted Working Space, Add* | *70.12* | |
| 23 31 13 13-0641 | LF | 24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 283.92 | 144.61 |
| | | *For Seal Class B, Add* | *36.15* | |
| | | *For Seal Class A, Add* | *77.13* | |
| | | *For Work In Restricted Working Space, Add* | *72.31* | |
| 23 31 13 13-0642 | LF | 24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.53 | 149.01 |
| | | *For Seal Class B, Add* | *37.25* | |
| | | *For Seal Class A, Add* | *79.47* | |
| | | *For Work In Restricted Working Space, Add* | *74.50* | |
| 23 31 13 13-0643 | LF | 24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 301.15 | 153.38 |
| | | *For Seal Class B, Add* | *38.35* | |
| | | *For Seal Class A, Add* | *81.80* | |
| | | *For Work In Restricted Working Space, Add* | *76.69* | |
| 23 31 13 13-0644 | LF | 24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 309.72 | 157.77 |
| | | *For Seal Class B, Add* | *39.44* | |
| | | *For Seal Class A, Add* | *84.14* | |
| | | *For Work In Restricted Working Space, Add* | *78.88* | |
| 23 31 13 13-0645 | LF | 26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 223.71 | 113.95 |
| | | *For Seal Class B, Add* | *28.49* | |
| | | *For Seal Class A, Add* | *60.77* | |
| | | *For Work In Restricted Working Space, Add* | *56.97* | |
| 23 31 13 13-0646 | LF | 26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 232.31 | 118.32 |
| | | *For Seal Class B, Add* | *29.58* | |
| | | *For Seal Class A, Add* | *63.10* | |
| | | *For Work In Restricted Working Space, Add* | *59.16* | |
| 23 31 13 13-0647 | LF | 26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 240.90 | 122.70 |
| | | *For Seal Class B, Add* | *30.68* | |
| | | *For Seal Class A, Add* | *65.44* | |
| | | *For Work In Restricted Working Space, Add* | *61.35* | |
| 23 31 13 13-0648 | LF | 26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 249.50 | 127.09 |
| | | *For Seal Class B, Add* | *31.77* | |
| | | *For Seal Class A, Add* | *67.78* | |
| | | *For Work In Restricted Working Space, Add* | *63.54* | |
| 23 31 13 13-0649 | LF | 26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 258.13 | 131.47 |
| | | *For Seal Class B, Add* | *32.87* | |
| | | *For Seal Class A, Add* | *70.12* | |
| | | *For Work In Restricted Working Space, Add* | *65.74* | |
| 23 31 13 13-0650 | LF | 26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 266.72 | 135.85 |
| | | *For Seal Class B, Add* | *33.96* | |
| | | *For Seal Class A, Add* | *72.45* | |
| | | *For Work In Restricted Working Space, Add* | *67.93* | |
| 23 31 13 13-0651 | LF | 26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 275.34 | 140.24 |
| | | *For Seal Class B, Add* | *35.06* | |
| | | *For Seal Class A, Add* | *74.79* | |
| | | *For Work In Restricted Working Space, Add* | *70.12* | |
| 23 31 13 13-0652 | LF | 26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 283.92 | 144.61 |
| | | *For Seal Class B, Add* | *36.15* | |
| | | *For Seal Class A, Add* | *77.13* | |
| | | *For Work In Restricted Working Space, Add* | *72.31* | |
| 23 31 13 13-0653 | LF | 26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.53 | 149.01 |
| | | *For Seal Class B, Add* | *37.25* | |
| | | *For Seal Class A, Add* | *79.47* | |
| | | *For Work In Restricted Working Space, Add* | *74.50* | |
| 23 31 13 13-0654 | LF | 26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 301.15 | 153.38 |
| | | *For Seal Class B, Add* | *38.35* | |
| | | *For Seal Class A, Add* | *81.80* | |
| | | *For Work In Restricted Working Space, Add* | *76.69* | |
| 23 31 13 13-0655 | LF | 26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 309.72 | 157.77 |
| | | *For Seal Class B, Add* | *39.44* | |
| | | *For Seal Class A, Add* | *84.14* | |
| | | *For Work In Restricted Working Space, Add* | *78.88* | |
| 23 31 13 13-0656 | LF | 26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 318.35 | 162.15 |
| | | *For Seal Class B, Add* | *40.54* | |
| | | *For Seal Class A, Add* | *86.48* | |
| | | *For Work In Restricted Working Space, Add* | *81.08* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0657 | LF | 28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 240.90 | 122.70 |
| | | *For Seal Class B, Add* | *30.68* | |
| | | *For Seal Class A, Add* | *65.44* | |
| | | *For Work In Restricted Working Space, Add* | *61.35* | |
| 23 31 13 13-0658 | LF | 28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 249.50 | 127.09 |
| | | *For Seal Class B, Add* | *31.77* | |
| | | *For Seal Class A, Add* | *67.78* | |
| | | *For Work In Restricted Working Space, Add* | *63.54* | |
| 23 31 13 13-0659 | LF | 28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 258.13 | 131.47 |
| | | *For Seal Class B, Add* | *32.87* | |
| | | *For Seal Class A, Add* | *70.12* | |
| | | *For Work In Restricted Working Space, Add* | *65.74* | |
| 23 31 13 13-0660 | LF | 28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 266.72 | 135.85 |
| | | *For Seal Class B, Add* | *33.96* | |
| | | *For Seal Class A, Add* | *72.45* | |
| | | *For Work In Restricted Working Space, Add* | *67.93* | |
| 23 31 13 13-0661 | LF | 28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 275.34 | 140.24 |
| | | *For Seal Class B, Add* | *35.06* | |
| | | *For Seal Class A, Add* | *74.79* | |
| | | *For Work In Restricted Working Space, Add* | *70.12* | |
| 23 31 13 13-0662 | LF | 28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 283.92 | 144.61 |
| | | *For Seal Class B, Add* | *36.15* | |
| | | *For Seal Class A, Add* | *77.13* | |
| | | *For Work In Restricted Working Space, Add* | *72.31* | |
| 23 31 13 13-0663 | LF | 28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.53 | 149.01 |
| | | *For Seal Class B, Add* | *37.25* | |
| | | *For Seal Class A, Add* | *79.47* | |
| | | *For Work In Restricted Working Space, Add* | *74.50* | |
| 23 31 13 13-0664 | LF | 28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 301.15 | 153.38 |
| | | *For Seal Class B, Add* | *38.35* | |
| | | *For Seal Class A, Add* | *81.80* | |
| | | *For Work In Restricted Working Space, Add* | *76.69* | |
| 23 31 13 13-0665 | LF | 28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 309.72 | 157.77 |
| | | *For Seal Class B, Add* | *39.44* | |
| | | *For Seal Class A, Add* | *84.14* | |
| | | *For Work In Restricted Working Space, Add* | *78.88* | |
| 23 31 13 13-0666 | LF | 28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 318.35 | 162.15 |
| | | *For Seal Class B, Add* | *40.54* | |
| | | *For Seal Class A, Add* | *86.48* | |
| | | *For Work In Restricted Working Space, Add* | *81.08* | |
| 23 31 13 13-0667 | LF | 28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 326.94 | 166.53 |
| | | *For Seal Class B, Add* | *41.63* | |
| | | *For Seal Class A, Add* | *88.82* | |
| | | *For Work In Restricted Working Space, Add* | *83.27* | |
| 23 31 13 13-0668 | LF | 30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 258.13 | 131.47 |
| | | *For Seal Class B, Add* | *32.87* | |
| | | *For Seal Class A, Add* | *70.12* | |
| | | *For Work In Restricted Working Space, Add* | *65.74* | |
| 23 31 13 13-0669 | LF | 30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 266.72 | 135.85 |
| | | *For Seal Class B, Add* | *33.96* | |
| | | *For Seal Class A, Add* | *72.45* | |
| | | *For Work In Restricted Working Space, Add* | *67.93* | |
| 23 31 13 13-0670 | LF | 30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 275.34 | 140.24 |
| | | *For Seal Class B, Add* | *35.06* | |
| | | *For Seal Class A, Add* | *74.79* | |
| | | *For Work In Restricted Working Space, Add* | *70.12* | |
| 23 31 13 13-0671 | LF | 30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 283.92 | 144.61 |
| | | *For Seal Class B, Add* | *36.15* | |
| | | *For Seal Class A, Add* | *77.13* | |
| | | *For Work In Restricted Working Space, Add* | *72.31* | |
| 23 31 13 13-0672 | LF | 30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.53 | 149.01 |
| | | *For Seal Class B, Add* | *37.25* | |
| | | *For Seal Class A, Add* | *79.47* | |
| | | *For Work In Restricted Working Space, Add* | *74.50* | |
| 23 31 13 13-0673 | LF | 30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 301.15 | 153.38 |
| | | *For Seal Class B, Add* | *38.35* | |
| | | *For Seal Class A, Add* | *81.80* | |
| | | *For Work In Restricted Working Space, Add* | *76.69* | |
| 23 31 13 13-0674 | LF | 30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 309.72 | 157.77 |
| | | *For Seal Class B, Add* | *39.44* | |
| | | *For Seal Class A, Add* | *84.14* | |
| | | *For Work In Restricted Working Space, Add* | *78.88* | |
| 23 31 13 13-0675 | LF | 30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 318.35 | 162.15 |
| | | *For Seal Class B, Add* | *40.54* | |
| | | *For Seal Class A, Add* | *86.48* | |
| | | *For Work In Restricted Working Space, Add* | *81.08* | |
| 23 31 13 13-0676 | LF | 30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 326.94 | 166.53 |
| | | *For Seal Class B, Add* | *41.63* | |
| | | *For Seal Class A, Add* | *88.82* | |
| | | *For Work In Restricted Working Space, Add* | *83.27* | |
| 23 31 13 13-0677 | LF | 30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 335.55 | 170.91 |
| | | *For Seal Class B, Add* | *42.73* | |
| | | *For Seal Class A, Add* | *91.15* | |
| | | *For Work In Restricted Working Space, Add* | *85.46* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0678 | LF | 32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 275.34 | 140.24 |
| | | *For Seal Class B, Add* | *35.06* | |
| | | *For Seal Class A, Add* | *74.79* | |
| | | *For Work In Restricted Working Space, Add* | *70.12* | |
| 23 31 13 13-0679 | LF | 32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 283.92 | 144.61 |
| | | *For Seal Class B, Add* | *36.15* | |
| | | *For Seal Class A, Add* | *77.13* | |
| | | *For Work In Restricted Working Space, Add* | *72.31* | |
| 23 31 13 13-0680 | LF | 32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.53 | 149.01 |
| | | *For Seal Class B, Add* | *37.25* | |
| | | *For Seal Class A, Add* | *79.47* | |
| | | *For Work In Restricted Working Space, Add* | *74.50* | |
| 23 31 13 13-0681 | LF | 32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 301.15 | 153.38 |
| | | *For Seal Class B, Add* | *38.35* | |
| | | *For Seal Class A, Add* | *81.80* | |
| | | *For Work In Restricted Working Space, Add* | *76.69* | |
| 23 31 13 13-0682 | LF | 32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 309.72 | 157.77 |
| | | *For Seal Class B, Add* | *39.44* | |
| | | *For Seal Class A, Add* | *84.14* | |
| | | *For Work In Restricted Working Space, Add* | *78.88* | |
| 23 31 13 13-0683 | LF | 32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 318.35 | 162.15 |
| | | *For Seal Class B, Add* | *40.54* | |
| | | *For Seal Class A, Add* | *86.48* | |
| | | *For Work In Restricted Working Space, Add* | *81.08* | |
| 23 31 13 13-0684 | LF | 32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 326.94 | 166.53 |
| | | *For Seal Class B, Add* | *41.63* | |
| | | *For Seal Class A, Add* | *88.82* | |
| | | *For Work In Restricted Working Space, Add* | *83.27* | |
| 23 31 13 13-0685 | LF | 32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 335.55 | 170.91 |
| | | *For Seal Class B, Add* | *42.73* | |
| | | *For Seal Class A, Add* | *91.15* | |
| | | *For Work In Restricted Working Space, Add* | *85.46* | |
| 23 31 13 13-0686 | LF | 32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 344.17 | 175.30 |
| | | *For Seal Class B, Add* | *43.82* | |
| | | *For Seal Class A, Add* | *93.49* | |
| | | *For Work In Restricted Working Space, Add* | *87.65* | |
| 23 31 13 13-0687 | LF | 34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 292.53 | 149.01 |
| | | *For Seal Class B, Add* | *37.25* | |
| | | *For Seal Class A, Add* | *79.47* | |
| | | *For Work In Restricted Working Space, Add* | *74.50* | |
| 23 31 13 13-0688 | LF | 34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 301.15 | 153.38 |
| | | *For Seal Class B, Add* | *38.35* | |
| | | *For Seal Class A, Add* | *81.80* | |
| | | *For Work In Restricted Working Space, Add* | *76.69* | |
| 23 31 13 13-0689 | LF | 34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 309.72 | 157.77 |
| | | *For Seal Class B, Add* | *39.44* | |
| | | *For Seal Class A, Add* | *84.14* | |
| | | *For Work In Restricted Working Space, Add* | *78.88* | |
| 23 31 13 13-0690 | LF | 34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 318.35 | 162.15 |
| | | *For Seal Class B, Add* | *40.54* | |
| | | *For Seal Class A, Add* | *86.48* | |
| | | *For Work In Restricted Working Space, Add* | *81.08* | |
| 23 31 13 13-0691 | LF | 34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 326.94 | 166.53 |
| | | *For Seal Class B, Add* | *41.63* | |
| | | *For Seal Class A, Add* | *88.82* | |
| | | *For Work In Restricted Working Space, Add* | *83.27* | |
| 23 31 13 13-0692 | LF | 34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 335.55 | 170.91 |
| | | *For Seal Class B, Add* | *42.73* | |
| | | *For Seal Class A, Add* | *91.15* | |
| | | *For Work In Restricted Working Space, Add* | *85.46* | |
| 23 31 13 13-0693 | LF | 34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 344.17 | 175.30 |
| | | *For Seal Class B, Add* | *43.82* | |
| | | *For Seal Class A, Add* | *93.49* | |
| | | *For Work In Restricted Working Space, Add* | *87.65* | |
| 23 31 13 13-0694 | LF | 34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 352.75 | 179.68 |
| | | *For Seal Class B, Add* | *44.92* | |
| | | *For Seal Class A, Add* | *95.83* | |
| | | *For Work In Restricted Working Space, Add* | *89.84* | |
| 23 31 13 13-0695 | LF | 36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 309.72 | 157.77 |
| | | *For Seal Class B, Add* | *39.44* | |
| | | *For Seal Class A, Add* | *84.14* | |
| | | *For Work In Restricted Working Space, Add* | *78.88* | |
| 23 31 13 13-0696 | LF | 36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 318.35 | 162.15 |
| | | *For Seal Class B, Add* | *40.54* | |
| | | *For Seal Class A, Add* | *86.48* | |
| | | *For Work In Restricted Working Space, Add* | *81.08* | |
| 23 31 13 13-0697 | LF | 36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 326.94 | 166.53 |
| | | *For Seal Class B, Add* | *41.63* | |
| | | *For Seal Class A, Add* | *88.82* | |
| | | *For Work In Restricted Working Space, Add* | *83.27* | |
| 23 31 13 13-0698 | LF | 36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 335.55 | 170.91 |
| | | *For Seal Class B, Add* | *42.73* | |
| | | *For Seal Class A, Add* | *91.15* | |
| | | *For Work In Restricted Working Space, Add* | *85.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0699 | LF | 36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 344.17 | 175.30 |
| | | *For Seal Class B, Add* | *43.82* | |
| | | *For Seal Class A, Add* | *93.49* | |
| | | *For Work In Restricted Working Space, Add* | *87.65* | |
| 23 31 13 13-0700 | LF | 36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 352.75 | 179.68 |
| | | *For Seal Class B, Add* | *44.92* | |
| | | *For Seal Class A, Add* | *95.83* | |
| | | *For Work In Restricted Working Space, Add* | *89.84* | |
| 23 31 13 13-0701 | LF | 36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 361.36 | 184.06 |
| | | *For Seal Class B, Add* | *46.01* | |
| | | *For Seal Class A, Add* | *98.16* | |
| | | *For Work In Restricted Working Space, Add* | *92.03* | |
| 23 31 13 13-0702 | LF | 38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 326.94 | 166.53 |
| | | *For Seal Class B, Add* | *41.63* | |
| | | *For Seal Class A, Add* | *88.82* | |
| | | *For Work In Restricted Working Space, Add* | *83.27* | |
| 23 31 13 13-0703 | LF | 38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 335.55 | 170.91 |
| | | *For Seal Class B, Add* | *42.73* | |
| | | *For Seal Class A, Add* | *91.15* | |
| | | *For Work In Restricted Working Space, Add* | *85.46* | |
| 23 31 13 13-0704 | LF | 38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 344.17 | 175.30 |
| | | *For Seal Class B, Add* | *43.82* | |
| | | *For Seal Class A, Add* | *93.49* | |
| | | *For Work In Restricted Working Space, Add* | *87.65* | |
| 23 31 13 13-0705 | LF | 38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 352.75 | 179.68 |
| | | *For Seal Class B, Add* | *44.92* | |
| | | *For Seal Class A, Add* | *95.83* | |
| | | *For Work In Restricted Working Space, Add* | *89.84* | |
| 23 31 13 13-0706 | LF | 38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 361.36 | 184.06 |
| | | *For Seal Class B, Add* | *46.01* | |
| | | *For Seal Class A, Add* | *98.16* | |
| | | *For Work In Restricted Working Space, Add* | *92.03* | |
| 23 31 13 13-0707 | LF | 38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 369.98 | 188.44 |
| | | *For Seal Class B, Add* | *47.11* | |
| | | *For Seal Class A, Add* | *100.50* | |
| | | *For Work In Restricted Working Space, Add* | *94.22* | |
| 23 31 13 13-0708 | LF | 38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 378.58 | 192.83 |
| | | *For Seal Class B, Add* | *48.21* | |
| | | *For Seal Class A, Add* | *102.84* | |
| | | *For Work In Restricted Working Space, Add* | *96.41* | |
| 23 31 13 13-0709 | LF | 40" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 344.17 | 175.30 |
| | | *For Seal Class B, Add* | *43.82* | |
| | | *For Seal Class A, Add* | *93.49* | |
| | | *For Work In Restricted Working Space, Add* | *87.65* | |
| 23 31 13 13-0710 | LF | 40" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 352.75 | 179.68 |
| | | *For Seal Class B, Add* | *44.92* | |
| | | *For Seal Class A, Add* | *95.83* | |
| | | *For Work In Restricted Working Space, Add* | *89.84* | |
| 23 31 13 13-0711 | LF | 40" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 361.36 | 184.06 |
| | | *For Seal Class B, Add* | *46.01* | |
| | | *For Seal Class A, Add* | *98.16* | |
| | | *For Work In Restricted Working Space, Add* | *92.03* | |
| 23 31 13 13-0712 | LF | 40" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 369.98 | 188.44 |
| | | *For Seal Class B, Add* | *47.11* | |
| | | *For Seal Class A, Add* | *100.50* | |
| | | *For Work In Restricted Working Space, Add* | *94.22* | |
| 23 31 13 13-0713 | LF | 40" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 378.58 | 192.83 |
| | | *For Seal Class B, Add* | *48.21* | |
| | | *For Seal Class A, Add* | *102.84* | |
| | | *For Work In Restricted Working Space, Add* | *96.41* | |
| 23 31 13 13-0714 | LF | 40" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 387.17 | 197.20 |
| | | *For Seal Class B, Add* | *49.30* | |
| | | *For Seal Class A, Add* | *105.17* | |
| | | *For Work In Restricted Working Space, Add* | *98.60* | |
| 23 31 13 13-0715 | LF | 40" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 395.77 | 201.60 |
| | | *For Seal Class B, Add* | *50.40* | |
| | | *For Seal Class A, Add* | *107.51* | |
| | | *For Work In Restricted Working Space, Add* | *100.79* | |
| 23 31 13 13-0716 | LF | 40" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 404.38 | 205.97 |
| | | *For Seal Class B, Add* | *51.49* | |
| | | *For Seal Class A, Add* | *109.85* | |
| | | *For Work In Restricted Working Space, Add* | *102.98* | |
| 23 31 13 13-0717 | LF | 40" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 412.99 | 210.35 |
| | | *For Seal Class B, Add* | *52.59* | |
| | | *For Seal Class A, Add* | *112.19* | |
| | | *For Work In Restricted Working Space, Add* | *105.17* | |
| 23 31 13 13-0718 | LF | 42" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 361.36 | 184.06 |
| | | *For Seal Class B, Add* | *46.01* | |
| | | *For Seal Class A, Add* | *98.16* | |
| | | *For Work In Restricted Working Space, Add* | *92.03* | |
| 23 31 13 13-0719 | LF | 42" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 369.98 | 188.44 |
| | | *For Seal Class B, Add* | *47.11* | |
| | | *For Seal Class A, Add* | *100.50* | |
| | | *For Work In Restricted Working Space, Add* | *94.22* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0720 | LF | 42" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 378.58 | 192.83 |
| | | *For Seal Class B, Add* | *48.21* | |
| | | *For Seal Class A, Add* | *102.84* | |
| | | *For Work In Restricted Working Space, Add* | *96.41* | |
| 23 31 13 13-0721 | LF | 42" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 387.17 | 197.20 |
| | | *For Seal Class B, Add* | *49.30* | |
| | | *For Seal Class A, Add* | *105.17* | |
| | | *For Work In Restricted Working Space, Add* | *98.60* | |
| 23 31 13 13-0722 | LF | 42" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 395.77 | 201.60 |
| | | *For Seal Class B, Add* | *50.40* | |
| | | *For Seal Class A, Add* | *107.51* | |
| | | *For Work In Restricted Working Space, Add* | *100.79* | |
| 23 31 13 13-0723 | LF | 42" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 404.38 | 205.97 |
| | | *For Seal Class B, Add* | *51.49* | |
| | | *For Seal Class A, Add* | *109.85* | |
| | | *For Work In Restricted Working Space, Add* | *102.98* | |
| 23 31 13 13-0724 | LF | 42" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 412.99 | 210.35 |
| | | *For Seal Class B, Add* | *52.59* | |
| | | *For Seal Class A, Add* | *112.19* | |
| | | *For Work In Restricted Working Space, Add* | *105.17* | |
| 23 31 13 13-0725 | LF | 42" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 421.58 | 214.74 |
| | | *For Seal Class B, Add* | *53.68* | |
| | | *For Seal Class A, Add* | *114.52* | |
| | | *For Work In Restricted Working Space, Add* | *107.37* | |
| 23 31 13 13-0726 | LF | 44" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 378.58 | 192.83 |
| | | *For Seal Class B, Add* | *48.21* | |
| | | *For Seal Class A, Add* | *102.84* | |
| | | *For Work In Restricted Working Space, Add* | *96.41* | |
| 23 31 13 13-0727 | LF | 44" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 387.17 | 197.20 |
| | | *For Seal Class B, Add* | *49.30* | |
| | | *For Seal Class A, Add* | *105.17* | |
| | | *For Work In Restricted Working Space, Add* | *98.60* | |
| 23 31 13 13-0728 | LF | 44" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 395.77 | 201.60 |
| | | *For Seal Class B, Add* | *50.40* | |
| | | *For Seal Class A, Add* | *107.51* | |
| | | *For Work In Restricted Working Space, Add* | *100.79* | |
| 23 31 13 13-0729 | LF | 44" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 404.38 | 205.97 |
| | | *For Seal Class B, Add* | *51.49* | |
| | | *For Seal Class A, Add* | *109.85* | |
| | | *For Work In Restricted Working Space, Add* | *102.98* | |
| 23 31 13 13-0730 | LF | 44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 412.99 | 210.35 |
| | | *For Seal Class B, Add* | *52.59* | |
| | | *For Seal Class A, Add* | *112.19* | |
| | | *For Work In Restricted Working Space, Add* | *105.17* | |
| 23 31 13 13-0731 | LF | 44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 421.58 | 214.74 |
| | | *For Seal Class B, Add* | *53.68* | |
| | | *For Seal Class A, Add* | *114.52* | |
| | | *For Work In Restricted Working Space, Add* | *107.37* | |
| 23 31 13 13-0732 | LF | 44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 430.20 | 219.12 |
| | | *For Seal Class B, Add* | *54.78* | |
| | | *For Seal Class A, Add* | *116.86* | |
| | | *For Work In Restricted Working Space, Add* | *109.56* | |
| 23 31 13 13-0733 | LF | 46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 395.77 | 201.60 |
| | | *For Seal Class B, Add* | *50.40* | |
| | | *For Seal Class A, Add* | *107.51* | |
| | | *For Work In Restricted Working Space, Add* | *100.79* | |
| 23 31 13 13-0734 | LF | 46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 404.38 | 205.97 |
| | | *For Seal Class B, Add* | *51.49* | |
| | | *For Seal Class A, Add* | *109.85* | |
| | | *For Work In Restricted Working Space, Add* | *102.98* | |
| 23 31 13 13-0735 | LF | 46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 412.99 | 210.35 |
| | | *For Seal Class B, Add* | *52.59* | |
| | | *For Seal Class A, Add* | *112.19* | |
| | | *For Work In Restricted Working Space, Add* | *105.17* | |
| 23 31 13 13-0736 | LF | 46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 421.58 | 214.74 |
| | | *For Seal Class B, Add* | *53.68* | |
| | | *For Seal Class A, Add* | *114.52* | |
| | | *For Work In Restricted Working Space, Add* | *107.37* | |
| 23 31 13 13-0737 | LF | 46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 430.20 | 219.12 |
| | | *For Seal Class B, Add* | *54.78* | |
| | | *For Seal Class A, Add* | *116.86* | |
| | | *For Work In Restricted Working Space, Add* | *109.56* | |
| 23 31 13 13-0738 | LF | 46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 446.11 | 227.89 |
| | | *For Seal Class B, Add* | *56.97* | |
| | | *For Seal Class A, Add* | *121.54* | |
| | | *For Work In Restricted Working Space, Add* | *113.94* | |
| 23 31 13 13-0739 | LF | 46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 454.71 | 232.26 |
| | | *For Seal Class B, Add* | *58.07* | |
| | | *For Seal Class A, Add* | *123.88* | |
| | | *For Work In Restricted Working Space, Add* | *116.13* | |
| 23 31 13 13-0740 | LF | 48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 412.99 | 210.35 |
| | | *For Seal Class B, Add* | *52.59* | |
| | | *For Seal Class A, Add* | *112.19* | |
| | | *For Work In Restricted Working Space, Add* | *105.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0741 | LF | 48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 421.58 | 214.74 |
| | | *For Seal Class B, Add* | *53.68* | |
| | | *For Seal Class A, Add* | *114.52* | |
| | | *For Work In Restricted Working Space, Add* | *107.37* | |
| 23 31 13 13-0742 | LF | 48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 430.20 | 219.12 |
| | | *For Seal Class B, Add* | *54.78* | |
| | | *For Seal Class A, Add* | *116.86* | |
| | | *For Work In Restricted Working Space, Add* | *109.56* | |
| 23 31 13 13-0743 | LF | 48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 438.81 | 223.50 |
| | | *For Seal Class B, Add* | *55.88* | |
| | | *For Seal Class A, Add* | *119.20* | |
| | | *For Work In Restricted Working Space, Add* | *111.75* | |
| 23 31 13 13-0744 | LF | 48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 447.40 | 227.89 |
| | | *For Seal Class B, Add* | *56.97* | |
| | | *For Seal Class A, Add* | *121.54* | |
| | | *For Work In Restricted Working Space, Add* | *113.94* | |
| 23 31 13 13-0745 | LF | 48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 456.02 | 232.26 |
| | | *For Seal Class B, Add* | *58.07* | |
| | | *For Seal Class A, Add* | *123.88* | |
| | | *For Work In Restricted Working Space, Add* | *116.13* | |
| 23 31 13 13-0746 | LF | 48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 464.59 | 236.65 |
| | | *For Seal Class B, Add* | *59.16* | |
| | | *For Seal Class A, Add* | *126.21* | |
| | | *For Work In Restricted Working Space, Add* | *118.32* | |
| 23 31 13 13-0747 | LF | 50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 430.20 | 219.12 |
| | | *For Seal Class B, Add* | *54.78* | |
| | | *For Seal Class A, Add* | *116.86* | |
| | | *For Work In Restricted Working Space, Add* | *109.56* | |
| 23 31 13 13-0748 | LF | 50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 438.81 | 223.50 |
| | | *For Seal Class B, Add* | *55.88* | |
| | | *For Seal Class A, Add* | *119.20* | |
| | | *For Work In Restricted Working Space, Add* | *111.75* | |
| 23 31 13 13-0749 | LF | 50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 447.40 | 227.89 |
| | | *For Seal Class B, Add* | *56.97* | |
| | | *For Seal Class A, Add* | *121.54* | |
| | | *For Work In Restricted Working Space, Add* | *113.94* | |
| 23 31 13 13-0750 | LF | 50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 456.02 | 232.26 |
| | | *For Seal Class B, Add* | *58.07* | |
| | | *For Seal Class A, Add* | *123.88* | |
| | | *For Work In Restricted Working Space, Add* | *116.13* | |
| 23 31 13 13-0751 | LF | 50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 464.59 | 236.65 |
| | | *For Seal Class B, Add* | *59.16* | |
| | | *For Seal Class A, Add* | *126.21* | |
| | | *For Work In Restricted Working Space, Add* | *118.32* | |
| 23 31 13 13-0752 | LF | 50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 473.21 | 241.03 |
| | | *For Seal Class B, Add* | *60.26* | |
| | | *For Seal Class A, Add* | *128.55* | |
| | | *For Work In Restricted Working Space, Add* | *120.51* | |
| 23 31 13 13-0753 | LF | 52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 447.40 | 227.89 |
| | | *For Seal Class B, Add* | *56.97* | |
| | | *For Seal Class A, Add* | *121.54* | |
| | | *For Work In Restricted Working Space, Add* | *113.94* | |
| 23 31 13 13-0754 | LF | 52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 456.02 | 232.26 |
| | | *For Seal Class B, Add* | *58.07* | |
| | | *For Seal Class A, Add* | *123.88* | |
| | | *For Work In Restricted Working Space, Add* | *116.13* | |
| 23 31 13 13-0755 | LF | 52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 464.59 | 236.65 |
| | | *For Seal Class B, Add* | *59.16* | |
| | | *For Seal Class A, Add* | *126.21* | |
| | | *For Work In Restricted Working Space, Add* | *118.32* | |
| 23 31 13 13-0756 | LF | 52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 473.21 | 241.03 |
| | | *For Seal Class B, Add* | *60.26* | |
| | | *For Seal Class A, Add* | *128.55* | |
| | | *For Work In Restricted Working Space, Add* | *120.51* | |
| 23 31 13 13-0757 | LF | 52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 481.84 | 245.42 |
| | | *For Seal Class B, Add* | *61.35* | |
| | | *For Seal Class A, Add* | *130.89* | |
| | | *For Work In Restricted Working Space, Add* | *122.71* | |
| 23 31 13 13-0758 | LF | 54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 464.59 | 236.65 |
| | | *For Seal Class B, Add* | *59.16* | |
| | | *For Seal Class A, Add* | *126.21* | |
| | | *For Work In Restricted Working Space, Add* | *118.32* | |
| 23 31 13 13-0759 | LF | 54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 473.21 | 241.03 |
| | | *For Seal Class B, Add* | *60.26* | |
| | | *For Seal Class A, Add* | *128.55* | |
| | | *For Work In Restricted Working Space, Add* | *120.51* | |
| 23 31 13 13-0760 | LF | 54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 481.84 | 245.42 |
| | | *For Seal Class B, Add* | *61.35* | |
| | | *For Seal Class A, Add* | *130.89* | |
| | | *For Work In Restricted Working Space, Add* | *122.71* | |
| 23 31 13 13-0761 | LF | 54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 490.41 | 249.79 |
| | | *For Seal Class B, Add* | *62.45* | |
| | | *For Seal Class A, Add* | *133.22* | |
| | | *For Work In Restricted Working Space, Add* | *124.90* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0762 | LF | 54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 499.03 | 254.17 |
| | | *For Seal Class B, Add* | *63.54* | |
| | | *For Seal Class A, Add* | *135.56* | |
| | | *For Work In Restricted Working Space, Add* | *127.09* | |
| 23 31 13 13-0763 | LF | 54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 507.62 | 258.56 |
| | | *For Seal Class B, Add* | *64.64* | |
| | | *For Seal Class A, Add* | *137.90* | |
| | | *For Work In Restricted Working Space, Add* | *129.28* | |
| 23 31 13 13-0764 | LF | 56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 481.84 | 245.42 |
| | | *For Seal Class B, Add* | *61.35* | |
| | | *For Seal Class A, Add* | *130.89* | |
| | | *For Work In Restricted Working Space, Add* | *122.71* | |
| 23 31 13 13-0765 | LF | 56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 490.41 | 249.79 |
| | | *For Seal Class B, Add* | *62.45* | |
| | | *For Seal Class A, Add* | *133.22* | |
| | | *For Work In Restricted Working Space, Add* | *124.90* | |
| 23 31 13 13-0766 | LF | 56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 499.03 | 254.17 |
| | | *For Seal Class B, Add* | *63.54* | |
| | | *For Seal Class A, Add* | *135.56* | |
| | | *For Work In Restricted Working Space, Add* | *127.09* | |
| 23 31 13 13-0767 | LF | 56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 507.62 | 258.56 |
| | | *For Seal Class B, Add* | *64.64* | |
| | | *For Seal Class A, Add* | *137.90* | |
| | | *For Work In Restricted Working Space, Add* | *129.28* | |
| 23 31 13 13-0768 | LF | 56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 516.23 | 262.93 |
| | | *For Seal Class B, Add* | *65.73* | |
| | | *For Seal Class A, Add* | *140.23* | |
| | | *For Work In Restricted Working Space, Add* | *131.47* | |
| 23 31 13 13-0769 | LF | 58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 499.03 | 254.17 |
| | | *For Seal Class B, Add* | *63.54* | |
| | | *For Seal Class A, Add* | *135.56* | |
| | | *For Work In Restricted Working Space, Add* | *127.09* | |
| 23 31 13 13-0770 | LF | 58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 507.62 | 258.56 |
| | | *For Seal Class B, Add* | *64.64* | |
| | | *For Seal Class A, Add* | *137.90* | |
| | | *For Work In Restricted Working Space, Add* | *129.28* | |
| 23 31 13 13-0771 | LF | 58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 516.23 | 262.93 |
| | | *For Seal Class B, Add* | *65.73* | |
| | | *For Seal Class A, Add* | *140.23* | |
| | | *For Work In Restricted Working Space, Add* | *131.47* | |
| 23 31 13 13-0772 | LF | 58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 524.84 | 267.33 |
| | | *For Seal Class B, Add* | *66.83* | |
| | | *For Seal Class A, Add* | *142.57* | |
| | | *For Work In Restricted Working Space, Add* | *133.66* | |
| 23 31 13 13-0773 | LF | 58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 533.43 | 271.70 |
| | | *For Seal Class B, Add* | *67.93* | |
| | | *For Seal Class A, Add* | *144.91* | |
| | | *For Work In Restricted Working Space, Add* | *135.85* | |
| 23 31 13 13-0774 | LF | 60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 516.23 | 262.93 |
| | | *For Seal Class B, Add* | *65.73* | |
| | | *For Seal Class A, Add* | *140.23* | |
| | | *For Work In Restricted Working Space, Add* | *131.47* | |
| 23 31 13 13-0775 | LF | 60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 524.84 | 267.33 |
| | | *For Seal Class B, Add* | *66.83* | |
| | | *For Seal Class A, Add* | *142.57* | |
| | | *For Work In Restricted Working Space, Add* | *133.66* | |
| 23 31 13 13-0776 | LF | 60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 533.43 | 271.70 |
| | | *For Seal Class B, Add* | *67.93* | |
| | | *For Seal Class A, Add* | *144.91* | |
| | | *For Work In Restricted Working Space, Add* | *135.85* | |
| 23 31 13 13-0777 | LF | 60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 542.05 | 276.08 |
| | | *For Seal Class B, Add* | *69.02* | |
| | | *For Seal Class A, Add* | *147.25* | |
| | | *For Work In Restricted Working Space, Add* | *138.05* | |
| 23 31 13 13-0778 | LF | 60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 550.66 | 280.47 |
| | | *For Seal Class B, Add* | *70.12* | |
| | | *For Seal Class A, Add* | *149.58* | |
| | | *For Work In Restricted Working Space, Add* | *140.24* | |
| 23 31 13 13-0779 | LF | 62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 533.43 | 271.70 |
| | | *For Seal Class B, Add* | *67.93* | |
| | | *For Seal Class A, Add* | *144.91* | |
| | | *For Work In Restricted Working Space, Add* | *135.85* | |
| 23 31 13 13-0780 | LF | 62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 542.05 | 276.08 |
| | | *For Seal Class B, Add* | *69.02* | |
| | | *For Seal Class A, Add* | *147.25* | |
| | | *For Work In Restricted Working Space, Add* | *138.05* | |
| 23 31 13 13-0781 | LF | 62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 550.66 | 280.47 |
| | | *For Seal Class B, Add* | *70.12* | |
| | | *For Seal Class A, Add* | *149.58* | |
| | | *For Work In Restricted Working Space, Add* | *140.24* | |
| 23 31 13 13-0782 | LF | 62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 559.26 | 284.85 |
| | | *For Seal Class B, Add* | *71.21* | |
| | | *For Seal Class A, Add* | *151.92* | |
| | | *For Work In Restricted Working Space, Add* | *142.43* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0783 | LF | 62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 567.86 | 289.23 |
| | | *For Seal Class B, Add* | *72.31* | |
| | | *For Seal Class A, Add* | *154.26* | |
| | | *For Work In Restricted Working Space, Add* | *144.62* | |
| 23 31 13 13-0784 | LF | 64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 550.66 | 280.47 |
| | | *For Seal Class B, Add* | *70.12* | |
| | | *For Seal Class A, Add* | *149.58* | |
| | | *For Work In Restricted Working Space, Add* | *140.24* | |
| 23 31 13 13-0785 | LF | 64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 559.26 | 284.85 |
| | | *For Seal Class B, Add* | *71.21* | |
| | | *For Seal Class A, Add* | *151.92* | |
| | | *For Work In Restricted Working Space, Add* | *142.43* | |
| 23 31 13 13-0786 | LF | 64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 567.86 | 289.23 |
| | | *For Seal Class B, Add* | *72.31* | |
| | | *For Seal Class A, Add* | *154.26* | |
| | | *For Work In Restricted Working Space, Add* | *144.62* | |
| 23 31 13 13-0787 | LF | 64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 576.45 | 293.62 |
| | | *For Seal Class B, Add* | *73.40* | |
| | | *For Seal Class A, Add* | *156.60* | |
| | | *For Work In Restricted Working Space, Add* | *146.81* | |
| 23 31 13 13-0788 | LF | 66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 567.86 | 289.23 |
| | | *For Seal Class B, Add* | *72.31* | |
| | | *For Seal Class A, Add* | *154.26* | |
| | | *For Work In Restricted Working Space, Add* | *144.62* | |
| 23 31 13 13-0789 | LF | 66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 576.45 | 293.62 |
| | | *For Seal Class B, Add* | *73.40* | |
| | | *For Seal Class A, Add* | *156.60* | |
| | | *For Work In Restricted Working Space, Add* | *146.81* | |
| 23 31 13 13-0790 | LF | 66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 585.06 | 297.99 |
| | | *For Seal Class B, Add* | *74.50* | |
| | | *For Seal Class A, Add* | *158.93* | |
| | | *For Work In Restricted Working Space, Add* | *149.00* | |
| 23 31 13 13-0791 | LF | 66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 593.67 | 302.38 |
| | | *For Seal Class B, Add* | *75.59* | |
| | | *For Seal Class A, Add* | *161.27* | |
| | | *For Work In Restricted Working Space, Add* | *151.19* | |
| 23 31 13 13-0792 | LF | 68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 585.06 | 297.99 |
| | | *For Seal Class B, Add* | *74.50* | |
| | | *For Seal Class A, Add* | *158.93* | |
| | | *For Work In Restricted Working Space, Add* | *149.00* | |
| 23 31 13 13-0793 | LF | 68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 593.67 | 302.38 |
| | | *For Seal Class B, Add* | *75.59* | |
| | | *For Seal Class A, Add* | *161.27* | |
| | | *For Work In Restricted Working Space, Add* | *151.19* | |
| 23 31 13 13-0794 | LF | 68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 602.26 | 306.76 |
| | | *For Seal Class B, Add* | *76.69* | |
| | | *For Seal Class A, Add* | *163.61* | |
| | | *For Work In Restricted Working Space, Add* | *153.38* | |
| 23 31 13 13-0795 | LF | 68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 610.88 | 311.15 |
| | | *For Seal Class B, Add* | *77.79* | |
| | | *For Seal Class A, Add* | *165.95* | |
| | | *For Work In Restricted Working Space, Add* | *155.57* | |
| 23 31 13 13-0796 | LF | 70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 602.26 | 306.76 |
| | | *For Seal Class B, Add* | *76.69* | |
| | | *For Seal Class A, Add* | *163.61* | |
| | | *For Work In Restricted Working Space, Add* | *153.38* | |
| 23 31 13 13-0797 | LF | 70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 610.88 | 311.15 |
| | | *For Seal Class B, Add* | *77.79* | |
| | | *For Seal Class A, Add* | *165.95* | |
| | | *For Work In Restricted Working Space, Add* | *155.57* | |
| 23 31 13 13-0798 | LF | 70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 619.49 | 315.52 |
| | | *For Seal Class B, Add* | *78.88* | |
| | | *For Seal Class A, Add* | *168.28* | |
| | | *For Work In Restricted Working Space, Add* | *157.76* | |
| 23 31 13 13-0799 | LF | 70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 628.08 | 319.92 |
| | | *For Seal Class B, Add* | *79.98* | |
| | | *For Seal Class A, Add* | *170.62* | |
| | | *For Work In Restricted Working Space, Add* | *159.95* | |
| 23 31 13 13-0800 | LF | 70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 636.70 | 324.29 |
| | | *For Seal Class B, Add* | *81.07* | |
| | | *For Seal Class A, Add* | *172.96* | |
| | | *For Work In Restricted Working Space, Add* | *162.15* | |
| 23 31 13 13-0801 | LF | 70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 645.27 | 328.67 |
| | | *For Seal Class B, Add* | *82.17* | |
| | | *For Seal Class A, Add* | *175.29* | |
| | | *For Work In Restricted Working Space, Add* | *164.33* | |
| 23 31 13 13-0802 | LF | 70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 653.90 | 333.06 |
| | | *For Seal Class B, Add* | *83.27* | |
| | | *For Seal Class A, Add* | *177.63* | |
| | | *For Work In Restricted Working Space, Add* | *166.53* | |
| 23 31 13 13-0803 | LF | 70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 662.51 | 337.44 |
| | | *For Seal Class B, Add* | *84.36* | |
| | | *For Seal Class A, Add* | *179.97* | |
| | | *For Work In Restricted Working Space, Add* | *168.72* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0804 | LF | 72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 619.49 | 315.52 |
| | | *For Seal Class B, Add* | *78.88* | |
| | | *For Seal Class A, Add* | *168.28* | |
| | | *For Work In Restricted Working Space, Add* | *157.76* | |
| 23 31 13 13-0805 | LF | 72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 628.08 | 319.92 |
| | | *For Seal Class B, Add* | *79.98* | |
| | | *For Seal Class A, Add* | *170.62* | |
| | | *For Work In Restricted Working Space, Add* | *159.95* | |
| 23 31 13 13-0806 | LF | 72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 636.70 | 324.29 |
| | | *For Seal Class B, Add* | *81.07* | |
| | | *For Seal Class A, Add* | *172.96* | |
| | | *For Work In Restricted Working Space, Add* | *162.15* | |
| 23 31 13 13-0807 | LF | 72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 645.27 | 328.67 |
| | | *For Seal Class B, Add* | *82.17* | |
| | | *For Seal Class A, Add* | *175.29* | |
| | | *For Work In Restricted Working Space, Add* | *164.33* | |
| 23 31 13 13-0808 | LF | 72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 653.90 | 333.06 |
| | | *For Seal Class B, Add* | *83.27* | |
| | | *For Seal Class A, Add* | *177.63* | |
| | | *For Work In Restricted Working Space, Add* | *166.53* | |
| 23 31 13 13-0809 | LF | 72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 662.51 | 337.44 |
| | | *For Seal Class B, Add* | *84.36* | |
| | | *For Seal Class A, Add* | *179.97* | |
| | | *For Work In Restricted Working Space, Add* | *168.72* | |
| 23 31 13 13-0810 | LF | 72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 671.10 | 341.81 |
| | | *For Seal Class B, Add* | *85.46* | |
| | | *For Seal Class A, Add* | *182.31* | |
| | | *For Work In Restricted Working Space, Add* | *170.91* | |
| 23 31 13 13-0811 | LF | 74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 636.70 | 324.29 |
| | | *For Seal Class B, Add* | *81.07* | |
| | | *For Seal Class A, Add* | *172.96* | |
| | | *For Work In Restricted Working Space, Add* | *162.15* | |
| 23 31 13 13-0812 | LF | 74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 645.27 | 328.67 |
| | | *For Seal Class B, Add* | *82.17* | |
| | | *For Seal Class A, Add* | *175.29* | |
| | | *For Work In Restricted Working Space, Add* | *164.33* | |
| 23 31 13 13-0813 | LF | 74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 653.90 | 333.06 |
| | | *For Seal Class B, Add* | *83.27* | |
| | | *For Seal Class A, Add* | *177.63* | |
| | | *For Work In Restricted Working Space, Add* | *166.53* | |
| 23 31 13 13-0814 | LF | 74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 662.51 | 337.44 |
| | | *For Seal Class B, Add* | *84.36* | |
| | | *For Seal Class A, Add* | *179.97* | |
| | | *For Work In Restricted Working Space, Add* | *168.72* | |
| 23 31 13 13-0815 | LF | 74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 671.10 | 341.81 |
| | | *For Seal Class B, Add* | *85.46* | |
| | | *For Seal Class A, Add* | *182.31* | |
| | | *For Work In Restricted Working Space, Add* | *170.91* | |
| 23 31 13 13-0816 | LF | 74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 679.71 | 346.21 |
| | | *For Seal Class B, Add* | *86.55* | |
| | | *For Seal Class A, Add* | *184.64* | |
| | | *For Work In Restricted Working Space, Add* | *173.10* | |
| 23 31 13 13-0817 | LF | 76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 653.90 | 333.06 |
| | | *For Seal Class B, Add* | *83.27* | |
| | | *For Seal Class A, Add* | *177.63* | |
| | | *For Work In Restricted Working Space, Add* | *166.53* | |
| 23 31 13 13-0818 | LF | 76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 662.51 | 337.44 |
| | | *For Seal Class B, Add* | *84.36* | |
| | | *For Seal Class A, Add* | *179.97* | |
| | | *For Work In Restricted Working Space, Add* | *168.72* | |
| 23 31 13 13-0819 | LF | 76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 671.10 | 341.81 |
| | | *For Seal Class B, Add* | *85.46* | |
| | | *For Seal Class A, Add* | *182.31* | |
| | | *For Work In Restricted Working Space, Add* | *170.91* | |
| 23 31 13 13-0820 | LF | 76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 679.71 | 346.21 |
| | | *For Seal Class B, Add* | *86.55* | |
| | | *For Seal Class A, Add* | *184.64* | |
| | | *For Work In Restricted Working Space, Add* | *173.10* | |
| 23 31 13 13-0821 | LF | 76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 688.30 | 350.58 |
| | | *For Seal Class B, Add* | *87.65* | |
| | | *For Seal Class A, Add* | *186.98* | |
| | | *For Work In Restricted Working Space, Add* | *175.29* | |
| 23 31 13 13-0822 | LF | 78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 671.10 | 341.81 |
| | | *For Seal Class B, Add* | *85.46* | |
| | | *For Seal Class A, Add* | *182.31* | |
| | | *For Work In Restricted Working Space, Add* | *170.91* | |
| 23 31 13 13-0823 | LF | 78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 679.71 | 346.21 |
| | | *For Seal Class B, Add* | *86.55* | |
| | | *For Seal Class A, Add* | *184.64* | |
| | | *For Work In Restricted Working Space, Add* | *173.10* | |
| 23 31 13 13-0824 | LF | 78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 688.30 | 350.58 |
| | | *For Seal Class B, Add* | *87.65* | |
| | | *For Seal Class A, Add* | *186.98* | |
| | | *For Work In Restricted Working Space, Add* | *175.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0825 | LF | 78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 696.91 | 354.97 |
| | | *For Seal Class B, Add* | *88.74* | |
| | | *For Seal Class A, Add* | *189.32* | |
| | | *For Work In Restricted Working Space, Add* | *177.48* | |
| 23 31 13 13-0826 | LF | 80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 688.30 | 350.58 |
| | | *For Seal Class B, Add* | *87.65* | |
| | | *For Seal Class A, Add* | *186.98* | |
| | | *For Work In Restricted Working Space, Add* | *175.29* | |
| 23 31 13 13-0827 | LF | 80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 696.91 | 354.97 |
| | | *For Seal Class B, Add* | *88.74* | |
| | | *For Seal Class A, Add* | *189.32* | |
| | | *For Work In Restricted Working Space, Add* | *177.48* | |
| 23 31 13 13-0828 | LF | 80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 705.52 | 359.35 |
| | | *For Seal Class B, Add* | *89.84* | |
| | | *For Seal Class A, Add* | *191.65* | |
| | | *For Work In Restricted Working Space, Add* | *179.67* | |
| 23 31 13 13-0829 | LF | 82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 705.52 | 359.35 |
| | | *For Seal Class B, Add* | *89.84* | |
| | | *For Seal Class A, Add* | *191.65* | |
| | | *For Work In Restricted Working Space, Add* | *179.67* | |
| 23 31 13 13-0830 | LF | 82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 714.12 | 363.74 |
| | | *For Seal Class B, Add* | *90.93* | |
| | | *For Seal Class A, Add* | *193.99* | |
| | | *For Work In Restricted Working Space, Add* | *181.87* | |
| 23 31 13 13-0831 | LF | 84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 722.73 | 368.11 |
| | | *For Seal Class B, Add* | *92.03* | |
| | | *For Seal Class A, Add* | *196.33* | |
| | | *For Work In Restricted Working Space, Add* | *184.06* | |

### 23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

| | | | | |
|---|---|---|---|---|
| 23 31 13 13-0833 | LF | 4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 44.81 | 22.81 |
| | | *For Seal Class B, Add* | *5.71* | |
| | | *For Seal Class A, Add* | *12.17* | |
| | | *For Work In Restricted Working Space, Add* | *11.41* | |
| 23 31 13 13-0834 | LF | 4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 56.01 | 28.53 |
| | | *For Seal Class B, Add* | *7.13* | |
| | | *For Seal Class A, Add* | *15.22* | |
| | | *For Work In Restricted Working Space, Add* | *14.27* | |
| 23 31 13 13-0835 | LF | 4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 67.20 | 34.24 |
| | | *For Seal Class B, Add* | *8.56* | |
| | | *For Seal Class A, Add* | *18.26* | |
| | | *For Work In Restricted Working Space, Add* | *17.12* | |
| 23 31 13 13-0836 | LF | 4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 78.41 | 39.94 |
| | | *For Seal Class B, Add* | *9.99* | |
| | | *For Seal Class A, Add* | *21.30* | |
| | | *For Work In Restricted Working Space, Add* | *19.97* | |
| 23 31 13 13-0837 | LF | 4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 89.62 | 45.65 |
| | | *For Seal Class B, Add* | *11.41* | |
| | | *For Seal Class A, Add* | *24.34* | |
| | | *For Work In Restricted Working Space, Add* | *22.82* | |
| 23 31 13 13-0838 | LF | 4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 100.82 | 51.35 |
| | | *For Seal Class B, Add* | *12.84* | |
| | | *For Seal Class A, Add* | *27.39* | |
| | | *For Work In Restricted Working Space, Add* | *25.67* | |
| 23 31 13 13-0839 | LF | 4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 112.01 | 57.05 |
| | | *For Seal Class B, Add* | *14.26* | |
| | | *For Seal Class A, Add* | *30.43* | |
| | | *For Work In Restricted Working Space, Add* | *28.53* | |
| 23 31 13 13-0840 | LF | 6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 67.20 | 34.24 |
| | | *For Seal Class B, Add* | *8.56* | |
| | | *For Seal Class A, Add* | *18.26* | |
| | | *For Work In Restricted Working Space, Add* | *17.12* | |
| 23 31 13 13-0841 | LF | 6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 78.41 | 39.94 |
| | | *For Seal Class B, Add* | *9.99* | |
| | | *For Seal Class A, Add* | *21.30* | |
| | | *For Work In Restricted Working Space, Add* | *19.97* | |
| 23 31 13 13-0842 | LF | 6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 89.62 | 45.65 |
| | | *For Seal Class B, Add* | *11.41* | |
| | | *For Seal Class A, Add* | *24.34* | |
| | | *For Work In Restricted Working Space, Add* | *22.82* | |
| 23 31 13 13-0843 | LF | 6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 100.82 | 51.35 |
| | | *For Seal Class B, Add* | *12.84* | |
| | | *For Seal Class A, Add* | *27.39* | |
| | | *For Work In Restricted Working Space, Add* | *25.67* | |
| 23 31 13 13-0844 | LF | 6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 112.01 | 57.05 |
| | | *For Seal Class B, Add* | *14.26* | |
| | | *For Seal Class A, Add* | *30.43* | |
| | | *For Work In Restricted Working Space, Add* | *28.53* | |
| 23 31 13 13-0845 | LF | 6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 123.22 | 62.76 |
| | | *For Seal Class B, Add* | *15.69* | |
| | | *For Seal Class A, Add* | *33.48* | |
| | | *For Work In Restricted Working Space, Add* | *31.38* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0846 | LF | 8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 89.62 | 45.65 |
| | | *For Seal Class B, Add* | *11.41* | |
| | | *For Seal Class A, Add* | *24.34* | |
| | | *For Work In Restricted Working Space, Add* | *22.82* | |
| 23 31 13 13-0847 | LF | 8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 100.82 | 51.35 |
| | | *For Seal Class B, Add* | *12.84* | |
| | | *For Seal Class A, Add* | *27.39* | |
| | | *For Work In Restricted Working Space, Add* | *25.67* | |
| 23 31 13 13-0848 | LF | 8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 112.01 | 57.05 |
| | | *For Seal Class B, Add* | *14.26* | |
| | | *For Seal Class A, Add* | *30.43* | |
| | | *For Work In Restricted Working Space, Add* | *28.53* | |
| 23 31 13 13-0849 | LF | 8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 123.22 | 62.76 |
| | | *For Seal Class B, Add* | *15.69* | |
| | | *For Seal Class A, Add* | *33.48* | |
| | | *For Work In Restricted Working Space, Add* | *31.38* | |
| 23 31 13 13-0850 | LF | 8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 134.41 | 68.46 |
| | | *For Seal Class B, Add* | *17.12* | |
| | | *For Seal Class A, Add* | *36.52* | |
| | | *For Work In Restricted Working Space, Add* | *34.23* | |
| 23 31 13 13-0851 | LF | 8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 145.63 | 74.16 |
| | | *For Seal Class B, Add* | *18.54* | |
| | | *For Seal Class A, Add* | *39.56* | |
| | | *For Work In Restricted Working Space, Add* | *37.09* | |
| 23 31 13 13-0852 | LF | 8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 156.82 | 79.88 |
| | | *For Seal Class B, Add* | *19.97* | |
| | | *For Seal Class A, Add* | *42.60* | |
| | | *For Work In Restricted Working Space, Add* | *39.94* | |
| 23 31 13 13-0853 | LF | 8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 168.03 | 85.58 |
| | | *For Seal Class B, Add* | *21.40* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0854 | LF | 8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 179.21 | 91.29 |
| | | *For Seal Class B, Add* | *22.82* | |
| | | *For Seal Class A, Add* | *48.68* | |
| | | *For Work In Restricted Working Space, Add* | *45.64* | |
| 23 31 13 13-0855 | LF | 10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 112.01 | 57.05 |
| | | *For Seal Class B, Add* | *14.26* | |
| | | *For Seal Class A, Add* | *30.43* | |
| | | *For Work In Restricted Working Space, Add* | *28.53* | |
| 23 31 13 13-0856 | LF | 10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 123.22 | 62.76 |
| | | *For Seal Class B, Add* | *15.69* | |
| | | *For Seal Class A, Add* | *33.48* | |
| | | *For Work In Restricted Working Space, Add* | *31.38* | |
| 23 31 13 13-0857 | LF | 10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 134.41 | 68.46 |
| | | *For Seal Class B, Add* | *17.12* | |
| | | *For Seal Class A, Add* | *36.52* | |
| | | *For Work In Restricted Working Space, Add* | *34.23* | |
| 23 31 13 13-0858 | LF | 10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 145.63 | 74.16 |
| | | *For Seal Class B, Add* | *18.54* | |
| | | *For Seal Class A, Add* | *39.56* | |
| | | *For Work In Restricted Working Space, Add* | *37.09* | |
| 23 31 13 13-0859 | LF | 10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 156.82 | 79.88 |
| | | *For Seal Class B, Add* | *19.97* | |
| | | *For Seal Class A, Add* | *42.60* | |
| | | *For Work In Restricted Working Space, Add* | *39.94* | |
| 23 31 13 13-0860 | LF | 10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 168.03 | 85.58 |
| | | *For Seal Class B, Add* | *21.40* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0861 | LF | 10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 179.21 | 91.29 |
| | | *For Seal Class B, Add* | *22.82* | |
| | | *For Seal Class A, Add* | *48.68* | |
| | | *For Work In Restricted Working Space, Add* | *45.64* | |
| 23 31 13 13-0862 | LF | 10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 190.42 | 97.00 |
| | | *For Seal Class B, Add* | *24.25* | |
| | | *For Seal Class A, Add* | *51.73* | |
| | | *For Work In Restricted Working Space, Add* | *48.50* | |
| 23 31 13 13-0863 | LF | 10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 201.63 | 102.70 |
| | | *For Seal Class B, Add* | *25.67* | |
| | | *For Seal Class A, Add* | *54.77* | |
| | | *For Work In Restricted Working Space, Add* | *51.35* | |
| 23 31 13 13-0864 | LF | 10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 212.84 | 108.41 |
| | | *For Seal Class B, Add* | *27.10* | |
| | | *For Seal Class A, Add* | *57.82* | |
| | | *For Work In Restricted Working Space, Add* | *54.20* | |
| 23 31 13 13-0865 | LF | 10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 224.03 | 114.11 |
| | | *For Seal Class B, Add* | *28.53* | |
| | | *For Seal Class A, Add* | *60.86* | |
| | | *For Work In Restricted Working Space, Add* | *57.05* | |
| 23 31 13 13-0866 | LF | 10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 235.23 | 119.81 |
| | | *For Seal Class B, Add* | *29.95* | |
| | | *For Seal Class A, Add* | *63.90* | |
| | | *For Work In Restricted Working Space, Add* | *59.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0867 | LF | 12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 134.41 | 68.46 |
| | | *For Seal Class B, Add* | *17.12* | |
| | | *For Seal Class A, Add* | *36.52* | |
| | | *For Work In Restricted Working Space, Add* | *34.23* | |
| 23 31 13 13-0868 | LF | 12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 145.63 | 74.16 |
| | | *For Seal Class B, Add* | *18.54* | |
| | | *For Seal Class A, Add* | *39.56* | |
| | | *For Work In Restricted Working Space, Add* | *37.09* | |
| 23 31 13 13-0869 | LF | 12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 156.82 | 79.88 |
| | | *For Seal Class B, Add* | *19.97* | |
| | | *For Seal Class A, Add* | *42.60* | |
| | | *For Work In Restricted Working Space, Add* | *39.94* | |
| 23 31 13 13-0870 | LF | 12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 168.03 | 85.58 |
| | | *For Seal Class B, Add* | *21.40* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0871 | LF | 12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 179.21 | 91.29 |
| | | *For Seal Class B, Add* | *22.82* | |
| | | *For Seal Class A, Add* | *48.68* | |
| | | *For Work In Restricted Working Space, Add* | *45.64* | |
| 23 31 13 13-0872 | LF | 12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 190.42 | 97.00 |
| | | *For Seal Class B, Add* | *24.25* | |
| | | *For Seal Class A, Add* | *51.73* | |
| | | *For Work In Restricted Working Space, Add* | *48.50* | |
| 23 31 13 13-0873 | LF | 12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 201.63 | 102.70 |
| | | *For Seal Class B, Add* | *25.67* | |
| | | *For Seal Class A, Add* | *54.77* | |
| | | *For Work In Restricted Working Space, Add* | *51.35* | |
| 23 31 13 13-0874 | LF | 12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 212.84 | 108.41 |
| | | *For Seal Class B, Add* | *27.10* | |
| | | *For Seal Class A, Add* | *57.82* | |
| | | *For Work In Restricted Working Space, Add* | *54.20* | |
| 23 31 13 13-0875 | LF | 12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 224.03 | 114.11 |
| | | *For Seal Class B, Add* | *28.53* | |
| | | *For Seal Class A, Add* | *60.86* | |
| | | *For Work In Restricted Working Space, Add* | *57.05* | |
| 23 31 13 13-0876 | LF | 12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 235.23 | 119.81 |
| | | *For Seal Class B, Add* | *29.95* | |
| | | *For Seal Class A, Add* | *63.90* | |
| | | *For Work In Restricted Working Space, Add* | *59.91* | |
| 23 31 13 13-0877 | LF | 12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 246.41 | 125.52 |
| | | *For Seal Class B, Add* | *31.38* | |
| | | *For Seal Class A, Add* | *66.94* | |
| | | *For Work In Restricted Working Space, Add* | *62.76* | |
| 23 31 13 13-0878 | LF | 12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 257.65 | 131.23 |
| | | *For Seal Class B, Add* | *32.81* | |
| | | *For Seal Class A, Add* | *69.99* | |
| | | *For Work In Restricted Working Space, Add* | *65.61* | |
| 23 31 13 13-0879 | LF | 12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 268.85 | 136.93 |
| | | *For Seal Class B, Add* | *34.23* | |
| | | *For Seal Class A, Add* | *73.03* | |
| | | *For Work In Restricted Working Space, Add* | *68.47* | |
| 23 31 13 13-0880 | LF | 14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 156.82 | 79.88 |
| | | *For Seal Class B, Add* | *19.97* | |
| | | *For Seal Class A, Add* | *42.60* | |
| | | *For Work In Restricted Working Space, Add* | *39.94* | |
| 23 31 13 13-0881 | LF | 14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 168.03 | 85.58 |
| | | *For Seal Class B, Add* | *21.40* | |
| | | *For Seal Class A, Add* | *45.64* | |
| | | *For Work In Restricted Working Space, Add* | *42.79* | |
| 23 31 13 13-0882 | LF | 14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 179.21 | 91.29 |
| | | *For Seal Class B, Add* | *22.82* | |
| | | *For Seal Class A, Add* | *48.68* | |
| | | *For Work In Restricted Working Space, Add* | *45.64* | |
| 23 31 13 13-0883 | LF | 14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 190.42 | 97.00 |
| | | *For Seal Class B, Add* | *24.25* | |
| | | *For Seal Class A, Add* | *51.73* | |
| | | *For Work In Restricted Working Space, Add* | *48.50* | |
| 23 31 13 13-0884 | LF | 14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 201.63 | 102.70 |
| | | *For Seal Class B, Add* | *25.67* | |
| | | *For Seal Class A, Add* | *54.77* | |
| | | *For Work In Restricted Working Space, Add* | *51.35* | |
| 23 31 13 13-0885 | LF | 14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 212.84 | 108.41 |
| | | *For Seal Class B, Add* | *27.10* | |
| | | *For Seal Class A, Add* | *57.82* | |
| | | *For Work In Restricted Working Space, Add* | *54.20* | |
| 23 31 13 13-0886 | LF | 14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 224.03 | 114.11 |
| | | *For Seal Class B, Add* | *28.53* | |
| | | *For Seal Class A, Add* | *60.86* | |
| | | *For Work In Restricted Working Space, Add* | *57.05* | |
| 23 31 13 13-0887 | LF | 14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 235.23 | 119.81 |
| | | *For Seal Class B, Add* | *29.95* | |
| | | *For Seal Class A, Add* | *63.90* | |
| | | *For Work In Restricted Working Space, Add* | *59.91* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0888 | LF | 14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 246.41 | 125.52 |
| | | *For Seal Class B, Add* | *31.38* | |
| | | *For Seal Class A, Add* | *66.94* | |
| | | *For Work In Restricted Working Space, Add* | *62.76* | |
| 23 31 13 13-0889 | LF | 14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 257.65 | 131.23 |
| | | *For Seal Class B, Add* | *32.81* | |
| | | *For Seal Class A, Add* | *69.99* | |
| | | *For Work In Restricted Working Space, Add* | *65.61* | |
| 23 31 13 13-0890 | LF | 14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 268.85 | 136.93 |
| | | *For Seal Class B, Add* | *34.23* | |
| | | *For Seal Class A, Add* | *73.03* | |
| | | *For Work In Restricted Working Space, Add* | *68.47* | |
| 23 31 13 13-0891 | LF | 14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 280.04 | 142.64 |
| | | *For Seal Class B, Add* | *35.66* | |
| | | *For Seal Class A, Add* | *76.07* | |
| | | *For Work In Restricted Working Space, Add* | *71.32* | |
| 23 31 13 13-0892 | LF | 16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 179.21 | 91.29 |
| | | *For Seal Class B, Add* | *22.82* | |
| | | *For Seal Class A, Add* | *48.68* | |
| | | *For Work In Restricted Working Space, Add* | *45.64* | |
| 23 31 13 13-0893 | LF | 16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 190.42 | 97.00 |
| | | *For Seal Class B, Add* | *24.25* | |
| | | *For Seal Class A, Add* | *51.73* | |
| | | *For Work In Restricted Working Space, Add* | *48.50* | |
| 23 31 13 13-0894 | LF | 16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 201.63 | 102.70 |
| | | *For Seal Class B, Add* | *25.67* | |
| | | *For Seal Class A, Add* | *54.77* | |
| | | *For Work In Restricted Working Space, Add* | *51.35* | |
| 23 31 13 13-0895 | LF | 16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 212.84 | 108.41 |
| | | *For Seal Class B, Add* | *27.10* | |
| | | *For Seal Class A, Add* | *57.82* | |
| | | *For Work In Restricted Working Space, Add* | *54.20* | |
| 23 31 13 13-0896 | LF | 16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 224.03 | 114.11 |
| | | *For Seal Class B, Add* | *28.53* | |
| | | *For Seal Class A, Add* | *60.86* | |
| | | *For Work In Restricted Working Space, Add* | *57.05* | |
| 23 31 13 13-0897 | LF | 16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 235.23 | 119.81 |
| | | *For Seal Class B, Add* | *29.95* | |
| | | *For Seal Class A, Add* | *63.90* | |
| | | *For Work In Restricted Working Space, Add* | *59.91* | |
| 23 31 13 13-0898 | LF | 16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 246.41 | 125.52 |
| | | *For Seal Class B, Add* | *31.38* | |
| | | *For Seal Class A, Add* | *66.94* | |
| | | *For Work In Restricted Working Space, Add* | *62.76* | |
| 23 31 13 13-0899 | LF | 16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 257.65 | 131.23 |
| | | *For Seal Class B, Add* | *32.81* | |
| | | *For Seal Class A, Add* | *69.99* | |
| | | *For Work In Restricted Working Space, Add* | *65.61* | |
| 23 31 13 13-0900 | LF | 16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 268.85 | 136.93 |
| | | *For Seal Class B, Add* | *34.23* | |
| | | *For Seal Class A, Add* | *73.03* | |
| | | *For Work In Restricted Working Space, Add* | *68.47* | |
| 23 31 13 13-0901 | LF | 16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 280.04 | 142.64 |
| | | *For Seal Class B, Add* | *35.66* | |
| | | *For Seal Class A, Add* | *76.07* | |
| | | *For Work In Restricted Working Space, Add* | *71.32* | |
| 23 31 13 13-0902 | LF | 16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 291.24 | 148.34 |
| | | *For Seal Class B, Add* | *37.09* | |
| | | *For Seal Class A, Add* | *79.12* | |
| | | *For Work In Restricted Working Space, Add* | *74.17* | |
| 23 31 13 13-0903 | LF | 16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 302.44 | 154.04 |
| | | *For Seal Class B, Add* | *38.51* | |
| | | *For Seal Class A, Add* | *82.16* | |
| | | *For Work In Restricted Working Space, Add* | *77.03* | |
| 23 31 13 13-0904 | LF | 16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 313.66 | 159.76 |
| | | *For Seal Class B, Add* | *39.94* | |
| | | *For Seal Class A, Add* | *85.20* | |
| | | *For Work In Restricted Working Space, Add* | *79.88* | |
| 23 31 13 13-0905 | LF | 16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 324.85 | 165.46 |
| | | *For Seal Class B, Add* | *41.36* | |
| | | *For Seal Class A, Add* | *88.24* | |
| | | *For Work In Restricted Working Space, Add* | *82.73* | |
| 23 31 13 13-0906 | LF | 16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 336.05 | 171.16 |
| | | *For Seal Class B, Add* | *42.79* | |
| | | *For Seal Class A, Add* | *91.29* | |
| | | *For Work In Restricted Working Space, Add* | *85.58* | |
| 23 31 13 13-0907 | LF | 18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 201.63 | 102.70 |
| | | *For Seal Class B, Add* | *25.67* | |
| | | *For Seal Class A, Add* | *54.77* | |
| | | *For Work In Restricted Working Space, Add* | *51.35* | |
| 23 31 13 13-0908 | LF | 18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 212.84 | 108.41 |
| | | *For Seal Class B, Add* | *27.10* | |
| | | *For Seal Class A, Add* | *57.82* | |
| | | *For Work In Restricted Working Space, Add* | *54.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0909 | LF | 18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 224.03 | 114.11 |
| | | *For Seal Class B, Add* | *28.53* | |
| | | *For Seal Class A, Add* | *60.86* | |
| | | *For Work In Restricted Working Space, Add* | *57.05* | |
| 23 31 13 13-0910 | LF | 18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 235.23 | 119.81 |
| | | *For Seal Class B, Add* | *29.95* | |
| | | *For Seal Class A, Add* | *63.90* | |
| | | *For Work In Restricted Working Space, Add* | *59.91* | |
| 23 31 13 13-0911 | LF | 18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 246.41 | 125.52 |
| | | *For Seal Class B, Add* | *31.38* | |
| | | *For Seal Class A, Add* | *66.94* | |
| | | *For Work In Restricted Working Space, Add* | *62.76* | |
| 23 31 13 13-0912 | LF | 18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 257.65 | 131.23 |
| | | *For Seal Class B, Add* | *32.81* | |
| | | *For Seal Class A, Add* | *69.99* | |
| | | *For Work In Restricted Working Space, Add* | *65.61* | |
| 23 31 13 13-0913 | LF | 18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 268.85 | 136.93 |
| | | *For Seal Class B, Add* | *34.23* | |
| | | *For Seal Class A, Add* | *73.03* | |
| | | *For Work In Restricted Working Space, Add* | *68.47* | |
| 23 31 13 13-0914 | LF | 18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 280.04 | 142.64 |
| | | *For Seal Class B, Add* | *35.66* | |
| | | *For Seal Class A, Add* | *76.07* | |
| | | *For Work In Restricted Working Space, Add* | *71.32* | |
| 23 31 13 13-0915 | LF | 18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 291.24 | 148.34 |
| | | *For Seal Class B, Add* | *37.09* | |
| | | *For Seal Class A, Add* | *79.12* | |
| | | *For Work In Restricted Working Space, Add* | *74.17* | |
| 23 31 13 13-0916 | LF | 18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 302.44 | 154.04 |
| | | *For Seal Class B, Add* | *38.51* | |
| | | *For Seal Class A, Add* | *82.16* | |
| | | *For Work In Restricted Working Space, Add* | *77.03* | |
| 23 31 13 13-0917 | LF | 18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 313.66 | 159.76 |
| | | *For Seal Class B, Add* | *39.94* | |
| | | *For Seal Class A, Add* | *85.20* | |
| | | *For Work In Restricted Working Space, Add* | *79.88* | |
| 23 31 13 13-0918 | LF | 18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 324.85 | 165.46 |
| | | *For Seal Class B, Add* | *41.36* | |
| | | *For Seal Class A, Add* | *88.24* | |
| | | *For Work In Restricted Working Space, Add* | *82.73* | |
| 23 31 13 13-0919 | LF | 18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 336.05 | 171.16 |
| | | *For Seal Class B, Add* | *42.79* | |
| | | *For Seal Class A, Add* | *91.29* | |
| | | *For Work In Restricted Working Space, Add* | *85.58* | |
| 23 31 13 13-0920 | LF | 18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 347.25 | 176.88 |
| | | *For Seal Class B, Add* | *44.22* | |
| | | *For Seal Class A, Add* | *94.33* | |
| | | *For Work In Restricted Working Space, Add* | *88.44* | |
| 23 31 13 13-0921 | LF | 18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 358.47 | 182.58 |
| | | *For Seal Class B, Add* | *45.65* | |
| | | *For Seal Class A, Add* | *97.38* | |
| | | *For Work In Restricted Working Space, Add* | *91.29* | |
| 23 31 13 13-0922 | LF | 20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 224.03 | 114.11 |
| | | *For Seal Class B, Add* | *28.53* | |
| | | *For Seal Class A, Add* | *60.86* | |
| | | *For Work In Restricted Working Space, Add* | *57.05* | |
| 23 31 13 13-0923 | LF | 20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 235.23 | 119.81 |
| | | *For Seal Class B, Add* | *29.95* | |
| | | *For Seal Class A, Add* | *63.90* | |
| | | *For Work In Restricted Working Space, Add* | *59.91* | |
| 23 31 13 13-0924 | LF | 20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 246.41 | 125.52 |
| | | *For Seal Class B, Add* | *31.38* | |
| | | *For Seal Class A, Add* | *66.94* | |
| | | *For Work In Restricted Working Space, Add* | *62.76* | |
| 23 31 13 13-0925 | LF | 20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 257.65 | 131.23 |
| | | *For Seal Class B, Add* | *32.81* | |
| | | *For Seal Class A, Add* | *69.99* | |
| | | *For Work In Restricted Working Space, Add* | *65.61* | |
| 23 31 13 13-0926 | LF | 20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 268.85 | 136.93 |
| | | *For Seal Class B, Add* | *34.23* | |
| | | *For Seal Class A, Add* | *73.03* | |
| | | *For Work In Restricted Working Space, Add* | *68.47* | |
| 23 31 13 13-0927 | LF | 20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 280.04 | 142.64 |
| | | *For Seal Class B, Add* | *35.66* | |
| | | *For Seal Class A, Add* | *76.07* | |
| | | *For Work In Restricted Working Space, Add* | *71.32* | |
| 23 31 13 13-0928 | LF | 20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 291.24 | 148.34 |
| | | *For Seal Class B, Add* | *37.09* | |
| | | *For Seal Class A, Add* | *79.12* | |
| | | *For Work In Restricted Working Space, Add* | *74.17* | |
| 23 31 13 13-0929 | LF | 20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 302.44 | 154.04 |
| | | *For Seal Class B, Add* | *38.51* | |
| | | *For Seal Class A, Add* | *82.16* | |
| | | *For Work In Restricted Working Space, Add* | *77.03* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0930 | LF | 20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 313.66 | 159.76 |
| | | *For Seal Class B, Add* | *39.94* | |
| | | *For Seal Class A, Add* | *85.20* | |
| | | *For Work In Restricted Working Space, Add* | *79.88* | |
| 23 31 13 13-0931 | LF | 20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 324.85 | 165.46 |
| | | *For Seal Class B, Add* | *41.36* | |
| | | *For Seal Class A, Add* | *88.24* | |
| | | *For Work In Restricted Working Space, Add* | *82.73* | |
| 23 31 13 13-0932 | LF | 20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 336.05 | 171.16 |
| | | *For Seal Class B, Add* | *42.79* | |
| | | *For Seal Class A, Add* | *91.29* | |
| | | *For Work In Restricted Working Space, Add* | *85.58* | |
| 23 31 13 13-0933 | LF | 20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 347.25 | 176.88 |
| | | *For Seal Class B, Add* | *44.22* | |
| | | *For Seal Class A, Add* | *94.33* | |
| | | *For Work In Restricted Working Space, Add* | *88.44* | |
| 23 31 13 13-0934 | LF | 20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 358.47 | 182.58 |
| | | *For Seal Class B, Add* | *45.65* | |
| | | *For Seal Class A, Add* | *97.38* | |
| | | *For Work In Restricted Working Space, Add* | *91.29* | |
| 23 31 13 13-0935 | LF | 20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 369.66 | 188.28 |
| | | *For Seal Class B, Add* | *47.07* | |
| | | *For Seal Class A, Add* | *100.42* | |
| | | *For Work In Restricted Working Space, Add* | *94.14* | |
| 23 31 13 13-0936 | LF | 20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 380.86 | 193.99 |
| | | *For Seal Class B, Add* | *48.50* | |
| | | *For Seal Class A, Add* | *103.46* | |
| | | *For Work In Restricted Working Space, Add* | *96.99* | |
| 23 31 13 13-0937 | LF | 22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 246.41 | 125.52 |
| | | *For Seal Class B, Add* | *31.38* | |
| | | *For Seal Class A, Add* | *66.94* | |
| | | *For Work In Restricted Working Space, Add* | *62.76* | |
| 23 31 13 13-0938 | LF | 22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 257.65 | 131.23 |
| | | *For Seal Class B, Add* | *32.81* | |
| | | *For Seal Class A, Add* | *69.99* | |
| | | *For Work In Restricted Working Space, Add* | *65.61* | |
| 23 31 13 13-0939 | LF | 22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 268.85 | 136.93 |
| | | *For Seal Class B, Add* | *34.23* | |
| | | *For Seal Class A, Add* | *73.03* | |
| | | *For Work In Restricted Working Space, Add* | *68.47* | |
| 23 31 13 13-0940 | LF | 22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 280.04 | 142.64 |
| | | *For Seal Class B, Add* | *35.66* | |
| | | *For Seal Class A, Add* | *76.07* | |
| | | *For Work In Restricted Working Space, Add* | *71.32* | |
| 23 31 13 13-0941 | LF | 22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 291.24 | 148.34 |
| | | *For Seal Class B, Add* | *37.09* | |
| | | *For Seal Class A, Add* | *79.12* | |
| | | *For Work In Restricted Working Space, Add* | *74.17* | |
| 23 31 13 13-0942 | LF | 22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 302.44 | 154.04 |
| | | *For Seal Class B, Add* | *38.51* | |
| | | *For Seal Class A, Add* | *82.16* | |
| | | *For Work In Restricted Working Space, Add* | *77.03* | |
| 23 31 13 13-0943 | LF | 22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 313.66 | 159.76 |
| | | *For Seal Class B, Add* | *39.94* | |
| | | *For Seal Class A, Add* | *85.20* | |
| | | *For Work In Restricted Working Space, Add* | *79.88* | |
| 23 31 13 13-0944 | LF | 22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 324.85 | 165.46 |
| | | *For Seal Class B, Add* | *41.36* | |
| | | *For Seal Class A, Add* | *88.24* | |
| | | *For Work In Restricted Working Space, Add* | *82.73* | |
| 23 31 13 13-0945 | LF | 22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 336.05 | 171.16 |
| | | *For Seal Class B, Add* | *42.79* | |
| | | *For Seal Class A, Add* | *91.29* | |
| | | *For Work In Restricted Working Space, Add* | *85.58* | |
| 23 31 13 13-0946 | LF | 22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 347.25 | 176.88 |
| | | *For Seal Class B, Add* | *44.22* | |
| | | *For Seal Class A, Add* | *94.33* | |
| | | *For Work In Restricted Working Space, Add* | *88.44* | |
| 23 31 13 13-0947 | LF | 22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 358.47 | 182.58 |
| | | *For Seal Class B, Add* | *45.65* | |
| | | *For Seal Class A, Add* | *97.38* | |
| | | *For Work In Restricted Working Space, Add* | *91.29* | |
| 23 31 13 13-0948 | LF | 22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 369.66 | 188.28 |
| | | *For Seal Class B, Add* | *47.07* | |
| | | *For Seal Class A, Add* | *100.42* | |
| | | *For Work In Restricted Working Space, Add* | *94.14* | |
| 23 31 13 13-0949 | LF | 22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 380.86 | 193.99 |
| | | *For Seal Class B, Add* | *48.50* | |
| | | *For Seal Class A, Add* | *103.46* | |
| | | *For Work In Restricted Working Space, Add* | *96.99* | |
| 23 31 13 13-0950 | LF | 22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 392.06 | 199.69 |
| | | *For Seal Class B, Add* | *49.92* | |
| | | *For Seal Class A, Add* | *106.50* | |
| | | *For Work In Restricted Working Space, Add* | *99.85* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0951 | LF | 24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 268.85 | 136.93 |
| | | *For Seal Class B, Add* | *34.23* | |
| | | *For Seal Class A, Add* | *73.03* | |
| | | *For Work In Restricted Working Space, Add* | *68.47* | |
| 23 31 13 13-0952 | LF | 24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 280.04 | 142.64 |
| | | *For Seal Class B, Add* | *35.66* | |
| | | *For Seal Class A, Add* | *76.07* | |
| | | *For Work In Restricted Working Space, Add* | *71.32* | |
| 23 31 13 13-0953 | LF | 24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 291.24 | 148.34 |
| | | *For Seal Class B, Add* | *37.09* | |
| | | *For Seal Class A, Add* | *79.12* | |
| | | *For Work In Restricted Working Space, Add* | *74.17* | |
| 23 31 13 13-0954 | LF | 24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 302.44 | 154.04 |
| | | *For Seal Class B, Add* | *38.51* | |
| | | *For Seal Class A, Add* | *82.16* | |
| | | *For Work In Restricted Working Space, Add* | *77.03* | |
| 23 31 13 13-0955 | LF | 24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 313.66 | 159.76 |
| | | *For Seal Class B, Add* | *39.94* | |
| | | *For Seal Class A, Add* | *85.20* | |
| | | *For Work In Restricted Working Space, Add* | *79.88* | |
| 23 31 13 13-0956 | LF | 24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 324.85 | 165.46 |
| | | *For Seal Class B, Add* | *41.36* | |
| | | *For Seal Class A, Add* | *88.24* | |
| | | *For Work In Restricted Working Space, Add* | *82.73* | |
| 23 31 13 13-0957 | LF | 24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 336.05 | 171.16 |
| | | *For Seal Class B, Add* | *42.79* | |
| | | *For Seal Class A, Add* | *91.29* | |
| | | *For Work In Restricted Working Space, Add* | *85.58* | |
| 23 31 13 13-0958 | LF | 24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 347.25 | 176.88 |
| | | *For Seal Class B, Add* | *44.22* | |
| | | *For Seal Class A, Add* | *94.33* | |
| | | *For Work In Restricted Working Space, Add* | *88.44* | |
| 23 31 13 13-0959 | LF | 24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 358.47 | 182.58 |
| | | *For Seal Class B, Add* | *45.65* | |
| | | *For Seal Class A, Add* | *97.38* | |
| | | *For Work In Restricted Working Space, Add* | *91.29* | |
| 23 31 13 13-0960 | LF | 24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 369.66 | 188.28 |
| | | *For Seal Class B, Add* | *47.07* | |
| | | *For Seal Class A, Add* | *100.42* | |
| | | *For Work In Restricted Working Space, Add* | *94.14* | |
| 23 31 13 13-0961 | LF | 24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 380.86 | 193.99 |
| | | *For Seal Class B, Add* | *48.50* | |
| | | *For Seal Class A, Add* | *103.46* | |
| | | *For Work In Restricted Working Space, Add* | *96.99* | |
| 23 31 13 13-0962 | LF | 24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 392.06 | 199.69 |
| | | *For Seal Class B, Add* | *49.92* | |
| | | *For Seal Class A, Add* | *106.50* | |
| | | *For Work In Restricted Working Space, Add* | *99.85* | |
| 23 31 13 13-0963 | LF | 24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 403.25 | 205.39 |
| | | *For Seal Class B, Add* | *51.35* | |
| | | *For Seal Class A, Add* | *109.55* | |
| | | *For Work In Restricted Working Space, Add* | *102.70* | |
| 23 31 13 13-0964 | LF | 26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 291.24 | 148.34 |
| | | *For Seal Class B, Add* | *37.09* | |
| | | *For Seal Class A, Add* | *79.12* | |
| | | *For Work In Restricted Working Space, Add* | *74.17* | |
| 23 31 13 13-0965 | LF | 26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 302.44 | 154.04 |
| | | *For Seal Class B, Add* | *38.51* | |
| | | *For Seal Class A, Add* | *82.16* | |
| | | *For Work In Restricted Working Space, Add* | *77.03* | |
| 23 31 13 13-0966 | LF | 26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 313.66 | 159.76 |
| | | *For Seal Class B, Add* | *39.94* | |
| | | *For Seal Class A, Add* | *85.20* | |
| | | *For Work In Restricted Working Space, Add* | *79.88* | |
| 23 31 13 13-0967 | LF | 26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 324.85 | 165.46 |
| | | *For Seal Class B, Add* | *41.36* | |
| | | *For Seal Class A, Add* | *88.24* | |
| | | *For Work In Restricted Working Space, Add* | *82.73* | |
| 23 31 13 13-0968 | LF | 26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 336.05 | 171.16 |
| | | *For Seal Class B, Add* | *42.79* | |
| | | *For Seal Class A, Add* | *91.29* | |
| | | *For Work In Restricted Working Space, Add* | *85.58* | |
| 23 31 13 13-0969 | LF | 26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 347.25 | 176.88 |
| | | *For Seal Class B, Add* | *44.22* | |
| | | *For Seal Class A, Add* | *94.33* | |
| | | *For Work In Restricted Working Space, Add* | *88.44* | |
| 23 31 13 13-0970 | LF | 26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 358.47 | 182.58 |
| | | *For Seal Class B, Add* | *45.65* | |
| | | *For Seal Class A, Add* | *97.38* | |
| | | *For Work In Restricted Working Space, Add* | *91.29* | |
| 23 31 13 13-0971 | LF | 26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 369.66 | 188.28 |
| | | *For Seal Class B, Add* | *47.07* | |
| | | *For Seal Class A, Add* | *100.42* | |
| | | *For Work In Restricted Working Space, Add* | *94.14* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0972 | LF | 26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 380.86 | 193.99 |
| | | *For Seal Class B, Add* | *48.50* | |
| | | *For Seal Class A, Add* | *103.46* | |
| | | *For Work In Restricted Working Space, Add* | *96.99* | |
| 23 31 13 13-0973 | LF | 26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 392.06 | 199.69 |
| | | *For Seal Class B, Add* | *49.92* | |
| | | *For Seal Class A, Add* | *106.50* | |
| | | *For Work In Restricted Working Space, Add* | *99.85* | |
| 23 31 13 13-0974 | LF | 26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 403.25 | 205.39 |
| | | *For Seal Class B, Add* | *51.35* | |
| | | *For Seal Class A, Add* | *109.55* | |
| | | *For Work In Restricted Working Space, Add* | *102.70* | |
| 23 31 13 13-0975 | LF | 26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 414.48 | 211.10 |
| | | *For Seal Class B, Add* | *52.78* | |
| | | *For Seal Class A, Add* | *112.59* | |
| | | *For Work In Restricted Working Space, Add* | *105.55* | |
| 23 31 13 13-0976 | LF | 28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 313.66 | 159.76 |
| | | *For Seal Class B, Add* | *39.94* | |
| | | *For Seal Class A, Add* | *85.20* | |
| | | *For Work In Restricted Working Space, Add* | *79.88* | |
| 23 31 13 13-0977 | LF | 28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 324.85 | 165.46 |
| | | *For Seal Class B, Add* | *41.36* | |
| | | *For Seal Class A, Add* | *88.24* | |
| | | *For Work In Restricted Working Space, Add* | *82.73* | |
| 23 31 13 13-0978 | LF | 28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 336.05 | 171.16 |
| | | *For Seal Class B, Add* | *42.79* | |
| | | *For Seal Class A, Add* | *91.29* | |
| | | *For Work In Restricted Working Space, Add* | *85.58* | |
| 23 31 13 13-0979 | LF | 28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 347.25 | 176.88 |
| | | *For Seal Class B, Add* | *44.22* | |
| | | *For Seal Class A, Add* | *94.33* | |
| | | *For Work In Restricted Working Space, Add* | *88.44* | |
| 23 31 13 13-0980 | LF | 28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 358.47 | 182.58 |
| | | *For Seal Class B, Add* | *45.65* | |
| | | *For Seal Class A, Add* | *97.38* | |
| | | *For Work In Restricted Working Space, Add* | *91.29* | |
| 23 31 13 13-0981 | LF | 28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 369.66 | 188.28 |
| | | *For Seal Class B, Add* | *47.07* | |
| | | *For Seal Class A, Add* | *100.42* | |
| | | *For Work In Restricted Working Space, Add* | *94.14* | |
| 23 31 13 13-0982 | LF | 28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 380.86 | 193.99 |
| | | *For Seal Class B, Add* | *48.50* | |
| | | *For Seal Class A, Add* | *103.46* | |
| | | *For Work In Restricted Working Space, Add* | *96.99* | |
| 23 31 13 13-0983 | LF | 28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 392.06 | 199.69 |
| | | *For Seal Class B, Add* | *49.92* | |
| | | *For Seal Class A, Add* | *106.50* | |
| | | *For Work In Restricted Working Space, Add* | *99.85* | |
| 23 31 13 13-0984 | LF | 28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 403.25 | 205.39 |
| | | *For Seal Class B, Add* | *51.35* | |
| | | *For Seal Class A, Add* | *109.55* | |
| | | *For Work In Restricted Working Space, Add* | *102.70* | |
| 23 31 13 13-0985 | LF | 28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 414.48 | 211.10 |
| | | *For Seal Class B, Add* | *52.78* | |
| | | *For Seal Class A, Add* | *112.59* | |
| | | *For Work In Restricted Working Space, Add* | *105.55* | |
| 23 31 13 13-0986 | LF | 28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 425.67 | 216.80 |
| | | *For Seal Class B, Add* | *54.20* | |
| | | *For Seal Class A, Add* | *115.63* | |
| | | *For Work In Restricted Working Space, Add* | *108.41* | |
| 23 31 13 13-0987 | LF | 30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 336.05 | 171.16 |
| | | *For Seal Class B, Add* | *42.79* | |
| | | *For Seal Class A, Add* | *91.29* | |
| | | *For Work In Restricted Working Space, Add* | *85.58* | |
| 23 31 13 13-0988 | LF | 30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 347.25 | 176.88 |
| | | *For Seal Class B, Add* | *44.22* | |
| | | *For Seal Class A, Add* | *94.33* | |
| | | *For Work In Restricted Working Space, Add* | *88.44* | |
| 23 31 13 13-0989 | LF | 30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 358.47 | 182.58 |
| | | *For Seal Class B, Add* | *45.65* | |
| | | *For Seal Class A, Add* | *97.38* | |
| | | *For Work In Restricted Working Space, Add* | *91.29* | |
| 23 31 13 13-0990 | LF | 30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 369.66 | 188.28 |
| | | *For Seal Class B, Add* | *47.07* | |
| | | *For Seal Class A, Add* | *100.42* | |
| | | *For Work In Restricted Working Space, Add* | *94.14* | |
| 23 31 13 13-0991 | LF | 30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 380.86 | 193.99 |
| | | *For Seal Class B, Add* | *48.50* | |
| | | *For Seal Class A, Add* | *103.46* | |
| | | *For Work In Restricted Working Space, Add* | *96.99* | |
| 23 31 13 13-0992 | LF | 30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 392.06 | 199.69 |
| | | *For Seal Class B, Add* | *49.92* | |
| | | *For Seal Class A, Add* | *106.50* | |
| | | *For Work In Restricted Working Space, Add* | *99.85* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-0993 | LF | 30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 403.25 | 205.39 |
| | | *For Seal Class B, Add* | *51.35* | |
| | | *For Seal Class A, Add* | *109.55* | |
| | | *For Work In Restricted Working Space, Add* | *102.70* | |
| 23 31 13 13-0994 | LF | 30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 414.48 | 211.10 |
| | | *For Seal Class B, Add* | *52.78* | |
| | | *For Seal Class A, Add* | *112.59* | |
| | | *For Work In Restricted Working Space, Add* | *105.55* | |
| 23 31 13 13-0995 | LF | 30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 425.67 | 216.80 |
| | | *For Seal Class B, Add* | *54.20* | |
| | | *For Seal Class A, Add* | *115.63* | |
| | | *For Work In Restricted Working Space, Add* | *108.41* | |
| 23 31 13 13-0996 | LF | 30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 436.86 | 222.52 |
| | | *For Seal Class B, Add* | *55.63* | |
| | | *For Seal Class A, Add* | *118.67* | |
| | | *For Work In Restricted Working Space, Add* | *111.26* | |
| 23 31 13 13-0997 | LF | 32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 358.47 | 182.58 |
| | | *For Seal Class B, Add* | *45.65* | |
| | | *For Seal Class A, Add* | *97.38* | |
| | | *For Work In Restricted Working Space, Add* | *91.29* | |
| 23 31 13 13-0998 | LF | 32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 369.66 | 188.28 |
| | | *For Seal Class B, Add* | *47.07* | |
| | | *For Seal Class A, Add* | *100.42* | |
| | | *For Work In Restricted Working Space, Add* | *94.14* | |
| 23 31 13 13-0999 | LF | 32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 380.86 | 193.99 |
| | | *For Seal Class B, Add* | *48.50* | |
| | | *For Seal Class A, Add* | *103.46* | |
| | | *For Work In Restricted Working Space, Add* | *96.99* | |
| 23 31 13 13-1000 | LF | 32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 392.06 | 199.69 |
| | | *For Seal Class B, Add* | *49.92* | |
| | | *For Seal Class A, Add* | *106.50* | |
| | | *For Work In Restricted Working Space, Add* | *99.85* | |
| 23 31 13 13-1001 | LF | 32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 403.25 | 205.39 |
| | | *For Seal Class B, Add* | *51.35* | |
| | | *For Seal Class A, Add* | *109.55* | |
| | | *For Work In Restricted Working Space, Add* | *102.70* | |
| 23 31 13 13-1002 | LF | 32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 414.48 | 211.10 |
| | | *For Seal Class B, Add* | *52.78* | |
| | | *For Seal Class A, Add* | *112.59* | |
| | | *For Work In Restricted Working Space, Add* | *105.55* | |
| 23 31 13 13-1003 | LF | 32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 425.67 | 216.80 |
| | | *For Seal Class B, Add* | *54.20* | |
| | | *For Seal Class A, Add* | *115.63* | |
| | | *For Work In Restricted Working Space, Add* | *108.41* | |
| 23 31 13 13-1004 | LF | 32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 436.86 | 222.52 |
| | | *For Seal Class B, Add* | *55.63* | |
| | | *For Seal Class A, Add* | *118.67* | |
| | | *For Work In Restricted Working Space, Add* | *111.26* | |
| 23 31 13 13-1005 | LF | 32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 448.07 | 228.23 |
| | | *For Seal Class B, Add* | *57.06* | |
| | | *For Seal Class A, Add* | *121.72* | |
| | | *For Work In Restricted Working Space, Add* | *114.11* | |
| 23 31 13 13-1006 | LF | 34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 380.86 | 193.99 |
| | | *For Seal Class B, Add* | *48.50* | |
| | | *For Seal Class A, Add* | *103.46* | |
| | | *For Work In Restricted Working Space, Add* | *96.99* | |
| 23 31 13 13-1007 | LF | 34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 392.06 | 199.69 |
| | | *For Seal Class B, Add* | *49.92* | |
| | | *For Seal Class A, Add* | *106.50* | |
| | | *For Work In Restricted Working Space, Add* | *99.85* | |
| 23 31 13 13-1008 | LF | 34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 403.25 | 205.39 |
| | | *For Seal Class B, Add* | *51.35* | |
| | | *For Seal Class A, Add* | *109.55* | |
| | | *For Work In Restricted Working Space, Add* | *102.70* | |
| 23 31 13 13-1009 | LF | 34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 414.48 | 211.10 |
| | | *For Seal Class B, Add* | *52.78* | |
| | | *For Seal Class A, Add* | *112.59* | |
| | | *For Work In Restricted Working Space, Add* | *105.55* | |
| 23 31 13 13-1010 | LF | 34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 425.67 | 216.80 |
| | | *For Seal Class B, Add* | *54.20* | |
| | | *For Seal Class A, Add* | *115.63* | |
| | | *For Work In Restricted Working Space, Add* | *108.41* | |
| 23 31 13 13-1011 | LF | 34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 436.86 | 222.52 |
| | | *For Seal Class B, Add* | *55.63* | |
| | | *For Seal Class A, Add* | *118.67* | |
| | | *For Work In Restricted Working Space, Add* | *111.26* | |
| 23 31 13 13-1012 | LF | 34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 448.07 | 228.23 |
| | | *For Seal Class B, Add* | *57.06* | |
| | | *For Seal Class A, Add* | *121.72* | |
| | | *For Work In Restricted Working Space, Add* | *114.11* | |
| 23 31 13 13-1013 | LF | 34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 459.25 | 233.93 |
| | | *For Seal Class B, Add* | *58.48* | |
| | | *For Seal Class A, Add* | *124.76* | |
| | | *For Work In Restricted Working Space, Add* | *116.96* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-1014 | LF | 36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 403.25 | 205.39 |
| | | *For Seal Class B, Add* | *51.35* | |
| | | *For Seal Class A, Add* | *109.55* | |
| | | *For Work In Restricted Working Space, Add* | *102.70* | |
| 23 31 13 13-1015 | LF | 36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 414.48 | 211.10 |
| | | *For Seal Class B, Add* | *52.78* | |
| | | *For Seal Class A, Add* | *112.59* | |
| | | *For Work In Restricted Working Space, Add* | *105.55* | |
| 23 31 13 13-1016 | LF | 36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 425.67 | 216.80 |
| | | *For Seal Class B, Add* | *54.20* | |
| | | *For Seal Class A, Add* | *115.63* | |
| | | *For Work In Restricted Working Space, Add* | *108.41* | |
| 23 31 13 13-1017 | LF | 36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 436.86 | 222.52 |
| | | *For Seal Class B, Add* | *55.63* | |
| | | *For Seal Class A, Add* | *118.67* | |
| | | *For Work In Restricted Working Space, Add* | *111.26* | |
| 23 31 13 13-1018 | LF | 36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 448.07 | 228.23 |
| | | *For Seal Class B, Add* | *57.06* | |
| | | *For Seal Class A, Add* | *121.72* | |
| | | *For Work In Restricted Working Space, Add* | *114.11* | |
| 23 31 13 13-1019 | LF | 36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 459.25 | 233.93 |
| | | *For Seal Class B, Add* | *58.48* | |
| | | *For Seal Class A, Add* | *124.76* | |
| | | *For Work In Restricted Working Space, Add* | *116.96* | |
| 23 31 13 13-1020 | LF | 36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 470.48 | 239.64 |
| | | *For Seal Class B, Add* | *59.91* | |
| | | *For Seal Class A, Add* | *127.80* | |
| | | *For Work In Restricted Working Space, Add* | *119.81* | |
| 23 31 13 13-1021 | LF | 38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 425.67 | 216.80 |
| | | *For Seal Class B, Add* | *54.20* | |
| | | *For Seal Class A, Add* | *115.63* | |
| | | *For Work In Restricted Working Space, Add* | *108.41* | |
| 23 31 13 13-1022 | LF | 38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 436.86 | 222.52 |
| | | *For Seal Class B, Add* | *55.63* | |
| | | *For Seal Class A, Add* | *118.67* | |
| | | *For Work In Restricted Working Space, Add* | *111.26* | |
| 23 31 13 13-1023 | LF | 38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 448.07 | 228.23 |
| | | *For Seal Class B, Add* | *57.06* | |
| | | *For Seal Class A, Add* | *121.72* | |
| | | *For Work In Restricted Working Space, Add* | *114.11* | |
| 23 31 13 13-1024 | LF | 38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 459.25 | 233.93 |
| | | *For Seal Class B, Add* | *58.48* | |
| | | *For Seal Class A, Add* | *124.76* | |
| | | *For Work In Restricted Working Space, Add* | *116.96* | |
| 23 31 13 13-1025 | LF | 38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 470.48 | 239.64 |
| | | *For Seal Class B, Add* | *59.91* | |
| | | *For Seal Class A, Add* | *127.80* | |
| | | *For Work In Restricted Working Space, Add* | *119.81* | |
| 23 31 13 13-1026 | LF | 38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 481.67 | 245.34 |
| | | *For Seal Class B, Add* | *61.33* | |
| | | *For Seal Class A, Add* | *130.84* | |
| | | *For Work In Restricted Working Space, Add* | *122.67* | |
| 23 31 13 13-1027 | LF | 38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 492.88 | 251.04 |
| | | *For Seal Class B, Add* | *62.76* | |
| | | *For Seal Class A, Add* | *133.89* | |
| | | *For Work In Restricted Working Space, Add* | *125.52* | |
| 23 31 13 13-1028 | LF | 40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 448.07 | 228.23 |
| | | *For Seal Class B, Add* | *57.06* | |
| | | *For Seal Class A, Add* | *121.72* | |
| | | *For Work In Restricted Working Space, Add* | *114.11* | |
| 23 31 13 13-1029 | LF | 40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 459.25 | 233.93 |
| | | *For Seal Class B, Add* | *58.48* | |
| | | *For Seal Class A, Add* | *124.76* | |
| | | *For Work In Restricted Working Space, Add* | *116.96* | |
| 23 31 13 13-1030 | LF | 40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 470.48 | 239.64 |
| | | *For Seal Class B, Add* | *59.91* | |
| | | *For Seal Class A, Add* | *127.80* | |
| | | *For Work In Restricted Working Space, Add* | *119.81* | |
| 23 31 13 13-1031 | LF | 40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 481.67 | 245.34 |
| | | *For Seal Class B, Add* | *61.33* | |
| | | *For Seal Class A, Add* | *130.84* | |
| | | *For Work In Restricted Working Space, Add* | *122.67* | |
| 23 31 13 13-1032 | LF | 40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 492.88 | 251.04 |
| | | *For Seal Class B, Add* | *62.76* | |
| | | *For Seal Class A, Add* | *133.89* | |
| | | *For Work In Restricted Working Space, Add* | *125.52* | |
| 23 31 13 13-1033 | LF | 40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 504.07 | 256.75 |
| | | *For Seal Class B, Add* | *64.19* | |
| | | *For Seal Class A, Add* | *136.93* | |
| | | *For Work In Restricted Working Space, Add* | *128.37* | |
| 23 31 13 13-1034 | LF | 40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 515.27 | 262.45 |
| | | *For Seal Class B, Add* | *65.61* | |
| | | *For Seal Class A, Add* | *139.97* | |
| | | *For Work In Restricted Working Space, Add* | *131.23* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-1035 | LF | 40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 526.48 | 268.15 |
| | | *For Seal Class B, Add* | *67.04* | |
| | | *For Seal Class A, Add* | *143.01* | |
| | | *For Work In Restricted Working Space, Add* | *134.08* | |
| 23 31 13 13-1036 | LF | 40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 537.69 | 273.86 |
| | | *For Seal Class B, Add* | *68.47* | |
| | | *For Seal Class A, Add* | *146.06* | |
| | | *For Work In Restricted Working Space, Add* | *136.93* | |
| 23 31 13 13-1037 | LF | 42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 470.48 | 239.64 |
| | | *For Seal Class B, Add* | *59.91* | |
| | | *For Seal Class A, Add* | *127.80* | |
| | | *For Work In Restricted Working Space, Add* | *119.81* | |
| 23 31 13 13-1038 | LF | 42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 481.67 | 245.34 |
| | | *For Seal Class B, Add* | *61.33* | |
| | | *For Seal Class A, Add* | *130.84* | |
| | | *For Work In Restricted Working Space, Add* | *122.67* | |
| 23 31 13 13-1039 | LF | 42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 492.88 | 251.04 |
| | | *For Seal Class B, Add* | *62.76* | |
| | | *For Seal Class A, Add* | *133.89* | |
| | | *For Work In Restricted Working Space, Add* | *125.52* | |
| 23 31 13 13-1040 | LF | 42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 504.07 | 256.75 |
| | | *For Seal Class B, Add* | *64.19* | |
| | | *For Seal Class A, Add* | *136.93* | |
| | | *For Work In Restricted Working Space, Add* | *128.37* | |
| 23 31 13 13-1041 | LF | 42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 515.27 | 262.45 |
| | | *For Seal Class B, Add* | *65.61* | |
| | | *For Seal Class A, Add* | *139.97* | |
| | | *For Work In Restricted Working Space, Add* | *131.23* | |
| 23 31 13 13-1042 | LF | 42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 526.48 | 268.15 |
| | | *For Seal Class B, Add* | *67.04* | |
| | | *For Seal Class A, Add* | *143.01* | |
| | | *For Work In Restricted Working Space, Add* | *134.08* | |
| 23 31 13 13-1043 | LF | 42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 537.69 | 273.86 |
| | | *For Seal Class B, Add* | *68.47* | |
| | | *For Seal Class A, Add* | *146.06* | |
| | | *For Work In Restricted Working Space, Add* | *136.93* | |
| 23 31 13 13-1044 | LF | 42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 548.88 | 279.56 |
| | | *For Seal Class B, Add* | *69.89* | |
| | | *For Seal Class A, Add* | *149.10* | |
| | | *For Work In Restricted Working Space, Add* | *139.79* | |
| 23 31 13 13-1045 | LF | 44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 492.88 | 251.04 |
| | | *For Seal Class B, Add* | *62.76* | |
| | | *For Seal Class A, Add* | *133.89* | |
| | | *For Work In Restricted Working Space, Add* | *125.52* | |
| 23 31 13 13-1046 | LF | 44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 504.07 | 256.75 |
| | | *For Seal Class B, Add* | *64.19* | |
| | | *For Seal Class A, Add* | *136.93* | |
| | | *For Work In Restricted Working Space, Add* | *128.37* | |
| 23 31 13 13-1047 | LF | 44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 515.27 | 262.45 |
| | | *For Seal Class B, Add* | *65.61* | |
| | | *For Seal Class A, Add* | *139.97* | |
| | | *For Work In Restricted Working Space, Add* | *131.23* | |
| 23 31 13 13-1048 | LF | 44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 526.48 | 268.15 |
| | | *For Seal Class B, Add* | *67.04* | |
| | | *For Seal Class A, Add* | *143.01* | |
| | | *For Work In Restricted Working Space, Add* | *134.08* | |
| 23 31 13 13-1049 | LF | 44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 537.69 | 273.86 |
| | | *For Seal Class B, Add* | *68.47* | |
| | | *For Seal Class A, Add* | *146.06* | |
| | | *For Work In Restricted Working Space, Add* | *136.93* | |
| 23 31 13 13-1050 | LF | 44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 548.88 | 279.56 |
| | | *For Seal Class B, Add* | *69.89* | |
| | | *For Seal Class A, Add* | *149.10* | |
| | | *For Work In Restricted Working Space, Add* | *139.79* | |
| 23 31 13 13-1051 | LF | 44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 560.08 | 285.28 |
| | | *For Seal Class B, Add* | *71.32* | |
| | | *For Seal Class A, Add* | *152.15* | |
| | | *For Work In Restricted Working Space, Add* | *142.64* | |
| 23 31 13 13-1052 | LF | 46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 515.27 | 262.45 |
| | | *For Seal Class B, Add* | *65.61* | |
| | | *For Seal Class A, Add* | *139.97* | |
| | | *For Work In Restricted Working Space, Add* | *131.23* | |
| 23 31 13 13-1053 | LF | 46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 526.48 | 268.15 |
| | | *For Seal Class B, Add* | *67.04* | |
| | | *For Seal Class A, Add* | *143.01* | |
| | | *For Work In Restricted Working Space, Add* | *134.08* | |
| 23 31 13 13-1054 | LF | 46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 537.69 | 273.86 |
| | | *For Seal Class B, Add* | *68.47* | |
| | | *For Seal Class A, Add* | *146.06* | |
| | | *For Work In Restricted Working Space, Add* | *136.93* | |
| 23 31 13 13-1055 | LF | 46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 548.88 | 279.56 |
| | | *For Seal Class B, Add* | *69.89* | |
| | | *For Seal Class A, Add* | *149.10* | |
| | | *For Work In Restricted Working Space, Add* | *139.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-1056 | LF | 46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 560.08 | 285.28 |
| | | *For Seal Class B, Add* | *71.32* | |
| | | *For Seal Class A, Add* | *152.15* | |
| | | *For Work In Restricted Working Space, Add* | *142.64* | |
| 23 31 13 13-1057 | LF | 46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 580.79 | 296.69 |
| | | *For Seal Class B, Add* | *74.17* | |
| | | *For Seal Class A, Add* | *158.23* | |
| | | *For Work In Restricted Working Space, Add* | *148.34* | |
| 23 31 13 13-1058 | LF | 46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 592.01 | 302.39 |
| | | *For Seal Class B, Add* | *75.60* | |
| | | *For Seal Class A, Add* | *161.28* | |
| | | *For Work In Restricted Working Space, Add* | *151.20* | |
| 23 31 13 13-1059 | LF | 48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 537.69 | 273.86 |
| | | *For Seal Class B, Add* | *68.47* | |
| | | *For Seal Class A, Add* | *146.06* | |
| | | *For Work In Restricted Working Space, Add* | *136.93* | |
| 23 31 13 13-1060 | LF | 48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 548.88 | 279.56 |
| | | *For Seal Class B, Add* | *69.89* | |
| | | *For Seal Class A, Add* | *149.10* | |
| | | *For Work In Restricted Working Space, Add* | *139.79* | |
| 23 31 13 13-1061 | LF | 48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 560.08 | 285.28 |
| | | *For Seal Class B, Add* | *71.32* | |
| | | *For Seal Class A, Add* | *152.15* | |
| | | *For Work In Restricted Working Space, Add* | *142.64* | |
| 23 31 13 13-1062 | LF | 48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 571.28 | 290.99 |
| | | *For Seal Class B, Add* | *72.75* | |
| | | *For Seal Class A, Add* | *155.19* | |
| | | *For Work In Restricted Working Space, Add* | *145.49* | |
| 23 31 13 13-1063 | LF | 48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 582.50 | 296.69 |
| | | *For Seal Class B, Add* | *74.17* | |
| | | *For Seal Class A, Add* | *158.23* | |
| | | *For Work In Restricted Working Space, Add* | *148.34* | |
| 23 31 13 13-1064 | LF | 48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 593.70 | 302.39 |
| | | *For Seal Class B, Add* | *75.60* | |
| | | *For Seal Class A, Add* | *161.28* | |
| | | *For Work In Restricted Working Space, Add* | *151.20* | |
| 23 31 13 13-1065 | LF | 48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 604.89 | 308.10 |
| | | *For Seal Class B, Add* | *77.02* | |
| | | *For Seal Class A, Add* | *164.32* | |
| | | *For Work In Restricted Working Space, Add* | *154.05* | |
| 23 31 13 13-1066 | LF | 50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 560.08 | 285.28 |
| | | *For Seal Class B, Add* | *71.32* | |
| | | *For Seal Class A, Add* | *152.15* | |
| | | *For Work In Restricted Working Space, Add* | *142.64* | |
| 23 31 13 13-1067 | LF | 50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 571.28 | 290.99 |
| | | *For Seal Class B, Add* | *72.75* | |
| | | *For Seal Class A, Add* | *155.19* | |
| | | *For Work In Restricted Working Space, Add* | *145.49* | |
| 23 31 13 13-1068 | LF | 50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 582.50 | 296.69 |
| | | *For Seal Class B, Add* | *74.17* | |
| | | *For Seal Class A, Add* | *158.23* | |
| | | *For Work In Restricted Working Space, Add* | *148.34* | |
| 23 31 13 13-1069 | LF | 50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 593.70 | 302.39 |
| | | *For Seal Class B, Add* | *75.60* | |
| | | *For Seal Class A, Add* | *161.28* | |
| | | *For Work In Restricted Working Space, Add* | *151.20* | |
| 23 31 13 13-1070 | LF | 50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 604.89 | 308.10 |
| | | *For Seal Class B, Add* | *77.02* | |
| | | *For Seal Class A, Add* | *164.32* | |
| | | *For Work In Restricted Working Space, Add* | *154.05* | |
| 23 31 13 13-1071 | LF | 50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 616.08 | 313.80 |
| | | *For Seal Class B, Add* | *78.45* | |
| | | *For Seal Class A, Add* | *167.36* | |
| | | *For Work In Restricted Working Space, Add* | *156.90* | |
| 23 31 13 13-1072 | LF | 52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 582.50 | 296.69 |
| | | *For Seal Class B, Add* | *74.17* | |
| | | *For Seal Class A, Add* | *158.23* | |
| | | *For Work In Restricted Working Space, Add* | *148.34* | |
| 23 31 13 13-1073 | LF | 52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 593.70 | 302.39 |
| | | *For Seal Class B, Add* | *75.60* | |
| | | *For Seal Class A, Add* | *161.28* | |
| | | *For Work In Restricted Working Space, Add* | *151.20* | |
| 23 31 13 13-1074 | LF | 52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 604.89 | 308.10 |
| | | *For Seal Class B, Add* | *77.02* | |
| | | *For Seal Class A, Add* | *164.32* | |
| | | *For Work In Restricted Working Space, Add* | *154.05* | |
| 23 31 13 13-1075 | LF | 52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 616.08 | 313.80 |
| | | *For Seal Class B, Add* | *78.45* | |
| | | *For Seal Class A, Add* | *167.36* | |
| | | *For Work In Restricted Working Space, Add* | *156.90* | |
| 23 31 13 13-1076 | LF | 52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 627.29 | 319.50 |
| | | *For Seal Class B, Add* | *79.88* | |
| | | *For Seal Class A, Add* | *170.41* | |
| | | *For Work In Restricted Working Space, Add* | *159.76* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-1077 | LF | 54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 604.89 | 308.10 |
| | | *For Seal Class B, Add* | *77.02* | |
| | | *For Seal Class A, Add* | *164.32* | |
| | | *For Work In Restricted Working Space, Add* | *154.05* | |
| 23 31 13 13-1078 | LF | 54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 616.08 | 313.80 |
| | | *For Seal Class B, Add* | *78.45* | |
| | | *For Seal Class A, Add* | *167.36* | |
| | | *For Work In Restricted Working Space, Add* | *156.90* | |
| 23 31 13 13-1079 | LF | 54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 627.29 | 319.50 |
| | | *For Seal Class B, Add* | *79.88* | |
| | | *For Seal Class A, Add* | *170.41* | |
| | | *For Work In Restricted Working Space, Add* | *159.76* | |
| 23 31 13 13-1080 | LF | 54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 638.51 | 325.21 |
| | | *For Seal Class B, Add* | *81.30* | |
| | | *For Seal Class A, Add* | *173.45* | |
| | | *For Work In Restricted Working Space, Add* | *162.61* | |
| 23 31 13 13-1081 | LF | 54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 649.70 | 330.92 |
| | | *For Seal Class B, Add* | *82.73* | |
| | | *For Seal Class A, Add* | *176.49* | |
| | | *For Work In Restricted Working Space, Add* | *165.46* | |
| 23 31 13 13-1082 | LF | 54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 660.90 | 336.62 |
| | | *For Seal Class B, Add* | *84.16* | |
| | | *For Seal Class A, Add* | *179.53* | |
| | | *For Work In Restricted Working Space, Add* | *168.31* | |
| 23 31 13 13-1083 | LF | 56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 627.29 | 319.50 |
| | | *For Seal Class B, Add* | *79.88* | |
| | | *For Seal Class A, Add* | *170.41* | |
| | | *For Work In Restricted Working Space, Add* | *159.76* | |
| 23 31 13 13-1084 | LF | 56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 638.51 | 325.21 |
| | | *For Seal Class B, Add* | *81.30* | |
| | | *For Seal Class A, Add* | *173.45* | |
| | | *For Work In Restricted Working Space, Add* | *162.61* | |
| 23 31 13 13-1085 | LF | 56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 649.70 | 330.92 |
| | | *For Seal Class B, Add* | *82.73* | |
| | | *For Seal Class A, Add* | *176.49* | |
| | | *For Work In Restricted Working Space, Add* | *165.46* | |
| 23 31 13 13-1086 | LF | 56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 660.90 | 336.62 |
| | | *For Seal Class B, Add* | *84.16* | |
| | | *For Seal Class A, Add* | *179.53* | |
| | | *For Work In Restricted Working Space, Add* | *168.31* | |
| 23 31 13 13-1087 | LF | 56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 672.10 | 342.33 |
| | | *For Seal Class B, Add* | *85.58* | |
| | | *For Seal Class A, Add* | *182.58* | |
| | | *For Work In Restricted Working Space, Add* | *171.17* | |
| 23 31 13 13-1088 | LF | 58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 649.70 | 330.92 |
| | | *For Seal Class B, Add* | *82.73* | |
| | | *For Seal Class A, Add* | *176.49* | |
| | | *For Work In Restricted Working Space, Add* | *165.46* | |
| 23 31 13 13-1089 | LF | 58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 660.90 | 336.62 |
| | | *For Seal Class B, Add* | *84.16* | |
| | | *For Seal Class A, Add* | *179.53* | |
| | | *For Work In Restricted Working Space, Add* | *168.31* | |
| 23 31 13 13-1090 | LF | 58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 672.10 | 342.33 |
| | | *For Seal Class B, Add* | *85.58* | |
| | | *For Seal Class A, Add* | *182.58* | |
| | | *For Work In Restricted Working Space, Add* | *171.17* | |
| 23 31 13 13-1091 | LF | 58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 683.29 | 348.04 |
| | | *For Seal Class B, Add* | *87.01* | |
| | | *For Seal Class A, Add* | *185.62* | |
| | | *For Work In Restricted Working Space, Add* | *174.02* | |
| 23 31 13 13-1092 | LF | 58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 694.51 | 353.74 |
| | | *For Seal Class B, Add* | *88.43* | |
| | | *For Seal Class A, Add* | *188.66* | |
| | | *For Work In Restricted Working Space, Add* | *176.87* | |
| 23 31 13 13-1093 | LF | 60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 672.10 | 342.33 |
| | | *For Seal Class B, Add* | *85.58* | |
| | | *For Seal Class A, Add* | *182.58* | |
| | | *For Work In Restricted Working Space, Add* | *171.17* | |
| 23 31 13 13-1094 | LF | 60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 683.29 | 348.04 |
| | | *For Seal Class B, Add* | *87.01* | |
| | | *For Seal Class A, Add* | *185.62* | |
| | | *For Work In Restricted Working Space, Add* | *174.02* | |
| 23 31 13 13-1095 | LF | 60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 694.51 | 353.74 |
| | | *For Seal Class B, Add* | *88.43* | |
| | | *For Seal Class A, Add* | *188.66* | |
| | | *For Work In Restricted Working Space, Add* | *176.87* | |
| 23 31 13 13-1096 | LF | 60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 705.71 | 359.45 |
| | | *For Seal Class B, Add* | *89.86* | |
| | | *For Seal Class A, Add* | *191.71* | |
| | | *For Work In Restricted Working Space, Add* | *179.72* | |
| 23 31 13 13-1097 | LF | 60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 716.91 | 365.15 |
| | | *For Seal Class B, Add* | *91.29* | |
| | | *For Seal Class A, Add* | *194.75* | |
| | | *For Work In Restricted Working Space, Add* | *182.58* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-1098 | LF | 62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 694.51 | 353.74 |
| | | *For Seal Class B, Add* | *88.43* | |
| | | *For Seal Class A, Add* | *188.66* | |
| | | *For Work In Restricted Working Space, Add* | *176.87* | |
| 23 31 13 13-1099 | LF | 62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 705.71 | 359.45 |
| | | *For Seal Class B, Add* | *89.86* | |
| | | *For Seal Class A, Add* | *191.71* | |
| | | *For Work In Restricted Working Space, Add* | *179.72* | |
| 23 31 13 13-1100 | LF | 62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 716.91 | 365.15 |
| | | *For Seal Class B, Add* | *91.29* | |
| | | *For Seal Class A, Add* | *194.75* | |
| | | *For Work In Restricted Working Space, Add* | *182.58* | |
| 23 31 13 13-1101 | LF | 62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 728.11 | 370.85 |
| | | *For Seal Class B, Add* | *92.72* | |
| | | *For Seal Class A, Add* | *197.79* | |
| | | *For Work In Restricted Working Space, Add* | *185.43* | |
| 23 31 13 13-1102 | LF | 62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 739.30 | 376.56 |
| | | *For Seal Class B, Add* | *94.14* | |
| | | *For Seal Class A, Add* | *200.83* | |
| | | *For Work In Restricted Working Space, Add* | *188.28* | |
| 23 31 13 13-1103 | LF | 64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 716.91 | 365.15 |
| | | *For Seal Class B, Add* | *91.29* | |
| | | *For Seal Class A, Add* | *194.75* | |
| | | *For Work In Restricted Working Space, Add* | *182.58* | |
| 23 31 13 13-1104 | LF | 64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 728.11 | 370.85 |
| | | *For Seal Class B, Add* | *92.72* | |
| | | *For Seal Class A, Add* | *197.79* | |
| | | *For Work In Restricted Working Space, Add* | *185.43* | |
| 23 31 13 13-1105 | LF | 64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 739.30 | 376.56 |
| | | *For Seal Class B, Add* | *94.14* | |
| | | *For Seal Class A, Add* | *200.83* | |
| | | *For Work In Restricted Working Space, Add* | *188.28* | |
| 23 31 13 13-1106 | LF | 64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 750.52 | 382.27 |
| | | *For Seal Class B, Add* | *95.57* | |
| | | *For Seal Class A, Add* | *203.88* | |
| | | *For Work In Restricted Working Space, Add* | *191.13* | |
| 23 31 13 13-1107 | LF | 66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 739.30 | 376.56 |
| | | *For Seal Class B, Add* | *94.14* | |
| | | *For Seal Class A, Add* | *200.83* | |
| | | *For Work In Restricted Working Space, Add* | *188.28* | |
| 23 31 13 13-1108 | LF | 66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 750.52 | 382.27 |
| | | *For Seal Class B, Add* | *95.57* | |
| | | *For Seal Class A, Add* | *203.88* | |
| | | *For Work In Restricted Working Space, Add* | *191.13* | |
| 23 31 13 13-1109 | LF | 66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 761.72 | 387.98 |
| | | *For Seal Class B, Add* | *96.99* | |
| | | *For Seal Class A, Add* | *206.92* | |
| | | *For Work In Restricted Working Space, Add* | *193.99* | |
| 23 31 13 13-1110 | LF | 66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 772.91 | 393.68 |
| | | *For Seal Class B, Add* | *98.42* | |
| | | *For Seal Class A, Add* | *209.96* | |
| | | *For Work In Restricted Working Space, Add* | *196.84* | |
| 23 31 13 13-1111 | LF | 68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 761.72 | 387.98 |
| | | *For Seal Class B, Add* | *96.99* | |
| | | *For Seal Class A, Add* | *206.92* | |
| | | *For Work In Restricted Working Space, Add* | *193.99* | |
| 23 31 13 13-1112 | LF | 68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 772.91 | 393.68 |
| | | *For Seal Class B, Add* | *98.42* | |
| | | *For Seal Class A, Add* | *209.96* | |
| | | *For Work In Restricted Working Space, Add* | *196.84* | |
| 23 31 13 13-1113 | LF | 68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 784.12 | 399.38 |
| | | *For Seal Class B, Add* | *99.85* | |
| | | *For Seal Class A, Add* | *213.01* | |
| | | *For Work In Restricted Working Space, Add* | *199.70* | |
| 23 31 13 13-1114 | LF | 68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 795.31 | 405.09 |
| | | *For Seal Class B, Add* | *101.27* | |
| | | *For Seal Class A, Add* | *216.05* | |
| | | *For Work In Restricted Working Space, Add* | *202.55* | |
| 23 31 13 13-1115 | LF | 70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 784.12 | 399.38 |
| | | *For Seal Class B, Add* | *99.85* | |
| | | *For Seal Class A, Add* | *213.01* | |
| | | *For Work In Restricted Working Space, Add* | *199.70* | |
| 23 31 13 13-1116 | LF | 70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 795.31 | 405.09 |
| | | *For Seal Class B, Add* | *101.27* | |
| | | *For Seal Class A, Add* | *216.05* | |
| | | *For Work In Restricted Working Space, Add* | *202.55* | |
| 23 31 13 13-1117 | LF | 70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 806.54 | 410.80 |
| | | *For Seal Class B, Add* | *102.70* | |
| | | *For Seal Class A, Add* | *219.09* | |
| | | *For Work In Restricted Working Space, Add* | *205.40* | |
| 23 31 13 13-1118 | LF | 70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 817.73 | 416.50 |
| | | *For Seal Class B, Add* | *104.13* | |
| | | *For Seal Class A, Add* | *222.13* | |
| | | *For Work In Restricted Working Space, Add* | *208.25* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-1119 | LF | 70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 828.92 | 422.21 |
| | | *For Seal Class B, Add* | *105.55* | |
| | | *For Seal Class A, Add* | *225.18* | |
| | | *For Work In Restricted Working Space, Add* | *211.10* | |
| 23 31 13 13-1120 | LF | 70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 840.11 | 427.91 |
| | | *For Seal Class B, Add* | *106.98* | |
| | | *For Seal Class A, Add* | *228.22* | |
| | | *For Work In Restricted Working Space, Add* | *213.95* | |
| 23 31 13 13-1121 | LF | 70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 851.32 | 433.62 |
| | | *For Seal Class B, Add* | *108.41* | |
| | | *For Seal Class A, Add* | *231.26* | |
| | | *For Work In Restricted Working Space, Add* | *216.81* | |
| 23 31 13 13-1122 | LF | 70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 862.54 | 439.33 |
| | | *For Seal Class B, Add* | *109.83* | |
| | | *For Seal Class A, Add* | *234.31* | |
| | | *For Work In Restricted Working Space, Add* | *219.66* | |
| 23 31 13 13-1123 | LF | 70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 873.74 | 445.03 |
| | | *For Seal Class B, Add* | *111.26* | |
| | | *For Seal Class A, Add* | *237.35* | |
| | | *For Work In Restricted Working Space, Add* | *222.52* | |
| 23 31 13 13-1124 | LF | 72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 806.54 | 410.80 |
| | | *For Seal Class B, Add* | *102.70* | |
| | | *For Seal Class A, Add* | *219.09* | |
| | | *For Work In Restricted Working Space, Add* | *205.40* | |
| 23 31 13 13-1125 | LF | 72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 817.73 | 416.50 |
| | | *For Seal Class B, Add* | *104.13* | |
| | | *For Seal Class A, Add* | *222.13* | |
| | | *For Work In Restricted Working Space, Add* | *208.25* | |
| 23 31 13 13-1126 | LF | 72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 828.92 | 422.21 |
| | | *For Seal Class B, Add* | *105.55* | |
| | | *For Seal Class A, Add* | *225.18* | |
| | | *For Work In Restricted Working Space, Add* | *211.10* | |
| 23 31 13 13-1127 | LF | 72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 840.11 | 427.91 |
| | | *For Seal Class B, Add* | *106.98* | |
| | | *For Seal Class A, Add* | *228.22* | |
| | | *For Work In Restricted Working Space, Add* | *213.95* | |
| 23 31 13 13-1128 | LF | 72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 851.32 | 433.62 |
| | | *For Seal Class B, Add* | *108.41* | |
| | | *For Seal Class A, Add* | *231.26* | |
| | | *For Work In Restricted Working Space, Add* | *216.81* | |
| 23 31 13 13-1129 | LF | 72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 862.54 | 439.33 |
| | | *For Seal Class B, Add* | *109.83* | |
| | | *For Seal Class A, Add* | *234.31* | |
| | | *For Work In Restricted Working Space, Add* | *219.66* | |
| 23 31 13 13-1130 | LF | 72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 873.74 | 445.03 |
| | | *For Seal Class B, Add* | *111.26* | |
| | | *For Seal Class A, Add* | *237.35* | |
| | | *For Work In Restricted Working Space, Add* | *222.52* | |
| 23 31 13 13-1131 | LF | 72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 884.93 | 450.73 |
| | | *For Seal Class B, Add* | *112.68* | |
| | | *For Seal Class A, Add* | *240.39* | |
| | | *For Work In Restricted Working Space, Add* | *225.37* | |
| 23 31 13 13-1132 | LF | 74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 828.92 | 422.21 |
| | | *For Seal Class B, Add* | *105.55* | |
| | | *For Seal Class A, Add* | *225.18* | |
| | | *For Work In Restricted Working Space, Add* | *211.10* | |
| 23 31 13 13-1133 | LF | 74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 840.11 | 427.91 |
| | | *For Seal Class B, Add* | *106.98* | |
| | | *For Seal Class A, Add* | *228.22* | |
| | | *For Work In Restricted Working Space, Add* | *213.95* | |
| 23 31 13 13-1134 | LF | 74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 851.32 | 433.62 |
| | | *For Seal Class B, Add* | *108.41* | |
| | | *For Seal Class A, Add* | *231.26* | |
| | | *For Work In Restricted Working Space, Add* | *216.81* | |
| 23 31 13 13-1135 | LF | 74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 862.54 | 439.33 |
| | | *For Seal Class B, Add* | *109.83* | |
| | | *For Seal Class A, Add* | *234.31* | |
| | | *For Work In Restricted Working Space, Add* | *219.66* | |
| 23 31 13 13-1136 | LF | 74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 873.74 | 445.03 |
| | | *For Seal Class B, Add* | *111.26* | |
| | | *For Seal Class A, Add* | *237.35* | |
| | | *For Work In Restricted Working Space, Add* | *222.52* | |
| 23 31 13 13-1137 | LF | 74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 884.93 | 450.73 |
| | | *For Seal Class B, Add* | *112.68* | |
| | | *For Seal Class A, Add* | *240.39* | |
| | | *For Work In Restricted Working Space, Add* | *225.37* | |
| 23 31 13 13-1138 | LF | 74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 896.12 | 456.44 |
| | | *For Seal Class B, Add* | *114.11* | |
| | | *For Seal Class A, Add* | *243.43* | |
| | | *For Work In Restricted Working Space, Add* | *228.22* | |
| 23 31 13 13-1139 | LF | 76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 851.32 | 433.62 |
| | | *For Seal Class B, Add* | *108.41* | |
| | | *For Seal Class A, Add* | *231.26* | |
| | | *For Work In Restricted Working Space, Add* | *216.81* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 13-1140 | LF | 76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 862.54 | 439.33 |
| | | *For Seal Class B, Add* | *109.83* | |
| | | *For Seal Class A, Add* | *234.31* | |
| | | *For Work In Restricted Working Space, Add* | *219.66* | |
| 23 31 13 13-1141 | LF | 76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 873.74 | 445.03 |
| | | *For Seal Class B, Add* | *111.26* | |
| | | *For Seal Class A, Add* | *237.35* | |
| | | *For Work In Restricted Working Space, Add* | *222.52* | |
| 23 31 13 13-1142 | LF | 76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 884.93 | 450.73 |
| | | *For Seal Class B, Add* | *112.68* | |
| | | *For Seal Class A, Add* | *240.39* | |
| | | *For Work In Restricted Working Space, Add* | *225.37* | |
| 23 31 13 13-1143 | LF | 76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 896.12 | 456.44 |
| | | *For Seal Class B, Add* | *114.11* | |
| | | *For Seal Class A, Add* | *243.43* | |
| | | *For Work In Restricted Working Space, Add* | *228.22* | |
| 23 31 13 13-1144 | LF | 76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 907.32 | 462.14 |
| | | *For Seal Class B, Add* | *115.54* | |
| | | *For Seal Class A, Add* | *246.48* | |
| | | *For Work In Restricted Working Space, Add* | *231.07* | |
| 23 31 13 13-1145 | LF | 78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 873.74 | 445.03 |
| | | *For Seal Class B, Add* | *111.26* | |
| | | *For Seal Class A, Add* | *237.35* | |
| | | *For Work In Restricted Working Space, Add* | *222.52* | |
| 23 31 13 13-1146 | LF | 78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 884.93 | 450.73 |
| | | *For Seal Class B, Add* | *112.68* | |
| | | *For Seal Class A, Add* | *240.39* | |
| | | *For Work In Restricted Working Space, Add* | *225.37* | |
| 23 31 13 13-1147 | LF | 78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 896.12 | 456.44 |
| | | *For Seal Class B, Add* | *114.11* | |
| | | *For Seal Class A, Add* | *243.43* | |
| | | *For Work In Restricted Working Space, Add* | *228.22* | |
| 23 31 13 13-1148 | LF | 78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 907.32 | 462.14 |
| | | *For Seal Class B, Add* | *115.54* | |
| | | *For Seal Class A, Add* | *246.48* | |
| | | *For Work In Restricted Working Space, Add* | *231.07* | |
| 23 31 13 13-1149 | LF | 78" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 918.54 | 467.84 |
| | | *For Seal Class B, Add* | *116.96* | |
| | | *For Seal Class A, Add* | *249.52* | |
| | | *For Work In Restricted Working Space, Add* | *233.93* | |
| 23 31 13 13-1150 | LF | 80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 896.12 | 456.44 |
| | | *For Seal Class B, Add* | *114.11* | |
| | | *For Seal Class A, Add* | *243.43* | |
| | | *For Work In Restricted Working Space, Add* | *228.22* | |
| 23 31 13 13-1151 | LF | 80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 907.32 | 462.14 |
| | | *For Seal Class B, Add* | *115.54* | |
| | | *For Seal Class A, Add* | *246.48* | |
| | | *For Work In Restricted Working Space, Add* | *231.07* | |
| 23 31 13 13-1152 | LF | 80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 918.54 | 467.84 |
| | | *For Seal Class B, Add* | *116.96* | |
| | | *For Seal Class A, Add* | *249.52* | |
| | | *For Work In Restricted Working Space, Add* | *233.93* | |
| 23 31 13 13-1153 | LF | 80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 939.25 | 479.27 |
| | | *For Seal Class B, Add* | *119.82* | |
| | | *For Seal Class A, Add* | *255.61* | |
| | | *For Work In Restricted Working Space, Add* | *239.63* | |
| 23 31 13 13-1154 | LF | 82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 918.54 | 467.84 |
| | | *For Seal Class B, Add* | *116.96* | |
| | | *For Seal Class A, Add* | *249.52* | |
| | | *For Work In Restricted Working Space, Add* | *233.93* | |
| 23 31 13 13-1155 | LF | 82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 929.74 | 473.56 |
| | | *For Seal Class B, Add* | *118.39* | |
| | | *For Seal Class A, Add* | *252.56* | |
| | | *For Work In Restricted Working Space, Add* | *236.78* | |
| 23 31 13 13-1156 | LF | 82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 940.94 | 479.27 |
| | | *For Seal Class B, Add* | *119.82* | |
| | | *For Seal Class A, Add* | *255.61* | |
| | | *For Work In Restricted Working Space, Add* | *239.63* | |
| 23 31 13 13-1157 | LF | 84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 940.94 | 479.27 |
| | | *For Seal Class B, Add* | *119.82* | |
| | | *For Seal Class A, Add* | *255.61* | |
| | | *For Work In Restricted Working Space, Add* | *239.63* | |
| 23 31 13 13-1158 | LF | 84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 952.14 | 484.97 |
| | | *For Seal Class B, Add* | *121.24* | |
| | | *For Seal Class A, Add* | *258.65* | |
| | | *For Work In Restricted Working Space, Add* | *242.48* | |
| 23 31 13 13-1159 | LF | 86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork | 963.33 | 490.68 |
| | | *For Seal Class B, Add* | *122.67* | |
| | | *For Seal Class A, Add* | *261.69* | |
| | | *For Work In Restricted Working Space, Add* | *245.34* | |

## 23 31 13 16 Round and Flat-Oval Spiral Ducts *(23 31 13)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0001 | | **Low Pressure Round And Flat-Oval Duct** *(23 31 13 16)*<br>Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer. | | |
| 23 31 13 16-0002 | | **Galvanized Sheet Metal Round And Flat-Oval Ducts** *(23 31 13 16-0001)*<br>Note: Includes straps and supports. | | |
| 23 31 13 16-0003 | LF | 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct | 8.09 | 2.80 |
| | | *For Seal Class B, Add* | *0.86* | |
| | | *For Seal Class A, Add* | *2.29* | |
| | | *For Up To 20', Add* | *0.71* | |
| | | *For >20' To 50', Add* | *0.28* | |
| | | *For >200' To 500', Deduct* | *-0.18* | |
| | | *For >500', Deduct* | *-0.30* | |
| | | *For 28 Gauge, Deduct* | *-0.33* | |
| | | *For 24 Gauge, Add* | *0.33* | |
| | | *For 22 Gauge, Add* | *0.65* | |
| | | *For 20 Gauge, Add* | *0.98* | |
| | | *For 18 Gauge, Add* | *1.30* | |
| | | *For 16 Gauge, Add* | *1.59* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *1.75* | |
| | | *For Work In Restricted Working Space, Add* | *1.72* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.57* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.43* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *2.87* | |
| | | *For Elevated Installation >40', Add* | *3.15* | |
| 23 31 13 16-0004 | LF | 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct | 9.36 | 3.18 |
| | | *For Seal Class B, Add* | *0.96* | |
| | | *For Seal Class A, Add* | *2.55* | |
| | | *For Up To 20', Add* | *0.90* | |
| | | *For >20' To 50', Add* | *0.36* | |
| | | *For >200' To 500', Deduct* | *-0.22* | |
| | | *For >500', Deduct* | *-0.37* | |
| | | *For 28 Gauge, Deduct* | *-0.41* | |
| | | *For 24 Gauge, Add* | *0.41* | |
| | | *For 22 Gauge, Add* | *0.82* | |
| | | *For 20 Gauge, Add* | *1.24* | |
| | | *For 18 Gauge, Add* | *1.64* | |
| | | *For 16 Gauge, Add* | *2.02* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *2.21* | |
| | | *For Work In Restricted Working Space, Add* | *1.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.27* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.23* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.55* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.19* | |
| | | *For Elevated Installation >40', Add* | *3.50* | |
| 23 31 13 16-0005 | LF | 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct | 10.62 | 3.82 |
| | | *For Seal Class B, Add* | *1.08* | |
| | | *For Seal Class A, Add* | *2.87* | |
| | | *For Up To 20', Add* | *1.04* | |
| | | *For >20' To 50', Add* | *0.41* | |
| | | *For >200' To 500', Deduct* | *-0.26* | |
| | | *For >500', Deduct* | *-0.43* | |
| | | *For 28 Gauge, Deduct* | *-0.48* | |
| | | *For 24 Gauge, Add* | *0.48* | |
| | | *For 22 Gauge, Add* | *0.95* | |
| | | *For 20 Gauge, Add* | *1.43* | |
| | | *For 18 Gauge, Add* | *1.90* | |
| | | *For 16 Gauge, Add* | *2.33* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *2.55* | |
| | | *For Work In Restricted Working Space, Add* | *2.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.72* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.51* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.87* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.59* | |
| | | *For Elevated Installation >40', Add* | *3.94* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0006 | LF | 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct | 11.91 | 4.46 |
| | | *For Seal Class B, Add* | *1.23* | |
| | | *For Seal Class A, Add* | *3.28* | |
| | | *For Up To 20', Add* | *1.12* | |
| | | *For >20' To 50', Add* | *0.45* | |
| | | *For >200' To 500', Deduct* | *-0.28* | |
| | | *For >500', Deduct* | *-0.47* | |
| | | *For 28 Gauge, Deduct* | *-0.52* | |
| | | *For 24 Gauge, Add* | *0.51* | |
| | | *For 22 Gauge, Add* | *1.02* | |
| | | *For 20 Gauge, Add* | *1.54* | |
| | | *For 18 Gauge, Add* | *2.05* | |
| | | *For 16 Gauge, Add* | *2.51* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *2.75* | |
| | | *For Work In Restricted Working Space, Add* | *2.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.82* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.64* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.05* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.28* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.10* | |
| | | *For Elevated Installation >40', Add* | *4.50* | |
| 23 31 13 16-0007 | LF | 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct | 13.54 | 5.09 |
| | | *For Seal Class B, Add* | *1.43* | |
| | | *For Seal Class A, Add* | *3.82* | |
| | | *For Up To 20', Add* | *1.20* | |
| | | *For >20' To 50', Add* | *0.48* | |
| | | *For >200' To 500', Deduct* | *-0.30* | |
| | | *For >500', Deduct* | *-0.50* | |
| | | *For 28 Gauge, Deduct* | *-0.55* | |
| | | *For 24 Gauge, Add* | *0.55* | |
| | | *For 22 Gauge, Add* | *1.10* | |
| | | *For 20 Gauge, Add* | *1.65* | |
| | | *For 18 Gauge, Add* | *2.19* | |
| | | *For 16 Gauge, Add* | *2.69* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *2.95* | |
| | | *For Work In Restricted Working Space, Add* | *2.87* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.39* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.78* | |
| | | *For Elevated Installation >40', Add* | *5.25* | |
| 23 31 13 16-0008 | LF | 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct | 17.27 | 6.37 |
| | | *For Seal Class B, Add* | *1.72* | |
| | | *For Seal Class A, Add* | *4.58* | |
| | | *For Up To 20', Add* | *1.74* | |
| | | *For >20' To 50', Add* | *0.70* | |
| | | *For >200' To 500', Deduct* | *-0.44* | |
| | | *For >500', Deduct* | *-0.73* | |
| | | *For 28 Gauge, Deduct* | *-0.80* | |
| | | *For 24 Gauge, Add* | *0.80* | |
| | | *For 22 Gauge, Add* | *1.60* | |
| | | *For 20 Gauge, Add* | *2.41* | |
| | | *For 18 Gauge, Add* | *3.20* | |
| | | *For 16 Gauge, Add* | *3.92* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *4.30* | |
| | | *For Work In Restricted Working Space, Add* | *3.44* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.29* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.58* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.73* | |
| | | *For Elevated Installation >40', Add* | *6.30* | |
| 23 31 13 16-0009 | LF | 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct | 21.13 | 8.54 |
| | | *For Seal Class B, Add* | *2.15* | |
| | | *For Seal Class A, Add* | *5.73* | |
| | | *For Up To 20', Add* | *2.04* | |
| | | *For >20' To 50', Add* | *0.82* | |
| | | *For >200' To 500', Deduct* | *-0.51* | |
| | | *For >500', Deduct* | *-0.85* | |
| | | *For 28 Gauge, Deduct* | *-0.94* | |
| | | *For 24 Gauge, Add* | *0.94* | |
| | | *For 22 Gauge, Add* | *1.87* | |
| | | *For 20 Gauge, Add* | *2.82* | |
| | | *For 18 Gauge, Add* | *3.74* | |
| | | *For 16 Gauge, Add* | *4.59* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.03* | |
| | | *For Work In Restricted Working Space, Add* | *4.30* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.17* | |
| | | *For Elevated Installation >40', Add* | *7.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0010 | LF | 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct | 25.64 | 12.74 |
| | | *For Seal Class B, Add* | *2.69* | |
| | | *For Seal Class A, Add* | *7.17* | |
| | | *For Up To 20', Add* | *2.32* | |
| | | *For >20' To 50', Add* | *0.93* | |
| | | *For >200' To 500', Deduct* | *-0.58* | |
| | | *For >500', Deduct* | *-0.97* | |
| | | *For 28 Gauge, Deduct* | *-1.07* | |
| | | *For 24 Gauge, Add* | *1.07* | |
| | | *For 22 Gauge, Add* | *2.13* | |
| | | *For 20 Gauge, Add* | *3.20* | |
| | | *For 18 Gauge, Add* | *4.25* | |
| | | *For 16 Gauge, Add* | *5.21* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.38* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.79* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.58* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.17* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.96* | |
| | | *For Elevated Installation >40', Add* | *9.86* | |
| 23 31 13 16-0011 | LF | 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct | 34.49 | 17.07 |
| | | *For Seal Class B, Add* | *3.58* | |
| | | *For Seal Class A, Add* | *9.56* | |
| | | *For Up To 20', Add* | *3.18* | |
| | | *For >20' To 50', Add* | *1.27* | |
| | | *For >200' To 500', Deduct* | *-0.80* | |
| | | *For >500', Deduct* | *-1.33* | |
| | | *For 28 Gauge, Deduct* | *-1.47* | |
| | | *For 24 Gauge, Add* | *1.46* | |
| | | *For 22 Gauge, Add* | *2.92* | |
| | | *For 20 Gauge, Add* | *4.39* | |
| | | *For 18 Gauge, Add* | *5.83* | |
| | | *For 16 Gauge, Add* | *7.16* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *7.84* | |
| | | *For Work In Restricted Working Space, Add* | *7.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.39* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.78* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.95* | |
| | | *For Elevated Installation >40', Add* | *13.14* | |
| 23 31 13 16-0012 | LF | 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct | 49.15 | 20.51 |
| | | *For Up To 20', Add* | *6.15* | |
| | | *For >20' To 50', Add* | *2.46* | |
| | | *For >200' To 500', Deduct* | *-1.54* | |
| | | *For >500', Deduct* | *-2.56* | |
| | | *For 28 Gauge, Deduct* | *-2.84* | |
| | | *For 24 Gauge, Add* | *2.83* | |
| | | *For 22 Gauge, Add* | *5.64* | |
| | | *For 20 Gauge, Add* | *8.48* | |
| | | *For 18 Gauge, Add* | *11.27* | |
| | | *For 16 Gauge, Add* | *13.83* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *15.16* | |
| | | *For Work In Restricted Working Space, Add* | *8.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.73* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.46* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.33* | |
| | | *For Elevated Installation >40', Add* | *15.76* | |
| 23 31 13 16-0013 | LF | 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct | 56.00 | 23.69 |
| | | *For Up To 20', Add* | *6.86* | |
| | | *For >20' To 50', Add* | *2.75* | |
| | | *For >200' To 500', Deduct* | *-1.72* | |
| | | *For >500', Deduct* | *-2.86* | |
| | | *For 28 Gauge, Deduct* | *-3.17* | |
| | | *For 24 Gauge, Add* | *3.16* | |
| | | *For 22 Gauge, Add* | *6.30* | |
| | | *For 20 Gauge, Add* | *9.47* | |
| | | *For 18 Gauge, Add* | *12.58* | |
| | | *For 16 Gauge, Add* | *15.44* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *16.93* | |
| | | *For Work In Restricted Working Space, Add* | *9.94* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.31* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.62* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.59* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.56* | |
| | | *For Elevated Installation >40', Add* | *18.22* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0014 | | Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows *(23 31 13 16-0001)* | | |
| | | Note: Up to 90 degree. | | |
| 23 31 13 16-0015 | EA | 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow | 40.76 | 17.01 |
| | | *For Seal Class B, Add* | *5.10* | |
| | | *For Seal Class A, Add* | *13.60* | |
| | | *For 28 Gauge, Deduct* | *-0.93* | |
| | | *For 24 Gauge, Add* | *0.93* | |
| | | *For 22 Gauge, Add* | *1.86* | |
| | | *For 20 Gauge, Add* | *2.79* | |
| | | *For 18 Gauge, Add* | *3.71* | |
| | | *For 16 Gauge, Add* | *4.56* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.00* | |
| | | *For Work In Restricted Working Space, Add* | *10.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.40* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.80* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.50* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.90* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.60* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.01* | |
| | | *For Elevated Installation >40', Add* | *18.71* | |
| 23 31 13 16-0016 | EA | 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow | 46.59 | 19.62 |
| | | *For Seal Class B, Add* | *5.89* | |
| | | *For Seal Class A, Add* | *15.70* | |
| | | *For 28 Gauge, Deduct* | *-1.02* | |
| | | *For 24 Gauge, Add* | *1.01* | |
| | | *For 22 Gauge, Add* | *2.02* | |
| | | *For 20 Gauge, Add* | *3.04* | |
| | | *For 18 Gauge, Add* | *4.04* | |
| | | *For 16 Gauge, Add* | *4.96* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.44* | |
| | | *For Work In Restricted Working Space, Add* | *11.77* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.85* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.81* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.73* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.70* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.62* | |
| | | *For Elevated Installation >40', Add* | *21.58* | |
| 23 31 13 16-0017 | EA | 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow | 54.63 | 23.18 |
| | | *For Seal Class B, Add* | *6.96* | |
| | | *For Seal Class A, Add* | *18.55* | |
| | | *For 28 Gauge, Deduct* | *-1.14* | |
| | | *For 24 Gauge, Add* | *1.14* | |
| | | *For 22 Gauge, Add* | *2.28* | |
| | | *For 20 Gauge, Add* | *3.42* | |
| | | *For 18 Gauge, Add* | *4.54* | |
| | | *For 16 Gauge, Add* | *5.58* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *6.11* | |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.27* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.23* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.55* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.19* | |
| | | *For Elevated Installation >40', Add* | *25.50* | |
| 23 31 13 16-0018 | EA | 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow | 69.78 | 29.80 |
| | | *For Seal Class B, Add* | *8.94* | |
| | | *For Seal Class A, Add* | *23.85* | |
| | | *For 28 Gauge, Deduct* | *-1.41* | |
| | | *For 24 Gauge, Add* | *1.40* | |
| | | *For 22 Gauge, Add* | *2.80* | |
| | | *For 20 Gauge, Add* | *4.21* | |
| | | *For 18 Gauge, Add* | *5.59* | |
| | | *For 16 Gauge, Add* | *6.86* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *7.52* | |
| | | *For Work In Restricted Working Space, Add* | *17.89* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.91* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.85* | |
| | | *For Elevated Installation >35' To 40', Add* | *29.81* | |
| | | *For Elevated Installation >40', Add* | *32.79* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0019 | EA | 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow | 83.58 | 36.31 |
| | | *For Seal Class B, Add* | *10.89* | |
| | | *For Seal Class A, Add* | *29.04* | |
| | | *For 28 Gauge, Deduct* | *-1.52* | |
| | | *For 24 Gauge, Add* | *1.51* | |
| | | *For 22 Gauge, Add* | *3.02* | |
| | | *For 20 Gauge, Add* | *4.54* | |
| | | *For 18 Gauge, Add* | *6.03* | |
| | | *For 16 Gauge, Add* | *7.40* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *8.12* | |
| | | *For Work In Restricted Working Space, Add* | *21.78* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.26* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.15* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.41* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *36.31* | |
| | | *For Elevated Installation >40', Add* | *39.94* | |
| 23 31 13 16-0020 | EA | 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow | 127.85 | 56.69 |
| | | *For Seal Class B, Add* | *17.01* | |
| | | *For Seal Class A, Add* | *45.35* | |
| | | *For 28 Gauge, Deduct* | *-2.01* | |
| | | *For 24 Gauge, Add* | *2.00* | |
| | | *For 22 Gauge, Add* | *3.99* | |
| | | *For 20 Gauge, Add* | *5.99* | |
| | | *For 18 Gauge, Add* | *7.96* | |
| | | *For 16 Gauge, Add* | *9.77* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *10.72* | |
| | | *For Work In Restricted Working Space, Add* | *34.01* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *22.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *39.68* | |
| | | *For Elevated Installation >30' To 35', Add* | *45.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *56.69* | |
| | | *For Elevated Installation >40', Add* | *62.35* | |
| 23 31 13 16-0021 | EA | 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow | 176.30 | 78.34 |
| | | *For Seal Class B, Add* | *23.50* | |
| | | *For Seal Class A, Add* | *62.67* | |
| | | *For 28 Gauge, Deduct* | *-2.72* | |
| | | *For 24 Gauge, Add* | *2.71* | |
| | | *For 22 Gauge, Add* | *5.41* | |
| | | *For 20 Gauge, Add* | *8.12* | |
| | | *For 18 Gauge, Add* | *10.79* | |
| | | *For 16 Gauge, Add* | *13.24* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *14.52* | |
| | | *For Work In Restricted Working Space, Add* | *47.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.67* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.34* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *54.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *62.67* | |
| | | *For Elevated Installation >35' To 40', Add* | *78.34* | |
| | | *For Elevated Installation >40', Add* | *86.17* | |
| 23 31 13 16-0022 | EA | 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow | 215.42 | 92.67 |
| | | *For Seal Class B, Add* | *27.80* | |
| | | *For Seal Class A, Add* | *74.14* | |
| | | *For 28 Gauge, Deduct* | *-4.16* | |
| | | *For 24 Gauge, Add* | *4.15* | |
| | | *For 22 Gauge, Add* | *8.28* | |
| | | *For 20 Gauge, Add* | *12.45* | |
| | | *For 18 Gauge, Add* | *16.54* | |
| | | *For 16 Gauge, Add* | *20.30* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *22.25* | |
| | | *For Work In Restricted Working Space, Add* | *55.61* | |
| | | *For Elevated Installation >10' To 15', Add* | *18.54* | |
| | | *For Elevated Installation >15' To 20', Add* | *37.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *46.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *64.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *74.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *92.68* | |
| | | *For Elevated Installation >40', Add* | *101.94* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0023 | EA | 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow | 246.91 | 101.90 |
| | | *For Seal Class B, Add* | *30.57* | |
| | | *For Seal Class A, Add* | *81.53* | |
| | | *For 28 Gauge, Deduct* | *-5.97* | |
| | | *For 24 Gauge, Add* | *5.95* | |
| | | *For 22 Gauge, Add* | *11.87* | |
| | | *For 20 Gauge, Add* | *17.84* | |
| | | *For 18 Gauge, Add* | *23.70* | |
| | | *For 16 Gauge, Add* | *29.09* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *31.89* | |
| | | *For Work In Restricted Working Space, Add* | *61.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *50.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *71.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *81.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *101.91* | |
| | | *For Elevated Installation >40', Add* | *112.10* | |
| 23 31 13 16-0024 | EA | 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow | 276.61 | 106.05 |
| | | *For Seal Class B, Add* | *31.81* | |
| | | *For Seal Class A, Add* | *84.84* | |
| | | *For 28 Gauge, Deduct* | *-8.94* | |
| | | *For 24 Gauge, Add* | *8.90* | |
| | | *For 22 Gauge, Add* | *17.78* | |
| | | *For 20 Gauge, Add* | *26.71* | |
| | | *For 18 Gauge, Add* | *35.49* | |
| | | *For 16 Gauge, Add* | *43.55* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *47.74* | |
| | | *For Work In Restricted Working Space, Add* | *63.63* | |
| | | *For Elevated Installation >10' To 15', Add* | *21.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *42.42* | |
| | | *For Elevated Installation >20' To 25', Add* | *53.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *74.23* | |
| | | *For Elevated Installation >30' To 35', Add* | *84.84* | |
| | | *For Elevated Installation >35' To 40', Add* | *106.05* | |
| | | *For Elevated Installation >40', Add* | *116.65* | |
| 23 31 13 16-0025 | EA | 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow | 305.12 | 109.55 |
| | | *For Seal Class B, Add* | *32.86* | |
| | | *For Seal Class A, Add* | *87.64* | |
| | | *For 28 Gauge, Deduct* | *-11.92* | |
| | | *For 24 Gauge, Add* | *11.87* | |
| | | *For 22 Gauge, Add* | *23.70* | |
| | | *For 20 Gauge, Add* | *35.62* | |
| | | *For 18 Gauge, Add* | *47.32* | |
| | | *For 16 Gauge, Add* | *58.07* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *63.66* | |
| | | *For Work In Restricted Working Space, Add* | *65.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *21.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *43.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *54.77* | |
| | | *For Elevated Installation >25' To 30', Add* | *76.68* | |
| | | *For Elevated Installation >30' To 35', Add* | *87.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *109.55* | |
| | | *For Elevated Installation >40', Add* | *120.50* | |

## 23 31 13 16-0026 Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows *(23 31 13 16-0001)*

| | | | | |
|---|---|---|---|---|
| 23 31 13 16-0027 | EA | 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow | 34.34 | 11.46 |
| | | *For Seal Class B, Add* | *4.30* | |
| | | *For Seal Class A, Add* | *11.46* | |
| | | *For 28 Gauge, Deduct* | *-0.79* | |
| | | *For 24 Gauge, Add* | *0.78* | |
| | | *For 22 Gauge, Add* | *1.56* | |
| | | *For 20 Gauge, Add* | *2.35* | |
| | | *For 18 Gauge, Add* | *3.12* | |
| | | *For 16 Gauge, Add* | *3.83* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *4.20* | |
| | | *For Work In Restricted Working Space, Add* | *8.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.73* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.46* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.33* | |
| | | *For Elevated Installation >40', Add* | *15.76* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0028 | EA | 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow | 39.22 | 13.13 |
| | | *For Seal Class B, Add* | *4.91* | |
| | | *For Seal Class A, Add* | *13.10* | |
| | | *For 28 Gauge, Deduct* | *-0.90* | |
| | | *For 24 Gauge, Add* | *0.89* | |
| | | *For 22 Gauge, Add* | *1.78* | |
| | | *For 20 Gauge, Add* | *2.68* | |
| | | *For 18 Gauge, Add* | *3.56* | |
| | | *For 16 Gauge, Add* | *4.37* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *4.79* | |
| | | *For Work In Restricted Working Space, Add* | *9.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.28* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.55* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.46* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.10* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.38* | |
| | | *For Elevated Installation >40', Add* | *18.01* | |
| 23 31 13 16-0029 | EA | 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow | 45.59 | 15.29 |
| | | *For Seal Class B, Add* | *5.73* | |
| | | *For Seal Class A, Add* | *15.29* | |
| | | *For 28 Gauge, Deduct* | *-1.02* | |
| | | *For 24 Gauge, Add* | *1.02* | |
| | | *For 22 Gauge, Add* | *2.03* | |
| | | *For 20 Gauge, Add* | *3.05* | |
| | | *For 18 Gauge, Add* | *4.05* | |
| | | *For 16 Gauge, Add* | *4.97* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.45* | |
| | | *For Work In Restricted Working Space, Add* | *11.47* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.82* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.64* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.38* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.11* | |
| | | *For Elevated Installation >40', Add* | *21.02* | |
| 23 31 13 16-0030 | EA | 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow | 53.67 | 18.34 |
| | | *For Seal Class B, Add* | *6.88* | |
| | | *For Seal Class A, Add* | *18.34* | |
| | | *For 28 Gauge, Deduct* | *-1.08* | |
| | | *For 24 Gauge, Add* | *1.08* | |
| | | *For 22 Gauge, Add* | *2.15* | |
| | | *For 20 Gauge, Add* | *3.23* | |
| | | *For 18 Gauge, Add* | *4.30* | |
| | | *For 16 Gauge, Add* | *5.27* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.78* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.17* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.05* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *22.93* | |
| | | *For Elevated Installation >40', Add* | *25.22* | |
| 23 31 13 16-0031 | EA | 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow | 66.38 | 22.93 |
| | | *For Seal Class B, Add* | *8.60* | |
| | | *For Seal Class A, Add* | *22.93* | |
| | | *For 28 Gauge, Deduct* | *-1.25* | |
| | | *For 24 Gauge, Add* | *1.25* | |
| | | *For 22 Gauge, Add* | *2.50* | |
| | | *For 20 Gauge, Add* | *3.75* | |
| | | *For 18 Gauge, Add* | *4.98* | |
| | | *For 16 Gauge, Add* | *6.12* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *6.70* | |
| | | *For Work In Restricted Working Space, Add* | *17.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.46* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.66* | |
| | | *For Elevated Installation >40', Add* | *31.53* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0032 | EA | 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow | 89.37 | 30.57 |
| | | *For Seal Class B, Add* | *11.46* | |
| | | *For Seal Class A, Add* | *30.57* | |
| | | *For 28 Gauge, Deduct* | *-1.79* | |
| | | *For 24 Gauge, Add* | *1.79* | |
| | | *For 22 Gauge, Add* | *3.56* | |
| | | *For 20 Gauge, Add* | *5.36* | |
| | | *For 18 Gauge, Add* | *7.12* | |
| | | *For 16 Gauge, Add* | *8.73* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *9.58* | |
| | | *For Work In Restricted Working Space, Add* | *22.93* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.29* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *30.57* | |
| | | *For Elevated Installation >35' To 40', Add* | *38.22* | |
| | | *For Elevated Installation >40', Add* | *42.04* | |
| 23 31 13 16-0033 | EA | 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow | 131.78 | 45.86 |
| | | *For Seal Class B, Add* | *17.20* | |
| | | *For Seal Class A, Add* | *45.86* | |
| | | *For 28 Gauge, Deduct* | *-2.37* | |
| | | *For 24 Gauge, Add* | *2.36* | |
| | | *For 22 Gauge, Add* | *4.72* | |
| | | *For 20 Gauge, Add* | *7.09* | |
| | | *For 18 Gauge, Add* | *9.42* | |
| | | *For 16 Gauge, Add* | *11.56* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *12.68* | |
| | | *For Work In Restricted Working Space, Add* | *34.40* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.47* | |
| | | *For Elevated Installation >15' To 20', Add* | *22.93* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *45.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.33* | |
| | | *For Elevated Installation >40', Add* | *63.06* | |
| 23 31 13 16-0034 | EA | 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow | 178.55 | 58.60 |
| | | *For Seal Class B, Add* | *21.97* | |
| | | *For Seal Class A, Add* | *58.60* | |
| | | *For 28 Gauge, Deduct* | *-4.44* | |
| | | *For 24 Gauge, Add* | *4.42* | |
| | | *For 22 Gauge, Add* | *8.83* | |
| | | *For 20 Gauge, Add* | *13.27* | |
| | | *For 18 Gauge, Add* | *17.63* | |
| | | *For 16 Gauge, Add* | *21.64* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *23.72* | |
| | | *For Work In Restricted Working Space, Add* | *43.95* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.65* | |
| | | *For Elevated Installation >15' To 20', Add* | *29.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *36.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *51.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *58.60* | |
| | | *For Elevated Installation >35' To 40', Add* | *73.25* | |
| | | *For Elevated Installation >40', Add* | *80.57* | |
| 23 31 13 16-0035 | EA | 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow | 223.94 | 73.88 |
| | | *For Seal Class B, Add* | *27.71* | |
| | | *For Seal Class A, Add* | *73.88* | |
| | | *For 28 Gauge, Deduct* | *-5.43* | |
| | | *For 24 Gauge, Add* | *5.41* | |
| | | *For 22 Gauge, Add* | *10.81* | |
| | | *For 20 Gauge, Add* | *16.24* | |
| | | *For 18 Gauge, Add* | *21.58* | |
| | | *For 16 Gauge, Add* | *26.48* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *29.03* | |
| | | *For Work In Restricted Working Space, Add* | *55.41* | |
| | | *For Elevated Installation >10' To 15', Add* | *18.47* | |
| | | *For Elevated Installation >15' To 20', Add* | *36.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *46.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *64.65* | |
| | | *For Elevated Installation >30' To 35', Add* | *73.88* | |
| | | *For Elevated Installation >35' To 40', Add* | *92.36* | |
| | | *For Elevated Installation >40', Add* | *101.59* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0036 | EA | 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow | 253.29 | 77.07 |
| | | *For Seal Class B, Add* | *28.85* | |
| | | *For Seal Class A, Add* | *76.94* | |
| | | *For 28 Gauge, Deduct* | *-8.44* | |
| | | *For 24 Gauge, Add* | *8.41* | |
| | | *For 22 Gauge, Add* | *16.79* | |
| | | *For 20 Gauge, Add* | *25.23* | |
| | | *For 18 Gauge, Add* | *33.52* | |
| | | *For 16 Gauge, Add* | *41.13* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *45.10* | |
| | | *For Work In Restricted Working Space, Add* | *57.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *19.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *38.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *48.09* | |
| | | *For Elevated Installation >25' To 30', Add* | *67.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *76.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *96.18* | |
| | | *For Elevated Installation >40', Add* | *105.79* | |
| 23 31 13 16-0037 | EA | 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow | 278.69 | 78.97 |
| | | *For Seal Class B, Add* | *29.62* | |
| | | *For Seal Class A, Add* | *78.98* | |
| | | *For 28 Gauge, Deduct* | *-11.25* | |
| | | *For 24 Gauge, Add* | *11.21* | |
| | | *For 22 Gauge, Add* | *22.38* | |
| | | *For 20 Gauge, Add* | *33.64* | |
| | | *For 18 Gauge, Add* | *44.69* | |
| | | *For 16 Gauge, Add* | *54.84* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *60.13* | |
| | | *For Work In Restricted Working Space, Add* | *59.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *19.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *39.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *49.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *69.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *78.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *98.72* | |
| | | *For Elevated Installation >40', Add* | *108.59* | |

## 23 31 13 16-0038 Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows *(23 31 13 16-0001)*

| | | | | |
|---|---|---|---|---|
| 23 31 13 16-0039 | EA | 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow | 32.22 | 11.46 |
| | | *For Seal Class B, Add* | *4.30* | |
| | | *For Seal Class A, Add* | *11.46* | |
| | | *For 28 Gauge, Deduct* | *-0.49* | |
| | | *For 24 Gauge, Add* | *0.49* | |
| | | *For 22 Gauge, Add* | *0.98* | |
| | | *For 20 Gauge, Add* | *1.47* | |
| | | *For 18 Gauge, Add* | *1.96* | |
| | | *For 16 Gauge, Add* | *2.40* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *2.63* | |
| | | *For Work In Restricted Working Space, Add* | *8.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.73* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.46* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.33* | |
| | | *For Elevated Installation >40', Add* | *15.76* | |
| 23 31 13 16-0040 | EA | 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow | 37.33 | 13.13 |
| | | *For Seal Class B, Add* | *4.91* | |
| | | *For Seal Class A, Add* | *13.10* | |
| | | *For 28 Gauge, Deduct* | *-0.63* | |
| | | *For 24 Gauge, Add* | *0.63* | |
| | | *For 22 Gauge, Add* | *1.26* | |
| | | *For 20 Gauge, Add* | *1.90* | |
| | | *For 18 Gauge, Add* | *2.52* | |
| | | *For 16 Gauge, Add* | *3.09* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *3.39* | |
| | | *For Work In Restricted Working Space, Add* | *9.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.28* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.55* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.46* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.10* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.38* | |
| | | *For Elevated Installation >40', Add* | *18.01* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0041 | EA | 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow | 43.22 | 15.29 |
| | | *For Seal Class B, Add* | *5.73* | |
| | | *For Seal Class A, Add* | *15.29* | |
| | | *For 28 Gauge, Deduct* | *-0.69* | |
| | | *For 24 Gauge, Add* | *0.69* | |
| | | *For 22 Gauge, Add* | *1.38* | |
| | | *For 20 Gauge, Add* | *2.07* | |
| | | *For 18 Gauge, Add* | *2.75* | |
| | | *For 16 Gauge, Add* | *3.38* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *3.70* | |
| | | *For Work In Restricted Working Space, Add* | *11.47* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.82* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.64* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.38* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.11* | |
| | | *For Elevated Installation >40', Add* | *21.02* | |
| 23 31 13 16-0042 | EA | 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow | 51.66 | 18.34 |
| | | *For Seal Class B, Add* | *6.88* | |
| | | *For Seal Class A, Add* | *18.34* | |
| | | *For 28 Gauge, Deduct* | *-0.80* | |
| | | *For 24 Gauge, Add* | *0.80* | |
| | | *For 22 Gauge, Add* | *1.60* | |
| | | *For 20 Gauge, Add* | *2.40* | |
| | | *For 18 Gauge, Add* | *3.19* | |
| | | *For 16 Gauge, Add* | *3.92* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *4.29* | |
| | | *For Work In Restricted Working Space, Add* | *13.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.17* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.05* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *22.93* | |
| | | *For Elevated Installation >40', Add* | *25.22* | |
| 23 31 13 16-0043 | EA | 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow | 63.91 | 22.93 |
| | | *For Seal Class B, Add* | *8.60* | |
| | | *For Seal Class A, Add* | *22.93* | |
| | | *For 28 Gauge, Deduct* | *-0.91* | |
| | | *For 24 Gauge, Add* | *0.91* | |
| | | *For 22 Gauge, Add* | *1.82* | |
| | | *For 20 Gauge, Add* | *2.73* | |
| | | *For 18 Gauge, Add* | *3.62* | |
| | | *For 16 Gauge, Add* | *4.45* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *4.88* | |
| | | *For Work In Restricted Working Space, Add* | *17.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.46* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.66* | |
| | | *For Elevated Installation >40', Add* | *31.53* | |
| 23 31 13 16-0044 | EA | 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow | 86.49 | 30.57 |
| | | *For Seal Class B, Add* | *11.46* | |
| | | *For Seal Class A, Add* | *30.57* | |
| | | *For 28 Gauge, Deduct* | *-1.39* | |
| | | *For 24 Gauge, Add* | *1.39* | |
| | | *For 22 Gauge, Add* | *2.77* | |
| | | *For 20 Gauge, Add* | *4.16* | |
| | | *For 18 Gauge, Add* | *5.53* | |
| | | *For 16 Gauge, Add* | *6.79* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *7.44* | |
| | | *For Work In Restricted Working Space, Add* | *22.93* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.29* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *30.57* | |
| | | *For Elevated Installation >35' To 40', Add* | *38.22* | |
| | | *For Elevated Installation >40', Add* | *42.04* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0045 | EA | 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow | 127.59 | 45.86 |
| | | *For Seal Class B, Add* | *17.20* | |
| | | *For Seal Class A, Add* | *45.86* | |
| | | *For 28 Gauge, Deduct* | *-1.79* | |
| | | *For 24 Gauge, Add* | *1.79* | |
| | | *For 22 Gauge, Add* | *3.56* | |
| | | *For 20 Gauge, Add* | *5.36* | |
| | | *For 18 Gauge, Add* | *7.12* | |
| | | *For 16 Gauge, Add* | *8.73* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *9.58* | |
| | | *For Work In Restricted Working Space, Add* | *34.40* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.47* | |
| | | *For Elevated Installation >15' To 20', Add* | *22.93* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *45.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.33* | |
| | | *For Elevated Installation >40', Add* | *63.06* | |
| 23 31 13 16-0046 | EA | 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow | 168.89 | 58.60 |
| | | *For Seal Class B, Add* | *21.97* | |
| | | *For Seal Class A, Add* | *58.60* | |
| | | *For 28 Gauge, Deduct* | *-3.10* | |
| | | *For 24 Gauge, Add* | *3.09* | |
| | | *For 22 Gauge, Add* | *6.17* | |
| | | *For 20 Gauge, Add* | *9.27* | |
| | | *For 18 Gauge, Add* | *12.32* | |
| | | *For 16 Gauge, Add* | *15.12* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *16.58* | |
| | | *For Work In Restricted Working Space, Add* | *43.95* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.65* | |
| | | *For Elevated Installation >15' To 20', Add* | *29.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *36.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *51.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *58.60* | |
| | | *For Elevated Installation >35' To 40', Add* | *73.25* | |
| | | *For Elevated Installation >40', Add* | *80.57* | |
| 23 31 13 16-0047 | EA | 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow | 221.45 | 73.88 |
| | | *For Seal Class B, Add* | *27.71* | |
| | | *For Seal Class A, Add* | *73.88* | |
| | | *For 28 Gauge, Deduct* | *-5.09* | |
| | | *For 24 Gauge, Add* | *5.07* | |
| | | *For 22 Gauge, Add* | *10.12* | |
| | | *For 20 Gauge, Add* | *15.21* | |
| | | *For 18 Gauge, Add* | *20.21* | |
| | | *For 16 Gauge, Add* | *24.80* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *27.19* | |
| | | *For Work In Restricted Working Space, Add* | *55.41* | |
| | | *For Elevated Installation >10' To 15', Add* | *18.47* | |
| | | *For Elevated Installation >15' To 20', Add* | *36.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *46.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *64.65* | |
| | | *For Elevated Installation >30' To 35', Add* | *73.88* | |
| | | *For Elevated Installation >35' To 40', Add* | *92.36* | |
| | | *For Elevated Installation >40', Add* | *101.59* | |
| 23 31 13 16-0048 | EA | 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow | 236.76 | 77.07 |
| | | *For Seal Class B, Add* | *28.85* | |
| | | *For Seal Class A, Add* | *76.94* | |
| | | *For 28 Gauge, Deduct* | *-6.15* | |
| | | *For 24 Gauge, Add* | *6.13* | |
| | | *For 22 Gauge, Add* | *12.23* | |
| | | *For 20 Gauge, Add* | *18.39* | |
| | | *For 18 Gauge, Add* | *24.43* | |
| | | *For 16 Gauge, Add* | *29.98* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *32.86* | |
| | | *For Work In Restricted Working Space, Add* | *57.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *19.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *38.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *48.09* | |
| | | *For Elevated Installation >25' To 30', Add* | *67.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *76.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *96.18* | |
| | | *For Elevated Installation >40', Add* | *105.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0049 | EA | 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow | 254.33 | 78.97 |
| | | *For Seal Class B, Add* | *29.62* | |
| | | *For Seal Class A, Add* | *78.98* | |
| | | *For 28 Gauge, Deduct* | *-7.88* | |
| | | *For 24 Gauge, Add* | *7.85* | |
| | | *For 22 Gauge, Add* | *15.67* | |
| | | *For 20 Gauge, Add* | *23.55* | |
| | | *For 18 Gauge, Add* | *31.29* | |
| | | *For 16 Gauge, Add* | *38.40* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *42.10* | |
| | | *For Work In Restricted Working Space, Add* | *59.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *19.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *39.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *49.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *69.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *78.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *98.72* | |
| | | *For Elevated Installation >40', Add* | *108.59* | |

## 23 31 13 16-0050 Galvanized Sheet Metal Round And Flat-Oval Tees *(23 31 13 16-0001)*

| | | | | |
|---|---|---|---|---|
| 23 31 13 16-0051 | EA | 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee | 50.94 | 17.19 |
| | | *For Seal Class B, Add* | *6.45* | |
| | | *For Seal Class A, Add* | *17.20* | |
| | | *For 28 Gauge, Deduct* | *-1.10* | |
| | | *For 24 Gauge, Add* | *1.10* | |
| | | *For 22 Gauge, Add* | *2.19* | |
| | | *For 20 Gauge, Add* | *3.29* | |
| | | *For 18 Gauge, Add* | *4.37* | |
| | | *For 16 Gauge, Add* | *5.37* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.88* | |
| | | *For Work In Restricted Working Space, Add* | *12.90* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.60* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.05* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.50* | |
| | | *For Elevated Installation >40', Add* | *23.64* | |
| 23 31 13 16-0052 | EA | 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee | 59.69 | 19.62 |
| | | *For Seal Class B, Add* | *7.37* | |
| | | *For Seal Class A, Add* | *19.66* | |
| | | *For 28 Gauge, Deduct* | *-1.46* | |
| | | *For 24 Gauge, Add* | *1.46* | |
| | | *For 22 Gauge, Add* | *2.91* | |
| | | *For 20 Gauge, Add* | *4.37* | |
| | | *For 18 Gauge, Add* | *5.80* | |
| | | *For 16 Gauge, Add* | *7.12* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *7.81* | |
| | | *For Work In Restricted Working Space, Add* | *14.74* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.29* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.57* | |
| | | *For Elevated Installation >40', Add* | *27.03* | |
| 23 31 13 16-0053 | EA | 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee | 68.77 | 22.93 |
| | | *For Seal Class B, Add* | *8.60* | |
| | | *For Seal Class A, Add* | *22.93* | |
| | | *For 28 Gauge, Deduct* | *-1.59* | |
| | | *For 24 Gauge, Add* | *1.58* | |
| | | *For 22 Gauge, Add* | *3.15* | |
| | | *For 20 Gauge, Add* | *4.74* | |
| | | *For 18 Gauge, Add* | *6.30* | |
| | | *For 16 Gauge, Add* | *7.73* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *8.47* | |
| | | *For Work In Restricted Working Space, Add* | *17.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.46* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.66* | |
| | | *For Elevated Installation >40', Add* | *31.53* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0054 | EA | 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee | 81.96 | 27.52 |
| | | *For Seal Class B, Add* | *10.32* | |
| | | *For Seal Class A, Add* | *27.51* | |
| | | *For 28 Gauge, Deduct* | *-1.83* | |
| | | *For 24 Gauge, Add* | *1.82* | |
| | | *For 22 Gauge, Add* | *3.63* | |
| | | *For 20 Gauge, Add* | *5.46* | |
| | | *For 18 Gauge, Add* | *7.25* | |
| | | *For 16 Gauge, Add* | *8.90* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *9.75* | |
| | | *For Work In Restricted Working Space, Add* | *20.63* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.07* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.51* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.39* | |
| | | *For Elevated Installation >40', Add* | *37.83* | |
| 23 31 13 16-0055 | EA | 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee | 107.30 | 34.39 |
| | | *For Seal Class B, Add* | *12.90* | |
| | | *For Seal Class A, Add* | *34.40* | |
| | | *For 28 Gauge, Deduct* | *-2.95* | |
| | | *For 24 Gauge, Add* | *2.94* | |
| | | *For 22 Gauge, Add* | *5.87* | |
| | | *For 20 Gauge, Add* | *8.82* | |
| | | *For 18 Gauge, Add* | *11.72* | |
| | | *For 16 Gauge, Add* | *14.38* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *15.77* | |
| | | *For Work In Restricted Working Space, Add* | *25.80* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.60* | |
| | | *For Elevated Installation >15' To 20', Add* | *17.20* | |
| | | *For Elevated Installation >20' To 25', Add* | *21.50* | |
| | | *For Elevated Installation >25' To 30', Add* | *30.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *34.40* | |
| | | *For Elevated Installation >35' To 40', Add* | *43.00* | |
| | | *For Elevated Installation >40', Add* | *47.29* | |
| 23 31 13 16-0056 | EA | 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee | 141.83 | 45.86 |
| | | *For Seal Class B, Add* | *17.20* | |
| | | *For Seal Class A, Add* | *45.86* | |
| | | *For 28 Gauge, Deduct* | *-3.76* | |
| | | *For 24 Gauge, Add* | *3.75* | |
| | | *For 22 Gauge, Add* | *7.49* | |
| | | *For 20 Gauge, Add* | *11.25* | |
| | | *For 18 Gauge, Add* | *14.95* | |
| | | *For 16 Gauge, Add* | *18.35* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *20.11* | |
| | | *For Work In Restricted Working Space, Add* | *34.40* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.47* | |
| | | *For Elevated Installation >15' To 20', Add* | *22.93* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *45.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.33* | |
| | | *For Elevated Installation >40', Add* | *63.06* | |
| 23 31 13 16-0057 | EA | 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee | 199.11 | 68.79 |
| | | *For Seal Class B, Add* | *25.79* | |
| | | *For Seal Class A, Add* | *68.77* | |
| | | *For 28 Gauge, Deduct* | *-3.76* | |
| | | *For 24 Gauge, Add* | *3.75* | |
| | | *For 22 Gauge, Add* | *7.49* | |
| | | *For 20 Gauge, Add* | *11.25* | |
| | | *For 18 Gauge, Add* | *14.95* | |
| | | *For 16 Gauge, Add* | *18.35* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *20.11* | |
| | | *For Work In Restricted Working Space, Add* | *51.58* | |
| | | *For Elevated Installation >10' To 15', Add* | *17.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *34.39* | |
| | | *For Elevated Installation >20' To 25', Add* | *42.98* | |
| | | *For Elevated Installation >25' To 30', Add* | *60.18* | |
| | | *For Elevated Installation >30' To 35', Add* | *68.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *85.97* | |
| | | *For Elevated Installation >40', Add* | *94.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0058 | EA | 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee | 271.41 | 87.64 |
| | | *For Seal Class B, Add* | *32.94* | |
| | | *For Seal Class A, Add* | *87.85* | |
| | | *For 28 Gauge, Deduct* | *-7.17* | |
| | | *For 24 Gauge, Add* | *7.15* | |
| | | *For 22 Gauge, Add* | *14.27* | |
| | | *For 20 Gauge, Add* | *21.44* | |
| | | *For 18 Gauge, Add* | *28.48* | |
| | | *For 16 Gauge, Add* | *34.95* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *38.32* | |
| | | *For Work In Restricted Working Space, Add* | *65.89* | |
| | | *For Elevated Installation >10' To 15', Add* | *21.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *43.93* | |
| | | *For Elevated Installation >20' To 25', Add* | *54.91* | |
| | | *For Elevated Installation >25' To 30', Add* | *76.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *87.85* | |
| | | *For Elevated Installation >35' To 40', Add* | *109.82* | |
| | | *For Elevated Installation >40', Add* | *120.80* | |
| 23 31 13 16-0059 | EA | 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee | 349.61 | 111.08 |
| | | *For Seal Class B, Add* | *41.54* | |
| | | *For Seal Class A, Add* | *110.77* | |
| | | *For 28 Gauge, Deduct* | *-10.07* | |
| | | *For 24 Gauge, Add* | *10.03* | |
| | | *For 22 Gauge, Add* | *20.03* | |
| | | *For 20 Gauge, Add* | *30.09* | |
| | | *For 18 Gauge, Add* | *39.98* | |
| | | *For 16 Gauge, Add* | *49.07* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *53.79* | |
| | | *For Work In Restricted Working Space, Add* | *83.08* | |
| | | *For Elevated Installation >10' To 15', Add* | *27.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *55.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *69.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *96.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *110.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *138.46* | |
| | | *For Elevated Installation >40', Add* | *152.31* | |
| 23 31 13 16-0060 | EA | 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee | 402.14 | 123.56 |
| | | *For Seal Class B, Add* | *46.43* | |
| | | *For Seal Class A, Add* | *123.82* | |
| | | *For 28 Gauge, Deduct* | *-12.83* | |
| | | *For 24 Gauge, Add* | *12.78* | |
| | | *For 22 Gauge, Add* | *25.51* | |
| | | *For 20 Gauge, Add* | *38.34* | |
| | | *For 18 Gauge, Add* | *50.93* | |
| | | *For 16 Gauge, Add* | *62.51* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *68.52* | |
| | | *For Work In Restricted Working Space, Add* | *92.86* | |
| | | *For Elevated Installation >10' To 15', Add* | *30.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *61.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *77.39* | |
| | | *For Elevated Installation >25' To 30', Add* | *108.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *123.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *154.77* | |
| | | *For Elevated Installation >40', Add* | *170.25* | |
| 23 31 13 16-0061 | EA | 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee | 422.49 | 128.02 |
| | | *For Seal Class B, Add* | *47.96* | |
| | | *For Seal Class A, Add* | *127.89* | |
| | | *For 28 Gauge, Deduct* | *-14.23* | |
| | | *For 24 Gauge, Add* | *14.18* | |
| | | *For 22 Gauge, Add* | *28.31* | |
| | | *For 20 Gauge, Add* | *42.54* | |
| | | *For 18 Gauge, Add* | *56.52* | |
| | | *For 16 Gauge, Add* | *69.36* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *76.04* | |
| | | *For Work In Restricted Working Space, Add* | *95.92* | |
| | | *For Elevated Installation >10' To 15', Add* | *31.97* | |
| | | *For Elevated Installation >15' To 20', Add* | *63.95* | |
| | | *For Elevated Installation >20' To 25', Add* | *79.93* | |
| | | *For Elevated Installation >25' To 30', Add* | *111.91* | |
| | | *For Elevated Installation >30' To 35', Add* | *127.89* | |
| | | *For Elevated Installation >35' To 40', Add* | *159.87* | |
| | | *For Elevated Installation >40', Add* | *175.85* | |

## 23 31 13 16-0062 Galvanized Sheet Metal Round And Flat-Oval Connectors *(23 31 13 16-0001)*

| | | | | |
|---|---|---|---|---|
| 23 31 13 16-0063 | EA | 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector | 23.05 | |
| | | *For Seal Class B, Add* | *3.06* | |
| | | *For Seal Class A, Add* | *8.15* | |
| | | *For Work In Restricted Working Space, Add* | *6.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.08* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.19* | |
| | | *For Elevated Installation >40', Add* | *11.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0064 | EA | 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector | 24.29 | |
| | | *For Seal Class B, Add* | *3.21* | |
| | | *For Seal Class A, Add* | *8.57* | |
| | | *For Work In Restricted Working Space, Add* | *6.43* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.14* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.57* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.71* | |
| | | *For Elevated Installation >40', Add* | *11.78* | |
| 23 31 13 16-0065 | EA | 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector | 26.02 | |
| | | *For Seal Class B, Add* | *3.44* | |
| | | *For Seal Class A, Add* | *9.17* | |
| | | *For Work In Restricted Working Space, Add* | *6.88* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.17* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.47* | |
| | | *For Elevated Installation >40', Add* | *12.61* | |
| 23 31 13 16-0066 | EA | 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector | 27.73 | |
| | | *For Seal Class B, Add* | *3.63* | |
| | | *For Seal Class A, Add* | *9.68* | |
| | | *For Work In Restricted Working Space, Add* | *7.26* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.42* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.84* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.05* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.47* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.68* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.11* | |
| | | *For Elevated Installation >40', Add* | *13.32* | |
| 23 31 13 16-0067 | EA | 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector | 30.09 | |
| | | *For Seal Class B, Add* | *3.92* | |
| | | *For Seal Class A, Add* | *10.44* | |
| | | *For Work In Restricted Working Space, Add* | *7.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.06* | |
| | | *For Elevated Installation >40', Add* | *14.36* | |
| 23 31 13 16-0068 | EA | 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector | 35.44 | |
| | | *For Seal Class B, Add* | *4.38* | |
| | | *For Seal Class A, Add* | *11.67* | |
| | | *For Work In Restricted Working Space, Add* | *8.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.29* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.21* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.67* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.59* | |
| | | *For Elevated Installation >40', Add* | *16.04* | |
| 23 31 13 16-0069 | EA | 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector | 48.34 | |
| | | *For Seal Class B, Add* | *6.12* | |
| | | *For Seal Class A, Add* | *16.31* | |
| | | *For Work In Restricted Working Space, Add* | *12.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.31* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.39* | |
| | | *For Elevated Installation >40', Add* | *22.42* | |
| 23 31 13 16-0070 | EA | 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector | 55.18 | |
| | | *For Seal Class B, Add* | *6.96* | |
| | | *For Seal Class A, Add* | *18.55* | |
| | | *For Work In Restricted Working Space, Add* | *13.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.60* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.23* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.55* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.19* | |
| | | *For Elevated Installation >40', Add* | *25.51* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0071 | EA | 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector | 60.69 | |
| | | *For Seal Class B, Add* | *7.62* | |
| | | *For Seal Class A, Add* | *20.33* | |
| | | *For Work In Restricted Working Space, Add* | *15.25* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.17* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.71* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.79* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.33* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.42* | |
| | | *For Elevated Installation >40', Add* | *27.96* | |
| 23 31 13 16-0072 | EA | 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector | 66.04 | |
| | | *For Seal Class B, Add* | *8.25* | |
| | | *For Seal Class A, Add* | *22.01* | |
| | | *For Work In Restricted Working Space, Add* | *16.51* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.01* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.01* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.52* | |
| | | *For Elevated Installation >40', Add* | *30.27* | |
| 23 31 13 16-0073 | EA | 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector | 71.95 | |
| | | *For Seal Class B, Add* | *9.00* | |
| | | *For Seal Class A, Add* | *24.00* | |
| | | *For Work In Restricted Working Space, Add* | *18.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.00* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.00* | |
| | | *For Elevated Installation >25' To 30', Add* | *21.00* | |
| | | *For Elevated Installation >30' To 35', Add* | *24.00* | |
| | | *For Elevated Installation >35' To 40', Add* | *30.00* | |
| | | *For Elevated Installation >40', Add* | *33.00* | |

## 23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

## 23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0074)*

| | | | | |
|---|---|---|---|---|
| 23 31 13 16-0076 | LF | 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct | 10.02 | 1.18 |
| | | *For Seal Class B, Add* | *0.95* | |
| | | *For Seal Class A, Add* | *2.52* | |
| | | *For Up To 20', Add* | *1.12* | |
| | | *For >20' To 50', Add* | *0.45* | |
| | | *For >200' To 500', Deduct* | *-0.28* | |
| | | *For >500', Deduct* | *-0.47* | |
| | | *For 24 Gauge, Add* | *0.74* | |
| | | *For 22 Gauge, Add* | *1.71* | |
| | | *For 20 Gauge, Add* | *2.79* | |
| | | *For 18 Gauge, Add* | *4.28* | |
| | | *For 16 Gauge, Add* | *5.21* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *2.75* | |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |
| 23 31 13 16-0077 | LF | 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct | 12.94 | 2.35 |
| | | *For Seal Class B, Add* | *1.13* | |
| | | *For Seal Class A, Add* | *3.02* | |
| | | *For Up To 20', Add* | *1.61* | |
| | | *For >20' To 50', Add* | *0.65* | |
| | | *For >200' To 500', Deduct* | *-0.40* | |
| | | *For >500', Deduct* | *-0.67* | |
| | | *For 24 Gauge, Add* | *1.08* | |
| | | *For 22 Gauge, Add* | *2.47* | |
| | | *For 20 Gauge, Add* | *4.04* | |
| | | *For 18 Gauge, Add* | *6.19* | |
| | | *For 16 Gauge, Add* | *7.53* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *3.98* | |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |
| 23 31 13 16-0078 | LF | 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct | 16.45 | 2.35 |
| | | *For Seal Class B, Add* | *1.41* | |
| | | *For Seal Class A, Add* | *3.75* | |
| | | *For Up To 20', Add* | *2.12* | |
| | | *For >20' To 50', Add* | *0.85* | |
| | | *For >200' To 500', Deduct* | *-0.53* | |
| | | *For >500', Deduct* | *-0.89* | |
| | | *For 24 Gauge, Add* | *1.42* | |
| | | *For 22 Gauge, Add* | *3.26* | |
| | | *For 20 Gauge, Add* | *5.31* | |
| | | *For 18 Gauge, Add* | *8.14* | |
| | | *For 16 Gauge, Add* | *9.91* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.24* | |
| | | *For Work In Restricted Working Space, Add* | *2.81* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0079 | LF | 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct | 20.01 | 2.35 |
| | | *For Seal Class B, Add* | *1.69* | |
| | | *For Seal Class A, Add* | *4.50* | |
| | | *For Up To 20', Add* | *2.63* | |
| | | *For >20' To 50', Add* | *1.05* | |
| | | *For >200' To 500', Deduct* | *-0.66* | |
| | | *For >500', Deduct* | *-1.09* | |
| | | *For 24 Gauge, Add* | *1.75* | |
| | | *For 22 Gauge, Add* | *4.03* | |
| | | *For 20 Gauge, Add* | *6.56* | |
| | | *For 18 Gauge, Add* | *10.06* | |
| | | *For 16 Gauge, Add* | *12.25* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *6.48* | |
| | | *For Work In Restricted Working Space, Add* | *3.38* | |
| 23 31 13 16-0080 | LF | 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct | 24.86 | 3.52 |
| | | *For Seal Class B, Add* | *2.12* | |
| | | *For Seal Class A, Add* | *5.64* | |
| | | *For Up To 20', Add* | *3.23* | |
| | | *For >20' To 50', Add* | *1.29* | |
| | | *For >200' To 500', Deduct* | *-0.81* | |
| | | *For >500', Deduct* | *-1.35* | |
| | | *For 24 Gauge, Add* | *2.15* | |
| | | *For 22 Gauge, Add* | *4.95* | |
| | | *For 20 Gauge, Add* | *8.07* | |
| | | *For 18 Gauge, Add* | *12.37* | |
| | | *For 16 Gauge, Add* | *15.06* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *7.96* | |
| | | *For Work In Restricted Working Space, Add* | *4.23* | |
| 23 31 13 16-0081 | LF | 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct | 30.09 | 3.52 |
| | | *For Seal Class B, Add* | *2.64* | |
| | | *For Seal Class A, Add* | *7.05* | |
| | | *For Up To 20', Add* | *3.74* | |
| | | *For >20' To 50', Add* | *1.50* | |
| | | *For >200' To 500', Deduct* | *-0.93* | |
| | | *For >500', Deduct* | *-1.56* | |
| | | *For 24 Gauge, Add* | *2.49* | |
| | | *For 22 Gauge, Add* | *5.73* | |
| | | *For 20 Gauge, Add* | *9.35* | |
| | | *For 18 Gauge, Add* | *14.33* | |
| | | *For 16 Gauge, Add* | *17.44* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *9.22* | |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| 23 31 13 16-0082 | LF | 16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct | 41.58 | 3.52 |
| | | *For Seal Class B, Add* | *3.52* | |
| | | *For Seal Class A, Add* | *9.39* | |
| | | *For Up To 20', Add* | *5.43* | |
| | | *For >20' To 50', Add* | *2.17* | |
| | | *For >200' To 500', Deduct* | *-1.36* | |
| | | *For >500', Deduct* | *-2.26* | |
| | | *For 24 Gauge, Add* | *3.62* | |
| | | *For 22 Gauge, Add* | *8.33* | |
| | | *For 20 Gauge, Add* | *13.58* | |
| | | *For 18 Gauge, Add* | *20.82* | |
| | | *For 16 Gauge, Add* | *25.34* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *13.39* | |
| | | *For Work In Restricted Working Space, Add* | *7.04* | |
| 23 31 13 16-0083 | LF | 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct | 47.43 | 4.70 |
| | | *For Seal Class B, Add* | *4.10* | |
| | | *For Seal Class A, Add* | *10.94* | |
| | | *For Up To 20', Add* | *6.02* | |
| | | *For >20' To 50', Add* | *2.41* | |
| | | *For >200' To 500', Deduct* | *-1.51* | |
| | | *For >500', Deduct* | *-2.51* | |
| | | *For 24 Gauge, Add* | *4.01* | |
| | | *For 22 Gauge, Add* | *9.23* | |
| | | *For 20 Gauge, Add* | *15.05* | |
| | | *For 18 Gauge, Add* | *23.08* | |
| | | *For 16 Gauge, Add* | *28.10* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *14.85* | |
| | | *For Work In Restricted Working Space, Add* | *8.21* | |
| 23 31 13 16-0084 | LF | 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct | 53.46 | 4.70 |
| | | *For Seal Class B, Add* | *4.66* | |
| | | *For Seal Class A, Add* | *12.43* | |
| | | *For Up To 20', Add* | *6.72* | |
| | | *For >20' To 50', Add* | *2.69* | |
| | | *For >200' To 500', Deduct* | *-1.68* | |
| | | *For >500', Deduct* | *-2.80* | |
| | | *For 24 Gauge, Add* | *4.48* | |
| | | *For 22 Gauge, Add* | *10.30* | |
| | | *For 20 Gauge, Add* | *16.79* | |
| | | *For 18 Gauge, Add* | *25.75* | |
| | | *For 16 Gauge, Add* | *31.35* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *16.57* | |
| | | *For Work In Restricted Working Space, Add* | *9.32* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0085 | LF | 22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct | 59.75 | 5.88 |
| | | *For Seal Class B, Add* | *5.25* | |
| | | *For Seal Class A, Add* | *14.00* | |
| | | *For Up To 20', Add* | *7.43* | |
| | | *For >20' To 50', Add* | *2.97* | |
| | | *For >200' To 500', Deduct* | *-1.86* | |
| | | *For >500', Deduct* | *-3.09* | |
| | | *For 24 Gauge, Add* | *4.95* | |
| | | *For 22 Gauge, Add* | *11.39* | |
| | | *For 20 Gauge, Add* | *18.56* | |
| | | *For 18 Gauge, Add* | *28.46* | |
| | | *For 16 Gauge, Add* | *34.65* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *18.32* | |
| | | *For Work In Restricted Working Space, Add* | *10.50* | |
| 23 31 13 16-0086 | LF | 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct | 66.06 | 7.05 |
| | | *For Seal Class B, Add* | *5.88* | |
| | | *For Seal Class A, Add* | *15.67* | |
| | | *For Up To 20', Add* | *8.07* | |
| | | *For >20' To 50', Add* | *3.23* | |
| | | *For >200' To 500', Deduct* | *-2.02* | |
| | | *For >500', Deduct* | *-3.36* | |
| | | *For 24 Gauge, Add* | *5.38* | |
| | | *For 22 Gauge, Add* | *12.37* | |
| | | *For 20 Gauge, Add* | *20.17* | |
| | | *For 18 Gauge, Add* | *30.92* | |
| | | *For 16 Gauge, Add* | *37.65* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *19.90* | |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |

## 23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0074)*

| | | | | |
|---|---|---|---|---|
| 23 31 13 16-0088 | EA | 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow | 78.00 | 16.45 |
| | | *For Seal Class B, Add* | *9.53* | |
| | | *For Seal Class A, Add* | *25.41* | |
| | | *For 24 Gauge, Add* | *2.90* | |
| | | *For 22 Gauge, Add* | *6.66* | |
| | | *For 20 Gauge, Add* | *10.86* | |
| | | *For 18 Gauge, Add* | *16.65* | |
| | | *For 16 Gauge, Add* | *20.27* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *10.72* | |
| | | *For Work In Restricted Working Space, Add* | *19.06* | |
| 23 31 13 16-0089 | EA | 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow | 114.57 | 23.50 |
| | | *For Seal Class B, Add* | *14.10* | |
| | | *For Seal Class A, Add* | *37.61* | |
| | | *For 24 Gauge, Add* | *4.11* | |
| | | *For 22 Gauge, Add* | *9.45* | |
| | | *For 20 Gauge, Add* | *15.41* | |
| | | *For 18 Gauge, Add* | *23.63* | |
| | | *For 16 Gauge, Add* | *28.77* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *15.21* | |
| | | *For Work In Restricted Working Space, Add* | *28.21* | |
| 23 31 13 16-0090 | EA | 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow | 162.92 | 30.56 |
| | | *For Seal Class B, Add* | *18.56* | |
| | | *For Seal Class A, Add* | *49.49* | |
| | | *For 24 Gauge, Add* | *7.84* | |
| | | *For 22 Gauge, Add* | *18.03* | |
| | | *For 20 Gauge, Add* | *29.40* | |
| | | *For 18 Gauge, Add* | *45.08* | |
| | | *For 16 Gauge, Add* | *54.88* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *29.01* | |
| | | *For Work In Restricted Working Space, Add* | *37.12* | |
| 23 31 13 16-0091 | EA | 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow | 202.85 | 38.79 |
| | | *For Seal Class B, Add* | *23.51* | |
| | | *For Seal Class A, Add* | *62.68* | |
| | | *For 24 Gauge, Add* | *9.23* | |
| | | *For 22 Gauge, Add* | *21.23* | |
| | | *For 20 Gauge, Add* | *34.61* | |
| | | *For 18 Gauge, Add* | *53.07* | |
| | | *For 16 Gauge, Add* | *64.61* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *34.15* | |
| | | *For Work In Restricted Working Space, Add* | *47.01* | |
| 23 31 13 16-0092 | EA | 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow | 250.06 | 49.36 |
| | | *For Seal Class B, Add* | *29.38* | |
| | | *For Seal Class A, Add* | *78.35* | |
| | | *For 24 Gauge, Add* | *10.84* | |
| | | *For 22 Gauge, Add* | *24.92* | |
| | | *For 20 Gauge, Add* | *40.64* | |
| | | *For 18 Gauge, Add* | *62.31* | |
| | | *For 16 Gauge, Add* | *75.85* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *40.09* | |
| | | *For Work In Restricted Working Space, Add* | *58.76* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0093 | EA | 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow | 274.00 | 54.06 |
| | | *For Seal Class B, Add* | *32.05* | |
| | | *For Seal Class A, Add* | *85.47* | |
| | | *For 24 Gauge, Add* | *12.06* | |
| | | *For 22 Gauge, Add* | *27.75* | |
| | | *For 20 Gauge, Add* | *45.24* | |
| | | *For 18 Gauge, Add* | *69.37* | |
| | | *For 16 Gauge, Add* | *84.45* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *44.64* | |
| | | *For Work In Restricted Working Space, Add* | *64.10* | |
| 23 31 13 16-0094 | EA | 16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow | 323.34 | 63.46 |
| | | *For Seal Class B, Add* | *37.91* | |
| | | *For Seal Class A, Add* | *101.10* | |
| | | *For 24 Gauge, Add* | *14.12* | |
| | | *For 22 Gauge, Add* | *32.47* | |
| | | *For 20 Gauge, Add* | *52.94* | |
| | | *For 18 Gauge, Add* | *81.18* | |
| | | *For 16 Gauge, Add* | *98.83* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *52.24* | |
| | | *For Work In Restricted Working Space, Add* | *75.83* | |
| 23 31 13 16-0095 | EA | 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow | 394.63 | 78.74 |
| | | *For Seal Class B, Add* | *47.01* | |
| | | *For Seal Class A, Add* | *125.36* | |
| | | *For 24 Gauge, Add* | *16.25* | |
| | | *For 22 Gauge, Add* | *37.37* | |
| | | *For 20 Gauge, Add* | *60.92* | |
| | | *For 18 Gauge, Add* | *93.41* | |
| | | *For 16 Gauge, Add* | *113.72* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *60.11* | |
| | | *For Work In Restricted Working Space, Add* | *94.02* | |
| 23 31 13 16-0096 | EA | 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow | 475.01 | 95.20 |
| | | *For Seal Class B, Add* | *56.87* | |
| | | *For Seal Class A, Add* | *151.65* | |
| | | *For 24 Gauge, Add* | *19.18* | |
| | | *For 22 Gauge, Add* | *44.11* | |
| | | *For 20 Gauge, Add* | *71.92* | |
| | | *For 18 Gauge, Add* | *110.27* | |
| | | *For 16 Gauge, Add* | *134.25* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *70.96* | |
| | | *For Work In Restricted Working Space, Add* | *113.74* | |
| 23 31 13 16-0097 | EA | 22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow | 552.32 | 110.48 |
| | | *For Seal Class B, Add* | *66.53* | |
| | | *For Seal Class A, Add* | *177.40* | |
| | | *For 24 Gauge, Add* | *21.76* | |
| | | *For 22 Gauge, Add* | *50.06* | |
| | | *For 20 Gauge, Add* | *81.62* | |
| | | *For 18 Gauge, Add* | *125.14* | |
| | | *For 16 Gauge, Add* | *152.35* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *80.53* | |
| | | *For Work In Restricted Working Space, Add* | *133.05* | |
| 23 31 13 16-0098 | EA | 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow | 634.42 | 125.75 |
| | | *For Seal Class B, Add* | *75.02* | |
| | | *For Seal Class A, Add* | *200.05* | |
| | | *For 24 Gauge, Add* | *26.86* | |
| | | *For 22 Gauge, Add* | *61.78* | |
| | | *For 20 Gauge, Add* | *100.73* | |
| | | *For 18 Gauge, Add* | *154.45* | |
| | | *For 16 Gauge, Add* | *188.02* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *99.38* | |
| | | *For Work In Restricted Working Space, Add* | *150.04* | |

## 23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows *(23 31 13 16-0074)*

| | | | | |
|---|---|---|---|---|
| 23 31 13 16-0100 | EA | 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow | 78.68 | 16.45 |
| | | *For Seal Class B, Add* | *9.53* | |
| | | *For Seal Class A, Add* | *25.41* | |
| | | *For 24 Gauge, Add* | *3.03* | |
| | | *For 22 Gauge, Add* | *6.97* | |
| | | *For 20 Gauge, Add* | *11.37* | |
| | | *For 18 Gauge, Add* | *17.43* | |
| | | *For 16 Gauge, Add* | *21.22* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *11.22* | |
| | | *For Work In Restricted Working Space, Add* | *19.06* | |
| 23 31 13 16-0101 | EA | 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow | 111.05 | 23.50 |
| | | *For Seal Class B, Add* | *14.10* | |
| | | *For Seal Class A, Add* | *37.61* | |
| | | *For 24 Gauge, Add* | *3.41* | |
| | | *For 22 Gauge, Add* | *7.83* | |
| | | *For 20 Gauge, Add* | *12.77* | |
| | | *For 18 Gauge, Add* | *19.58* | |
| | | *For 16 Gauge, Add* | *23.84* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *12.60* | |
| | | *For Work In Restricted Working Space, Add* | *28.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0102 | EA | 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow | 146.55 | 30.56 |
| | | *For Seal Class B, Add* | *18.56* | |
| | | *For Seal Class A, Add* | *49.49* | |
| | | *For 24 Gauge, Add* | *4.57* | |
| | | *For 22 Gauge, Add* | *10.50* | |
| | | *For 20 Gauge, Add* | *17.12* | |
| | | *For 18 Gauge, Add* | *26.25* | |
| | | *For 16 Gauge, Add* | *31.96* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *16.89* | |
| | | *For Work In Restricted Working Space, Add* | *37.12* | |
| 23 31 13 16-0103 | EA | 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow | 185.24 | 38.79 |
| | | *For Seal Class B, Add* | *23.51* | |
| | | *For Seal Class A, Add* | *62.68* | |
| | | *For 24 Gauge, Add* | *5.71* | |
| | | *For 22 Gauge, Add* | *13.13* | |
| | | *For 20 Gauge, Add* | *21.41* | |
| | | *For 18 Gauge, Add* | *32.82* | |
| | | *For 16 Gauge, Add* | *39.96* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *21.12* | |
| | | *For Work In Restricted Working Space, Add* | *47.01* | |
| 23 31 13 16-0104 | EA | 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow | 229.05 | 49.36 |
| | | *For Seal Class B, Add* | *29.38* | |
| | | *For Seal Class A, Add* | *78.35* | |
| | | *For 24 Gauge, Add* | *6.63* | |
| | | *For 22 Gauge, Add* | *15.26* | |
| | | *For 20 Gauge, Add* | *24.88* | |
| | | *For 18 Gauge, Add* | *38.15* | |
| | | *For 16 Gauge, Add* | *46.44* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *24.55* | |
| | | *For Work In Restricted Working Space, Add* | *58.76* | |
| 23 31 13 16-0105 | EA | 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow | 250.55 | 54.06 |
| | | *For Seal Class B, Add* | *32.05* | |
| | | *For Seal Class A, Add* | *85.47* | |
| | | *For 24 Gauge, Add* | *7.37* | |
| | | *For 22 Gauge, Add* | *16.96* | |
| | | *For 20 Gauge, Add* | *27.65* | |
| | | *For 18 Gauge, Add* | *42.40* | |
| | | *For 16 Gauge, Add* | *51.62* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *27.28* | |
| | | *For Work In Restricted Working Space, Add* | *64.10* | |
| 23 31 13 16-0106 | EA | 16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow | 313.19 | 63.46 |
| | | *For Seal Class B, Add* | *37.91* | |
| | | *For Seal Class A, Add* | *101.10* | |
| | | *For 24 Gauge, Add* | *12.09* | |
| | | *For 22 Gauge, Add* | *27.80* | |
| | | *For 20 Gauge, Add* | *45.33* | |
| | | *For 18 Gauge, Add* | *69.51* | |
| | | *For 16 Gauge, Add* | *84.62* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *44.73* | |
| | | *For Work In Restricted Working Space, Add* | *75.83* | |
| 23 31 13 16-0107 | EA | 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow | 387.44 | 78.74 |
| | | *For Seal Class B, Add* | *47.01* | |
| | | *For Seal Class A, Add* | *125.36* | |
| | | *For 24 Gauge, Add* | *14.81* | |
| | | *For 22 Gauge, Add* | *34.06* | |
| | | *For 20 Gauge, Add* | *55.53* | |
| | | *For 18 Gauge, Add* | *85.15* | |
| | | *For 16 Gauge, Add* | *103.66* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *54.79* | |
| | | *For Work In Restricted Working Space, Add* | *94.02* | |
| 23 31 13 16-0108 | EA | 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow | 472.80 | 95.20 |
| | | *For Seal Class B, Add* | *56.87* | |
| | | *For Seal Class A, Add* | *151.65* | |
| | | *For 24 Gauge, Add* | *18.74* | |
| | | *For 22 Gauge, Add* | *43.09* | |
| | | *For 20 Gauge, Add* | *70.26* | |
| | | *For 18 Gauge, Add* | *107.73* | |
| | | *For 16 Gauge, Add* | *131.15* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *69.32* | |
| | | *For Work In Restricted Working Space, Add* | *113.74* | |
| 23 31 13 16-0109 | EA | 22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow | 527.36 | 110.48 |
| | | *For Seal Class B, Add* | *66.53* | |
| | | *For Seal Class A, Add* | *177.40* | |
| | | *For 24 Gauge, Add* | *16.77* | |
| | | *For 22 Gauge, Add* | *38.58* | |
| | | *For 20 Gauge, Add* | *62.90* | |
| | | *For 18 Gauge, Add* | *96.44* | |
| | | *For 16 Gauge, Add* | *117.40* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *62.06* | |
| | | *For Work In Restricted Working Space, Add* | *133.05* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0110 | EA | 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow | 625.53 | 125.75 |
| | | *For Seal Class B, Add* | *75.02* | |
| | | *For Seal Class A, Add* | *200.05* | |
| | | *For 24 Gauge, Add* | *25.08* | |
| | | *For 22 Gauge, Add* | *57.69* | |
| | | *For 20 Gauge, Add* | *94.06* | |
| | | *For 18 Gauge, Add* | *144.22* | |
| | | *For 16 Gauge, Add* | *175.57* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *92.80* | |
| | | *For Work In Restricted Working Space, Add* | *150.04* | |
| **23 31 13 16-0111** | | **Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals** *(23 31 13 16-0074)* | | |
| 23 31 13 16-0112 | EA | 6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 156.30 | 30.56 |
| | | *For Seal Class B, Add* | *18.56* | |
| | | *For Seal Class A, Add* | *49.49* | |
| | | *For 24 Gauge, Add* | *6.52* | |
| | | *For 22 Gauge, Add* | *14.99* | |
| | | *For 20 Gauge, Add* | *24.44* | |
| | | *For 18 Gauge, Add* | *37.47* | |
| | | *For 16 Gauge, Add* | *45.61* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *24.11* | |
| | | *For Work In Restricted Working Space, Add* | *37.12* | |
| 23 31 13 16-0113 | EA | 8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 230.03 | 49.36 |
| | | *For Seal Class B, Add* | *29.38* | |
| | | *For Seal Class A, Add* | *78.35* | |
| | | *For 24 Gauge, Add* | *6.83* | |
| | | *For 22 Gauge, Add* | *15.71* | |
| | | *For 20 Gauge, Add* | *25.61* | |
| | | *For 18 Gauge, Add* | *39.27* | |
| | | *For 16 Gauge, Add* | *47.81* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *25.27* | |
| | | *For Work In Restricted Working Space, Add* | *58.76* | |
| 23 31 13 16-0114 | EA | 10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 290.25 | 63.46 |
| | | *For Seal Class B, Add* | *37.91* | |
| | | *For Seal Class A, Add* | *101.10* | |
| | | *For 24 Gauge, Add* | *7.50* | |
| | | *For 22 Gauge, Add* | *17.25* | |
| | | *For 20 Gauge, Add* | *28.13* | |
| | | *For 18 Gauge, Add* | *43.13* | |
| | | *For 16 Gauge, Add* | *52.50* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *27.75* | |
| | | *For Work In Restricted Working Space, Add* | *75.83* | |
| 23 31 13 16-0115 | EA | 12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 352.57 | 78.74 |
| | | *For Seal Class B, Add* | *47.01* | |
| | | *For Seal Class A, Add* | *125.36* | |
| | | *For 24 Gauge, Add* | *7.83* | |
| | | *For 22 Gauge, Add* | *18.02* | |
| | | *For 20 Gauge, Add* | *29.38* | |
| | | *For 18 Gauge, Add* | *45.05* | |
| | | *For 16 Gauge, Add* | *54.84* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *28.99* | |
| | | *For Work In Restricted Working Space, Add* | *94.02* | |
| 23 31 13 16-0116 | EA | 14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 419.57 | 95.20 |
| | | *For Seal Class B, Add* | *56.87* | |
| | | *For Seal Class A, Add* | *151.65* | |
| | | *For 24 Gauge, Add* | *8.09* | |
| | | *For 22 Gauge, Add* | *18.61* | |
| | | *For 20 Gauge, Add* | *30.34* | |
| | | *For 18 Gauge, Add* | *46.52* | |
| | | *For 16 Gauge, Add* | *56.63* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *29.93* | |
| | | *For Work In Restricted Working Space, Add* | *113.74* | |
| 23 31 13 16-0117 | EA | 16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 487.49 | 110.48 |
| | | *For Seal Class B, Add* | *66.53* | |
| | | *For Seal Class A, Add* | *177.40* | |
| | | *For 24 Gauge, Add* | *8.80* | |
| | | *For 22 Gauge, Add* | *20.24* | |
| | | *For 20 Gauge, Add* | *32.99* | |
| | | *For 18 Gauge, Add* | *50.59* | |
| | | *For 16 Gauge, Add* | *61.59* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *32.55* | |
| | | *For Work In Restricted Working Space, Add* | *133.05* | |
| 23 31 13 16-0118 | EA | 18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 545.88 | 125.75 |
| | | *For Seal Class B, Add* | *75.02* | |
| | | *For Seal Class A, Add* | *200.05* | |
| | | *For 24 Gauge, Add* | *9.15* | |
| | | *For 22 Gauge, Add* | *21.05* | |
| | | *For 20 Gauge, Add* | *34.32* | |
| | | *For 18 Gauge, Add* | *52.62* | |
| | | *For 16 Gauge, Add* | *64.06* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *33.86* | |
| | | *For Work In Restricted Working Space, Add* | *150.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0119 | EA | 20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 620.74 | 143.38 |
| | | *For Seal Class B, Add* | *86.00* | |
| | | *For Seal Class A, Add* | *229.32* | |
| | | *For 24 Gauge, Add* | *9.49* | |
| | | *For 22 Gauge, Add* | *21.82* | |
| | | *For 20 Gauge, Add* | *35.58* | |
| | | *For 18 Gauge, Add* | *54.56* | |
| | | *For 16 Gauge, Add* | *66.42* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *35.11* | |
| | | *For Work In Restricted Working Space, Add* | *171.99* | |
| 23 31 13 16-0120 | EA | 22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 692.36 | 158.67 |
| | | *For Seal Class B, Add* | *95.29* | |
| | | *For Seal Class A, Add* | *254.11* | |
| | | *For 24 Gauge, Add* | *11.42* | |
| | | *For 22 Gauge, Add* | *26.26* | |
| | | *For 20 Gauge, Add* | *42.81* | |
| | | *For 18 Gauge, Add* | *65.64* | |
| | | *For 16 Gauge, Add* | *79.91* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *42.24* | |
| | | *For Work In Restricted Working Space, Add* | *190.58* | |
| 23 31 13 16-0121 | EA | 24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 750.29 | 172.76 |
| | | *For Seal Class B, Add* | *103.70* | |
| | | *For Seal Class A, Add* | *276.54* | |
| | | *For 24 Gauge, Add* | *11.79* | |
| | | *For 22 Gauge, Add* | *27.12* | |
| | | *For 20 Gauge, Add* | *44.21* | |
| | | *For 18 Gauge, Add* | *67.79* | |
| | | *For 16 Gauge, Add* | *82.53* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *43.62* | |
| | | *For Work In Restricted Working Space, Add* | *207.40* | |
| 23 31 13 16-0122 | EA | 8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 241.76 | 53.24 |
| | | *For Seal Class B, Add* | *31.96* | |
| | | *For Seal Class A, Add* | *85.23* | |
| | | *For 24 Gauge, Add* | *5.74* | |
| | | *For 22 Gauge, Add* | *13.20* | |
| | | *For 20 Gauge, Add* | *21.52* | |
| | | *For 18 Gauge, Add* | *32.99* | |
| | | *For 16 Gauge, Add* | *40.17* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *21.23* | |
| | | *For Work In Restricted Working Space, Add* | *63.92* | |
| 23 31 13 16-0123 | EA | 10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 292.39 | 64.05 |
| | | *For Seal Class B, Add* | *38.42* | |
| | | *For Seal Class A, Add* | *102.46* | |
| | | *For 24 Gauge, Add* | *7.25* | |
| | | *For 22 Gauge, Add* | *16.67* | |
| | | *For 20 Gauge, Add* | *27.17* | |
| | | *For 18 Gauge, Add* | *41.66* | |
| | | *For 16 Gauge, Add* | *50.72* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *26.81* | |
| | | *For Work In Restricted Working Space, Add* | *76.85* | |
| 23 31 13 16-0124 | EA | 12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 355.22 | 77.80 |
| | | *For Seal Class B, Add* | *46.69* | |
| | | *For Seal Class A, Add* | *124.50* | |
| | | *For 24 Gauge, Add* | *8.79* | |
| | | *For 22 Gauge, Add* | *20.23* | |
| | | *For 20 Gauge, Add* | *32.98* | |
| | | *For 18 Gauge, Add* | *50.57* | |
| | | *For 16 Gauge, Add* | *61.56* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *32.54* | |
| | | *For Work In Restricted Working Space, Add* | *93.38* | |
| 23 31 13 16-0125 | EA | 14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 422.87 | 92.49 |
| | | *For Seal Class B, Add* | *55.58* | |
| | | *For Seal Class A, Add* | *148.20* | |
| | | *For 24 Gauge, Add* | *10.47* | |
| | | *For 22 Gauge, Add* | *24.09* | |
| | | *For 20 Gauge, Add* | *39.27* | |
| | | *For 18 Gauge, Add* | *60.21* | |
| | | *For 16 Gauge, Add* | *73.30* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *38.75* | |
| | | *For Work In Restricted Working Space, Add* | *111.15* | |
| 23 31 13 16-0126 | EA | 16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 536.13 | 118.93 |
| | | *For Seal Class B, Add* | *71.31* | |
| | | *For Seal Class A, Add* | *190.17* | |
| | | *For 24 Gauge, Add* | *12.14* | |
| | | *For 22 Gauge, Add* | *27.92* | |
| | | *For 20 Gauge, Add* | *45.53* | |
| | | *For 18 Gauge, Add* | *69.81* | |
| | | *For 16 Gauge, Add* | *84.98* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *44.92* | |
| | | *For Work In Restricted Working Space, Add* | *142.63* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0127 | EA | 18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 595.52 | 131.98 |
| | | *For Seal Class B, Add* | *79.13* | |
| | | *For Seal Class A, Add* | *211.00* | |
| | | *For 24 Gauge, Add* | *13.60* | |
| | | *For 22 Gauge, Add* | *31.29* | |
| | | *For 20 Gauge, Add* | *51.02* | |
| | | *For 18 Gauge, Add* | *78.22* | |
| | | *For 16 Gauge, Add* | *95.23* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *50.33* | |
| | | *For Work In Restricted Working Space, Add* | *158.25* | |
| 23 31 13 16-0128 | EA | 20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 677.05 | 150.20 |
| | | *For Seal Class B, Add* | *89.94* | |
| | | *For Seal Class A, Add* | *239.85* | |
| | | *For 24 Gauge, Add* | *15.48* | |
| | | *For 22 Gauge, Add* | *35.61* | |
| | | *For 20 Gauge, Add* | *58.07* | |
| | | *For 18 Gauge, Add* | *89.03* | |
| | | *For 16 Gauge, Add* | *108.39* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *57.29* | |
| | | *For Work In Restricted Working Space, Add* | *179.89* | |
| 23 31 13 16-0129 | EA | 22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 726.42 | 160.19 |
| | | *For Seal Class B, Add* | *96.02* | |
| | | *For Seal Class A, Add* | *256.05* | |
| | | *For 24 Gauge, Add* | *17.26* | |
| | | *For 22 Gauge, Add* | *39.69* | |
| | | *For 20 Gauge, Add* | *64.72* | |
| | | *For 18 Gauge, Add* | *99.23* | |
| | | *For 16 Gauge, Add* | *120.81* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *63.85* | |
| | | *For Work In Restricted Working Space, Add* | *192.04* | |
| 23 31 13 16-0130 | EA | 24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 788.11 | 173.71 |
| | | *For Seal Class B, Add* | *104.19* | |
| | | *For Seal Class A, Add* | *277.84* | |
| | | *For 24 Gauge, Add* | *18.70* | |
| | | *For 22 Gauge, Add* | *43.01* | |
| | | *For 20 Gauge, Add* | *70.13* | |
| | | *For 18 Gauge, Add* | *107.54* | |
| | | *For 16 Gauge, Add* | *130.91* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *69.20* | |
| | | *For Work In Restricted Working Space, Add* | *208.38* | |
| 23 31 13 16-0131 | EA | 10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 319.86 | 70.51 |
| | | *For Seal Class B, Add* | *42.26* | |
| | | *For Seal Class A, Add* | *112.68* | |
| | | *For 24 Gauge, Add* | *7.63* | |
| | | *For 22 Gauge, Add* | *17.55* | |
| | | *For 20 Gauge, Add* | *28.61* | |
| | | *For 18 Gauge, Add* | *43.87* | |
| | | *For 16 Gauge, Add* | *53.41* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *28.23* | |
| | | *For Work In Restricted Working Space, Add* | *84.51* | |
| 23 31 13 16-0132 | EA | 12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 388.71 | 85.80 |
| | | *For Seal Class B, Add* | *51.37* | |
| | | *For Seal Class A, Add* | *136.98* | |
| | | *For 24 Gauge, Add* | *9.25* | |
| | | *For 22 Gauge, Add* | *21.28* | |
| | | *For 20 Gauge, Add* | *34.70* | |
| | | *For 18 Gauge, Add* | *53.21* | |
| | | *For 16 Gauge, Add* | *64.78* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *34.24* | |
| | | *For Work In Restricted Working Space, Add* | *102.73* | |
| 23 31 13 16-0133 | EA | 14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 462.66 | 101.67 |
| | | *For Seal Class B, Add* | *61.13* | |
| | | *For Seal Class A, Add* | *163.01* | |
| | | *For 24 Gauge, Add* | *11.03* | |
| | | *For 22 Gauge, Add* | *25.36* | |
| | | *For 20 Gauge, Add* | *41.36* | |
| | | *For 18 Gauge, Add* | *63.41* | |
| | | *For 16 Gauge, Add* | *77.20* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *40.80* | |
| | | *For Work In Restricted Working Space, Add* | *122.26* | |
| 23 31 13 16-0134 | EA | 16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 537.04 | 118.47 |
| | | *For Seal Class B, Add* | *70.97* | |
| | | *For Seal Class A, Add* | *189.26* | |
| | | *For 24 Gauge, Add* | *12.78* | |
| | | *For 22 Gauge, Add* | *29.39* | |
| | | *For 20 Gauge, Add* | *47.93* | |
| | | *For 18 Gauge, Add* | *73.49* | |
| | | *For 16 Gauge, Add* | *89.46* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *47.29* | |
| | | *For Work In Restricted Working Space, Add* | *141.94* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0135 | EA | 18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 601.00 | 132.46 |
| | | *For Seal Class B, Add* | *79.41* | |
| | | *For Seal Class A, Add* | *211.76* | |
| | | *For 24 Gauge, Add* | *14.32* | |
| | | *For 22 Gauge, Add* | *32.94* | |
| | | *For 20 Gauge, Add* | *53.70* | |
| | | *For 18 Gauge, Add* | *82.34* | |
| | | *For 16 Gauge, Add* | *100.24* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *52.98* | |
| | | *For Work In Restricted Working Space, Add* | *158.82* | |
| 23 31 13 16-0136 | EA | 20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 683.57 | 150.67 |
| | | *For Seal Class B, Add* | *90.31* | |
| | | *For Seal Class A, Add* | *240.84* | |
| | | *For 24 Gauge, Add* | *16.30* | |
| | | *For 22 Gauge, Add* | *37.48* | |
| | | *For 20 Gauge, Add* | *61.11* | |
| | | *For 18 Gauge, Add* | *93.70* | |
| | | *For 16 Gauge, Add* | *114.07* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *60.30* | |
| | | *For Work In Restricted Working Space, Add* | *180.63* | |
| 23 31 13 16-0137 | EA | 22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 763.18 | 168.06 |
| | | *For Seal Class B, Add* | *100.85* | |
| | | *For Seal Class A, Add* | *268.94* | |
| | | *For 24 Gauge, Add* | *18.17* | |
| | | *For 22 Gauge, Add* | *41.78* | |
| | | *For 20 Gauge, Add* | *68.12* | |
| | | *For 18 Gauge, Add* | *104.45* | |
| | | *For 16 Gauge, Add* | *127.16* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *67.21* | |
| | | *For Work In Restricted Working Space, Add* | *201.71* | |
| 23 31 13 16-0138 | EA | 24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral | 827.50 | 182.40 |
| | | *For Seal Class B, Add* | *109.36* | |
| | | *For Seal Class A, Add* | *291.63* | |
| | | *For 24 Gauge, Add* | *19.68* | |
| | | *For 22 Gauge, Add* | *45.27* | |
| | | *For 20 Gauge, Add* | *73.82* | |
| | | *For 18 Gauge, Add* | *113.18* | |
| | | *For 16 Gauge, Add* | *137.79* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *72.83* | |
| | | *For Work In Restricted Working Space, Add* | *218.72* | |

## 23 31 13 16-0139 Slip Joint, Galvanized, Spiral Duct Reducers *(23 31 13 16-0074)*

| | | | | |
|---|---|---|---|---|
| 23 31 13 16-0140 | EA | 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer | 105.73 | 23.50 |
| | | *For Seal Class B, Add* | *14.10* | |
| | | *For Seal Class A, Add* | *37.61* | |
| | | *For 24 Gauge, Add* | *2.34* | |
| | | *For 22 Gauge, Add* | *5.39* | |
| | | *For 20 Gauge, Add* | *8.78* | |
| | | *For 18 Gauge, Add* | *13.47* | |
| | | *For 16 Gauge, Add* | *16.39* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *8.67* | |
| | | *For Work In Restricted Working Space, Add* | *28.21* | |
| 23 31 13 16-0141 | EA | 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer | 136.61 | 30.56 |
| | | *For Seal Class B, Add* | *18.56* | |
| | | *For Seal Class A, Add* | *49.49* | |
| | | *For 24 Gauge, Add* | *2.58* | |
| | | *For 22 Gauge, Add* | *5.93* | |
| | | *For 20 Gauge, Add* | *9.67* | |
| | | *For 18 Gauge, Add* | *14.82* | |
| | | *For 16 Gauge, Add* | *18.05* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *9.54* | |
| | | *For Work In Restricted Working Space, Add* | *37.12* | |
| 23 31 13 16-0142 | EA | 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer | 170.97 | 38.79 |
| | | *For Seal Class B, Add* | *23.51* | |
| | | *For Seal Class A, Add* | *62.68* | |
| | | *For 24 Gauge, Add* | *2.85* | |
| | | *For 22 Gauge, Add* | *6.56* | |
| | | *For 20 Gauge, Add* | *10.70* | |
| | | *For 18 Gauge, Add* | *16.41* | |
| | | *For 16 Gauge, Add* | *19.98* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *10.56* | |
| | | *For Work In Restricted Working Space, Add* | *47.01* | |
| 23 31 13 16-0143 | EA | 12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer | 211.53 | 49.36 |
| | | *For Seal Class B, Add* | *29.38* | |
| | | *For Seal Class A, Add* | *78.35* | |
| | | *For 24 Gauge, Add* | *3.13* | |
| | | *For 22 Gauge, Add* | *7.20* | |
| | | *For 20 Gauge, Add* | *11.74* | |
| | | *For 18 Gauge, Add* | *18.00* | |
| | | *For 16 Gauge, Add* | *21.91* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *11.58* | |
| | | *For Work In Restricted Working Space, Add* | *58.76* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0144 | EA | 14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer | 231.10 | 54.06 |
| | | *For Seal Class B, Add* | *32.05* | |
| | | *For Seal Class A, Add* | *85.47* | |
| | | *For 24 Gauge, Add* | *3.48* | |
| | | *For 22 Gauge, Add* | *8.01* | |
| | | *For 20 Gauge, Add* | *13.07* | |
| | | *For 18 Gauge, Add* | *20.03* | |
| | | *For 16 Gauge, Add* | *24.39* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *12.89* | |
| | | *For Work In Restricted Working Space, Add* | *64.10* | |
| 23 31 13 16-0145 | EA | 16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer | 282.86 | 63.46 |
| | | *For Seal Class B, Add* | *37.91* | |
| | | *For Seal Class A, Add* | *101.10* | |
| | | *For 24 Gauge, Add* | *6.02* | |
| | | *For 22 Gauge, Add* | *13.85* | |
| | | *For 20 Gauge, Add* | *22.58* | |
| | | *For 18 Gauge, Add* | *34.63* | |
| | | *For 16 Gauge, Add* | *42.15* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *22.28* | |
| | | *For Work In Restricted Working Space, Add* | *75.83* | |
| 23 31 13 16-0146 | EA | 18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer | 345.58 | 78.74 |
| | | *For Seal Class B, Add* | *47.01* | |
| | | *For Seal Class A, Add* | *125.36* | |
| | | *For 24 Gauge, Add* | *6.44* | |
| | | *For 22 Gauge, Add* | *14.80* | |
| | | *For 20 Gauge, Add* | *24.14* | |
| | | *For 18 Gauge, Add* | *37.01* | |
| | | *For 16 Gauge, Add* | *45.05* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *23.81* | |
| | | *For Work In Restricted Working Space, Add* | *94.02* | |
| 23 31 13 16-0147 | EA | 20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer | 413.47 | 95.20 |
| | | *For Seal Class B, Add* | *56.87* | |
| | | *For Seal Class A, Add* | *151.65* | |
| | | *For 24 Gauge, Add* | *6.87* | |
| | | *For 22 Gauge, Add* | *15.80* | |
| | | *For 20 Gauge, Add* | *25.76* | |
| | | *For 18 Gauge, Add* | *39.50* | |
| | | *For 16 Gauge, Add* | *48.09* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *25.42* | |
| | | *For Work In Restricted Working Space, Add* | *113.74* | |
| 23 31 13 16-0148 | EA | 22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer | 480.01 | 110.48 |
| | | *For Seal Class B, Add* | *66.53* | |
| | | *For Seal Class A, Add* | *177.40* | |
| | | *For 24 Gauge, Add* | *7.30* | |
| | | *For 22 Gauge, Add* | *16.79* | |
| | | *For 20 Gauge, Add* | *27.38* | |
| | | *For 18 Gauge, Add* | *41.99* | |
| | | *For 16 Gauge, Add* | *51.11* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *27.02* | |
| | | *For Work In Restricted Working Space, Add* | *133.05* | |
| 23 31 13 16-0149 | EA | 24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer | 538.60 | 125.75 |
| | | *For Seal Class B, Add* | *75.02* | |
| | | *For Seal Class A, Add* | *200.05* | |
| | | *For 24 Gauge, Add* | *7.70* | |
| | | *For 22 Gauge, Add* | *17.70* | |
| | | *For 20 Gauge, Add* | *28.86* | |
| | | *For 18 Gauge, Add* | *44.25* | |
| | | *For 16 Gauge, Add* | *53.87* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *28.48* | |
| | | *For Work In Restricted Working Space, Add* | *150.04* | |

## 23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings *(23 31 13 16-0074)*

| | | | | |
|---|---|---|---|---|
| 23 31 13 16-0151 | EA | 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling | 69.06 | 16.45 |
| | | *For Seal Class B, Add* | *9.53* | |
| | | *For Seal Class A, Add* | *25.41* | |
| | | *For 24 Gauge, Add* | *1.11* | |
| | | *For 22 Gauge, Add* | *2.55* | |
| | | *For 20 Gauge, Add* | *4.16* | |
| | | *For 18 Gauge, Add* | *6.37* | |
| | | *For 16 Gauge, Add* | *7.76* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *4.10* | |
| | | *For Work In Restricted Working Space, Add* | *19.06* | |
| 23 31 13 16-0152 | EA | 6 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling | 100.32 | 23.50 |
| | | *For Seal Class B, Add* | *14.10* | |
| | | *For Seal Class A, Add* | *37.61* | |
| | | *For 24 Gauge, Add* | *1.26* | |
| | | *For 22 Gauge, Add* | *2.90* | |
| | | *For 20 Gauge, Add* | *4.73* | |
| | | *For 18 Gauge, Add* | *7.25* | |
| | | *For 16 Gauge, Add* | *8.82* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *4.66* | |
| | | *For Work In Restricted Working Space, Add* | *28.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0153 | EA | 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling | 130.51 | 30.56 |
| | | *For Seal Class B, Add* | *18.56* | |
| | | *For Seal Class A, Add* | *49.49* | |
| | | *For 24 Gauge, Add* | *1.36* | |
| | | *For 22 Gauge, Add* | *3.12* | |
| | | *For 20 Gauge, Add* | *5.09* | |
| | | *For 18 Gauge, Add* | *7.81* | |
| | | *For 16 Gauge, Add* | *9.51* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.02* | |
| | | *For Work In Restricted Working Space, Add* | *37.12* | |
| 23 31 13 16-0154 | EA | 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling | 163.98 | 38.79 |
| | | *For Seal Class B, Add* | *23.51* | |
| | | *For Seal Class A, Add* | *62.68* | |
| | | *For 24 Gauge, Add* | *1.46* | |
| | | *For 22 Gauge, Add* | *3.35* | |
| | | *For 20 Gauge, Add* | *5.46* | |
| | | *For 18 Gauge, Add* | *8.37* | |
| | | *For 16 Gauge, Add* | *10.19* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.39* | |
| | | *For Work In Restricted Working Space, Add* | *47.01* | |
| 23 31 13 16-0155 | EA | 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling | 203.65 | 49.36 |
| | | *For Seal Class B, Add* | *29.38* | |
| | | *For Seal Class A, Add* | *78.35* | |
| | | *For 24 Gauge, Add* | *1.55* | |
| | | *For 22 Gauge, Add* | *3.57* | |
| | | *For 20 Gauge, Add* | *5.83* | |
| | | *For 18 Gauge, Add* | *8.94* | |
| | | *For 16 Gauge, Add* | *10.88* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.75* | |
| | | *For Work In Restricted Working Space, Add* | *58.76* | |
| 23 31 13 16-0156 | EA | 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling | 221.95 | 54.06 |
| | | *For Seal Class B, Add* | *32.05* | |
| | | *For Seal Class A, Add* | *85.47* | |
| | | *For 24 Gauge, Add* | *1.65* | |
| | | *For 22 Gauge, Add* | *3.80* | |
| | | *For 20 Gauge, Add* | *6.20* | |
| | | *For 18 Gauge, Add* | *9.51* | |
| | | *For 16 Gauge, Add* | *11.58* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *6.12* | |
| | | *For Work In Restricted Working Space, Add* | *64.10* | |
| 23 31 13 16-0157 | EA | 16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling | 261.90 | 63.46 |
| | | *For Seal Class B, Add* | *37.91* | |
| | | *For Seal Class A, Add* | *101.10* | |
| | | *For 24 Gauge, Add* | *1.83* | |
| | | *For 22 Gauge, Add* | *4.21* | |
| | | *For 20 Gauge, Add* | *6.86* | |
| | | *For 18 Gauge, Add* | *10.52* | |
| | | *For 16 Gauge, Add* | *12.81* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *6.77* | |
| | | *For Work In Restricted Working Space, Add* | *75.83* | |
| 23 31 13 16-0158 | EA | 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling | 323.04 | 78.74 |
| | | *For Seal Class B, Add* | *47.01* | |
| | | *For Seal Class A, Add* | *125.36* | |
| | | *For 24 Gauge, Add* | *1.93* | |
| | | *For 22 Gauge, Add* | *4.43* | |
| | | *For 20 Gauge, Add* | *7.23* | |
| | | *For 18 Gauge, Add* | *11.09* | |
| | | *For 16 Gauge, Add* | *13.50* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *7.13* | |
| | | *For Work In Restricted Working Space, Add* | *94.02* | |
| 23 31 13 16-0159 | EA | 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling | 389.36 | 95.20 |
| | | *For Seal Class B, Add* | *56.87* | |
| | | *For Seal Class A, Add* | *151.65* | |
| | | *For 24 Gauge, Add* | *2.05* | |
| | | *For 22 Gauge, Add* | *4.71* | |
| | | *For 20 Gauge, Add* | *7.68* | |
| | | *For 18 Gauge, Add* | *11.78* | |
| | | *For 16 Gauge, Add* | *14.34* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *7.58* | |
| | | *For Work In Restricted Working Space, Add* | *113.74* | |
| 23 31 13 16-0160 | EA | 22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling | 454.13 | 222.13 |
| | | *For Seal Class B, Add* | *66.53* | |
| | | *For Seal Class A, Add* | *177.40* | |
| | | *For 24 Gauge, Add* | *2.13* | |
| | | *For 22 Gauge, Add* | *4.89* | |
| | | *For 20 Gauge, Add* | *7.97* | |
| | | *For 18 Gauge, Add* | *12.22* | |
| | | *For 16 Gauge, Add* | *14.88* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *7.87* | |
| | | *For Work In Restricted Working Space, Add* | *133.05* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0161 | EA | 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling | 511.34 | 250.33 |
| | | *For Seal Class B, Add* | *75.02* | |
| | | *For Seal Class A, Add* | *200.05* | |
| | | *For 24 Gauge, Add* | *2.24* | |
| | | *For 22 Gauge, Add* | *5.16* | |
| | | *For 20 Gauge, Add* | *8.42* | |
| | | *For 18 Gauge, Add* | *12.90* | |
| | | *For 16 Gauge, Add* | *15.71* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *8.30* | |
| | | *For Work In Restricted Working Space, Add* | *150.04* | |
| 23 31 13 16-0162 | | Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0074)* | | |
| 23 31 13 16-0163 | EA | 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap | 38.27 | 16.45 |
| | | *For Seal Class B, Add* | *4.77* | |
| | | *For Seal Class A, Add* | *12.71* | |
| | | *For 24 Gauge, Add* | *1.30* | |
| | | *For 22 Gauge, Add* | *2.99* | |
| | | *For 20 Gauge, Add* | *4.88* | |
| | | *For 18 Gauge, Add* | *7.48* | |
| | | *For 16 Gauge, Add* | *9.10* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *4.81* | |
| | | *For Work In Restricted Working Space, Add* | *9.53* | |
| 23 31 13 16-0164 | EA | 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap | 54.29 | 23.50 |
| | | *For Seal Class B, Add* | *7.05* | |
| | | *For Seal Class A, Add* | *18.80* | |
| | | *For 24 Gauge, Add* | *1.46* | |
| | | *For 22 Gauge, Add* | *3.35* | |
| | | *For 20 Gauge, Add* | *5.46* | |
| | | *For 18 Gauge, Add* | *8.37* | |
| | | *For 16 Gauge, Add* | *10.19* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.39* | |
| | | *For Work In Restricted Working Space, Add* | *14.10* | |
| 23 31 13 16-0165 | EA | 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap | 69.82 | 31.74 |
| | | *For Seal Class B, Add* | *9.28* | |
| | | *For Seal Class A, Add* | *24.74* | |
| | | *For 24 Gauge, Add* | *1.59* | |
| | | *For 22 Gauge, Add* | *3.67* | |
| | | *For 20 Gauge, Add* | *5.98* | |
| | | *For 18 Gauge, Add* | *9.17* | |
| | | *For 16 Gauge, Add* | *11.16* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *5.90* | |
| | | *For Work In Restricted Working Space, Add* | *18.56* | |
| 23 31 13 16-0166 | EA | 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap | 87.22 | 39.96 |
| | | *For Seal Class B, Add* | *11.75* | |
| | | *For Seal Class A, Add* | *31.34* | |
| | | *For 24 Gauge, Add* | *1.77* | |
| | | *For 22 Gauge, Add* | *4.08* | |
| | | *For 20 Gauge, Add* | *6.65* | |
| | | *For 18 Gauge, Add* | *10.19* | |
| | | *For 16 Gauge, Add* | *12.40* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *6.56* | |
| | | *For Work In Restricted Working Space, Add* | *23.51* | |
| 23 31 13 16-0167 | EA | 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap | 107.78 | 49.36 |
| | | *For Seal Class B, Add* | *14.69* | |
| | | *For Seal Class A, Add* | *39.18* | |
| | | *For 24 Gauge, Add* | *1.97* | |
| | | *For 22 Gauge, Add* | *4.53* | |
| | | *For 20 Gauge, Add* | *7.38* | |
| | | *For 18 Gauge, Add* | *11.32* | |
| | | *For 16 Gauge, Add* | *13.78* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *7.28* | |
| | | *For Work In Restricted Working Space, Add* | *29.38* | |
| 23 31 13 16-0168 | EA | 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap | 117.67 | 54.06 |
| | | *For Seal Class B, Add* | *16.03* | |
| | | *For Seal Class A, Add* | *42.74* | |
| | | *For 24 Gauge, Add* | *2.17* | |
| | | *For 22 Gauge, Add* | *4.98* | |
| | | *For 20 Gauge, Add* | *8.12* | |
| | | *For 18 Gauge, Add* | *12.45* | |
| | | *For 16 Gauge, Add* | *15.16* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *8.01* | |
| | | *For Work In Restricted Working Space, Add* | *32.05* | |
| 23 31 13 16-0169 | EA | 16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap | 136.22 | 62.29 |
| | | *For Seal Class B, Add* | *18.56* | |
| | | *For Seal Class A, Add* | *49.49* | |
| | | *For 24 Gauge, Add* | *2.50* | |
| | | *For 22 Gauge, Add* | *5.75* | |
| | | *For 20 Gauge, Add* | *9.38* | |
| | | *For 18 Gauge, Add* | *14.38* | |
| | | *For 16 Gauge, Add* | *17.50* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *9.25* | |
| | | *For Work In Restricted Working Space, Add* | *37.12* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 16-0170 | EA | 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap | 198.82 | 78.74 |
| | | *For Seal Class B, Add* | *23.51* | |
| | | *For Seal Class A, Add* | *62.68* | |
| | | *For 24 Gauge, Add* | *8.42* | |
| | | *For 22 Gauge, Add* | *19.38* | |
| | | *For 20 Gauge, Add* | *31.59* | |
| | | *For 18 Gauge, Add* | *48.44* | |
| | | *For 16 Gauge, Add* | *58.97* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *31.17* | |
| | | *For Work In Restricted Working Space, Add* | *47.01* | |
| 23 31 13 16-0171 | EA | 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap | 241.55 | 97.55 |
| | | *For Seal Class B, Add* | *29.38* | |
| | | *For Seal Class A, Add* | *78.35* | |
| | | *For 24 Gauge, Add* | *9.13* | |
| | | *For 22 Gauge, Add* | *21.01* | |
| | | *For 20 Gauge, Add* | *34.25* | |
| | | *For 18 Gauge, Add* | *52.52* | |
| | | *For 16 Gauge, Add* | *63.94* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *33.80* | |
| | | *For Work In Restricted Working Space, Add* | *58.76* | |
| 23 31 13 16-0172 | EA | 22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap | 262.89 | 106.95 |
| | | *For Seal Class B, Add* | *32.05* | |
| | | *For Seal Class A, Add* | *85.47* | |
| | | *For 24 Gauge, Add* | *9.84* | |
| | | *For 22 Gauge, Add* | *22.64* | |
| | | *For 20 Gauge, Add* | *36.91* | |
| | | *For 18 Gauge, Add* | *56.59* | |
| | | *For 16 Gauge, Add* | *68.89* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *36.42* | |
| | | *For Work In Restricted Working Space, Add* | *64.10* | |
| 23 31 13 16-0173 | EA | 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap | 302.91 | 124.58 |
| | | *For Seal Class B, Add* | *37.51* | |
| | | *For Seal Class A, Add* | *100.02* | |
| | | *For 24 Gauge, Add* | *10.57* | |
| | | *For 22 Gauge, Add* | *24.31* | |
| | | *For 20 Gauge, Add* | *39.64* | |
| | | *For 18 Gauge, Add* | *60.78* | |
| | | *For 16 Gauge, Add* | *73.99* | |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *39.11* | |
| | | *For Work In Restricted Working Space, Add* | *75.02* | |

## 23 31 13 19 Metal Duct Fittings *(23 31 13)*

### 23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

| | | | | |
|---|---|---|---|---|
| 23 31 13 19-0002 | LF | Sheet Metal Baffles Under Raised Floor | 44.86 | 36.00 |
| | | *For Work In Restricted Working Space, Add* | *13.16* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.39* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.78* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.55* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.94* | |
| | | *For Elevated Installation >40', Add* | *24.13* | |

### 23 31 13 19-0003 Duct Register Boots *(23 31 13 19)*

| | | | | |
|---|---|---|---|---|
| 23 31 13 19-0004 | EA | 10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel | 41.26 | 15.92 |
| | | *For Stainless Steel, Add* | *12.23* | |
| 23 31 13 19-0005 | EA | 10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel | 41.26 | 15.92 |
| | | *For Stainless Steel, Add* | *12.23* | |
| 23 31 13 19-0006 | EA | 12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel | 44.01 | 17.19 |
| | | *For Stainless Steel, Add* | *12.51* | |
| 23 31 13 19-0007 | EA | 12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel | 44.01 | 17.19 |
| | | *For Stainless Steel, Add* | *12.51* | |
| 23 31 13 19-0008 | EA | 12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel | 46.33 | 17.19 |
| | | *For Stainless Steel, Add* | *15.52* | |
| 23 31 13 19-0009 | EA | 14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel | 47.71 | 18.47 |
| | | *For Stainless Steel, Add* | *14.00* | |
| 23 31 13 19-0010 | EA | 14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel | 47.71 | 18.47 |
| | | *For Stainless Steel, Add* | *14.00* | |
| 23 31 13 19-0011 | EA | 14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel | 49.15 | 18.47 |
| | | *For Stainless Steel, Add* | *15.87* | |
| 23 31 13 19-0012 | EA | 10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel | 47.96 | 19.75 |
| | | *For Stainless Steel, Add* | *11.01* | |
| 23 31 13 19-0013 | EA | 12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel | 50.75 | 21.02 |
| | | *For Stainless Steel, Add* | *11.34* | |
| 23 31 13 19-0014 | EA | 12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel | 56.67 | 21.02 |
| | | *For Stainless Steel, Add* | *19.03* | |
| 23 31 13 19-0015 | EA | 14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel | 53.82 | 22.29 |
| | | *For Stainless Steel, Add* | *12.01* | |
| 23 31 13 19-0016 | EA | 14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel | 59.61 | 22.29 |
| | | *For Stainless Steel, Add* | *19.54* | |
| 23 31 13 19-0017 | EA | 12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel | 42.61 | 17.19 |
| | | *For Stainless Steel, Add* | *10.69* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 13 19-0018 | EA | 12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel | 42.61 | 17.19 |
| | | *For Stainless Steel, Add* | *10.69* | |
| 23 31 13 19-0019 | EA | 14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel | 46.10 | 18.47 |
| | | *For Stainless Steel, Add* | *11.91* | |
| 23 31 13 19-0020 | EA | 14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel | 47.48 | 18.47 |
| | | *For Stainless Steel, Add* | *13.70* | |
| 23 31 13 19-0021 | EA | 10" x 4" x 6" Register Boot, Center, Galvanized Steel | 48.15 | 19.75 |
| | | *For Stainless Steel, Add* | *11.26* | |
| 23 31 13 19-0022 | EA | 12" x 4" x 6" Register Boot, Center, Galvanized Steel | 50.92 | 21.02 |
| | | *For Stainless Steel, Add* | *11.56* | |
| 23 31 13 19-0023 | EA | 12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel | 43.55 | 17.19 |
| | | *For Stainless Steel, Add* | *11.91* | |
| 23 31 13 19-0024 | EA | 14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel | 46.66 | 18.47 |
| | | *For Stainless Steel, Add* | *12.64* | |
| 23 31 13 19-0025 | EA | 10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel | 41.26 | 15.92 |
| | | *For Stainless Steel, Add* | *12.23* | |
| 23 31 13 19-0026 | EA | 12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel | 44.01 | 17.19 |
| | | *For Stainless Steel, Add* | *12.51* | |
| 23 31 13 19-0027 | EA | 14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel | 47.71 | 18.47 |
| | | *For Stainless Steel, Add* | *14.00* | |
| 23 31 13 19-0028 | EA | 14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel | 47.71 | 18.47 |
| | | *For Stainless Steel, Add* | *14.00* | |
| 23 31 13 19-0029 | EA | 10" x 4" x 6" Register Boot, Universal, Galvanized Steel | 47.96 | 19.75 |
| | | *For Stainless Steel, Add* | *11.01* | |
| 23 31 13 19-0030 | EA | 12" x 4" x 6" Register Boot, Universal, Galvanized Steel | 50.75 | 21.02 |
| | | *For Stainless Steel, Add* | *11.34* | |
| 23 31 13 19-0031 | EA | 12" x 4" x 7" Register Boot, Universal, Galvanized Steel | 56.67 | 21.02 |
| | | *For Stainless Steel, Add* | *19.03* | |
| 23 31 13 19-0032 | EA | 14" x 4" x 7" Register Boot, Universal, Galvanized Steel | 59.22 | 22.29 |
| | | *For Stainless Steel, Add* | *19.03* | |

## 23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

### 23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

### 23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

| | | | | |
|---|---|---|---|---|
| 23 31 13 23-0003 | LB | Galvanized Steel Welded Duct | 25.87 | 10.91 |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *2.95* | |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |

### 23 31 13 23-0004 Black Steel Ductwork *(23 31 13 23-0001)*

| | | | | |
|---|---|---|---|---|
| 23 31 13 23-0005 | LB | Black Steel Ductwork | 23.40 | 11.26 |
| | | *For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add* | *0.67* | |
| | | *For Work In Restricted Working Space, Add* | *6.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.50* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.63* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.88* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.00* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.25* | |
| | | *For Elevated Installation >40', Add* | *12.38* | |

## 23 31 16 Non-metal Ducts *(23 31)*

### 23 31 16 13 Fibrous-Glass Ducts *(23 31 16)*

### 23 31 16 13-0001 Glass Fiber Duct Board *(23 31 16 13)*

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

| | | | | |
|---|---|---|---|---|
| 23 31 16 13-0002 | SF | 1" Glass Fiber Duct Board (EI-475) | 11.37 | 2.25 |
| 23 31 16 13-0003 | SF | 1-1/2" Glass Fiber Duct Board (EI-800) | 13.46 | 2.48 |
| 23 31 16 13-0004 | SF | 2" Glass Fiber Duct Board (EI-800) | 15.62 | 2.72 |

### 23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts *(23 31 16)*

### 23 31 16 16-0001 Fiber Reinforced Round Plastic Duct *(23 31 16 16)*

### 23 31 16 16-0002 Fiber Reinforced Round Plastic Duct *(23 31 16 16-0001)*

| | | | | |
|---|---|---|---|---|
| 23 31 16 16-0003 | LF | 2" Fiber Reinforced Plastic Duct | 19.23 | 5.71 |
| 23 31 16 16-0004 | LF | 3" Fiber Reinforced Plastic Duct | 24.19 | 6.68 |
| 23 31 16 16-0005 | LF | 4" Fiber Reinforced Plastic Duct | 32.62 | 9.81 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 16 16-0006 | LF | 6" Fiber Reinforced Plastic Duct | 43.42 | 12.40 |
| 23 31 16 16-0007 | LF | 8" Fiber Reinforced Plastic Duct | 55.08 | 15.52 |
| 23 31 16 16-0008 | LF | 10" Fiber Reinforced Plastic Duct | 66.45 | 18.65 |
| 23 31 16 16-0009 | LF | 12" Fiber Reinforced Plastic Duct | 74.58 | 21.78 |
| 23 31 16 16-0010 | LF | 14" Fiber Reinforced Plastic Duct | 85.40 | 23.82 |
| 23 31 16 16-0011 | LF | 16" Fiber Reinforced Plastic Duct | 92.42 | 25.33 |
| 23 31 16 16-0012 | LF | 18" Fiber Reinforced Plastic Duct | 115.87 | 28.46 |
| 23 31 16 16-0013 | LF | 20" Fiber Reinforced Plastic Duct | 121.69 | 30.50 |
| 23 31 16 16-0014 | LF | 24" Fiber Reinforced Plastic Duct | 151.68 | 32.56 |
| 23 31 16 16-0015 | LF | 30" Fiber Reinforced Plastic Duct | 173.60 | 37.72 |
| 23 31 16 16-0016 | LF | 36" Fiber Reinforced Plastic Duct | 199.81 | 45.49 |
| 23 31 16 16-0017 | LF | 42" Fiber Reinforced Plastic Duct | 270.39 | 50.66 |
| 23 31 16 16-0018 | LF | 48" Fiber Reinforced Plastic Duct | 302.86 | 56.91 |
| 23 31 16 16-0019 | LF | 54" Fiber Reinforced Plastic Duct | 335.84 | 65.21 |
| 23 31 16 16-0020 | LF | 60" Fiber Reinforced Plastic Duct | 380.50 | 76.10 |
| 23 31 16 16-0021 | LF | 66" Fiber Reinforced Plastic Duct | 404.53 | 93.13 |
| 23 31 16 16-0022 | LF | 72" Fiber Reinforced Plastic Duct | 493.59 | 113.82 |
| **23 31 16 16-0023** | | **Fiber Reinforced Plastic Bell** *(23 31 16 16-0001)* | | |
| 23 31 16 16-0024 | EA | 2" Fiber Reinforced Plastic Bell | 64.63 | 23.18 |
| 23 31 16 16-0025 | EA | 3" Fiber Reinforced Plastic Bell | 77.82 | 27.49 |
| 23 31 16 16-0026 | EA | 4" Fiber Reinforced Plastic Bell | 89.82 | 32.33 |
| 23 31 16 16-0027 | EA | 6" Fiber Reinforced Plastic Bell | 118.22 | 43.11 |
| 23 31 16 16-0028 | EA | 8" Fiber Reinforced Plastic Bell | 144.35 | 53.90 |
| 23 31 16 16-0029 | EA | 10" Fiber Reinforced Plastic Bell | 168.20 | 64.68 |
| 23 31 16 16-0030 | EA | 12" Fiber Reinforced Plastic Bell | 208.59 | 80.30 |
| 23 31 16 16-0031 | EA | 14" Fiber Reinforced Plastic Bell | 222.86 | 86.23 |
| 23 31 16 16-0032 | EA | 16" Fiber Reinforced Plastic Bell | 241.45 | 92.16 |
| 23 31 16 16-0033 | EA | 18" Fiber Reinforced Plastic Bell | 260.04 | 99.17 |
| 23 31 16 16-0034 | EA | 20" Fiber Reinforced Plastic Bell | 284.14 | 107.79 |
| 23 31 16 16-0035 | EA | 24" Fiber Reinforced Plastic Bell | 328.55 | 118.57 |
| 23 31 16 16-0036 | EA | 30" Fiber Reinforced Plastic Bell | 379.81 | 129.35 |
| 23 31 16 16-0037 | EA | 36" Fiber Reinforced Plastic Bell | 430.45 | 145.51 |
| 23 31 16 16-0038 | EA | 42" Fiber Reinforced Plastic Bell | 481.06 | 161.69 |
| 23 31 16 16-0039 | EA | 48" Fiber Reinforced Plastic Bell | 531.67 | 177.86 |
| 23 31 16 16-0040 | EA | 54" Fiber Reinforced Plastic Bell | 659.69 | 215.58 |
| 23 31 16 16-0041 | EA | 60" Fiber Reinforced Plastic Bell | 790.33 | 269.48 |
| 23 31 16 16-0042 | EA | 66" Fiber Reinforced Plastic Bell | 948.35 | 323.37 |
| 23 31 16 16-0043 | EA | 72" Fiber Reinforced Plastic Bell | 1,085.00 | 366.49 |
| **23 31 16 16-0044** | | **Fiber Reinforced Plastic Flange** *(23 31 16 16-0001)* | | |
| 23 31 16 16-0045 | EA | 2" Fiber Reinforced Plastic Flange | 101.20 | 23.18 |
| 23 31 16 16-0046 | EA | 3" Fiber Reinforced Plastic Flange | 116.67 | 27.49 |
| 23 31 16 16-0047 | EA | 4" Fiber Reinforced Plastic Flange | 133.24 | 32.33 |
| 23 31 16 16-0048 | EA | 6" Fiber Reinforced Plastic Flange | 173.07 | 43.11 |
| 23 31 16 16-0049 | EA | 8" Fiber Reinforced Plastic Flange | 210.63 | 53.90 |
| 23 31 16 16-0050 | EA | 10" Fiber Reinforced Plastic Flange | 248.18 | 64.68 |
| 23 31 16 16-0051 | EA | 12" Fiber Reinforced Plastic Flange | 293.15 | 80.30 |
| 23 31 16 16-0052 | EA | 14" Fiber Reinforced Plastic Flange | 325.70 | 86.23 |
| 23 31 16 16-0053 | EA | 16" Fiber Reinforced Plastic Flange | 355.72 | 92.16 |
| 23 31 16 16-0054 | EA | 18" Fiber Reinforced Plastic Flange | 378.88 | 99.17 |
| 23 31 16 16-0055 | EA | 20" Fiber Reinforced Plastic Flange | 398.40 | 107.79 |
| 23 31 16 16-0056 | EA | 24" Fiber Reinforced Plastic Flange | 465.67 | 118.57 |
| 23 31 16 16-0057 | EA | 30" Fiber Reinforced Plastic Flange | 512.36 | 129.35 |
| 23 31 16 16-0058 | EA | 36" Fiber Reinforced Plastic Flange | 629.27 | 145.51 |
| 23 31 16 16-0059 | EA | 42" Fiber Reinforced Plastic Flange | 700.45 | 161.69 |
| 23 31 16 16-0060 | EA | 48" Fiber Reinforced Plastic Flange | 794.47 | 177.86 |
| 23 31 16 16-0061 | EA | 54" Fiber Reinforced Plastic Flange | 933.92 | 215.58 |
| 23 31 16 16-0062 | EA | 60" Fiber Reinforced Plastic Flange | 1,117.13 | 269.48 |
| 23 31 16 16-0063 | EA | 66" Fiber Reinforced Plastic Flange | 1,300.28 | 323.37 |
| 23 31 16 16-0064 | EA | 72" Fiber Reinforced Plastic Flange | 1,487.21 | 366.49 |
| **23 31 16 16-0065** | | **Fiber Reinforced Plastic 90 Degree Elbow** *(23 31 16 16-0001)* | | |
| 23 31 16 16-0066 | EA | 2" Fiber Reinforced Plastic 90 Degree Elbow | 168.54 | 55.83 |
| 23 31 16 16-0067 | EA | 3" Fiber Reinforced Plastic 90 Degree Elbow | 198.08 | 66.72 |
| 23 31 16 16-0068 | EA | 4" Fiber Reinforced Plastic 90 Degree Elbow | 229.90 | 77.61 |
| 23 31 16 16-0069 | EA | 6" Fiber Reinforced Plastic 90 Degree Elbow | 298.16 | 103.48 |
| 23 31 16 16-0070 | EA | 8" Fiber Reinforced Plastic 90 Degree Elbow | 366.41 | 129.35 |
| 23 31 16 16-0071 | EA | 10" Fiber Reinforced Plastic 90 Degree Elbow | 434.68 | 155.21 |
| 23 31 16 16-0072 | EA | 12" Fiber Reinforced Plastic 90 Degree Elbow | 534.22 | 193.06 |
| 23 31 16 16-0073 | EA | 14" Fiber Reinforced Plastic 90 Degree Elbow | 603.45 | 204.37 |
| 23 31 16 16-0074 | EA | 16" Fiber Reinforced Plastic 90 Degree Elbow | 685.33 | 221.94 |
| 23 31 16 16-0075 | EA | 18" Fiber Reinforced Plastic 90 Degree Elbow | 812.62 | 238.00 |
| 23 31 16 16-0076 | EA | 20" Fiber Reinforced Plastic 90 Degree Elbow | 933.99 | 258.69 |
| 23 31 16 16-0077 | EA | 24" Fiber Reinforced Plastic 90 Degree Elbow | 1,079.94 | 284.57 |
| 23 31 16 16-0078 | EA | 30" Fiber Reinforced Plastic 90 Degree Elbow | 1,442.97 | 310.44 |
| 23 31 16 16-0079 | EA | 36" Fiber Reinforced Plastic 90 Degree Elbow | 1,839.05 | 349.24 |
| 23 31 16 16-0080 | EA | 42" Fiber Reinforced Plastic 90 Degree Elbow | 2,406.51 | 388.15 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 16 16-0081 | EA | 48" Fiber Reinforced Plastic 90 Degree Elbow | 2,848.32 | 426.96 |
| 23 31 16 16-0082 | EA | 54" Fiber Reinforced Plastic 90 Degree Elbow | 3,376.13 | 517.40 |
| 23 31 16 16-0083 | EA | 60" Fiber Reinforced Plastic 90 Degree Elbow | 4,094.47 | 646.74 |
| 23 31 16 16-0084 | EA | 66" Fiber Reinforced Plastic 90 Degree Elbow | 4,812.40 | 775.88 |
| 23 31 16 16-0085 | EA | 72" Fiber Reinforced Plastic 90 Degree Elbow | 5,487.44 | 879.25 |
| **23 31 16 16-0086** | | **Fiber Reinforced Plastic 45 Degree Elbow** *(23 31 16 16-0001)* | | |
| 23 31 16 16-0087 | EA | 2" Fiber Reinforced Plastic 45 Degree Elbow | 143.40 | 55.83 |
| 23 31 16 16-0088 | EA | 3" Fiber Reinforced Plastic 45 Degree Elbow | 168.37 | 66.72 |
| 23 31 16 16-0089 | EA | 4" Fiber Reinforced Plastic 45 Degree Elbow | 195.59 | 77.61 |
| 23 31 16 16-0090 | EA | 6" Fiber Reinforced Plastic 45 Degree Elbow | 247.88 | 103.48 |
| 23 31 16 16-0091 | EA | 8" Fiber Reinforced Plastic 45 Degree Elbow | 300.14 | 129.35 |
| 23 31 16 16-0092 | EA | 10" Fiber Reinforced Plastic 45 Degree Elbow | 357.06 | 155.21 |
| 23 31 16 16-0093 | EA | 12" Fiber Reinforced Plastic 45 Degree Elbow | 440.59 | 193.06 |
| 23 31 16 16-0094 | EA | 14" Fiber Reinforced Plastic 45 Degree Elbow | 477.67 | 204.37 |
| 23 31 16 16-0095 | EA | 16" Fiber Reinforced Plastic 45 Degree Elbow | 566.29 | 221.84 |
| 23 31 16 16-0096 | EA | 18" Fiber Reinforced Plastic 45 Degree Elbow | 648.37 | 238.21 |
| 23 31 16 16-0097 | EA | 20" Fiber Reinforced Plastic 45 Degree Elbow | 746.53 | 258.69 |
| 23 31 16 16-0098 | EA | 24" Fiber Reinforced Plastic 45 Degree Elbow | 857.78 | 284.35 |
| 23 31 16 16-0099 | EA | 30" Fiber Reinforced Plastic 45 Degree Elbow | 1,076.92 | 310.23 |
| 23 31 16 16-0100 | EA | 36" Fiber Reinforced Plastic 45 Degree Elbow | 1,311.65 | 349.56 |
| 23 31 16 16-0101 | EA | 42" Fiber Reinforced Plastic 45 Degree Elbow | 1,659.70 | 388.37 |
| 23 31 16 16-0102 | EA | 48" Fiber Reinforced Plastic 45 Degree Elbow | 1,945.63 | 426.96 |
| 23 31 16 16-0103 | EA | 54" Fiber Reinforced Plastic 45 Degree Elbow | 2,320.33 | 517.40 |
| 23 31 16 16-0104 | EA | 60" Fiber Reinforced Plastic 45 Degree Elbow | 2,787.29 | 646.74 |
| 23 31 16 16-0105 | EA | 66" Fiber Reinforced Plastic 45 Degree Elbow | 3,278.78 | 774.37 |
| 23 31 16 16-0106 | EA | 72" Fiber Reinforced Plastic 45 Degree Elbow | 3,706.51 | 880.11 |
| **23 31 16 16-0107** | | **Fiber Reinforced Plastic Tee** *(23 31 16 16-0001)* | | |
| 23 31 16 16-0108 | EA | 2" Fiber Reinforced Plastic Tee | 218.82 | 83.32 |
| 23 31 16 16-0109 | EA | 3" Fiber Reinforced Plastic Tee | 258.69 | 100.36 |
| 23 31 16 16-0110 | EA | 4" Fiber Reinforced Plastic Tee | 296.86 | 116.41 |
| 23 31 16 16-0111 | EA | 6" Fiber Reinforced Plastic Tee | 384.40 | 155.21 |
| 23 31 16 16-0112 | EA | 8" Fiber Reinforced Plastic Tee | 470.23 | 193.06 |
| 23 31 16 16-0113 | EA | 10" Fiber Reinforced Plastic Tee | 561.15 | 233.90 |
| 23 31 16 16-0114 | EA | 12" Fiber Reinforced Plastic Tee | 678.20 | 283.49 |
| 23 31 16 16-0115 | EA | 14" Fiber Reinforced Plastic Tee | 739.87 | 306.77 |
| 23 31 16 16-0116 | EA | 16" Fiber Reinforced Plastic Tee | 852.48 | 333.29 |
| 23 31 16 16-0117 | EA | 18" Fiber Reinforced Plastic Tee | 960.65 | 357.00 |
| 23 31 16 16-0118 | EA | 20" Fiber Reinforced Plastic Tee | 1,103.90 | 388.15 |
| 23 31 16 16-0119 | EA | 24" Fiber Reinforced Plastic Tee | 1,260.05 | 426.96 |
| 23 31 16 16-0120 | EA | 30" Fiber Reinforced Plastic Tee | 1,495.78 | 465.55 |
| 23 31 16 16-0121 | EA | 36" Fiber Reinforced Plastic Tee | 1,787.61 | 524.07 |
| 23 31 16 16-0122 | EA | 42" Fiber Reinforced Plastic Tee | 2,341.56 | 582.29 |
| 23 31 16 16-0123 | EA | 48" Fiber Reinforced Plastic Tee | 2,781.62 | 640.60 |
| 23 31 16 16-0124 | EA | 54" Fiber Reinforced Plastic Tee | 3,351.07 | 776.63 |
| 23 31 16 16-0125 | EA | 60" Fiber Reinforced Plastic Tee | 4,017.05 | 970.55 |
| 23 31 16 16-0126 | EA | 66" Fiber Reinforced Plastic Tee | 4,682.42 | 1,164.03 |
| 23 31 16 16-0127 | EA | 72" Fiber Reinforced Plastic Tee | 5,284.94 | 1,319.90 |
| **23 31 16 16-0128** | | **Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)* | | |
| 23 31 16 16-0129 | EA | 2" Fiber Reinforced Plastic Lateral Joint | 184.53 | 83.32 |
| 23 31 16 16-0130 | EA | 3" Fiber Reinforced Plastic Lateral Joint | 217.53 | 100.36 |
| 23 31 16 16-0131 | EA | 4" Fiber Reinforced Plastic Lateral Joint | 248.90 | 116.41 |
| 23 31 16 16-0132 | EA | 6" Fiber Reinforced Plastic Lateral Joint | 318.21 | 155.21 |
| 23 31 16 16-0133 | EA | 8" Fiber Reinforced Plastic Lateral Joint | 385.75 | 193.06 |
| 23 31 16 16-0134 | EA | 10" Fiber Reinforced Plastic Lateral Joint | 462.94 | 233.90 |
| 23 31 16 16-0135 | EA | 12" Fiber Reinforced Plastic Lateral Joint | 555.03 | 283.70 |
| 23 31 16 16-0136 | EA | 14" Fiber Reinforced Plastic Lateral Joint | 602.27 | 306.56 |
| 23 31 16 16-0137 | EA | 16" Fiber Reinforced Plastic Lateral Joint | 660.74 | 333.39 |
| 23 31 16 16-0138 | EA | 18" Fiber Reinforced Plastic Lateral Joint | 714.36 | 357.33 |
| 23 31 16 16-0139 | EA | 20" Fiber Reinforced Plastic Lateral Joint | 779.87 | 388.37 |
| 23 31 16 16-0140 | EA | 24" Fiber Reinforced Plastic Lateral Joint | 862.41 | 426.96 |
| 23 31 16 16-0141 | EA | 30" Fiber Reinforced Plastic Lateral Joint | 951.45 | 465.33 |
| 23 31 16 16-0142 | EA | 36" Fiber Reinforced Plastic Lateral Joint | 1,074.04 | 523.75 |
| 23 31 16 16-0143 | EA | 42" Fiber Reinforced Plastic Lateral Joint | 1,199.62 | 582.61 |
| 23 31 16 16-0144 | EA | 48" Fiber Reinforced Plastic Lateral Joint | 1,318.62 | 640.39 |
| 23 31 16 16-0145 | EA | 54" Fiber Reinforced Plastic Lateral Joint | 1,576.25 | 774.37 |
| 23 31 16 16-0146 | EA | 60" Fiber Reinforced Plastic Lateral Joint | 1,928.93 | 972.27 |
| 23 31 16 16-0147 | EA | 66" Fiber Reinforced Plastic Lateral Joint | 2,329.98 | 1,164.89 |
| 23 31 16 16-0148 | EA | 72" Fiber Reinforced Plastic Lateral Joint | 2,611.16 | 1,319.90 |
| **23 31 16 16-0149** | | **Fiber Reinforced Plastic One Piece Reducer** *(23 31 16 16-0001)* | | |
| 23 31 16 16-0150 | EA | 2" Fiber Reinforced Plastic One Piece Reducer | 152.58 | 55.95 |
| 23 31 16 16-0151 | EA | 3" Fiber Reinforced Plastic One Piece Reducer | 179.86 | 66.83 |
| 23 31 16 16-0152 | EA | 4" Fiber Reinforced Plastic One Piece Reducer | 211.67 | 77.61 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 16 16-0153 | EA | 6" Fiber Reinforced Plastic One Piece Reducer | 273.02 | 103.48 |
| 23 31 16 16-0154 | EA | 8" Fiber Reinforced Plastic One Piece Reducer | 329.84 | 129.35 |
| 23 31 16 16-0155 | EA | 10" Fiber Reinforced Plastic One Piece Reducer | 396.86 | 155.87 |
| 23 31 16 16-0156 | EA | 12" Fiber Reinforced Plastic One Piece Reducer | 472.59 | 193.06 |
| 23 31 16 16-0157 | EA | 14" Fiber Reinforced Plastic One Piece Reducer | 505.09 | 204.37 |
| 23 31 16 16-0158 | EA | 16" Fiber Reinforced Plastic One Piece Reducer | 557.15 | 221.84 |
| 23 31 16 16-0159 | EA | 18" Fiber Reinforced Plastic One Piece Reducer | 611.81 | 238.21 |
| 23 31 16 16-0160 | EA | 20" Fiber Reinforced Plastic One Piece Reducer | 682.54 | 258.69 |
| 23 31 16 16-0161 | EA | 24" Fiber Reinforced Plastic One Piece Reducer | 776.51 | 284.89 |
| 23 31 16 16-0162 | EA | 30" Fiber Reinforced Plastic One Piece Reducer | 870.15 | 310.97 |
| 23 31 16 16-0163 | EA | 36" Fiber Reinforced Plastic One Piece Reducer | 984.86 | 349.56 |
| 23 31 16 16-0164 | EA | 42" Fiber Reinforced Plastic One Piece Reducer | 1,099.81 | 388.37 |
| 23 31 16 16-0165 | EA | 48" Fiber Reinforced Plastic One Piece Reducer | 1,237.19 | 426.96 |
| 23 31 16 16-0166 | EA | 54" Fiber Reinforced Plastic One Piece Reducer | 1,467.92 | 517.40 |
| 23 31 16 16-0167 | EA | 60" Fiber Reinforced Plastic One Piece Reducer | 1,756.63 | 646.74 |
| 23 31 16 16-0168 | EA | 66" Fiber Reinforced Plastic One Piece Reducer | 1,976.17 | 774.37 |
| 23 31 16 16-0169 | EA | 72" Fiber Reinforced Plastic One Piece Reducer | 2,221.08 | 880.11 |
| 23 31 16 16-0170 | | Fiber Reinforced Plastic Two Piece Reducer *(23 31 16 16-0001)* | | |
| 23 31 16 16-0171 | EA | 2" Fiber Reinforced Plastic Two Piece Reducer | 180.00 | 55.95 |
| 23 31 16 16-0172 | EA | 3" Fiber Reinforced Plastic Two Piece Reducer | 198.14 | 66.83 |
| 23 31 16 16-0173 | EA | 4" Fiber Reinforced Plastic Two Piece Reducer | 229.95 | 77.61 |
| 23 31 16 16-0174 | EA | 6" Fiber Reinforced Plastic Two Piece Reducer | 298.16 | 103.48 |
| 23 31 16 16-0175 | EA | 8" Fiber Reinforced Plastic Two Piece Reducer | 366.41 | 129.35 |
| 23 31 16 16-0176 | EA | 10" Fiber Reinforced Plastic Two Piece Reducer | 435.71 | 155.87 |
| 23 31 16 16-0177 | EA | 12" Fiber Reinforced Plastic Two Piece Reducer | 522.86 | 193.06 |
| 23 31 16 16-0178 | EA | 14" Fiber Reinforced Plastic Two Piece Reducer | 569.08 | 204.37 |
| 23 31 16 16-0179 | EA | 16" Fiber Reinforced Plastic Two Piece Reducer | 621.14 | 221.84 |
| 23 31 16 16-0180 | EA | 18" Fiber Reinforced Plastic Two Piece Reducer | 698.65 | 238.21 |
| 23 31 16 16-0181 | EA | 20" Fiber Reinforced Plastic Two Piece Reducer | 874.50 | 258.69 |
| 23 31 16 16-0182 | EA | 24" Fiber Reinforced Plastic Two Piece Reducer | 1,057.60 | 284.89 |
| 23 31 16 16-0183 | EA | 30" Fiber Reinforced Plastic Two Piece Reducer | 1,135.25 | 310.97 |
| 23 31 16 16-0184 | EA | 36" Fiber Reinforced Plastic Two Piece Reducer | 1,291.09 | 349.56 |
| 23 31 16 16-0185 | EA | 42" Fiber Reinforced Plastic Two Piece Reducer | 1,401.46 | 388.37 |
| 23 31 16 16-0186 | EA | 48" Fiber Reinforced Plastic Two Piece Reducer | 1,534.28 | 426.96 |
| 23 31 16 16-0187 | EA | 54" Fiber Reinforced Plastic Two Piece Reducer | 1,707.87 | 517.40 |
| 23 31 16 16-0188 | EA | 60" Fiber Reinforced Plastic Two Piece Reducer | 1,982.87 | 646.74 |
| 23 31 16 16-0189 | EA | 66" Fiber Reinforced Plastic Two Piece Reducer | 2,227.55 | 774.37 |
| 23 31 16 16-0190 | EA | 72" Fiber Reinforced Plastic Two Piece Reducer | 2,449.61 | 880.11 |
| 23 31 16 16-0191 | | Fiber Reinforced Plastic Butterfly Dampers *(23 31 16 16-0001)* | | |
| 23 31 16 16-0192 | EA | 2" Fiber Reinforced Plastic Damper | 466.83 | 55.83 |
| 23 31 16 16-0193 | EA | 3" Fiber Reinforced Plastic Damper | 524.30 | 66.72 |
| 23 31 16 16-0194 | EA | 4" Fiber Reinforced Plastic Damper | 581.75 | 77.61 |
| 23 31 16 16-0195 | EA | 6" Fiber Reinforced Plastic Damper | 683.88 | 103.48 |
| 23 31 16 16-0196 | EA | 8" Fiber Reinforced Plastic Damper | 805.66 | 129.35 |
| 23 31 16 16-0197 | EA | 10" Fiber Reinforced Plastic Damper | 907.80 | 155.21 |
| 23 31 16 16-0198 | EA | 12" Fiber Reinforced Plastic Damper | 1,029.79 | 193.06 |
| 23 31 16 16-0199 | EA | 14" Fiber Reinforced Plastic Damper | 1,147.09 | 204.37 |
| 23 31 16 16-0200 | EA | 16" Fiber Reinforced Plastic Damper | 1,274.76 | 221.94 |
| 23 31 16 16-0201 | EA | 18" Fiber Reinforced Plastic Damper | 1,399.84 | 238.00 |
| 23 31 16 16-0202 | EA | 20" Fiber Reinforced Plastic Damper | 1,493.38 | 258.69 |
| 23 31 16 16-0203 | EA | 24" Fiber Reinforced Plastic Damper | 1,693.85 | 284.57 |
| 23 31 16 16-0204 | EA | 30" Fiber Reinforced Plastic Damper | 1,972.97 | 310.44 |
| 23 31 16 16-0205 | EA | 36" Fiber Reinforced Plastic Damper | 2,273.73 | 349.24 |
| 23 31 16 16-0206 | EA | 42" Fiber Reinforced Plastic Damper | 2,613.79 | 388.15 |
| 23 31 16 16-0207 | EA | 48" Fiber Reinforced Plastic Damper | 2,914.56 | 426.96 |
| 23 31 16 16-0208 | EA | 54" Fiber Reinforced Plastic Damper | 3,419.36 | 517.40 |
| 23 31 16 16-0209 | EA | 60" Fiber Reinforced Plastic Damper | 3,988.99 | 646.74 |
| 23 31 16 16-0210 | EA | 66" Fiber Reinforced Plastic Damper | 4,518.87 | 775.88 |
| 23 31 16 16-0211 | EA | 72" Fiber Reinforced Plastic Damper | 5,202.55 | 879.25 |
| **23 31 16 23** | | **Fabric Ducts** *(23 31 16)* | | |
| 23 31 16 23-0001 | | Heavy-Duty Fabric Ducts (Zip-A-Duct™) *(23 31 16 23)* | | |
| 23 31 16 23-0002 | | Heavy-Duty Fabric Duct Without Vents *(23 31 16 23-0001)* | | |
| | | Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware. | | |
| 23 31 16 23-0003 | EA | 12" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 199.86 | 8.84 |
| 23 31 16 23-0004 | EA | 12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 312.69 | 11.79 |
| 23 31 16 23-0005 | EA | 16" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 240.82 | 14.74 |
| 23 31 16 23-0006 | EA | 16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 358.75 | 19.37 |
| 23 31 16 23-0007 | EA | 20" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 292.03 | 20.22 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 16 23-0008 | EA | 20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 418.68 | 26.95 |
| 23 31 16 23-0009 | EA | 24" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 339.92 | 26.11 |
| 23 31 16 23-0010 | EA | 24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 478.58 | 34.53 |
| 23 31 16 23-0011 | EA | 28" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 379.11 | 29.90 |
| 23 31 16 23-0012 | EA | 28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 569.06 | 40.01 |
| 23 31 16 23-0013 | EA | 32" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 417.04 | 33.27 |
| 23 31 16 23-0014 | EA | 32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 634.93 | 44.21 |
| 23 31 16 23-0015 | EA | 36" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 454.16 | 37.91 |
| 23 31 16 23-0016 | EA | 36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents<br>Note: Excludes suspension cable and hardware. | 732.58 | 50.53 |
| **23 31 16 23-0017** | | **Heavy-Duty Fabric Duct With Vents** *(23 31 16 23-0001)* | | |
| 23 31 16 23-0018 | EA | 12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents<br>Note: Excludes suspension cable and hardware. | 543.59 | 11.79 |
| 23 31 16 23-0019 | EA | 16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents<br>Note: Excludes suspension cable and hardware. | 603.51 | 19.37 |
| 23 31 16 23-0020 | EA | 20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents<br>Note: Excludes suspension cable and hardware. | 674.98 | 26.95 |
| 23 31 16 23-0021 | EA | 24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents<br>Note: Excludes suspension cable and hardware. | 748.74 | 34.53 |
| 23 31 16 23-0022 | EA | 28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents<br>Note: Excludes suspension cable and hardware. | 901.56 | 40.01 |
| 23 31 16 23-0023 | EA | 32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents<br>Note: Excludes suspension cable and hardware. | 967.42 | 44.21 |
| 23 31 16 23-0024 | EA | 36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents<br>Note: Excludes suspension cable and hardware. | 1,092.79 | 50.53 |
| **23 31 16 23-0025** | | **Heavy-Duty Fabric Duct 90 Degree Elbow** *(23 31 16 23-0001)* | | |
| 23 31 16 23-0026 | EA | 12" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 405.31 | 12.64 |
| 23 31 16 23-0027 | EA | 16" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 453.66 | 20.22 |
| 23 31 16 23-0028 | EA | 20" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 613.48 | 21.90 |
| 23 31 16 23-0029 | EA | 24" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 749.58 | 29.48 |
| 23 31 16 23-0030 | EA | 28" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 946.83 | 32.84 |
| 23 31 16 23-0031 | EA | 32" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 1,179.73 | 35.79 |
| 23 31 16 23-0032 | EA | 36" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 1,340.38 | 40.01 |
| **23 31 16 23-0033** | | **Heavy-Duty Fabric Duct 45 Degree Elbow** *(23 31 16 23-0001)* | | |
| 23 31 16 23-0034 | EA | 12" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 310.64 | 12.64 |
| 23 31 16 23-0035 | EA | 16" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 365.92 | 20.22 |
| 23 31 16 23-0036 | EA | 20" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 410.29 | 21.90 |
| 23 31 16 23-0037 | EA | 24" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 479.43 | 29.48 |
| 23 31 16 23-0038 | EA | 28" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 554.30 | 32.84 |
| 23 31 16 23-0039 | EA | 32" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 664.82 | 35.79 |
| 23 31 16 23-0040 | EA | 36" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow<br>Note: Excludes suspension cable and hardware. | 758.40 | 40.01 |
| **23 31 16 23-0041** | | **Heavy-Duty Fabric Duct Tee** *(23 31 16 23-0001)* | | |
| 23 31 16 23-0042 | EA | 16" x 12" x 12" Gray Heavy-Duty Fabric Duct Tee<br>Note: Excludes suspension cable and hardware. | 989.71 | 29.48 |
| 23 31 16 23-0043 | EA | 20" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee<br>Note: Excludes suspension cable and hardware. | 1,042.28 | 31.59 |
| 23 31 16 23-0044 | EA | 24" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee<br>Note: Excludes suspension cable and hardware. | 1,130.88 | 42.53 |
| 23 31 16 23-0045 | EA | 28" x 20" x 20" Gray Heavy-Duty Fabric Duct Tee<br>Note: Excludes suspension cable and hardware. | 1,190.07 | 47.59 |
| 23 31 16 23-0046 | EA | 32" x 24" x 24" Gray Heavy-Duty Fabric Duct Tee<br>Note: Excludes suspension cable and hardware. | 1,235.15 | 51.80 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 31 16 23-0047 | EA | 36" x 28" x 28" Gray Heavy-Duty Fabric Duct Tee<br>Note: Excludes suspension cable and hardware. | 1,295.85 | 58.11 |
| **23 31 16 23-0048** | | **Heavy-Duty Fabric Duct Inlets** *(23 31 16 23-0001)* | | |
| 23 31 16 23-0049 | EA | 12" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet<br>Note: Excludes suspension cable and hardware. | 160.55 | 12.64 |
| 23 31 16 23-0050 | EA | 16" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet<br>Note: Excludes suspension cable and hardware. | 190.44 | 20.22 |
| 23 31 16 23-0051 | EA | 20" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet<br>Note: Excludes suspension cable and hardware. | 204.78 | 21.90 |
| 23 31 16 23-0052 | EA | 24" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet<br>Note: Excludes suspension cable and hardware. | 236.98 | 29.48 |
| 23 31 16 23-0053 | EA | 28" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet<br>Note: Excludes suspension cable and hardware. | 254.13 | 32.84 |
| 23 31 16 23-0054 | EA | 32" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet<br>Note: Excludes suspension cable and hardware. | 272.29 | 35.79 |
| 23 31 16 23-0055 | EA | 36" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet<br>Note: Excludes suspension cable and hardware. | 298.91 | 40.01 |
| **23 31 16 23-0056** | | **Heavy-Duty Fabric Duct Cap** *(23 31 16 23-0001)* | | |
| 23 31 16 23-0057 | EA | 12" Diameter Gray Heavy-Duty Fabric Duct End Cap<br>Note: Excludes suspension cable and hardware. | 94.43 | 7.58 |
| 23 31 16 23-0058 | EA | 16" Diameter Gray Heavy-Duty Fabric Duct End Cap<br>Note: Excludes suspension cable and hardware. | 120.02 | 12.22 |
| 23 31 16 23-0059 | EA | 20" Diameter Gray Heavy-Duty Fabric Duct End Cap<br>Note: Excludes suspension cable and hardware. | 141.04 | 13.05 |
| 23 31 16 23-0060 | EA | 24" Diameter Gray Heavy-Duty Fabric Duct End Cap<br>Note: Excludes suspension cable and hardware. | 196.63 | 17.69 |
| 23 31 16 23-0061 | EA | 28" Diameter Gray Heavy-Duty Fabric Duct End Cap<br>Note: Excludes suspension cable and hardware. | 235.35 | 19.79 |
| 23 31 16 23-0062 | EA | 32" Diameter Gray Heavy-Duty Fabric Duct End Cap<br>Note: Excludes suspension cable and hardware. | 293.56 | 21.47 |
| 23 31 16 23-0063 | EA | 36" Diameter Gray Heavy-Duty Fabric Duct End Cap<br>Note: Excludes suspension cable and hardware. | 331.23 | 24.01 |
| **23 31 16 23-0064** | | **Heavy-Duty Fabric Duct Suspension Hardware** *(23 31 16 23-0001)* | | |
| 23 31 16 23-0065 | EA | 12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware<br>Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct. | 37.00 | 6.38 |
| 23 31 16 23-0066 | EA | 20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware<br>Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct. | 57.69 | 9.57 |
| 23 31 16 23-0067 | EA | Galvanized Cable Locks For Horizontal Cables<br>Note: Requires two (2) cable locks per support point or per stretcher. | 13.75 | 3.19 |
| 23 31 16 23-0068 | LF | Galvanized Plastic Coated Cable For Fabric Duct<br>Note: Excludes anchor bolts or anchors. | 0.83 | 0.13 |
| 23 31 16 23-0069 | EA | Galvanized Stretcher For Straight Fabric Duct Runs | 31.89 | 6.38 |
| 23 31 16 23-0070 | EA | 12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware<br>Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct. | 67.66 | 6.38 |
| 23 31 16 23-0071 | EA | 20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware<br>Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct. | 92.55 | 9.57 |
| 23 31 16 23-0072 | EA | Stainless Steel Cable Locks For Horizontal Cables<br>Note: Requires two (2) cable locks per support point or per stretcher. | 18.07 | 3.19 |
| 23 31 16 23-0073 | LF | Stainless Steel Plastic Coated Cable For Fabric Duct<br>Note: Excludes anchor bolts or anchors. | 2.58 | 0.13 |
| 23 31 16 23-0074 | EA | Stainless Steel Stretcher For Straight Fabric Duct Runs | 43.07 | 6.38 |

# 23 33 Air Duct Accessories *(23 30)*

## 23 33 13 Dampers *(23 33)*

### 23 33 13 13 Volume-Control Dampers *(23 33 13)*

| | | | | |
|---|---|---|---|---|
| **23 33 13 13-0001** | | **Radial Opposed Blade Damper Steel Construction (Ruskin CDR)** *(23 33 13 13)* | | |
| 23 33 13 13-0002 | EA | 6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 126.59 | 10.19 |
| | | *For Stainless Steel, Add* | *113.17* | |
| | | *For Parallel Blade Damper, Add* | *34.82* | |
| 23 33 13 13-0003 | EA | 7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 134.17 | 11.46 |
| | | *For Stainless Steel, Add* | *114.80* | |
| | | *For Parallel Blade Damper, Add* | *35.32* | |
| 23 33 13 13-0004 | EA | 8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 142.57 | 12.74 |
| | | *For Stainless Steel, Add* | *116.01* | |
| | | *For Parallel Blade Damper, Add* | *35.70* | |
| 23 33 13 13-0005 | EA | 10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 153.61 | 15.29 |
| | | *For Stainless Steel, Add* | *123.27* | |
| | | *For Parallel Blade Damper, Add* | *37.93* | |
| 23 33 13 13-0006 | EA | 12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 165.92 | 16.56 |
| | | *For Stainless Steel, Add* | *130.52* | |
| | | *For Parallel Blade Damper, Add* | *40.16* | |
| 23 33 13 13-0007 | EA | 14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 199.95 | 17.84 |
| | | *For Stainless Steel, Add* | *166.78* | |
| | | *For Parallel Blade Damper, Add* | *51.32* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 13-0008 | EA | 15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 218.50 | 19.10 |
| | | *For Stainless Steel, Add* | *181.27* | |
| | | *For Parallel Blade Damper, Add* | *55.78* | |
| 23 33 13 13-0009 | EA | 16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 229.92 | 21.65 |
| | | *For Stainless Steel, Add* | *188.50* | |
| | | *For Parallel Blade Damper, Add* | *58.00* | |
| 23 33 13 13-0010 | EA | 18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 253.46 | 22.93 |
| | | *For Stainless Steel, Add* | *210.26* | |
| | | *For Parallel Blade Damper, Add* | *64.70* | |
| 23 33 13 13-0011 | EA | 20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 300.48 | 25.48 |
| | | *For Stainless Steel, Add* | *261.03* | |
| | | *For Parallel Blade Damper, Add* | *80.32* | |
| 23 33 13 13-0012 | EA | 24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 332.87 | 25.48 |
| | | *For Stainless Steel, Add* | *297.25* | |
| | | *For Parallel Blade Damper, Add* | *91.46* | |
| 23 33 13 13-0013 | EA | 30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 382.34 | 29.30 |
| | | *For Stainless Steel, Add* | *348.00* | |
| | | *For Parallel Blade Damper, Add* | *107.08* | |
| 23 33 13 13-0014 | EA | 36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated | 412.37 | 30.57 |
| | | *For Stainless Steel, Add* | *379.21* | |
| | | *For Parallel Blade Damper, Add* | *116.68* | |

## 23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) *(23 33 13 13)*

| | | | | |
|---|---|---|---|---|
| 23 33 13 13-0016 | EA | 6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 143.07 | 14.17 |
| | | *For Stainless Steel, Add* | *130.75* | |
| | | *For Parallel Blade Damper, Add* | *40.23* | |
| 23 33 13 13-0017 | EA | 8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 152.13 | 14.80 |
| | | *For Stainless Steel, Add* | *140.04* | |
| | | *For Parallel Blade Damper, Add* | *43.09* | |
| 23 33 13 13-0018 | EA | 8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 159.58 | 14.93 |
| | | *For Stainless Steel, Add* | *149.38* | |
| | | *For Parallel Blade Damper, Add* | *45.96* | |
| 23 33 13 13-0019 | EA | 10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 159.58 | 14.93 |
| | | *For Stainless Steel, Add* | *149.38* | |
| | | *For Parallel Blade Damper, Add* | *45.96* | |
| 23 33 13 13-0020 | EA | 10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 168.06 | 15.32 |
| | | *For Stainless Steel, Add* | *158.74* | |
| | | *For Parallel Blade Damper, Add* | *48.84* | |
| 23 33 13 13-0021 | EA | 10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 187.49 | 16.98 |
| | | *For Stainless Steel, Add* | *177.37* | |
| | | *For Parallel Blade Damper, Add* | *54.58* | |
| 23 33 13 13-0022 | EA | 12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 168.06 | 15.32 |
| | | *For Stainless Steel, Add* | *158.74* | |
| | | *For Parallel Blade Damper, Add* | *48.84* | |
| 23 33 13 13-0023 | EA | 12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 184.93 | 16.21 |
| | | *For Stainless Steel, Add* | *177.37* | |
| | | *For Parallel Blade Damper, Add* | *54.58* | |
| 23 33 13 13-0024 | EA | 12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 194.73 | 16.98 |
| | | *For Stainless Steel, Add* | *186.78* | |
| | | *For Parallel Blade Damper, Add* | *57.47* | |
| 23 33 13 13-0025 | EA | 12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 215.16 | 19.14 |
| | | *For Stainless Steel, Add* | *205.05* | |
| | | *For Parallel Blade Damper, Add* | *63.09* | |
| 23 33 13 13-0026 | EA | 14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 181.38 | 16.21 |
| | | *For Stainless Steel, Add* | *172.76* | |
| | | *For Parallel Blade Damper, Add* | *53.16* | |
| 23 33 13 13-0027 | EA | 14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 194.73 | 16.98 |
| | | *For Stainless Steel, Add* | *186.78* | |
| | | *For Parallel Blade Damper, Add* | *57.47* | |
| 23 33 13 13-0028 | EA | 14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 204.46 | 17.86 |
| | | *For Stainless Steel, Add* | *196.13* | |
| | | *For Parallel Blade Damper, Add* | *60.35* | |
| 23 33 13 13-0029 | EA | 14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 215.49 | 19.14 |
| | | *For Stainless Steel, Add* | *205.48* | |
| | | *For Parallel Blade Damper, Add* | *63.22* | |
| 23 33 13 13-0030 | EA | 14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 239.80 | 21.31 |
| | | *For Stainless Steel, Add* | *228.79* | |
| | | *For Parallel Blade Damper, Add* | *70.40* | |
| 23 33 13 13-0031 | EA | 16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 194.73 | 16.98 |
| | | *For Stainless Steel, Add* | *186.78* | |
| | | *For Parallel Blade Damper, Add* | *57.47* | |
| 23 33 13 13-0032 | EA | 16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 205.74 | 18.25 |
| | | *For Stainless Steel, Add* | *196.13* | |
| | | *For Parallel Blade Damper, Add* | *60.35* | |
| 23 33 13 13-0033 | EA | 16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 218.04 | 20.03 |
| | | *For Stainless Steel, Add* | *205.48* | |
| | | *For Parallel Blade Damper, Add* | *63.22* | |
| 23 33 13 13-0034 | EA | 16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 229.02 | 21.31 |
| | | *For Stainless Steel, Add* | *214.77* | |
| | | *For Parallel Blade Damper, Add* | *66.08* | |
| 23 33 13 13-0035 | EA | 16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 253.42 | 23.35 |
| | | *For Stainless Steel, Add* | *238.20* | |
| | | *For Parallel Blade Damper, Add* | *73.29* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 13-0036 | EA | 16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 277.73 | 25.52 |
| | | *For Stainless Steel, Add* | *261.51* | |
| | | *For Parallel Blade Damper, Add* | *80.46* | |
| 23 33 13 13-0037 | EA | 18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 204.46 | 17.86 |
| | | *For Stainless Steel, Add* | *196.13* | |
| | | *For Parallel Blade Damper, Add* | *60.35* | |
| 23 33 13 13-0038 | EA | 18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 219.04 | 19.14 |
| | | *For Stainless Steel, Add* | *210.09* | |
| | | *For Parallel Blade Damper, Add* | *64.64* | |
| 23 33 13 13-0039 | EA | 18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 236.26 | 21.31 |
| | | *For Stainless Steel, Add* | *224.19* | |
| | | *For Parallel Blade Damper, Add* | *68.98* | |
| 23 33 13 13-0040 | EA | 18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 260.62 | 23.35 |
| | | *For Stainless Steel, Add* | *247.56* | |
| | | *For Parallel Blade Damper, Add* | *76.17* | |
| 23 33 13 13-0041 | EA | 18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 281.33 | 25.52 |
| | | *For Stainless Steel, Add* | *266.19* | |
| | | *For Parallel Blade Damper, Add* | *81.90* | |
| 23 33 13 13-0042 | EA | 18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 295.51 | 27.56 |
| | | *For Stainless Steel, Add* | *276.34* | |
| | | *For Parallel Blade Damper, Add* | *85.03* | |
| 23 33 13 13-0043 | EA | 18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 312.18 | 29.73 |
| | | *For Stainless Steel, Add* | *289.72* | |
| | | *For Parallel Blade Damper, Add* | *89.14* | |
| 23 33 13 13-0044 | EA | 20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 201.12 | 19.14 |
| | | *For Stainless Steel, Add* | *186.80* | |
| | | *For Parallel Blade Damper, Add* | *57.48* | |
| 23 33 13 13-0045 | EA | 20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 220.53 | 21.31 |
| | | *For Stainless Steel, Add* | *203.74* | |
| | | *For Parallel Blade Damper, Add* | *62.69* | |
| 23 33 13 13-0046 | EA | 20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 239.99 | 23.35 |
| | | *For Stainless Steel, Add* | *220.74* | |
| | | *For Parallel Blade Damper, Add* | *67.92* | |
| 23 33 13 13-0047 | EA | 20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 272.52 | 25.52 |
| | | *For Stainless Steel, Add* | *254.74* | |
| | | *For Parallel Blade Damper, Add* | *78.38* | |
| 23 33 13 13-0048 | EA | 20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 288.70 | 27.56 |
| | | *For Stainless Steel, Add* | *267.49* | |
| | | *For Parallel Blade Damper, Add* | *82.30* | |
| 23 33 13 13-0049 | EA | 20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 304.88 | 29.73 |
| | | *For Stainless Steel, Add* | *280.23* | |
| | | *For Parallel Blade Damper, Add* | *86.22* | |
| 23 33 13 13-0050 | EA | 20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 324.30 | 31.91 |
| | | *For Stainless Steel, Add* | *297.17* | |
| | | *For Parallel Blade Damper, Add* | *91.44* | |
| 23 33 13 13-0051 | EA | 20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 343.71 | 33.94 |
| | | *For Stainless Steel, Add* | *314.11* | |
| | | *For Parallel Blade Damper, Add* | *96.65* | |
| 23 33 13 13-0052 | EA | 24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 227.07 | 21.31 |
| | | *For Stainless Steel, Add* | *212.24* | |
| | | *For Parallel Blade Damper, Add* | *65.30* | |
| 23 33 13 13-0053 | EA | 24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 253.07 | 23.35 |
| | | *For Stainless Steel, Add* | *237.74* | |
| | | *For Parallel Blade Damper, Add* | *73.15* | |
| 23 33 13 13-0054 | EA | 24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 272.52 | 25.52 |
| | | *For Stainless Steel, Add* | *254.74* | |
| | | *For Parallel Blade Damper, Add* | *78.38* | |
| 23 33 13 13-0055 | EA | 24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 298.50 | 27.56 |
| | | *For Stainless Steel, Add* | *280.23* | |
| | | *For Parallel Blade Damper, Add* | *86.22* | |
| 23 33 13 13-0056 | EA | 24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 314.65 | 29.73 |
| | | *For Stainless Steel, Add* | *292.93* | |
| | | *For Parallel Blade Damper, Add* | *90.13* | |
| 23 33 13 13-0057 | EA | 24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 330.84 | 31.91 |
| | | *For Stainless Steel, Add* | *305.67* | |
| | | *For Parallel Blade Damper, Add* | *94.05* | |
| 23 33 13 13-0058 | EA | 24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 356.79 | 33.94 |
| | | *For Stainless Steel, Add* | *331.11* | |
| | | *For Parallel Blade Damper, Add* | *101.88* | |
| 23 33 13 13-0059 | EA | 24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 389.12 | 38.29 |
| | | *For Stainless Steel, Add* | *356.55* | |
| | | *For Parallel Blade Damper, Add* | *109.71* | |
| 23 33 13 13-0060 | EA | 24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 428.07 | 42.49 |
| | | *For Stainless Steel, Add* | *390.60* | |
| | | *For Parallel Blade Damper, Add* | *120.18* | |
| 23 33 13 13-0061 | EA | 28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 253.07 | 23.35 |
| | | *For Stainless Steel, Add* | *237.74* | |
| | | *For Parallel Blade Damper, Add* | *73.15* | |
| 23 33 13 13-0062 | EA | 28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 272.52 | 25.52 |
| | | *For Stainless Steel, Add* | *254.74* | |
| | | *For Parallel Blade Damper, Add* | *78.38* | |
| 23 33 13 13-0063 | EA | 28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 298.50 | 27.56 |
| | | *For Stainless Steel, Add* | *280.23* | |
| | | *For Parallel Blade Damper, Add* | *86.22* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 13-0064 | EA | 28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 317.91 | 29.73 |
| | | *For Stainless Steel, Add* | *297.17* | |
| | | *For Parallel Blade Damper, Add* | *91.44* | |
| 23 33 13 13-0065 | EA | 28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 340.60 | 31.91 |
| | | *For Stainless Steel, Add* | *318.36* | |
| | | *For Parallel Blade Damper, Add* | *97.96* | |
| 23 33 13 13-0066 | EA | 28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 363.28 | 33.94 |
| | | *For Stainless Steel, Add* | *339.55* | |
| | | *For Parallel Blade Damper, Add* | *104.48* | |
| 23 33 13 13-0067 | EA | 28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 395.66 | 38.29 |
| | | *For Stainless Steel, Add* | *365.05* | |
| | | *For Parallel Blade Damper, Add* | *112.32* | |
| 23 33 13 13-0068 | EA | 28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 428.07 | 42.49 |
| | | *For Stainless Steel, Add* | *390.60* | |
| | | *For Parallel Blade Damper, Add* | *120.18* | |
| 23 33 13 13-0069 | EA | 28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 473.59 | 44.67 |
| | | *For Stainless Steel, Add* | *441.48* | |
| | | *For Parallel Blade Damper, Add* | *135.84* | |
| 23 33 13 13-0070 | EA | 28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 518.99 | 48.87 |
| | | *For Stainless Steel, Add* | *483.91* | |
| | | *For Parallel Blade Damper, Add* | *148.90* | |
| 23 33 13 13-0071 | EA | 32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 292.13 | 25.52 |
| | | *For Stainless Steel, Add* | *280.23* | |
| | | *For Parallel Blade Damper, Add* | *86.22* | |
| 23 33 13 13-0072 | EA | 32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 305.00 | 27.56 |
| | | *For Stainless Steel, Add* | *288.68* | |
| | | *For Parallel Blade Damper, Add* | *88.82* | |
| 23 33 13 13-0073 | EA | 32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 317.91 | 29.73 |
| | | *For Stainless Steel, Add* | *297.17* | |
| | | *For Parallel Blade Damper, Add* | *91.44* | |
| 23 33 13 13-0074 | EA | 32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 337.33 | 31.91 |
| | | *For Stainless Steel, Add* | *314.11* | |
| | | *For Parallel Blade Damper, Add* | *96.65* | |
| 23 33 13 13-0075 | EA | 32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 364.55 | 33.94 |
| | | *For Stainless Steel, Add* | *341.20* | |
| | | *For Parallel Blade Damper, Add* | *104.98* | |
| 23 33 13 13-0076 | EA | 32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 395.66 | 38.29 |
| | | *For Stainless Steel, Add* | *365.05* | |
| | | *For Parallel Blade Damper, Add* | *112.32* | |
| 23 33 13 13-0077 | EA | 32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 434.61 | 42.49 |
| | | *For Stainless Steel, Add* | *399.10* | |
| | | *For Parallel Blade Damper, Add* | *122.80* | |
| 23 33 13 13-0078 | EA | 32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 473.48 | 46.71 |
| | | *For Stainless Steel, Add* | *433.04* | |
| | | *For Parallel Blade Damper, Add* | *133.24* | |
| 23 33 13 13-0079 | EA | 32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 518.99 | 48.87 |
| | | *For Stainless Steel, Add* | *483.91* | |
| | | *For Parallel Blade Damper, Add* | *148.90* | |
| 23 33 13 13-0080 | EA | 32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 574.97 | 52.32 |
| | | *For Stainless Steel, Add* | *543.41* | |
| | | *For Parallel Blade Damper, Add* | *167.20* | |
| 23 33 13 13-0081 | EA | 32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 636.16 | 55.25 |
| | | *For Stainless Steel, Add* | *611.34* | |
| | | *For Parallel Blade Damper, Add* | *188.10* | |
| 23 33 13 13-0082 | EA | 36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 318.07 | 27.56 |
| | | *For Stainless Steel, Add* | *305.67* | |
| | | *For Parallel Blade Damper, Add* | *94.05* | |
| 23 33 13 13-0083 | EA | 36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 337.48 | 29.73 |
| | | *For Stainless Steel, Add* | *322.61* | |
| | | *For Parallel Blade Damper, Add* | *99.26* | |
| 23 33 13 13-0084 | EA | 36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 356.90 | 31.91 |
| | | *For Stainless Steel, Add* | *339.55* | |
| | | *For Parallel Blade Damper, Add* | *104.48* | |
| 23 33 13 13-0085 | EA | 36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 382.90 | 33.94 |
| | | *For Stainless Steel, Add* | *365.05* | |
| | | *For Parallel Blade Damper, Add* | *112.32* | |
| 23 33 13 13-0086 | EA | 36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 405.51 | 38.29 |
| | | *For Stainless Steel, Add* | *377.86* | |
| | | *For Parallel Blade Damper, Add* | *116.26* | |
| 23 33 13 13-0087 | EA | 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 421.69 | 40.33 |
| | | *For Stainless Steel, Add* | *390.60* | |
| | | *For Parallel Blade Damper, Add* | *120.18* | |
| 23 33 13 13-0088 | EA | 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 473.48 | 46.71 |
| | | *For Stainless Steel, Add* | *433.04* | |
| | | *For Parallel Blade Damper, Add* | *133.24* | |
| 23 33 13 13-0089 | EA | 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 518.85 | 51.05 |
| | | *For Stainless Steel, Add* | *475.42* | |
| | | *For Parallel Blade Damper, Add* | *146.28* | |
| 23 33 13 13-0090 | EA | 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 563.17 | 52.71 |
| | | *For Stainless Steel, Add* | *526.41* | |
| | | *For Parallel Blade Damper, Add* | *161.97* | |
| 23 33 13 13-0091 | EA | 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 626.86 | 56.53 |
| | | *For Stainless Steel, Add* | *594.28* | |
| | | *For Parallel Blade Damper, Add* | *182.86* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 13-0092 | EA | 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 681.52 | 59.47 |
| | | *For Stainless Steel, Add* | *653.72* | |
| | | *For Parallel Blade Damper, Add* | *201.14* | |
| 23 33 13 13-0093 | EA | 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 740.16 | 61.63 |
| | | *For Stainless Steel, Add* | *721.66* | |
| | | *For Parallel Blade Damper, Add* | *222.05* | |
| 23 33 13 13-0094 | EA | 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 330.94 | 31.91 |
| | | *For Stainless Steel, Add* | *314.11* | |
| | | *For Parallel Blade Damper, Add* | *96.65* | |
| 23 33 13 13-0095 | EA | 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 363.44 | 33.94 |
| | | *For Stainless Steel, Add* | *348.05* | |
| | | *For Parallel Blade Damper, Add* | *107.09* | |
| 23 33 13 13-0096 | EA | 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 376.36 | 36.11 |
| | | *For Stainless Steel, Add* | *356.55* | |
| | | *For Parallel Blade Damper, Add* | *109.71* | |
| 23 33 13 13-0097 | EA | 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 389.28 | 38.29 |
| | | *For Stainless Steel, Add* | *365.05* | |
| | | *For Parallel Blade Damper, Add* | *112.32* | |
| 23 33 13 13-0098 | EA | 40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 424.92 | 40.33 |
| | | *For Stainless Steel, Add* | *394.80* | |
| | | *For Parallel Blade Damper, Add* | *121.48* | |
| 23 33 13 13-0099 | EA | 40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 454.18 | 42.49 |
| | | *For Stainless Steel, Add* | *424.54* | |
| | | *For Parallel Blade Damper, Add* | *130.63* | |
| 23 33 13 13-0100 | EA | 40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 499.43 | 48.87 |
| | | *For Stainless Steel, Add* | *458.48* | |
| | | *For Parallel Blade Damper, Add* | *141.07* | |
| 23 33 13 13-0101 | EA | 40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 538.35 | 53.09 |
| | | *For Stainless Steel, Add* | *492.48* | |
| | | *For Parallel Blade Damper, Add* | *151.53* | |
| 23 33 13 13-0102 | EA | 40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 587.73 | 56.53 |
| | | *For Stainless Steel, Add* | *543.41* | |
| | | *For Parallel Blade Damper, Add* | *167.20* | |
| 23 33 13 13-0103 | EA | 40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 668.49 | 59.47 |
| | | *For Stainless Steel, Add* | *636.78* | |
| | | *For Parallel Blade Damper, Add* | *195.93* | |
| 23 33 13 13-0104 | EA | 40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 717.84 | 62.91 |
| | | *For Stainless Steel, Add* | *687.66* | |
| | | *For Parallel Blade Damper, Add* | *211.59* | |
| 23 33 13 13-0105 | EA | 40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 794.81 | 64.57 |
| | | *For Stainless Steel, Add* | *781.09* | |
| | | *For Parallel Blade Damper, Add* | *240.34* | |
| 23 33 13 13-0106 | EA | 40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 870.35 | 68.02 |
| | | *For Stainless Steel, Add* | *866.02* | |
| | | *For Parallel Blade Damper, Add* | *266.47* | |
| 23 33 13 13-0107 | EA | 44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 350.41 | 31.91 |
| | | *For Stainless Steel, Add* | *331.11* | |
| | | *For Parallel Blade Damper, Add* | *101.88* | |
| 23 33 13 13-0108 | EA | 44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 382.90 | 33.94 |
| | | *For Stainless Steel, Add* | *365.05* | |
| | | *For Parallel Blade Damper, Add* | *112.32* | |
| 23 33 13 13-0109 | EA | 44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 408.93 | 36.11 |
| | | *For Stainless Steel, Add* | *390.60* | |
| | | *For Parallel Blade Damper, Add* | *120.18* | |
| 23 33 13 13-0110 | EA | 44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 421.85 | 38.29 |
| | | *For Stainless Steel, Add* | *399.10* | |
| | | *For Parallel Blade Damper, Add* | *122.80* | |
| 23 33 13 13-0111 | EA | 44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 454.34 | 40.33 |
| | | *For Stainless Steel, Add* | *433.04* | |
| | | *For Parallel Blade Damper, Add* | *133.24* | |
| 23 33 13 13-0112 | EA | 44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 486.82 | 42.49 |
| | | *For Stainless Steel, Add* | *466.97* | |
| | | *For Parallel Blade Damper, Add* | *143.68* | |
| 23 33 13 13-0113 | EA | 44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 545.04 | 51.05 |
| | | *For Stainless Steel, Add* | *509.47* | |
| | | *For Parallel Blade Damper, Add* | *156.76* | |
| 23 33 13 13-0114 | EA | 44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 590.40 | 55.25 |
| | | *For Stainless Steel, Add* | *551.85* | |
| | | *For Parallel Blade Damper, Add* | *169.80* | |
| 23 33 13 13-0115 | EA | 44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 668.49 | 59.47 |
| | | *For Stainless Steel, Add* | *636.78* | |
| | | *For Parallel Blade Damper, Add* | *195.93* | |
| 23 33 13 13-0116 | EA | 44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 740.05 | 63.81 |
| | | *For Stainless Steel, Add* | *713.22* | |
| | | *For Parallel Blade Damper, Add* | *219.45* | |
| 23 33 13 13-0117 | EA | 44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 818.05 | 68.02 |
| | | *For Stainless Steel, Add* | *798.03* | |
| | | *For Parallel Blade Damper, Add* | *245.55* | |
| 23 33 13 13-0118 | EA | 44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 883.22 | 70.05 |
| | | *For Stainless Steel, Add* | *874.46* | |
| | | *For Parallel Blade Damper, Add* | *269.06* | |
| 23 33 13 13-0119 | EA | 44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 948.41 | 72.23 |
| | | *For Stainless Steel, Add* | *950.90* | |
| | | *For Parallel Blade Damper, Add* | *292.58* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 13-0120 | EA | 44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,013.58 | 74.40 |
| | | *For Stainless Steel, Add* | *1,027.33* | |
| | | *For Parallel Blade Damper, Add* | *316.10* | |
| 23 33 13 13-0121 | EA | 48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 376.36 | 33.94 |
| | | *For Stainless Steel, Add* | *356.55* | |
| | | *For Parallel Blade Damper, Add* | *109.71* | |
| 23 33 13 13-0122 | EA | 48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 408.93 | 36.11 |
| | | *For Stainless Steel, Add* | *390.60* | |
| | | *For Parallel Blade Damper, Add* | *120.18* | |
| 23 33 13 13-0123 | EA | 48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 421.85 | 38.29 |
| | | *For Stainless Steel, Add* | *399.10* | |
| | | *For Parallel Blade Damper, Add* | *122.80* | |
| 23 33 13 13-0124 | EA | 48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 454.18 | 42.49 |
| | | *For Stainless Steel, Add* | *424.54* | |
| | | *For Parallel Blade Damper, Add* | *130.63* | |
| 23 33 13 13-0125 | EA | 48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 493.05 | 46.71 |
| | | *For Stainless Steel, Add* | *458.48* | |
| | | *For Parallel Blade Damper, Add* | *141.07* | |
| 23 33 13 13-0126 | EA | 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 531.97 | 51.05 |
| | | *For Stainless Steel, Add* | *492.48* | |
| | | *For Parallel Blade Damper, Add* | *151.53* | |
| 23 33 13 13-0127 | EA | 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 583.91 | 55.25 |
| | | *For Stainless Steel, Add* | *543.41* | |
| | | *For Parallel Blade Damper, Add* | *167.20* | |
| 23 33 13 13-0128 | EA | 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 635.80 | 59.47 |
| | | *For Stainless Steel, Add* | *594.28* | |
| | | *For Parallel Blade Damper, Add* | *182.86* | |
| 23 33 13 13-0129 | EA | 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 707.36 | 63.81 |
| | | *For Stainless Steel, Add* | *670.72* | |
| | | *For Parallel Blade Damper, Add* | *206.38* | |
| 23 33 13 13-0130 | EA | 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 791.94 | 68.02 |
| | | *For Stainless Steel, Add* | *764.09* | |
| | | *For Parallel Blade Damper, Add* | *235.10* | |
| 23 33 13 13-0131 | EA | 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 857.16 | 70.05 |
| | | *For Stainless Steel, Add* | *840.58* | |
| | | *For Parallel Blade Damper, Add* | *258.64* | |
| 23 33 13 13-0132 | EA | 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 941.87 | 72.23 |
| | | *For Stainless Steel, Add* | *942.40* | |
| | | *For Parallel Blade Damper, Add* | *289.97* | |
| 23 33 13 13-0133 | EA | 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,013.42 | 76.44 |
| | | *For Stainless Steel, Add* | *1,018.82* | |
| | | *For Parallel Blade Damper, Add* | *313.48* | |
| 23 33 13 13-0134 | EA | 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,098.16 | 78.61 |
| | | *For Stainless Steel, Add* | *1,120.69* | |
| | | *For Parallel Blade Damper, Add* | *344.83* | |
| 23 33 13 13-0135 | EA | 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,169.55 | 84.99 |
| | | *For Stainless Steel, Add* | *1,188.63* | |
| | | *For Parallel Blade Damper, Add* | *365.73* | |
| 23 33 13 13-0136 | EA | 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 402.40 | 36.11 |
| | | *For Stainless Steel, Add* | *382.11* | |
| | | *For Parallel Blade Damper, Add* | *117.57* | |
| 23 33 13 13-0137 | EA | 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 434.88 | 38.29 |
| | | *For Stainless Steel, Add* | *416.04* | |
| | | *For Parallel Blade Damper, Add* | *128.01* | |
| 23 33 13 13-0138 | EA | 52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 473.75 | 42.49 |
| | | *For Stainless Steel, Add* | *449.98* | |
| | | *For Parallel Blade Damper, Add* | *138.46* | |
| 23 33 13 13-0139 | EA | 52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 493.05 | 46.71 |
| | | *For Stainless Steel, Add* | *458.48* | |
| | | *For Parallel Blade Damper, Add* | *141.07* | |
| 23 33 13 13-0140 | EA | 52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 535.23 | 51.05 |
| | | *For Stainless Steel, Add* | *496.72* | |
| | | *For Parallel Blade Damper, Add* | *152.84* | |
| 23 33 13 13-0141 | EA | 52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 577.37 | 55.25 |
| | | *For Stainless Steel, Add* | *534.91* | |
| | | *For Parallel Blade Damper, Add* | *164.59* | |
| 23 33 13 13-0142 | EA | 52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 629.31 | 59.47 |
| | | *For Stainless Steel, Add* | *585.85* | |
| | | *For Parallel Blade Damper, Add* | *180.26* | |
| 23 33 13 13-0143 | EA | 52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 681.25 | 63.81 |
| | | *For Stainless Steel, Add* | *636.78* | |
| | | *For Parallel Blade Damper, Add* | *195.93* | |
| 23 33 13 13-0144 | EA | 52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 752.81 | 68.02 |
| | | *For Stainless Steel, Add* | *713.22* | |
| | | *For Parallel Blade Damper, Add* | *219.45* | |
| 23 33 13 13-0145 | EA | 52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 843.89 | 72.23 |
| | | *For Stainless Steel, Add* | *815.02* | |
| | | *For Parallel Blade Damper, Add* | *250.78* | |
| 23 33 13 13-0146 | EA | 52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 915.56 | 74.40 |
| | | *For Stainless Steel, Add* | *899.90* | |
| | | *For Parallel Blade Damper, Add* | *276.89* | |
| 23 33 13 13-0147 | EA | 52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,006.88 | 76.44 |
| | | *For Stainless Steel, Add* | *1,010.32* | |
| | | *For Parallel Blade Damper, Add* | *310.87* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 13-0148 | EA | 52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,097.96 | 80.78 |
| | | *For Stainless Steel, Add* | *1,112.14* | |
| | | *For Parallel Blade Damper, Add* | *342.20* | |
| 23 33 13 13-0149 | EA | 52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,169.55 | 84.99 |
| | | *For Stainless Steel, Add* | *1,188.63* | |
| | | *For Parallel Blade Damper, Add* | *365.73* | |
| 23 33 13 13-0150 | EA | 52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,267.06 | 91.37 |
| | | *For Stainless Steel, Add* | *1,290.50* | |
| | | *For Parallel Blade Damper, Add* | *397.08* | |
| 23 33 13 13-0151 | EA | 52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,345.15 | 95.58 |
| | | *For Stainless Steel, Add* | *1,375.43* | |
| | | *For Parallel Blade Damper, Add* | *423.21* | |
| 23 33 13 13-0152 | EA | 56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 421.85 | 38.29 |
| | | *For Stainless Steel, Add* | *399.10* | |
| | | *For Parallel Blade Damper, Add* | *122.80* | |
| 23 33 13 13-0153 | EA | 56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 467.21 | 42.49 |
| | | *For Stainless Steel, Add* | *441.48* | |
| | | *For Parallel Blade Damper, Add* | *135.84* | |
| 23 33 13 13-0154 | EA | 56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 499.58 | 46.71 |
| | | *For Stainless Steel, Add* | *466.97* | |
| | | *For Parallel Blade Damper, Add* | *143.68* | |
| 23 33 13 13-0155 | EA | 56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 518.85 | 51.05 |
| | | *For Stainless Steel, Add* | *475.42* | |
| | | *For Parallel Blade Damper, Add* | *146.28* | |
| 23 33 13 13-0156 | EA | 56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 567.56 | 55.25 |
| | | *For Stainless Steel, Add* | *522.16* | |
| | | *For Parallel Blade Damper, Add* | *160.66* | |
| 23 33 13 13-0157 | EA | 56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 616.23 | 59.47 |
| | | *For Stainless Steel, Add* | *568.84* | |
| | | *For Parallel Blade Damper, Add* | *175.03* | |
| 23 33 13 13-0158 | EA | 56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 664.91 | 63.81 |
| | | *For Stainless Steel, Add* | *615.54* | |
| | | *For Parallel Blade Damper, Add* | *189.40* | |
| 23 33 13 13-0159 | EA | 56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 713.58 | 68.02 |
| | | *For Stainless Steel, Add* | *662.22* | |
| | | *For Parallel Blade Damper, Add* | *203.76* | |
| 23 33 13 13-0160 | EA | 56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 804.71 | 72.23 |
| | | *For Stainless Steel, Add* | *764.09* | |
| | | *For Parallel Blade Damper, Add* | *235.10* | |
| 23 33 13 13-0161 | EA | 56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 889.50 | 74.40 |
| | | *For Stainless Steel, Add* | *866.02* | |
| | | *For Parallel Blade Damper, Add* | *266.47* | |
| 23 33 13 13-0162 | EA | 56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 967.70 | 76.44 |
| | | *For Stainless Steel, Add* | *959.39* | |
| | | *For Parallel Blade Damper, Add* | *295.20* | |
| 23 33 13 13-0163 | EA | 56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,071.90 | 80.78 |
| | | *For Stainless Steel, Add* | *1,078.26* | |
| | | *For Parallel Blade Damper, Add* | *331.77* | |
| 23 33 13 13-0164 | EA | 56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,163.01 | 84.99 |
| | | *For Stainless Steel, Add* | *1,180.13* | |
| | | *For Parallel Blade Damper, Add* | *363.12* | |
| 23 33 13 13-0165 | EA | 56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,260.67 | 89.20 |
| | | *For Stainless Steel, Add* | *1,290.50* | |
| | | *For Parallel Blade Damper, Add* | *397.08* | |
| 23 33 13 13-0166 | EA | 56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,338.77 | 93.54 |
| | | *For Stainless Steel, Add* | *1,375.43* | |
| | | *For Parallel Blade Damper, Add* | *423.21* | |
| 23 33 13 13-0167 | EA | 56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,436.43 | 97.75 |
| | | *For Stainless Steel, Add* | *1,485.80* | |
| | | *For Parallel Blade Damper, Add* | *457.17* | |
| 23 33 13 13-0168 | EA | 56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,534.09 | 101.96 |
| | | *For Stainless Steel, Add* | *1,596.17* | |
| | | *For Parallel Blade Damper, Add* | *491.13* | |
| 23 33 13 13-0169 | EA | 60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 454.18 | 42.49 |
| | | *For Stainless Steel, Add* | *424.54* | |
| | | *For Parallel Blade Damper, Add* | *130.63* | |
| 23 33 13 13-0170 | EA | 60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 499.58 | 46.71 |
| | | *For Stainless Steel, Add* | *466.97* | |
| | | *For Parallel Blade Damper, Add* | *143.68* | |
| 23 33 13 13-0171 | EA | 60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 525.38 | 51.05 |
| | | *For Stainless Steel, Add* | *483.91* | |
| | | *For Parallel Blade Damper, Add* | *148.90* | |
| 23 33 13 13-0172 | EA | 60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 544.73 | 55.25 |
| | | *For Stainless Steel, Add* | *492.48* | |
| | | *For Parallel Blade Damper, Add* | *151.53* | |
| 23 33 13 13-0173 | EA | 60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 596.67 | 59.47 |
| | | *For Stainless Steel, Add* | *543.41* | |
| | | *For Parallel Blade Damper, Add* | *167.20* | |
| 23 33 13 13-0174 | EA | 60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 648.56 | 63.81 |
| | | *For Stainless Steel, Add* | *594.28* | |
| | | *For Parallel Blade Damper, Add* | *182.86* | |
| 23 33 13 13-0175 | EA | 60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 703.77 | 68.02 |
| | | *For Stainless Steel, Add* | *649.47* | |
| | | *For Parallel Blade Damper, Add* | *199.84* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 13-0176 | EA | 60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 758.99 | 72.23 |
| | | *For Stainless Steel, Add* | *704.65* | |
| | | *For Parallel Blade Damper, Add* | *216.82* | |
| 23 33 13 13-0177 | EA | 60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 850.27 | 74.40 |
| | | *For Stainless Steel, Add* | *815.02* | |
| | | *For Parallel Blade Damper, Add* | *250.78* | |
| 23 33 13 13-0178 | EA | 60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 935.01 | 76.44 |
| | | *For Stainless Steel, Add* | *916.89* | |
| | | *For Parallel Blade Damper, Add* | *282.12* | |
| 23 33 13 13-0179 | EA | 60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,032.72 | 80.78 |
| | | *For Stainless Steel, Add* | *1,027.33* | |
| | | *For Parallel Blade Damper, Add* | *316.10* | |
| 23 33 13 13-0180 | EA | 60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,130.37 | 84.99 |
| | | *For Stainless Steel, Add* | *1,137.70* | |
| | | *For Parallel Blade Damper, Add* | *350.06* | |
| 23 33 13 13-0181 | EA | 60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,208.42 | 89.20 |
| | | *For Stainless Steel, Add* | *1,222.57* | |
| | | *For Parallel Blade Damper, Add* | *376.18* | |
| 23 33 13 13-0182 | EA | 60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,325.65 | 93.54 |
| | | *For Stainless Steel, Add* | *1,358.37* | |
| | | *For Parallel Blade Damper, Add* | *417.96* | |
| 23 33 13 13-0183 | EA | 60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,429.85 | 97.75 |
| | | *For Stainless Steel, Add* | *1,477.24* | |
| | | *For Parallel Blade Damper, Add* | *454.54* | |
| 23 33 13 13-0184 | EA | 60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,534.09 | 101.96 |
| | | *For Stainless Steel, Add* | *1,596.17* | |
| | | *For Parallel Blade Damper, Add* | *491.13* | |
| 23 33 13 13-0185 | EA | 60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,625.13 | 106.30 |
| | | *For Stainless Steel, Add* | *1,697.93* | |
| | | *For Parallel Blade Damper, Add* | *522.44* | |
| 23 33 13 13-0186 | EA | 60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation | 1,716.34 | 110.52 |
| | | *For Stainless Steel, Add* | *1,799.92* | |
| | | *For Parallel Blade Damper, Add* | *553.82* | |

## 23 33 13 16 Fire Dampers *(23 33 13)*

### 23 33 13 16-0001 Fire Dampers *(23 33 13 16)*

| | | | | |
|---|---|---|---|---|
| 23 33 13 16-0002 | SF | Curtain Type, Vertical, Fire Damper | 147.51 | 13.79 |
| | | *For Smoke Damper, Add* | *90.13* | |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *23.86* | |
| | | *For Dynamic Damper, Add* | *57.26* | |
| | | *For 3 Hour Rated, Add* | *31.81* | |
| 23 33 13 16-0003 | SF | Louver Type, Vertical, Fire Damper | 205.35 | 13.79 |
| | | *For Smoke Damper, Add* | *139.29* | |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *36.87* | |
| | | *For Dynamic Damper, Add* | *88.49* | |
| | | *For 3 Hour Rated, Add* | *49.16* | |

### 23 33 13 16-0004 Folding Curtain Fire Dampers *(23 33 13 16)*

Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

| | | | | |
|---|---|---|---|---|
| 23 33 13 16-0005 | EA | 6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 74.55 | 14.17 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *7.21* | |
| | | *For Dynamic Damper, Add* | *17.31* | |
| | | *For 3 Hour Rated, Add* | *9.62* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *8.02* | |
| 23 33 13 16-0006 | EA | 8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 78.75 | 14.80 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *7.73* | |
| | | *For Dynamic Damper, Add* | *18.54* | |
| | | *For 3 Hour Rated, Add* | *10.30* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *8.59* | |
| 23 33 13 16-0007 | EA | 8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 81.30 | 14.93 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *8.24* | |
| | | *For Dynamic Damper, Add* | *19.78* | |
| | | *For 3 Hour Rated, Add* | *10.99* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *9.16* | |
| 23 33 13 16-0008 | EA | 10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 81.30 | 14.93 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *8.24* | |
| | | *For Dynamic Damper, Add* | *19.78* | |
| | | *For 3 Hour Rated, Add* | *10.99* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *9.16* | |
| 23 33 13 16-0009 | EA | 10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 84.88 | 15.32 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *8.76* | |
| | | *For Dynamic Damper, Add* | *21.02* | |
| | | *For 3 Hour Rated, Add* | *11.68* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *9.73* | |
| 23 33 13 16-0010 | EA | 10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 94.55 | 16.98 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *9.79* | |
| | | *For Dynamic Damper, Add* | *23.49* | |
| | | *For 3 Hour Rated, Add* | *13.05* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *10.88* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0011 | EA | 12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 84.88 | 15.32 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *8.76* | |
| | | *For Dynamic Damper, Add* | *21.02* | |
| | | *For 3 Hour Rated, Add* | *11.68* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *9.73* | |
| 23 33 13 16-0012 | EA | 12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 91.99 | 16.21 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *9.79* | |
| | | *For Dynamic Damper, Add* | *23.49* | |
| | | *For 3 Hour Rated, Add* | *13.05* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *10.88* | |
| 23 33 13 16-0013 | EA | 12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 96.84 | 16.98 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *10.30* | |
| | | *For Dynamic Damper, Add* | *24.73* | |
| | | *For 3 Hour Rated, Add* | *13.74* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *11.45* | |
| 23 33 13 16-0014 | EA | 12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 105.52 | 19.14 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *10.82* | |
| | | *For Dynamic Damper, Add* | *25.97* | |
| | | *For 3 Hour Rated, Add* | *14.43* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *12.02* | |
| 23 33 13 16-0015 | EA | 14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 90.85 | 16.21 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *9.53* | |
| | | *For Dynamic Damper, Add* | *22.87* | |
| | | *For 3 Hour Rated, Add* | *12.71* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *10.59* | |
| 23 33 13 16-0016 | EA | 14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 96.84 | 16.98 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *10.30* | |
| | | *For Dynamic Damper, Add* | *24.73* | |
| | | *For 3 Hour Rated, Add* | *13.74* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *11.45* | |
| 23 33 13 16-0017 | EA | 14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 101.68 | 17.86 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *10.82* | |
| | | *For Dynamic Damper, Add* | *25.97* | |
| | | *For 3 Hour Rated, Add* | *14.43* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *12.02* | |
| 23 33 13 16-0018 | EA | 14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 107.81 | 19.14 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *11.34* | |
| | | *For Dynamic Damper, Add* | *27.21* | |
| | | *For 3 Hour Rated, Add* | *15.11* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *12.60* | |
| 23 33 13 16-0019 | EA | 14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 119.92 | 21.31 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *12.62* | |
| | | *For Dynamic Damper, Add* | *30.30* | |
| | | *For 3 Hour Rated, Add* | *16.83* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *14.03* | |
| 23 33 13 16-0020 | EA | 16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 96.84 | 16.98 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *10.30* | |
| | | *For Dynamic Damper, Add* | *24.73* | |
| | | *For 3 Hour Rated, Add* | *13.74* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *11.45* | |
| 23 33 13 16-0021 | EA | 16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 102.96 | 18.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *10.82* | |
| | | *For Dynamic Damper, Add* | *25.97* | |
| | | *For 3 Hour Rated, Add* | *14.43* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *12.02* | |
| 23 33 13 16-0022 | EA | 16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 110.36 | 20.03 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *11.34* | |
| | | *For Dynamic Damper, Add* | *27.21* | |
| | | *For 3 Hour Rated, Add* | *15.11* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *12.60* | |
| 23 33 13 16-0023 | EA | 16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 116.47 | 21.31 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *11.85* | |
| | | *For Dynamic Damper, Add* | *28.44* | |
| | | *For 3 Hour Rated, Add* | *15.80* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *13.17* | |
| 23 33 13 16-0024 | EA | 16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 128.59 | 23.35 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *13.14* | |
| | | *For Dynamic Damper, Add* | *31.54* | |
| | | *For 3 Hour Rated, Add* | *17.52* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *14.60* | |
| 23 33 13 16-0025 | EA | 16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 140.70 | 25.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *14.43* | |
| | | *For Dynamic Damper, Add* | *34.63* | |
| | | *For 3 Hour Rated, Add* | *19.24* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *16.03* | |
| 23 33 13 16-0026 | EA | 18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 101.68 | 17.86 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *10.82* | |
| | | *For Dynamic Damper, Add* | *25.97* | |
| | | *For 3 Hour Rated, Add* | *14.43* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *12.02* | |
| 23 33 13 16-0027 | EA | 18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 108.95 | 19.14 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *11.59* | |
| | | *For Dynamic Damper, Add* | *27.82* | |
| | | *For 3 Hour Rated, Add* | *15.46* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *12.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0028 | EA | 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 118.78 | 21.31 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *12.37* | |
| | | *For Dynamic Damper, Add* | *29.68* | |
| | | *For 3 Hour Rated, Add* | *16.49* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *13.74* | |
| 23 33 13 16-0029 | EA | 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 130.88 | 23.35 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *13.66* | |
| | | *For Dynamic Damper, Add* | *32.77* | |
| | | *For 3 Hour Rated, Add* | *18.21* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *15.17* | |
| 23 33 13 16-0030 | EA | 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 141.83 | 25.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *14.68* | |
| | | *For Dynamic Damper, Add* | *35.24* | |
| | | *For 3 Hour Rated, Add* | *19.58* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *16.32* | |
| 23 33 13 16-0031 | EA | 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 153.93 | 27.56 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *15.97* | |
| | | *For Dynamic Damper, Add* | *38.33* | |
| | | *For 3 Hour Rated, Add* | *21.30* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *17.75* | |
| 23 33 13 16-0032 | EA | 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 163.74 | 29.73 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *16.74* | |
| | | *For Dynamic Damper, Add* | *40.19* | |
| | | *For 3 Hour Rated, Add* | *22.33* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *18.61* | |
| 23 33 13 16-0033 | EA | 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 107.81 | 19.14 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *11.34* | |
| | | *For Dynamic Damper, Add* | *27.21* | |
| | | *For 3 Hour Rated, Add* | *15.11* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *12.60* | |
| 23 33 13 16-0034 | EA | 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 118.76 | 21.31 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *12.36* | |
| | | *For Dynamic Damper, Add* | *29.67* | |
| | | *For 3 Hour Rated, Add* | *16.49* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *13.74* | |
| 23 33 13 16-0035 | EA | 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 129.73 | 23.35 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *13.40* | |
| | | *For Dynamic Damper, Add* | *32.15* | |
| | | *For 3 Hour Rated, Add* | *17.86* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *14.89* | |
| 23 33 13 16-0036 | EA | 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 145.28 | 25.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *15.46* | |
| | | *For Dynamic Damper, Add* | *37.10* | |
| | | *For 3 Hour Rated, Add* | *20.61* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *17.18* | |
| 23 33 13 16-0037 | EA | 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 155.09 | 27.56 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *16.23* | |
| | | *For Dynamic Damper, Add* | *38.96* | |
| | | *For 3 Hour Rated, Add* | *21.65* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *18.04* | |
| 23 33 13 16-0038 | EA | 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 164.90 | 29.73 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *17.01* | |
| | | *For Dynamic Damper, Add* | *40.81* | |
| | | *For 3 Hour Rated, Add* | *22.67* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *18.90* | |
| 23 33 13 16-0039 | EA | 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 175.86 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *18.03* | |
| | | *For Dynamic Damper, Add* | *43.28* | |
| | | *For 3 Hour Rated, Add* | *24.05* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *20.04* | |
| 23 33 13 16-0040 | EA | 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 186.81 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *19.06* | |
| | | *For Dynamic Damper, Add* | *45.75* | |
| | | *For 3 Hour Rated, Add* | *25.42* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *21.18* | |
| 23 33 13 16-0041 | EA | 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 121.05 | 21.31 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *12.88* | |
| | | *For Dynamic Damper, Add* | *30.91* | |
| | | *For 3 Hour Rated, Add* | *17.17* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *14.31* | |
| 23 33 13 16-0042 | EA | 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 134.32 | 23.35 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *14.43* | |
| | | *For Dynamic Damper, Add* | *34.63* | |
| | | *For 3 Hour Rated, Add* | *19.24* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *16.03* | |
| 23 33 13 16-0043 | EA | 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 145.28 | 25.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *15.46* | |
| | | *For Dynamic Damper, Add* | *37.10* | |
| | | *For 3 Hour Rated, Add* | *20.61* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *17.18* | |
| 23 33 13 16-0044 | EA | 24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 158.52 | 27.56 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *17.01* | |
| | | *For Dynamic Damper, Add* | *40.81* | |
| | | *For 3 Hour Rated, Add* | *22.67* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *18.90* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0045 | EA | 24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 168.33 | 29.73 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *17.78* | |
| | | *For Dynamic Damper, Add* | *42.67* | |
| | | *For 3 Hour Rated, Add* | *23.70* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *19.75* | |
| 23 33 13 16-0046 | EA | 24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 178.15 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *18.55* | |
| | | *For Dynamic Damper, Add* | *44.52* | |
| | | *For 3 Hour Rated, Add* | *24.73* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *20.61* | |
| 23 33 13 16-0047 | EA | 24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 191.40 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *20.09* | |
| | | *For Dynamic Damper, Add* | *48.23* | |
| | | *For 3 Hour Rated, Add* | *26.79* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *22.33* | |
| 23 33 13 16-0048 | EA | 24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 211.02 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *21.64* | |
| | | *For Dynamic Damper, Add* | *51.93* | |
| | | *For 3 Hour Rated, Add* | *28.85* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *24.04* | |
| 23 33 13 16-0049 | EA | 24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 232.96 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *23.70* | |
| | | *For Dynamic Damper, Add* | *56.89* | |
| | | *For 3 Hour Rated, Add* | *31.61* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *26.34* | |
| 23 33 13 16-0050 | EA | 28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 134.32 | 23.35 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *14.43* | |
| | | *For Dynamic Damper, Add* | *34.63* | |
| | | *For 3 Hour Rated, Add* | *19.24* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *16.03* | |
| 23 33 13 16-0051 | EA | 28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 145.28 | 25.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *15.46* | |
| | | *For Dynamic Damper, Add* | *37.10* | |
| | | *For 3 Hour Rated, Add* | *20.61* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *17.18* | |
| 23 33 13 16-0052 | EA | 28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 158.52 | 27.56 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *17.01* | |
| | | *For Dynamic Damper, Add* | *40.81* | |
| | | *For 3 Hour Rated, Add* | *22.67* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *18.90* | |
| 23 33 13 16-0053 | EA | 28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 169.47 | 29.73 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *18.03* | |
| | | *For Dynamic Damper, Add* | *43.28* | |
| | | *For 3 Hour Rated, Add* | *24.05* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *20.04* | |
| 23 33 13 16-0054 | EA | 28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 181.58 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *19.32* | |
| | | *For Dynamic Damper, Add* | *46.37* | |
| | | *For 3 Hour Rated, Add* | *25.76* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *21.47* | |
| 23 33 13 16-0055 | EA | 28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 193.67 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *20.61* | |
| | | *For Dynamic Damper, Add* | *49.45* | |
| | | *For 3 Hour Rated, Add* | *27.47* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *22.90* | |
| 23 33 13 16-0056 | EA | 28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 213.31 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *22.15* | |
| | | *For Dynamic Damper, Add* | *53.17* | |
| | | *For 3 Hour Rated, Add* | *29.54* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *24.62* | |
| 23 33 13 16-0057 | EA | 28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 232.96 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *23.70* | |
| | | *For Dynamic Damper, Add* | *56.89* | |
| | | *For 3 Hour Rated, Add* | *31.61* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *26.34* | |
| 23 33 13 16-0058 | EA | 28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 253.06 | 44.67 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *26.79* | |
| | | *For Dynamic Damper, Add* | *64.30* | |
| | | *For 3 Hour Rated, Add* | *35.72* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *29.77* | |
| 23 33 13 16-0059 | EA | 28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 277.28 | 48.87 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *29.37* | |
| | | *For Dynamic Damper, Add* | *70.49* | |
| | | *For 3 Hour Rated, Add* | *39.16* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *32.63* | |
| 23 33 13 16-0060 | EA | 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 152.15 | 25.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *17.01* | |
| | | *For Dynamic Damper, Add* | *40.81* | |
| | | *For 3 Hour Rated, Add* | *22.67* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *18.90* | |
| 23 33 13 16-0061 | EA | 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 160.79 | 27.56 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *17.52* | |
| | | *For Dynamic Damper, Add* | *42.04* | |
| | | *For 3 Hour Rated, Add* | *23.36* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *19.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0062 | EA | 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 169.47 | 29.73 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *18.03* | |
| | | *For Dynamic Damper, Add* | *43.28* | |
| | | *For 3 Hour Rated, Add* | *24.05* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *20.04* | |
| 23 33 13 16-0063 | EA | 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 180.43 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *19.06* | |
| | | *For Dynamic Damper, Add* | *45.75* | |
| | | *For 3 Hour Rated, Add* | *25.42* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *21.18* | |
| 23 33 13 16-0064 | EA | 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 194.11 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *20.70* | |
| | | *For Dynamic Damper, Add* | *49.69* | |
| | | *For 3 Hour Rated, Add* | *27.61* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *23.01* | |
| 23 33 13 16-0065 | EA | 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 213.31 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *22.15* | |
| | | *For Dynamic Damper, Add* | *53.17* | |
| | | *For 3 Hour Rated, Add* | *29.54* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *24.62* | |
| 23 33 13 16-0066 | EA | 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 235.25 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *24.22* | |
| | | *For Dynamic Damper, Add* | *58.13* | |
| | | *For 3 Hour Rated, Add* | *32.29* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *26.91* | |
| 23 33 13 16-0067 | EA | 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 257.17 | 46.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *26.28* | |
| | | *For Dynamic Damper, Add* | *63.07* | |
| | | *For 3 Hour Rated, Add* | *35.04* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *29.20* | |
| 23 33 13 16-0068 | EA | 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 277.28 | 48.87 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *29.37* | |
| | | *For Dynamic Damper, Add* | *70.49* | |
| | | *For 3 Hour Rated, Add* | *39.16* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *32.63* | |
| 23 33 13 16-0069 | EA | 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 303.53 | 52.32 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *32.98* | |
| | | *For Dynamic Damper, Add* | *79.15* | |
| | | *For 3 Hour Rated, Add* | *43.97* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *36.64* | |
| 23 33 13 16-0070 | EA | 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 330.78 | 55.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *37.10* | |
| | | *For Dynamic Damper, Add* | *89.04* | |
| | | *For 3 Hour Rated, Add* | *49.46* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *41.22* | |
| 23 33 13 16-0071 | EA | 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 165.38 | 27.56 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *18.55* | |
| | | *For Dynamic Damper, Add* | *44.52* | |
| | | *For 3 Hour Rated, Add* | *24.73* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *20.61* | |
| 23 33 13 16-0072 | EA | 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 176.33 | 29.73 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *19.58* | |
| | | *For Dynamic Damper, Add* | *46.99* | |
| | | *For 3 Hour Rated, Add* | *26.10* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *21.75* | |
| 23 33 13 16-0073 | EA | 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 187.29 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *20.61* | |
| | | *For Dynamic Damper, Add* | *49.45* | |
| | | *For 3 Hour Rated, Add* | *27.47* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *22.90* | |
| 23 33 13 16-0074 | EA | 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 200.55 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *22.15* | |
| | | *For Dynamic Damper, Add* | *53.17* | |
| | | *For 3 Hour Rated, Add* | *29.54* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *24.62* | |
| 23 33 13 16-0075 | EA | 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 216.76 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *22.93* | |
| | | *For Dynamic Damper, Add* | *55.03* | |
| | | *For 3 Hour Rated, Add* | *30.57* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *25.48* | |
| 23 33 13 16-0076 | EA | 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 226.58 | 40.33 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *23.70* | |
| | | *For Dynamic Damper, Add* | *56.89* | |
| | | *For 3 Hour Rated, Add* | *31.61* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *26.34* | |
| 23 33 13 16-0077 | EA | 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 257.17 | 46.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *26.28* | |
| | | *For Dynamic Damper, Add* | *63.07* | |
| | | *For 3 Hour Rated, Add* | *35.04* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *29.20* | |
| 23 33 13 16-0078 | EA | 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 281.37 | 51.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *28.85* | |
| | | *For Dynamic Damper, Add* | *69.24* | |
| | | *For 3 Hour Rated, Add* | *38.47* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *32.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0079 | EA | 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 239.37 | 52.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *18.25* | |
| | | *For Dynamic Damper, Add* | *43.81* | |
| | | *For 3 Hour Rated, Add* | *24.34* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *20.28* | |
| 23 33 13 16-0080 | EA | 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 330.02 | 56.53 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *36.07* | |
| | | *For Dynamic Damper, Add* | *86.56* | |
| | | *For 3 Hour Rated, Add* | *48.09* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *40.08* | |
| 23 33 13 16-0081 | EA | 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 354.98 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *39.67* | |
| | | *For Dynamic Damper, Add* | *95.21* | |
| | | *For 3 Hour Rated, Add* | *52.90* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *44.08* | |
| 23 33 13 16-0082 | EA | 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 379.67 | 61.63 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *43.79* | |
| | | *For Dynamic Damper, Add* | *105.10* | |
| | | *For 3 Hour Rated, Add* | *58.39* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *48.66* | |
| 23 33 13 16-0083 | EA | 40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 174.04 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *19.06* | |
| | | *For Dynamic Damper, Add* | *45.75* | |
| | | *For 3 Hour Rated, Add* | *25.42* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *21.18* | |
| 23 33 13 16-0084 | EA | 40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 189.59 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *21.12* | |
| | | *For Dynamic Damper, Add* | *50.70* | |
| | | *For 3 Hour Rated, Add* | *28.16* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *23.47* | |
| 23 33 13 16-0085 | EA | 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 198.26 | 36.11 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *21.64* | |
| | | *For Dynamic Damper, Add* | *51.93* | |
| | | *For 3 Hour Rated, Add* | *28.85* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *24.04* | |
| 23 33 13 16-0086 | EA | 40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 206.93 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *22.15* | |
| | | *For Dynamic Damper, Add* | *53.17* | |
| | | *For 3 Hour Rated, Add* | *29.54* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *24.62* | |
| 23 33 13 16-0087 | EA | 40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 227.71 | 40.33 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *23.96* | |
| | | *For Dynamic Damper, Add* | *57.50* | |
| | | *For 3 Hour Rated, Add* | *31.94* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *26.62* | |
| 23 33 13 16-0088 | EA | 40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 242.11 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *25.76* | |
| | | *For Dynamic Damper, Add* | *61.83* | |
| | | *For 3 Hour Rated, Add* | *34.35* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *28.63* | |
| 23 33 13 16-0089 | EA | 40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 270.41 | 48.87 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *27.82* | |
| | | *For Dynamic Damper, Add* | *66.78* | |
| | | *For 3 Hour Rated, Add* | *37.10* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *30.92* | |
| 23 33 13 16-0090 | EA | 40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 292.34 | 53.09 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *29.88* | |
| | | *For Dynamic Damper, Add* | *71.72* | |
| | | *For 3 Hour Rated, Add* | *39.85* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *33.21* | |
| 23 33 13 16-0091 | EA | 40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 316.29 | 56.53 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *32.98* | |
| | | *For Dynamic Damper, Add* | *79.15* | |
| | | *For 3 Hour Rated, Add* | *43.97* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *36.64* | |
| 23 33 13 16-0092 | EA | 40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 350.41 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *38.64* | |
| | | *For Dynamic Damper, Add* | *92.75* | |
| | | *For 3 Hour Rated, Add* | *51.53* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *42.94* | |
| 23 33 13 16-0093 | EA | 40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 374.35 | 62.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *41.73* | |
| | | *For Dynamic Damper, Add* | *100.16* | |
| | | *For 3 Hour Rated, Add* | *55.64* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *46.37* | |
| 23 33 13 16-0094 | EA | 40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 404.64 | 64.57 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *47.40* | |
| | | *For Dynamic Damper, Add* | *113.76* | |
| | | *For 3 Hour Rated, Add* | *63.20* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *52.67* | |
| 23 33 13 16-0095 | EA | 40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 437.76 | 68.02 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *52.56* | |
| | | *For Dynamic Damper, Add* | *126.13* | |
| | | *For 3 Hour Rated, Add* | *70.07* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *58.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0096 | EA | 44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 185.02 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *20.09* | |
| | | *For Dynamic Damper, Add* | *48.23* | |
| | | *For 3 Hour Rated, Add* | *26.79* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *22.33* | |
| 23 33 13 16-0097 | EA | 44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 200.55 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *22.15* | |
| | | *For Dynamic Damper, Add* | *53.17* | |
| | | *For 3 Hour Rated, Add* | *29.54* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *24.62* | |
| 23 33 13 16-0098 | EA | 44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 213.82 | 36.11 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *23.70* | |
| | | *For Dynamic Damper, Add* | *56.89* | |
| | | *For 3 Hour Rated, Add* | *31.61* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *26.34* | |
| 23 33 13 16-0099 | EA | 44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 222.49 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *24.22* | |
| | | *For Dynamic Damper, Add* | *58.13* | |
| | | *For 3 Hour Rated, Add* | *32.29* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *26.91* | |
| 23 33 13 16-0100 | EA | 44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 238.03 | 40.33 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *26.28* | |
| | | *For Dynamic Damper, Add* | *63.07* | |
| | | *For 3 Hour Rated, Add* | *35.04* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *29.20* | |
| 23 33 13 16-0101 | EA | 44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 253.57 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *28.34* | |
| | | *For Dynamic Damper, Add* | *68.02* | |
| | | *For 3 Hour Rated, Add* | *37.79* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *31.49* | |
| 23 33 13 16-0102 | EA | 44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 290.55 | 51.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *30.92* | |
| | | *For Dynamic Damper, Add* | *74.20* | |
| | | *For 3 Hour Rated, Add* | *41.22* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *34.35* | |
| 23 33 13 16-0103 | EA | 44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 314.74 | 55.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *33.49* | |
| | | *For Dynamic Damper, Add* | *80.37* | |
| | | *For 3 Hour Rated, Add* | *44.65* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *37.21* | |
| 23 33 13 16-0104 | EA | 44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 350.41 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *38.64* | |
| | | *For Dynamic Damper, Add* | *92.75* | |
| | | *For 3 Hour Rated, Add* | *51.53* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *42.94* | |
| 23 33 13 16-0105 | EA | 44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 383.78 | 63.81 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *43.28* | |
| | | *For Dynamic Damper, Add* | *103.87* | |
| | | *For 3 Hour Rated, Add* | *57.71* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *48.09* | |
| 23 33 13 16-0106 | EA | 44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 419.43 | 68.02 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *48.43* | |
| | | *For Dynamic Damper, Add* | *116.24* | |
| | | *For 3 Hour Rated, Add* | *64.58* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *53.81* | |
| 23 33 13 16-0107 | EA | 44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 446.42 | 70.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *53.07* | |
| | | *For Dynamic Damper, Add* | *127.36* | |
| | | *For 3 Hour Rated, Add* | *70.76* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *58.97* | |
| 23 33 13 16-0108 | EA | 44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 473.42 | 72.23 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *57.71* | |
| | | *For Dynamic Damper, Add* | *138.49* | |
| | | *For 3 Hour Rated, Add* | *76.94* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *64.12* | |
| 23 33 13 16-0109 | EA | 44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 500.42 | 74.40 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *62.35* | |
| | | *For Dynamic Damper, Add* | *149.63* | |
| | | *For 3 Hour Rated, Add* | *83.13* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *69.27* | |
| 23 33 13 16-0110 | EA | 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 198.26 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *21.64* | |
| | | *For Dynamic Damper, Add* | *51.93* | |
| | | *For 3 Hour Rated, Add* | *28.85* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *24.04* | |
| 23 33 13 16-0111 | EA | 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 213.82 | 36.11 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *23.70* | |
| | | *For Dynamic Damper, Add* | *56.89* | |
| | | *For 3 Hour Rated, Add* | *31.61* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *26.34* | |
| 23 33 13 16-0112 | EA | 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 222.49 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *24.22* | |
| | | *For Dynamic Damper, Add* | *58.13* | |
| | | *For 3 Hour Rated, Add* | *32.29* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *26.91* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0113 | EA | 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 242.11 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *25.76* | |
| | | *For Dynamic Damper, Add* | *61.83* | |
| | | *For 3 Hour Rated, Add* | *34.35* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *28.63* | |
| 23 33 13 16-0114 | EA | 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 264.03 | 46.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *27.82* | |
| | | *For Dynamic Damper, Add* | *66.78* | |
| | | *For 3 Hour Rated, Add* | *37.10* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *30.92* | |
| 23 33 13 16-0115 | EA | 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 285.96 | 51.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *29.88* | |
| | | *For Dynamic Damper, Add* | *71.72* | |
| | | *For 3 Hour Rated, Add* | *39.85* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *33.21* | |
| 23 33 13 16-0116 | EA | 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 312.47 | 55.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *32.98* | |
| | | *For Dynamic Damper, Add* | *79.15* | |
| | | *For 3 Hour Rated, Add* | *43.97* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *36.64* | |
| 23 33 13 16-0117 | EA | 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 338.96 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *36.07* | |
| | | *For Dynamic Damper, Add* | *86.56* | |
| | | *For 3 Hour Rated, Add* | *48.09* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *40.08* | |
| 23 33 13 16-0118 | EA | 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 372.33 | 63.81 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *40.70* | |
| | | *For Dynamic Damper, Add* | *97.69* | |
| | | *For 3 Hour Rated, Add* | *54.27* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *45.23* | |
| 23 33 13 16-0119 | EA | 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 410.27 | 68.02 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *46.37* | |
| | | *For Dynamic Damper, Add* | *111.29* | |
| | | *For 3 Hour Rated, Add* | *61.83* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *51.52* | |
| 23 33 13 16-0120 | EA | 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 437.27 | 70.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *51.01* | |
| | | *For Dynamic Damper, Add* | *122.42* | |
| | | *For 3 Hour Rated, Add* | *68.01* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *56.68* | |
| 23 33 13 16-0121 | EA | 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 471.12 | 72.23 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *57.19* | |
| | | *For Dynamic Damper, Add* | *137.25* | |
| | | *For 3 Hour Rated, Add* | *76.25* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *63.54* | |
| 23 33 13 16-0122 | EA | 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 504.51 | 76.44 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *61.83* | |
| | | *For Dynamic Damper, Add* | *148.39* | |
| | | *For 3 Hour Rated, Add* | *82.44* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *68.70* | |
| 23 33 13 16-0123 | EA | 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 538.36 | 78.61 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *68.01* | |
| | | *For Dynamic Damper, Add* | *163.23* | |
| | | *For 3 Hour Rated, Add* | *90.68* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *75.57* | |
| 23 33 13 16-0124 | EA | 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 575.81 | 84.99 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *72.13* | |
| | | *For Dynamic Damper, Add* | *173.12* | |
| | | *For 3 Hour Rated, Add* | *96.18* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *80.15* | |
| 23 33 13 16-0125 | EA | 52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 211.52 | 36.11 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *23.19* | |
| | | *For Dynamic Damper, Add* | *55.65* | |
| | | *For 3 Hour Rated, Add* | *30.92* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *25.76* | |
| 23 33 13 16-0126 | EA | 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 227.06 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *25.25* | |
| | | *For Dynamic Damper, Add* | *60.59* | |
| | | *For 3 Hour Rated, Add* | *33.66* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *28.05* | |
| 23 33 13 16-0127 | EA | 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 248.98 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *27.31* | |
| | | *For Dynamic Damper, Add* | *65.54* | |
| | | *For 3 Hour Rated, Add* | *36.41* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *30.34* | |
| 23 33 13 16-0128 | EA | 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 264.03 | 46.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *27.82* | |
| | | *For Dynamic Damper, Add* | *66.78* | |
| | | *For 3 Hour Rated, Add* | *37.10* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *30.92* | |
| 23 33 13 16-0129 | EA | 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 287.12 | 51.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *30.15* | |
| | | *For Dynamic Damper, Add* | *72.35* | |
| | | *For 3 Hour Rated, Add* | *40.19* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *33.50* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0130 | EA | 52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 310.17 | 55.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *32.46* | |
| | | *For Dynamic Damper, Add* | *77.91* | |
| | | *For 3 Hour Rated, Add* | *43.28* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *36.07* | |
| 23 33 13 16-0131 | EA | 52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 336.68 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *35.55* | |
| | | *For Dynamic Damper, Add* | *85.33* | |
| | | *For 3 Hour Rated, Add* | *47.41* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *39.51* | |
| 23 33 13 16-0132 | EA | 52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 363.17 | 63.81 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *38.64* | |
| | | *For Dynamic Damper, Add* | *92.75* | |
| | | *For 3 Hour Rated, Add* | *51.53* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *42.94* | |
| 23 33 13 16-0133 | EA | 52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 396.54 | 68.02 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *43.28* | |
| | | *For Dynamic Damper, Add* | *103.87* | |
| | | *For 3 Hour Rated, Add* | *57.71* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *48.09* | |
| 23 33 13 16-0134 | EA | 52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 436.78 | 72.23 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *49.46* | |
| | | *For Dynamic Damper, Add* | *118.71* | |
| | | *For 3 Hour Rated, Add* | *65.95* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *54.96* | |
| 23 33 13 16-0135 | EA | 52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 466.05 | 74.40 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *54.61* | |
| | | *For Dynamic Damper, Add* | *131.07* | |
| | | *For 3 Hour Rated, Add* | *72.82* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *60.68* | |
| 23 33 13 16-0136 | EA | 52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 502.22 | 76.44 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *61.31* | |
| | | *For Dynamic Damper, Add* | *147.16* | |
| | | *For 3 Hour Rated, Add* | *81.75* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *68.13* | |
| 23 33 13 16-0137 | EA | 52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 542.43 | 80.78 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *67.49* | |
| | | *For Dynamic Damper, Add* | *161.98* | |
| | | *For 3 Hour Rated, Add* | *89.99* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *74.99* | |
| 23 33 13 16-0138 | EA | 52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 575.81 | 84.99 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *72.13* | |
| | | *For Dynamic Damper, Add* | *173.12* | |
| | | *For 3 Hour Rated, Add* | *96.18* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *80.15* | |
| 23 33 13 16-0139 | EA | 52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 622.44 | 91.37 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *78.32* | |
| | | *For Dynamic Damper, Add* | *187.96* | |
| | | *For 3 Hour Rated, Add* | *104.42* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *87.02* | |
| 23 33 13 16-0140 | EA | 52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 658.10 | 95.58 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *83.47* | |
| | | *For Dynamic Damper, Add* | *200.32* | |
| | | *For 3 Hour Rated, Add* | *111.29* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *92.74* | |
| 23 33 13 16-0141 | EA | 56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 222.49 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *24.22* | |
| | | *For Dynamic Damper, Add* | *58.13* | |
| | | *For 3 Hour Rated, Add* | *32.29* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *26.91* | |
| 23 33 13 16-0142 | EA | 56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 246.68 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *26.79* | |
| | | *For Dynamic Damper, Add* | *64.30* | |
| | | *For 3 Hour Rated, Add* | *35.72* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *29.77* | |
| 23 33 13 16-0143 | EA | 56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 266.33 | 46.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *28.34* | |
| | | *For Dynamic Damper, Add* | *68.02* | |
| | | *For 3 Hour Rated, Add* | *37.79* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *31.49* | |
| 23 33 13 16-0144 | EA | 56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 281.37 | 51.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *28.85* | |
| | | *For Dynamic Damper, Add* | *69.24* | |
| | | *For 3 Hour Rated, Add* | *38.47* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *32.06* | |
| 23 33 13 16-0145 | EA | 56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 306.74 | 55.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *31.69* | |
| | | *For Dynamic Damper, Add* | *76.05* | |
| | | *For 3 Hour Rated, Add* | *42.25* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *35.21* | |
| 23 33 13 16-0146 | EA | 56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 332.09 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *34.52* | |
| | | *For Dynamic Damper, Add* | *82.85* | |
| | | *For 3 Hour Rated, Add* | *46.03* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *38.36* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0147 | EA | 56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 357.44 | 63.81 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *37.35* | |
| | | *For Dynamic Damper, Add* | *89.65* | |
| | | *For 3 Hour Rated, Add* | *49.81* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *41.51* | |
| 23 33 13 16-0148 | EA | 56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 382.79 | 68.02 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *40.19* | |
| | | *For Dynamic Damper, Add* | *96.45* | |
| | | *For 3 Hour Rated, Add* | *53.58* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *44.65* | |
| 23 33 13 16-0149 | EA | 56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 423.04 | 72.23 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *46.37* | |
| | | *For Dynamic Damper, Add* | *111.29* | |
| | | *For 3 Hour Rated, Add* | *61.83* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *51.52* | |
| 23 33 13 16-0150 | EA | 56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 456.91 | 74.40 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *52.56* | |
| | | *For Dynamic Damper, Add* | *126.13* | |
| | | *For 3 Hour Rated, Add* | *70.07* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *58.40* | |
| 23 33 13 16-0151 | EA | 56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 488.47 | 76.44 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *58.22* | |
| | | *For Dynamic Damper, Add* | *139.73* | |
| | | *For 3 Hour Rated, Add* | *77.63* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *64.69* | |
| 23 33 13 16-0152 | EA | 56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 533.29 | 80.78 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *65.43* | |
| | | *For Dynamic Damper, Add* | *157.04* | |
| | | *For 3 Hour Rated, Add* | *87.25* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *72.71* | |
| 23 33 13 16-0153 | EA | 56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 573.52 | 84.99 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *71.62* | |
| | | *For Dynamic Damper, Add* | *171.88* | |
| | | *For 3 Hour Rated, Add* | *95.49* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *79.58* | |
| 23 33 13 16-0154 | EA | 56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 616.05 | 89.20 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *78.32* | |
| | | *For Dynamic Damper, Add* | *187.96* | |
| | | *For 3 Hour Rated, Add* | *104.42* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *87.02* | |
| 23 33 13 16-0155 | EA | 56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 651.72 | 93.54 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *83.47* | |
| | | *For Dynamic Damper, Add* | *200.32* | |
| | | *For 3 Hour Rated, Add* | *111.29* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *92.74* | |
| 23 33 13 16-0156 | EA | 56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 694.25 | 97.75 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *90.17* | |
| | | *For Dynamic Damper, Add* | *216.40* | |
| | | *For 3 Hour Rated, Add* | *120.22* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *100.19* | |
| 23 33 13 16-0157 | EA | 56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 736.78 | 101.96 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *96.86* | |
| | | *For Dynamic Damper, Add* | *232.48* | |
| | | *For 3 Hour Rated, Add* | *129.15* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *107.63* | |
| 23 33 13 16-0158 | EA | 60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 242.11 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *25.76* | |
| | | *For Dynamic Damper, Add* | *61.83* | |
| | | *For 3 Hour Rated, Add* | *34.35* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *28.63* | |
| 23 33 13 16-0159 | EA | 60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 266.33 | 46.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *28.34* | |
| | | *For Dynamic Damper, Add* | *68.02* | |
| | | *For 3 Hour Rated, Add* | *37.79* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *31.49* | |
| 23 33 13 16-0160 | EA | 60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 283.67 | 51.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *29.37* | |
| | | *For Dynamic Damper, Add* | *70.49* | |
| | | *For 3 Hour Rated, Add* | *39.16* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *32.63* | |
| 23 33 13 16-0161 | EA | 60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 298.72 | 55.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *29.88* | |
| | | *For Dynamic Damper, Add* | *71.72* | |
| | | *For 3 Hour Rated, Add* | *39.85* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *33.21* | |
| 23 33 13 16-0162 | EA | 60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 325.23 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *32.98* | |
| | | *For Dynamic Damper, Add* | *79.15* | |
| | | *For 3 Hour Rated, Add* | *43.97* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *36.64* | |
| 23 33 13 16-0163 | EA | 60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 351.72 | 63.81 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *36.07* | |
| | | *For Dynamic Damper, Add* | *86.56* | |
| | | *For 3 Hour Rated, Add* | *48.09* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *40.08* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0164 | EA | 60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 379.36 | 68.02 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *39.42* | |
| | | *For Dynamic Damper, Add* | *94.60* | |
| | | *For 3 Hour Rated, Add* | *52.55* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *43.80* | |
| 23 33 13 16-0165 | EA | 60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 407.01 | 72.23 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *42.76* | |
| | | *For Dynamic Damper, Add* | *102.63* | |
| | | *For 3 Hour Rated, Add* | *57.02* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *47.52* | |
| 23 33 13 16-0166 | EA | 60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 443.16 | 74.40 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *49.46* | |
| | | *For Dynamic Damper, Add* | *118.71* | |
| | | *For 3 Hour Rated, Add* | *65.95* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *54.96* | |
| 23 33 13 16-0167 | EA | 60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 477.02 | 76.44 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *55.64* | |
| | | *For Dynamic Damper, Add* | *133.55* | |
| | | *For 3 Hour Rated, Add* | *74.19* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *61.83* | |
| 23 33 13 16-0168 | EA | 60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 519.56 | 80.78 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *62.35* | |
| | | *For Dynamic Damper, Add* | *149.63* | |
| | | *For 3 Hour Rated, Add* | *83.13* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *69.27* | |
| 23 33 13 16-0169 | EA | 60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 562.08 | 84.99 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *69.04* | |
| | | *For Dynamic Damper, Add* | *165.70* | |
| | | *For 3 Hour Rated, Add* | *92.06* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *76.72* | |
| 23 33 13 16-0170 | EA | 60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 597.73 | 89.20 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *74.19* | |
| | | *For Dynamic Damper, Add* | *178.07* | |
| | | *For 3 Hour Rated, Add* | *98.93* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *82.44* | |
| 23 33 13 16-0171 | EA | 60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 647.13 | 93.54 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *82.44* | |
| | | *For Dynamic Damper, Add* | *197.85* | |
| | | *For 3 Hour Rated, Add* | *109.91* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *91.60* | |
| 23 33 13 16-0172 | EA | 60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 691.96 | 97.75 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *89.65* | |
| | | *For Dynamic Damper, Add* | *215.16* | |
| | | *For 3 Hour Rated, Add* | *119.54* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *99.61* | |
| 23 33 13 16-0173 | EA | 60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 736.78 | 101.96 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *96.86* | |
| | | *For Dynamic Damper, Add* | *232.48* | |
| | | *For 3 Hour Rated, Add* | *129.15* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *107.63* | |
| 23 33 13 16-0174 | EA | 60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 777.00 | 106.30 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *103.04* | |
| | | *For Dynamic Damper, Add* | *247.30* | |
| | | *For 3 Hour Rated, Add* | *137.39* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *114.49* | |
| 23 33 13 16-0175 | EA | 60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 817.27 | 110.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *109.23* | |
| | | *For Dynamic Damper, Add* | *262.16* | |
| | | *For 3 Hour Rated, Add* | *145.64* | |
| | | *For Cap Of Damper Blades Outside Air Stream, Add* | *121.37* | |

## 23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

| | | | | |
|---|---|---|---|---|
| 23 33 13 16-0177 | EA | 6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 108.84 | 14.17 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *14.93* | |
| | | *For Dynamic Damper, Add* | *35.83* | |
| | | *For 3 Hour Rated, Add* | *19.91* | |
| 23 33 13 16-0178 | EA | 8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 113.60 | 14.80 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *15.57* | |
| | | *For Dynamic Damper, Add* | *37.36* | |
| | | *For 3 Hour Rated, Add* | *20.76* | |
| 23 33 13 16-0179 | EA | 8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 116.73 | 14.93 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *16.21* | |
| | | *For Dynamic Damper, Add* | *38.91* | |
| | | *For 3 Hour Rated, Add* | *21.62* | |
| 23 33 13 16-0180 | EA | 10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 116.73 | 14.93 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *16.21* | |
| | | *For Dynamic Damper, Add* | *38.91* | |
| | | *For 3 Hour Rated, Add* | *21.62* | |
| 23 33 13 16-0181 | EA | 10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 120.88 | 15.32 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *16.86* | |
| | | *For Dynamic Damper, Add* | *40.46* | |
| | | *For 3 Hour Rated, Add* | *22.48* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0182 | EA | 10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 131.69 | 16.98 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *18.14* | |
| | | *For Dynamic Damper, Add* | *43.55* | |
| | | *For 3 Hour Rated, Add* | *24.19* | |
| 23 33 13 16-0183 | EA | 12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 120.88 | 15.32 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *16.86* | |
| | | *For Dynamic Damper, Add* | *40.46* | |
| | | *For 3 Hour Rated, Add* | *22.48* | |
| 23 33 13 16-0184 | EA | 12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 129.13 | 16.21 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *18.14* | |
| | | *For Dynamic Damper, Add* | *43.55* | |
| | | *For 3 Hour Rated, Add* | *24.19* | |
| 23 33 13 16-0185 | EA | 12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 134.56 | 16.98 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *18.79* | |
| | | *For Dynamic Damper, Add* | *45.10* | |
| | | *For 3 Hour Rated, Add* | *25.05* | |
| 23 33 13 16-0186 | EA | 12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 143.81 | 19.14 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *19.44* | |
| | | *For Dynamic Damper, Add* | *46.65* | |
| | | *For 3 Hour Rated, Add* | *25.91* | |
| 23 33 13 16-0187 | EA | 14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 127.71 | 16.21 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *17.82* | |
| | | *For Dynamic Damper, Add* | *42.78* | |
| | | *For 3 Hour Rated, Add* | *23.77* | |
| 23 33 13 16-0188 | EA | 14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 134.56 | 16.98 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *18.79* | |
| | | *For Dynamic Damper, Add* | *45.10* | |
| | | *For 3 Hour Rated, Add* | *25.05* | |
| 23 33 13 16-0189 | EA | 14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 139.97 | 17.86 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *19.44* | |
| | | *For Dynamic Damper, Add* | *46.65* | |
| | | *For 3 Hour Rated, Add* | *25.91* | |
| 23 33 13 16-0190 | EA | 14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 146.67 | 19.14 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *20.08* | |
| | | *For Dynamic Damper, Add* | *48.19* | |
| | | *For 3 Hour Rated, Add* | *26.77* | |
| 23 33 13 16-0191 | EA | 14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 160.21 | 21.31 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *21.69* | |
| | | *For Dynamic Damper, Add* | *52.06* | |
| | | *For 3 Hour Rated, Add* | *28.92* | |
| 23 33 13 16-0192 | EA | 16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 167.69 | 16.98 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *26.24* | |
| | | *For Dynamic Damper, Add* | *62.99* | |
| | | *For 3 Hour Rated, Add* | *34.99* | |
| 23 33 13 16-0193 | EA | 16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 174.72 | 18.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *26.97* | |
| | | *For Dynamic Damper, Add* | *64.72* | |
| | | *For 3 Hour Rated, Add* | *35.96* | |
| 23 33 13 16-0194 | EA | 16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 183.05 | 20.03 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *27.69* | |
| | | *For Dynamic Damper, Add* | *66.46* | |
| | | *For 3 Hour Rated, Add* | *36.92* | |
| 23 33 13 16-0195 | EA | 16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 190.06 | 21.31 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *28.41* | |
| | | *For Dynamic Damper, Add* | *68.18* | |
| | | *For 3 Hour Rated, Add* | *37.88* | |
| 23 33 13 16-0196 | EA | 16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 204.48 | 23.35 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *30.22* | |
| | | *For Dynamic Damper, Add* | *72.52* | |
| | | *For 3 Hour Rated, Add* | *40.29* | |
| 23 33 13 16-0197 | EA | 16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 218.88 | 25.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *32.02* | |
| | | *For Dynamic Damper, Add* | *76.85* | |
| | | *For 3 Hour Rated, Add* | *42.69* | |
| 23 33 13 16-0198 | EA | 18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 173.44 | 17.86 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *26.97* | |
| | | *For Dynamic Damper, Add* | *64.72* | |
| | | *For 3 Hour Rated, Add* | *35.96* | |
| 23 33 13 16-0199 | EA | 18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 182.09 | 19.14 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *28.05* | |
| | | *For Dynamic Damper, Add* | *67.32* | |
| | | *For 3 Hour Rated, Add* | *37.40* | |
| 23 33 13 16-0200 | EA | 18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 193.30 | 21.31 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *29.14* | |
| | | *For Dynamic Damper, Add* | *69.92* | |
| | | *For 3 Hour Rated, Add* | *38.85* | |
| 23 33 13 16-0201 | EA | 18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 207.69 | 23.35 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *30.94* | |
| | | *For Dynamic Damper, Add* | *74.25* | |
| | | *For 3 Hour Rated, Add* | *41.25* | |
| 23 33 13 16-0202 | EA | 18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 220.48 | 25.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *32.38* | |
| | | *For Dynamic Damper, Add* | *77.71* | |
| | | *For 3 Hour Rated, Add* | *43.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0203 | EA | 18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 234.87 | 27.56 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *34.18* | |
| | | *For Dynamic Damper, Add* | *82.04* | |
| | | *For 3 Hour Rated, Add* | *45.58* | |
| 23 33 13 16-0204 | EA | 18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 246.04 | 29.73 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *35.26* | |
| | | *For Dynamic Damper, Add* | *84.63* | |
| | | *For 3 Hour Rated, Add* | *47.02* | |
| 23 33 13 16-0205 | EA | 20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 180.50 | 19.14 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *27.69* | |
| | | *For Dynamic Damper, Add* | *66.46* | |
| | | *For 3 Hour Rated, Add* | *36.92* | |
| 23 33 13 16-0206 | EA | 20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 193.27 | 21.31 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *29.13* | |
| | | *For Dynamic Damper, Add* | *69.91* | |
| | | *For 3 Hour Rated, Add* | *38.84* | |
| 23 33 13 16-0207 | EA | 20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 206.08 | 23.35 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *30.58* | |
| | | *For Dynamic Damper, Add* | *73.38* | |
| | | *For 3 Hour Rated, Add* | *40.77* | |
| 23 33 13 16-0208 | EA | 20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 225.31 | 25.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *33.47* | |
| | | *For Dynamic Damper, Add* | *80.32* | |
| | | *For 3 Hour Rated, Add* | *44.62* | |
| 23 33 13 16-0209 | EA | 20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 236.48 | 27.56 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *34.55* | |
| | | *For Dynamic Damper, Add* | *82.91* | |
| | | *For 3 Hour Rated, Add* | *46.06* | |
| 23 33 13 16-0210 | EA | 20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 247.65 | 29.73 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *35.62* | |
| | | *For Dynamic Damper, Add* | *85.50* | |
| | | *For 3 Hour Rated, Add* | *47.50* | |
| 23 33 13 16-0211 | EA | 20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 260.45 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *37.07* | |
| | | *For Dynamic Damper, Add* | *88.96* | |
| | | *For 3 Hour Rated, Add* | *49.42* | |
| 23 33 13 16-0212 | EA | 20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 273.23 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *38.51* | |
| | | *For Dynamic Damper, Add* | *92.42* | |
| | | *For 3 Hour Rated, Add* | *51.34* | |
| 23 33 13 16-0213 | EA | 24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 222.76 | 21.31 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *35.76* | |
| | | *For Dynamic Damper, Add* | *85.83* | |
| | | *For 3 Hour Rated, Add* | *47.69* | |
| 23 33 13 16-0214 | EA | 24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 238.77 | 23.35 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *37.93* | |
| | | *For Dynamic Damper, Add* | *91.03* | |
| | | *For 3 Hour Rated, Add* | *50.57* | |
| 23 33 13 16-0215 | EA | 24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 251.57 | 25.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *39.38* | |
| | | *For Dynamic Damper, Add* | *94.50* | |
| | | *For 3 Hour Rated, Add* | *52.50* | |
| 23 33 13 16-0216 | EA | 24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 267.54 | 27.56 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *41.54* | |
| | | *For Dynamic Damper, Add* | *99.68* | |
| | | *For 3 Hour Rated, Add* | *55.38* | |
| 23 33 13 16-0217 | EA | 24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 278.74 | 29.73 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *42.62* | |
| | | *For Dynamic Damper, Add* | *102.29* | |
| | | *For 3 Hour Rated, Add* | *56.83* | |
| 23 33 13 16-0218 | EA | 24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 289.92 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *43.70* | |
| | | *For Dynamic Damper, Add* | *104.87* | |
| | | *For 3 Hour Rated, Add* | *58.26* | |
| 23 33 13 16-0219 | EA | 24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 305.92 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *45.86* | |
| | | *For Dynamic Damper, Add* | *110.07* | |
| | | *For 3 Hour Rated, Add* | *61.15* | |
| 23 33 13 16-0220 | EA | 24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 328.29 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *48.02* | |
| | | *For Dynamic Damper, Add* | *115.26* | |
| | | *For 3 Hour Rated, Add* | *64.03* | |
| 23 33 13 16-0221 | EA | 24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 353.89 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *50.91* | |
| | | *For Dynamic Damper, Add* | *122.19* | |
| | | *For 3 Hour Rated, Add* | *67.88* | |
| 23 33 13 16-0222 | EA | 28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 238.77 | 23.35 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *37.93* | |
| | | *For Dynamic Damper, Add* | *91.03* | |
| | | *For 3 Hour Rated, Add* | *50.57* | |
| 23 33 13 16-0223 | EA | 28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 251.57 | 25.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *39.38* | |
| | | *For Dynamic Damper, Add* | *94.50* | |
| | | *For 3 Hour Rated, Add* | *52.50* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0224 | EA | 28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 267.54 | 27.56 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *41.54* | |
| | | *For Dynamic Damper, Add* | *99.68* | |
| | | *For 3 Hour Rated, Add* | *55.38* | |
| 23 33 13 16-0225 | EA | 28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 280.33 | 29.73 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *42.98* | |
| | | *For Dynamic Damper, Add* | *103.15* | |
| | | *For 3 Hour Rated, Add* | *57.30* | |
| 23 33 13 16-0226 | EA | 28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 294.74 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *44.78* | |
| | | *For Dynamic Damper, Add* | *107.48* | |
| | | *For 3 Hour Rated, Add* | *59.71* | |
| 23 33 13 16-0227 | EA | 28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 309.11 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *46.58* | |
| | | *For Dynamic Damper, Add* | *111.79* | |
| | | *For 3 Hour Rated, Add* | *62.11* | |
| 23 33 13 16-0228 | EA | 28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 331.50 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *48.75* | |
| | | *For Dynamic Damper, Add* | *116.99* | |
| | | *For 3 Hour Rated, Add* | *65.00* | |
| 23 33 13 16-0229 | EA | 28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 353.89 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *50.91* | |
| | | *For Dynamic Damper, Add* | *122.19* | |
| | | *For 3 Hour Rated, Add* | *67.88* | |
| 23 33 13 16-0230 | EA | 28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 379.49 | 44.67 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *55.24* | |
| | | *For Dynamic Damper, Add* | *132.57* | |
| | | *For 3 Hour Rated, Add* | *73.65* | |
| 23 33 13 16-0231 | EA | 28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 408.29 | 48.87 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *58.85* | |
| | | *For Dynamic Damper, Add* | *141.23* | |
| | | *For 3 Hour Rated, Add* | *78.46* | |
| 23 33 13 16-0232 | EA | 32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 261.17 | 25.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *41.54* | |
| | | *For Dynamic Damper, Add* | *99.68* | |
| | | *For 3 Hour Rated, Add* | *55.38* | |
| 23 33 13 16-0233 | EA | 32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 270.73 | 27.56 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *42.25* | |
| | | *For Dynamic Damper, Add* | *101.41* | |
| | | *For 3 Hour Rated, Add* | *56.34* | |
| 23 33 13 16-0234 | EA | 32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 280.33 | 29.73 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *42.98* | |
| | | *For Dynamic Damper, Add* | *103.15* | |
| | | *For 3 Hour Rated, Add* | *57.30* | |
| 23 33 13 16-0235 | EA | 32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 293.11 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *44.42* | |
| | | *For Dynamic Damper, Add* | *106.60* | |
| | | *For 3 Hour Rated, Add* | *59.22* | |
| 23 33 13 16-0236 | EA | 32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 309.72 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *46.72* | |
| | | *For Dynamic Damper, Add* | *112.12* | |
| | | *For 3 Hour Rated, Add* | *62.29* | |
| 23 33 13 16-0237 | EA | 32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 331.50 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *48.75* | |
| | | *For Dynamic Damper, Add* | *116.99* | |
| | | *For 3 Hour Rated, Add* | *65.00* | |
| 23 33 13 16-0238 | EA | 32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 357.11 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *51.64* | |
| | | *For Dynamic Damper, Add* | *123.93* | |
| | | *For 3 Hour Rated, Add* | *68.85* | |
| 23 33 13 16-0239 | EA | 32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 382.69 | 46.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *54.52* | |
| | | *For Dynamic Damper, Add* | *130.85* | |
| | | *For 3 Hour Rated, Add* | *72.70* | |
| 23 33 13 16-0240 | EA | 32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 408.29 | 48.87 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *58.85* | |
| | | *For Dynamic Damper, Add* | *141.23* | |
| | | *For 3 Hour Rated, Add* | *78.46* | |
| 23 33 13 16-0241 | EA | 32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 440.95 | 52.32 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *63.90* | |
| | | *For Dynamic Damper, Add* | *153.35* | |
| | | *For 3 Hour Rated, Add* | *85.20* | |
| 23 33 13 16-0242 | EA | 32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 475.53 | 55.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *69.67* | |
| | | *For Dynamic Damper, Add* | *167.20* | |
| | | *For 3 Hour Rated, Add* | *92.89* | |
| 23 33 13 16-0243 | EA | 36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 293.65 | 27.56 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *47.41* | |
| | | *For Dynamic Damper, Add* | *113.78* | |
| | | *For 3 Hour Rated, Add* | *63.21* | |
| 23 33 13 16-0244 | EA | 36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 307.33 | 29.73 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *49.05* | |
| | | *For Dynamic Damper, Add* | *117.73* | |
| | | *For 3 Hour Rated, Add* | *65.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0245 | EA | 36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 321.04 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *50.70* | |
| | | *For Dynamic Damper, Add* | *121.68* | |
| | | *For 3 Hour Rated, Add* | *67.60* | |
| 23 33 13 16-0246 | EA | 36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 338.44 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *53.18* | |
| | | *For Dynamic Damper, Add* | *127.63* | |
| | | *For 3 Hour Rated, Add* | *70.91* | |
| 23 33 13 16-0247 | EA | 36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 356.71 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *54.42* | |
| | | *For Dynamic Damper, Add* | *130.60* | |
| | | *For 3 Hour Rated, Add* | *72.56* | |
| 23 33 13 16-0248 | EA | 36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 368.59 | 40.33 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *55.66* | |
| | | *For Dynamic Damper, Add* | *133.57* | |
| | | *For 3 Hour Rated, Add* | *74.21* | |
| 23 33 13 16-0249 | EA | 36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 406.05 | 46.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *59.78* | |
| | | *For Dynamic Damper, Add* | *143.47* | |
| | | *For 3 Hour Rated, Add* | *79.70* | |
| 23 33 13 16-0250 | EA | 36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 437.12 | 51.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *63.90* | |
| | | *For Dynamic Damper, Add* | *153.35* | |
| | | *For 3 Hour Rated, Add* | *85.19* | |
| 23 33 13 16-0251 | EA | 36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 464.21 | 52.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *68.84* | |
| | | *For Dynamic Damper, Add* | *165.22* | |
| | | *For 3 Hour Rated, Add* | *91.79* | |
| 23 33 13 16-0252 | EA | 36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 504.99 | 56.53 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *75.44* | |
| | | *For Dynamic Damper, Add* | *181.05* | |
| | | *For 3 Hour Rated, Add* | *100.58* | |
| 23 33 13 16-0253 | EA | 36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 539.56 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *81.20* | |
| | | *For Dynamic Damper, Add* | *194.89* | |
| | | *For 3 Hour Rated, Add* | *108.27* | |
| 23 33 13 16-0254 | EA | 36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 575.26 | 61.63 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *87.80* | |
| | | *For Dynamic Damper, Add* | *210.72* | |
| | | *For 3 Hour Rated, Add* | *117.07* | |
| 23 33 13 16-0255 | EA | 40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 329.94 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *54.14* | |
| | | *For Dynamic Damper, Add* | *129.93* | |
| | | *For 3 Hour Rated, Add* | *72.19* | |
| 23 33 13 16-0256 | EA | 40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 350.99 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *57.44* | |
| | | *For Dynamic Damper, Add* | *137.85* | |
| | | *For 3 Hour Rated, Add* | *76.58* | |
| 23 33 13 16-0257 | EA | 40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 361.03 | 36.11 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *58.26* | |
| | | *For Dynamic Damper, Add* | *139.83* | |
| | | *For 3 Hour Rated, Add* | *77.68* | |
| 23 33 13 16-0258 | EA | 40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 371.08 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *59.09* | |
| | | *For Dynamic Damper, Add* | *141.81* | |
| | | *For 3 Hour Rated, Add* | *78.78* | |
| 23 33 13 16-0259 | EA | 40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 396.68 | 40.33 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *61.98* | |
| | | *For Dynamic Damper, Add* | *148.74* | |
| | | *For 3 Hour Rated, Add* | *82.64* | |
| 23 33 13 16-0260 | EA | 40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 415.88 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *64.86* | |
| | | *For Dynamic Damper, Add* | *155.67* | |
| | | *For 3 Hour Rated, Add* | *86.48* | |
| 23 33 13 16-0261 | EA | 40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 449.67 | 48.87 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *68.16* | |
| | | *For Dynamic Damper, Add* | *163.58* | |
| | | *For 3 Hour Rated, Add* | *90.88* | |
| 23 33 13 16-0262 | EA | 40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 477.10 | 53.09 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *71.46* | |
| | | *For Dynamic Damper, Add* | *171.49* | |
| | | *For 3 Hour Rated, Add* | *95.27* | |
| 23 33 13 16-0263 | EA | 40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 509.29 | 56.53 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *76.40* | |
| | | *For Dynamic Damper, Add* | *183.37* | |
| | | *For 3 Hour Rated, Add* | *101.87* | |
| 23 33 13 16-0264 | EA | 40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 558.53 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *85.47* | |
| | | *For Dynamic Damper, Add* | *205.13* | |
| | | *For 3 Hour Rated, Add* | *113.96* | |
| 23 33 13 16-0265 | EA | 40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 590.69 | 62.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *90.41* | |
| | | *For Dynamic Damper, Add* | *216.98* | |
| | | *For 3 Hour Rated, Add* | *120.55* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0266 | EA | 40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 636.12 | 64.57 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *99.48* | |
| | | *For Dynamic Damper, Add* | *238.76* | |
| | | *For 3 Hour Rated, Add* | *132.65* | |
| 23 33 13 16-0267 | EA | 40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 682.97 | 68.02 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *107.73* | |
| | | *For Dynamic Damper, Add* | *258.55* | |
| | | *For 3 Hour Rated, Add* | *143.64* | |
| 23 33 13 16-0268 | EA | 44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 343.67 | 31.91 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *55.79* | |
| | | *For Dynamic Damper, Add* | *133.90* | |
| | | *For 3 Hour Rated, Add* | *74.39* | |
| 23 33 13 16-0269 | EA | 44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 364.70 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *59.09* | |
| | | *For Dynamic Damper, Add* | *141.81* | |
| | | *For 3 Hour Rated, Add* | *78.78* | |
| 23 33 13 16-0270 | EA | 44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 382.10 | 36.11 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *61.57* | |
| | | *For Dynamic Damper, Add* | *147.76* | |
| | | *For 3 Hour Rated, Add* | *82.09* | |
| 23 33 13 16-0271 | EA | 44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 392.14 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *62.39* | |
| | | *For Dynamic Damper, Add* | *149.74* | |
| | | *For 3 Hour Rated, Add* | *83.19* | |
| 23 33 13 16-0272 | EA | 44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 413.17 | 40.33 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *65.69* | |
| | | *For Dynamic Damper, Add* | *157.65* | |
| | | *For 3 Hour Rated, Add* | *87.58* | |
| 23 33 13 16-0273 | EA | 44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 434.21 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *68.99* | |
| | | *For Dynamic Damper, Add* | *165.56* | |
| | | *For 3 Hour Rated, Add* | *91.98* | |
| 23 33 13 16-0274 | EA | 44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 478.06 | 51.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *73.11* | |
| | | *For Dynamic Damper, Add* | *175.46* | |
| | | *For 3 Hour Rated, Add* | *97.48* | |
| 23 33 13 16-0275 | EA | 44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 509.12 | 55.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *77.22* | |
| | | *For Dynamic Damper, Add* | *185.34* | |
| | | *For 3 Hour Rated, Add* | *102.97* | |
| 23 33 13 16-0276 | EA | 44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 558.53 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *85.47* | |
| | | *For Dynamic Damper, Add* | *205.13* | |
| | | *For 3 Hour Rated, Add* | *113.96* | |
| 23 33 13 16-0277 | EA | 44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 604.26 | 63.81 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *92.89* | |
| | | *For Dynamic Damper, Add* | *222.93* | |
| | | *For 3 Hour Rated, Add* | *123.85* | |
| 23 33 13 16-0278 | EA | 44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 653.63 | 68.02 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *101.13* | |
| | | *For Dynamic Damper, Add* | *242.70* | |
| | | *For 3 Hour Rated, Add* | *134.84* | |
| 23 33 13 16-0279 | EA | 44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 692.99 | 70.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *108.55* | |
| | | *For Dynamic Damper, Add* | *260.51* | |
| | | *For 3 Hour Rated, Add* | *144.73* | |
| 23 33 13 16-0280 | EA | 44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 732.37 | 72.23 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *115.97* | |
| | | *For Dynamic Damper, Add* | *278.33* | |
| | | *For 3 Hour Rated, Add* | *154.63* | |
| 23 33 13 16-0281 | EA | 44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 771.74 | 74.40 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *123.39* | |
| | | *For Dynamic Damper, Add* | *296.14* | |
| | | *For 3 Hour Rated, Add* | *164.52* | |
| 23 33 13 16-0282 | EA | 48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 361.03 | 33.94 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *58.26* | |
| | | *For Dynamic Damper, Add* | *139.83* | |
| | | *For 3 Hour Rated, Add* | *77.68* | |
| 23 33 13 16-0283 | EA | 48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 382.10 | 36.11 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *61.57* | |
| | | *For Dynamic Damper, Add* | *147.76* | |
| | | *For 3 Hour Rated, Add* | *82.09* | |
| 23 33 13 16-0284 | EA | 48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 392.14 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *62.39* | |
| | | *For Dynamic Damper, Add* | *149.74* | |
| | | *For 3 Hour Rated, Add* | *83.19* | |
| 23 33 13 16-0285 | EA | 48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 415.88 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *64.86* | |
| | | *For Dynamic Damper, Add* | *155.67* | |
| | | *For 3 Hour Rated, Add* | *86.48* | |
| 23 33 13 16-0286 | EA | 48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 443.29 | 46.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *68.16* | |
| | | *For Dynamic Damper, Add* | *163.58* | |
| | | *For 3 Hour Rated, Add* | *90.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0287 | EA | 48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 470.72 | 51.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *71.46* | |
| | | *For Dynamic Damper, Add* | *171.49* | |
| | | *For 3 Hour Rated, Add* | *95.27* | |
| 23 33 13 16-0288 | EA | 48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 505.47 | 55.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *76.40* | |
| | | *For Dynamic Damper, Add* | *183.37* | |
| | | *For 3 Hour Rated, Add* | *101.87* | |
| 23 33 13 16-0289 | EA | 48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 540.19 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *81.34* | |
| | | *For Dynamic Damper, Add* | *195.23* | |
| | | *For 3 Hour Rated, Add* | *108.46* | |
| 23 33 13 16-0290 | EA | 48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 585.94 | 63.81 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *88.77* | |
| | | *For Dynamic Damper, Add* | *213.04* | |
| | | *For 3 Hour Rated, Add* | *118.36* | |
| 23 33 13 16-0291 | EA | 48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 638.98 | 68.02 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *97.83* | |
| | | *For Dynamic Damper, Add* | *234.79* | |
| | | *For 3 Hour Rated, Add* | *130.44* | |
| 23 33 13 16-0292 | EA | 48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 678.37 | 70.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *105.26* | |
| | | *For Dynamic Damper, Add* | *252.62* | |
| | | *For 3 Hour Rated, Add* | *140.34* | |
| 23 33 13 16-0293 | EA | 48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 728.69 | 72.23 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *115.14* | |
| | | *For Dynamic Damper, Add* | *276.34* | |
| | | *For 3 Hour Rated, Add* | *153.52* | |
| 23 33 13 16-0294 | EA | 48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 774.46 | 76.44 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *122.57* | |
| | | *For Dynamic Damper, Add* | *294.17* | |
| | | *For 3 Hour Rated, Add* | *163.43* | |
| 23 33 13 16-0295 | EA | 48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 824.79 | 78.61 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *132.46* | |
| | | *For Dynamic Damper, Add* | *317.90* | |
| | | *For 3 Hour Rated, Add* | *176.61* | |
| 23 33 13 16-0296 | EA | 48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 873.24 | 84.99 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *139.05* | |
| | | *For Dynamic Damper, Add* | *333.73* | |
| | | *For 3 Hour Rated, Add* | *185.41* | |
| 23 33 13 16-0297 | EA | 52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 378.42 | 36.11 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *60.74* | |
| | | *For Dynamic Damper, Add* | *145.77* | |
| | | *For 3 Hour Rated, Add* | *80.99* | |
| 23 33 13 16-0298 | EA | 52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 399.46 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *64.04* | |
| | | *For Dynamic Damper, Add* | *153.69* | |
| | | *For 3 Hour Rated, Add* | *85.38* | |
| 23 33 13 16-0299 | EA | 52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 426.87 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *67.33* | |
| | | *For Dynamic Damper, Add* | *161.60* | |
| | | *For 3 Hour Rated, Add* | *89.78* | |
| 23 33 13 16-0300 | EA | 52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 443.29 | 46.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *68.16* | |
| | | *For Dynamic Damper, Add* | *163.58* | |
| | | *For 3 Hour Rated, Add* | *90.88* | |
| 23 33 13 16-0301 | EA | 52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 472.58 | 51.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *71.87* | |
| | | *For Dynamic Damper, Add* | *172.50* | |
| | | *For 3 Hour Rated, Add* | *95.83* | |
| 23 33 13 16-0302 | EA | 52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 501.80 | 55.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *75.58* | |
| | | *For Dynamic Damper, Add* | *181.39* | |
| | | *For 3 Hour Rated, Add* | *100.77* | |
| 23 33 13 16-0303 | EA | 52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 536.55 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *80.53* | |
| | | *For Dynamic Damper, Add* | *193.26* | |
| | | *For 3 Hour Rated, Add* | *107.37* | |
| 23 33 13 16-0304 | EA | 52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 571.29 | 63.81 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *85.47* | |
| | | *For Dynamic Damper, Add* | *205.13* | |
| | | *For 3 Hour Rated, Add* | *113.96* | |
| 23 33 13 16-0305 | EA | 52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 617.02 | 68.02 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *92.89* | |
| | | *For Dynamic Damper, Add* | *222.93* | |
| | | *For 3 Hour Rated, Add* | *123.85* | |
| 23 33 13 16-0306 | EA | 52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 673.74 | 72.23 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *102.78* | |
| | | *For Dynamic Damper, Add* | *246.67* | |
| | | *For 3 Hour Rated, Add* | *137.04* | |
| 23 33 13 16-0307 | EA | 52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 716.75 | 74.40 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *111.02* | |
| | | *For Dynamic Damper, Add* | *266.45* | |
| | | *For 3 Hour Rated, Add* | *148.03* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0308 | EA | 52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 770.78 | 76.44 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *121.74* | |
| | | *For Dynamic Damper, Add* | *292.18* | |
| | | *For 3 Hour Rated, Add* | *162.32* | |
| 23 33 13 16-0309 | EA | 52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 827.48 | 80.78 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *131.63* | |
| | | *For Dynamic Damper, Add* | *315.91* | |
| | | *For 3 Hour Rated, Add* | *175.50* | |
| 23 33 13 16-0310 | EA | 52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 873.24 | 84.99 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *139.05* | |
| | | *For Dynamic Damper, Add* | *333.73* | |
| | | *For 3 Hour Rated, Add* | *185.41* | |
| 23 33 13 16-0311 | EA | 52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 936.34 | 91.37 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *148.94* | |
| | | *For Dynamic Damper, Add* | *357.46* | |
| | | *For 3 Hour Rated, Add* | *198.59* | |
| 23 33 13 16-0312 | EA | 52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 985.75 | 95.58 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *157.19* | |
| | | *For Dynamic Damper, Add* | *377.25* | |
| | | *For 3 Hour Rated, Add* | *209.59* | |
| 23 33 13 16-0313 | EA | 56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 392.14 | 38.29 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *62.39* | |
| | | *For Dynamic Damper, Add* | *149.74* | |
| | | *For 3 Hour Rated, Add* | *83.19* | |
| 23 33 13 16-0314 | EA | 56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 423.20 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *66.51* | |
| | | *For Dynamic Damper, Add* | *159.62* | |
| | | *For 3 Hour Rated, Add* | *88.68* | |
| 23 33 13 16-0315 | EA | 56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 446.97 | 46.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *68.99* | |
| | | *For Dynamic Damper, Add* | *165.56* | |
| | | *For 3 Hour Rated, Add* | *91.98* | |
| 23 33 13 16-0316 | EA | 56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 463.38 | 51.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *69.80* | |
| | | *For Dynamic Damper, Add* | *167.53* | |
| | | *For 3 Hour Rated, Add* | *93.07* | |
| 23 33 13 16-0317 | EA | 56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 496.32 | 55.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *74.34* | |
| | | *For Dynamic Damper, Add* | *178.43* | |
| | | *For 3 Hour Rated, Add* | *99.13* | |
| 23 33 13 16-0318 | EA | 56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 529.21 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *78.87* | |
| | | *For Dynamic Damper, Add* | *189.30* | |
| | | *For 3 Hour Rated, Add* | *105.17* | |
| 23 33 13 16-0319 | EA | 56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 562.13 | 63.81 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *83.41* | |
| | | *For Dynamic Damper, Add* | *200.18* | |
| | | *For 3 Hour Rated, Add* | *111.21* | |
| 23 33 13 16-0320 | EA | 56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 595.03 | 68.02 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *87.94* | |
| | | *For Dynamic Damper, Add* | *211.06* | |
| | | *For 3 Hour Rated, Add* | *117.26* | |
| 23 33 13 16-0321 | EA | 56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 651.75 | 72.23 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *97.83* | |
| | | *For Dynamic Damper, Add* | *234.79* | |
| | | *For 3 Hour Rated, Add* | *130.44* | |
| 23 33 13 16-0322 | EA | 56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 702.12 | 74.40 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *107.73* | |
| | | *For Dynamic Damper, Add* | *258.55* | |
| | | *For 3 Hour Rated, Add* | *143.64* | |
| 23 33 13 16-0323 | EA | 56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 748.79 | 76.44 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *116.79* | |
| | | *For Dynamic Damper, Add* | *280.30* | |
| | | *For 3 Hour Rated, Add* | *155.72* | |
| 23 33 13 16-0324 | EA | 56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 812.86 | 80.78 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *128.34* | |
| | | *For Dynamic Damper, Add* | *308.01* | |
| | | *For 3 Hour Rated, Add* | *171.12* | |
| 23 33 13 16-0325 | EA | 56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 869.56 | 84.99 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *138.23* | |
| | | *For Dynamic Damper, Add* | *331.74* | |
| | | *For 3 Hour Rated, Add* | *184.30* | |
| 23 33 13 16-0326 | EA | 56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 929.95 | 89.20 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *148.94* | |
| | | *For Dynamic Damper, Add* | *357.46* | |
| | | *For 3 Hour Rated, Add* | *198.59* | |
| 23 33 13 16-0327 | EA | 56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 979.37 | 93.54 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *157.19* | |
| | | *For Dynamic Damper, Add* | *377.25* | |
| | | *For 3 Hour Rated, Add* | *209.59* | |
| 23 33 13 16-0328 | EA | 56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,039.76 | 97.75 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *167.91* | |
| | | *For Dynamic Damper, Add* | *402.98* | |
| | | *For 3 Hour Rated, Add* | *223.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0329 | EA | 56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,100.15 | 101.96 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *178.62* | |
| | | *For Dynamic Damper, Add* | *428.70* | |
| | | *For 3 Hour Rated, Add* | *238.16* | |
| 23 33 13 16-0330 | EA | 60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 415.88 | 42.49 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *64.86* | |
| | | *For Dynamic Damper, Add* | *155.67* | |
| | | *For 3 Hour Rated, Add* | *86.48* | |
| 23 33 13 16-0331 | EA | 60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 446.97 | 46.71 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *68.99* | |
| | | *For Dynamic Damper, Add* | *165.56* | |
| | | *For 3 Hour Rated, Add* | *91.98* | |
| 23 33 13 16-0332 | EA | 60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 467.04 | 51.05 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *70.63* | |
| | | *For Dynamic Damper, Add* | *169.51* | |
| | | *For 3 Hour Rated, Add* | *94.17* | |
| 23 33 13 16-0333 | EA | 60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 483.48 | 55.25 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *71.46* | |
| | | *For Dynamic Damper, Add* | *171.49* | |
| | | *For 3 Hour Rated, Add* | *95.27* | |
| 23 33 13 16-0334 | EA | 60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 518.23 | 59.47 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *76.40* | |
| | | *For Dynamic Damper, Add* | *183.37* | |
| | | *For 3 Hour Rated, Add* | *101.87* | |
| 23 33 13 16-0335 | EA | 60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 552.95 | 63.81 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *81.34* | |
| | | *For Dynamic Damper, Add* | *195.23* | |
| | | *For 3 Hour Rated, Add* | *108.46* | |
| 23 33 13 16-0336 | EA | 60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 589.53 | 68.02 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *86.70* | |
| | | *For Dynamic Damper, Add* | *208.09* | |
| | | *For 3 Hour Rated, Add* | *115.61* | |
| 23 33 13 16-0337 | EA | 60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 626.11 | 72.23 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *92.06* | |
| | | *For Dynamic Damper, Add* | *220.95* | |
| | | *For 3 Hour Rated, Add* | *122.75* | |
| 23 33 13 16-0338 | EA | 60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 680.12 | 74.40 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *102.78* | |
| | | *For Dynamic Damper, Add* | *246.67* | |
| | | *For 3 Hour Rated, Add* | *137.04* | |
| 23 33 13 16-0339 | EA | 60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 730.47 | 76.44 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *112.67* | |
| | | *For Dynamic Damper, Add* | *270.41* | |
| | | *For 3 Hour Rated, Add* | *150.23* | |
| 23 33 13 16-0340 | EA | 60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 790.88 | 80.78 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *123.39* | |
| | | *For Dynamic Damper, Add* | *296.14* | |
| | | *For 3 Hour Rated, Add* | *164.52* | |
| 23 33 13 16-0341 | EA | 60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 851.26 | 84.99 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *134.11* | |
| | | *For Dynamic Damper, Add* | *321.86* | |
| | | *For 3 Hour Rated, Add* | *178.81* | |
| 23 33 13 16-0342 | EA | 60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 900.65 | 89.20 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *142.35* | |
| | | *For Dynamic Damper, Add* | *341.64* | |
| | | *For 3 Hour Rated, Add* | *189.80* | |
| 23 33 13 16-0343 | EA | 60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 972.03 | 93.54 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *155.54* | |
| | | *For Dynamic Damper, Add* | *373.29* | |
| | | *For 3 Hour Rated, Add* | *207.38* | |
| 23 33 13 16-0344 | EA | 60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,036.08 | 97.75 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *167.08* | |
| | | *For Dynamic Damper, Add* | *400.99* | |
| | | *For 3 Hour Rated, Add* | *222.77* | |
| 23 33 13 16-0345 | EA | 60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,100.15 | 101.96 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *178.62* | |
| | | *For Dynamic Damper, Add* | *428.70* | |
| | | *For 3 Hour Rated, Add* | *238.16* | |
| 23 33 13 16-0346 | EA | 60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,156.84 | 106.30 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *188.51* | |
| | | *For Dynamic Damper, Add* | *452.42* | |
| | | *For 3 Hour Rated, Add* | *251.34* | |
| 23 33 13 16-0347 | EA | 60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,213.61 | 110.52 |
| | | *For Spring Activated Horizontal Mount Operation, Add* | *198.41* | |
| | | *For Dynamic Damper, Add* | *476.18* | |
| | | *For 3 Hour Rated, Add* | *264.55* | |

## 23 33 13 16-0348 Round 2 Hour Fire Damper *(23 33 13 16)*

| | | | | |
|---|---|---|---|---|
| 23 33 13 16-0349 | EA | 4" Round 2 Hour Fire Damper | 133.94 | 25.52 |
| 23 33 13 16-0350 | EA | 5" Round 2 Hour Fire Damper | 139.88 | 25.52 |
| 23 33 13 16-0351 | EA | 6" Round 2 Hour Fire Damper | 164.65 | 28.97 |
| 23 33 13 16-0352 | EA | 7" Round 2 Hour Fire Damper | 171.10 | 28.97 |
| 23 33 13 16-0353 | EA | 8" Round 2 Hour Fire Damper | 205.96 | 31.91 |
| 23 33 13 16-0354 | EA | 9" Round 2 Hour Fire Damper | 223.71 | 31.91 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 16-0355 | EA | 10" Round 2 Hour Fire Damper | 248.62 | 35.48 |
| 23 33 13 16-0356 | EA | 12" Round 2 Hour Fire Damper | 279.24 | 39.95 |
| 23 33 13 16-0357 | EA | 14" Round 2 Hour Fire Damper | 317.33 | 45.56 |
| **23 33 13 16-0358** | | **Round 4 Hour Fire Damper** *(23 33 13 16)* | | |
| 23 33 13 16-0359 | EA | 4" Round 4 Hour Fire Damper | 150.85 | 28.97 |
| 23 33 13 16-0360 | EA | 5" Round 4 Hour Fire Damper | 167.03 | 28.97 |
| 23 33 13 16-0361 | EA | 6" Round 4 Hour Fire Damper | 189.22 | 31.91 |
| 23 33 13 16-0362 | EA | 7" Round 4 Hour Fire Damper | 210.09 | 31.91 |
| 23 33 13 16-0363 | EA | 8" Round 4 Hour Fire Damper | 238.10 | 35.48 |
| 23 33 13 16-0364 | EA | 9" Round 4 Hour Fire Damper | 250.82 | 35.48 |
| 23 33 13 16-0365 | EA | 10" Round 4 Hour Fire Damper | 279.64 | 39.95 |
| 23 33 13 16-0366 | EA | 12" Round 4 Hour Fire Damper | 309.25 | 45.56 |
| 23 33 13 16-0367 | EA | 14" Round 4 Hour Fire Damper | 360.79 | 53.21 |
| **23 33 13 19** | | **Smoke-Control Dampers** *(23 33 13)* | | |
| **23 33 13 19-0001** | | **Combination Smoke/Fire Damper** *(23 33 13 19)* | | |
| | | Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades. | | |
| 23 33 13 19-0002 | EA | 6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 629.98 | 21.25 |
| | | *For Dynamic Damper, Add* | *305.76* | |
| | | *For 3 Hour Rated, Add* | *169.87* | |
| 23 33 13 19-0003 | EA | 8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 646.66 | 22.21 |
| | | *For Dynamic Damper, Add* | *313.23* | |
| | | *For 3 Hour Rated, Add* | *174.02* | |
| 23 33 13 19-0004 | EA | 8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 661.05 | 22.40 |
| | | *For Dynamic Damper, Add* | *320.79* | |
| | | *For 3 Hour Rated, Add* | *178.22* | |
| 23 33 13 19-0005 | EA | 10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 624.10 | 22.40 |
| | | *For Dynamic Damper, Add* | *300.83* | |
| | | *For 3 Hour Rated, Add* | *167.13* | |
| 23 33 13 19-0006 | EA | 10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 639.05 | 22.97 |
| | | *For Dynamic Damper, Add* | *307.88* | |
| | | *For 3 Hour Rated, Add* | *171.04* | |
| 23 33 13 19-0007 | EA | 10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 672.89 | 25.46 |
| | | *For Dynamic Damper, Add* | *322.01* | |
| | | *For 3 Hour Rated, Add* | *178.90* | |
| 23 33 13 19-0008 | EA | 12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 639.05 | 22.97 |
| | | *For Dynamic Damper, Add* | *307.88* | |
| | | *For 3 Hour Rated, Add* | *171.04* | |
| 23 33 13 19-0009 | EA | 12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 669.06 | 24.31 |
| | | *For Dynamic Damper, Add* | *322.01* | |
| | | *For 3 Hour Rated, Add* | *178.90* | |
| 23 33 13 19-0010 | EA | 12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 685.93 | 25.46 |
| | | *For Dynamic Damper, Add* | *329.05* | |
| | | *For 3 Hour Rated, Add* | *182.81* | |
| 23 33 13 19-0011 | EA | 12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 708.63 | 28.71 |
| | | *For Dynamic Damper, Add* | *336.15* | |
| | | *For 3 Hour Rated, Add* | *186.75* | |
| 23 33 13 19-0012 | EA | 14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 662.54 | 24.31 |
| | | *For Dynamic Damper, Add* | *318.49* | |
| | | *For 3 Hour Rated, Add* | *176.94* | |
| 23 33 13 19-0013 | EA | 14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 685.93 | 25.46 |
| | | *For Dynamic Damper, Add* | *329.05* | |
| | | *For 3 Hour Rated, Add* | *182.81* | |
| 23 33 13 19-0014 | EA | 14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 702.90 | 26.80 |
| | | *For Dynamic Damper, Add* | *336.15* | |
| | | *For 3 Hour Rated, Add* | *186.75* | |
| 23 33 13 19-0015 | EA | 14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 721.76 | 28.71 |
| | | *For Dynamic Damper, Add* | *343.24* | |
| | | *For 3 Hour Rated, Add* | *190.69* | |
| 23 33 13 19-0016 | EA | 14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 764.04 | 31.97 |
| | | *For Dynamic Damper, Add* | *360.90* | |
| | | *For 3 Hour Rated, Add* | *200.50* | |
| 23 33 13 19-0017 | EA | 16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 749.07 | 25.46 |
| | | *For Dynamic Damper, Add* | *363.15* | |
| | | *For 3 Hour Rated, Add* | *201.75* | |
| 23 33 13 19-0018 | EA | 16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 762.93 | 27.37 |
| | | *For Dynamic Damper, Add* | *367.53* | |
| | | *For 3 Hour Rated, Add* | *204.19* | |
| 23 33 13 19-0019 | EA | 16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 778.71 | 30.06 |
| | | *For Dynamic Damper, Add* | *371.92* | |
| | | *For 3 Hour Rated, Add* | *206.62* | |
| 23 33 13 19-0020 | EA | 16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 792.46 | 31.97 |
| | | *For Dynamic Damper, Add* | *376.25* | |
| | | *For 3 Hour Rated, Add* | *209.03* | |
| 23 33 13 19-0021 | EA | 16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 822.30 | 35.03 |
| | | *For Dynamic Damper, Add* | *387.19* | |
| | | *For 3 Hour Rated, Add* | *215.11* | |
| 23 33 13 19-0022 | EA | 16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 852.09 | 38.29 |
| | | *For Dynamic Damper, Add* | *398.11* | |
| | | *For 3 Hour Rated, Add* | *221.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0023 | EA | 18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 761.02 | 26.80 |
| | | *For Dynamic Damper, Add* | *367.53* | |
| | | *For 3 Hour Rated, Add* | *204.19* | |
| 23 33 13 19-0024 | EA | 18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 778.85 | 28.71 |
| | | *For Dynamic Damper, Add* | *374.07* | |
| | | *For 3 Hour Rated, Add* | *207.82* | |
| 23 33 13 19-0025 | EA | 18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 800.63 | 31.97 |
| | | *For Dynamic Damper, Add* | *380.66* | |
| | | *For 3 Hour Rated, Add* | *211.48* | |
| 23 33 13 19-0026 | EA | 18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 830.42 | 35.03 |
| | | *For Dynamic Damper, Add* | *391.58* | |
| | | *For 3 Hour Rated, Add* | *217.54* | |
| 23 33 13 19-0027 | EA | 18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 856.12 | 38.29 |
| | | *For Dynamic Damper, Add* | *400.29* | |
| | | *For 3 Hour Rated, Add* | *222.38* | |
| 23 33 13 19-0028 | EA | 18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 885.91 | 41.35 |
| | | *For Dynamic Damper, Add* | *411.20* | |
| | | *For 3 Hour Rated, Add* | *228.45* | |
| 23 33 13 19-0029 | EA | 18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 907.63 | 44.60 |
| | | *For Dynamic Damper, Add* | *417.77* | |
| | | *For 3 Hour Rated, Add* | *232.09* | |
| 23 33 13 19-0030 | EA | 20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 774.87 | 28.71 |
| | | *For Dynamic Damper, Add* | *371.92* | |
| | | *For 3 Hour Rated, Add* | *206.62* | |
| 23 33 13 19-0031 | EA | 20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 800.58 | 31.97 |
| | | *For Dynamic Damper, Add* | *380.63* | |
| | | *For 3 Hour Rated, Add* | *211.46* | |
| 23 33 13 19-0032 | EA | 20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 826.34 | 35.03 |
| | | *For Dynamic Damper, Add* | *389.37* | |
| | | *For 3 Hour Rated, Add* | *216.32* | |
| 23 33 13 19-0033 | EA | 20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 868.33 | 38.29 |
| | | *For Dynamic Damper, Add* | *406.88* | |
| | | *For 3 Hour Rated, Add* | *226.04* | |
| 23 33 13 19-0034 | EA | 20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 890.00 | 41.35 |
| | | *For Dynamic Damper, Add* | *413.41* | |
| | | *For 3 Hour Rated, Add* | *229.67* | |
| 23 33 13 19-0035 | EA | 20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 911.67 | 44.60 |
| | | *For Dynamic Damper, Add* | *419.95* | |
| | | *For 3 Hour Rated, Add* | *233.30* | |
| 23 33 13 19-0036 | EA | 20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 937.42 | 47.86 |
| | | *For Dynamic Damper, Add* | *428.68* | |
| | | *For 3 Hour Rated, Add* | *238.16* | |
| 23 33 13 19-0037 | EA | 20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 963.13 | 50.92 |
| | | *For Dynamic Damper, Add* | *437.39* | |
| | | *For 3 Hour Rated, Add* | *243.00* | |
| 23 33 13 19-0038 | EA | 24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 793.14 | 31.97 |
| | | *For Dynamic Damper, Add* | *376.61* | |
| | | *For 3 Hour Rated, Add* | *209.23* | |
| 23 33 13 19-0039 | EA | 24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 819.07 | 35.03 |
| | | *For Dynamic Damper, Add* | *385.45* | |
| | | *For 3 Hour Rated, Add* | *214.14* | |
| 23 33 13 19-0040 | EA | 24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 839.58 | 38.29 |
| | | *For Dynamic Damper, Add* | *391.35* | |
| | | *For 3 Hour Rated, Add* | *217.42* | |
| 23 33 13 19-0041 | EA | 24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 865.45 | 41.35 |
| | | *For Dynamic Damper, Add* | *400.16* | |
| | | *For 3 Hour Rated, Add* | *222.31* | |
| 23 33 13 19-0042 | EA | 24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 883.20 | 44.60 |
| | | *For Dynamic Damper, Add* | *404.57* | |
| | | *For 3 Hour Rated, Add* | *224.76* | |
| 23 33 13 19-0043 | EA | 24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 900.92 | 47.86 |
| | | *For Dynamic Damper, Add* | *408.97* | |
| | | *For 3 Hour Rated, Add* | *227.21* | |
| 23 33 13 19-0044 | EA | 24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 926.83 | 50.92 |
| | | *For Dynamic Damper, Add* | *417.79* | |
| | | *For 3 Hour Rated, Add* | *232.11* | |
| 23 33 13 19-0045 | EA | 24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 962.30 | 57.43 |
| | | *For Dynamic Damper, Add* | *426.61* | |
| | | *For 3 Hour Rated, Add* | *237.01* | |
| 23 33 13 19-0046 | EA | 24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,003.24 | 63.75 |
| | | *For Dynamic Damper, Add* | *438.38* | |
| | | *For 3 Hour Rated, Add* | *243.55* | |
| 23 33 13 19-0047 | EA | 28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 819.07 | 35.03 |
| | | *For Dynamic Damper, Add* | *385.45* | |
| | | *For 3 Hour Rated, Add* | *214.14* | |
| 23 33 13 19-0048 | EA | 28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 839.58 | 38.29 |
| | | *For Dynamic Damper, Add* | *391.35* | |
| | | *For 3 Hour Rated, Add* | *217.42* | |
| 23 33 13 19-0049 | EA | 28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 865.45 | 41.35 |
| | | *For Dynamic Damper, Add* | *400.16* | |
| | | *For 3 Hour Rated, Add* | *222.31* | |
| 23 33 13 19-0050 | EA | 28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 885.92 | 44.60 |
| | | *For Dynamic Damper, Add* | *406.04* | |
| | | *For 3 Hour Rated, Add* | *225.58* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0051 | EA | 28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 909.10 | 47.86 |
| | | *For Dynamic Damper, Add* | *413.39* | |
| | | *For 3 Hour Rated, Add* | *229.66* | |
| 23 33 13 19-0052 | EA | 28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 932.26 | 50.92 |
| | | *For Dynamic Damper, Add* | *420.72* | |
| | | *For 3 Hour Rated, Add* | *233.74* | |
| 23 33 13 19-0053 | EA | 28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 967.73 | 57.43 |
| | | *For Dynamic Damper, Add* | *429.54* | |
| | | *For 3 Hour Rated, Add* | *238.64* | |
| 23 33 13 19-0054 | EA | 28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,003.24 | 63.75 |
| | | *For Dynamic Damper, Add* | *438.38* | |
| | | *For 3 Hour Rated, Add* | *243.55* | |
| 23 33 13 19-0055 | EA | 28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,045.48 | 67.00 |
| | | *For Dynamic Damper, Add* | *456.02* | |
| | | *For 3 Hour Rated, Add* | *253.35* | |
| 23 33 13 19-0056 | EA | 28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,091.86 | 73.32 |
| | | *For Dynamic Damper, Add* | *470.73* | |
| | | *For 3 Hour Rated, Add* | *261.52* | |
| 23 33 13 19-0057 | EA | 32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 855.88 | 38.29 |
| | | *For Dynamic Damper, Add* | *400.16* | |
| | | *For 3 Hour Rated, Add* | *222.31* | |
| 23 33 13 19-0058 | EA | 32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 870.88 | 41.35 |
| | | *For Dynamic Damper, Add* | *403.09* | |
| | | *For 3 Hour Rated, Add* | *223.94* | |
| 23 33 13 19-0059 | EA | 32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 885.92 | 44.60 |
| | | *For Dynamic Damper, Add* | *406.04* | |
| | | *For 3 Hour Rated, Add* | *225.58* | |
| 23 33 13 19-0060 | EA | 32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 906.35 | 47.86 |
| | | *For Dynamic Damper, Add* | *411.91* | |
| | | *For 3 Hour Rated, Add* | *228.84* | |
| 23 33 13 19-0061 | EA | 32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 933.28 | 50.92 |
| | | *For Dynamic Damper, Add* | *421.28* | |
| | | *For 3 Hour Rated, Add* | *234.04* | |
| 23 33 13 19-0062 | EA | 32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 967.73 | 57.43 |
| | | *For Dynamic Damper, Add* | *429.54* | |
| | | *For 3 Hour Rated, Add* | *238.64* | |
| 23 33 13 19-0063 | EA | 32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,008.71 | 63.75 |
| | | *For Dynamic Damper, Add* | *441.34* | |
| | | *For 3 Hour Rated, Add* | *245.19* | |
| 23 33 13 19-0064 | EA | 32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,049.65 | 70.05 |
| | | *For Dynamic Damper, Add* | *453.11* | |
| | | *For 3 Hour Rated, Add* | *251.73* | |
| 23 33 13 19-0065 | EA | 32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,091.86 | 73.32 |
| | | *For Dynamic Damper, Add* | *470.73* | |
| | | *For 3 Hour Rated, Add* | *261.52* | |
| 23 33 13 19-0066 | EA | 32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,145.33 | 78.48 |
| | | *For Dynamic Damper, Add* | *491.34* | |
| | | *For 3 Hour Rated, Add* | *272.97* | |
| 23 33 13 19-0067 | EA | 32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,202.26 | 82.88 |
| | | *For Dynamic Damper, Add* | *514.85* | |
| | | *For 3 Hour Rated, Add* | *286.03* | |
| 23 33 13 19-0068 | EA | 36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 898.84 | 41.35 |
| | | *For Dynamic Damper, Add* | *418.19* | |
| | | *For 3 Hour Rated, Add* | *232.33* | |
| 23 33 13 19-0069 | EA | 36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 920.21 | 44.60 |
| | | *For Dynamic Damper, Add* | *424.56* | |
| | | *For 3 Hour Rated, Add* | *235.87* | |
| 23 33 13 19-0070 | EA | 36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 941.62 | 47.86 |
| | | *For Dynamic Damper, Add* | *430.95* | |
| | | *For 3 Hour Rated, Add* | *239.42* | |
| 23 33 13 19-0071 | EA | 36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 968.98 | 50.92 |
| | | *For Dynamic Damper, Add* | *440.55* | |
| | | *For 3 Hour Rated, Add* | *244.75* | |
| 23 33 13 19-0072 | EA | 36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 997.03 | 57.43 |
| | | *For Dynamic Damper, Add* | *445.37* | |
| | | *For 3 Hour Rated, Add* | *247.43* | |
| 23 33 13 19-0073 | EA | 36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,015.47 | 60.49 |
| | | *For Dynamic Damper, Add* | *450.15* | |
| | | *For 3 Hour Rated, Add* | *250.09* | |
| 23 33 13 19-0074 | EA | 36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,073.81 | 70.05 |
| | | *For Dynamic Damper, Add* | *466.16* | |
| | | *For 3 Hour Rated, Add* | *258.98* | |
| 23 33 13 19-0075 | EA | 36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,122.51 | 76.57 |
| | | *For Dynamic Damper, Add* | *482.11* | |
| | | *For 3 Hour Rated, Add* | *267.84* | |
| 23 33 13 19-0076 | EA | 36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,165.68 | 79.06 |
| | | *For Dynamic Damper, Add* | *501.29* | |
| | | *For 3 Hour Rated, Add* | *278.50* | |
| 23 33 13 19-0077 | EA | 36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,230.28 | 84.80 |
| | | *For Dynamic Damper, Add* | *526.87* | |
| | | *For 3 Hour Rated, Add* | *292.71* | |
| 23 33 13 19-0078 | EA | 36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,285.06 | 89.20 |
| | | *For Dynamic Damper, Add* | *549.22* | |
| | | *For 3 Hour Rated, Add* | *305.12* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0079 | EA | 36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,342.00 | 92.45 |
| | | *For Dynamic Damper, Add* | *574.80* | |
| | | *For 3 Hour Rated, Add* | *319.33* | |
| 23 33 13 19-0080 | EA | 40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,448.74 | 47.86 |
| | | *For Dynamic Damper, Add* | *709.97* | |
| | | *For 3 Hour Rated, Add* | *394.43* | |
| 23 33 13 19-0081 | EA | 40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,490.05 | 50.92 |
| | | *For Dynamic Damper, Add* | *727.10* | |
| | | *For 3 Hour Rated, Add* | *403.95* | |
| 23 33 13 19-0082 | EA | 40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,507.60 | 54.18 |
| | | *For Dynamic Damper, Add* | *731.41* | |
| | | *For 3 Hour Rated, Add* | *406.34* | |
| 23 33 13 19-0083 | EA | 40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,525.14 | 57.43 |
| | | *For Dynamic Damper, Add* | *735.71* | |
| | | *For 3 Hour Rated, Add* | *408.73* | |
| 23 33 13 19-0084 | EA | 40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,572.09 | 60.49 |
| | | *For Dynamic Damper, Add* | *750.73* | |
| | | *For 3 Hour Rated, Add* | *417.07* | |
| 23 33 13 19-0085 | EA | 40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,609.51 | 63.75 |
| | | *For Dynamic Damper, Add* | *765.77* | |
| | | *For 3 Hour Rated, Add* | *425.43* | |
| 23 33 13 19-0086 | EA | 40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,670.02 | 73.32 |
| | | *For Dynamic Damper, Add* | *782.94* | |
| | | *For 3 Hour Rated, Add* | *434.96* | |
| 23 33 13 19-0087 | EA | 40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,720.90 | 79.63 |
| | | *For Dynamic Damper, Add* | *800.07* | |
| | | *For 3 Hour Rated, Add* | *444.49* | |
| 23 33 13 19-0088 | EA | 40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,783.94 | 84.80 |
| | | *For Dynamic Damper, Add* | *825.85* | |
| | | *For 3 Hour Rated, Add* | *458.81* | |
| 23 33 13 19-0089 | EA | 40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,884.68 | 89.20 |
| | | *For Dynamic Damper, Add* | *873.02* | |
| | | *For 3 Hour Rated, Add* | *485.01* | |
| 23 33 13 19-0090 | EA | 40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,947.64 | 94.37 |
| | | *For Dynamic Damper, Add* | *898.74* | |
| | | *For 3 Hour Rated, Add* | *499.30* | |
| 23 33 13 19-0091 | EA | 40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,042.74 | 96.86 |
| | | *For Dynamic Damper, Add* | *945.96* | |
| | | *For 3 Hour Rated, Add* | *525.53* | |
| 23 33 13 19-0092 | EA | 40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,137.53 | 102.02 |
| | | *For Dynamic Damper, Add* | *988.88* | |
| | | *For 3 Hour Rated, Add* | *549.38* | |
| 23 33 13 19-0093 | EA | 44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,474.20 | 47.86 |
| | | *For Dynamic Damper, Add* | *718.55* | |
| | | *For 3 Hour Rated, Add* | *399.19* | |
| 23 33 13 19-0094 | EA | 44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,515.57 | 50.92 |
| | | *For Dynamic Damper, Add* | *735.71* | |
| | | *For 3 Hour Rated, Add* | *408.73* | |
| 23 33 13 19-0095 | EA | 44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,549.01 | 54.18 |
| | | *For Dynamic Damper, Add* | *748.60* | |
| | | *For 3 Hour Rated, Add* | *415.89* | |
| 23 33 13 19-0096 | EA | 44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,566.55 | 57.43 |
| | | *For Dynamic Damper, Add* | *752.91* | |
| | | *For 3 Hour Rated, Add* | *418.28* | |
| 23 33 13 19-0097 | EA | 44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,607.91 | 60.49 |
| | | *For Dynamic Damper, Add* | *770.07* | |
| | | *For 3 Hour Rated, Add* | *427.82* | |
| 23 33 13 19-0098 | EA | 44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,649.22 | 63.75 |
| | | *For Dynamic Damper, Add* | *787.21* | |
| | | *For 3 Hour Rated, Add* | *437.34* | |
| 23 33 13 19-0099 | EA | 44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,727.27 | 76.57 |
| | | *For Dynamic Damper, Add* | *808.68* | |
| | | *For 3 Hour Rated, Add* | *449.27* | |
| 23 33 13 19-0100 | EA | 44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,786.07 | 82.88 |
| | | *For Dynamic Damper, Add* | *830.10* | |
| | | *For 3 Hour Rated, Add* | *461.17* | |
| 23 33 13 19-0101 | EA | 44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,884.68 | 89.20 |
| | | *For Dynamic Damper, Add* | *873.02* | |
| | | *For 3 Hour Rated, Add* | *485.01* | |
| 23 33 13 19-0102 | EA | 44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,975.33 | 95.71 |
| | | *For Dynamic Damper, Add* | *911.63* | |
| | | *For 3 Hour Rated, Add* | *506.46* | |
| 23 33 13 19-0103 | EA | 44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,073.90 | 102.02 |
| | | *For Dynamic Damper, Add* | *954.52* | |
| | | *For 3 Hour Rated, Add* | *530.29* | |
| 23 33 13 19-0104 | EA | 44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,154.97 | 105.09 |
| | | *For Dynamic Damper, Add* | *993.13* | |
| | | *For 3 Hour Rated, Add* | *551.74* | |
| 23 33 13 19-0105 | EA | 44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,236.09 | 108.34 |
| | | *For Dynamic Damper, Add* | *1,031.77* | |
| | | *For 3 Hour Rated, Add* | *573.20* | |
| 23 33 13 19-0106 | EA | 44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,317.22 | 111.59 |
| | | *For Dynamic Damper, Add* | *1,070.40* | |
| | | *For 3 Hour Rated, Add* | *594.67* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0107 | EA | 48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,507.60 | 50.92 |
| | | *For Dynamic Damper, Add* | *731.41* | |
| | | *For 3 Hour Rated, Add* | *406.34* | |
| 23 33 13 19-0108 | EA | 48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,549.01 | 54.18 |
| | | *For Dynamic Damper, Add* | *748.60* | |
| | | *For 3 Hour Rated, Add* | *415.89* | |
| 23 33 13 19-0109 | EA | 48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,566.55 | 57.43 |
| | | *For Dynamic Damper, Add* | *752.91* | |
| | | *For 3 Hour Rated, Add* | *418.28* | |
| 23 33 13 19-0110 | EA | 48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,609.51 | 63.75 |
| | | *For Dynamic Damper, Add* | *765.77* | |
| | | *For 3 Hour Rated, Add* | *425.43* | |
| 23 33 13 19-0111 | EA | 48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,660.44 | 70.05 |
| | | *For Dynamic Damper, Add* | *782.94* | |
| | | *For 3 Hour Rated, Add* | *434.96* | |
| 23 33 13 19-0112 | EA | 48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,711.33 | 76.57 |
| | | *For Dynamic Damper, Add* | *800.07* | |
| | | *For 3 Hour Rated, Add* | *444.49* | |
| 23 33 13 19-0113 | EA | 48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,778.19 | 82.88 |
| | | *For Dynamic Damper, Add* | *825.85* | |
| | | *For 3 Hour Rated, Add* | *458.81* | |
| 23 33 13 19-0114 | EA | 48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,844.97 | 89.20 |
| | | *For Dynamic Damper, Add* | *851.57* | |
| | | *For 3 Hour Rated, Add* | *473.10* | |
| 23 33 13 19-0115 | EA | 48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,935.62 | 95.71 |
| | | *For Dynamic Damper, Add* | *890.18* | |
| | | *For 3 Hour Rated, Add* | *494.55* | |
| 23 33 13 19-0116 | EA | 48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,042.11 | 102.02 |
| | | *For Dynamic Damper, Add* | *937.35* | |
| | | *For 3 Hour Rated, Add* | *520.75* | |
| 23 33 13 19-0117 | EA | 48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,123.28 | 105.09 |
| | | *For Dynamic Damper, Add* | *976.02* | |
| | | *For 3 Hour Rated, Add* | *542.23* | |
| 23 33 13 19-0118 | EA | 48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,228.12 | 108.34 |
| | | *For Dynamic Damper, Add* | *1,027.46* | |
| | | *For 3 Hour Rated, Add* | *570.81* | |
| 23 33 13 19-0119 | EA | 48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,318.82 | 114.66 |
| | | *For Dynamic Damper, Add* | *1,066.10* | |
| | | *For 3 Hour Rated, Add* | *592.28* | |
| 23 33 13 19-0120 | EA | 48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,423.76 | 117.91 |
| | | *For Dynamic Damper, Add* | *1,117.60* | |
| | | *For 3 Hour Rated, Add* | *620.89* | |
| 23 33 13 19-0121 | EA | 48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,516.00 | 127.48 |
| | | *For Dynamic Damper, Add* | *1,151.91* | |
| | | *For 3 Hour Rated, Add* | *639.95* | |
| 23 33 13 19-0122 | EA | 52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,541.04 | 54.18 |
| | | *For Dynamic Damper, Add* | *744.30* | |
| | | *For 3 Hour Rated, Add* | *413.50* | |
| 23 33 13 19-0123 | EA | 52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,582.40 | 57.43 |
| | | *For Dynamic Damper, Add* | *761.46* | |
| | | *For 3 Hour Rated, Add* | *423.04* | |
| 23 33 13 19-0124 | EA | 52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,633.33 | 63.75 |
| | | *For Dynamic Damper, Add* | *778.63* | |
| | | *For 3 Hour Rated, Add* | *432.57* | |
| 23 33 13 19-0125 | EA | 52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,660.44 | 70.05 |
| | | *For Dynamic Damper, Add* | *782.94* | |
| | | *For 3 Hour Rated, Add* | *434.96* | |
| 23 33 13 19-0126 | EA | 52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,715.36 | 76.57 |
| | | *For Dynamic Damper, Add* | *802.25* | |
| | | *For 3 Hour Rated, Add* | *445.70* | |
| 23 33 13 19-0127 | EA | 52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,770.22 | 82.88 |
| | | *For Dynamic Damper, Add* | *821.55* | |
| | | *For 3 Hour Rated, Add* | *456.41* | |
| 23 33 13 19-0128 | EA | 52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,837.05 | 89.20 |
| | | *For Dynamic Damper, Add* | *847.30* | |
| | | *For 3 Hour Rated, Add* | *470.72* | |
| 23 33 13 19-0129 | EA | 52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,903.83 | 95.71 |
| | | *For Dynamic Damper, Add* | *873.02* | |
| | | *For 3 Hour Rated, Add* | *485.01* | |
| 23 33 13 19-0130 | EA | 52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,994.47 | 102.02 |
| | | *For Dynamic Damper, Add* | *911.63* | |
| | | *For 3 Hour Rated, Add* | *506.46* | |
| 23 33 13 19-0131 | EA | 52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,108.98 | 108.34 |
| | | *For Dynamic Damper, Add* | *963.13* | |
| | | *For 3 Hour Rated, Add* | *535.07* | |
| 23 33 13 19-0132 | EA | 52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,197.94 | 111.59 |
| | | *For Dynamic Damper, Add* | *1,005.99* | |
| | | *For 3 Hour Rated, Add* | *558.89* | |
| 23 33 13 19-0133 | EA | 52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,310.90 | 114.66 |
| | | *For Dynamic Damper, Add* | *1,061.82* | |
| | | *For 3 Hour Rated, Add* | *589.90* | |
| 23 33 13 19-0134 | EA | 52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,425.31 | 121.17 |
| | | *For Dynamic Damper, Add* | *1,113.27* | |
| | | *For 3 Hour Rated, Add* | *618.48* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0135 | EA | 52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,516.00 | 127.48 |
| | | *For Dynamic Damper, Add* | *1,151.91* | |
| | | *For 3 Hour Rated, Add* | *639.95* | |
| 23 33 13 19-0136 | EA | 52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,640.03 | 137.06 |
| | | *For Dynamic Damper, Add* | *1,203.38* | |
| | | *For 3 Hour Rated, Add* | *668.54* | |
| 23 33 13 19-0137 | EA | 52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,738.65 | 143.37 |
| | | *For Dynamic Damper, Add* | *1,246.30* | |
| | | *For 3 Hour Rated, Add* | *692.39* | |
| 23 33 13 19-0138 | EA | 56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,566.55 | 57.43 |
| | | *For Dynamic Damper, Add* | *752.91* | |
| | | *For 3 Hour Rated, Add* | *418.28* | |
| 23 33 13 19-0139 | EA | 56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,625.36 | 63.75 |
| | | *For Dynamic Damper, Add* | *774.33* | |
| | | *For 3 Hour Rated, Add* | *430.18* | |
| 23 33 13 19-0140 | EA | 56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,668.36 | 70.05 |
| | | *For Dynamic Damper, Add* | *787.21* | |
| | | *For 3 Hour Rated, Add* | *437.34* | |
| 23 33 13 19-0141 | EA | 56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,695.44 | 76.57 |
| | | *For Dynamic Damper, Add* | *791.49* | |
| | | *For 3 Hour Rated, Add* | *439.72* | |
| 23 33 13 19-0142 | EA | 56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,758.31 | 82.88 |
| | | *For Dynamic Damper, Add* | *815.11* | |
| | | *For 3 Hour Rated, Add* | *452.84* | |
| 23 33 13 19-0143 | EA | 56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,821.15 | 89.20 |
| | | *For Dynamic Damper, Add* | *838.71* | |
| | | *For 3 Hour Rated, Add* | *465.95* | |
| 23 33 13 19-0144 | EA | 56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,883.95 | 95.71 |
| | | *For Dynamic Damper, Add* | *862.28* | |
| | | *For 3 Hour Rated, Add* | *479.05* | |
| 23 33 13 19-0145 | EA | 56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,946.79 | 102.02 |
| | | *For Dynamic Damper, Add* | *885.88* | |
| | | *For 3 Hour Rated, Add* | *492.16* | |
| 23 33 13 19-0146 | EA | 56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,061.25 | 108.34 |
| | | *For Dynamic Damper, Add* | *937.35* | |
| | | *For 3 Hour Rated, Add* | *520.75* | |
| 23 33 13 19-0147 | EA | 56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,166.25 | 111.59 |
| | | *For Dynamic Damper, Add* | *988.88* | |
| | | *For 3 Hour Rated, Add* | *549.38* | |
| 23 33 13 19-0148 | EA | 56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,263.17 | 114.66 |
| | | *For Dynamic Damper, Add* | *1,036.05* | |
| | | *For 3 Hour Rated, Add* | *575.58* | |
| 23 33 13 19-0149 | EA | 56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,393.57 | 121.17 |
| | | *For Dynamic Damper, Add* | *1,096.13* | |
| | | *For 3 Hour Rated, Add* | *608.96* | |
| 23 33 13 19-0150 | EA | 56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,508.03 | 127.48 |
| | | *For Dynamic Damper, Add* | *1,147.60* | |
| | | *For 3 Hour Rated, Add* | *637.56* | |
| 23 33 13 19-0151 | EA | 56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,630.47 | 133.80 |
| | | *For Dynamic Damper, Add* | *1,203.38* | |
| | | *For 3 Hour Rated, Add* | *668.54* | |
| 23 33 13 19-0152 | EA | 56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,729.08 | 140.31 |
| | | *For Dynamic Damper, Add* | *1,246.30* | |
| | | *For 3 Hour Rated, Add* | *692.39* | |
| 23 33 13 19-0153 | EA | 56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,851.51 | 146.63 |
| | | *For Dynamic Damper, Add* | *1,302.08* | |
| | | *For 3 Hour Rated, Add* | *723.38* | |
| 23 33 13 19-0154 | EA | 56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,973.95 | 152.95 |
| | | *For Dynamic Damper, Add* | *1,357.85* | |
| | | *For 3 Hour Rated, Add* | *754.36* | |
| 23 33 13 19-0155 | EA | 60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,609.51 | 63.75 |
| | | *For Dynamic Damper, Add* | *765.77* | |
| | | *For 3 Hour Rated, Add* | *425.43* | |
| 23 33 13 19-0156 | EA | 60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,668.36 | 70.05 |
| | | *For Dynamic Damper, Add* | *787.21* | |
| | | *For 3 Hour Rated, Add* | *437.34* | |
| 23 33 13 19-0157 | EA | 60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,703.41 | 76.57 |
| | | *For Dynamic Damper, Add* | *795.80* | |
| | | *For 3 Hour Rated, Add* | *442.11* | |
| 23 33 13 19-0158 | EA | 60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,730.46 | 82.88 |
| | | *For Dynamic Damper, Add* | *800.07* | |
| | | *For 3 Hour Rated, Add* | *444.49* | |
| 23 33 13 19-0159 | EA | 60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,797.33 | 89.20 |
| | | *For Dynamic Damper, Add* | *825.85* | |
| | | *For 3 Hour Rated, Add* | *458.81* | |
| 23 33 13 19-0160 | EA | 60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,864.12 | 95.71 |
| | | *For Dynamic Damper, Add* | *851.57* | |
| | | *For 3 Hour Rated, Add* | *473.10* | |
| 23 33 13 19-0161 | EA | 60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,934.88 | 102.02 |
| | | *For Dynamic Damper, Add* | *879.45* | |
| | | *For 3 Hour Rated, Add* | *488.58* | |
| 23 33 13 19-0162 | EA | 60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,005.69 | 108.34 |
| | | *For Dynamic Damper, Add* | *907.35* | |
| | | *For 3 Hour Rated, Add* | *504.08* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0163 | EA | 60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,118.56 | 111.59 |
| | | *For Dynamic Damper, Add* | *963.13* | |
| | | *For 3 Hour Rated, Add* | *535.07* | |
| 23 33 13 19-0164 | EA | 60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,223.45 | 114.66 |
| | | *For Dynamic Damper, Add* | *1,014.60* | |
| | | *For 3 Hour Rated, Add* | *563.67* | |
| 23 33 13 19-0165 | EA | 60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,345.93 | 121.17 |
| | | *For Dynamic Damper, Add* | *1,070.40* | |
| | | *For 3 Hour Rated, Add* | *594.67* | |
| 23 33 13 19-0166 | EA | 60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,468.37 | 127.48 |
| | | *For Dynamic Damper, Add* | *1,126.19* | |
| | | *For 3 Hour Rated, Add* | *625.66* | |
| 23 33 13 19-0167 | EA | 60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,566.94 | 133.80 |
| | | *For Dynamic Damper, Add* | *1,169.07* | |
| | | *For 3 Hour Rated, Add* | *649.49* | |
| 23 33 13 19-0168 | EA | 60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,713.18 | 140.31 |
| | | *For Dynamic Damper, Add* | *1,237.71* | |
| | | *For 3 Hour Rated, Add* | *687.62* | |
| 23 33 13 19-0169 | EA | 60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,843.59 | 146.63 |
| | | *For Dynamic Damper, Add* | *1,297.80* | |
| | | *For 3 Hour Rated, Add* | *721.00* | |
| 23 33 13 19-0170 | EA | 60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 2,973.95 | 152.95 |
| | | *For Dynamic Damper, Add* | *1,357.85* | |
| | | *For 3 Hour Rated, Add* | *754.36* | |
| 23 33 13 19-0171 | EA | 60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 3,088.36 | 159.45 |
| | | *For Dynamic Damper, Add* | *1,409.30* | |
| | | *For 3 Hour Rated, Add* | *782.94* | |
| 23 33 13 19-0172 | EA | 60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 3,202.97 | 165.77 |
| | | *For Dynamic Damper, Add* | *1,460.85* | |
| | | *For 3 Hour Rated, Add* | *811.58* | |

## 23 33 13 19-0173 Smoke Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

| | | | | |
|---|---|---|---|---|
| 23 33 13 19-0174 | EA | 6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 137.45 | 14.17 |
| | | *For Dynamic Damper, Add* | *51.28* | |
| | | *For 3 Hour Rated, Add* | *28.49* | |
| 23 33 13 19-0175 | EA | 8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 141.75 | 14.80 |
| | | *For Dynamic Damper, Add* | *52.56* | |
| | | *For 3 Hour Rated, Add* | *29.20* | |
| 23 33 13 19-0176 | EA | 8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 144.43 | 14.93 |
| | | *For Dynamic Damper, Add* | *53.87* | |
| | | *For 3 Hour Rated, Add* | *29.93* | |
| 23 33 13 19-0177 | EA | 10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 144.43 | 14.93 |
| | | *For Dynamic Damper, Add* | *53.87* | |
| | | *For 3 Hour Rated, Add* | *29.93* | |
| 23 33 13 19-0178 | EA | 10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 148.11 | 15.32 |
| | | *For Dynamic Damper, Add* | *55.17* | |
| | | *For 3 Hour Rated, Add* | *30.65* | |
| 23 33 13 19-0179 | EA | 10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 158.01 | 16.98 |
| | | *For Dynamic Damper, Add* | *57.76* | |
| | | *For 3 Hour Rated, Add* | *32.09* | |
| 23 33 13 19-0180 | EA | 12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 148.11 | 15.32 |
| | | *For Dynamic Damper, Add* | *55.17* | |
| | | *For 3 Hour Rated, Add* | *30.65* | |
| 23 33 13 19-0181 | EA | 12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 155.45 | 16.21 |
| | | *For Dynamic Damper, Add* | *57.76* | |
| | | *For 3 Hour Rated, Add* | *32.09* | |
| 23 33 13 19-0182 | EA | 12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 160.42 | 16.98 |
| | | *For Dynamic Damper, Add* | *59.06* | |
| | | *For 3 Hour Rated, Add* | *32.81* | |
| 23 33 13 19-0183 | EA | 12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 169.20 | 19.14 |
| | | *For Dynamic Damper, Add* | *60.36* | |
| | | *For 3 Hour Rated, Add* | *33.53* | |
| 23 33 13 19-0184 | EA | 14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 154.26 | 16.21 |
| | | *For Dynamic Damper, Add* | *57.12* | |
| | | *For 3 Hour Rated, Add* | *31.73* | |
| 23 33 13 19-0185 | EA | 14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 160.42 | 16.98 |
| | | *For Dynamic Damper, Add* | *59.06* | |
| | | *For 3 Hour Rated, Add* | *32.81* | |
| 23 33 13 19-0186 | EA | 14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 165.36 | 17.86 |
| | | *For Dynamic Damper, Add* | *60.36* | |
| | | *For 3 Hour Rated, Add* | *33.53* | |
| 23 33 13 19-0187 | EA | 14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 171.62 | 19.14 |
| | | *For Dynamic Damper, Add* | *61.66* | |
| | | *For 3 Hour Rated, Add* | *34.26* | |
| 23 33 13 19-0188 | EA | 14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 184.01 | 21.31 |
| | | *For Dynamic Damper, Add* | *64.91* | |
| | | *For 3 Hour Rated, Add* | *36.06* | |
| 23 33 13 19-0189 | EA | 16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 247.98 | 16.98 |
| | | *For Dynamic Damper, Add* | *106.34* | |
| | | *For 3 Hour Rated, Add* | *59.08* | |
| 23 33 13 19-0190 | EA | 16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 254.20 | 18.25 |
| | | *For Dynamic Damper, Add* | *107.64* | |
| | | *For 3 Hour Rated, Add* | *59.80* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0191 | EA | 16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 261.72 | 20.03 |
| | | *For Dynamic Damper, Add* | *108.94* | |
| | | *For 3 Hour Rated, Add* | *60.52* | |
| 23 33 13 19-0192 | EA | 16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 267.94 | 21.31 |
| | | *For Dynamic Damper, Add* | *110.23* | |
| | | *For 3 Hour Rated, Add* | *61.24* | |
| 23 33 13 19-0193 | EA | 16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 280.36 | 23.35 |
| | | *For Dynamic Damper, Add* | *113.49* | |
| | | *For 3 Hour Rated, Add* | *63.05* | |
| 23 33 13 19-0194 | EA | 16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 292.74 | 25.52 |
| | | *For Dynamic Damper, Add* | *116.73* | |
| | | *For 3 Hour Rated, Add* | *64.85* | |
| 23 33 13 19-0195 | EA | 18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 252.92 | 17.86 |
| | | *For Dynamic Damper, Add* | *107.64* | |
| | | *For 3 Hour Rated, Add* | *59.80* | |
| 23 33 13 19-0196 | EA | 18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 260.37 | 19.14 |
| | | *For Dynamic Damper, Add* | *109.59* | |
| | | *For 3 Hour Rated, Add* | *60.88* | |
| 23 33 13 19-0197 | EA | 18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 270.37 | 21.31 |
| | | *For Dynamic Damper, Add* | *111.54* | |
| | | *For 3 Hour Rated, Add* | *61.97* | |
| 23 33 13 19-0198 | EA | 18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 282.76 | 23.35 |
| | | *For Dynamic Damper, Add* | *114.79* | |
| | | *For 3 Hour Rated, Add* | *63.77* | |
| 23 33 13 19-0199 | EA | 18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 293.93 | 25.52 |
| | | *For Dynamic Damper, Add* | *117.37* | |
| | | *For 3 Hour Rated, Add* | *65.21* | |
| 23 33 13 19-0200 | EA | 18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 306.33 | 27.56 |
| | | *For Dynamic Damper, Add* | *120.63* | |
| | | *For 3 Hour Rated, Add* | *67.02* | |
| 23 33 13 19-0201 | EA | 18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 316.32 | 29.73 |
| | | *For Dynamic Damper, Add* | *122.58* | |
| | | *For 3 Hour Rated, Add* | *68.10* | |
| 23 33 13 19-0202 | EA | 20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 259.17 | 19.14 |
| | | *For Dynamic Damper, Add* | *108.94* | |
| | | *For 3 Hour Rated, Add* | *60.52* | |
| 23 33 13 19-0203 | EA | 20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 270.35 | 21.31 |
| | | *For Dynamic Damper, Add* | *111.53* | |
| | | *For 3 Hour Rated, Add* | *61.96* | |
| 23 33 13 19-0204 | EA | 20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 281.55 | 23.35 |
| | | *For Dynamic Damper, Add* | *114.13* | |
| | | *For 3 Hour Rated, Add* | *63.41* | |
| 23 33 13 19-0205 | EA | 20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 297.56 | 25.52 |
| | | *For Dynamic Damper, Add* | *119.33* | |
| | | *For 3 Hour Rated, Add* | *66.30* | |
| 23 33 13 19-0206 | EA | 20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 307.54 | 27.56 |
| | | *For Dynamic Damper, Add* | *121.28* | |
| | | *For 3 Hour Rated, Add* | *67.38* | |
| 23 33 13 19-0207 | EA | 20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 317.52 | 29.73 |
| | | *For Dynamic Damper, Add* | *123.23* | |
| | | *For 3 Hour Rated, Add* | *68.46* | |
| 23 33 13 19-0208 | EA | 20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 328.71 | 31.91 |
| | | *For Dynamic Damper, Add* | *125.82* | |
| | | *For 3 Hour Rated, Add* | *69.90* | |
| 23 33 13 19-0209 | EA | 20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 339.89 | 33.94 |
| | | *For Dynamic Damper, Add* | *128.41* | |
| | | *For 3 Hour Rated, Add* | *71.34* | |
| 23 33 13 19-0210 | EA | 24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 342.80 | 21.31 |
| | | *For Dynamic Damper, Add* | *150.65* | |
| | | *For 3 Hour Rated, Add* | *83.70* | |
| 23 33 13 19-0211 | EA | 24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 356.41 | 23.35 |
| | | *For Dynamic Damper, Add* | *154.56* | |
| | | *For 3 Hour Rated, Add* | *85.87* | |
| 23 33 13 19-0212 | EA | 24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 367.60 | 25.52 |
| | | *For Dynamic Damper, Add* | *157.16* | |
| | | *For 3 Hour Rated, Add* | *87.31* | |
| 23 33 13 19-0213 | EA | 24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 381.19 | 27.56 |
| | | *For Dynamic Damper, Add* | *161.06* | |
| | | *For 3 Hour Rated, Add* | *89.48* | |
| 23 33 13 19-0214 | EA | 24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 391.17 | 29.73 |
| | | *For Dynamic Damper, Add* | *163.00* | |
| | | *For 3 Hour Rated, Add* | *90.56* | |
| 23 33 13 19-0215 | EA | 24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 401.15 | 31.91 |
| | | *For Dynamic Damper, Add* | *164.94* | |
| | | *For 3 Hour Rated, Add* | *91.63* | |
| 23 33 13 19-0216 | EA | 24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 414.75 | 33.94 |
| | | *For Dynamic Damper, Add* | *168.84* | |
| | | *For 3 Hour Rated, Add* | *93.80* | |
| 23 33 13 19-0217 | EA | 24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 434.72 | 38.29 |
| | | *For Dynamic Damper, Add* | *172.73* | |
| | | *For 3 Hour Rated, Add* | *95.96* | |
| 23 33 13 19-0218 | EA | 24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 457.11 | 42.49 |
| | | *For Dynamic Damper, Add* | *177.93* | |
| | | *For 3 Hour Rated, Add* | *98.85* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0219 | EA | 28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 356.41 | 23.35 |
| | | *For Dynamic Damper, Add* | *154.56* | |
| | | *For 3 Hour Rated, Add* | *85.87* | |
| 23 33 13 19-0220 | EA | 28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 367.60 | 25.52 |
| | | *For Dynamic Damper, Add* | *157.16* | |
| | | *For 3 Hour Rated, Add* | *87.31* | |
| 23 33 13 19-0221 | EA | 28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 381.19 | 27.56 |
| | | *For Dynamic Damper, Add* | *161.06* | |
| | | *For 3 Hour Rated, Add* | *89.48* | |
| 23 33 13 19-0222 | EA | 28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 392.37 | 29.73 |
| | | *For Dynamic Damper, Add* | *163.65* | |
| | | *For 3 Hour Rated, Add* | *90.92* | |
| 23 33 13 19-0223 | EA | 28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 404.76 | 31.91 |
| | | *For Dynamic Damper, Add* | *166.89* | |
| | | *For 3 Hour Rated, Add* | *92.72* | |
| 23 33 13 19-0224 | EA | 28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 417.15 | 33.94 |
| | | *For Dynamic Damper, Add* | *170.13* | |
| | | *For 3 Hour Rated, Add* | *94.52* | |
| 23 33 13 19-0225 | EA | 28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 437.12 | 38.29 |
| | | *For Dynamic Damper, Add* | *174.03* | |
| | | *For 3 Hour Rated, Add* | *96.68* | |
| 23 33 13 19-0226 | EA | 28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 457.11 | 42.49 |
| | | *For Dynamic Damper, Add* | *177.93* | |
| | | *For 3 Hour Rated, Add* | *98.85* | |
| 23 33 13 19-0227 | EA | 28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 477.91 | 44.67 |
| | | *For Dynamic Damper, Add* | *185.72* | |
| | | *For 3 Hour Rated, Add* | *103.18* | |
| 23 33 13 19-0228 | EA | 28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 502.70 | 48.87 |
| | | *For Dynamic Damper, Add* | *192.21* | |
| | | *For 3 Hour Rated, Add* | *106.79* | |
| 23 33 13 19-0229 | EA | 32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 374.82 | 25.52 |
| | | *For Dynamic Damper, Add* | *161.06* | |
| | | *For 3 Hour Rated, Add* | *89.48* | |
| 23 33 13 19-0230 | EA | 32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 383.57 | 27.56 |
| | | *For Dynamic Damper, Add* | *162.34* | |
| | | *For 3 Hour Rated, Add* | *90.19* | |
| 23 33 13 19-0231 | EA | 32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 392.37 | 29.73 |
| | | *For Dynamic Damper, Add* | *163.65* | |
| | | *For 3 Hour Rated, Add* | *90.92* | |
| 23 33 13 19-0232 | EA | 32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 403.55 | 31.91 |
| | | *For Dynamic Damper, Add* | *166.23* | |
| | | *For 3 Hour Rated, Add* | *92.35* | |
| 23 33 13 19-0233 | EA | 32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 417.60 | 33.94 |
| | | *For Dynamic Damper, Add* | *170.38* | |
| | | *For 3 Hour Rated, Add* | *94.65* | |
| 23 33 13 19-0234 | EA | 32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 437.12 | 38.29 |
| | | *For Dynamic Damper, Add* | *174.03* | |
| | | *For 3 Hour Rated, Add* | *96.68* | |
| 23 33 13 19-0235 | EA | 32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 459.51 | 42.49 |
| | | *For Dynamic Damper, Add* | *179.23* | |
| | | *For 3 Hour Rated, Add* | *99.57* | |
| 23 33 13 19-0236 | EA | 32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 481.90 | 46.71 |
| | | *For Dynamic Damper, Add* | *184.43* | |
| | | *For 3 Hour Rated, Add* | *102.46* | |
| 23 33 13 19-0237 | EA | 32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 502.70 | 48.87 |
| | | *For Dynamic Damper, Add* | *192.21* | |
| | | *For 3 Hour Rated, Add* | *106.79* | |
| 23 33 13 19-0238 | EA | 32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 529.75 | 52.32 |
| | | *For Dynamic Damper, Add* | *201.31* | |
| | | *For 3 Hour Rated, Add* | *111.84* | |
| 23 33 13 19-0239 | EA | 32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 557.92 | 55.25 |
| | | *For Dynamic Damper, Add* | *211.69* | |
| | | *For 3 Hour Rated, Add* | *117.61* | |
| 23 33 13 19-0240 | EA | 36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 392.52 | 27.56 |
| | | *For Dynamic Damper, Add* | *167.17* | |
| | | *For 3 Hour Rated, Add* | *92.87* | |
| 23 33 13 19-0241 | EA | 36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 403.92 | 29.73 |
| | | *For Dynamic Damper, Add* | *169.88* | |
| | | *For 3 Hour Rated, Add* | *94.38* | |
| 23 33 13 19-0242 | EA | 36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 415.34 | 31.91 |
| | | *For Dynamic Damper, Add* | *172.60* | |
| | | *For 3 Hour Rated, Add* | *95.89* | |
| 23 33 13 19-0243 | EA | 36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 429.28 | 33.94 |
| | | *For Dynamic Damper, Add* | *176.68* | |
| | | *For 3 Hour Rated, Add* | *98.16* | |
| 23 33 13 19-0244 | EA | 36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 445.84 | 38.29 |
| | | *For Dynamic Damper, Add* | *178.73* | |
| | | *For 3 Hour Rated, Add* | *99.30* | |
| 23 33 13 19-0245 | EA | 36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 456.01 | 40.33 |
| | | *For Dynamic Damper, Add* | *180.78* | |
| | | *For 3 Hour Rated, Add* | *100.43* | |
| 23 33 13 19-0246 | EA | 36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 487.74 | 46.71 |
| | | *For Dynamic Damper, Add* | *187.58* | |
| | | *For 3 Hour Rated, Add* | *104.21* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0247 | EA | 36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 513.08 | 51.05 |
| | | *For Dynamic Damper, Add* | *194.37* | |
| | | *For 3 Hour Rated, Add* | *107.98* | |
| 23 33 13 19-0248 | EA | 36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 533.31 | 52.71 |
| | | *For Dynamic Damper, Add* | *202.54* | |
| | | *For 3 Hour Rated, Add* | *112.52* | |
| 23 33 13 19-0249 | EA | 36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 564.93 | 56.53 |
| | | *For Dynamic Damper, Add* | *213.41* | |
| | | *For 3 Hour Rated, Add* | *118.56* | |
| 23 33 13 19-0250 | EA | 36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 591.50 | 59.47 |
| | | *For Dynamic Damper, Add* | *222.93* | |
| | | *For 3 Hour Rated, Add* | *123.85* | |
| 23 33 13 19-0251 | EA | 36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 618.03 | 61.63 |
| | | *For Dynamic Damper, Add* | *233.81* | |
| | | *For 3 Hour Rated, Add* | *129.90* | |
| 23 33 13 19-0252 | EA | 40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 453.93 | 31.91 |
| | | *For Dynamic Damper, Add* | *196.89* | |
| | | *For 3 Hour Rated, Add* | *109.38* | |
| 23 33 13 19-0253 | EA | 40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 470.39 | 33.94 |
| | | *For Dynamic Damper, Add* | *202.33* | |
| | | *For 3 Hour Rated, Add* | *112.40* | |
| 23 33 13 19-0254 | EA | 40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 479.29 | 36.11 |
| | | *For Dynamic Damper, Add* | *203.69* | |
| | | *For 3 Hour Rated, Add* | *113.16* | |
| 23 33 13 19-0255 | EA | 40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 488.20 | 38.29 |
| | | *For Dynamic Damper, Add* | *205.05* | |
| | | *For 3 Hour Rated, Add* | *113.92* | |
| 23 33 13 19-0256 | EA | 40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 509.78 | 40.33 |
| | | *For Dynamic Damper, Add* | *209.82* | |
| | | *For 3 Hour Rated, Add* | *116.57* | |
| 23 33 13 19-0257 | EA | 40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 524.99 | 42.49 |
| | | *For Dynamic Damper, Add* | *214.59* | |
| | | *For 3 Hour Rated, Add* | *119.21* | |
| 23 33 13 19-0258 | EA | 40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 554.20 | 48.87 |
| | | *For Dynamic Damper, Add* | *220.02* | |
| | | *For 3 Hour Rated, Add* | *122.24* | |
| 23 33 13 19-0259 | EA | 40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 577.05 | 53.09 |
| | | *For Dynamic Damper, Add* | *225.47* | |
| | | *For 3 Hour Rated, Add* | *125.26* | |
| 23 33 13 19-0260 | EA | 40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 602.36 | 56.53 |
| | | *For Dynamic Damper, Add* | *233.63* | |
| | | *For 3 Hour Rated, Add* | *129.79* | |
| 23 33 13 19-0261 | EA | 40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 639.01 | 59.47 |
| | | *For Dynamic Damper, Add* | *248.59* | |
| | | *For 3 Hour Rated, Add* | *138.11* | |
| 23 33 13 19-0262 | EA | 40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 664.31 | 62.91 |
| | | *For Dynamic Damper, Add* | *256.74* | |
| | | *For 3 Hour Rated, Add* | *142.63* | |
| 23 33 13 19-0263 | EA | 40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 697.13 | 64.57 |
| | | *For Dynamic Damper, Add* | *271.71* | |
| | | *For 3 Hour Rated, Add* | *150.95* | |
| 23 33 13 19-0264 | EA | 40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 732.54 | 68.02 |
| | | *For Dynamic Damper, Add* | *285.31* | |
| | | *For 3 Hour Rated, Add* | *158.51* | |
| 23 33 13 19-0265 | EA | 44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 465.37 | 31.91 |
| | | *For Dynamic Damper, Add* | *199.62* | |
| | | *For 3 Hour Rated, Add* | *110.90* | |
| 23 33 13 19-0266 | EA | 44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 481.82 | 33.94 |
| | | *For Dynamic Damper, Add* | *205.05* | |
| | | *For 3 Hour Rated, Add* | *113.92* | |
| 23 33 13 19-0267 | EA | 44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 495.78 | 36.11 |
| | | *For Dynamic Damper, Add* | *209.15* | |
| | | *For 3 Hour Rated, Add* | *116.19* | |
| 23 33 13 19-0268 | EA | 44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 504.68 | 38.29 |
| | | *For Dynamic Damper, Add* | *210.51* | |
| | | *For 3 Hour Rated, Add* | *116.95* | |
| 23 33 13 19-0269 | EA | 44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 521.13 | 40.33 |
| | | *For Dynamic Damper, Add* | *215.95* | |
| | | *For 3 Hour Rated, Add* | *119.97* | |
| 23 33 13 19-0270 | EA | 44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 537.58 | 42.49 |
| | | *For Dynamic Damper, Add* | *221.38* | |
| | | *For 3 Hour Rated, Add* | *122.99* | |
| 23 33 13 19-0271 | EA | 44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 575.72 | 51.05 |
| | | *For Dynamic Damper, Add* | *228.19* | |
| | | *For 3 Hour Rated, Add* | *126.77* | |
| 23 33 13 19-0272 | EA | 44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 601.05 | 55.25 |
| | | *For Dynamic Damper, Add* | *234.98* | |
| | | *For 3 Hour Rated, Add* | *130.55* | |
| 23 33 13 19-0273 | EA | 44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 639.01 | 59.47 |
| | | *For Dynamic Damper, Add* | *248.59* | |
| | | *For 3 Hour Rated, Add* | *138.11* | |
| 23 33 13 19-0274 | EA | 44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 674.44 | 63.81 |
| | | *For Dynamic Damper, Add* | *260.83* | |
| | | *For 3 Hour Rated, Add* | *144.91* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0275 | EA | 44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 712.37 | 68.02 |
| | | *For Dynamic Damper, Add* | *274.42* | |
| | | *For 3 Hour Rated, Add* | *152.46* | |
| 23 33 13 19-0276 | EA | 44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 741.42 | 70.05 |
| | | *For Dynamic Damper, Add* | *286.66* | |
| | | *For 3 Hour Rated, Add* | *159.26* | |
| 23 33 13 19-0277 | EA | 44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 770.49 | 72.23 |
| | | *For Dynamic Damper, Add* | *298.91* | |
| | | *For 3 Hour Rated, Add* | *166.06* | |
| 23 33 13 19-0278 | EA | 44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 799.55 | 74.40 |
| | | *For Dynamic Damper, Add* | *311.16* | |
| | | *For 3 Hour Rated, Add* | *172.87* | |
| 23 33 13 19-0279 | EA | 48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 479.29 | 33.94 |
| | | *For Dynamic Damper, Add* | *203.69* | |
| | | *For 3 Hour Rated, Add* | *113.16* | |
| 23 33 13 19-0280 | EA | 48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 495.78 | 36.11 |
| | | *For Dynamic Damper, Add* | *209.15* | |
| | | *For 3 Hour Rated, Add* | *116.19* | |
| 23 33 13 19-0281 | EA | 48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 504.68 | 38.29 |
| | | *For Dynamic Damper, Add* | *210.51* | |
| | | *For 3 Hour Rated, Add* | *116.95* | |
| 23 33 13 19-0282 | EA | 48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 524.99 | 42.49 |
| | | *For Dynamic Damper, Add* | *214.59* | |
| | | *For 3 Hour Rated, Add* | *119.21* | |
| 23 33 13 19-0283 | EA | 48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 547.82 | 46.71 |
| | | *For Dynamic Damper, Add* | *220.02* | |
| | | *For 3 Hour Rated, Add* | *122.24* | |
| 23 33 13 19-0284 | EA | 48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 570.67 | 51.05 |
| | | *For Dynamic Damper, Add* | *225.47* | |
| | | *For 3 Hour Rated, Add* | *125.26* | |
| 23 33 13 19-0285 | EA | 48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 598.54 | 55.25 |
| | | *For Dynamic Damper, Add* | *233.63* | |
| | | *For 3 Hour Rated, Add* | *129.79* | |
| 23 33 13 19-0286 | EA | 48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 626.40 | 59.47 |
| | | *For Dynamic Damper, Add* | *241.78* | |
| | | *For 3 Hour Rated, Add* | *134.32* | |
| 23 33 13 19-0287 | EA | 48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 661.84 | 63.81 |
| | | *For Dynamic Damper, Add* | *254.03* | |
| | | *For 3 Hour Rated, Add* | *141.13* | |
| 23 33 13 19-0288 | EA | 48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 702.30 | 68.02 |
| | | *For Dynamic Damper, Add* | *268.98* | |
| | | *For 3 Hour Rated, Add* | *149.44* | |
| 23 33 13 19-0289 | EA | 48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 731.37 | 70.05 |
| | | *For Dynamic Damper, Add* | *281.24* | |
| | | *For 3 Hour Rated, Add* | *156.24* | |
| 23 33 13 19-0290 | EA | 48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 767.97 | 72.23 |
| | | *For Dynamic Damper, Add* | *297.55* | |
| | | *For 3 Hour Rated, Add* | *165.31* | |
| 23 33 13 19-0291 | EA | 48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 803.41 | 76.44 |
| | | *For Dynamic Damper, Add* | *309.80* | |
| | | *For 3 Hour Rated, Add* | *172.11* | |
| 23 33 13 19-0292 | EA | 48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 840.01 | 78.61 |
| | | *For Dynamic Damper, Add* | *326.12* | |
| | | *For 3 Hour Rated, Add* | *181.18* | |
| 23 33 13 19-0293 | EA | 48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 879.29 | 84.99 |
| | | *For Dynamic Damper, Add* | *337.00* | |
| | | *For 3 Hour Rated, Add* | *187.22* | |
| 23 33 13 19-0294 | EA | 52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 493.26 | 36.11 |
| | | *For Dynamic Damper, Add* | *207.79* | |
| | | *For 3 Hour Rated, Add* | *115.44* | |
| 23 33 13 19-0295 | EA | 52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 509.71 | 38.29 |
| | | *For Dynamic Damper, Add* | *213.22* | |
| | | *For 3 Hour Rated, Add* | *118.46* | |
| 23 33 13 19-0296 | EA | 52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 532.53 | 42.49 |
| | | *For Dynamic Damper, Add* | *218.66* | |
| | | *For 3 Hour Rated, Add* | *121.48* | |
| 23 33 13 19-0297 | EA | 52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 547.82 | 46.71 |
| | | *For Dynamic Damper, Add* | *220.02* | |
| | | *For 3 Hour Rated, Add* | *122.24* | |
| 23 33 13 19-0298 | EA | 52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 571.93 | 51.05 |
| | | *For Dynamic Damper, Add* | *226.15* | |
| | | *For 3 Hour Rated, Add* | *125.64* | |
| 23 33 13 19-0299 | EA | 52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 596.02 | 55.25 |
| | | *For Dynamic Damper, Add* | *232.26* | |
| | | *For 3 Hour Rated, Add* | *129.04* | |
| 23 33 13 19-0300 | EA | 52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 623.89 | 59.47 |
| | | *For Dynamic Damper, Add* | *240.42* | |
| | | *For 3 Hour Rated, Add* | *133.57* | |
| 23 33 13 19-0301 | EA | 52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 651.77 | 63.81 |
| | | *For Dynamic Damper, Add* | *248.59* | |
| | | *For 3 Hour Rated, Add* | *138.11* | |
| 23 33 13 19-0302 | EA | 52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 687.20 | 68.02 |
| | | *For Dynamic Damper, Add* | *260.83* | |
| | | *For 3 Hour Rated, Add* | *144.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0303 | EA | 52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 730.18 | 72.23 |
| | | *For Dynamic Damper, Add* | *277.14* | |
| | | *For 3 Hour Rated, Add* | *153.97* | |
| 23 33 13 19-0304 | EA | 52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 761.74 | 74.40 |
| | | *For Dynamic Damper, Add* | *290.74* | |
| | | *For 3 Hour Rated, Add* | *161.52* | |
| 23 33 13 19-0305 | EA | 52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 800.88 | 76.44 |
| | | *For Dynamic Damper, Add* | *308.43* | |
| | | *For 3 Hour Rated, Add* | *171.35* | |
| 23 33 13 19-0306 | EA | 52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 843.85 | 80.78 |
| | | *For Dynamic Damper, Add* | *324.75* | |
| | | *For 3 Hour Rated, Add* | *180.41* | |
| 23 33 13 19-0307 | EA | 52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 879.29 | 84.99 |
| | | *For Dynamic Damper, Add* | *337.00* | |
| | | *For 3 Hour Rated, Add* | *187.22* | |
| 23 33 13 19-0308 | EA | 52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 928.67 | 91.37 |
| | | *For Dynamic Damper, Add* | *353.32* | |
| | | *For 3 Hour Rated, Add* | *196.29* | |
| 23 33 13 19-0309 | EA | 52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 966.63 | 95.58 |
| | | *For Dynamic Damper, Add* | *366.93* | |
| | | *For 3 Hour Rated, Add* | *203.85* | |
| 23 33 13 19-0310 | EA | 56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 504.68 | 38.29 |
| | | *For Dynamic Damper, Add* | *210.51* | |
| | | *For 3 Hour Rated, Add* | *116.95* | |
| 23 33 13 19-0311 | EA | 56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 530.01 | 42.49 |
| | | *For Dynamic Damper, Add* | *217.30* | |
| | | *For 3 Hour Rated, Add* | *120.72* | |
| 23 33 13 19-0312 | EA | 56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 550.34 | 46.71 |
| | | *For Dynamic Damper, Add* | *221.38* | |
| | | *For 3 Hour Rated, Add* | *122.99* | |
| 23 33 13 19-0313 | EA | 56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 565.61 | 51.05 |
| | | *For Dynamic Damper, Add* | *222.73* | |
| | | *For 3 Hour Rated, Add* | *123.74* | |
| 23 33 13 19-0314 | EA | 56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 592.24 | 55.25 |
| | | *For Dynamic Damper, Add* | *230.22* | |
| | | *For 3 Hour Rated, Add* | *127.90* | |
| 23 33 13 19-0315 | EA | 56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 618.85 | 59.47 |
| | | *For Dynamic Damper, Add* | *237.70* | |
| | | *For 3 Hour Rated, Add* | *132.06* | |
| 23 33 13 19-0316 | EA | 56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 645.46 | 63.81 |
| | | *For Dynamic Damper, Add* | *245.18* | |
| | | *For 3 Hour Rated, Add* | *136.21* | |
| 23 33 13 19-0317 | EA | 56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 672.07 | 68.02 |
| | | *For Dynamic Damper, Add* | *252.66* | |
| | | *For 3 Hour Rated, Add* | *140.37* | |
| 23 33 13 19-0318 | EA | 56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 715.07 | 72.23 |
| | | *For Dynamic Damper, Add* | *268.98* | |
| | | *For 3 Hour Rated, Add* | *149.44* | |
| 23 33 13 19-0319 | EA | 56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 751.69 | 74.40 |
| | | *For Dynamic Damper, Add* | *285.31* | |
| | | *For 3 Hour Rated, Add* | *158.51* | |
| 23 33 13 19-0320 | EA | 56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 785.77 | 76.44 |
| | | *For Dynamic Damper, Add* | *300.27* | |
| | | *For 3 Hour Rated, Add* | *166.82* | |
| 23 33 13 19-0321 | EA | 56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 833.80 | 80.78 |
| | | *For Dynamic Damper, Add* | *319.32* | |
| | | *For 3 Hour Rated, Add* | *177.40* | |
| 23 33 13 19-0322 | EA | 56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 876.77 | 84.99 |
| | | *For Dynamic Damper, Add* | *335.64* | |
| | | *For 3 Hour Rated, Add* | *186.47* | |
| 23 33 13 19-0323 | EA | 56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 922.28 | 89.20 |
| | | *For Dynamic Damper, Add* | *353.32* | |
| | | *For 3 Hour Rated, Add* | *196.29* | |
| 23 33 13 19-0324 | EA | 56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 960.25 | 93.54 |
| | | *For Dynamic Damper, Add* | *366.93* | |
| | | *For 3 Hour Rated, Add* | *203.85* | |
| 23 33 13 19-0325 | EA | 56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,005.75 | 97.75 |
| | | *For Dynamic Damper, Add* | *384.61* | |
| | | *For 3 Hour Rated, Add* | *213.67* | |
| 23 33 13 19-0326 | EA | 56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,051.26 | 101.96 |
| | | *For Dynamic Damper, Add* | *402.29* | |
| | | *For 3 Hour Rated, Add* | *223.50* | |
| 23 33 13 19-0327 | EA | 60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 524.99 | 42.49 |
| | | *For Dynamic Damper, Add* | *214.59* | |
| | | *For 3 Hour Rated, Add* | *119.21* | |
| 23 33 13 19-0328 | EA | 60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 550.34 | 46.71 |
| | | *For Dynamic Damper, Add* | *221.38* | |
| | | *For 3 Hour Rated, Add* | *122.99* | |
| 23 33 13 19-0329 | EA | 60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 568.13 | 51.05 |
| | | *For Dynamic Damper, Add* | *224.09* | |
| | | *For 3 Hour Rated, Add* | *124.50* | |
| 23 33 13 19-0330 | EA | 60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 583.43 | 55.25 |
| | | *For Dynamic Damper, Add* | *225.47* | |
| | | *For 3 Hour Rated, Add* | *125.26* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0331 | EA | 60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 611.30 | 59.47 |
| | | *For Dynamic Damper, Add* | *233.63* | |
| | | *For 3 Hour Rated, Add* | *129.79* | |
| 23 33 13 19-0332 | EA | 60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 639.16 | 63.81 |
| | | *For Dynamic Damper, Add* | *241.78* | |
| | | *For 3 Hour Rated, Add* | *134.32* | |
| 23 33 13 19-0333 | EA | 60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 668.29 | 68.02 |
| | | *For Dynamic Damper, Add* | *250.62* | |
| | | *For 3 Hour Rated, Add* | *139.23* | |
| 23 33 13 19-0334 | EA | 60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 697.43 | 72.23 |
| | | *For Dynamic Damper, Add* | *259.46* | |
| | | *For 3 Hour Rated, Add* | *144.14* | |
| 23 33 13 19-0335 | EA | 60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 736.56 | 74.40 |
| | | *For Dynamic Damper, Add* | *277.14* | |
| | | *For 3 Hour Rated, Add* | *153.97* | |
| 23 33 13 19-0336 | EA | 60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 773.16 | 76.44 |
| | | *For Dynamic Damper, Add* | *293.46* | |
| | | *For 3 Hour Rated, Add* | *163.04* | |
| 23 33 13 19-0337 | EA | 60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 818.69 | 80.78 |
| | | *For Dynamic Damper, Add* | *311.16* | |
| | | *For 3 Hour Rated, Add* | *172.87* | |
| 23 33 13 19-0338 | EA | 60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 864.18 | 84.99 |
| | | *For Dynamic Damper, Add* | *328.84* | |
| | | *For 3 Hour Rated, Add* | *182.69* | |
| 23 33 13 19-0339 | EA | 60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 902.12 | 89.20 |
| | | *For Dynamic Damper, Add* | *342.44* | |
| | | *For 3 Hour Rated, Add* | *190.24* | |
| 23 33 13 19-0340 | EA | 60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 955.19 | 93.54 |
| | | *For Dynamic Damper, Add* | *364.20* | |
| | | *For 3 Hour Rated, Add* | *202.33* | |
| 23 33 13 19-0341 | EA | 60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,003.21 | 97.75 |
| | | *For Dynamic Damper, Add* | *383.24* | |
| | | *For 3 Hour Rated, Add* | *212.91* | |
| 23 33 13 19-0342 | EA | 60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,051.26 | 101.96 |
| | | *For Dynamic Damper, Add* | *402.29* | |
| | | *For 3 Hour Rated, Add* | *223.50* | |
| 23 33 13 19-0343 | EA | 60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,094.21 | 106.30 |
| | | *For Dynamic Damper, Add* | *418.60* | |
| | | *For 3 Hour Rated, Add* | *232.55* | |
| 23 33 13 19-0344 | EA | 60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated | 1,137.23 | 110.52 |
| | | *For Dynamic Damper, Add* | *434.94* | |
| | | *For 3 Hour Rated, Add* | *241.63* | |

## 23 33 13 19-0345 Combination Smoke/Fire Damper (Ruskin FSD60) *(23 33 13 19)*

Note: 1-1/2 hour rating, 4,000 FPM, 8" W.G., leakage class I with Firestat UL 555S air foil blades and actuator.

| | | | | |
|---|---|---|---|---|
| 23 33 13 19-0346 | EA | 6" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 898.48 | 21.31 |
| | | *For 3 Hour Rated, Add* | *333.87* | |
| 23 33 13 19-0347 | EA | 8" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 921.65 | 22.21 |
| | | *For 3 Hour Rated, Add* | *342.02* | |
| 23 33 13 19-0348 | EA | 8" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 942.68 | 22.46 |
| | | *For 3 Hour Rated, Add* | *350.27* | |
| 23 33 13 19-0349 | EA | 10" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 987.42 | 22.46 |
| | | *For 3 Hour Rated, Add* | *368.17* | |
| 23 33 13 19-0350 | EA | 10" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,010.88 | 22.97 |
| | | *For 3 Hour Rated, Add* | *376.79* | |
| 23 33 13 19-0351 | EA | 10" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,061.78 | 25.52 |
| | | *For 3 Hour Rated, Add* | *394.08* | |
| 23 33 13 19-0352 | EA | 11" x 11", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,077.93 | 27.06 |
| | | *For 3 Hour Rated, Add* | *398.60* | |
| 23 33 13 19-0353 | EA | 12" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 992.33 | 22.97 |
| | | *For 3 Hour Rated, Add* | *369.37* | |
| 23 33 13 19-0354 | EA | 12" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,038.56 | 24.37 |
| | | *For 3 Hour Rated, Add* | *386.33* | |
| 23 33 13 19-0355 | EA | 12" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,063.52 | 25.52 |
| | | *For 3 Hour Rated, Add* | *394.78* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0356 | EA | 12" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,093.97 | 28.71 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *403.14* | |
| 23 33 13 19-0357 | EA | 14" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 992.12 | 24.37 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *367.75* | |
| 23 33 13 19-0358 | EA | 14" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,026.45 | 25.52 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *379.95* | |
| 23 33 13 19-0359 | EA | 14" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,050.75 | 26.80 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *388.14* | |
| 23 33 13 19-0360 | EA | 14" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,076.95 | 28.71 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *396.33* | |
| 23 33 13 19-0361 | EA | 14" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,137.50 | 32.03 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *416.72* | |
| 23 33 13 19-0362 | EA | 16" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,062.18 | 27.44 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *391.95* | |
| 23 33 13 19-0363 | EA | 16" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,090.90 | 30.12 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *400.37* | |
| 23 33 13 19-0364 | EA | 16" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,117.68 | 32.03 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *408.79* | |
| 23 33 13 19-0365 | EA | 16" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,156.99 | 35.10 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *420.68* | |
| 23 33 13 19-0366 | EA | 16" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,193.01 | 38.29 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *431.26* | |
| 23 33 13 19-0367 | EA | 16" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,363.80 | 47.86 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *488.10* | |
| 23 33 13 19-0368 | EA | 18" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,066.00 | 28.71 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *391.95* | |
| 23 33 13 19-0369 | EA | 18" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,103.94 | 32.03 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *403.29* | |
| 23 33 13 19-0370 | EA | 18" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,141.86 | 35.10 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *414.63* | |
| 23 33 13 19-0371 | EA | 18" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,177.90 | 38.29 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *425.22* | |
| 23 33 13 19-0372 | EA | 18" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,213.92 | 41.35 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *435.80* | |
| 23 33 13 19-0373 | EA | 18" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,249.96 | 44.67 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *446.39* | |
| 23 33 13 19-0374 | EA | 20" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,140.93 | 32.03 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *418.09* | |
| 23 33 13 19-0375 | EA | 20" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,179.84 | 35.10 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *429.82* | |
| 23 33 13 19-0376 | EA | 20" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) | 1,218.74 | 38.29 |
| | | Note: Includes acuator and PFMA mounting angles for 2 sides. | | |
| | | *For 3 Hour Rated, Add* | *441.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0377 | EA | 20" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,257.65 | 41.35 |
| | | *For 3 Hour Rated, Add* | *453.29* | |
| 23 33 13 19-0378 | EA | 20" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,299.22 | 44.67 |
| | | *For 3 Hour Rated, Add* | *466.09* | |
| 23 33 13 19-0379 | EA | 20" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,333.05 | 47.86 |
| | | *For 3 Hour Rated, Add* | *475.80* | |
| 23 33 13 19-0380 | EA | 20" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,366.79 | 50.92 |
| | | *For 3 Hour Rated, Add* | *485.46* | |
| 23 33 13 19-0381 | EA | 20" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,445.15 | 57.43 |
| | | *For 3 Hour Rated, Add* | *509.15* | |
| 23 33 13 19-0382 | EA | 22" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,192.01 | 36.63 |
| | | *For 3 Hour Rated, Add* | *432.75* | |
| 23 33 13 19-0383 | EA | 22" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,232.26 | 39.82 |
| | | *For 3 Hour Rated, Add* | *445.02* | |
| 23 33 13 19-0384 | EA | 22" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,272.51 | 43.01 |
| | | *For 3 Hour Rated, Add* | *457.30* | |
| 23 33 13 19-0385 | EA | 22" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,314.08 | 46.20 |
| | | *For 3 Hour Rated, Add* | *470.10* | |
| 23 33 13 19-0386 | EA | 22" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,348.56 | 49.39 |
| | | *For 3 Hour Rated, Add* | *480.06* | |
| 23 33 13 19-0387 | EA | 22" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,387.73 | 54.24 |
| | | *For 3 Hour Rated, Add* | *490.01* | |
| 23 33 13 19-0388 | EA | 22" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,412.94 | 57.04 |
| | | *For 3 Hour Rated, Add* | *496.68* | |
| 23 33 13 19-0389 | EA | 22" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,801.28 | 71.72 |
| | | *For 3 Hour Rated, Add* | *634.35* | |
| 23 33 13 19-0390 | EA | 22" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,093.73 | 76.18 |
| | | *For 3 Hour Rated, Add* | *745.97* | |
| 23 33 13 19-0391 | EA | 24" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,236.22 | 38.29 |
| | | *For 3 Hour Rated, Add* | *448.55* | |
| 23 33 13 19-0392 | EA | 24" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,278.75 | 41.35 |
| | | *For 3 Hour Rated, Add* | *461.73* | |
| 23 33 13 19-0393 | EA | 24" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,321.29 | 44.67 |
| | | *For 3 Hour Rated, Add* | *474.92* | |
| 23 33 13 19-0394 | EA | 24" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,363.80 | 47.86 |
| | | *For 3 Hour Rated, Add* | *488.10* | |
| 23 33 13 19-0395 | EA | 24" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,399.71 | 50.92 |
| | | *For 3 Hour Rated, Add* | *498.63* | |
| 23 33 13 19-0396 | EA | 24" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,445.15 | 57.43 |
| | | *For 3 Hour Rated, Add* | *509.15* | |
| 23 33 13 19-0397 | EA | 24" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,472.29 | 60.62 |
| | | *For 3 Hour Rated, Add* | *516.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0398 | EA | 24" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,499.41 | 63.81 |
| | | *For 3 Hour Rated, Add* | *523.20* | |
| 23 33 13 19-0399 | EA | 26" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,253.68 | 39.82 |
| | | *For 3 Hour Rated, Add* | *453.59* | |
| 23 33 13 19-0400 | EA | 26" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,292.10 | 43.01 |
| | | *For 3 Hour Rated, Add* | *465.13* | |
| 23 33 13 19-0401 | EA | 26" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,339.08 | 46.20 |
| | | *For 3 Hour Rated, Add* | *480.10* | |
| 23 33 13 19-0402 | EA | 26" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,386.19 | 49.39 |
| | | *For 3 Hour Rated, Add* | *495.11* | |
| 23 33 13 19-0403 | EA | 26" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,426.80 | 54.24 |
| | | *For 3 Hour Rated, Add* | *505.64* | |
| 23 33 13 19-0404 | EA | 26" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,472.29 | 60.62 |
| | | *For 3 Hour Rated, Add* | *516.18* | |
| 23 33 13 19-0405 | EA | 26" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,501.37 | 63.04 |
| | | *For 3 Hour Rated, Add* | *524.95* | |
| 23 33 13 19-0406 | EA | 26" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,530.59 | 65.34 |
| | | *For 3 Hour Rated, Add* | *533.73* | |
| 23 33 13 19-0407 | EA | 26" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,560.56 | 68.27 |
| | | *For 3 Hour Rated, Add* | *542.20* | |
| 23 33 13 19-0408 | EA | 28" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,363.01 | 41.35 |
| | | *For 3 Hour Rated, Add* | *495.44* | |
| 23 33 13 19-0409 | EA | 28" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,408.44 | 44.67 |
| | | *For 3 Hour Rated, Add* | *509.78* | |
| 23 33 13 19-0410 | EA | 28" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,458.55 | 47.86 |
| | | *For 3 Hour Rated, Add* | *526.00* | |
| 23 33 13 19-0411 | EA | 28" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,508.74 | 50.92 |
| | | *For 3 Hour Rated, Add* | *542.24* | |
| 23 33 13 19-0412 | EA | 28" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,551.54 | 57.43 |
| | | *For 3 Hour Rated, Add* | *551.70* | |
| 23 33 13 19-0413 | EA | 28" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,601.37 | 63.81 |
| | | *For 3 Hour Rated, Add* | *563.98* | |
| 23 33 13 19-0414 | EA | 28" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,632.15 | 65.34 |
| | | *For 3 Hour Rated, Add* | *574.35* | |
| 23 33 13 19-0415 | EA | 28" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,662.80 | 67.00 |
| | | *For 3 Hour Rated, Add* | *584.72* | |
| 23 33 13 19-0416 | EA | 28" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,697.92 | 70.19 |
| | | *For 3 Hour Rated, Add* | *594.94* | |
| 23 33 13 19-0417 | EA | 28" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,731.09 | 73.38 |
| | | *For 3 Hour Rated, Add* | *604.38* | |
| 23 33 13 19-0418 | EA | 28" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,567.19 | 84.87 |
| | | *For 3 Hour Rated, Add* | *925.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0419 | EA | 30" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,372.22 | 43.01 |
| | | *For 3 Hour Rated, Add* | *497.18* | |
| 23 33 13 19-0420 | EA | 30" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,422.11 | 46.20 |
| | | *For 3 Hour Rated, Add* | *513.31* | |
| 23 33 13 19-0421 | EA | 30" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,472.04 | 49.39 |
| | | *For 3 Hour Rated, Add* | *529.45* | |
| 23 33 13 19-0422 | EA | 30" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,526.71 | 54.24 |
| | | *For 3 Hour Rated, Add* | *545.60* | |
| 23 33 13 19-0423 | EA | 30" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,564.51 | 60.62 |
| | | *For 3 Hour Rated, Add* | *553.06* | |
| 23 33 13 19-0424 | EA | 30" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,616.38 | 66.87 |
| | | *For 3 Hour Rated, Add* | *566.16* | |
| 23 33 13 19-0425 | EA | 30" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,649.21 | 68.53 |
| | | *For 3 Hour Rated, Add* | *577.35* | |
| 23 33 13 19-0426 | EA | 30" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,681.92 | 70.19 |
| | | *For 3 Hour Rated, Add* | *588.54* | |
| 23 33 13 19-0427 | EA | 30" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,718.64 | 72.99 |
| | | *For 3 Hour Rated, Add* | *599.76* | |
| 23 33 13 19-0428 | EA | 30" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,755.21 | 75.93 |
| | | *For 3 Hour Rated, Add* | *610.97* | |
| 23 33 13 19-0429 | EA | 30" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,800.69 | 78.87 |
| | | *For 3 Hour Rated, Add* | *625.59* | |
| 23 33 13 19-0430 | EA | 30" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,969.44 | 80.65 |
| | | *For 3 Hour Rated, Add* | *690.89* | |
| 23 33 13 19-0431 | EA | 30" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,719.84 | 98.90 |
| | | *For 3 Hour Rated, Add* | *969.26* | |
| 23 33 13 19-0432 | EA | 32" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,557.72 | 47.86 |
| | | *For 3 Hour Rated, Add* | *565.66* | |
| 23 33 13 19-0433 | EA | 32" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,599.46 | 50.92 |
| | | *For 3 Hour Rated, Add* | *578.53* | |
| 23 33 13 19-0434 | EA | 32" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,647.00 | 57.43 |
| | | *For 3 Hour Rated, Add* | *589.89* | |
| 23 33 13 19-0435 | EA | 32" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,706.63 | 63.81 |
| | | *For 3 Hour Rated, Add* | *606.08* | |
| 23 33 13 19-0436 | EA | 32" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,766.18 | 70.05 |
| | | *For 3 Hour Rated, Add* | *622.25* | |
| 23 33 13 19-0437 | EA | 32" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,801.28 | 71.72 |
| | | *For 3 Hour Rated, Add* | *634.35* | |
| 23 33 13 19-0438 | EA | 32" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,836.25 | 73.38 |
| | | *For 3 Hour Rated, Add* | *646.44* | |
| 23 33 13 19-0439 | EA | 32" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,879.28 | 75.93 |
| | | *For 3 Hour Rated, Add* | *660.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0440 | EA | 32" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,922.31 | 78.48 |
| | | *For 3 Hour Rated, Add* | *674.75* | |
| 23 33 13 19-0441 | EA | 32" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,969.44 | 80.65 |
| | | *For 3 Hour Rated, Add* | *690.89* | |
| 23 33 13 19-0442 | EA | 32" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,016.41 | 82.94 |
| | | *For 3 Hour Rated, Add* | *707.03* | |
| 23 33 13 19-0443 | EA | 32" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,339.33 | 86.01 |
| | | *For 3 Hour Rated, Add* | *832.37* | |
| 23 33 13 19-0444 | EA | 34" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,815.51 | 49.39 |
| | | *For 3 Hour Rated, Add* | *666.84* | |
| 23 33 13 19-0445 | EA | 34" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,857.54 | 54.24 |
| | | *For 3 Hour Rated, Add* | *677.93* | |
| 23 33 13 19-0446 | EA | 34" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,897.51 | 58.96 |
| | | *For 3 Hour Rated, Add* | *688.15* | |
| 23 33 13 19-0447 | EA | 34" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 1,975.70 | 66.87 |
| | | *For 3 Hour Rated, Add* | *709.88* | |
| 23 33 13 19-0448 | EA | 34" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,049.08 | 73.38 |
| | | *For 3 Hour Rated, Add* | *731.58* | |
| 23 33 13 19-0449 | EA | 34" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,089.39 | 74.78 |
| | | *For 3 Hour Rated, Add* | *745.97* | |
| 23 33 13 19-0450 | EA | 34" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,129.72 | 76.18 |
| | | *For 3 Hour Rated, Add* | *760.36* | |
| 23 33 13 19-0451 | EA | 34" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,182.93 | 78.87 |
| | | *For 3 Hour Rated, Add* | *778.43* | |
| 23 33 13 19-0452 | EA | 34" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,236.26 | 81.68 |
| | | *For 3 Hour Rated, Add* | *796.50* | |
| 23 33 13 19-0453 | EA | 34" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,287.86 | 83.84 |
| | | *For 3 Hour Rated, Add* | *814.43* | |
| 23 33 13 19-0454 | EA | 34" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,339.33 | 86.01 |
| | | *For 3 Hour Rated, Add* | *832.37* | |
| 23 33 13 19-0455 | EA | 34" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,392.05 | 88.31 |
| | | *For 3 Hour Rated, Add* | *850.70* | |
| 23 33 13 19-0456 | EA | 34" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,231.89 | 90.86 |
| | | *For 3 Hour Rated, Add* | *783.62* | |
| 23 33 13 19-0457 | EA | 36" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,086.87 | 50.92 |
| | | *For 3 Hour Rated, Add* | *773.49* | |
| 23 33 13 19-0458 | EA | 36" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,127.13 | 57.43 |
| | | *For 3 Hour Rated, Add* | *781.94* | |
| 23 33 13 19-0459 | EA | 36" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,157.73 | 60.49 |
| | | *For 3 Hour Rated, Add* | *790.35* | |
| 23 33 13 19-0460 | EA | 36" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,256.65 | 70.05 |
| | | *For 3 Hour Rated, Add* | *818.44* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0461 | EA | 36" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,345.84 | 76.57 |
| | | *For 3 Hour Rated, Add* | *846.45* | |
| 23 33 13 19-0462 | EA | 36" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,391.76 | 77.84 |
| | | *For 3 Hour Rated, Add* | *863.29* | |
| 23 33 13 19-0463 | EA | 36" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,437.69 | 79.12 |
| | | *For 3 Hour Rated, Add* | *880.13* | |
| 23 33 13 19-0464 | EA | 36" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,502.50 | 81.93 |
| | | *For 3 Hour Rated, Add* | *902.58* | |
| 23 33 13 19-0465 | EA | 36" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,567.19 | 84.87 |
| | | *For 3 Hour Rated, Add* | *925.04* | |
| 23 33 13 19-0466 | EA | 36" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,623.00 | 87.03 |
| | | *For 3 Hour Rated, Add* | *944.66* | |
| 23 33 13 19-0467 | EA | 36" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,678.68 | 89.20 |
| | | *For 3 Hour Rated, Add* | *964.28* | |
| 23 33 13 19-0468 | EA | 36" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,739.67 | 90.86 |
| | | *For 3 Hour Rated, Add* | *986.74* | |
| 23 33 13 19-0469 | EA | 36" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,800.53 | 92.52 |
| | | *For 3 Hour Rated, Add* | *1,009.19* | |
| 23 33 13 19-0470 | EA | 38" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,168.95 | 62.15 |
| | | *For 3 Hour Rated, Add* | *792.90* | |
| 23 33 13 19-0471 | EA | 38" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,255.07 | 71.72 |
| | | *For 3 Hour Rated, Add* | *815.86* | |
| 23 33 13 19-0472 | EA | 38" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,331.49 | 78.09 |
| | | *For 3 Hour Rated, Add* | *838.77* | |
| 23 33 13 19-0473 | EA | 38" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,375.01 | 80.02 |
| | | *For 3 Hour Rated, Add* | *853.89* | |
| 23 33 13 19-0474 | EA | 38" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,418.55 | 81.93 |
| | | *For 3 Hour Rated, Add* | *869.00* | |
| 23 33 13 19-0475 | EA | 38" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,484.88 | 84.48 |
| | | *For 3 Hour Rated, Add* | *892.48* | |
| 23 33 13 19-0476 | EA | 38" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,551.23 | 87.03 |
| | | *For 3 Hour Rated, Add* | *915.95* | |
| 23 33 13 19-0477 | EA | 38" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,599.60 | 89.46 |
| | | *For 3 Hour Rated, Add* | *932.44* | |
| 23 33 13 19-0478 | EA | 38" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,647.98 | 91.75 |
| | | *For 3 Hour Rated, Add* | *948.94* | |
| 23 33 13 19-0479 | EA | 38" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,711.06 | 93.29 |
| | | *For 3 Hour Rated, Add* | *972.43* | |
| 23 33 13 19-0480 | EA | 38" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,774.10 | 94.69 |
| | | *For 3 Hour Rated, Add* | *995.91* | |
| 23 33 13 19-0481 | EA | 38" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,838.59 | 96.10 |
| | | *For 3 Hour Rated, Add* | *1,019.97* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0482 | EA | 40" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,253.36 | 73.38 |
| | | *For 3 Hour Rated, Add* | *813.29* | |
| 23 33 13 19-0483 | EA | 40" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,317.01 | 79.63 |
| | | *For 3 Hour Rated, Add* | *831.09* | |
| 23 33 13 19-0484 | EA | 40" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,358.14 | 82.18 |
| | | *For 3 Hour Rated, Add* | *844.48* | |
| 23 33 13 19-0485 | EA | 40" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,399.28 | 84.87 |
| | | *For 3 Hour Rated, Add* | *857.88* | |
| 23 33 13 19-0486 | EA | 40" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,467.28 | 87.03 |
| | | *For 3 Hour Rated, Add* | *882.37* | |
| 23 33 13 19-0487 | EA | 40" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,535.15 | 89.20 |
| | | *For 3 Hour Rated, Add* | *906.87* | |
| 23 33 13 19-0488 | EA | 40" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,576.21 | 91.75 |
| | | *For 3 Hour Rated, Add* | *920.23* | |
| 23 33 13 19-0489 | EA | 40" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,617.27 | 94.44 |
| | | *For 3 Hour Rated, Add* | *933.59* | |
| 23 33 13 19-0490 | EA | 40" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,682.42 | 95.58 |
| | | *For 3 Hour Rated, Add* | *958.12* | |
| 23 33 13 19-0491 | EA | 40" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,747.56 | 96.86 |
| | | *For 3 Hour Rated, Add* | *982.64* | |
| 23 33 13 19-0492 | EA | 40" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,810.94 | 99.41 |
| | | *For 3 Hour Rated, Add* | *1,004.93* | |
| 23 33 13 19-0493 | EA | 40" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,874.33 | 102.09 |
| | | *For 3 Hour Rated, Add* | *1,027.22* | |
| 23 33 13 19-0494 | EA | 40" x 66", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,035.58 | 143.94 |
| | | *For 3 Hour Rated, Add* | *1,441.08* | |
| 23 33 13 19-0495 | EA | 42" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,291.65 | 74.90 |
| | | *For 3 Hour Rated, Add* | *826.66* | |
| 23 33 13 19-0496 | EA | 42" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,360.86 | 81.28 |
| | | *For 3 Hour Rated, Add* | *846.69* | |
| 23 33 13 19-0497 | EA | 42" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,414.01 | 84.10 |
| | | *For 3 Hour Rated, Add* | *864.53* | |
| 23 33 13 19-0498 | EA | 42" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,467.28 | 87.03 |
| | | *For 3 Hour Rated, Add* | *882.37* | |
| 23 33 13 19-0499 | EA | 42" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,531.00 | 89.72 |
| | | *For 3 Hour Rated, Add* | *904.64* | |
| 23 33 13 19-0500 | EA | 42" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,594.86 | 92.52 |
| | | *For 3 Hour Rated, Add* | *926.92* | |
| 23 33 13 19-0501 | EA | 42" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,648.09 | 95.33 |
| | | *For 3 Hour Rated, Add* | *944.74* | |
| 23 33 13 19-0502 | EA | 42" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,701.20 | 98.26 |
| | | *For 3 Hour Rated, Add* | *962.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0503 | EA | 42" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,761.25 | 99.54 |
| | | *For 3 Hour Rated, Add* | *984.85* | |
| 23 33 13 19-0504 | EA | 42" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,821.31 | 100.95 |
| | | *For 3 Hour Rated, Add* | *1,007.14* | |
| 23 33 13 19-0505 | EA | 42" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,880.39 | 103.11 |
| | | *For 3 Hour Rated, Add* | *1,028.32* | |
| 23 33 13 19-0506 | EA | 42" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,939.59 | 105.15 |
| | | *For 3 Hour Rated, Add* | *1,049.50* | |
| 23 33 13 19-0507 | EA | 42" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,999.99 | 107.33 |
| | | *For 3 Hour Rated, Add* | *1,071.11* | |
| 23 33 13 19-0508 | EA | 44" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,329.81 | 76.57 |
| | | *For 3 Hour Rated, Add* | *840.04* | |
| 23 33 13 19-0509 | EA | 44" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,404.56 | 82.94 |
| | | *For 3 Hour Rated, Add* | *862.29* | |
| 23 33 13 19-0510 | EA | 44" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,469.86 | 86.01 |
| | | *For 3 Hour Rated, Add* | *884.58* | |
| 23 33 13 19-0511 | EA | 44" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,535.15 | 89.20 |
| | | *For 3 Hour Rated, Add* | *906.87* | |
| 23 33 13 19-0512 | EA | 44" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,594.86 | 92.52 |
| | | *For 3 Hour Rated, Add* | *926.92* | |
| 23 33 13 19-0513 | EA | 44" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,654.58 | 95.71 |
| | | *For 3 Hour Rated, Add* | *946.98* | |
| 23 33 13 19-0514 | EA | 44" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,719.84 | 98.90 |
| | | *For 3 Hour Rated, Add* | *969.26* | |
| 23 33 13 19-0515 | EA | 44" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,785.09 | 102.09 |
| | | *For 3 Hour Rated, Add* | *991.53* | |
| 23 33 13 19-0516 | EA | 44" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,840.08 | 103.62 |
| | | *For 3 Hour Rated, Add* | *1,011.58* | |
| 23 33 13 19-0517 | EA | 44" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,894.93 | 105.15 |
| | | *For 3 Hour Rated, Add* | *1,031.64* | |
| 23 33 13 19-0518 | EA | 44" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,949.96 | 106.68 |
| | | *For 3 Hour Rated, Add* | *1,051.71* | |
| 23 33 13 19-0519 | EA | 44" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,004.84 | 108.34 |
| | | *For 3 Hour Rated, Add* | *1,071.77* | |
| 23 33 13 19-0520 | EA | 44" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,059.87 | 110.00 |
| | | *For 3 Hour Rated, Add* | *1,091.84* | |
| 23 33 13 19-0521 | EA | 44" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,114.76 | 111.66 |
| | | *For 3 Hour Rated, Add* | *1,111.91* | |
| 23 33 13 19-0522 | EA | 46" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,361.67 | 79.76 |
| | | *For 3 Hour Rated, Add* | *848.96* | |
| 23 33 13 19-0523 | EA | 46" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,442.01 | 86.01 |
| | | *For 3 Hour Rated, Add* | *873.44* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0524 | EA | 46" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,504.51 | 89.20 |
| | | *For 3 Hour Rated, Add* | *894.61* | |
| 23 33 13 19-0525 | EA | 46" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,567.02 | 92.52 |
| | | *For 3 Hour Rated, Add* | *915.78* | |
| 23 33 13 19-0526 | EA | 46" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,632.28 | 95.71 |
| | | *For 3 Hour Rated, Add* | *938.06* | |
| 23 33 13 19-0527 | EA | 46" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,697.54 | 98.90 |
| | | *For 3 Hour Rated, Add* | *960.34* | |
| 23 33 13 19-0528 | EA | 46" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,757.63 | 101.20 |
| | | *For 3 Hour Rated, Add* | *981.51* | |
| 23 33 13 19-0529 | EA | 46" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,817.85 | 103.62 |
| | | *For 3 Hour Rated, Add* | *1,002.69* | |
| 23 33 13 19-0530 | EA | 46" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,881.04 | 105.15 |
| | | *For 3 Hour Rated, Add* | *1,026.08* | |
| 23 33 13 19-0531 | EA | 46" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,944.36 | 106.68 |
| | | *For 3 Hour Rated, Add* | *1,049.47* | |
| 23 33 13 19-0532 | EA | 46" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,001.69 | 109.11 |
| | | *For 3 Hour Rated, Add* | *1,069.54* | |
| 23 33 13 19-0533 | EA | 46" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,059.00 | 111.53 |
| | | *For 3 Hour Rated, Add* | *1,089.60* | |
| 23 33 13 19-0534 | EA | 46" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,122.36 | 113.19 |
| | | *For 3 Hour Rated, Add* | *1,113.01* | |
| 23 33 13 19-0535 | EA | 46" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,185.62 | 114.72 |
| | | *For 3 Hour Rated, Add* | *1,136.42* | |
| 23 33 13 19-0536 | EA | 46" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,250.21 | 116.38 |
| | | *For 3 Hour Rated, Add* | *1,160.32* | |
| 23 33 13 19-0537 | EA | 48" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,393.53 | 82.94 |
| | | *For 3 Hour Rated, Add* | *857.88* | |
| 23 33 13 19-0538 | EA | 48" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,479.46 | 89.20 |
| | | *For 3 Hour Rated, Add* | *884.59* | |
| 23 33 13 19-0539 | EA | 48" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,539.17 | 92.52 |
| | | *For 3 Hour Rated, Add* | *904.64* | |
| 23 33 13 19-0540 | EA | 48" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,598.88 | 95.71 |
| | | *For 3 Hour Rated, Add* | *924.70* | |
| 23 33 13 19-0541 | EA | 48" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,669.70 | 98.90 |
| | | *For 3 Hour Rated, Add* | *949.20* | |
| 23 33 13 19-0542 | EA | 48" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,740.51 | 102.09 |
| | | *For 3 Hour Rated, Add* | *973.70* | |
| 23 33 13 19-0543 | EA | 48" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,795.57 | 103.62 |
| | | *For 3 Hour Rated, Add* | *993.78* | |
| 23 33 13 19-0544 | EA | 48" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,850.49 | 105.15 |
| | | *For 3 Hour Rated, Add* | *1,013.86* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0545 | EA | 48" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,922.14 | 106.68 |
| | | *For 3 Hour Rated, Add* | *1,040.58* | |
| 23 33 13 19-0546 | EA | 48" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,993.67 | 108.34 |
| | | *For 3 Hour Rated, Add* | *1,067.30* | |
| 23 33 13 19-0547 | EA | 48" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,053.41 | 111.53 |
| | | *For 3 Hour Rated, Add* | *1,087.37* | |
| 23 33 13 19-0548 | EA | 48" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,113.16 | 114.72 |
| | | *For 3 Hour Rated, Add* | *1,107.44* | |
| 23 33 13 19-0549 | EA | 48" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,184.87 | 116.25 |
| | | *For 3 Hour Rated, Add* | *1,134.18* | |
| 23 33 13 19-0550 | EA | 48" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,256.47 | 117.91 |
| | | *For 3 Hour Rated, Add* | *1,160.94* | |
| 23 33 13 19-0551 | EA | 48" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,315.43 | 122.76 |
| | | *For 3 Hour Rated, Add* | *1,178.75* | |
| 23 33 13 19-0552 | EA | 48" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,374.27 | 127.48 |
| | | *For 3 Hour Rated, Add* | *1,196.57* | |
| 23 33 13 19-0553 | EA | 48" x 54", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,597.22 | 138.71 |
| | | *For 3 Hour Rated, Add* | *1,272.33* | |
| 23 33 13 19-0554 | EA | 50" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,516.89 | 92.52 |
| | | *For 3 Hour Rated, Add* | *895.73* | |
| 23 33 13 19-0555 | EA | 50" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,576.59 | 95.71 |
| | | *For 3 Hour Rated, Add* | *915.78* | |
| 23 33 13 19-0556 | EA | 50" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,636.30 | 98.90 |
| | | *For 3 Hour Rated, Add* | *935.84* | |
| 23 33 13 19-0557 | EA | 50" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,709.92 | 102.09 |
| | | *For 3 Hour Rated, Add* | *961.46* | |
| 23 33 13 19-0558 | EA | 50" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,783.56 | 105.15 |
| | | *For 3 Hour Rated, Add* | *987.09* | |
| 23 33 13 19-0559 | EA | 50" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,841.34 | 106.81 |
| | | *For 3 Hour Rated, Add* | *1,008.26* | |
| 23 33 13 19-0560 | EA | 50" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,898.98 | 108.34 |
| | | *For 3 Hour Rated, Add* | *1,029.43* | |
| 23 33 13 19-0561 | EA | 50" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,973.48 | 109.87 |
| | | *For 3 Hour Rated, Add* | *1,057.29* | |
| 23 33 13 19-0562 | EA | 50" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,047.86 | 111.53 |
| | | *For 3 Hour Rated, Add* | *1,085.15* | |
| 23 33 13 19-0563 | EA | 50" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,115.91 | 114.72 |
| | | *For 3 Hour Rated, Add* | *1,108.54* | |
| 23 33 13 19-0564 | EA | 50" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,183.97 | 117.91 |
| | | *For 3 Hour Rated, Add* | *1,131.94* | |
| 23 33 13 19-0565 | EA | 50" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,249.63 | 120.34 |
| | | *For 3 Hour Rated, Add* | *1,155.34* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0566 | EA | 50" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,315.43 | 122.76 |
| | | *For 3 Hour Rated, Add* | *1,178.75* | |
| 23 33 13 19-0567 | EA | 50" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,385.41 | 127.48 |
| | | *For 3 Hour Rated, Add* | *1,201.03* | |
| 23 33 13 19-0568 | EA | 50" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,455.53 | 132.33 |
| | | *For 3 Hour Rated, Add* | *1,223.31* | |
| 23 33 13 19-0569 | EA | 50" x 50", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,527.05 | 137.18 |
| | | *For 3 Hour Rated, Add* | *1,245.99* | |
| 23 33 13 19-0570 | EA | 52" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,554.30 | 95.71 |
| | | *For 3 Hour Rated, Add* | *906.87* | |
| 23 33 13 19-0571 | EA | 52" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,614.00 | 98.90 |
| | | *For 3 Hour Rated, Add* | *926.92* | |
| 23 33 13 19-0572 | EA | 52" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,673.72 | 102.09 |
| | | *For 3 Hour Rated, Add* | *946.98* | |
| 23 33 13 19-0573 | EA | 52" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,750.15 | 105.15 |
| | | *For 3 Hour Rated, Add* | *973.72* | |
| 23 33 13 19-0574 | EA | 52" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,826.59 | 108.34 |
| | | *For 3 Hour Rated, Add* | *1,000.47* | |
| 23 33 13 19-0575 | EA | 52" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,887.10 | 110.00 |
| | | *For 3 Hour Rated, Add* | *1,022.74* | |
| 23 33 13 19-0576 | EA | 52" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,947.49 | 111.66 |
| | | *For 3 Hour Rated, Add* | *1,045.00* | |
| 23 33 13 19-0577 | EA | 52" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,024.82 | 113.19 |
| | | *For 3 Hour Rated, Add* | *1,074.00* | |
| 23 33 13 19-0578 | EA | 52" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,102.05 | 114.72 |
| | | *For 3 Hour Rated, Add* | *1,103.00* | |
| 23 33 13 19-0579 | EA | 52" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,178.41 | 117.91 |
| | | *For 3 Hour Rated, Add* | *1,129.71* | |
| 23 33 13 19-0580 | EA | 52" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,254.79 | 121.23 |
| | | *For 3 Hour Rated, Add* | *1,156.44* | |
| 23 33 13 19-0581 | EA | 52" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,314.52 | 124.29 |
| | | *For 3 Hour Rated, Add* | *1,176.50* | |
| 23 33 13 19-0582 | EA | 52" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,374.27 | 127.48 |
| | | *For 3 Hour Rated, Add* | *1,196.57* | |
| 23 33 13 19-0583 | EA | 52" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,455.53 | 132.33 |
| | | *For 3 Hour Rated, Add* | *1,223.31* | |
| 23 33 13 19-0584 | EA | 52" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,536.65 | 137.06 |
| | | *For 3 Hour Rated, Add* | *1,250.04* | |
| 23 33 13 19-0585 | EA | 52" x 50", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,601.94 | 140.25 |
| | | *For 3 Hour Rated, Add* | *1,272.33* | |
| 23 33 13 19-0586 | EA | 52" x 52", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,667.24 | 143.44 |
| | | *For 3 Hour Rated, Add* | *1,294.62* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0587 | EA | 52" x 56", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,309.27 | 146.63 |
| | | *For 3 Hour Rated, Add* | *1,547.60* | |
| 23 33 13 19-0588 | EA | 54" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,716.68 | 105.15 |
| | | *For 3 Hour Rated, Add* | *960.34* | |
| 23 33 13 19-0589 | EA | 54" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,790.71 | 107.58 |
| | | *For 3 Hour Rated, Add* | *987.09* | |
| 23 33 13 19-0590 | EA | 54" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,864.87 | 110.00 |
| | | *For 3 Hour Rated, Add* | *1,013.84* | |
| 23 33 13 19-0591 | EA | 54" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,928.06 | 111.53 |
| | | *For 3 Hour Rated, Add* | *1,037.23* | |
| 23 33 13 19-0592 | EA | 54" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,991.35 | 113.19 |
| | | *For 3 Hour Rated, Add* | *1,060.61* | |
| 23 33 13 19-0593 | EA | 54" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,073.75 | 115.49 |
| | | *For 3 Hour Rated, Add* | *1,090.71* | |
| 23 33 13 19-0594 | EA | 54" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,156.16 | 117.91 |
| | | *For 3 Hour Rated, Add* | *1,120.81* | |
| 23 33 13 19-0595 | EA | 54" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,232.55 | 121.10 |
| | | *For 3 Hour Rated, Add* | *1,147.54* | |
| 23 33 13 19-0596 | EA | 54" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,308.94 | 124.29 |
| | | *For 3 Hour Rated, Add* | *1,174.27* | |
| 23 33 13 19-0597 | EA | 54" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,379.81 | 127.48 |
| | | *For 3 Hour Rated, Add* | *1,198.79* | |
| 23 33 13 19-0598 | EA | 54" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,450.68 | 130.67 |
| | | *For 3 Hour Rated, Add* | *1,223.31* | |
| 23 33 13 19-0599 | EA | 54" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,523.95 | 134.64 |
| | | *For 3 Hour Rated, Add* | *1,247.82* | |
| 23 33 13 19-0600 | EA | 54" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,597.22 | 138.71 |
| | | *For 3 Hour Rated, Add* | *1,272.33* | |
| 23 33 13 19-0601 | EA | 56" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,849.33 | 95.71 |
| | | *For 3 Hour Rated, Add* | *1,024.88* | |
| 23 33 13 19-0602 | EA | 56" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 2,938.60 | 102.09 |
| | | *For 3 Hour Rated, Add* | *1,052.93* | |
| 23 33 13 19-0603 | EA | 56" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,024.64 | 105.15 |
| | | *For 3 Hour Rated, Add* | *1,083.52* | |
| 23 33 13 19-0604 | EA | 56" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,110.68 | 108.34 |
| | | *For 3 Hour Rated, Add* | *1,114.11* | |
| 23 33 13 19-0605 | EA | 56" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,192.09 | 110.00 |
| | | *For 3 Hour Rated, Add* | *1,144.73* | |
| 23 33 13 19-0606 | EA | 56" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,273.36 | 111.66 |
| | | *For 3 Hour Rated, Add* | *1,175.35* | |
| 23 33 13 19-0607 | EA | 56" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,348.28 | 113.19 |
| | | *For 3 Hour Rated, Add* | *1,203.38* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0608 | EA | 56" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,423.09 | 114.72 |
| | | *For 3 Hour Rated, Add* | *1,231.41* | |
| 23 33 13 19-0609 | EA | 56" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,521.93 | 117.91 |
| | | *For 3 Hour Rated, Add* | *1,267.12* | |
| 23 33 13 19-0610 | EA | 56" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,620.76 | 121.23 |
| | | *For 3 Hour Rated, Add* | *1,302.82* | |
| 23 33 13 19-0611 | EA | 56" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,706.80 | 124.29 |
| | | *For 3 Hour Rated, Add* | *1,333.41* | |
| 23 33 13 19-0612 | EA | 56" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,792.86 | 127.48 |
| | | *For 3 Hour Rated, Add* | *1,364.01* | |
| 23 33 13 19-0613 | EA | 56" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,051.06 | 137.06 |
| | | *For 3 Hour Rated, Add* | *1,455.80* | |
| 23 33 13 19-0614 | EA | 56" x 52", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,309.27 | 146.63 |
| | | *For 3 Hour Rated, Add* | *1,547.60* | |
| 23 33 13 19-0615 | EA | 56" x 56", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,494.16 | 153.01 |
| | | *For 3 Hour Rated, Add* | *1,613.90* | |
| 23 33 13 19-0616 | EA | 56" x 72", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 5,292.45 | 177.00 |
| | | *For 3 Hour Rated, Add* | *1,904.63* | |
| 23 33 13 19-0617 | EA | 58" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,153.82 | 110.00 |
| | | *For 3 Hour Rated, Add* | *1,129.42* | |
| 23 33 13 19-0618 | EA | 58" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,235.07 | 111.53 |
| | | *For 3 Hour Rated, Add* | *1,160.03* | |
| 23 33 13 19-0619 | EA | 58" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,316.42 | 113.19 |
| | | *For 3 Hour Rated, Add* | *1,190.64* | |
| 23 33 13 19-0620 | EA | 58" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,400.07 | 115.49 |
| | | *For 3 Hour Rated, Add* | *1,221.24* | |
| 23 33 13 19-0621 | EA | 58" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,483.70 | 117.91 |
| | | *For 3 Hour Rated, Add* | *1,251.83* | |
| 23 33 13 19-0622 | EA | 58" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,579.35 | 121.10 |
| | | *For 3 Hour Rated, Add* | *1,286.26* | |
| 23 33 13 19-0623 | EA | 58" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,674.98 | 124.29 |
| | | *For 3 Hour Rated, Add* | *1,320.68* | |
| 23 33 13 19-0624 | EA | 58" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,754.65 | 127.48 |
| | | *For 3 Hour Rated, Add* | *1,348.72* | |
| 23 33 13 19-0625 | EA | 58" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,834.31 | 130.67 |
| | | *For 3 Hour Rated, Add* | *1,376.76* | |
| 23 33 13 19-0626 | EA | 58" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,936.32 | 133.87 |
| | | *For 3 Hour Rated, Add* | *1,413.73* | |
| 23 33 13 19-0627 | EA | 60" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,204.95 | 111.66 |
| | | *For 3 Hour Rated, Add* | *1,147.98* | |
| 23 33 13 19-0628 | EA | 60" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,286.48 | 113.19 |
| | | *For 3 Hour Rated, Add* | *1,178.66* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0629 | EA | 60" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,367.89 | 114.72 |
| | | *For 3 Hour Rated, Add* | *1,209.33* | |
| 23 33 13 19-0630 | EA | 60" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,460.61 | 117.91 |
| | | *For 3 Hour Rated, Add* | *1,242.59* | |
| 23 33 13 19-0631 | EA | 60" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,553.32 | 121.23 |
| | | *For 3 Hour Rated, Add* | *1,275.85* | |
| 23 33 13 19-0632 | EA | 60" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,645.99 | 124.29 |
| | | *For 3 Hour Rated, Add* | *1,309.09* | |
| 23 33 13 19-0633 | EA | 60" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,738.67 | 127.48 |
| | | *For 3 Hour Rated, Add* | *1,342.33* | |
| 23 33 13 19-0634 | EA | 60" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,812.15 | 130.67 |
| | | *For 3 Hour Rated, Add* | *1,367.90* | |
| 23 33 13 19-0635 | EA | 60" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,885.62 | 133.87 |
| | | *For 3 Hour Rated, Add* | *1,393.45* | |
| 23 33 13 19-0636 | EA | 60" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,997.45 | 137.06 |
| | | *For 3 Hour Rated, Add* | *1,434.36* | |
| 23 33 13 19-0637 | EA | 60" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,109.28 | 140.37 |
| | | *For 3 Hour Rated, Add* | *1,475.26* | |
| 23 33 13 19-0638 | EA | 60" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,208.38 | 143.44 |
| | | *For 3 Hour Rated, Add* | *1,511.08* | |
| 23 33 13 19-0639 | EA | 60" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,307.46 | 146.63 |
| | | *For 3 Hour Rated, Add* | *1,546.88* | |
| 23 33 13 19-0640 | EA | 64" x 58", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 5,055.78 | 168.45 |
| | | *For 3 Hour Rated, Add* | *1,820.12* | |
| 23 33 13 19-0641 | EA | 66" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,434.88 | 118.43 |
| | | *For 3 Hour Rated, Add* | *1,231.84* | |
| 23 33 13 19-0642 | EA | 66" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,515.84 | 118.94 |
| | | *For 3 Hour Rated, Add* | *1,263.36* | |
| 23 33 13 19-0643 | EA | 66" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,596.66 | 119.57 |
| | | *For 3 Hour Rated, Add* | *1,294.87* | |
| 23 33 13 19-0644 | EA | 66" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,715.05 | 124.67 |
| | | *For 3 Hour Rated, Add* | *1,336.26* | |
| 23 33 13 19-0645 | EA | 66" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,833.58 | 129.79 |
| | | *For 3 Hour Rated, Add* | *1,377.69* | |
| 23 33 13 19-0646 | EA | 66" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,927.56 | 133.87 |
| | | *For 3 Hour Rated, Add* | *1,410.38* | |
| 23 33 13 19-0647 | EA | 66" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,021.59 | 137.83 |
| | | *For 3 Hour Rated, Add* | *1,443.10* | |
| 23 33 13 19-0648 | EA | 66" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,082.61 | 140.88 |
| | | *For 3 Hour Rated, Add* | *1,463.68* | |
| 23 33 13 19-0649 | EA | 66" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,143.65 | 143.94 |
| | | *For 3 Hour Rated, Add* | *1,484.31* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 19-0650 | EA | 70" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,289.14 | 145.35 |
| | | *For 3 Hour Rated, Add* | *1,541.13* | |
| 23 33 13 19-0651 | EA | 70" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,341.01 | 148.29 |
| | | *For 3 Hour Rated, Add* | *1,558.15* | |
| 23 33 13 19-0652 | EA | 70" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,393.36 | 151.35 |
| | | *For 3 Hour Rated, Add* | *1,575.32* | |
| 23 33 13 19-0653 | EA | 70" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,574.96 | 154.67 |
| | | *For 3 Hour Rated, Add* | *1,644.18* | |
| 23 33 13 19-0654 | EA | 70" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,757.81 | 158.11 |
| | | *For 3 Hour Rated, Add* | *1,713.54* | |
| 23 33 13 19-0655 | EA | 70" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,897.12 | 159.52 |
| | | *For 3 Hour Rated, Add* | *1,767.38* | |
| 23 33 13 19-0656 | EA | 70" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 5,036.77 | 160.92 |
| | | *For 3 Hour Rated, Add* | *1,821.35* | |
| 23 33 13 19-0657 | EA | 72" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,706.00 | 125.57 |
| | | *For 3 Hour Rated, Add* | *1,331.66* | |
| 23 33 13 19-0658 | EA | 72" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,786.50 | 125.06 |
| | | *For 3 Hour Rated, Add* | *1,364.22* | |
| 23 33 13 19-0659 | EA | 72" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 3,867.16 | 124.67 |
| | | *For 3 Hour Rated, Add* | *1,396.79* | |
| 23 33 13 19-0660 | EA | 72" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,014.94 | 131.70 |
| | | *For 3 Hour Rated, Add* | *1,447.68* | |
| 23 33 13 19-0661 | EA | 72" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,163.63 | 138.97 |
| | | *For 3 Hour Rated, Add* | *1,498.74* | |
| 23 33 13 19-0662 | EA | 72" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,259.17 | 143.94 |
| | | *For 3 Hour Rated, Add* | *1,530.83* | |
| 23 33 13 19-0663 | EA | 72" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 4,354.85 | 149.06 |
| | | *For 3 Hour Rated, Add* | *1,562.98* | |
| 23 33 13 19-0664 | EA | 72" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 5,132.67 | 163.86 |
| | | *For 3 Hour Rated, Add* | *1,856.13* | |
| 23 33 13 19-0665 | EA | 72" x 60", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 5,827.37 | 184.02 |
| | | *For 3 Hour Rated, Add* | *2,110.12* | |
| 23 33 13 19-0666 | EA | 90" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)<br>Note: Includes acuator and PFMA mounting angles for 2 sides. | 5,443.62 | 186.32 |
| | | *For 3 Hour Rated, Add* | *1,953.72* | |

## 23 33 13 23 Backdraft Dampers *(23 33 13)*

### 23 33 13 23-0001 Horizontally Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

| | | | | |
|---|---|---|---|---|
| 23 33 13 23-0002 | EA | 6" x 6" Horizontally Mounted Backdraft Damper | 107.34 | 14.17 |
| 23 33 13 23-0003 | EA | 8" x 6" Horizontally Mounted Backdraft Damper | 130.85 | 14.80 |
| 23 33 13 23-0004 | EA | 8" x 8" Horizontally Mounted Backdraft Damper | 159.93 | 14.93 |
| 23 33 13 23-0005 | EA | 10" x 6" Horizontally Mounted Backdraft Damper | 152.74 | 14.93 |
| 23 33 13 23-0006 | EA | 10" x 8" Horizontally Mounted Backdraft Damper | 145.43 | 15.32 |
| 23 33 13 23-0007 | EA | 10" x 10" Horizontally Mounted Backdraft Damper | 175.40 | 16.98 |
| 23 33 13 23-0008 | EA | 12" x 6" Horizontally Mounted Backdraft Damper | 135.49 | 15.32 |
| 23 33 13 23-0009 | EA | 12" x 8" Horizontally Mounted Backdraft Damper | 170.43 | 16.98 |
| 23 33 13 23-0010 | EA | 12" x 10" Horizontally Mounted Backdraft Damper | 162.26 | 17.86 |
| 23 33 13 23-0011 | EA | 12" x 12" Horizontally Mounted Backdraft Damper | 187.85 | 19.14 |
| 23 33 13 23-0012 | EA | 14" x 6" Horizontally Mounted Backdraft Damper | 152.95 | 16.21 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 23-0013 | EA | 14" x 8" Horizontally Mounted Backdraft Damper | 155.01 | 17.86 |
| 23 33 13 23-0014 | EA | 14" x 10" Horizontally Mounted Backdraft Damper | 184.24 | 19.14 |
| 23 33 13 23-0015 | EA | 14" x 12" Horizontally Mounted Backdraft Damper | 161.35 | 21.31 |
| 23 33 13 23-0016 | EA | 14" x 14" Horizontally Mounted Backdraft Damper | 183.99 | 23.35 |
| 23 33 13 23-0017 | EA | 16" x 6" Horizontally Mounted Backdraft Damper | 170.43 | 16.98 |
| 23 33 13 23-0018 | EA | 16" x 8" Horizontally Mounted Backdraft Damper | 173.35 | 19.14 |
| 23 33 13 23-0019 | EA | 16" x 10" Horizontally Mounted Backdraft Damper | 156.71 | 21.31 |
| 23 33 13 23-0020 | EA | 16" x 12" Horizontally Mounted Backdraft Damper | 175.27 | 21.31 |
| 23 33 13 23-0021 | EA | 16" x 14" Horizontally Mounted Backdraft Damper | 200.25 | 23.35 |
| 23 33 13 23-0022 | EA | 16" x 16" Horizontally Mounted Backdraft Damper | 225.19 | 25.52 |
| 23 33 13 23-0023 | EA | 18" x 6" Horizontally Mounted Backdraft Damper | 151.41 | 17.86 |
| 23 33 13 23-0024 | EA | 18" x 8" Horizontally Mounted Backdraft Damper | 141.02 | 19.14 |
| 23 33 13 23-0025 | EA | 18" x 10" Horizontally Mounted Backdraft Damper | 168.30 | 21.31 |
| 23 33 13 23-0026 | EA | 18" x 12" Horizontally Mounted Backdraft Damper | 195.58 | 23.35 |
| 23 33 13 23-0027 | EA | 18" x 14" Horizontally Mounted Backdraft Damper | 222.85 | 25.52 |
| 23 33 13 23-0028 | EA | 18" x 16" Horizontally Mounted Backdraft Damper | 255.49 | 27.56 |
| 23 33 13 23-0029 | EA | 18" x 18" Horizontally Mounted Backdraft Damper | 289.82 | 31.91 |
| 23 33 13 23-0030 | EA | 18" x 20" Horizontally Mounted Backdraft Damper | 232.90 | 33.94 |
| 23 33 13 23-0031 | EA | 18" x 24" Horizontally Mounted Backdraft Damper | 271.81 | 38.29 |
| 23 33 13 23-0032 | EA | 20" x 6" Horizontally Mounted Backdraft Damper | 166.10 | 19.14 |
| 23 33 13 23-0033 | EA | 20" x 8" Horizontally Mounted Backdraft Damper | 156.71 | 21.31 |
| 23 33 13 23-0034 | EA | 20" x 10" Horizontally Mounted Backdraft Damper | 186.29 | 23.35 |
| 23 33 13 23-0035 | EA | 20" x 12" Horizontally Mounted Backdraft Damper | 215.91 | 25.52 |
| 23 33 13 23-0036 | EA | 20" x 14" Horizontally Mounted Backdraft Damper | 250.70 | 27.56 |
| 23 33 13 23-0037 | EA | 20" x 16" Horizontally Mounted Backdraft Damper | 281.04 | 29.73 |
| 23 33 13 23-0038 | EA | 20" x 18" Horizontally Mounted Backdraft Damper | 232.90 | 33.94 |
| 23 33 13 23-0039 | EA | 20" x 20" Horizontally Mounted Backdraft Damper | 247.43 | 33.94 |
| 23 33 13 23-0040 | EA | 20" x 24" Horizontally Mounted Backdraft Damper | 289.25 | 38.29 |
| 23 33 13 23-0041 | EA | 20" x 28" Horizontally Mounted Backdraft Damper | 331.07 | 42.49 |
| 23 33 13 23-0042 | EA | 20" x 32" Horizontally Mounted Backdraft Damper | 306.46 | 46.71 |
| 23 33 13 23-0043 | EA | 20" x 36" Horizontally Mounted Backdraft Damper | 339.97 | 51.05 |
| 23 33 13 23-0044 | EA | 24" x 6" Horizontally Mounted Backdraft Damper | 147.40 | 21.31 |
| 23 33 13 23-0045 | EA | 24" x 8" Horizontally Mounted Backdraft Damper | 181.65 | 23.35 |
| 23 33 13 23-0046 | EA | 24" x 10" Horizontally Mounted Backdraft Damper | 215.91 | 25.52 |
| 23 33 13 23-0047 | EA | 24" x 12" Horizontally Mounted Backdraft Damper | 255.49 | 27.56 |
| 23 33 13 23-0048 | EA | 24" x 14" Horizontally Mounted Backdraft Damper | 217.79 | 31.91 |
| 23 33 13 23-0049 | EA | 24" x 16" Horizontally Mounted Backdraft Damper | 241.61 | 33.94 |
| 23 33 13 23-0050 | EA | 24" x 18" Horizontally Mounted Backdraft Damper | 271.81 | 38.29 |
| 23 33 13 23-0051 | EA | 24" x 20" Horizontally Mounted Backdraft Damper | 289.25 | 38.29 |
| 23 33 13 23-0052 | EA | 24" x 24" Horizontally Mounted Backdraft Damper | 336.89 | 42.49 |
| 23 33 13 23-0053 | EA | 24" x 28" Horizontally Mounted Backdraft Damper | 314.74 | 46.71 |
| 23 33 13 23-0054 | EA | 24" x 32" Horizontally Mounted Backdraft Damper | 352.44 | 51.05 |
| 23 33 13 23-0055 | EA | 24" x 36" Horizontally Mounted Backdraft Damper | 390.10 | 55.25 |
| 23 33 13 23-0056 | EA | 24" x 40" Horizontally Mounted Backdraft Damper | 377.96 | 59.47 |
| 23 33 13 23-0057 | EA | 24" x 44" Horizontally Mounted Backdraft Damper | 410.65 | 63.81 |
| 23 33 13 23-0058 | EA | 24" x 48" Horizontally Mounted Backdraft Damper | 430.57 | 63.81 |
| 23 33 13 23-0059 | EA | 28" x 6" Horizontally Mounted Backdraft Damper | 161.35 | 21.31 |
| 23 33 13 23-0060 | EA | 28" x 8" Horizontally Mounted Backdraft Damper | 200.25 | 23.35 |
| 23 33 13 23-0061 | EA | 28" x 10" Horizontally Mounted Backdraft Damper | 250.70 | 27.56 |
| 23 33 13 23-0062 | EA | 28" x 12" Horizontally Mounted Backdraft Damper | 217.79 | 31.91 |
| 23 33 13 23-0063 | EA | 28" x 14" Horizontally Mounted Backdraft Damper | 244.52 | 33.94 |
| 23 33 13 23-0064 | EA | 28" x 16" Horizontally Mounted Backdraft Damper | 277.63 | 38.29 |
| 23 33 13 23-0065 | EA | 28" x 18" Horizontally Mounted Backdraft Damper | 310.74 | 42.49 |
| 23 33 13 23-0066 | EA | 28" x 20" Horizontally Mounted Backdraft Damper | 331.07 | 42.49 |
| 23 33 13 23-0067 | EA | 28" x 24" Horizontally Mounted Backdraft Damper | 314.74 | 46.71 |
| 23 33 13 23-0068 | EA | 28" x 28" Horizontally Mounted Backdraft Damper | 356.60 | 51.05 |
| 23 33 13 23-0069 | EA | 28" x 32" Horizontally Mounted Backdraft Damper | 398.41 | 55.25 |
| 23 33 13 23-0070 | EA | 28" x 36" Horizontally Mounted Backdraft Damper | 400.67 | 63.81 |
| 23 33 13 23-0071 | EA | 28" x 40" Horizontally Mounted Backdraft Damper | 423.93 | 63.81 |
| 23 33 13 23-0072 | EA | 28" x 44" Horizontally Mounted Backdraft Damper | 459.93 | 68.02 |
| 23 33 13 23-0073 | EA | 28" x 48" Horizontally Mounted Backdraft Damper | 495.96 | 72.23 |
| 23 33 13 23-0074 | EA | 28" x 52" Horizontally Mounted Backdraft Damper | 519.22 | 72.23 |
| 23 33 13 23-0075 | EA | 28" x 56" Horizontally Mounted Backdraft Damper | 514.54 | 76.44 |
| 23 33 13 23-0076 | EA | 28" x 60" Horizontally Mounted Backdraft Damper | 534.86 | 76.44 |
| 23 33 13 23-0077 | EA | 32" x 6" Horizontally Mounted Backdraft Damper | 181.65 | 23.35 |
| 23 33 13 23-0078 | EA | 32" x 8" Horizontally Mounted Backdraft Damper | 236.32 | 27.56 |
| 23 33 13 23-0079 | EA | 32" x 10" Horizontally Mounted Backdraft Damper | 281.04 | 29.73 |
| 23 33 13 23-0080 | EA | 32" x 12" Horizontally Mounted Backdraft Damper | 241.61 | 33.94 |
| 23 33 13 23-0081 | EA | 32" x 14" Horizontally Mounted Backdraft Damper | 277.63 | 38.29 |
| 23 33 13 23-0082 | EA | 32" x 16" Horizontally Mounted Backdraft Damper | 313.63 | 42.49 |
| 23 33 13 23-0083 | EA | 32" x 18" Horizontally Mounted Backdraft Damper | 277.08 | 42.49 |
| 23 33 13 23-0084 | EA | 32" x 20" Horizontally Mounted Backdraft Damper | 306.46 | 46.71 |
| 23 33 13 23-0085 | EA | 32" x 24" Horizontally Mounted Backdraft Damper | 352.44 | 51.05 |
| 23 33 13 23-0086 | EA | 32" x 28" Horizontally Mounted Backdraft Damper | 398.41 | 55.25 |
| 23 33 13 23-0087 | EA | 32" x 32" Horizontally Mounted Backdraft Damper | 404.01 | 63.81 |
| 23 33 13 23-0088 | EA | 32" x 36" Horizontally Mounted Backdraft Damper | 430.57 | 63.81 |
| 23 33 13 23-0089 | EA | 32" x 40" Horizontally Mounted Backdraft Damper | 469.90 | 68.02 |
| 23 33 13 23-0090 | EA | 32" x 44" Horizontally Mounted Backdraft Damper | 509.24 | 72.23 |
| 23 33 13 23-0091 | EA | 32" x 48" Horizontally Mounted Backdraft Damper | 508.72 | 76.44 |
| 23 33 13 23-0092 | EA | 32" x 52" Horizontally Mounted Backdraft Damper | 531.98 | 76.44 |
| 23 33 13 23-0093 | EA | 32" x 56" Horizontally Mounted Backdraft Damper | 567.97 | 80.78 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 23-0094 | EA | 32" x 60" Horizontally Mounted Backdraft Damper | 591.24 | 80.78 |
| 23 33 13 23-0095 | EA | 32" x 64" Horizontally Mounted Backdraft Damper | 574.08 | 84.99 |
| 23 33 13 23-0096 | EA | 32" x 68" Horizontally Mounted Backdraft Damper | 594.01 | 84.99 |
| 23 33 13 23-0097 | EA | 32" x 72" Horizontally Mounted Backdraft Damper | 626.70 | 89.20 |
| 23 33 13 23-0098 | EA | 36" x 6" Horizontally Mounted Backdraft Damper | 195.58 | 23.35 |
| 23 33 13 23-0099 | EA | 36" x 8" Horizontally Mounted Backdraft Damper | 261.87 | 29.73 |
| 23 33 13 23-0100 | EA | 36" x 10" Horizontally Mounted Backdraft Damper | 232.90 | 33.94 |
| 23 33 13 23-0101 | EA | 36" x 12" Horizontally Mounted Backdraft Damper | 271.81 | 38.29 |
| 23 33 13 23-0102 | EA | 36" x 14" Horizontally Mounted Backdraft Damper | 310.74 | 42.49 |
| 23 33 13 23-0103 | EA | 36" x 16" Horizontally Mounted Backdraft Damper | 277.08 | 42.49 |
| 23 33 13 23-0104 | EA | 36" x 18" Horizontally Mounted Backdraft Damper | 308.52 | 46.71 |
| 23 33 13 23-0105 | EA | 36" x 20" Horizontally Mounted Backdraft Damper | 339.97 | 51.05 |
| 23 33 13 23-0106 | EA | 36" x 24" Horizontally Mounted Backdraft Damper | 390.10 | 55.25 |
| 23 33 13 23-0107 | EA | 36" x 28" Horizontally Mounted Backdraft Damper | 400.67 | 63.81 |
| 23 33 13 23-0108 | EA | 36" x 32" Horizontally Mounted Backdraft Damper | 430.57 | 63.81 |
| 23 33 13 23-0109 | EA | 36" x 36" Horizontally Mounted Backdraft Damper | 473.21 | 68.02 |
| 23 33 13 23-0110 | EA | 36" x 40" Horizontally Mounted Backdraft Damper | 515.89 | 72.23 |
| 23 33 13 23-0111 | EA | 36" x 44" Horizontally Mounted Backdraft Damper | 517.42 | 76.44 |
| 23 33 13 23-0112 | EA | 36" x 48" Horizontally Mounted Backdraft Damper | 556.36 | 80.78 |
| 23 33 13 23-0113 | EA | 36" x 52" Horizontally Mounted Backdraft Damper | 582.50 | 80.78 |
| 23 33 13 23-0114 | EA | 36" x 56" Horizontally Mounted Backdraft Damper | 569.11 | 84.99 |
| 23 33 13 23-0115 | EA | 36" x 60" Horizontally Mounted Backdraft Damper | 591.52 | 84.99 |
| 23 33 13 23-0116 | EA | 36" x 64" Horizontally Mounted Backdraft Damper | 626.70 | 89.20 |
| 23 33 13 23-0117 | EA | 36" x 68" Horizontally Mounted Backdraft Damper | 649.11 | 89.20 |
| 23 33 13 23-0118 | EA | 36" x 72" Horizontally Mounted Backdraft Damper | 671.56 | 89.20 |
| 23 33 13 23-0119 | EA | 40" x 6" Horizontally Mounted Backdraft Damper | 215.91 | 25.52 |
| 23 33 13 23-0120 | EA | 40" x 8" Horizontally Mounted Backdraft Damper | 287.43 | 31.91 |
| 23 33 13 23-0121 | EA | 40" x 10" Horizontally Mounted Backdraft Damper | 247.43 | 33.94 |
| 23 33 13 23-0122 | EA | 40" x 12" Horizontally Mounted Backdraft Damper | 289.25 | 38.29 |
| 23 33 13 23-0123 | EA | 40" x 14" Horizontally Mounted Backdraft Damper | 331.07 | 42.49 |
| 23 33 13 23-0124 | EA | 40" x 16" Horizontally Mounted Backdraft Damper | 306.46 | 46.71 |
| 23 33 13 23-0125 | EA | 40" x 18" Horizontally Mounted Backdraft Damper | 339.97 | 51.05 |
| 23 33 13 23-0126 | EA | 40" x 20" Horizontally Mounted Backdraft Damper | 373.48 | 55.25 |
| 23 33 13 23-0127 | EA | 40" x 24" Horizontally Mounted Backdraft Damper | 377.96 | 59.47 |
| 23 33 13 23-0128 | EA | 40" x 28" Horizontally Mounted Backdraft Damper | 423.93 | 63.81 |
| 23 33 13 23-0129 | EA | 40" x 32" Horizontally Mounted Backdraft Damper | 469.90 | 68.02 |
| 23 33 13 23-0130 | EA | 40" x 36" Horizontally Mounted Backdraft Damper | 515.89 | 72.23 |
| 23 33 13 23-0131 | EA | 40" x 40" Horizontally Mounted Backdraft Damper | 520.33 | 76.44 |
| 23 33 13 23-0132 | EA | 40" x 44" Horizontally Mounted Backdraft Damper | 562.15 | 80.78 |
| 23 33 13 23-0133 | EA | 40" x 48" Horizontally Mounted Backdraft Damper | 591.24 | 80.78 |
| 23 33 13 23-0134 | EA | 40" x 50" Horizontally Mounted Backdraft Damper | 566.62 | 84.99 |
| 23 33 13 23-0135 | EA | 44" x 6" Horizontally Mounted Backdraft Damper | 241.11 | 27.56 |
| 23 33 13 23-0136 | EA | 44" x 8" Horizontally Mounted Backdraft Damper | 229.99 | 33.94 |
| 23 33 13 23-0137 | EA | 44" x 10" Horizontally Mounted Backdraft Damper | 274.72 | 38.29 |
| 23 33 13 23-0138 | EA | 44" x 12" Horizontally Mounted Backdraft Damper | 319.45 | 42.49 |
| 23 33 13 23-0139 | EA | 44" x 14" Horizontally Mounted Backdraft Damper | 300.21 | 46.71 |
| 23 33 13 23-0140 | EA | 44" x 16" Horizontally Mounted Backdraft Damper | 335.82 | 51.05 |
| 23 33 13 23-0141 | EA | 44" x 18" Horizontally Mounted Backdraft Damper | 358.66 | 51.05 |
| 23 33 13 23-0142 | EA | 44" x 20" Horizontally Mounted Backdraft Damper | 394.26 | 55.25 |
| 23 33 13 23-0143 | EA | 44" x 24" Horizontally Mounted Backdraft Damper | 410.65 | 63.81 |
| 23 33 13 23-0144 | EA | 44" x 28" Horizontally Mounted Backdraft Damper | 459.93 | 68.02 |
| 23 33 13 23-0145 | EA | 44" x 32" Horizontally Mounted Backdraft Damper | 509.24 | 72.23 |
| 23 33 13 23-0146 | EA | 44" x 36" Horizontally Mounted Backdraft Damper | 517.42 | 76.44 |
| 23 33 13 23-0147 | EA | 44" x 40" Horizontally Mounted Backdraft Damper | 562.15 | 80.78 |
| 23 33 13 23-0148 | EA | 44" x 44" Horizontally Mounted Backdraft Damper | 594.12 | 80.78 |
| 23 33 13 23-0149 | EA | 44" x 48" Horizontally Mounted Backdraft Damper | 584.06 | 84.99 |
| 23 33 13 23-0150 | EA | 44" x 50" Horizontally Mounted Backdraft Damper | 597.74 | 84.99 |
| 23 33 13 23-0151 | EA | 48" x 6" Horizontally Mounted Backdraft Damper | 261.87 | 29.73 |
| 23 33 13 23-0152 | EA | 48" x 8" Horizontally Mounted Backdraft Damper | 241.61 | 33.94 |
| 23 33 13 23-0153 | EA | 48" x 10" Horizontally Mounted Backdraft Damper | 289.25 | 38.29 |
| 23 33 13 23-0154 | EA | 48" x 12" Horizontally Mounted Backdraft Damper | 277.08 | 42.49 |
| 23 33 13 23-0155 | EA | 48" x 14" Horizontally Mounted Backdraft Damper | 314.74 | 46.71 |
| 23 33 13 23-0156 | EA | 48" x 16" Horizontally Mounted Backdraft Damper | 352.44 | 51.05 |
| 23 33 13 23-0157 | EA | 48" x 18" Horizontally Mounted Backdraft Damper | 390.10 | 55.25 |
| 23 33 13 23-0158 | EA | 48" x 20" Horizontally Mounted Backdraft Damper | 377.96 | 59.47 |
| 23 33 13 23-0159 | EA | 48" x 24" Horizontally Mounted Backdraft Damper | 430.57 | 63.81 |
| 23 33 13 23-0160 | EA | 48" x 28" Horizontally Mounted Backdraft Damper | 495.96 | 72.23 |
| 23 33 13 23-0161 | EA | 48" x 32" Horizontally Mounted Backdraft Damper | 508.72 | 76.44 |
| 23 33 13 23-0162 | EA | 48" x 36" Horizontally Mounted Backdraft Damper | 556.36 | 80.78 |
| 23 33 13 23-0163 | EA | 48" x 40" Horizontally Mounted Backdraft Damper | 591.24 | 80.78 |
| 23 33 13 23-0164 | EA | 48" x 44" Horizontally Mounted Backdraft Damper | 584.06 | 84.99 |
| 23 33 13 23-0165 | EA | 48" x 48" Horizontally Mounted Backdraft Damper | 626.70 | 89.20 |
| 23 33 13 23-0166 | EA | 48" x 50" Horizontally Mounted Backdraft Damper | 641.65 | 89.20 |
| 23 33 13 23-0167 | EA | 50" x 6" Horizontally Mounted Backdraft Damper | 269.06 | 29.73 |
| 23 33 13 23-0168 | EA | 50" x 8" Horizontally Mounted Backdraft Damper | 260.19 | 38.29 |
| 23 33 13 23-0169 | EA | 50" x 10" Horizontally Mounted Backdraft Damper | 309.29 | 42.49 |
| 23 33 13 23-0170 | EA | 50" x 12" Horizontally Mounted Backdraft Damper | 296.06 | 46.71 |
| 23 33 13 23-0171 | EA | 50" x 14" Horizontally Mounted Backdraft Damper | 334.79 | 51.05 |
| 23 33 13 23-0172 | EA | 50" x 16" Horizontally Mounted Backdraft Damper | 373.48 | 55.25 |
| 23 33 13 23-0173 | EA | 50" x 18" Horizontally Mounted Backdraft Damper | 412.20 | 59.47 |
| 23 33 13 23-0174 | EA | 50" x 20" Horizontally Mounted Backdraft Damper | 399.00 | 63.81 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 23-0175 | EA | 50" x 24" Horizontally Mounted Backdraft Damper | 453.28 | 68.02 |
| 23 33 13 23-0176 | EA | 50" x 28" Horizontally Mounted Backdraft Damper | 507.57 | 72.23 |
| 23 33 13 23-0177 | EA | 50" x 32" Horizontally Mounted Backdraft Damper | 520.33 | 76.44 |
| 23 33 13 23-0178 | EA | 50" x 36" Horizontally Mounted Backdraft Damper | 569.43 | 80.78 |
| 23 33 13 23-0179 | EA | 50" x 40" Horizontally Mounted Backdraft Damper | 566.62 | 84.99 |
| 23 33 13 23-0180 | EA | 50" x 44" Horizontally Mounted Backdraft Damper | 597.74 | 84.99 |
| 23 33 13 23-0181 | EA | 50" x 48" Horizontally Mounted Backdraft Damper | 641.65 | 89.20 |
| 23 33 13 23-0182 | EA | 50" x 50" Horizontally Mounted Backdraft Damper | 657.21 | 89.20 |
| 23 33 13 23-0183 | | **Vertically Mounted Backdraft Damper** *(23 33 13 23)* | | |
| | | Note: Galvanized steel frame, aluminum blades. Excludes motor pack. | | |
| 23 33 13 23-0184 | EA | 6" x 6" Vertically Mounted Backdraft Damper | 117.16 | 14.17 |
| 23 33 13 23-0185 | EA | 8" x 6" Vertically Mounted Backdraft Damper | 143.98 | 14.80 |
| 23 33 13 23-0186 | EA | 10" x 6" Vertically Mounted Backdraft Damper | 148.40 | 14.93 |
| 23 33 13 23-0187 | EA | 8" x 8" Vertically Mounted Backdraft Damper | 155.31 | 14.93 |
| 23 33 13 23-0188 | EA | 12" x 6" Vertically Mounted Backdraft Damper | 170.43 | 15.32 |
| 23 33 13 23-0189 | EA | 10" x 8" Vertically Mounted Backdraft Damper | 189.36 | 16.98 |
| 23 33 13 23-0190 | EA | 14" x 6" Vertically Mounted Backdraft Damper | 191.17 | 15.32 |
| 23 33 13 23-0191 | EA | 12" x 8" Vertically Mounted Backdraft Damper | 217.02 | 16.98 |
| 23 33 13 23-0192 | EA | 16" x 6" Vertically Mounted Backdraft Damper | 219.56 | 17.86 |
| 23 33 13 23-0193 | EA | 10" x 10" Vertically Mounted Backdraft Damper | 230.31 | 19.14 |
| 23 33 13 23-0194 | EA | 18" x 6" Vertically Mounted Backdraft Damper | 184.98 | 16.21 |
| 23 33 13 23-0195 | EA | 14" x 8" Vertically Mounted Backdraft Damper | 195.14 | 17.86 |
| 23 33 13 23-0196 | EA | 12" x 10" Vertically Mounted Backdraft Damper | 209.08 | 19.14 |
| 23 33 13 23-0197 | EA | 20" x 6" Vertically Mounted Backdraft Damper | 215.46 | 21.31 |
| 23 33 13 23-0198 | EA | 16" x 8" Vertically Mounted Backdraft Damper | 231.94 | 23.35 |
| 23 33 13 23-0199 | EA | 14" x 10" Vertically Mounted Backdraft Damper | 227.97 | 16.98 |
| 23 33 13 23-0200 | EA | 12" x 12" Vertically Mounted Backdraft Damper | 239.41 | 19.14 |
| 23 33 13 23-0201 | EA | 18" x 8" Vertically Mounted Backdraft Damper | 208.67 | 21.31 |
| 23 33 13 23-0202 | EA | 24" x 6" Vertically Mounted Backdraft Damper | 208.67 | 21.31 |
| 23 33 13 23-0203 | EA | 16" x 10" Vertically Mounted Backdraft Damper | 231.12 | 23.35 |
| 23 33 13 23-0204 | EA | 20" x 8" Vertically Mounted Backdraft Damper | 237.50 | 25.52 |
| 23 33 13 23-0205 | EA | 14" x 12" Vertically Mounted Backdraft Damper | 222.56 | 17.86 |
| 23 33 13 23-0206 | EA | 28" x 6" Vertically Mounted Backdraft Damper | 226.40 | 19.14 |
| 23 33 13 23-0207 | EA | 18" x 10" Vertically Mounted Backdraft Damper | 244.85 | 21.31 |
| 23 33 13 23-0208 | EA | 16" x 12" Vertically Mounted Backdraft Damper | 263.30 | 23.35 |
| 23 33 13 23-0209 | EA | 24" x 8" Vertically Mounted Backdraft Damper | 269.68 | 25.52 |
| 23 33 13 23-0210 | EA | 32" x 6" Vertically Mounted Backdraft Damper | 276.05 | 27.56 |
| 23 33 13 23-0211 | EA | 14" x 14" Vertically Mounted Backdraft Damper | 292.86 | 31.91 |
| 23 33 13 23-0212 | EA | 20" x 10" Vertically Mounted Backdraft Damper | 289.29 | 33.94 |
| 23 33 13 23-0213 | EA | 18" x 12" Vertically Mounted Backdraft Damper | 317.03 | 38.29 |
| 23 33 13 23-0214 | EA | 36" x 6" Vertically Mounted Backdraft Damper | 259.61 | 19.14 |
| 23 33 13 23-0215 | EA | 16" x 14" Vertically Mounted Backdraft Damper | 273.48 | 21.31 |
| 23 33 13 23-0216 | EA | 28" x 8" Vertically Mounted Backdraft Damper | 279.86 | 23.35 |
| 23 33 13 23-0217 | EA | 20" x 12" Vertically Mounted Backdraft Damper | 301.20 | 25.52 |
| 23 33 13 23-0218 | EA | 24" x 10" Vertically Mounted Backdraft Damper | 307.57 | 27.56 |
| 23 33 13 23-0219 | EA | 40" x 6" Vertically Mounted Backdraft Damper | 313.95 | 29.73 |
| 23 33 13 23-0220 | EA | 18" x 14" Vertically Mounted Backdraft Damper | 337.97 | 33.94 |
| 23 33 13 23-0221 | EA | 16" x 16" Vertically Mounted Backdraft Damper | 341.70 | 33.94 |
| 23 33 13 23-0222 | EA | 32" x 8" Vertically Mounted Backdraft Damper | 354.46 | 38.29 |
| 23 33 13 23-0223 | EA | 44" x 6" Vertically Mounted Backdraft Damper | 374.71 | 42.49 |
| 23 33 13 23-0224 | EA | 20" x 14" Vertically Mounted Backdraft Damper | 402.45 | 46.71 |
| 23 33 13 23-0225 | EA | 28" x 10" Vertically Mounted Backdraft Damper | 415.22 | 51.05 |
| 23 33 13 23-0226 | EA | 18" x 16" Vertically Mounted Backdraft Damper | 333.39 | 21.31 |
| 23 33 13 23-0227 | EA | 24" x 12" Vertically Mounted Backdraft Damper | 339.77 | 23.35 |
| 23 33 13 23-0228 | EA | 36" x 8" Vertically Mounted Backdraft Damper | 346.15 | 25.52 |
| 23 33 13 23-0229 | EA | 48" x 6" Vertically Mounted Backdraft Damper | 352.52 | 27.56 |
| 23 33 13 23-0230 | EA | 50" x 6" Vertically Mounted Backdraft Damper | 376.51 | 31.91 |
| 23 33 13 23-0231 | EA | 20" x 16" Vertically Mounted Backdraft Damper | 401.60 | 33.94 |
| 23 33 13 23-0232 | EA | 32" x 10" Vertically Mounted Backdraft Damper | 414.36 | 38.29 |
| 23 33 13 23-0233 | EA | 40" x 8" Vertically Mounted Backdraft Damper | 414.36 | 38.29 |
| 23 33 13 23-0234 | EA | 18" x 18" Vertically Mounted Backdraft Damper | 367.22 | 42.49 |
| 23 33 13 23-0235 | EA | 24" x 14" Vertically Mounted Backdraft Damper | 346.71 | 46.71 |
| 23 33 13 23-0236 | EA | 28" x 12" Vertically Mounted Backdraft Damper | 359.48 | 51.05 |
| 23 33 13 23-0237 | EA | 44" x 8" Vertically Mounted Backdraft Damper | 382.06 | 55.25 |
| 23 33 13 23-0238 | EA | 18" x 20" Vertically Mounted Backdraft Damper | 399.74 | 59.47 |
| 23 33 13 23-0239 | EA | 20" x 18" Vertically Mounted Backdraft Damper | 412.50 | 63.81 |
| 23 33 13 23-0240 | EA | 36" x 10" Vertically Mounted Backdraft Damper | 412.50 | 63.81 |
| 23 33 13 23-0241 | EA | 24" x 16" Vertically Mounted Backdraft Damper | 299.63 | 21.31 |
| 23 33 13 23-0242 | EA | 32" x 12" Vertically Mounted Backdraft Damper | 306.01 | 23.35 |
| 23 33 13 23-0243 | EA | 48" x 8" Vertically Mounted Backdraft Damper | 318.76 | 27.56 |
| 23 33 13 23-0244 | EA | 28" x 14" Vertically Mounted Backdraft Damper | 336.44 | 31.91 |
| 23 33 13 23-0245 | EA | 20" x 20" Vertically Mounted Backdraft Damper | 347.74 | 33.94 |
| 23 33 13 23-0246 | EA | 40" x 10" Vertically Mounted Backdraft Damper | 360.50 | 38.29 |
| 23 33 13 23-0247 | EA | 50" x 8" Vertically Mounted Backdraft Damper | 373.26 | 42.49 |
| 23 33 13 23-0248 | EA | 18" x 24" Vertically Mounted Backdraft Damper | 392.91 | 42.49 |
| 23 33 13 23-0249 | EA | 24" x 18" Vertically Mounted Backdraft Damper | 405.67 | 46.71 |
| 23 33 13 23-0250 | EA | 36" x 12" Vertically Mounted Backdraft Damper | 418.44 | 51.05 |
| 23 33 13 23-0251 | EA | 44" x 10" Vertically Mounted Backdraft Damper | 436.11 | 55.25 |
| 23 33 13 23-0252 | EA | 28" x 16" Vertically Mounted Backdraft Damper | 466.55 | 63.81 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 23-0253 | EA | 32" x 14" Vertically Mounted Backdraft Damper | 466.55 | 63.81 |
| 23 33 13 23-0254 | EA | 20" x 24" Vertically Mounted Backdraft Damper | 501.42 | 68.02 |
| 23 33 13 23-0255 | EA | 24" x 20" Vertically Mounted Backdraft Damper | 468.93 | 72.23 |
| 23 33 13 23-0256 | EA | 40" x 12" Vertically Mounted Backdraft Damper | 468.93 | 72.23 |
| 23 33 13 23-0257 | EA | 48" x 10" Vertically Mounted Backdraft Damper | 481.69 | 76.44 |
| 23 33 13 23-0258 | EA | 50" x 10" Vertically Mounted Backdraft Damper | 492.19 | 76.44 |
| 23 33 13 23-0259 | EA | 28" x 18" Vertically Mounted Backdraft Damper | 334.76 | 23.35 |
| 23 33 13 23-0260 | EA | 36" x 14" Vertically Mounted Backdraft Damper | 347.51 | 27.56 |
| 23 33 13 23-0261 | EA | 32" x 16" Vertically Mounted Backdraft Damper | 358.11 | 29.73 |
| 23 33 13 23-0262 | EA | 44" x 12" Vertically Mounted Backdraft Damper | 379.25 | 33.94 |
| 23 33 13 23-0263 | EA | 20" x 28" Vertically Mounted Backdraft Damper | 408.81 | 38.29 |
| 23 33 13 23-0264 | EA | 28" x 20" Vertically Mounted Backdraft Damper | 421.57 | 42.49 |
| 23 33 13 23-0265 | EA | 40" x 14" Vertically Mounted Backdraft Damper | 421.57 | 42.49 |
| 23 33 13 23-0266 | EA | 24" x 24" Vertically Mounted Backdraft Damper | 442.73 | 46.71 |
| 23 33 13 23-0267 | EA | 32" x 18" Vertically Mounted Backdraft Damper | 455.50 | 51.05 |
| 23 33 13 23-0268 | EA | 36" x 16" Vertically Mounted Backdraft Damper | 468.26 | 55.25 |
| 23 33 13 23-0269 | EA | 48" x 12" Vertically Mounted Backdraft Damper | 493.78 | 63.81 |
| 23 33 13 23-0270 | EA | 50" x 12" Vertically Mounted Backdraft Damper | 506.40 | 63.81 |
| 23 33 13 23-0271 | EA | 44" x 14" Vertically Mounted Backdraft Damper | 527.56 | 68.02 |
| 23 33 13 23-0272 | EA | 20" x 32" Vertically Mounted Backdraft Damper | 552.92 | 72.23 |
| 23 33 13 23-0273 | EA | 32" x 20" Vertically Mounted Backdraft Damper | 565.68 | 76.44 |
| 23 33 13 23-0274 | EA | 40" x 16" Vertically Mounted Backdraft Damper | 565.68 | 76.44 |
| 23 33 13 23-0275 | EA | 36" x 18" Vertically Mounted Backdraft Damper | 582.62 | 80.78 |
| 23 33 13 23-0276 | EA | 24" x 28" Vertically Mounted Backdraft Damper | 597.33 | 80.78 |
| 23 33 13 23-0277 | EA | 28" x 24" Vertically Mounted Backdraft Damper | 579.66 | 84.99 |
| 23 33 13 23-0278 | EA | 48" x 14" Vertically Mounted Backdraft Damper | 579.66 | 84.99 |
| 23 33 13 23-0279 | EA | 50" x 14" Vertically Mounted Backdraft Damper | 605.95 | 89.20 |
| 23 33 13 23-0280 | EA | 44" x 16" Vertically Mounted Backdraft Damper | 410.07 | 23.35 |
| 23 33 13 23-0281 | EA | 20" x 36" Vertically Mounted Backdraft Damper | 436.94 | 29.73 |
| 23 33 13 23-0282 | EA | 36" x 20" Vertically Mounted Backdraft Damper | 449.71 | 33.94 |
| 23 33 13 23-0283 | EA | 40" x 18" Vertically Mounted Backdraft Damper | 462.47 | 38.29 |
| 23 33 13 23-0284 | EA | 24" x 32" Vertically Mounted Backdraft Damper | 498.40 | 42.49 |
| 23 33 13 23-0285 | EA | 32" x 24" Vertically Mounted Backdraft Damper | 498.40 | 42.49 |
| 23 33 13 23-0286 | EA | 48" x 16" Vertically Mounted Backdraft Damper | 511.16 | 46.71 |
| 23 33 13 23-0287 | EA | 28" x 28" Vertically Mounted Backdraft Damper | 531.66 | 51.05 |
| 23 33 13 23-0288 | EA | 44" x 18" Vertically Mounted Backdraft Damper | 548.27 | 55.25 |
| 23 33 13 23-0289 | EA | 40" x 20" Vertically Mounted Backdraft Damper | 577.65 | 63.81 |
| 23 33 13 23-0290 | EA | 50" x 16" Vertically Mounted Backdraft Damper | 577.65 | 63.81 |
| 23 33 13 23-0291 | EA | 24" x 36" Vertically Mounted Backdraft Damper | 621.31 | 68.02 |
| 23 33 13 23-0292 | EA | 36" x 24" Vertically Mounted Backdraft Damper | 634.08 | 72.23 |
| 23 33 13 23-0293 | EA | 48" x 18" Vertically Mounted Backdraft Damper | 646.84 | 76.44 |
| 23 33 13 23-0294 | EA | 44" x 20" Vertically Mounted Backdraft Damper | 667.34 | 80.78 |
| 23 33 13 23-0295 | EA | 28" x 32" Vertically Mounted Backdraft Damper | 675.07 | 80.78 |
| 23 33 13 23-0296 | EA | 32" x 28" Vertically Mounted Backdraft Damper | 687.82 | 84.99 |
| 23 33 13 23-0297 | EA | 50" x 18" Vertically Mounted Backdraft Damper | 689.73 | 84.99 |
| 23 33 13 23-0298 | EA | 24" x 40" Vertically Mounted Backdraft Damper | 731.46 | 89.20 |
| 23 33 13 23-0299 | EA | 40" x 24" Vertically Mounted Backdraft Damper | 731.46 | 89.20 |
| 23 33 13 23-0300 | EA | 48" x 20" Vertically Mounted Backdraft Damper | 731.46 | 89.20 |
| 23 33 13 23-0301 | EA | 50" x 20" Vertically Mounted Backdraft Damper | 559.37 | 25.52 |
| 23 33 13 23-0302 | EA | 28" x 36" Vertically Mounted Backdraft Damper | 582.36 | 31.91 |
| 23 33 13 23-0303 | EA | 36" x 28" Vertically Mounted Backdraft Damper | 588.74 | 33.94 |
| 23 33 13 23-0304 | EA | 32" x 32" Vertically Mounted Backdraft Damper | 609.23 | 38.29 |
| 23 33 13 23-0305 | EA | 24" x 44" Vertically Mounted Backdraft Damper | 582.32 | 42.49 |
| 23 33 13 23-0306 | EA | 44" x 24" Vertically Mounted Backdraft Damper | 595.08 | 46.71 |
| 23 33 13 23-0307 | EA | 28" x 40" Vertically Mounted Backdraft Damper | 635.39 | 51.05 |
| 23 33 13 23-0308 | EA | 40" x 28" Vertically Mounted Backdraft Damper | 648.15 | 55.25 |
| 23 33 13 23-0309 | EA | 24" x 48" Vertically Mounted Backdraft Damper | 674.71 | 59.47 |
| 23 33 13 23-0310 | EA | 32" x 36" Vertically Mounted Backdraft Damper | 687.47 | 63.81 |
| 23 33 13 23-0311 | EA | 36" x 32" Vertically Mounted Backdraft Damper | 700.23 | 68.02 |
| 23 33 13 23-0312 | EA | 48" x 24" Vertically Mounted Backdraft Damper | 713.00 | 72.23 |
| 23 33 13 23-0313 | EA | 50" x 24" Vertically Mounted Backdraft Damper | 746.42 | 76.44 |
| 23 33 13 23-0314 | EA | 28" x 44" Vertically Mounted Backdraft Damper | 772.95 | 80.78 |
| 23 33 13 23-0315 | EA | 44" x 28" Vertically Mounted Backdraft Damper | 772.95 | 80.78 |
| 23 33 13 23-0316 | EA | 32" x 40" Vertically Mounted Backdraft Damper | 806.38 | 84.99 |
| 23 33 13 23-0317 | EA | 40" x 32" Vertically Mounted Backdraft Damper | 634.10 | 27.56 |
| 23 33 13 23-0318 | EA | 36" x 36" Vertically Mounted Backdraft Damper | 660.14 | 33.94 |
| 23 33 13 23-0319 | EA | 28" x 48" Vertically Mounted Backdraft Damper | 693.55 | 38.29 |
| 23 33 13 23-0320 | EA | 48" x 28" Vertically Mounted Backdraft Damper | 706.31 | 42.49 |
| 23 33 13 23-0321 | EA | 50" x 28" Vertically Mounted Backdraft Damper | 743.18 | 46.71 |
| 23 33 13 23-0322 | EA | 32" x 44" Vertically Mounted Backdraft Damper | 759.41 | 51.05 |
| 23 33 13 23-0323 | EA | 44" x 32" Vertically Mounted Backdraft Damper | 759.41 | 51.05 |
| 23 33 13 23-0324 | EA | 36" x 40" Vertically Mounted Backdraft Damper | 787.67 | 55.25 |
| 23 33 13 23-0325 | EA | 40" x 36" Vertically Mounted Backdraft Damper | 749.47 | 63.81 |
| 23 33 13 23-0326 | EA | 28" x 52" Vertically Mounted Backdraft Damper | 768.41 | 68.02 |
| 23 33 13 23-0327 | EA | 32" x 48" Vertically Mounted Backdraft Damper | 812.18 | 72.23 |
| 23 33 13 23-0328 | EA | 48" x 32" Vertically Mounted Backdraft Damper | 824.94 | 76.44 |
| 23 33 13 23-0329 | EA | 28" x 56" Vertically Mounted Backdraft Damper | 850.11 | 80.78 |
| 23 33 13 23-0330 | EA | 36" x 44" Vertically Mounted Backdraft Damper | 856.32 | 80.78 |
| 23 33 13 23-0331 | EA | 44" x 36" Vertically Mounted Backdraft Damper | 869.07 | 84.99 |
| 23 33 13 23-0332 | EA | 40" x 40" Vertically Mounted Backdraft Damper | 875.26 | 84.99 |
| 23 33 13 23-0333 | EA | 50" x 32" Vertically Mounted Backdraft Damper | 709.36 | 29.73 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 33 13 23-0334 | EA | 32" x 52" Vertically Mounted Backdraft Damper | 746.94 | 33.94 |
| 23 33 13 23-0335 | EA | 28" x 60" Vertically Mounted Backdraft Damper | 765.89 | 38.29 |
| 23 33 13 23-0336 | EA | 36" x 48" Vertically Mounted Backdraft Damper | 797.27 | 42.49 |
| 23 33 13 23-0337 | EA | 48" x 36" Vertically Mounted Backdraft Damper | 810.03 | 46.71 |
| 23 33 13 23-0338 | EA | 40" x 44" Vertically Mounted Backdraft Damper | 835.21 | 51.05 |
| 23 33 13 23-0339 | EA | 44" x 40" Vertically Mounted Backdraft Damper | 847.97 | 55.25 |
| 23 33 13 23-0340 | EA | 32" x 56" Vertically Mounted Backdraft Damper | 873.10 | 59.47 |
| 23 33 13 23-0341 | EA | 50" x 36" Vertically Mounted Backdraft Damper | 811.46 | 63.81 |
| 23 33 13 23-0342 | EA | 36" x 52" Vertically Mounted Backdraft Damper | 861.80 | 72.23 |
| 23 33 13 23-0343 | EA | 32" x 60" Vertically Mounted Backdraft Damper | 891.09 | 76.44 |
| 23 33 13 23-0344 | EA | 40" x 48" Vertically Mounted Backdraft Damper | 903.85 | 80.78 |
| 23 33 13 23-0345 | EA | 48" x 40" Vertically Mounted Backdraft Damper | 903.85 | 80.78 |
| 23 33 13 23-0346 | EA | 44" x 44" Vertically Mounted Backdraft Damper | 922.12 | 84.99 |
| 23 33 13 23-0347 | EA | 40" x 50" Vertically Mounted Backdraft Damper | 956.93 | 89.20 |
| 23 33 13 23-0348 | EA | 50" x 40" Vertically Mounted Backdraft Damper | 956.93 | 89.20 |
| 23 33 13 23-0349 | EA | 36" x 56" Vertically Mounted Backdraft Damper | 783.76 | 29.73 |
| 23 33 13 23-0350 | EA | 32" x 64" Vertically Mounted Backdraft Damper | 820.33 | 38.29 |
| 23 33 13 23-0351 | EA | 44" x 48" Vertically Mounted Backdraft Damper | 855.14 | 42.49 |
| 23 33 13 23-0352 | EA | 48" x 44" Vertically Mounted Backdraft Damper | 867.90 | 46.71 |
| 23 33 13 23-0353 | EA | 36" x 60" Vertically Mounted Backdraft Damper | 897.20 | 51.05 |
| 23 33 13 23-0354 | EA | 32" x 68" Vertically Mounted Backdraft Damper | 915.48 | 55.25 |
| 23 33 13 23-0355 | EA | 44" x 50" Vertically Mounted Backdraft Damper | 841.77 | 59.47 |
| 23 33 13 23-0356 | EA | 50" x 44" Vertically Mounted Backdraft Damper | 854.53 | 63.81 |
| 23 33 13 23-0357 | EA | 32" x 72" Vertically Mounted Backdraft Damper | 898.62 | 68.02 |
| 23 33 13 23-0358 | EA | 36" x 64" Vertically Mounted Backdraft Damper | 911.39 | 72.23 |
| 23 33 13 23-0359 | EA | 48" x 48" Vertically Mounted Backdraft Damper | 924.15 | 76.44 |
| 23 33 13 23-0360 | EA | 48" x 50" Vertically Mounted Backdraft Damper | 965.85 | 80.78 |
| 23 33 13 23-0361 | EA | 50" x 48" Vertically Mounted Backdraft Damper | 978.60 | 84.99 |
| 23 33 13 23-0362 | EA | 36" x 68" Vertically Mounted Backdraft Damper | 993.07 | 84.99 |
| 23 33 13 23-0363 | EA | 50" x 50" Vertically Mounted Backdraft Damper | 1,021.51 | 89.20 |
| 23 33 13 23-0364 | EA | 36" x 72" Vertically Mounted Backdraft Damper | 1,049.23 | 89.20 |

### 23 33 13 23-0365 Backdraft Damper Accessories *(23 33 13 23)*

| | | | | |
|---|---|---|---|---|
| 23 33 13 23-0366 | EA | For Motor Pack For Horizontally Mounted Backdraft Damper | 284.54 | 31.57 |
| 23 33 13 23-0367 | EA | For Motor Pack For Vertically Mounted Backdraft Damper | 487.75 | 31.57 |

## 23 33 13 33 Splitter Damper Hardware *(23 33 13)*

| | | | | |
|---|---|---|---|---|
| 23 33 13 33-0001 | EA | Splitter Damper, Hardware | 45.61 | 8.92 |

## 23 33 13 43 Blower Check Valve *(23 33 13)*

### 23 33 13 43-0001 Blower Check Valves With Silicone Seals *(23 33 13 43)*

| | | | | |
|---|---|---|---|---|
| 23 33 13 43-0002 | EA | 2-1/2" Blower Check Valves, Silicone Seals | 295.86 | 32.92 |
| 23 33 13 43-0003 | EA | 3" Blower Check Valves, Silicone Seals | 330.31 | 37.52 |
| 23 33 13 43-0004 | EA | 4" Blower Check Valves, Silicone Seals | 424.20 | 49.77 |
| 23 33 13 43-0005 | EA | 5" Blower Check Valves, Silicone Seals | 586.60 | 57.43 |
| 23 33 13 43-0006 | EA | 6" Blower Check Valves, Silicone Seals | 657.08 | 68.91 |
| 23 33 13 43-0007 | EA | 8" Blower Check Valves, Silicone Seals | 980.02 | 87.29 |

### 23 33 13 43-0008 Blower Check Valves With Viton Seats *(23 33 13 43)*

| | | | | |
|---|---|---|---|---|
| 23 33 13 43-0009 | EA | 2-1/2" Blower Check Valves, Viton Seats | 409.65 | 32.92 |
| 23 33 13 43-0010 | EA | 3" Blower Check Valves, Viton Seats | 465.56 | 37.52 |
| 23 33 13 43-0011 | EA | 4" Blower Check Valves, Viton Seats | 518.37 | 49.77 |
| 23 33 13 43-0012 | EA | 5" Blower Check Valves, Viton Seats | 727.58 | 57.43 |
| 23 33 13 43-0013 | EA | 6" Blower Check Valves, Viton Seats | 812.70 | 68.91 |
| 23 33 13 43-0014 | EA | 8" Blower Check Valves, Viton Seats | 1,255.31 | 87.29 |

## 23 33 19 Duct Silencers *(23 33)*

### 23 33 19 00-0001 36" Long Packaged Duct Sound Trap *(23 33 19)*

| | | | | |
|---|---|---|---|---|
| 23 33 19 00-0002 | EA | 12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 400.75 | 52.23 |
| 23 33 19 00-0003 | EA | 12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 482.60 | 59.87 |
| 23 33 19 00-0004 | EA | 12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 629.41 | 68.79 |
| 23 33 19 00-0005 | EA | 12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 767.88 | 77.71 |
| 23 33 19 00-0006 | EA | 24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 708.46 | 77.71 |
| 23 33 19 00-0007 | EA | 24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 911.46 | 81.52 |
| 23 33 19 00-0008 | EA | 24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,008.23 | 86.62 |
| 23 33 19 00-0009 | EA | 24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,107.56 | 91.72 |
| 23 33 19 00-0010 | EA | 24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,458.82 | 104.45 |
| 23 33 19 00-0011 | EA | 36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 903.34 | 86.62 |
| 23 33 19 00-0012 | EA | 36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,224.56 | 104.45 |
| 23 33 19 00-0013 | EA | 36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 2,185.07 | 140.12 |
| 23 33 19 00-0014 | EA | 36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 2,420.04 | 147.76 |
| 23 33 19 00-0015 | EA | 48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 2,703.29 | 159.23 |
| 23 33 19 00-0016 | EA | 48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator | 3,037.42 | 173.24 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 33 19 00-0017** | | **60" Long Packaged Duct Sound Trap** *(23 33 19)* | | |
| 23 33 19 00-0018 | EA | 12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 447.82 | 114.65 |
| 23 33 19 00-0019 | EA | 12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 540.76 | 132.48 |
| 23 33 19 00-0020 | EA | 12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 707.01 | 152.86 |
| 23 33 19 00-0021 | EA | 12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 862.72 | 171.97 |
| 23 33 19 00-0022 | EA | 24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 795.17 | 171.97 |
| 23 33 19 00-0023 | EA | 24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,027.47 | 182.15 |
| 23 33 19 00-0024 | EA | 24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,133.08 | 191.07 |
| 23 33 19 00-0025 | EA | 24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,240.61 | 201.27 |
| 23 33 19 00-0026 | EA | 24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,642.59 | 229.29 |
| 23 33 19 00-0027 | EA | 36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,013.89 | 191.07 |
| 23 33 19 00-0028 | EA | 36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,376.39 | 229.29 |
| 23 33 19 00-0029 | EA | 36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 2,450.93 | 301.89 |
| 23 33 19 00-0030 | EA | 36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 2,737.07 | 327.37 |
| 23 33 19 00-0031 | EA | 48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 3,042.98 | 347.75 |
| 23 33 19 00-0032 | EA | 48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator | 3,426.34 | 382.15 |
| **23 33 19 00-0033** | | **84" Long Packaged Duct Sound Trap** *(23 33 19)* | | |
| 23 33 19 00-0034 | EA | 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 385.76 | 95.54 |
| 23 33 19 00-0035 | EA | 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 664.06 | 142.67 |
| 23 33 19 00-0036 | EA | 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 925.46 | 208.91 |
| 23 33 19 00-0037 | EA | 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 523.31 | 114.65 |
| 23 33 19 00-0038 | EA | 12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 652.01 | 132.48 |
| 23 33 19 00-0039 | EA | 12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 889.78 | 152.86 |
| 23 33 19 00-0040 | EA | 12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,054.66 | 164.33 |
| 23 33 19 00-0041 | EA | 12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,151.36 | 177.06 |
| 23 33 19 00-0042 | EA | 12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,454.91 | 191.07 |
| 23 33 19 00-0043 | EA | 12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,724.07 | 208.91 |
| 23 33 19 00-0044 | EA | 24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 984.49 | 177.06 |
| 23 33 19 00-0045 | EA | 24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,414.77 | 184.70 |
| 23 33 19 00-0046 | EA | 24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,546.30 | 191.07 |
| 23 33 19 00-0047 | EA | 24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 1,685.61 | 201.27 |
| 23 33 19 00-0048 | EA | 24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 2,121.23 | 216.55 |
| 23 33 19 00-0049 | EA | 24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator | 2,302.14 | 229.29 |
| **23 33 23** | | **Turning Vanes** *(23 33)* | | |
| **23 33 23 00-0001** | | **Duct Turning Vane Components** *(23 33 23)* | | |
| 23 33 23 00-0002 | LF | Duct Turning Vane Rail | 13.97 | 3.18 |
| | | *For Stainless Steel, Add* | *9.58* | |
| 23 33 23 00-0003 | LF | Double Thick Factory Fabricated, Duct Turning Vane | 13.73 | 1.28 |
| | | *For Stainless Steel, Add* | *14.42* | |
| **23 33 23 00-0004** | | **Duct Turning Vane Sets** *(23 33 23)* | | |
| | | Note: Measured from inside corner to outside corner of ductwork. | | |
| 23 33 23 00-0005 | LF | 12" High Duct Turning Vanes, Sets | 56.93 | 4.78 |
| | | *For Stainless Steel, Add* | *66.25* | |
| 23 33 23 00-0006 | LF | 14" High Duct Turning Vanes, Sets | 70.83 | 5.09 |
| | | *For Stainless Steel, Add* | *83.80* | |
| 23 33 23 00-0007 | LF | 16" High Duct Turning Vanes, Sets | 97.00 | 5.35 |
| | | *For Stainless Steel, Add* | *117.34* | |
| 23 33 23 00-0008 | LF | 18" High Duct Turning Vanes, Sets | 123.22 | 5.73 |
| | | *For Stainless Steel, Add* | *150.87* | |
| 23 33 23 00-0009 | LF | 20" High Duct Turning Vanes, Sets | 136.57 | 6.11 |
| | | *For Stainless Steel, Add* | *167.61* | |
| 23 33 23 00-0010 | LF | 22" High Duct Turning Vanes, Sets | 174.79 | 5.73 |
| | | *For Stainless Steel, Add* | *217.92* | |
| 23 33 23 00-0011 | LF | 24" High Duct Turning Vanes, Sets | 214.81 | 6.75 |
| | | *For Stainless Steel, Add* | *268.20* | |
| 23 33 23 00-0012 | LF | 26" High Duct Turning Vanes, Sets | 230.66 | 7.06 |
| | | *For Stainless Steel, Add* | *288.39* | |
| 23 33 23 00-0013 | LF | 30" High Duct Turning Vanes, Sets | 257.63 | 7.34 |
| | | *For Stainless Steel, Add* | *323.00* | |
| **23 33 33** | | **Duct-Mounting Access Doors** *(23 33)* | | |
| **23 33 33 00-0001** | | **Duct Access Doors, Insulated Factory Fabrication** *(23 33 33)* | | |
| 23 33 33 00-0002 | EA | 6" x 6" Duct Access Doors Insulated Factory Fabrication | 100.02 | 17.84 |
| | | *For Stainless Steel, Add* | *56.72* | |
| 23 33 33 00-0003 | EA | 10" x 10" Duct Access Doors Insulated Factory Fabrication | 105.97 | 17.84 |
| | | *For Stainless Steel, Add* | *68.62* | |
| 23 33 33 00-0004 | EA | 12" x 12" Duct Access Doors Insulated Factory Fabrication | 108.88 | 17.84 |
| | | *For Stainless Steel, Add* | *74.44* | |
| 23 33 33 00-0005 | EA | 12" x 18" Duct Access Doors Insulated Factory Fabrication | 140.67 | 21.65 |
| | | *For Stainless Steel, Add* | *104.98* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 23 33 33 00-0006 | | EA | 16" x 12" Duct Access Doors Insulated Factory Fabrication | 141.85 | 21.65 |
| | | | *For Stainless Steel, Add* | *107.34* | |
| 23 33 33 00-0007 | | EA | 18" x 18" Duct Access Doors Insulated Factory Fabrication | 176.42 | 29.30 |
| | | | *For Stainless Steel, Add* | *123.54* | |
| 23 33 33 00-0008 | | EA | 24" x 18" Duct Access Doors Insulated Factory Fabrication | 209.81 | 35.67 |
| | | | *For Stainless Steel, Add* | *133.02* | |
| 23 33 33 00-0009 | | EA | 24" x 24" Duct Access Doors Insulated Factory Fabrication | 272.74 | 48.40 |
| | | | *For Stainless Steel, Add* | *163.34* | |

## 23 33 43 Flexible Connectors *(23 33)*

| | | | | | |
|---|---|---|---|---|---|
| 23 33 43 00-0001 | | LF | 6-1/2" Width, Galvanized Steel, Flexible Duct Connector | 16.19 | 3.82 |
| 23 33 43 00-0002 | | LF | 5-3/4" Width, Vinyl/Steel, Flexible Duct Connector | 16.64 | 3.44 |

## 23 33 46 Flexible Ducts *(23 33)*

### 23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket *(23 33 46)*

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

| | | | | | |
|---|---|---|---|---|---|
| 23 33 46 00-0002 | | LF | 4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket | 9.40 | 1.28 |
| | | | *For R6.0 Insulated Flexible Duct, Deduct* | *-1.02* | |
| | | | *For R4.2 Insulated Flexible Duct, Deduct* | *-1.19* | |
| 23 33 46 00-0003 | | LF | 5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket | 10.36 | 2.55 |
| | | | *For R6.0 Insulated Flexible Duct, Deduct* | *-1.08* | |
| | | | *For R4.2 Insulated Flexible Duct, Deduct* | *-1.26* | |
| 23 33 46 00-0004 | | LF | 6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket | 11.58 | 2.55 |
| | | | *For R6.0 Insulated Flexible Duct, Deduct* | *-1.10* | |
| | | | *For R4.2 Insulated Flexible Duct, Deduct* | *-1.29* | |
| 23 33 46 00-0005 | | LF | 7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket | 13.42 | 2.55 |
| | | | *For R6.0 Insulated Flexible Duct, Deduct* | *-1.24* | |
| | | | *For R4.2 Insulated Flexible Duct, Deduct* | *-1.44* | |
| 23 33 46 00-0006 | | LF | 8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket | 15.62 | 3.82 |
| | | | *For R6.0 Insulated Flexible Duct, Deduct* | *-1.25* | |
| | | | *For R4.2 Insulated Flexible Duct, Deduct* | *-1.46* | |
| 23 33 46 00-0007 | | LF | 10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket | 20.24 | 3.82 |
| | | | *For R6.0 Insulated Flexible Duct, Deduct* | *-1.68* | |
| | | | *For R4.2 Insulated Flexible Duct, Deduct* | *-1.96* | |
| 23 33 46 00-0008 | | LF | 12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket | 27.04 | 5.09 |
| | | | *For R6.0 Insulated Flexible Duct, Deduct* | *-2.00* | |
| | | | *For R4.2 Insulated Flexible Duct, Deduct* | *-2.33* | |
| 23 33 46 00-0009 | | LF | 14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket | 33.60 | 5.09 |
| | | | *For R6.0 Insulated Flexible Duct, Deduct* | *-2.44* | |
| | | | *For R4.2 Insulated Flexible Duct, Deduct* | *-2.84* | |
| 23 33 46 00-0010 | | LF | 16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket | 43.72 | 6.37 |
| | | | *For R6.0 Insulated Flexible Duct, Deduct* | *-2.91* | |
| | | | *For R4.2 Insulated Flexible Duct, Deduct* | *-3.40* | |
| 23 33 46 00-0011 | | LF | 18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket | 53.41 | 8.28 |
| | | | *For R6.0 Insulated Flexible Duct, Deduct* | *-3.79* | |
| | | | *For R4.2 Insulated Flexible Duct, Deduct* | *-4.42* | |
| 23 33 46 00-0012 | | LF | 20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket | 63.64 | 8.92 |
| | | | *For R6.0 Insulated Flexible Duct, Deduct* | *-5.72* | |
| | | | *For R4.2 Insulated Flexible Duct, Deduct* | *-6.67* | |

### 23 33 46 00-0013 Collars, Sheet Metal Spin-In Type With Damper *(23 33 46)*

| | | | | | |
|---|---|---|---|---|---|
| 23 33 46 00-0014 | | EA | Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper | 51.83 | 7.64 |
| | | | *For Stainless Steel, Add* | *30.12* | |
| 23 33 46 00-0015 | | EA | 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper | 56.22 | 8.92 |
| | | | *For Stainless Steel, Add* | *30.51* | |
| 23 33 46 00-0016 | | EA | 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper | 64.11 | 8.92 |
| | | | *For Stainless Steel, Add* | *33.66* | |
| 23 33 46 00-0017 | | EA | 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper | 72.57 | 11.46 |
| | | | *For Stainless Steel, Add* | *34.72* | |
| 23 33 46 00-0018 | | EA | 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper | 87.49 | 14.01 |
| | | | *For Stainless Steel, Add* | *39.22* | |
| 23 33 46 00-0019 | | EA | 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper | 102.72 | 16.56 |
| | | | *For Stainless Steel, Add* | *48.36* | |
| 23 33 46 00-0020 | | EA | 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper | 116.51 | 19.10 |
| | | | *For Stainless Steel, Add* | *52.10* | |
| 23 33 46 00-0021 | | EA | 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper | 138.08 | 21.65 |
| | | | *For Stainless Steel, Add* | *65.25* | |
| 23 33 46 00-0022 | | EA | 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper | 150.45 | 24.21 |
| | | | *For Stainless Steel, Add* | *71.38* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 33 53** | | **Duct Liners** *(23 33)* | | |
| 23 33 53 00-0001 | | Fiberglass Duct Liner Board, Rigid, Acoustical Insulation *(23 33 53)* | | |
| 23 33 53 00-0002 | SF | 1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board | 12.48 | 3.44 |
| 23 33 53 00-0003 | SF | 3/4" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board | 13.64 | 3.44 |
| 23 33 53 00-0004 | SF | 1" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board | 15.11 | 4.59 |
| 23 33 53 00-0005 | SF | 1-1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board | 18.48 | 4.59 |
| 23 33 53 00-0006 | SF | 2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board | 22.28 | 5.17 |
| 23 33 53 00-0007 | SF | 1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board | 12.11 | 3.82 |
| 23 33 53 00-0008 | SF | 3/4" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board | 13.26 | 3.82 |
| 23 33 53 00-0009 | SF | 1" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board | 14.73 | 5.09 |
| 23 33 53 00-0010 | SF | 1-1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board | 17.89 | 5.09 |
| 23 33 53 00-0011 | SF | 2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board | 21.66 | 5.73 |
| 23 33 53 00-0012 | | Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation *(23 33 53)* | | |
| 23 33 53 00-0013 | SF | 1/2", R2, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket | 2.37 | 3.06 |
| 23 33 53 00-0014 | SF | 1", R3.8, 1.5 Lb./CF, T150, Fiberglass Duct Liner Blanket | 3.01 | 3.44 |
| 23 33 53 00-0015 | SF | 1", R4.1, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket | 3.33 | 3.44 |
| 23 33 53 00-0016 | SF | 1", R4.3, 3 Lb./CF, T300, Fiberglass Duct Liner Blanket | 4.23 | 3.44 |
| 23 33 53 00-0017 | SF | 1-1/2", T150, 1.5 Lb./CF, Fiberglass Duct Liner Blanket | 3.58 | 3.82 |
| 23 33 53 00-0018 | SF | 2", R7.7, 1.5 Lb./CF, T150 Fiberglass Duct Liner Blanket | 3.79 | 4.21 |
| 23 33 53 00-0019 | SF | 2", R8, 2 Lb./CF, T200 Fiberglass Duct Liner Blanket | 5.75 | 4.21 |
| **23 33 56** | | **Duct Air Extractors** *(23 33)* | | |
| 23 33 56 00-0001 | EA | 12" x 4" Duct Air Extractor | 63.80 | 21.02 |
| | | *For Stainless Steel, Add* | *28.30* | |
| 23 33 56 00-0002 | EA | 8" x 6" Duct Air Extractor | 67.63 | 22.93 |
| | | *For Stainless Steel, Add* | *28.30* | |
| 23 33 56 00-0003 | EA | 12" x 6" Duct Air Extractor | 78.53 | 24.21 |
| | | *For Stainless Steel, Add* | *39.17* | |
| 23 33 56 00-0004 | EA | 16" x 6" Duct Air Extractor | 89.16 | 25.48 |
| | | *For Stainless Steel, Add* | *49.67* | |
| 23 33 56 00-0005 | EA | 24" x 6" Duct Air Extractor | 119.14 | 28.02 |
| | | *For Stainless Steel, Add* | *82.03* | |
| 23 33 56 00-0006 | EA | 12" x 8" Duct Air Extractor | 84.72 | 25.48 |
| | | *For Stainless Steel, Add* | *43.90* | |
| 23 33 56 00-0007 | EA | 20" x 8" Duct Air Extractor | 112.57 | 31.85 |
| | | *For Stainless Steel, Add* | *63.54* | |
| 23 33 56 00-0008 | EA | 18" x 10" Duct Air Extractor | 120.60 | 36.30 |
| | | *For Stainless Steel, Add* | *62.39* | |
| 23 33 56 00-0009 | EA | 24" x 10" Duct Air Extractor | 147.56 | 42.66 |
| | | *For Stainless Steel, Add* | *80.87* | |
| 23 33 56 00-0010 | EA | 24" x 12" Duct Air Extractor | 168.55 | 50.95 |
| | | *For Stainless Steel, Add* | *86.65* | |
| 23 33 56 00-0011 | EA | 30" x 12" Duct Air Extractor | 210.91 | 63.69 |
| | | *For Stainless Steel, Add* | *108.59* | |
| **23 33 59** | | **Duct Pressure Relief Doors** *(23 33)* | | |
| 23 33 59 00-0001 | | Duct Pressure Relief Doors *(23 33 59)* | | |
| 23 33 59 00-0002 | EA | 18" x 18" Duct Pressure Relief Door (Ruskin PRD18) | 1,283.55 | 38.22 |
| 23 33 59 00-0003 | EA | 24" x 10" Duct Pressure Relief Door (Ruskin PRD18) | 1,054.54 | 31.85 |
| 23 33 59 00-0004 | EA | 24" x 12" Duct Pressure Relief Door (Ruskin PRD18) | 1,044.67 | 35.03 |
| **23 34** | | **HVAC Fans** *(23 30)* | | |
| **23 34 13** | | **Axial HVAC Fans** *(23 34)* | | |
| 23 34 13 00-0001 | | Tube-Axial Fans *(23 34 13)* | | |
| 23 34 13 00-0002 | | Direct Drive Tube-Axial Duct Fans *(23 34 13 00-0001)* | | |
| 23 34 13 00-0003 | EA | 12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure | 1,978.12 | 391.37 |
| | | *For 1/4" Static Pressure, Add* | *95.57* | |
| | | *For 3/8" Static Pressure, Add* | *191.14* | |
| | | *For 1/2" Static Pressure, Add* | *262.81* | |
| 23 34 13 00-0004 | EA | 12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure | 2,063.45 | 392.54 |
| | | *For 1/4" Static Pressure, Add* | *102.39* | |
| | | *For 3/8" Static Pressure, Add* | *204.79* | |
| | | *For 1/2" Static Pressure, Add* | *281.58* | |
| 23 34 13 00-0005 | EA | 16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure | 2,234.11 | 391.37 |
| | | *For 1/4" Static Pressure, Add* | *116.05* | |
| | | *For 3/8" Static Pressure, Add* | *232.09* | |
| | | *For 1/2" Static Pressure, Add* | *319.13* | |
| 23 34 13 00-0006 | EA | 20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure | 2,404.77 | 392.54 |
| | | *For 1/4" Static Pressure, Add* | *129.70* | |
| | | *For 3/8" Static Pressure, Add* | *259.40* | |
| | | *For 1/2" Static Pressure, Add* | *356.68* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 13 00-0007 | EA | 22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure | 2,817.45 | 470.11 |
| | | *For 1/4" Static Pressure, Add* | *150.18* | |
| | | *For 3/8" Static Pressure, Add* | *300.36* | |
| | | *For 1/2" Static Pressure, Add* | *412.99* | |
| 23 34 13 00-0008 | EA | 24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure | 3,240.53 | 511.25 |
| | | *For 1/4" Static Pressure, Add* | *177.48* | |
| | | *For 3/8" Static Pressure, Add* | *354.97* | |
| | | *For 1/2" Static Pressure, Add* | *488.08* | |
| 23 34 13 00-0009 | EA | 24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure | 3,423.19 | 559.43 |
| | | *For 1/4" Static Pressure, Add* | *184.31* | |
| | | *For 3/8" Static Pressure, Add* | *368.62* | |
| | | *For 1/2" Static Pressure, Add* | *506.85* | |
| 23 34 13 00-0010 | EA | 30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure | 3,905.79 | 587.64 |
| | | *For 1/4" Static Pressure, Add* | *218.44* | |
| | | *For 3/8" Static Pressure, Add* | *436.88* | |
| | | *For 1/2" Static Pressure, Add* | *600.71* | |
| 23 34 13 00-0011 | EA | 30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure | 4,711.58 | 734.54 |
| | | *For 1/4" Static Pressure, Add* | *259.40* | |
| | | *For 3/8" Static Pressure, Add* | *518.80* | |
| | | *For 1/2" Static Pressure, Add* | *713.35* | |
| 23 34 13 00-0012 | EA | 36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure | 5,321.50 | 783.90 |
| | | *For 1/4" Static Pressure, Add* | *300.36* | |
| | | *For 3/8" Static Pressure, Add* | *600.72* | |
| | | *For 1/2" Static Pressure, Add* | *825.98* | |
| 23 34 13 00-0013 | EA | 36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure | 6,245.21 | 903.78 |
| | | *For 1/4" Static Pressure, Add* | *354.97* | |
| | | *For 3/8" Static Pressure, Add* | *709.94* | |
| | | *For 1/2" Static Pressure, Add* | *976.16* | |

## 23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 34 13 00-0015 | EA | 15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure | 1,875.84 | 379.62 |
| | | *For 1/4" Static Pressure, Add* | *89.41* | |
| | | *For 3/8" Static Pressure, Add* | *178.82* | |
| | | *For 1/2" Static Pressure, Add* | *245.87* | |
| 23 34 13 00-0016 | EA | 15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure | 1,989.35 | 392.54 |
| | | *For 1/4" Static Pressure, Add* | *96.47* | |
| | | *For 3/8" Static Pressure, Add* | *192.93* | |
| | | *For 1/2" Static Pressure, Add* | *265.28* | |
| 23 34 13 00-0017 | EA | 18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure | 2,055.57 | 405.47 |
| | | *For 1/4" Static Pressure, Add* | *99.60* | |
| | | *For 3/8" Static Pressure, Add* | *199.21* | |
| | | *For 1/2" Static Pressure, Add* | *273.91* | |
| 23 34 13 00-0018 | EA | 18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure | 2,176.02 | 419.57 |
| | | *For 1/4" Static Pressure, Add* | *106.92* | |
| | | *For 3/8" Static Pressure, Add* | *213.85* | |
| | | *For 1/2" Static Pressure, Add* | *294.04* | |
| 23 34 13 00-0019 | EA | 18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure | 2,455.46 | 436.02 |
| | | *For 1/4" Static Pressure, Add* | *126.79* | |
| | | *For 3/8" Static Pressure, Add* | *253.58* | |
| | | *For 1/2" Static Pressure, Add* | *348.68* | |
| 23 34 13 00-0020 | EA | 24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure | 2,590.25 | 452.47 |
| | | *For 1/4" Static Pressure, Add* | *134.90* | |
| | | *For 3/8" Static Pressure, Add* | *269.79* | |
| | | *For 1/2" Static Pressure, Add* | *370.96* | |
| 23 34 13 00-0021 | EA | 24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure | 2,900.91 | 470.11 |
| | | *For 1/4" Static Pressure, Add* | *156.86* | |
| | | *For 3/8" Static Pressure, Add* | *313.71* | |
| | | *For 1/2" Static Pressure, Add* | *431.35* | |
| 23 34 13 00-0022 | EA | 24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure | 3,274.82 | 470.11 |
| | | *For 1/4" Static Pressure, Add* | *186.89* | |
| | | *For 3/8" Static Pressure, Add* | *373.78* | |
| | | *For 1/2" Static Pressure, Add* | *513.94* | |
| 23 34 13 00-0023 | EA | 30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure | 3,797.85 | 511.25 |
| | | *For 1/4" Static Pressure, Add* | *222.21* | |
| | | *For 3/8" Static Pressure, Add* | *444.42* | |
| | | *For 1/2" Static Pressure, Add* | *611.08* | |
| 23 34 13 00-0024 | EA | 30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure | 4,502.35 | 619.37 |
| | | *For 1/4" Static Pressure, Add* | *261.43* | |
| | | *For 3/8" Static Pressure, Add* | *522.85* | |
| | | *For 1/2" Static Pressure, Add* | *718.92* | |
| 23 34 13 00-0025 | EA | 30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure | 5,133.25 | 619.37 |
| | | *For 1/4" Static Pressure, Add* | *311.48* | |
| | | *For 3/8" Static Pressure, Add* | *622.96* | |
| | | *For 1/2" Static Pressure, Add* | *856.57* | |
| 23 34 13 00-0026 | EA | 36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure | 5,653.25 | 653.45 |
| | | *For 1/4" Static Pressure, Add* | *347.79* | |
| | | *For 3/8" Static Pressure, Add* | *695.58* | |
| | | *For 1/2" Static Pressure, Add* | *956.43* | |
| 23 34 13 00-0027 | EA | 36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure | 6,176.54 | 691.06 |
| | | *For 1/4" Static Pressure, Add* | *383.77* | |
| | | *For 3/8" Static Pressure, Add* | *767.54* | |
| | | *For 1/2" Static Pressure, Add* | *1,055.37* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 13 00-0028 | EA | 36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure | 7,031.09 | 903.78 |
| | | *For 1/4" Static Pressure, Add* | *418.28* | |
| | | *For 3/8" Static Pressure, Add* | *836.56* | |
| | | *For 1/2" Static Pressure, Add* | *1,150.27* | |
| 23 34 13 00-0029 | EA | 36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure | 8,032.19 | 904.96 |
| | | *For 1/4" Static Pressure, Add* | *498.37* | |
| | | *For 3/8" Static Pressure, Add* | *996.74* | |
| | | *For 1/2" Static Pressure, Add* | *1,370.52* | |
| 23 34 13 00-0030 | EA | 42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure | 9,070.18 | 1,068.08 |
| | | *For 1/4" Static Pressure, Add* | *555.29* | |
| | | *For 3/8" Static Pressure, Add* | *1,110.57* | |
| | | *For 1/2" Static Pressure, Add* | *1,527.04* | |

## 23 34 16 Centrifugal HVAC Fans *(23 34)*

### 23 34 16 00-0001 Centrifugal Fans *(23 34 16)*

Note: All belt fans to be supplied with belt guard.

### 23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*

Note: V-belt driven.

### 23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*

Note: Under 30" diameter wheel.

### 23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0005 | EA | 1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan | 1,296.96 | 258.21 |
| 23 34 16 00-0006 | EA | 1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan | 1,855.05 | 267.96 |
| 23 34 16 00-0007 | EA | 1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan | 1,909.16 | 213.55 |
| 23 34 16 00-0008 | EA | 1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan | 1,993.67 | 292.64 |
| 23 34 16 00-0009 | EA | 3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan | 2,043.09 | 310.27 |
| 23 34 16 00-0010 | EA | 1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan | 2,108.61 | 323.20 |
| 23 34 16 00-0011 | EA | 1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan | 2,174.98 | 344.36 |

### 23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0013 | EA | 1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure | 2,137.49 | 282.07 |
| 23 34 16 00-0014 | EA | 1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure | 2,176.42 | 292.64 |
| 23 34 16 00-0015 | EA | 1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure | 2,248.63 | 310.27 |
| 23 34 16 00-0016 | EA | 3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure | 2,291.02 | 323.20 |
| 23 34 16 00-0017 | EA | 1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure | 2,369.27 | 344.36 |
| 23 34 16 00-0018 | EA | 1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure | 2,446.77 | 360.81 |

### 23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0020 | EA | 1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure | 2,153.62 | 292.64 |
| 23 34 16 00-0021 | EA | 1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure | 2,203.03 | 310.27 |
| 23 34 16 00-0022 | EA | 1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure | 2,268.22 | 323.20 |
| 23 34 16 00-0023 | EA | 3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure | 2,323.66 | 344.36 |
| 23 34 16 00-0024 | EA | 1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure | 2,393.57 | 360.81 |
| 23 34 16 00-0025 | EA | 1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure | 2,491.56 | 387.84 |
| 23 34 16 00-0026 | EA | 2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure | 2,568.08 | 407.82 |

### 23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0028 | EA | 1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure | 2,465.25 | 310.27 |
| 23 34 16 00-0029 | EA | 1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure | 2,554.12 | 323.20 |
| 23 34 16 00-0030 | EA | 1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure | 2,652.89 | 344.36 |
| 23 34 16 00-0031 | EA | 3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure | 2,705.10 | 360.81 |
| 23 34 16 00-0032 | EA | 1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure | 2,774.00 | 387.84 |
| 23 34 16 00-0033 | EA | 1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure | 2,832.83 | 407.82 |
| 23 34 16 00-0034 | EA | 2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure | 3,145.55 | 443.08 |

### 23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0036 | EA | 1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure | 2,547.54 | 323.20 |
| 23 34 16 00-0037 | EA | 1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure | 2,608.68 | 344.36 |
| 23 34 16 00-0038 | EA | 1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure | 2,690.00 | 360.81 |
| 23 34 16 00-0039 | EA | 3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure | 2,753.80 | 387.84 |
| 23 34 16 00-0040 | EA | 1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure | 2,841.71 | 407.82 |
| 23 34 16 00-0041 | EA | 1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure | 2,974.55 | 443.08 |
| 23 34 16 00-0042 | EA | 2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure | 3,060.85 | 470.11 |
| 23 34 16 00-0043 | EA | 3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure | 3,189.74 | 517.12 |

### 23 34 16 00-0044 20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0045 | EA | 1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure | 2,574.48 | 344.36 |
| 23 34 16 00-0046 | EA | 1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure | 2,655.77 | 360.81 |
| 23 34 16 00-0047 | EA | 1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure | 2,753.80 | 387.84 |
| 23 34 16 00-0048 | EA | 3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure | 2,841.71 | 407.82 |
| 23 34 16 00-0049 | EA | 1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure | 3,008.74 | 443.08 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 16 00-0050 | EA | 1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure | 3,241.62 | 470.11 |
| 23 34 16 00-0051 | EA | 2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure | 3,405.71 | 517.12 |
| 23 34 16 00-0052 | EA | 3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure | 3,575.68 | 553.56 |
| 23 34 16 00-0053 | | 22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure *(23 34 16 00-0003)* | | |
| 23 34 16 00-0054 | EA | 1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure | 3,092.82 | 360.81 |
| 23 34 16 00-0055 | EA | 1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure | 3,151.27 | 387.84 |
| 23 34 16 00-0056 | EA | 1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure | 3,231.23 | 407.82 |
| 23 34 16 00-0057 | EA | 3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure | 3,331.77 | 443.08 |
| 23 34 16 00-0058 | EA | 1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure | 3,464.60 | 470.11 |
| 23 34 16 00-0059 | EA | 1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure | 3,510.20 | 517.12 |
| 23 34 16 00-0060 | EA | 2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure | 3,598.48 | 553.56 |
| 23 34 16 00-0061 | EA | 3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure | 3,756.21 | 620.54 |
| 23 34 16 00-0062 | | 24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure *(23 34 16 00-0003)* | | |
| 23 34 16 00-0063 | EA | 1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure | 3,719.06 | 387.84 |
| 23 34 16 00-0064 | EA | 1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure | 3,841.00 | 443.08 |
| 23 34 16 00-0065 | EA | 3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure | 3,961.51 | 470.11 |
| 23 34 16 00-0066 | EA | 1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure | 4,089.75 | 517.12 |
| 23 34 16 00-0067 | EA | 1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure | 4,202.72 | 553.56 |
| 23 34 16 00-0068 | EA | 2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure | 4,303.46 | 620.54 |
| 23 34 16 00-0069 | EA | 3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure | 4,442.23 | 674.60 |
| 23 34 16 00-0070 | EA | 5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure | 4,766.52 | 775.68 |
| 23 34 16 00-0071 | | 27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure *(23 34 16 00-0003)* | | |
| 23 34 16 00-0072 | EA | 1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure | 4,120.50 | 407.82 |
| 23 34 16 00-0073 | EA | 1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure | 4,246.54 | 470.11 |
| 23 34 16 00-0074 | EA | 3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure | 4,374.77 | 517.12 |
| 23 34 16 00-0075 | EA | 1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure | 4,487.75 | 553.56 |
| 23 34 16 00-0076 | EA | 1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure | 4,645.48 | 620.54 |
| 23 34 16 00-0077 | EA | 2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure | 4,783.90 | 674.60 |
| 23 34 16 00-0078 | EA | 3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure | 5,132.42 | 775.68 |
| 23 34 16 00-0079 | EA | 5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure | 5,182.14 | 861.47 |
| 23 34 16 00-0080 | | Large Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*<br>Note: Over 30" diameter wheel. | | |
| 23 34 16 00-0081 | | 30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure *(23 34 16 00-0080)* | | |
| 23 34 16 00-0082 | EA | 1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure | 5,771.38 | 517.12 |
| 23 34 16 00-0083 | EA | 3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure | 5,879.87 | 553.56 |
| 23 34 16 00-0084 | EA | 1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure | 6,047.79 | 620.54 |
| 23 34 16 00-0085 | EA | 1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure | 6,197.60 | 674.60 |
| 23 34 16 00-0086 | EA | 2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure | 6,419.65 | 775.68 |
| 23 34 16 00-0087 | EA | 3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure | 6,618.64 | 861.47 |
| 23 34 16 00-0088 | EA | 5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure | 6,948.22 | 1,034.24 |
| 23 34 16 00-0089 | EA | 7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure | 7,252.16 | 1,192.90 |
| 23 34 16 00-0090 | | 33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure *(23 34 16 00-0080)* | | |
| 23 34 16 00-0091 | EA | 1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure | 6,767.92 | 553.56 |
| 23 34 16 00-0092 | EA | 3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure | 6,982.66 | 620.54 |
| 23 34 16 00-0093 | EA | 1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure | 7,178.43 | 674.60 |
| 23 34 16 00-0094 | EA | 1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure | 7,445.73 | 775.68 |
| 23 34 16 00-0095 | EA | 2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure | 7,690.33 | 861.47 |
| 23 34 16 00-0096 | EA | 3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure | 8,065.50 | 1,034.24 |
| 23 34 16 00-0097 | EA | 5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure | 8,483.57 | 1,192.90 |
| 23 34 16 00-0098 | EA | 7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure | 9,077.05 | 1,551.36 |
| 23 34 16 00-0099 | | 36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure *(23 34 16 00-0080)* | | |
| 23 34 16 00-0100 | EA | 1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure | 7,224.37 | 620.54 |
| 23 34 16 00-0101 | EA | 3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure | 7,426.97 | 674.60 |
| 23 34 16 00-0102 | EA | 1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure | 8,070.49 | 775.68 |
| 23 34 16 00-0103 | EA | 1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure | 8,504.36 | 861.47 |
| 23 34 16 00-0104 | EA | 2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure | 9,039.41 | 1,034.24 |
| 23 34 16 00-0105 | EA | 3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure | 9,450.30 | 1,192.90 |
| 23 34 16 00-0106 | EA | 5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure | 10,313.04 | 1,551.36 |
| 23 34 16 00-0107 | EA | 7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure | 11,036.88 | 1,939.19 |
| 23 34 16 00-0108 | | Kitchen System Fans *(23 34 16 00-0001)* | | |
| 23 34 16 00-0109 | | Upblast Kitchen Exhaust Fans *(23 34 16 00-0108)* | | |
| 23 34 16 00-0110 | | Direct Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)*<br>Note: Greenheck CUE. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 16 00-0111 | EA | Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan<br>Note: 115V. For roof or wall installations. Includes disconnect switch. | 1,386.41 | 152.78 |
| | | *For Bird Screen, Add* | *61.24* | |
| | | *For Backdraft Damper, Add* | *171.22* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0112 | EA | 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan<br>Note: 115V. For roof or wall installations. Includes disconnect switch. | 1,629.69 | 152.78 |
| | | *For Bird Screen, Add* | *61.24* | |
| | | *For Backdraft Damper, Add* | *171.22* | |
| | | *For Damper Motor, Add* | *280.17* | |

## 23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)*

Note: Greenheck CUBE.

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0114 | EA | 10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch. | 2,398.17 | 152.78 |
| | | *For Bird Screen, Add* | *61.24* | |
| | | *For Wall Mounted Fan, Add* | *95.93* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *177.87* | |
| | | *For Backdraft Damper, Add* | *171.22* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0115 | EA | 12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch. | 2,503.75 | 152.78 |
| | | *For Bird Screen, Add* | *61.24* | |
| | | *For Wall Mounted Fan, Add* | *100.15* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *186.85* | |
| | | *For Backdraft Damper, Add* | *171.22* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0116 | EA | 14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch. | 2,143.22 | 176.29 |
| | | *For Bird Screen, Add* | *69.68* | |
| | | *For Wall Mounted Fan, Add* | *85.73* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *152.20* | |
| | | *For Backdraft Damper, Add* | *194.43* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0117 | EA | 14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch. | 2,295.25 | 176.29 |
| | | *For Bird Screen, Add* | *69.68* | |
| | | *For Wall Mounted Fan, Add* | *91.81* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *165.13* | |
| | | *For Backdraft Damper, Add* | *194.43* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0118 | EA | 16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch. | 2,919.92 | 205.68 |
| | | *For Bird Screen, Add* | *69.68* | |
| | | *For Wall Mounted Fan, Add* | *116.80* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *213.23* | |
| | | *For Backdraft Damper, Add* | *194.43* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0119 | EA | 16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch. | 3,082.51 | 205.68 |
| | | *For Bird Screen, Add* | *69.68* | |
| | | *For Wall Mounted Fan, Add* | *123.30* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *227.05* | |
| | | *For Backdraft Damper, Add* | *194.43* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0120 | EA | 18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch. | 3,358.95 | 220.37 |
| | | *For Bird Screen, Add* | *116.14* | |
| | | *For Wall Mounted Fan, Add* | *134.36* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *248.05* | |
| | | *For Damper Motor, Add* | *280.17* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 16 00-0121 | EA | 18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch. | 3,612.34 | 220.37 |
| | | *For Bird Screen, Add* | *116.14* | |
| | | *For Wall Mounted Fan, Add* | *144.49* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *269.59* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0122 | EA | 20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch. | 3,671.30 | 235.06 |
| | | *For Bird Screen, Add* | *116.14* | |
| | | *For Wall Mounted Fan, Add* | *146.85* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *272.10* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0123 | EA | 20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch. | 4,028.16 | 235.06 |
| | | *For Bird Screen, Add* | *116.14* | |
| | | *For Wall Mounted Fan, Add* | *161.13* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *302.43* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0124 | EA | 24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch. | 4,640.16 | 264.44 |
| | | *For Bird Screen, Add* | *137.25* | |
| | | *For Wall Mounted Fan, Add* | *185.61* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *349.46* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0125 | EA | 24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch. | 4,967.45 | 264.44 |
| | | *For Bird Screen, Add* | *137.25* | |
| | | *For Wall Mounted Fan, Add* | *198.70* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *377.28* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0126 | EA | 30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. | 5,889.87 | 293.82 |
| | | *For Bird Screen, Add* | *147.81* | |
| | | *For Wall Mounted Fan, Add* | *235.59* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *450.69* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0127 | EA | 30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. | 5,997.56 | 293.82 |
| | | *For Bird Screen, Add* | *147.81* | |
| | | *For Wall Mounted Fan, Add* | *239.90* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *459.84* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0128 | EA | 30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. | 6,544.46 | 293.82 |
| | | *For Bird Screen, Add* | *147.81* | |
| | | *For Wall Mounted Fan, Add* | *261.78* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *506.33* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 16 00-0129 | EA | 30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. | 6,808.41 | 293.82 |
| | | *For Bird Screen, Add* | *147.81* | |
| | | *For Wall Mounted Fan, Add* | *272.34* | |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *528.77* | |
| | | *For Damper Motor, Add* | *280.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 16 00-0130 | EA | 36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. | 7,496.75 | 323.20 |
| | | *For Bird Screen, Add* | *168.93* | |
| | | *For Wall Mounted Fan, Add* | *299.87* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *582.28* | |
| | | *For Damper Motor, Add* | *280.17* | |
| | | *For Backdraft Damper, Add* | *345.42* | |
| 23 34 16 00-0131 | EA | 36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. | 7,800.29 | 323.20 |
| | | *For Bird Screen, Add* | *168.93* | |
| | | *For Wall Mounted Fan, Add* | *312.01* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *608.08* | |
| | | *For Damper Motor, Add* | *280.17* | |
| | | *For Backdraft Damper, Add* | *345.42* | |
| 23 34 16 00-0132 | EA | 42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch. | 7,867.56 | 352.58 |
| | | *For Bird Screen, Add* | *168.93* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *608.81* | |
| | | *For Damper Motor, Add* | *280.17* | |
| | | *For Backdraft Damper, Add* | *401.95* | |
| 23 34 16 00-0133 | EA | 42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan<br>Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch. | 8,533.98 | 352.58 |
| | | *For Bird Screen, Add* | *168.93* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| | | *For Grease Trap Kit, Add* | *76.41* | |
| | | *For Hinged Curb Kit, Add* | *665.45* | |
| | | *For Damper Motor, Add* | *280.17* | |
| | | *For Backdraft Damper, Add* | *401.95* | |

### 23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans *(23 34 16 00-0108)*

Note: Roof mounted with downblast discharge, weatherhood and filter.

### 23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0136 | EA | 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan<br>Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. | 1,610.98 | 152.78 |
| | | *For Extended Weatherhood, Add* | *272.17* | |
| 23 34 16 00-0137 | EA | 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan<br>Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. | 1,693.63 | 152.78 |
| | | *For Extended Weatherhood, Add* | *284.57* | |
| 23 34 16 00-0138 | EA | 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan<br>Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. | 1,795.05 | 152.78 |
| | | *For Extended Weatherhood, Add* | *299.78* | |

### 23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0140 | EA | 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan<br>Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. | 1,834.39 | 152.78 |
| | | *For Extended Weatherhood, Add* | *305.69* | |
| 23 34 16 00-0141 | EA | 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan<br>Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. | 2,052.85 | 205.68 |
| | | *For Extended Weatherhood, Add* | *349.06* | |
| 23 34 16 00-0142 | EA | 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan<br>Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. | 2,476.13 | 235.06 |
| | | *For Extended Weatherhood, Add* | *418.43* | |
| 23 34 16 00-0143 | EA | 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan<br>Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. | 2,868.17 | 293.82 |
| | | *For Extended Weatherhood, Add* | *488.99* | |
| 23 34 16 00-0144 | EA | 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan<br>Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. | 3,471.30 | 352.58 |
| | | *For Extended Weatherhood, Add* | *591.21* | |

### 23 34 16 00-0145 Replacement Parts *(23 34 16 00-0001)*

### 23 34 16 00-0146 Replace Belts And Accessories *(23 34 16 00-0145)*

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0147 | EA | Fan Shaft Bearing, Replacement | 869.07 | 384.92 |
| 23 34 16 00-0148 | EA | Fan Belt, Replacement | 144.16 | 52.20 |

### 23 34 16 00-0149 Corrosive Fume Resistant Plastic *(23 34 16 00-0001)*

### 23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure *(23 34 16 00-0149)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 16 00-0151 | EA | 250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic | 6,504.47 | 212.09 |
| | | *For Explosion Proof Motor, Add* | *912.05* | |
| 23 34 16 00-0152 | EA | 895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic | 7,063.62 | 254.77 |
| | | *For Explosion Proof Motor, Add* | *983.11* | |
| 23 34 16 00-0153 | EA | 1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic | 8,375.47 | 318.46 |
| | | *For Explosion Proof Motor, Add* | *1,160.78* | |
| 23 34 16 00-0154 | EA | 2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic | 8,983.11 | 424.82 |
| | | *For Explosion Proof Motor, Add* | *1,220.01* | |
| 23 34 16 00-0155 | EA | 3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic | 10,275.82 | 636.91 |
| | | *For Explosion Proof Motor, Add* | *1,350.30* | |
| 23 34 16 00-0156 | EA | 11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic | 17,708.92 | 1,273.82 |
| | | *For Explosion Proof Motor, Add* | *2,274.19* | |
| 23 34 16 00-0157 | EA | 18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic | 25,830.95 | 1,820.93 |
| | | *For Explosion Proof Motor, Add* | *3,328.37* | |

## 23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive *(23 34 16 00-0149)*

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0159 | EA | 1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic | 6,504.47 | 212.09 |
| | | *For Explosion Proof Motor, Add* | *912.05* | |
| 23 34 16 00-0160 | EA | 1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic | 6,668.79 | 254.77 |
| | | *For Explosion Proof Motor, Add* | *923.89* | |
| 23 34 16 00-0161 | EA | 1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic | 6,796.17 | 318.46 |
| | | *For Explosion Proof Motor, Add* | *923.89* | |
| 23 34 16 00-0162 | EA | 2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic | 7,008.99 | 424.82 |
| | | *For Explosion Proof Motor, Add* | *923.89* | |
| 23 34 16 00-0163 | EA | 3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic | 9,644.10 | 636.91 |
| | | *For Explosion Proof Motor, Add* | *1,255.54* | |
| 23 34 16 00-0164 | EA | 4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic | 9,962.57 | 796.14 |
| | | *For Explosion Proof Motor, Add* | *1,255.54* | |
| 23 34 16 00-0165 | EA | 4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic | 10,192.35 | 911.04 |
| | | *For Explosion Proof Motor, Add* | *1,255.54* | |
| 23 34 16 00-0166 | EA | 6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic | 10,438.96 | 955.37 |
| | | *For Explosion Proof Motor, Add* | *1,279.23* | |
| 23 34 16 00-0167 | EA | 7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic | 10,730.22 | 1,061.48 |
| | | *For Explosion Proof Motor, Add* | *1,291.08* | |

## 23 34 16 00-0168 In-Line Duct Fans *(23 34 16 00-0001)*

## 23 34 16 00-0169 Direct Drive In-Line Duct Fans *(23 34 16 00-0168)*

Note: Greenheck SQ.

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0170 | EA | Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan<br>Note: 115V. Includes disconnect switch. | 1,662.75 | 152.78 |
| 23 34 16 00-0171 | EA | 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan<br>Note: 115V. Includes disconnect switch. | 2,128.33 | 164.54 |
| 23 34 16 00-0172 | EA | 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan<br>Note: 115V. Includes disconnect switch. | 2,334.30 | 176.29 |

## 23 34 16 00-0173 Belt Drive In-Line Duct Fans *(23 34 16 00-0168)*

Note: Greenheck BSQ.

| | | | | |
|---|---|---|---|---|
| 23 34 16 00-0174 | EA | Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan<br>Note: 115/208-230/60/1. Includes disconnect switch. | 2,439.85 | 176.29 |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| 23 34 16 00-0175 | EA | 13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan<br>Note: 115/208-230/60/1. Includes disconnect switch. | 2,803.86 | 205.68 |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| 23 34 16 00-0176 | EA | 13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan<br>Note: 115/208-230/60/1. Includes disconnect switch. | 3,156.13 | 205.68 |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| 23 34 16 00-0177 | EA | 13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan<br>Note: 115/208-230/60/1. Includes disconnect switch. | 3,455.62 | 205.68 |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| 23 34 16 00-0178 | EA | 16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan<br>Note: 115/208-230/60/1. Includes disconnect switch. | 3,361.78 | 235.06 |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| 23 34 16 00-0179 | EA | 16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan<br>Note: 115/208-230/60/1. Includes disconnect switch. | 3,868.97 | 235.06 |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| 23 34 16 00-0180 | EA | 24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan<br>Note: 115/208-230/60/1. Includes disconnect switch. | 4,923.98 | 293.82 |
| | | *For 3 Phase Motor, Deduct* | *-50.00* | |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| 23 34 16 00-0181 | EA | 24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan<br>Note: 230/460/60/3. Includes disconnect switch. | 5,203.97 | 293.82 |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| 23 34 16 00-0182 | EA | 24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan<br>Note: Belt drive. 230/460/60/3. Includes disconnect switch. | 5,401.34 | 293.82 |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 16 00-0183 | EA | 30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan<br>Note: 230/460/60/3. Includes disconnect switch. | 6,245.33 | 352.58 |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| 23 34 16 00-0184 | EA | 30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan<br>Note: 230/460/60/3. Includes disconnect switch. | 6,480.90 | 352.58 |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| 23 34 16 00-0185 | EA | 30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan<br>Note: 230/460/60/3. Includes disconnect switch. | 6,770.39 | 352.58 |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| **23 34 16 00-0186** | | **Bathroom Exhaust Fan, Low Profile** *(23 34 16 00-0001)* | | |
| 23 34 16 00-0187 | EA | 35 To 89 CFM, Ceiling Mounted, Low Profile, Bathroom Exhaust Fan (Greenheck SP-B70) | 287.64 | 50.51 |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| 23 34 16 00-0188 | EA | 46 To 94 CFM, Ceiling Mounted, Low Profile, Bathroom Exhaust Fan (Greenheck SP-B80) | 287.64 | 50.51 |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| 23 34 16 00-0189 | EA | 50 To 133 CFM, Ceiling Mounted, Low Profile, Bathroom Exhaust Fan (Greenheck SP-B110) | 309.58 | 50.51 |
| | | *For Totally Enclosed Motor, Add* | *85.00* | |
| **23 34 16 00-0190** | | **Centrifugal Upblast Exhaust Fan** *(23 34 16 00-0001)* | | |
| 23 34 16 00-0191 | EA | 65 To 133 CFM, Direct Drive, 1/10 HP, Centrifugal Roof Exhaust Fan (Greenheck CUE-060-VG) | 1,494.72 | 258.21 |
| 23 34 16 00-0192 | EA | 143 To 250 CFM, Direct Drive, 1/10 HP, Centrifugal Roof Exhaust Fan (Greenheck CUE-070-VG) | 1,590.62 | 258.21 |
| 23 34 16 00-0193 | EA | 133 To 325 CFM, Direct Drive, 1/10 HP, Centrifugal Roof Exhaust Fan (Greenheck CUE-080-VG) | 1,642.45 | 267.96 |
| 23 34 16 00-0194 | EA | 204 To 549 CFM, Direct Drive, 1/10 HP, Centrifugal Roof Exhaust Fan (Greenheck CUE-090-VG) | 1,704.31 | 267.96 |
| **23 34 16 00-0195** | | **Centrifugal In-Line Fans** *(23 34 16 00-0001)* | | |
| 23 34 16 00-0196 | EA | 419 - 766 CFM, 115 V, Direct Drive In-Line Exhaust Fan (Greenheck CSP-A700-QD) | 928.73 | 114.59 |
| **23 34 16 00-0197** | | **In-Line Cabinet Fans** *(23 34 16 00-0001)* | | |
| 23 34 16 00-0198 | EA | 77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan | 523.94 | 102.83 |
| 23 34 16 00-0199 | EA | 91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan | 523.94 | 102.83 |
| 23 34 16 00-0200 | EA | 82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan | 595.79 | 108.71 |
| 23 34 16 00-0201 | EA | 281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan | 659.82 | 108.71 |
| 23 34 16 00-0202 | EA | 190 CFM, 115 Volt, Direct Drive Cabinet Fan | 834.71 | 108.71 |
| 23 34 16 00-0203 | EA | 217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan | 688.40 | 108.71 |
| 23 34 16 00-0204 | EA | 325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan | 788.90 | 108.71 |
| 23 34 16 00-0205 | EA | 250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan | 1,498.29 | 108.71 |
| 23 34 16 00-0206 | EA | 419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan | 928.73 | 114.59 |
| 23 34 16 00-0207 | EA | 334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan | 944.50 | 114.59 |
| 23 34 16 00-0208 | EA | 350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan | 1,559.32 | 114.59 |
| 23 34 16 00-0209 | EA | 527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan | 944.50 | 114.59 |
| 23 34 16 00-0210 | EA | 631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan | 1,274.56 | 114.59 |
| 23 34 16 00-0211 | EA | 752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan | 1,274.56 | 114.59 |
| 23 34 16 00-0212 | EA | 1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan | 1,274.56 | 114.59 |
| 23 34 16 00-0213 | EA | 999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan | 1,384.92 | 114.59 |
| **23 34 16 00-0214** | | **Propeller And Ceiling Fans** *(23 34 16)* | | |
| **23 34 16 00-0215** | | **Direct Drive, Sidewall Propeller Exhaust Fan** *(23 34 16 00-0214)*<br>Note: Greenheck SE1. | | |
| 23 34 16 00-0216 | EA | 1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan<br>Note: Includes motor side guard. | 733.89 | 125.75 |
| | | *For Backdraft Damper, Add* | *199.91* | |
| | | *For Wall Mount Collar, Add* | *287.00* | |
| 23 34 16 00-0217 | EA | 1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan<br>Note: Includes motor side guard. | 776.87 | 139.86 |
| | | *For Backdraft Damper, Add* | *214.45* | |
| | | *For Wall Mount Collar, Add* | *287.00* | |
| 23 34 16 00-0218 | EA | 1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan<br>Note: Includes motor side guard. | 860.22 | 155.13 |
| | | *For Backdraft Damper, Add* | *234.77* | |
| | | *For Wall Mount Collar, Add* | *294.51* | |
| 23 34 16 00-0219 | EA | 1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan | 1,261.73 | 171.59 |
| | | *For Backdraft Damper, Add* | *281.09* | |
| | | *For Wall Mount Collar, Add* | *299.91* | |
| | | *For Motor Side Guard, Add* | *248.25* | |
| 23 34 16 00-0220 | EA | 1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan | 1,057.40 | 190.39 |
| | | *For Backdraft Damper, Add* | *281.09* | |
| | | *For Wall Mount Collar, Add* | *307.42* | |
| | | *For Motor Side Guard, Add* | *264.21* | |
| 23 34 16 00-0221 | EA | 1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan | 1,187.51 | 211.55 |
| | | *For Backdraft Damper, Add* | *341.84* | |
| | | *For Wall Mount Collar, Add* | *314.92* | |
| | | *For Motor Side Guard, Add* | *280.17* | |
| 23 34 16 00-0222 | EA | 1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan | 1,352.60 | 235.06 |
| | | *For Backdraft Damper, Add* | *341.84* | |
| | | *For Wall Mount Collar, Add* | *320.33* | |
| | | *For Motor Side Guard, Add* | *302.45* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 34 16 00-0223** | | **Belt Drive Propeller Exhaust Fans** *(23 34 16 00-0214)* | | |
| | | Note: Wall shutter 1/8" static pressure, with bird screen. | | |
| 23 34 16 00-0224 | EA | 24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter | 2,570.62 | 336.13 |
| 23 34 16 00-0225 | EA | 30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter | 2,943.56 | 391.37 |
| 23 34 16 00-0226 | EA | 36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter | 3,337.09 | 470.11 |
| 23 34 16 00-0227 | EA | 42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter | 4,651.78 | 587.64 |
| 23 34 16 00-0228 | EA | 48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter | 5,542.91 | 783.90 |
| 23 34 16 00-0229 | EA | 54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter | 7,692.11 | 1,175.27 |
| 23 34 16 00-0230 | EA | 60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter | 9,225.16 | 1,506.69 |
| **23 34 16 00-0231** | | **Propeller Exhaust Fan Accessories** *(23 34 16 00-0214)* | | |
| 23 34 16 00-0232 | SF | Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening) | 131.87 | |
| 23 34 16 00-0233 | SF | Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening) | 304.14 | |
| **23 34 16 00-0234** | | **Reversible Ceiling Fans** *(23 34 16 00-0214)* | | |
| **23 34 16 00-0235** | | **4 Blade Ceiling Fans** *(23 34 16 00-0234)* | | |
| 23 34 16 00-0236 | EA | 42" 4-Blade Ceiling Fan, Three Speed | 600.84 | 62.50 |
| | | *For Brass Plated Motor, Add* | *20.25* | |
| | | *For Light Kit, Add* | *26.04* | |
| **23 34 16 00-0237** | | **5 Blade Ceiling Fans** *(23 34 16 00-0234)* | | |
| 23 34 16 00-0238 | EA | 42" 5-Blade Ceiling Fan, Three Speed | 657.84 | 154.67 |
| | | *For Brass Plated Motor, Add* | *20.25* | |
| | | *For Light Kit, Add* | *26.10* | |
| 23 34 16 00-0239 | EA | 52" 5-Blade Ceiling Fan, Three Speed | 751.38 | 154.67 |
| | | *For Brass Plated Motor, Add* | *20.25* | |
| | | *For Light Kit, Add* | *26.23* | |
| **23 34 16 00-0240** | | **3 Blade Weatherproof Ceiling Fans** *(23 34 16 00-0234)* | | |
| 23 34 16 00-0241 | EA | 3-Blade Ceiling Fan, Weatherproof, Three Speed | 618.28 | 58.18 |
| **23 34 16 00-0242** | | **Ceiling Fan Down Rod** *(23 34 16 00-0234)* | | |
| 23 34 16 00-0243 | EA | 1' Ceiling Fan Down Rod | 23.96 | |
| 23 34 16 00-0244 | EA | 1-1/2' Ceiling Fan Down Rod | 31.64 | |
| 23 34 16 00-0245 | EA | 2' Ceiling Fan Down Rod | 35.48 | |
| 23 34 16 00-0246 | EA | 3' Ceiling Fan Down Rod | 47.84 | |
| 23 34 16 00-0247 | EA | 4' Ceiling Fan Down Rod | 55.95 | |
| 23 34 16 00-0248 | EA | 5' Ceiling Fan Down Rod | 68.87 | |
| 23 34 16 00-0249 | EA | 6' Ceiling Fan Down Rod | 86.28 | |
| **23 34 16 00-0250** | | **Exhaust Fans** *(23 34 16)* | | |
| **23 34 16 00-0251** | | **Exhaust Fans** *(23 34 16 00-0250)* | | |
| | | Note: Excludes ducting. | | |
| **23 34 16 00-0252** | | **Light Duty Exhaust Fans** *(23 34 16 00-0251)* | | |
| **23 34 16 00-0253** | | **Light Duty Exhaust Fans** *(23 34 16 00-0252)* | | |
| 23 34 16 00-0254 | EA | 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670) | 156.10 | 50.51 |
| 23 34 16 00-0255 | EA | 70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671) | 165.31 | 50.51 |
| 23 34 16 00-0256 | EA | 180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505) | 275.77 | 50.51 |
| 23 34 16 00-0257 | EA | 350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504) | 349.64 | 50.51 |
| 23 34 16 00-0258 | EA | 160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503) | 312.14 | 50.51 |
| 23 34 16 00-0259 | EA | 270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502) | 417.03 | 50.51 |
| **23 34 16 00-0260** | | **Light Duty Exhaust Fans With Lights** *(23 34 16 00-0252)* | | |
| 23 34 16 00-0261 | EA | 50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678) | 205.32 | 50.51 |
| 23 34 16 00-0262 | EA | 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679) | 228.37 | 50.51 |
| 23 34 16 00-0263 | EA | 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680) | 431.11 | 50.51 |
| **23 34 16 00-0264** | | **Light Duty Exhaust Fans With Heaters** *(23 34 16 00-0252)* | | |
| 23 34 16 00-0265 | EA | 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162) | 210.31 | 50.51 |
| 23 34 16 00-0266 | EA | 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658) | 336.72 | 50.51 |
| **23 34 16 00-0267** | | **Light Duty Exhaust Fans With Heaters And Lights** *(23 34 16 00-0252)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 16 00-0268 | EA | 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655) | 358.63 | 50.51 |
| 23 34 16 00-0269 | EA | 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL) | 546.78 | 50.51 |
| 23 34 16 00-0270 | | **Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0251)* | | |
| 23 34 16 00-0271 | | **Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0270)* | | |
| | | Note: Includes enamel steel or aluminum grille. | | |
| 23 34 16 00-0272 | EA | 50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50) | 245.12 | 50.51 |
| 23 34 16 00-0273 | EA | 80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80) | 271.54 | 50.51 |
| 23 34 16 00-0274 | EA | 109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG) | 500.21 | 50.51 |
| 23 34 16 00-0275 | EA | 157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG) | 512.46 | 50.51 |
| 23 34 16 00-0276 | EA | 210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG) | 550.57 | 50.51 |
| 23 34 16 00-0277 | EA | 259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG) | 574.92 | 50.51 |
| 23 34 16 00-0278 | EA | 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG) | 584.35 | 50.51 |
| 23 34 16 00-0279 | EA | 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400) | 669.42 | 50.51 |
| 23 34 16 00-0280 | EA | 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500) | 763.25 | 50.51 |
| 23 34 16 00-0281 | EA | 701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700) | 816.69 | 50.51 |
| 23 34 16 00-0282 | EA | 901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900) | 972.82 | 50.51 |
| 23 34 16 00-0283 | EA | 1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500) | 1,250.94 | 50.51 |
| 23 34 16 00-0284 | | **Heavy-Duty/Continuous Operation Kitchen Exhaust Fans** *(23 34 16 00-0270)* | | |
| | | Note: Includes enamel steel or aluminum grille. | | |
| 23 34 16 00-0285 | EA | 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG) | 519.59 | 50.51 |
| 23 34 16 00-0286 | EA | 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K) | 756.23 | 50.51 |
| 23 34 16 00-0287 | EA | 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K) | 800.06 | 50.51 |
| 23 34 16 00-0288 | | **Heavy-Duty/Continuous Operation Exhaust Fans With Lights** *(23 34 16 00-0270)* | | |
| 23 34 16 00-0289 | EA | 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L) | 266.76 | 50.51 |
| 23 34 16 00-0290 | EA | 80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L) | 291.57 | 50.51 |
| 23 34 16 00-0291 | | **Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0270)* | | |
| 23 34 16 00-0292 | EA | 50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF) | 277.65 | 50.51 |
| 23 34 16 00-0293 | EA | 80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF) | 294.08 | 50.51 |
| 23 34 16 00-0294 | EA | 110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® 110RDF) | 302.01 | 50.51 |
| 23 34 16 00-0295 | | **Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans** *(23 34 16 00-0251)* | | |
| 23 34 16 00-0296 | EA | 900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900) | 1,343.19 | 50.51 |
| 23 34 16 00-0297 | EA | 1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050) | 1,343.19 | 50.51 |
| 23 34 16 00-0298 | EA | 1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410) | 1,343.19 | 50.51 |
| 23 34 16 00-0299 | EA | 1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550) | 1,474.41 | 50.51 |
| 23 34 16 00-0300 | | **Room-To-Room Exhaust Fans** *(23 34 16 00-0251)* | | |
| 23 34 16 00-0301 | EA | 90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512) | 199.11 | 50.51 |
| 23 34 16 00-0302 | EA | 180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511) | 333.28 | 50.51 |
| 23 34 16 00-0303 | EA | 380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510) | 382.17 | 50.51 |
| 23 34 16 00-0304 | | **Through-Wall Exhaust Fans** *(23 34 16 00-0251)* | | |
| 23 34 16 00-0305 | EA | 250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507) | 356.61 | 50.51 |
| 23 34 16 00-0306 | EA | 470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506) | 424.00 | 50.51 |
| 23 34 16 00-0307 | EA | 180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509) | 310.28 | 50.51 |
| 23 34 16 00-0308 | EA | 270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508) | 417.03 | 50.51 |
| 23 34 16 00-0309 | EA | 360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C) | 733.04 | 50.51 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 16 00-0310 | | Exhaust Fan Accessories *(23 34 16 00-0251)* | | |
| 23 34 16 00-0311 | | Exhaust Fan Controls *(23 34 16 00-0310)* | | |
| 23 34 16 00-0312 | EA | Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57) | 195.58 | 31.57 |
| 23 34 16 00-0313 | EA | 60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59) | 135.98 | 31.57 |
| 23 34 16 00-0314 | EA | 60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61) | 137.39 | 31.57 |
| 23 34 16 00-0315 | | Roof And Wall Caps For Exhaust Fans *(23 34 16 00-0310)* | | |
| 23 34 16 00-0316 | | Wall Caps For Exhaust Fans *(23 34 16 00-0315)* | | |
| 23 34 16 00-0317 | EA | Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613) | 311.71 | 63.81 |
| 23 34 16 00-0318 | EA | Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643) | 316.41 | 63.81 |
| 23 34 16 00-0319 | | Roof Caps For Exhaust Fans *(23 34 16 00-0315)* | | |
| | | Note: Includes flashing and built in bird screen. | | |
| 23 34 16 00-0320 | EA | Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611) | 263.29 | 63.81 |
| 23 34 16 00-0321 | EA | Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612) | 385.14 | 63.81 |
| 23 34 16 00-0322 | EA | CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636) | 169.62 | 63.81 |
| 23 34 16 00-0323 | EA | CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634) | 206.17 | 63.81 |
| 23 34 16 00-0324 | | Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan *(23 34 16 00-0251)* | | |
| | | Note: Includes storage and cleaning. | | |
| 23 34 16 00-0325 | EA | Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan | 88.14 | |
| **23 34 23** | | **HVAC Power Ventilators** *(23 34)* | | |
| 23 34 23 00-0001 | | Power Roof Ventilators *(23 34 23)* | | |
| 23 34 23 00-0002 | | Direct Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)* | | |
| | | Note: Greenheck G. | | |
| 23 34 23 00-0003 | EA | 1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster | 640.73 | 168.06 |
| | | Note: Three speed motor. | | |
| | | *For 12" Roof Curb, Add* | *223.10* | |
| | | *For Backdraft Damper, Add* | *159.56* | |
| | | *For Solid State Speed Control, Add* | *116.69* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0004 | EA | 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster | 700.83 | 190.39 |
| | | Note: Three speed motor. | | |
| | | *For 12" Roof Curb, Add* | *223.10* | |
| | | *For Backdraft Damper, Add* | *159.56* | |
| | | *For Solid State Speed Control, Add* | *116.69* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0005 | EA | 1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster | 998.40 | 222.13 |
| | | *For 12" Roof Curb, Add* | *229.43* | |
| | | *For Backdraft Damper, Add* | *171.22* | |
| | | *For Solid State Speed Control, Add* | *116.69* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0006 | EA | 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster | 1,029.48 | 250.33 |
| | | *For 12" Roof Curb, Add* | *229.43* | |
| | | *For Backdraft Damper, Add* | *171.22* | |
| | | *For Solid State Speed Control, Add* | *116.69* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0007 | EA | 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster | 1,320.37 | 276.19 |
| | | *For Solid State Speed Control, Add* | *116.69* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0008 | EA | 1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster | 1,497.56 | 293.82 |
| | | *For 12" Roof Curb, Add* | *239.99* | |
| | | *For Backdraft Damper, Add* | *194.43* | |
| | | *For Solid State Speed Control, Add* | *182.15* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0009 | | Belt Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)* | | |
| | | Note: Greenheck GB. | | |
| 23 34 23 00-0010 | EA | 1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster | 1,480.89 | 299.21 |
| | | *For 12" Roof Curb, Add* | *229.43* | |
| | | *For Backdraft Damper, Add* | *171.22* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0011 | EA | 1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster | 1,614.64 | 317.64 |
| | | *For 12" Roof Curb, Add* | *239.99* | |
| | | *For Backdraft Damper, Add* | *194.43* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0012 | EA | 1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster | 2,184.15 | 379.62 |
| | | *For 12" Roof Curb, Add* | *239.99* | |
| | | *For Backdraft Damper, Add* | *194.43* | |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0013 | EA | 3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster | 2,785.42 | 470.11 |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0014 | EA | 1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster | 3,672.87 | 587.64 |
| | | *For Damper Motor, Add* | *280.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 23 00-0015 | EA | 1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster | 5,947.79 | 734.54 |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0016 | EA | 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster | 5,998.47 | 734.54 |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0017 | EA | 3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster | 6,545.38 | 734.54 |
| | | *For Damper Motor, Add* | *280.17* | |
| 23 34 23 00-0018 | EA | 5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster | 5,297.24 | 734.54 |
| | | *For Damper Motor, Add* | *280.17* | |
| **23 34 23 00-0019** | | **Propeller Exhaust Fans, Roof Mounted Upblast** *(23 34 23 00-0001)* | | |
| | | Note: Includes back draft damper and bird screen and curb. | | |
| 23 34 23 00-0020 | EA | 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure | 8,752.71 | 903.78 |
| 23 34 23 00-0021 | EA | 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure | 14,397.43 | 1,174.92 |
| **23 34 23 00-0022** | | **Belt Drive Supply Fans** *(23 34 23 00-0001)* | | |
| 23 34 23 00-0023 | EA | 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted | 3,438.69 | 469.29 |
| 23 34 23 00-0024 | EA | 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted | 4,655.67 | 587.52 |
| **23 34 23 00-0025** | | **Fan Thermostat** *(23 34 23 00-0001)* | | |
| 23 34 23 00-0026 | EA | 50 To 120 Degree Line Voltage Fan Thermostat | 150.99 | |
| **23 34 23 00-0027** | | **Solar Attic Fan** *(23 34 23 00-0001)* | | |
| | | Note: Excludes ductwork (if necessary), roof cutting or patching. | | |
| 23 34 23 00-0028 | EA | Up To 1,400 CFM Self-Flashing Solar Attic Fan, 20 Watt Solar Panel (Attic Breeze AB-2022A-BRN) | 1,605.36 | 250.33 |
| **23 34 23 00-0029** | | **Power Wall Ventilators** *(23 34 23)* | | |
| **23 34 23 00-0030** | | **Centrifugal Sidewall Exhausters** *(23 34 23 00-0029)* | | |
| **23 34 23 00-0031** | | **Direct Drive, Aluminum, Centrifugal Sidewall Exhauster** *(23 34 23 00-0030)* | | |
| | | Note: Greenheck CW. | | |
| 23 34 23 00-0032 | EA | 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster | 843.83 | 189.21 |
| | | *For Solid State Speed Control, Add* | *182.15* | |
| | | *For Backdraft Damper, Add* | *222.92* | |
| | | *For Damper Motor, Add* | *483.38* | |
| | | *For Interior Wall Grill, Add* | *138.45* | |
| 23 34 23 00-0033 | EA | 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster | 968.75 | 222.13 |
| | | *For Solid State Speed Control, Add* | *182.15* | |
| | | *For Backdraft Damper, Add* | *246.13* | |
| | | *For Damper Motor, Add* | *483.38* | |
| | | *For Interior Wall Grill, Add* | *164.97* | |
| 23 34 23 00-0034 | EA | 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster | 1,440.13 | 250.33 |
| | | *For Solid State Speed Control, Add* | *182.15* | |
| | | *For Backdraft Damper, Add* | *278.00* | |
| | | *For Damper Motor, Add* | *483.38* | |
| | | *For Interior Wall Grill, Add* | *191.48* | |
| **23 34 23 00-0035** | | **Belt Drive, Aluminum, Centrifugal Sidewall Exhausters** *(23 34 23 00-0030)* | | |
| | | Note: Greenheck CWB. | | |
| 23 34 23 00-0036 | EA | 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster | 2,594.99 | 141.40 |
| | | *For Solid State Speed Control, Add* | *182.15* | |
| | | *For Backdraft Damper, Add* | *256.68* | |
| | | *For Damper Motor, Add* | *483.38* | |
| | | *For Interior Wall Grill, Add* | *291.89* | |
| 23 34 23 00-0037 | EA | 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster | 2,740.47 | 159.23 |
| | | *For Solid State Speed Control, Add* | *182.15* | |
| | | *For Backdraft Damper, Add* | *256.68* | |
| | | *For Damper Motor, Add* | *483.38* | |
| | | *For Interior Wall Grill, Add* | *291.89* | |
| 23 34 23 00-0038 | EA | 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster | 3,367.02 | 182.15 |
| | | *For Solid State Speed Control, Add* | *182.15* | |
| | | *For Backdraft Damper, Add* | *322.47* | |
| | | *For Damper Motor, Add* | *483.38* | |
| | | *For Interior Wall Grill, Add* | *339.52* | |

## 23 34 33 Air Curtains *(23 34)*

**23 34 33 00-0001** Unheated Air Curtains For Entrances *(23 34 33)*

**23 34 33 00-0002** Unheated Air Curtains, Standard Velocity *(23 34 33 00-0001)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 33 00-0003 | EA | Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated | 2,495.10 | 861.47 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add* | *566.42* | |
| | | *For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø* | *420.77* | |
| | | *For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add* | *647.33* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0004 | EA | Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated | 2,530.08 | 861.47 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add* | *566.42* | |
| | | *For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø* | *420.77* | |
| | | *For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add* | *647.33* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0005 | EA | Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated | 2,567.97 | 861.47 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add* | *566.42* | |
| | | *For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø* | *420.77* | |
| | | *For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add* | *647.33* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0006 | EA | Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated | 3,194.65 | 861.47 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add* | *566.42* | |
| | | *For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø* | *420.77* | |
| | | *For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add* | *647.33* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0007 | EA | Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated | 3,624.88 | 1,034.24 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add* | *566.42* | |
| | | *For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø* | *420.77* | |
| | | *For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add* | *647.33* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0008 | EA | Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated | 3,843.49 | 1,034.24 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add* | *566.42* | |
| | | *For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø* | *420.77* | |
| | | *For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add* | *647.33* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0009 | EA | Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated | 4,259.46 | 1,192.90 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add* | *566.42* | |
| | | *For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø* | *420.77* | |
| | | *For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add* | *647.33* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0010 | EA | Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated | 5,132.44 | 1,192.90 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add* | *566.42* | |
| | | *For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø* | *420.77* | |
| | | *For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add* | *647.33* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 33 00-0011 | EA | Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated | 5,243.20 | 1,192.90 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add* | *566.42* | |
| | | *For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø* | *420.77* | |
| | | *For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add* | *647.33* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0012 | EA | Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated | 5,537.60 | 1,192.90 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add* | *566.42* | |
| | | *For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø* | *420.77* | |
| | | *For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add* | *647.33* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |

## 23 34 33 00-0013 Unheated Air Curtains, High Velocity *(23 34 33 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 34 33 00-0014 | EA | High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated | 3,075.14 | 861.47 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Industrial Floor-Mounted Magnetic Reed Switch Only, Add* | *339.72* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0015 | EA | High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated | 3,120.32 | 861.47 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Industrial Floor-Mounted Magnetic Reed Switch Only, Add* | *339.72* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0016 | EA | High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated | 3,139.27 | 861.47 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Industrial Floor-Mounted Magnetic Reed Switch Only, Add* | *339.72* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0017 | EA | High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated | 3,175.70 | 861.47 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Industrial Floor-Mounted Magnetic Reed Switch Only, Add* | *339.72* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0018 | EA | High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated | 4,954.03 | 1,034.24 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Industrial Floor-Mounted Magnetic Reed Switch Only, Add* | *339.72* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0019 | EA | High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated | 5,178.47 | 1,034.24 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Industrial Floor-Mounted Magnetic Reed Switch Only, Add* | *339.72* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0020 | EA | High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated | 5,511.36 | 1,192.90 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Industrial Floor-Mounted Magnetic Reed Switch Only, Add* | *339.72* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0021 | EA | High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated | 6,288.16 | 1,192.90 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Industrial Floor-Mounted Magnetic Reed Switch Only, Add* | *339.72* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 33 00-0022 | EA | High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated | 6,369.77 | 1,192.90 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Industrial Floor-Mounted Magnetic Reed Switch Only, Add* | *339.72* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0023 | EA | High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated | 6,687.49 | 1,192.90 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Industrial Floor-Mounted Magnetic Reed Switch Only, Add* | *339.72* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0024 | | **Service Window Unheated Air Curtains** *(23 34 33 00-0001)* | | |
| | | Note: Normal window sizes. | | |
| 23 34 33 00-0025 | EA | Air Curtain For 2.5' x 5' Service Window, Unheated | 2,256.04 | 679.31 |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0026 | | **Heated Air Curtains For Entrances** *(23 34 33)* | | |
| | | Note: Includes housing, mounting brackets and manual controls. | | |
| 23 34 33 00-0027 | EA | 60" Heated Air Curtain With 1- 300 MBH Heater | 4,202.12 | 758.64 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0028 | EA | 60" Heated Air Curtain With 1- 400 MBH Heater | 4,560.05 | 758.64 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0029 | EA | 72" Heated Air Curtain With 1- 350 MBH Heater | 5,041.79 | 910.25 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0030 | EA | 72" Heated Air Curtain With 2- 250 MBH Heaters | 5,471.31 | 910.25 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0031 | EA | 96" Heated Air Curtain With 1- 400 MBH Heater | 6,721.39 | 1,213.47 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0032 | EA | 96" Heated Air Curtain With 2- 350 MBH Heaters | 7,294.08 | 1,213.47 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0033 | EA | 117" Heated Air Curtain With 2- 300 MBH Heaters | 8,190.63 | 1,478.49 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0034 | EA | 117" Heated Air Curtain With 2- 400 MBH Heaters | 8,888.60 | 1,478.49 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0035 | EA | 147" Heated Air Curtain With 2- 350 MBH Heaters | 10,291.46 | 1,857.51 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 34 33 00-0036 | EA | 147" Heated Air Curtain With 3- 350 MBH Heaters | 12,027.42 | 1,857.51 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0037 | EA | 168" Heated Air Curtain With 2- 400 MBH Heaters | 11,762.43 | 2,123.13 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0038 | EA | 168" Heated Air Curtain With 3- 400 MBH Heaters | 13,745.96 | 2,123.13 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0039 | EA | 192" Heated Air Curtain With 2- 400 MBH Heaters | 13,438.78 | 2,426.34 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |
| 23 34 33 00-0040 | EA | 192" Heated Air Curtain With 4- 350 MBH Heaters | 15,705.67 | 2,426.34 |
| | | *For Door Limit Switch, Combination Roller And Plunger, Add* | *208.07* | |
| | | *For Flat Side Extension Plates, Add* | *169.86* | |
| | | *For Clearance Adjustable-Angle Mounting Bracket, Add* | *339.72* | |
| | | *For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *407.66* | |
| | | *For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add* | *430.31* | |

### 23 34 39 High-Volume, Low-Speed Propeller Fans *(23 34)*

Note: (Air Destratification Fans)

#### 23 34 39 00-0001 Variable Speed Ceiling Fans (Big Ass Fans® Basic 6®) *(23 34 39)*

| | | | | |
|---|---|---|---|---|
| 23 34 39 00-0002 | EA | 8' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 8') | 9,777.17 | 940.22 |
| 23 34 39 00-0003 | EA | 10' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 10') | 9,986.52 | 998.98 |
| 23 34 39 00-0004 | EA | 12' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 12') | 10,195.87 | 1,057.74 |
| 23 34 39 00-0005 | EA | 14' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 14') | 10,389.91 | 1,116.51 |
| 23 34 39 00-0006 | EA | 16' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 16') | 10,599.27 | 1,175.27 |
| 23 34 39 00-0007 | EA | 18' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 18') | 10,808.61 | 1,234.03 |
| 23 34 39 00-0008 | EA | 20' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 20') | 11,017.96 | 1,292.80 |
| 23 34 39 00-0009 | EA | 24' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 24') | 11,212.01 | 1,351.56 |

#### 23 34 39 00-0010 Variable Speed Ceiling Fans (Big Ass Fans® Powerfoil® 8) *(23 34 39)*

| | | | | |
|---|---|---|---|---|
| 23 34 39 00-0011 | EA | 8' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-08) | 11,384.06 | 940.22 |
| 23 34 39 00-0012 | EA | 10' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-10) | 11,677.58 | 998.98 |
| 23 34 39 00-0013 | EA | 12' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-12) | 11,971.11 | 1,057.74 |
| 23 34 39 00-0014 | EA | 14' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-14) | 12,264.62 | 1,116.51 |
| 23 34 39 00-0015 | EA | 16' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-16) | 12,565.80 | 1,175.27 |
| 23 34 39 00-0016 | EA | 18' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-18) | 12,859.32 | 1,234.03 |
| 23 34 39 00-0017 | EA | 20' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-20) | 13,152.83 | 1,292.80 |
| 23 34 39 00-0018 | EA | 24' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-24) | 13,431.06 | 1,351.56 |

## 23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0075 for spiral duct/piping.

### 23 35 13 Dust Collection Systems *(23 35)*

#### 23 35 13 13 Sawdust Collection Systems *(23 35 13)*

#### 23 35 13 13-0001 Dust Collector System *(23 35 13 13)*

| | | | | |
|---|---|---|---|---|
| 23 35 13 13-0002 | EA | 1.5 HP Dust Collector Central Vacuum Unit<br>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin. | 4,673.91 | 1,019.06 |
| 23 35 13 13-0003 | EA | 2 HP Dust Collector Central Vacuum Unit<br>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin. | 5,238.14 | 1,210.14 |
| 23 35 13 13-0004 | EA | 2-1/2 HP Dust Collector Central Vacuum Unit<br>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin. | 6,294.83 | 1,401.21 |
| 23 35 13 13-0005 | EA | 3 HP Dust Collector Central Vacuum Unit<br>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin. | 7,178.37 | 1,655.98 |
| 23 35 13 13-0006 | EA | 5 HP Dust Collector Central Vacuum Unit<br>Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin. | 15,133.71 | 1,869.13 |
| 23 35 13 13-0007 | EA | 7-1/2 HP Dust Collector Central Vacuum Unit<br>Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin. | 18,363.89 | 2,180.65 |
| 23 35 13 13-0008 | EA | 10 HP Dust Collector Central Vacuum Unit<br>Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin. | 21,035.39 | 2,492.17 |
| 23 35 13 13-0009 | EA | 15 HP Dust Collector Central Vacuum Unit<br>Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin. | 23,650.93 | 2,865.99 |
| 23 35 13 13-0010 | EA | 20 HP Dust Collector Central Vacuum Unit<br>Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin. | 26,389.56 | 3,239.82 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 35 13 13-0011 | | **Vacuum Tubing And Accessories** *(23 35 13 13)* | | |
| 23 35 13 13-0012 | | **Vacuum Tubing** *(23 35 13 13-0011)* | | |
| 23 35 13 13-0013 | | **Flexible Hose** *(23 35 13 13-0012)* | | |
| 23 35 13 13-0014 | LF | 2" Flexible Hose | 13.24 | 2.11 |
| 23 35 13 13-0015 | LF | 3" Flexible Hose | 15.85 | 2.35 |
| 23 35 13 13-0016 | LF | 4" Flexible Hose | 17.20 | 2.59 |
| 23 35 13 13-0017 | | **Galvanized Vacuum Tubing** *(23 35 13 13-0012)* | | |
| 23 35 13 13-0018 | LF | 2-1/8" Outside Diameter Vacuum Tubing, Galvanized | 11.05 | 2.11 |
| 23 35 13 13-0019 | LF | 2-1/2" Outside Diameter Vacuum Tubing, Galvanized | 12.37 | 2.24 |
| 23 35 13 13-0020 | LF | 3" Outside Diameter Vacuum Tubing, Galvanized | 14.70 | 2.35 |
| 23 35 13 13-0021 | LF | 3-1/2" Outside Diameter Vacuum Tubing, Galvanized | 19.13 | 2.47 |
| 23 35 13 13-0022 | LF | 4" Outside Diameter Vacuum Tubing, Galvanized | 19.66 | 2.59 |
| 23 35 13 13-0023 | LF | 5" Outside Diameter Vacuum Tubing, Galvanized | 32.51 | 2.94 |
| 23 35 13 13-0024 | LF | 6" Outside Diameter Vacuum Tubing, Galvanized | 36.64 | 3.40 |
| 23 35 13 13-0025 | LF | 8" Outside Diameter Vacuum Tubing, Galvanized | 49.56 | 4.70 |
| 23 35 13 13-0026 | LF | 10" Outside Diameter Vacuum Tubing, Galvanized | 58.07 | 5.88 |
| 23 35 13 13-0027 | LF | 12" Outside Diameter Vacuum Tubing, Galvanized | 144.47 | 7.75 |
| 23 35 13 13-0028 | | **Vacuum Fittings, Galvanized** *(23 35 13 13-0011)* | | |
| 23 35 13 13-0029 | | **90 Degree Elbow** *(23 35 13 13-0028)* | | |
| 23 35 13 13-0030 | EA | 2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized | 55.58 | 13.51 |
| 23 35 13 13-0031 | EA | 2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized | 68.66 | 14.46 |
| 23 35 13 13-0032 | EA | 3" 90 Degree Elbow, Vacuum Tubing, Galvanized | 85.47 | 15.75 |
| 23 35 13 13-0033 | EA | 3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized | 100.76 | 17.04 |
| 23 35 13 13-0034 | EA | 4" 90 Degree Elbow, Vacuum Tubing, Galvanized | 119.96 | 18.81 |
| 23 35 13 13-0035 | EA | 5" 90 Degree Elbow, Vacuum Tubing, Galvanized | 197.73 | 20.92 |
| 23 35 13 13-0036 | EA | 6" 90 Degree Elbow, Vacuum Tubing, Galvanized | 262.23 | 23.50 |
| 23 35 13 13-0037 | EA | 8" 90 Degree Elbow, Vacuum Tubing, Galvanized | 470.06 | 31.38 |
| 23 35 13 13-0038 | | **45 Degree Elbow** *(23 35 13 13-0028)* | | |
| 23 35 13 13-0039 | EA | 2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized | 52.11 | 13.51 |
| 23 35 13 13-0040 | EA | 2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized | 65.80 | 14.46 |
| 23 35 13 13-0041 | EA | 3" 45 Degree Elbow, Vacuum Tubing, Galvanized | 75.87 | 15.75 |
| 23 35 13 13-0042 | EA | 3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized | 89.94 | 17.04 |
| 23 35 13 13-0043 | EA | 4" 45 Degree Elbow, Vacuum Tubing, Galvanized | 109.96 | 18.81 |
| 23 35 13 13-0044 | EA | 5" 45 Degree Elbow, Vacuum Tubing, Galvanized | 163.03 | 20.92 |
| 23 35 13 13-0045 | EA | 6" 45 Degree Elbow, Vacuum Tubing, Galvanized | 211.20 | 23.50 |
| 23 35 13 13-0046 | EA | 8" 45 Degree Elbow, Vacuum Tubing, Galvanized | 384.32 | 31.38 |
| 23 35 13 13-0047 | | **Wye** *(23 35 13 13-0028)* | | |
| 23 35 13 13-0048 | EA | 2-1/8" Wye, Vacuum Tubing, Galvanized | 100.72 | 22.33 |
| 23 35 13 13-0049 | EA | 2-1/2" Wye, Vacuum Tubing, Galvanized | 120.76 | 24.09 |
| 23 35 13 13-0050 | EA | 3" Wye, Vacuum Tubing, Galvanized | 147.08 | 25.86 |
| 23 35 13 13-0051 | EA | 3-1/2" Wye, Vacuum Tubing, Galvanized | 178.48 | 28.80 |
| 23 35 13 13-0052 | EA | 4" Wye, Vacuum Tubing, Galvanized | 237.31 | 31.14 |
| 23 35 13 13-0053 | EA | 5" Wye, Vacuum Tubing, Galvanized | 399.61 | 34.67 |
| 23 35 13 13-0054 | EA | 6" Wye, Vacuum Tubing, Galvanized | 528.95 | 39.37 |
| 23 35 13 13-0055 | EA | 8" Wye, Vacuum Tubing, Galvanized | 1,042.43 | 42.89 |
| 23 35 13 13-0056 | EA | 10" Wye, Vacuum Tubing, Galvanized | 1,442.74 | 47.01 |
| 23 35 13 13-0057 | EA | 12" Wye, Vacuum Tubing, Galvanized | 1,822.11 | 52.65 |
| 23 35 13 13-0058 | | **Reducer** *(23 35 13 13-0028)* | | |
| 23 35 13 13-0059 | EA | 3" Reducer, Vacuum Tubing, Galvanized | 57.49 | 15.75 |
| 23 35 13 13-0060 | EA | 4" Reducer, Vacuum Tubing, Galvanized | 63.91 | 17.04 |
| 23 35 13 13-0061 | EA | 5" Reducer, Vacuum Tubing, Galvanized | 80.53 | 18.81 |
| 23 35 13 13-0062 | EA | 6" Reducer, Vacuum Tubing, Galvanized | 86.91 | 20.92 |
| 23 35 13 13-0063 | EA | 8" Reducer, Vacuum Tubing, Galvanized | 101.62 | 23.50 |
| 23 35 13 13-0064 | | **Air Gate Valve, Galvanized** *(23 35 13 13-0011)* | | |
| 23 35 13 13-0065 | EA | 2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized | 392.64 | 31.38 |
| 23 35 13 13-0066 | EA | 2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized | 411.35 | 33.50 |
| 23 35 13 13-0067 | EA | 3" Air Gate Valve, Vacuum Tubing, Galvanized | 472.42 | 36.08 |
| 23 35 13 13-0068 | EA | 3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized | 538.02 | 38.55 |
| 23 35 13 13-0069 | EA | 4" Air Gate Valve, Vacuum Tubing, Galvanized | 606.38 | 40.90 |
| 23 35 13 13-0070 | EA | 5" Air Gate Valve, Vacuum Tubing, Galvanized | 715.94 | 46.66 |
| 23 35 13 13-0071 | EA | 6" Air Gate Valve, Vacuum Tubing, Galvanized | 824.48 | 52.30 |

## 23 35 16 Engine Exhaust Systems *(23 35)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 35 16 16** | | **Mechanical Engine Exhaust Systems** *(23 35 16)* | | |
| 23 35 16 16-0001 | | Overhead Tailpipe Exhaust System *(23 35 16 16)* | | |
| 23 35 16 16-0002 | | Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0001)* | | |
| 23 35 16 16-0003 | | Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0002)* | | |
| 23 35 16 16-0004 | EA | 495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System | 3,852.66 | 250.33 |
| 23 35 16 16-0005 | EA | 1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System | 4,434.62 | 511.25 |
| 23 35 16 16-0006 | EA | 1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System | 6,182.28 | 619.37 |
| 23 35 16 16-0007 | | Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0002)* | | |
| 23 35 16 16-0008 | EA | 1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System | 4,310.15 | 511.25 |
| 23 35 16 16-0009 | EA | 2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System | 4,583.44 | 619.37 |
| 23 35 16 16-0010 | EA | 2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System | 5,460.40 | 980.17 |
| 23 35 16 16-0011 | EA | 4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System | 6,675.36 | 1,264.59 |
| 23 35 16 16-0012 | EA | 7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System | 8,445.97 | 1,506.69 |
| 23 35 16 16-0013 | | Spiral Exhaust Duct Accessories *(23 35 16 16-0001)* | | |
| 23 35 16 16-0014 | | Flex Hose x Length *(23 35 16 16-0013)* | | |
| | | Note: Includes duct coupler, damper and tailpipe adapter. | | |
| 23 35 16 16-0015 | EA | 3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 186.05 | 62.29 |
| 23 35 16 16-0016 | EA | 3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 157.59 | 62.29 |
| 23 35 16 16-0017 | EA | 4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 284.87 | 98.73 |
| 23 35 16 16-0018 | EA | 4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 237.31 | 98.73 |
| 23 35 16 16-0019 | EA | 5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 401.47 | 156.31 |
| 23 35 16 16-0020 | EA | 5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 384.45 | 156.31 |
| 23 35 16 16-0021 | EA | 6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 612.04 | 247.99 |
| 23 35 16 16-0022 | EA | 6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 576.23 | 247.99 |
| 23 35 16 16-0023 | | Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter *(23 35 16 16-0013)* | | |
| 23 35 16 16-0024 | EA | 4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 208.75 | 62.29 |
| 23 35 16 16-0025 | EA | 5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 301.45 | 98.73 |
| 23 35 16 16-0026 | EA | 4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 175.96 | 62.29 |
| 23 35 16 16-0027 | EA | 5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 252.81 | 98.73 |
| 23 35 16 16-0028 | EA | 6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter | 1,706.19 | 83.91 |
| 23 35 16 16-0029 | EA | 8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter | 1,479.16 | 153.96 |
| 23 35 16 16-0030 | EA | 10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter | 1,633.30 | 153.96 |
| 23 35 16 16-0031 | LF | 8" Heat-Resistant Fabric Flex Hose (650 Degree F.) | 78.13 | 11.99 |
| 23 35 16 16-0032 | LF | 10" Heat-Resistant Fabric Flex Hose (650 Degree F.) | 87.59 | 11.99 |
| 23 35 16 16-0033 | | Flexible Hose *(23 35 16 16-0013)* | | |
| 23 35 16 16-0034 | LF | 3" Stainless Steel Flexible Tubing | 29.72 | 2.94 |
| 23 35 16 16-0035 | LF | 4" Stainless Steel Flexible Tubing | 37.52 | 3.29 |
| 23 35 16 16-0036 | LF | 5" Stainless Steel Flexible Tubing | 44.32 | 3.40 |
| 23 35 16 16-0037 | LF | 6" Stainless Steel Flexible Tubing | 52.06 | 3.64 |
| 23 35 16 16-0038 | LF | 3" Galvanized Flexible Tubing | 25.20 | 2.94 |
| 23 35 16 16-0039 | LF | 4" Galvanized Flexible Tubing | 29.61 | 3.29 |
| 23 35 16 16-0040 | LF | 5" Galvanized Flexible Tubing | 34.01 | 3.40 |
| 23 35 16 16-0041 | LF | 6" Galvanized Flexible Tubing | 37.98 | 3.64 |
| 23 35 16 16-0042 | | Accessories *(23 35 16 16-0001)* | | |
| 23 35 16 16-0043 | EA | 3" Tail Pipe Adapter | 64.68 | 8.81 |
| 23 35 16 16-0044 | EA | 4" Tail Pipe Adapter | 66.56 | 8.81 |
| 23 35 16 16-0045 | EA | 5" Tail Pipe Adapter | 70.79 | 9.99 |
| 23 35 16 16-0046 | EA | 3" Bullnose (Guide) | 35.80 | 5.88 |
| 23 35 16 16-0047 | EA | 4" Bullnose (Guide) | 38.02 | 6.46 |
| 23 35 16 16-0048 | EA | 5" Bullnose (Guide) | 40.56 | 7.05 |
| 23 35 16 16-0049 | EA | Flex-Hose Winch And Associated Hardware | 259.90 | 66.64 |
| 23 35 16 16-0050 | LF | Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope | 0.16 | |
| **23 35 19** | | **Fume Exhaust Systems** *(23 35)* | | |
| 23 35 19 00-0001 | EA | Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle | 2,687.60 | 469.75 |
| 23 35 19 00-0002 | EA | Hose Extension Kit 5' | 432.54 | 104.36 |
| **23 36** | | **Air Terminal Units** *(23 30)* | | |
| **23 36 13** | | **Constant-Air-Volume Units** *(23 36)* | | |
| 23 36 13 00-0001 | | Vertical Units, With Electric Heating Coils *(23 36 13)* | | |
| 23 36 13 00-0002 | EA | 60 CFM Vertical Induction Unit, With Electric Heating Coils | 1,843.87 | 152.23 |
| 23 36 13 00-0003 | EA | 90 CFM Vertical Induction Unit, With Electric Heating Coils | 2,222.61 | 163.94 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 36 13 00-0004 | EA | 120 CFM Vertical Induction Unit, With Electric Heating Coils | 2,372.40 | 169.80 |
| 23 36 13 00-0005 | EA | 150 CFM Vertical Induction Unit, With Electric Heating Coils | 2,533.92 | 181.51 |
| 23 36 13 00-0006 | EA | 175 CFM Vertical Induction Unit, With Electric Heating Coils | 2,862.39 | 187.36 |
| 23 36 13 00-0007 | | Horizontal Units, With Electric Heating Coils *(23 36 13)* | | |
| 23 36 13 00-0008 | EA | 60 CFM Horizontal Induction Unit, With Electric Heating Coils | 1,559.75 | 152.23 |
| 23 36 13 00-0009 | EA | 90 CFM Horizontal Induction Unit, With Electric Heating Coils | 1,867.30 | 163.94 |
| 23 36 13 00-0010 | EA | 120 CFM Horizontal Induction Unit, With Electric Heating Coils | 2,233.37 | 172.73 |
| 23 36 13 00-0011 | | Duct Boxes, Constant Volume Control *(23 36 13)* | | |
| 23 36 13 00-0012 | | Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)* | | |
| 23 36 13 00-0013 | EA | 4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control | 1,487.26 | 48.40 |
| | | *For Boxes With Motor, Add* | *259.24* | |
| 23 36 13 00-0014 | EA | 6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control | 1,646.30 | 52.23 |
| | | *For Boxes With Motor, Add* | *287.57* | |
| 23 36 13 00-0015 | EA | 7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control | 1,709.64 | 57.32 |
| | | *For Boxes With Motor, Add* | *296.07* | |
| 23 36 13 00-0016 | EA | 9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control | 1,740.43 | 59.87 |
| | | *For Boxes With Motor, Add* | *300.32* | |
| 23 36 13 00-0017 | EA | 12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control | 1,765.14 | 66.24 |
| | | *For Boxes With Motor, Add* | *300.32* | |
| 23 36 13 00-0018 | EA | 14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control | 2,018.95 | 73.88 |
| | | *For Boxes With Motor, Add* | *344.23* | |
| 23 36 13 00-0019 | EA | 16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control | 2,117.21 | 82.80 |
| | | *For Boxes With Motor, Add* | *356.98* | |
| 23 36 13 00-0020 | EA | 20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control | 2,244.61 | 99.36 |
| | | *For Boxes With Motor, Add* | *369.86* | |
| 23 36 13 00-0021 | EA | 24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control | 2,370.99 | 114.65 |
| | | *For Boxes With Motor, Add* | *382.48* | |
| 23 36 13 00-0022 | | Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)* | | |
| 23 36 13 00-0023 | EA | 4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control | 2,097.03 | 48.40 |
| | | *For Boxes With Motor, Add* | *381.19* | |
| 23 36 13 00-0024 | EA | 6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control | 2,243.08 | 52.23 |
| | | *For Boxes With Motor, Add* | *406.93* | |
| 23 36 13 00-0025 | EA | 7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control | 2,340.32 | 57.32 |
| | | *For Boxes With Motor, Add* | *422.21* | |
| 23 36 13 00-0026 | EA | 9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control | 2,438.33 | 59.87 |
| | | *For Boxes With Motor, Add* | *439.90* | |
| 23 36 13 00-0027 | EA | 12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control | 2,463.04 | 66.24 |
| | | *For Boxes With Motor, Add* | *439.90* | |
| 23 36 13 00-0028 | EA | 14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control | 2,831.02 | 75.16 |
| | | *For Boxes With Motor, Add* | *506.65* | |
| 23 36 13 00-0029 | EA | 16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control | 3,094.55 | 82.80 |
| | | *For Boxes With Motor, Add* | *552.49* | |
| 23 36 13 00-0030 | EA | 20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control | 3,330.66 | 99.36 |
| | | *For Boxes With Motor, Add* | *587.07* | |
| 23 36 13 00-0031 | EA | 24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control | 3,474.34 | 114.65 |
| | | *For Boxes With Motor, Add* | *603.15* | |
| **23 36 16** | | **Variable-Air-Volume Units** *(23 36)* | | |
| 23 36 16 00-0001 | | Variable Volume Terminal Unit *(23 36 16)* | | |
| | | Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat. | | |
| 23 36 16 00-0002 | | Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)* | | |
| | | Note: Enclosure only. For mounting DDC controls. | | |
| 23 36 16 00-0003 | EA | 6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only | 637.88 | 58.60 |
| | | Note: For mounting DDC controls | | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0004 | EA | 8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only | 713.52 | 66.24 |
| | | Note: For mounting DDC controls | | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0005 | EA | 10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only | 794.01 | 73.88 |
| | | Note: For mounting DDC controls | | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0006 | EA | 12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only | 846.49 | 82.80 |
| | | Note: For mounting DDC controls | | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0007 | EA | 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only | 1,168.79 | 178.21 |
| | | Note: For mounting DDC controls | | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0008 | EA | 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only | 1,403.34 | 211.46 |
| | | Note: For mounting DDC controls | | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0009 | | Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)* | | |
| | | Note: With pneumatic controls. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 36 16 00-0010 | EA | 6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller | 1,350.30 | 58.60 |
| | | *For Fan Powered Variable Air Volume Box, Add* | *1,439.34* | |
| | | *For Hot Water Coils, Add* | *453.67* | |
| | | *For Pressure Independent Actuator, Add* | *67.57* | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0011 | EA | 8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller | 1,459.37 | 66.24 |
| | | *For Fan Powered Variable Air Volume Box, Add* | *1,541.42* | |
| | | *For Hot Water Coils, Add* | *484.95* | |
| | | *For Pressure Independent Actuator, Add* | *67.57* | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0012 | EA | 10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller | 1,527.01 | 73.88 |
| | | *For Fan Powered Variable Air Volume Box, Add* | *1,589.26* | |
| | | *For Hot Water Coils, Add* | *498.51* | |
| | | *For Pressure Independent Actuator, Add* | *67.57* | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0013 | EA | 12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller | 1,592.35 | 82.80 |
| | | *For Fan Powered Variable Air Volume Box, Add* | *1,633.92* | |
| | | *For Hot Water Coils, Add* | *511.03* | |
| | | *For Pressure Independent Actuator, Add* | *67.57* | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0014 | EA | 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller | 1,845.21 | 178.21 |
| | | *For Fan Powered Variable Air Volume Box, Add* | *1,833.16* | |
| | | *For Hot Water Coils, Add* | *569.43* | |
| | | *For Pressure Independent Actuator, Add* | *67.57* | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0015 | EA | 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller | 2,136.34 | 211.46 |
| | | *For Fan Powered Variable Air Volume Box, Add* | *1,986.70* | |
| | | *For Hot Water Coils, Add* | *608.02* | |
| | | *For Pressure Independent Actuator, Add* | *67.57* | |
| | | *For Filters And Frames, Add* | *6.30* | |

## 23 36 16 00-0016 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With analog electronic controls.

| | | | | |
|---|---|---|---|---|
| 23 36 16 00-0017 | EA | 6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls | 2,237.61 | 58.60 |
| | | *For Hot Water Coils, Add* | *813.47* | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0018 | EA | 8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls | 2,326.11 | 66.24 |
| | | *For Hot Water Coils, Add* | *836.42* | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0019 | EA | 10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls | 2,406.60 | 73.88 |
| | | *For Hot Water Coils, Add* | *855.19* | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0020 | EA | 12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls | 2,520.81 | 82.80 |
| | | *For Hot Water Coils, Add* | *887.52* | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0021 | EA | 14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls | 2,776.24 | 178.21 |
| | | *For Hot Water Coils, Add* | *946.96* | |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0022 | EA | 16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls | 2,827.68 | 178.21 |
| | | *For Hot Water Coils, Add* | *967.82* | |
| | | *For Filters And Frames, Add* | *6.30* | |

## 23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With flow control installation, plenum system power box, thermostat.

| | | | | |
|---|---|---|---|---|
| 23 36 16 00-0024 | EA | 6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct | 1,530.45 | 115.79 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0025 | EA | 8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct | 1,673.03 | 131.84 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0026 | EA | 10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct | 1,790.17 | 148.91 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0027 | EA | 12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct | 1,962.88 | 166.11 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0028 | EA | 14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct | 2,206.19 | 191.07 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0029 | EA | 16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct | 2,420.80 | 229.29 |
| | | *For Filters And Frames, Add* | *6.30* | |

## 23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) *(23 36 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 36 16 00-0031 | EA | 0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A) | 633.75 | 79.62 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0032 | EA | 0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B) | 687.66 | 87.58 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0033 | EA | 0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C) | 743.12 | 95.54 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0034 | EA | 0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D) | 800.23 | 103.50 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0035 | EA | 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E) | 859.13 | 111.46 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0036 | EA | 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F) | 919.90 | 119.42 |
| | | *For Filters And Frames, Add* | *6.30* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 36 16 00-0037 | EA | 0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G) | 987.90 | 127.38 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0038 | EA | 0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H) | 1,053.23 | 135.34 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0039 | EA | 0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J) | 1,120.91 | 143.30 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0040 | EA | 0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K) | 1,191.08 | 151.26 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0041 | EA | 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L) | 1,263.96 | 159.23 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0042 | EA | 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) | 1,339.69 | 167.19 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0043 | EA | 0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N) | 1,418.51 | 175.15 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0044 | EA | 0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P) | 1,493.49 | 183.11 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 36 16 00-0045 | EA | 0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R) | 1,578.61 | 191.07 |
| | | *For Filters And Frames, Add* | *6.30* | |

## 23 37 Air Outlets and Inlets *(23 30)*

### 23 37 13 Diffusers, Registers, and Grilles *(23 37)*

### 23 37 13 13 Diffusers, Registers, and Grilles *(23 37 13)*

23 37 13 13-0001 Ceiling Diffusers *(23 37 13 13)*

23 37 13 13-0002 Ceiling Diffusers With Perforated Face *(23 37 13 13-0001)*

Note: Flush mount, aluminum construction, includes damper.

| | | | | |
|---|---|---|---|---|
| 23 37 13 13-0003 | EA | 6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper | 133.06 | 16.56 |
| | | *For Steel Construction, Deduct* | *-10.13* | |
| | | *For Surface Mount, Deduct* | *-8.10* | |
| | | *For Diffuser Without Damper, Deduct* | *-13.51* | |
| | | *For Stainless Steel, Add* | *168.85* | |
| 23 37 13 13-0004 | EA | 8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper | 148.07 | 16.56 |
| | | *For Steel Construction, Deduct* | *-12.38* | |
| | | *For Surface Mount, Deduct* | *-9.91* | |
| | | *For Diffuser Without Damper, Deduct* | *-16.51* | |
| | | *For Stainless Steel, Add* | *206.38* | |
| 23 37 13 13-0005 | EA | 9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper | 148.07 | 16.56 |
| | | *For Steel Construction, Deduct* | *-12.38* | |
| | | *For Surface Mount, Deduct* | *-9.91* | |
| | | *For Diffuser Without Damper, Deduct* | *-16.51* | |
| | | *For Stainless Steel, Add* | *206.38* | |
| 23 37 13 13-0006 | EA | 10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper | 177.87 | 20.38 |
| | | *For Steel Construction, Deduct* | *-14.82* | |
| | | *For Surface Mount, Deduct* | *-11.86* | |
| | | *For Diffuser Without Damper, Deduct* | *-19.76* | |
| | | *For Stainless Steel, Add* | *247.03* | |
| 23 37 13 13-0007 | EA | 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper | 177.87 | 19.10 |
| | | *For Steel Construction, Deduct* | *-14.82* | |
| | | *For Surface Mount, Deduct* | *-11.86* | |
| | | *For Diffuser Without Damper, Deduct* | *-19.76* | |
| | | *For Stainless Steel, Add* | *247.03* | |
| 23 37 13 13-0008 | EA | 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper | 205.39 | 19.10 |
| | | *For Steel Construction, Deduct* | *-18.95* | |
| | | *For Surface Mount, Deduct* | *-15.16* | |
| | | *For Diffuser Without Damper, Deduct* | *-25.27* | |
| | | *For Stainless Steel, Add* | *315.83* | |
| 23 37 13 13-0009 | EA | 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper | 235.09 | 25.48 |
| | | *For Steel Construction, Deduct* | *-20.37* | |
| | | *For Surface Mount, Deduct* | *-16.30* | |
| | | *For Diffuser Without Damper, Deduct* | *-27.17* | |
| | | *For Stainless Steel, Add* | *339.58* | |
| 23 37 13 13-0010 | EA | 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper | 273.83 | 26.75 |
| | | *For Steel Construction, Deduct* | *-25.44* | |
| | | *For Surface Mount, Deduct* | *-20.35* | |
| | | *For Diffuser Without Damper, Deduct* | *-33.92* | |
| | | *For Stainless Steel, Add* | *424.03* | |
| 23 37 13 13-0011 | EA | 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper | 309.94 | 30.57 |
| | | *For Steel Construction, Deduct* | *-28.29* | |
| | | *For Surface Mount, Deduct* | *-22.63* | |
| | | *For Lay-In Mount, Deduct* | *-22.63* | |
| | | *For Diffuser Without Damper, Deduct* | *-37.72* | |
| | | *For Stainless Steel, Add* | *471.55* | |

23 37 13 13-0012 Ceiling Diffusers With Louver Face *(23 37 13 13-0001)*

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

| | | | | |
|---|---|---|---|---|
| 23 37 13 13-0013 | EA | 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper | 138.07 | 16.56 |
| | | *For Steel Construction, Deduct* | *-10.88* | |
| | | *For Flush Mount, Add* | *10.88* | |
| | | *For Stainless Steel, Add* | *181.38* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 13-0014 | EA | 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper | 157.58 | 16.56 |
| | | *For Steel Construction, Deduct* | *-13.81* | |
| | | *For Flush Mount, Add* | *13.81* | |
| | | *For Stainless Steel, Add* | *230.15* | |
| 23 37 13 13-0015 | EA | 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper | 157.58 | 16.56 |
| | | *For Steel Construction, Deduct* | *-13.81* | |
| | | *For Flush Mount, Add* | *13.81* | |
| | | *For Stainless Steel, Add* | *230.15* | |
| 23 37 13 13-0016 | EA | 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper | 189.13 | 19.10 |
| | | *For Steel Construction, Deduct* | *-16.51* | |
| | | *For Flush Mount, Add* | *16.51* | |
| | | *For Stainless Steel, Add* | *275.18* | |
| 23 37 13 13-0017 | EA | 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper | 189.13 | 20.38 |
| | | *For Steel Construction, Deduct* | *-16.51* | |
| | | *For Flush Mount, Add* | *16.51* | |
| | | *For Stainless Steel, Add* | *275.18* | |
| 23 37 13 13-0018 | EA | 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper | 243.78 | 25.48 |
| | | *For Steel Construction, Deduct* | *-21.61* | |
| | | *For Flush Mount, Add* | *21.61* | |
| | | *For Stainless Steel, Add* | *360.23* | |
| 23 37 13 13-0019 | EA | 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper | 217.26 | 25.48 |
| | | *For Steel Construction, Deduct* | *-17.64* | |
| | | *For Flush Mount, Add* | *17.64* | |
| | | *For Stainless Steel, Add* | *293.93* | |
| 23 37 13 13-0020 | EA | 18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper | 271.51 | 30.57 |
| | | *For Steel Construction, Deduct* | *-22.63* | |
| | | *For Flush Mount, Add* | *22.63* | |
| | | *For Stainless Steel, Add* | *377.10* | |
| 23 37 13 13-0021 | EA | 21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper | 314.86 | 34.39 |
| | | *For Steel Construction, Deduct* | *-28.14* | |
| | | *For Flush Mount, Add* | *28.14* | |
| | | *For Stainless Steel, Add* | *469.05* | |
| 23 37 13 13-0022 | EA | 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper | 344.26 | 67.39 |
| | | *For Steel Construction, Deduct* | *-31.41* | |
| | | *For Flush Mount, Add* | *31.41* | |
| | | *For Lay-In Mount, Add* | *41.88* | |
| | | *For Stainless Steel, Add* | *523.45* | |

## 23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern *(23 37 13 13-0001)*

Note: Aluminum construction.

| | | | | |
|---|---|---|---|---|
| 23 37 13 13-0024 | EA | 6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction | 227.90 | 16.56 |
| | | *For Steel Construction, Deduct* | *-48.71* | |
| | | *For Stainless Steel, Add* | *405.95* | |
| 23 37 13 13-0025 | EA | 8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction | 236.23 | 16.56 |
| | | *For Steel Construction, Deduct* | *-51.21* | |
| | | *For Stainless Steel, Add* | *426.78* | |
| 23 37 13 13-0026 | EA | 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction | 266.42 | 20.38 |
| | | *For Steel Construction, Deduct* | *-56.21* | |
| | | *For Stainless Steel, Add* | *468.40* | |
| 23 37 13 13-0027 | EA | 12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction | 287.24 | 19.10 |
| | | *For Steel Construction, Deduct* | *-62.45* | |
| | | *For Stainless Steel, Add* | *520.45* | |
| 23 37 13 13-0028 | EA | 14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction | 412.31 | 22.93 |
| | | *For Steel Construction, Deduct* | *-96.18* | |
| | | *For Stainless Steel, Add* | *801.48* | |
| 23 37 13 13-0029 | EA | 16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction | 434.87 | 24.21 |
| | | *For Steel Construction, Deduct* | *-101.80* | |
| | | *For Stainless Steel, Add* | *848.33* | |
| 23 37 13 13-0030 | EA | 18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction | 457.75 | 25.48 |
| | | *For Steel Construction, Deduct* | *-107.42* | |
| | | *For Stainless Steel, Add* | *895.15* | |
| 23 37 13 13-0031 | EA | 20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction | 529.83 | 25.48 |
| | | *For Steel Construction, Deduct* | *-127.68* | |
| | | *For Stainless Steel, Add* | *1,064.03* | |
| 23 37 13 13-0032 | EA | 24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction | 632.78 | 29.30 |
| | | *For Steel Construction, Deduct* | *-155.44* | |
| | | *For Stainless Steel, Add* | *1,295.33* | |
| 23 37 13 13-0033 | EA | 28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction | 712.82 | 30.57 |
| | | *For Steel Construction, Deduct* | *-177.65* | |
| | | *For Stainless Steel, Add* | *1,480.38* | |
| 23 37 13 13-0034 | EA | 32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction | 851.94 | 34.39 |
| | | *For Steel Construction, Deduct* | *-215.12* | |
| | | *For Stainless Steel, Add* | *1,792.65* | |

## 23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style *(23 37 13 13-0001)*

Note: Aluminum construction.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 13-0036 | EA | 6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction | 240.39 | 16.56 |
| | | *For Steel Construction, Deduct* | *-17.49* | |
| | | *For Flush Mount, Deduct* | *-8.74* | |
| | | *For Stainless Steel, Add* | *437.18* | |
| 23 37 13 13-0037 | EA | 8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction | 261.90 | 16.56 |
| | | *For Steel Construction, Deduct* | *-19.64* | |
| | | *For Flush Mount, Deduct* | *-9.82* | |
| | | *For Stainless Steel, Add* | *490.95* | |
| 23 37 13 13-0038 | EA | 10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction | 296.49 | 20.38 |
| | | *For Steel Construction, Deduct* | *-21.74* | |
| | | *For Flush Mount, Deduct* | *-10.87* | |
| | | *For Stainless Steel, Add* | *543.58* | |
| 23 37 13 13-0039 | EA | 12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction | 320.55 | 20.38 |
| | | *For Steel Construction, Deduct* | *-24.15* | |
| | | *For Flush Mount, Deduct* | *-12.07* | |
| | | *For Stainless Steel, Add* | *603.73* | |
| 23 37 13 13-0040 | EA | 14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction | 466.44 | 22.93 |
| | | *For Steel Construction, Deduct* | *-37.47* | |
| | | *For Flush Mount, Deduct* | *-18.74* | |
| | | *For Stainless Steel, Add* | *936.80* | |
| 23 37 13 13-0041 | EA | 16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction | 409.94 | 24.21 |
| | | *For Steel Construction, Deduct* | *-40.04* | |
| | | *For Flush Mount, Deduct* | *-20.02* | |
| | | *For Stainless Steel, Add* | *1,000.98* | |
| 23 37 13 13-0042 | EA | 18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction | 525.76 | 25.48 |
| | | *For Steel Construction, Deduct* | *-42.61* | |
| | | *For Flush Mount, Deduct* | *-21.30* | |
| | | *For Stainless Steel, Add* | *1,065.18* | |
| 23 37 13 13-0043 | EA | 20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction | 610.79 | 26.75 |
| | | *For Steel Construction, Deduct* | *-50.66* | |
| | | *For Flush Mount, Deduct* | *-25.33* | |
| | | *For Stainless Steel, Add* | *1,266.43* | |
| 23 37 13 13-0044 | EA | 24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction | 690.15 | 29.30 |
| | | *For Steel Construction, Deduct* | *-57.55* | |
| | | *For Flush Mount, Deduct* | *-28.78* | |
| | | *For Stainless Steel, Add* | *1,438.75* | |
| 23 37 13 13-0045 | EA | 28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction | 837.73 | 30.57 |
| | | *For Steel Construction, Deduct* | *-71.71* | |
| | | *For Flush Mount, Deduct* | *-35.85* | |
| | | *For Stainless Steel, Add* | *1,792.65* | |
| 23 37 13 13-0046 | EA | 32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction | 1,009.69 | 34.39 |
| | | *For Steel Construction, Deduct* | *-87.48* | |
| | | *For Flush Mount, Deduct* | *-43.74* | |
| | | *For Stainless Steel, Add* | *2,187.03* | |
| 23 37 13 13-0047 | EA | 36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction | 1,118.97 | 71.72 |
| | | *For Stainless Steel, Add* | *2,439.18* | |

## 23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection *(23 37 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 37 13 13-0049 | LF | 4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection | 181.50 | 19.10 |
| | | *For Stainless Steel, Add* | *262.68* | |
| 23 37 13 13-0050 | LF | 6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection | 195.79 | 19.10 |
| | | *For Stainless Steel, Add* | *298.40* | |
| 23 37 13 13-0051 | LF | 9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection | 213.36 | 19.10 |
| | | *For Stainless Steel, Add* | *342.33* | |
| 23 37 13 13-0052 | LF | 12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection | 230.48 | 19.10 |
| | | *For Stainless Steel, Add* | *385.13* | |

## 23 37 13 13-0053 Wall And Floor Diffusers *(23 37 13 13)*

## 23 37 13 13-0054 Slot Type Linear Diffusers *(23 37 13 13-0053)*

Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.

| | | | | |
|---|---|---|---|---|
| 23 37 13 13-0055 | LF | 1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling | 61.45 | 6.37 |
| | | *For 3/4" Border, Add* | *8.68* | |
| | | *For Floor Mounted Diffusers, Add* | *10.41* | |
| | | *For Stainless Steel, Add* | *45.11* | |
| 23 37 13 13-0056 | LF | 2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling | 75.54 | 7.64 |
| | | *For 3/4" Border, Add* | *11.57* | |
| | | *For Floor Mounted Diffusers, Add* | *13.88* | |
| | | *For Stainless Steel, Add* | *60.14* | |
| 23 37 13 13-0057 | LF | 3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling | 106.00 | 8.92 |
| | | *For 3/4" Border, Add* | *18.22* | |
| | | *For Floor Mounted Diffusers, Add* | *21.86* | |
| | | *For Stainless Steel, Add* | *94.72* | |
| 23 37 13 13-0058 | LF | 4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling | 141.01 | 8.92 |
| | | *For 3/4" Border, Add* | *26.02* | |
| | | *For Floor Mounted Diffusers, Add* | *31.23* | |
| | | *For Stainless Steel, Add* | *135.32* | |
| 23 37 13 13-0059 | LF | 5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling | 177.39 | 10.19 |
| | | *For 3/4" Border, Add* | *33.83* | |
| | | *For Floor Mounted Diffusers, Add* | *40.60* | |
| | | *For Stainless Steel, Add* | *175.92* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 13-0060 | LF | 6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling | 207.97 | 12.74 |
| | | *For 3/4" Border, Add* | *39.90* | |
| | | *For Floor Mounted Diffusers, Add* | *47.88* | |
| | | *For Stainless Steel, Add* | *207.48* | |
| 23 37 13 13-0061 | | **Linear Bar Grilles And Registers** *(23 37 13 13-0053)* | | |
| | | Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction. | | |
| 23 37 13 13-0062 | LF | 2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling | 196.98 | 7.64 |
| | | *For Floor Mount, Add* | *16.77* | |
| | | *For Opposed Blade Damper, Add* | *33.54* | |
| | | *For Stainless Steel, Add* | *218.01* | |
| 23 37 13 13-0063 | LF | 3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling | 235.53 | 8.92 |
| | | *For Floor Mount, Add* | *20.24* | |
| | | *For Opposed Blade Damper, Add* | *40.48* | |
| | | *For Stainless Steel, Add* | *263.11* | |
| 23 37 13 13-0064 | LF | 4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling | 256.66 | 8.92 |
| | | *For Floor Mount, Add* | *21.97* | |
| | | *For Opposed Blade Damper, Add* | *43.95* | |
| | | *For Stainless Steel, Add* | *285.66* | |
| 23 37 13 13-0065 | LF | 6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling | 314.37 | 12.74 |
| | | *For Floor Mount, Add* | *26.60* | |
| | | *For Opposed Blade Damper, Add* | *53.20* | |
| | | *For Stainless Steel, Add* | *345.80* | |
| 23 37 13 13-0066 | LF | 9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling | 435.04 | 16.56 |
| | | *For Floor Mount, Add* | *37.01* | |
| | | *For Opposed Blade Damper, Add* | *74.02* | |
| | | *For Stainless Steel, Add* | *481.12* | |
| 23 37 13 13-0067 | LF | 12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling | 501.20 | 19.10 |
| | | *For Floor Mount, Add* | *42.21* | |
| | | *For Opposed Blade Damper, Add* | *84.43* | |
| | | *For Stainless Steel, Add* | *548.78* | |
| 23 37 13 13-0068 | | **Return/Exhaust Registers And Grilles** *(23 37 13 13)* | | |
| 23 37 13 13-0069 | | **Return/Exhaust Registers With Frame** *(23 37 13 13-0068)* | | |
| | | Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount. | | |
| 23 37 13 13-0070 | EA | 8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 132.64 | 10.19 |
| | | *For Steel Construction, Deduct* | *-18.62* | |
| | | *For Grilles (No Damper), Deduct* | *-37.24* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *9.31* | |
| | | *For Cube Core Lay In, Add* | *18.62* | |
| | | *For Stainless Steel, Add* | *232.75* | |
| 23 37 13 13-0071 | EA | 8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 152.88 | 10.19 |
| | | *For Steel Construction, Deduct* | *-22.67* | |
| | | *For Grilles (No Damper), Deduct* | *-45.34* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *11.33* | |
| | | *For Cube Core Lay In, Add* | *22.67* | |
| | | *For Stainless Steel, Add* | *283.35* | |
| 23 37 13 13-0072 | EA | 10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 171.34 | 11.46 |
| | | *For Steel Construction, Deduct* | *-25.10* | |
| | | *For Grilles (No Damper), Deduct* | *-50.19* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *12.55* | |
| | | *For Cube Core Lay In, Add* | *25.10* | |
| | | *For Stainless Steel, Add* | *313.70* | |
| 23 37 13 13-0073 | EA | 10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 178.81 | 12.74 |
| | | *For Steel Construction, Deduct* | *-25.10* | |
| | | *For Grilles (No Damper), Deduct* | *-50.19* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *12.55* | |
| | | *For Cube Core Lay In, Add* | *25.10* | |
| | | *For Stainless Steel, Add* | *313.70* | |
| 23 37 13 13-0074 | EA | 12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 170.72 | 12.74 |
| | | *For Steel Construction, Deduct* | *-23.48* | |
| | | *For Grilles (No Damper), Deduct* | *-46.96* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *11.74* | |
| | | *For Cube Core Lay In, Add* | *23.48* | |
| | | *For Stainless Steel, Add* | *293.48* | |
| 23 37 13 13-0075 | EA | 12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 219.34 | 16.56 |
| | | *For Steel Construction, Deduct* | *-30.76* | |
| | | *For Grilles (No Damper), Deduct* | *-61.53* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *15.38* | |
| | | *For Cube Core Lay In, Add* | *30.76* | |
| | | *For Stainless Steel, Add* | *384.55* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 13-0076 | EA | 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 262.72 | 19.10 |
| | | *For Steel Construction, Deduct* | *-36.73* | |
| | | *For Grilles (No Damper), Deduct* | *-73.46* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *18.37* | |
| | | *For Cube Core Lay In, Add* | *36.73* | |
| | | *For Stainless Steel, Add* | *459.15* | |
| 23 37 13 13-0077 | EA | 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 322.44 | 22.93 |
| | | *For Steel Construction, Deduct* | *-46.14* | |
| | | *For Grilles (No Damper), Deduct* | *-92.29* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *23.07* | |
| | | *For Cube Core Lay In, Add* | *46.14* | |
| | | *For Stainless Steel, Add* | *576.80* | |
| 23 37 13 13-0078 | EA | 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 379.09 | 25.48 |
| | | *For Steel Construction, Deduct* | *-55.88* | |
| | | *For Grilles (No Damper), Deduct* | *-111.76* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *27.94* | |
| | | *For Cube Core Lay In, Add* | *55.88* | |
| | | *For Stainless Steel, Add* | *698.50* | |
| 23 37 13 13-0079 | EA | 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 337.92 | 25.48 |
| | | *For Steel Construction, Deduct* | *-46.74* | |
| | | *For Grilles (No Damper), Deduct* | *-93.48* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *23.37* | |
| | | *For Cube Core Lay In, Add* | *46.74* | |
| | | *For Stainless Steel, Add* | *584.25* | |
| 23 37 13 13-0080 | EA | 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 387.56 | 25.48 |
| | | *For Steel Construction, Deduct* | *-56.67* | |
| | | *For Grilles (No Damper), Deduct* | *-113.34* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *28.33* | |
| | | *For Cube Core Lay In, Add* | *56.67* | |
| | | *For Stainless Steel, Add* | *708.35* | |
| 23 37 13 13-0081 | EA | 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 408.33 | 29.30 |
| | | *For Steel Construction, Deduct* | *-58.74* | |
| | | *For Grilles (No Damper), Deduct* | *-117.47* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *29.37* | |
| | | *For Cube Core Lay In, Add* | *58.74* | |
| | | *For Stainless Steel, Add* | *734.20* | |
| 23 37 13 13-0082 | EA | 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 432.78 | 30.57 |
| | | *For Steel Construction, Deduct* | *-62.42* | |
| | | *For Grilles (No Damper), Deduct* | *-124.84* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *31.21* | |
| | | *For Cube Core Lay In, Add* | *62.42* | |
| | | *For Stainless Steel, Add* | *780.28* | |
| 23 37 13 13-0083 | EA | 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 499.17 | 34.39 |
| | | *For Steel Construction, Deduct* | *-72.86* | |
| | | *For Grilles (No Damper), Deduct* | *-145.72* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *36.43* | |
| | | *For Cube Core Lay In, Add* | *72.86* | |
| | | *For Stainless Steel, Add* | *910.73* | |
| 23 37 13 13-0084 | EA | 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 558.02 | 40.77 |
| | | *For Steel Construction, Deduct* | *-78.85* | |
| | | *For Grilles (No Damper), Deduct* | *-157.70* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *39.42* | |
| | | *For Cube Core Lay In, Add* | *78.85* | |
| | | *For Stainless Steel, Add* | *985.60* | |
| 23 37 13 13-0085 | EA | 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 729.42 | 40.77 |
| | | *For Steel Construction, Deduct* | *-113.13* | |
| | | *For Grilles (No Damper), Deduct* | *-226.26* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *56.56* | |
| | | *For Cube Core Lay In, Add* | *113.13* | |
| | | *For Stainless Steel, Add* | *1,414.10* | |
| 23 37 13 13-0086 | EA | 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 602.27 | 44.58 |
| | | *For Steel Construction, Deduct* | *-85.18* | |
| | | *For Grilles (No Damper), Deduct* | *-170.36* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *42.59* | |
| | | *For Cube Core Lay In, Add* | *85.18* | |
| | | *For Stainless Steel, Add* | *1,064.73* | |
| 23 37 13 13-0087 | EA | 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 585.99 | 43.31 |
| | | *For Steel Construction, Deduct* | *-81.92* | |
| | | *For Grilles (No Damper), Deduct* | *-163.84* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *40.96* | |
| | | *For Cube Core Lay In, Add* | *81.92* | |
| | | *For Stainless Steel, Add* | *1,024.03* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 13-0088 | EA | 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 668.10 | 48.40 |
| | | *For Steel Construction, Deduct* | *-95.41* | |
| | | *For Grilles (No Damper), Deduct* | *-190.81* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *47.70* | |
| | | *For Cube Core Lay In, Add* | *95.41* | |
| | | *For Stainless Steel, Add* | *1,192.58* | |
| 23 37 13 13-0089 | EA | 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 910.51 | 52.23 |
| | | *For Steel Construction, Deduct* | *-140.41* | |
| | | *For Grilles (No Damper), Deduct* | *-280.82* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *70.21* | |
| | | *For Cube Core Lay In, Add* | *140.41* | |
| | | *For Stainless Steel, Add* | *1,755.15* | |
| 23 37 13 13-0090 | EA | 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 401.61 | 29.42 |
| | | *For Steel Construction, Deduct* | *-56.81* | |
| | | *For Grilles (No Damper), Deduct* | *-113.62* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *28.41* | |
| | | *For Cube Core Lay In, Add* | *56.81* | |
| | | *For Stainless Steel, Add* | *710.13* | |
| 23 37 13 13-0091 | EA | 32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 695.26 | 44.10 |
| | | *For Steel Construction, Deduct* | *-103.78* | |
| | | *For Grilles (No Damper), Deduct* | *-207.55* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *51.89* | |
| | | *For Cube Core Lay In, Add* | *103.78* | |
| | | *For Stainless Steel, Add* | *1,297.20* | |
| 23 37 13 13-0092 | EA | 48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 804.61 | 52.23 |
| | | *For Steel Construction, Deduct* | *-119.08* | |
| | | *For Grilles (No Damper), Deduct* | *-238.16* | |
| | | *For Removable Core, Add* | *35.00* | |
| | | *For Cube Core With Frame, Add* | *59.54* | |
| | | *For Cube Core Lay In, Add* | *119.08* | |
| | | *For Stainless Steel, Add* | *1,488.53* | |

## 23 37 13 13-0093 Return/Exhaust Registers Removable-Reversible *(23 37 13 13-0068)*

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

| | | | | |
|---|---|---|---|---|
| 23 37 13 13-0094 | EA | 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 122.12 | 10.19 |
| | | *For Steel Construction, Deduct* | *-8.26* | |
| | | *For Flat Frame, Deduct* | *-0.83* | |
| | | *For Grilles (No Damper), Deduct* | *-16.52* | |
| | | *For Stainless Steel, Add* | *206.45* | |
| 23 37 13 13-0095 | EA | 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 122.12 | 10.19 |
| | | *For Steel Construction, Deduct* | *-8.26* | |
| | | *For Flat Frame, Deduct* | *-0.83* | |
| | | *For Grilles (No Damper), Deduct* | *-16.52* | |
| | | *For Stainless Steel, Add* | *206.45* | |
| 23 37 13 13-0096 | EA | 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 150.30 | 11.46 |
| | | *For Steel Construction, Deduct* | *-10.44* | |
| | | *For Flat Frame, Deduct* | *-1.04* | |
| | | *For Grilles (No Damper), Deduct* | *-20.89* | |
| | | *For Stainless Steel, Add* | *261.10* | |
| 23 37 13 13-0097 | EA | 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 172.34 | 14.01 |
| | | *For Steel Construction, Deduct* | *-11.90* | |
| | | *For Flat Frame, Deduct* | *-1.19* | |
| | | *For Grilles (No Damper), Deduct* | *-23.80* | |
| | | *For Stainless Steel, Add* | *297.53* | |
| 23 37 13 13-0098 | EA | 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 169.91 | 12.74 |
| | | *For Steel Construction, Deduct* | *-11.66* | |
| | | *For Flat Frame, Deduct* | *-1.17* | |
| | | *For Grilles (No Damper), Deduct* | *-23.32* | |
| | | *For Stainless Steel, Add* | *291.45* | |
| 23 37 13 13-0099 | EA | 12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 220.96 | 16.56 |
| | | *For Steel Construction, Deduct* | *-15.54* | |
| | | *For Flat Frame, Deduct* | *-1.55* | |
| | | *For Grilles (No Damper), Deduct* | *-31.09* | |
| | | *For Stainless Steel, Add* | *388.60* | |
| 23 37 13 13-0100 | EA | 16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 359.98 | 20.38 |
| | | *For Steel Construction, Deduct* | *-28.09* | |
| | | *For Flat Frame, Deduct* | *-2.81* | |
| | | *For Grilles (No Damper), Deduct* | *-56.18* | |
| | | *For Stainless Steel, Add* | *702.30* | |
| 23 37 13 13-0101 | EA | 18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 434.17 | 22.93 |
| | | *For Steel Construction, Deduct* | *-34.25* | |
| | | *For Flat Frame, Deduct* | *-3.42* | |
| | | *For Grilles (No Damper), Deduct* | *-68.49* | |
| | | *For Stainless Steel, Add* | *856.13* | |
| 23 37 13 13-0102 | EA | 20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 490.72 | 25.48 |
| | | *For Steel Construction, Deduct* | *-39.10* | |
| | | *For Flat Frame, Deduct* | *-3.91* | |
| | | *For Grilles (No Damper), Deduct* | *-78.21* | |
| | | *For Stainless Steel, Add* | *977.58* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 13-0103 | EA | 24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 405.38 | 25.48 |
| | | *For Steel Construction, Deduct* | *-30.12* | |
| | | *For Flat Frame, Deduct* | *-3.01* | |
| | | *For Grilles (No Damper), Deduct* | *-60.23* | |
| | | *For Stainless Steel, Add* | *752.90* | |
| 23 37 13 13-0104 | EA | 24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 551.11 | 26.75 |
| | | *For Steel Construction, Deduct* | *-44.69* | |
| | | *For Flat Frame, Deduct* | *-4.47* | |
| | | *For Grilles (No Damper), Deduct* | *-89.38* | |
| | | *For Stainless Steel, Add* | *1,117.23* | |
| 23 37 13 13-0105 | EA | 24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 644.11 | 29.30 |
| | | *For Steel Construction, Deduct* | *-52.95* | |
| | | *For Flat Frame, Deduct* | *-5.29* | |
| | | *For Grilles (No Damper), Deduct* | *-105.89* | |
| | | *For Stainless Steel, Add* | *1,323.65* | |
| 23 37 13 13-0106 | EA | 30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 489.84 | 30.57 |
| | | *For Steel Construction, Deduct* | *-36.92* | |
| | | *For Flat Frame, Deduct* | *-3.69* | |
| | | *For Grilles (No Damper), Deduct* | *-73.83* | |
| | | *For Stainless Steel, Add* | *922.93* | |
| 23 37 13 13-0107 | EA | 30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 678.92 | 34.39 |
| | | *For Steel Construction, Deduct* | *-54.40* | |
| | | *For Flat Frame, Deduct* | *-5.44* | |
| | | *For Grilles (No Damper), Deduct* | *-108.81* | |
| | | *For Stainless Steel, Add* | *1,360.10* | |
| 23 37 13 13-0108 | EA | 30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 817.11 | 40.77 |
| | | *For Steel Construction, Deduct* | *-65.33* | |
| | | *For Flat Frame, Deduct* | *-6.53* | |
| | | *For Grilles (No Damper), Deduct* | *-130.67* | |
| | | *For Stainless Steel, Add* | *1,633.33* | |
| 23 37 13 13-0109 | EA | 30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 939.76 | 40.77 |
| | | *For Steel Construction, Deduct* | *-77.60* | |
| | | *For Flat Frame, Deduct* | *-7.76* | |
| | | *For Grilles (No Damper), Deduct* | *-155.20* | |
| | | *For Stainless Steel, Add* | *1,939.95* | |
| 23 37 13 13-0110 | EA | 36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 630.55 | 43.31 |
| | | *For Steel Construction, Deduct* | *-45.42* | |
| | | *For Flat Frame, Deduct* | *-4.54* | |
| | | *For Grilles (No Damper), Deduct* | *-90.83* | |
| | | *For Stainless Steel, Add* | *1,135.43* | |
| 23 37 13 13-0111 | EA | 36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 863.71 | 43.31 |
| | | *For Steel Construction, Deduct* | *-68.73* | |
| | | *For Flat Frame, Deduct* | *-6.87* | |
| | | *For Grilles (No Damper), Deduct* | *-137.47* | |
| | | *For Stainless Steel, Add* | *1,718.33* | |
| 23 37 13 13-0112 | EA | 36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 1,002.27 | 48.40 |
| | | *For Steel Construction, Deduct* | *-81.12* | |
| | | *For Flat Frame, Deduct* | *-8.11* | |
| | | *For Grilles (No Damper), Deduct* | *-162.24* | |
| | | *For Stainless Steel, Add* | *2,028.00* | |
| 23 37 13 13-0113 | EA | 36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 1,173.87 | 52.23 |
| | | *For Steel Construction, Deduct* | *-96.54* | |
| | | *For Flat Frame, Deduct* | *-9.65* | |
| | | *For Grilles (No Damper), Deduct* | *-193.08* | |
| | | *For Stainless Steel, Add* | *2,413.55* | |
| 23 37 13 13-0114 | EA | 36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling | 1,241.88 | 52.23 |
| | | *For Steel Construction, Deduct* | *-103.34* | |
| | | *For Flat Frame, Deduct* | *-10.33* | |
| | | *For Grilles (No Damper), Deduct* | *-206.69* | |
| | | *For Stainless Steel, Add* | *2,583.58* | |

## 23 37 13 13-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0068)*

| | | | | |
|---|---|---|---|---|
| 23 37 13 13-0116 | EA | 6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 61.53 | 12.46 |
| 23 37 13 13-0117 | EA | 8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 61.53 | 12.46 |
| 23 37 13 13-0118 | EA | 8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 66.96 | 12.46 |
| 23 37 13 13-0119 | EA | 8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 69.14 | 12.46 |
| 23 37 13 13-0120 | EA | 10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 66.96 | 12.46 |
| 23 37 13 13-0121 | EA | 10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 69.14 | 12.46 |
| 23 37 13 13-0122 | EA | 10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 83.06 | 16.33 |
| 23 37 13 13-0123 | EA | 10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 85.24 | 16.33 |
| 23 37 13 13-0124 | EA | 12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 80.89 | 16.33 |
| 23 37 13 13-0125 | EA | 12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 85.24 | 16.33 |
| 23 37 13 13-0126 | EA | 12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 87.41 | 16.33 |
| 23 37 13 13-0127 | EA | 12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 89.59 | 16.33 |
| 23 37 13 13-0128 | EA | 14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 86.32 | 16.33 |
| 23 37 13 13-0129 | EA | 14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 90.67 | 16.33 |
| 23 37 13 13-0130 | EA | 14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 92.85 | 16.33 |
| 23 37 13 13-0131 | EA | 14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 102.63 | 16.33 |
| 23 37 13 13-0132 | EA | 16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 90.67 | 16.33 |
| 23 37 13 13-0133 | EA | 16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 98.28 | 16.33 |
| 23 37 13 13-0134 | EA | 16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 102.63 | 16.33 |
| 23 37 13 13-0135 | EA | 16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 131.58 | 24.09 |
| 23 37 13 13-0136 | EA | 16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 133.75 | 24.09 |
| 23 37 13 13-0137 | EA | 18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 129.40 | 24.09 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 13-0138 | EA | 18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 158.55 | 27.97 |
| 23 37 13 13-0139 | EA | 20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 127.23 | 24.09 |
| 23 37 13 13-0140 | EA | 20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 169.42 | 27.97 |
| 23 37 13 13-0141 | EA | 22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 88.50 | 16.33 |
| 23 37 13 13-0142 | EA | 22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 129.40 | 24.09 |
| 23 37 13 13-0143 | EA | 22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 189.87 | 31.85 |
| 23 37 13 13-0144 | EA | 24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 127.23 | 24.09 |
| 23 37 13 13-0145 | EA | 24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 131.58 | 24.09 |
| 23 37 13 13-0146 | EA | 24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 152.03 | 27.97 |
| | | *For Lay-In Installation, Deduct* | *-59.08* | |
| 23 37 13 13-0147 | EA | 24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 158.55 | 27.97 |
| 23 37 13 13-0148 | EA | 24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 176.82 | 31.85 |
| 23 37 13 13-0149 | EA | 24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 183.35 | 31.85 |
| 23 37 13 13-0150 | EA | 24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 190.96 | 31.85 |
| 23 37 13 13-0151 | EA | 24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 205.09 | 31.85 |
| | | *For Lay-In Installation, Deduct* | *-67.64* | |
| 23 37 13 13-0152 | EA | 30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 155.29 | 27.97 |
| 23 37 13 13-0153 | EA | 48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 252.54 | 34.91 |
| 23 37 13 13-0154 | EA | 48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille | 433.70 | 42.66 |
| | | *For Lay-In Installation, Deduct* | *-97.36* | |

## 23 37 13 13-0155 Supply Registers and Grilles *(23 37 13 13)*

## 23 37 13 13-0156 Adjustable Curved Blade Register *(23 37 13 13-0155)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

| | | | | |
|---|---|---|---|---|
| 23 37 13 13-0157 | EA | 6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern | 110.25 | 10.19 |
| | | *For Steel Construction, Deduct* | *-10.62* | |
| | | *For Lay In Frame, Deduct* | *-17.70* | |
| | | *For Three Way Pattern, Deduct* | *-7.08* | |
| | | *For Two Way Pattern, Deduct* | *-5.66* | |
| | | *For One Way Pattern, Deduct* | *-5.66* | |
| | | *For Grille (No Damper), Deduct* | *-10.62* | |
| | | *For Stainless Steel, Add* | *176.95* | |
| 23 37 13 13-0158 | EA | 8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern | 114.41 | 10.19 |
| | | *For Steel Construction, Deduct* | *-11.24* | |
| | | *For Lay In Frame, Deduct* | *-18.74* | |
| | | *For Three Way Pattern, Deduct* | *-7.49* | |
| | | *For Two Way Pattern, Deduct* | *-6.00* | |
| | | *For One Way Pattern, Deduct* | *-6.00* | |
| | | *For Grille (No Damper), Deduct* | *-11.24* | |
| | | *For Stainless Steel, Add* | *187.35* | |
| 23 37 13 13-0159 | EA | 12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern | 124.23 | 14.01 |
| | | *For Steel Construction, Deduct* | *-10.62* | |
| | | *For Lay In Frame, Deduct* | *-17.70* | |
| | | *For Three Way Pattern, Deduct* | *-7.08* | |
| | | *For Two Way Pattern, Deduct* | *-5.66* | |
| | | *For One Way Pattern, Deduct* | *-5.66* | |
| | | *For Grille (No Damper), Deduct* | *-10.62* | |
| | | *For Stainless Steel, Add* | *176.95* | |
| 23 37 13 13-0160 | EA | 10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern | 139.50 | 12.74 |
| | | *For Steel Construction, Deduct* | *-12.91* | |
| | | *For Lay In Frame, Deduct* | *-21.51* | |
| | | *For Three Way Pattern, Deduct* | *-8.61* | |
| | | *For Two Way Pattern, Deduct* | *-6.88* | |
| | | *For One Way Pattern, Deduct* | *-6.88* | |
| | | *For Grille (No Damper), Deduct* | *-12.91* | |
| | | *For Stainless Steel, Add* | *215.13* | |
| 23 37 13 13-0161 | EA | 12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern | 167.65 | 16.56 |
| | | *For Steel Construction, Deduct* | *-15.41* | |
| | | *For Lay In Frame, Deduct* | *-25.68* | |
| | | *For Three Way Pattern, Deduct* | *-10.27* | |
| | | *For Two Way Pattern, Deduct* | *-8.22* | |
| | | *For One Way Pattern, Deduct* | *-8.22* | |
| | | *For Grille (No Damper), Deduct* | *-15.41* | |
| | | *For Stainless Steel, Add* | *256.75* | |
| 23 37 13 13-0162 | EA | 14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern | 206.74 | 19.10 |
| | | *For Steel Construction, Deduct* | *-19.15* | |
| | | *For Lay In Frame, Deduct* | *-31.92* | |
| | | *For Three Way Pattern, Deduct* | *-12.77* | |
| | | *For Two Way Pattern, Deduct* | *-10.21* | |
| | | *For One Way Pattern, Deduct* | *-10.21* | |
| | | *For Grille (No Damper), Deduct* | *-19.15* | |
| | | *For Stainless Steel, Add* | *319.20* | |
| 23 37 13 13-0163 | EA | 16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern | 206.74 | 19.10 |
| | | *For Steel Construction, Deduct* | *-19.15* | |
| | | *For Lay In Frame, Deduct* | *-31.92* | |
| | | *For Three Way Pattern, Deduct* | *-12.77* | |
| | | *For Two Way Pattern, Deduct* | *-10.21* | |
| | | *For One Way Pattern, Deduct* | *-10.21* | |
| | | *For Grille (No Damper), Deduct* | *-19.15* | |
| | | *For Stainless Steel, Add* | *319.20* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 13-0164 | EA | 18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern | 254.70 | 25.48 |
| | | *For Steel Construction, Deduct* | *-23.32* | |
| | | *For Lay In Frame, Deduct* | *-38.86* | |
| | | *For Three Way Pattern, Deduct* | *-15.54* | |
| | | *For Two Way Pattern, Deduct* | *-12.44* | |
| | | *For One Way Pattern, Deduct* | *-12.44* | |
| | | *For Grille (No Damper), Deduct* | *-23.32* | |
| | | *For Stainless Steel, Add* | *388.60* | |
| 23 37 13 13-0165 | EA | 24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern | 338.77 | 26.75 |
| | | *For Steel Construction, Deduct* | *-35.18* | |
| | | *For Lay In Frame, Deduct* | *-58.64* | |
| | | *For Three Way Pattern, Deduct* | *-23.46* | |
| | | *For Two Way Pattern, Deduct* | *-18.76* | |
| | | *For One Way Pattern, Deduct* | *-18.76* | |
| | | *For Grille (No Damper), Deduct* | *-35.18* | |
| | | *For Stainless Steel, Add* | *586.38* | |
| 23 37 13 13-0166 | EA | 30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern | 558.39 | 54.01 |
| | | *For Steel Construction, Deduct* | *-67.55* | |
| | | *For Lay In Frame, Deduct* | *-112.59* | |
| | | *For Three Way Pattern, Deduct* | *-45.04* | |
| | | *For Two Way Pattern, Deduct* | *-36.03* | |
| | | *For One Way Pattern, Deduct* | *-36.03* | |
| | | *For Grille (No Damper), Deduct* | *-67.55* | |
| | | *For Stainless Steel, Add* | *1,125.90* | |

## 23 37 13 13-0167 Removable-Reversible Core Registers *(23 37 13 13-0155)*

Note: Double deflection radiused frame aluminum construction.

| | | | | |
|---|---|---|---|---|
| 23 37 13 13-0168 | EA | 6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame | 128.29 | 10.19 |
| | | *For Steel Construction, Deduct* | *-8.88* | |
| | | *For Flat Frame, Deduct* | *-8.88* | |
| | | *For Grille (No Damper), Deduct* | *-26.65* | |
| | | *For Stainless Steel, Add* | *222.05* | |
| 23 37 13 13-0169 | EA | 8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame | 164.38 | 10.19 |
| | | *For Steel Construction, Deduct* | *-12.49* | |
| | | *For Flat Frame, Deduct* | *-12.49* | |
| | | *For Grille (No Damper), Deduct* | *-37.47* | |
| | | *For Stainless Steel, Add* | *312.28* | |
| 23 37 13 13-0170 | EA | 12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame | 208.89 | 14.01 |
| | | *For Steel Construction, Deduct* | *-15.54* | |
| | | *For Flat Frame, Deduct* | *-15.54* | |
| | | *For Grille (No Damper), Deduct* | *-46.63* | |
| | | *For Stainless Steel, Add* | *388.60* | |
| 23 37 13 13-0171 | EA | 10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame | 211.66 | 14.01 |
| | | *For Steel Construction, Deduct* | *-15.82* | |
| | | *For Flat Frame, Deduct* | *-15.82* | |
| | | *For Grille (No Damper), Deduct* | *-47.46* | |
| | | *For Stainless Steel, Add* | *395.53* | |
| 23 37 13 13-0172 | EA | 12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame | 270.35 | 16.56 |
| | | *For Steel Construction, Deduct* | *-20.54* | |
| | | *For Flat Frame, Deduct* | *-20.54* | |
| | | *For Grille (No Damper), Deduct* | *-61.62* | |
| | | *For Stainless Steel, Add* | *513.50* | |
| 23 37 13 13-0173 | EA | 14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame | 387.16 | 20.38 |
| | | *For Steel Construction, Deduct* | *-30.81* | |
| | | *For Flat Frame, Deduct* | *-30.81* | |
| | | *For Grille (No Damper), Deduct* | *-92.43* | |
| | | *For Stainless Steel, Add* | *770.25* | |
| 23 37 13 13-0174 | EA | 16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame | 437.12 | 19.10 |
| | | *For Steel Construction, Deduct* | *-35.81* | |
| | | *For Flat Frame, Deduct* | *-35.81* | |
| | | *For Grille (No Damper), Deduct* | *-107.42* | |
| | | *For Stainless Steel, Add* | *895.15* | |
| 23 37 13 13-0175 | EA | 18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame | 526.72 | 25.48 |
| | | *For Steel Construction, Deduct* | *-42.75* | |
| | | *For Flat Frame, Deduct* | *-42.75* | |
| | | *For Grille (No Damper), Deduct* | *-128.24* | |
| | | *For Stainless Steel, Add* | *1,068.65* | |
| 23 37 13 13-0176 | EA | 24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame | 667.69 | 25.48 |
| | | *For Steel Construction, Deduct* | *-56.35* | |
| | | *For Flat Frame, Deduct* | *-56.35* | |
| | | *For Grille (No Damper), Deduct* | *-169.04* | |
| | | *For Stainless Steel, Add* | *1,408.68* | |

## 23 37 13 13-0177 Supply Grille, Aluminum Drum With Aluminum Border *(23 37 13 13-0155)*

Note: Titus DL.

| | | | | |
|---|---|---|---|---|
| 23 37 13 13-0178 | EA | 9" x 6" Supply Grille, Aluminum Drum | 93.31 | 19.75 |
| | | *For Stainless Steel, Add* | *134.60* | |
| 23 37 13 13-0179 | EA | 12" x 6" Supply Grille, Aluminum Drum | 130.65 | 26.75 |
| | | *For Stainless Steel, Add* | *193.03* | |
| 23 37 13 13-0180 | EA | 18" x 6" Supply Grille, Aluminum Drum | 143.77 | 26.75 |
| | | *For Stainless Steel, Add* | *225.83* | |
| 23 37 13 13-0181 | EA | 24" x 6" Supply Grille, Aluminum Drum | 159.88 | 32.48 |
| | | *For Stainless Steel, Add* | *237.35* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 13-0182 | EA | 30" x 6" Supply Grille, Aluminum Drum | 203.88 | 39.62 |
| | | *For Stainless Steel, Add* | *312.05* | |
| 23 37 13 13-0183 | EA | 36" x 6" Supply Grille, Aluminum Drum | 246.82 | 39.62 |
| | | *For Stainless Steel, Add* | *419.40* | |
| 23 37 13 13-0184 | EA | 48" x 6" Supply Grille, Aluminum Drum | 295.16 | 49.68 |
| | | *For Stainless Steel, Add* | *489.78* | |
| 23 37 13 13-0185 | EA | 20" x 10" Supply Grille, Aluminum Drum | 166.21 | 32.48 |
| | | *For Stainless Steel, Add* | *253.18* | |
| 23 37 13 13-0186 | EA | 25" x 10" Supply Grille, Aluminum Drum | 180.22 | 39.49 |
| | | *For Stainless Steel, Add* | *253.18* | |
| 23 37 13 13-0187 | EA | 30" x 10" Supply Grille, Aluminum Drum | 253.67 | 49.68 |
| | | *For Stainless Steel, Add* | *385.83* | |
| 23 37 13 13-0188 | EA | 35" x 10" Supply Grille, Aluminum Drum | 292.71 | 53.50 |
| | | *For Stainless Steel, Add* | *464.33* | |
| 23 37 13 13-0189 | EA | 40" x 10" Supply Grille, Aluminum Drum | 328.68 | 56.04 |
| | | *For Stainless Steel, Add* | *541.53* | |
| 23 37 13 13-0190 | EA | 20" x 12" Supply Grille, Aluminum Drum | 189.32 | 35.03 |
| | | *For Stainless Steel, Add* | *298.20* | |
| 23 37 13 13-0191 | EA | 30" x 12" Supply Grille, Aluminum Drum | 277.96 | 50.95 |
| | | *For Stainless Steel, Add* | *440.23* | |
| 23 37 13 13-0192 | EA | 40" x 12" Supply Grille, Aluminum Drum | 359.06 | 57.32 |
| | | *For Stainless Steel, Add* | *611.10* | |
| 23 37 13 13-0193 | EA | 15" x 15" Supply Grille, Aluminum Drum | 199.65 | 39.49 |
| | | *For Stainless Steel, Add* | *301.75* | |
| 23 37 13 13-0194 | EA | 20" x 15" Supply Grille, Aluminum Drum | 224.50 | 42.03 |
| | | *For Stainless Steel, Add* | *351.13* | |
| 23 37 13 13-0195 | EA | 25" x 15" Supply Grille, Aluminum Drum | 263.74 | 49.04 |
| | | *For Stainless Steel, Add* | *414.20* | |
| 23 37 13 13-0196 | EA | 30" x 15" Supply Grille, Aluminum Drum | 298.63 | 52.23 |
| | | *For Stainless Steel, Add* | *485.50* | |
| 23 37 13 13-0197 | EA | 40" x 15" Supply Grille, Aluminum Drum | 362.50 | 58.60 |
| | | *For Stainless Steel, Add* | *613.35* | |

## 23 37 13 13-0198 Adjustable Shutter Blade Registers *(23 37 13 13-0155)*

Note: Double deflection flat frame aluminum construction.

| | | | | |
|---|---|---|---|---|
| 23 37 13 13-0199 | EA | 6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame | 201.39 | 10.19 |
| | | *For Steel Construction, Deduct* | *-16.19* | |
| | | *For Single Deflection, Deduct* | *-32.38* | |
| | | *For Grille (No Damper), Deduct* | *-24.29* | |
| | | *For Stainless Steel, Add* | *404.80* | |
| 23 37 13 13-0200 | EA | 8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame | 233.77 | 10.19 |
| | | *For Steel Construction, Deduct* | *-19.43* | |
| | | *For Single Deflection, Deduct* | *-38.86* | |
| | | *For Grille (No Damper), Deduct* | *-29.15* | |
| | | *For Stainless Steel, Add* | *485.75* | |
| 23 37 13 13-0201 | EA | 12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame | 247.75 | 14.01 |
| | | *For Steel Construction, Deduct* | *-19.43* | |
| | | *For Single Deflection, Deduct* | *-38.86* | |
| | | *For Grille (No Damper), Deduct* | *-29.15* | |
| | | *For Stainless Steel, Add* | *485.75* | |
| 23 37 13 13-0202 | EA | 10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame | 257.00 | 12.74 |
| | | *For Steel Construction, Deduct* | *-20.36* | |
| | | *For Single Deflection, Deduct* | *-40.71* | |
| | | *For Grille (No Damper), Deduct* | *-30.53* | |
| | | *For Stainless Steel, Add* | *508.88* | |
| 23 37 13 13-0203 | EA | 12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame | 314.76 | 16.56 |
| | | *For Steel Construction, Deduct* | *-24.98* | |
| | | *For Single Deflection, Deduct* | *-49.96* | |
| | | *For Grille (No Damper), Deduct* | *-37.47* | |
| | | *For Stainless Steel, Add* | *624.53* | |
| 23 37 13 13-0204 | EA | 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame | 421.40 | 19.10 |
| | | *For Steel Construction, Deduct* | *-34.23* | |
| | | *For Single Deflection, Deduct* | *-68.47* | |
| | | *For Grille (No Damper), Deduct* | *-51.35* | |
| | | *For Stainless Steel, Add* | *855.85* | |
| 23 37 13 13-0205 | EA | 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame | 500.04 | 20.38 |
| | | *For Steel Construction, Deduct* | *-42.10* | |
| | | *For Single Deflection, Deduct* | *-84.20* | |
| | | *For Grille (No Damper), Deduct* | *-63.15* | |
| | | *For Stainless Steel, Add* | *1,052.45* | |
| 23 37 13 13-0206 | EA | 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame | 617.39 | 25.48 |
| | | *For Steel Construction, Deduct* | *-51.81* | |
| | | *For Single Deflection, Deduct* | *-103.63* | |
| | | *For Grille (No Damper), Deduct* | *-77.72* | |
| | | *For Stainless Steel, Add* | *1,295.33* | |
| 23 37 13 13-0207 | EA | 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame | 858.29 | 26.75 |
| | | *For Steel Construction, Deduct* | *-75.41* | |
| | | *For Single Deflection, Deduct* | *-150.81* | |
| | | *For Grille (No Damper), Deduct* | *-113.11* | |
| | | *For Stainless Steel, Add* | *1,885.18* | |

## 23 37 13 13-0208 Air Conditioning And Ventilation *(23 37 13 13-0155)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 13-0209 | EA | 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction | 106.66 | 26.75 |
| | | *For Stainless Steel, Add* | *133.03* | |
| 23 37 13 13-0210 | EA | 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction | 186.04 | 39.81 |
| | | *For Stainless Steel, Add* | *266.05* | |
| 23 37 13 13-0211 | EA | 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction | 288.83 | 55.73 |
| | | *For Stainless Steel, Add* | *443.43* | |
| 23 37 13 13-0212 | EA | 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction | 738.18 | 76.43 |
| | | *For Stainless Steel, Add* | *1,463.30* | |
| **23 37 13 13-0213** | | **Square Wall Return Air And Exhaust Grilles** *(23 37 13 13-0155)* | | |
| | | Note: Egg crate design aluminum construction. | | |
| 23 37 13 13-0214 | EA | 8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction | 95.79 | 31.91 |
| 23 37 13 13-0215 | EA | 12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction | 105.63 | 31.91 |
| 23 37 13 13-0216 | EA | 18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction | 157.21 | 47.86 |
| 23 37 13 13-0217 | EA | 24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction | 206.41 | 47.86 |
| 23 37 13 13-0218 | EA | 28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction | 349.00 | 63.81 |
| 23 37 13 13-0219 | EA | 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction | 646.19 | 63.69 |
| **23 37 13 13-0220** | | **Rectangular Four-Way Adjustable Deflection Wall Supply Grilles** *(23 37 13 13-0155)* | | |
| | | Note: Aluminum construction. | | |
| 23 37 13 13-0221 | EA | 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction | 284.17 | 22.97 |
| 23 37 13 13-0222 | EA | 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction | 325.80 | 22.97 |
| 23 37 13 13-0223 | EA | 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction | 393.54 | 25.52 |
| 23 37 13 13-0224 | EA | 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction | 467.52 | 25.52 |
| 23 37 13 13-0225 | EA | 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction | 597.32 | 79.76 |
| 23 37 13 13-0226 | EA | 6" x 6" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250 | 109.98 | 38.29 |
| 23 37 13 13-0227 | EA | 8" x 8" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250 | 116.36 | 41.48 |
| 23 37 13 13-0228 | EA | 10" x 10" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250 | 134.68 | 44.67 |
| 23 37 13 13-0229 | EA | 12" x 12" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250 | 144.65 | 47.86 |
| 23 37 13 13-0230 | EA | 14" x 14" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250 | 160.58 | 51.05 |
| **23 37 13 13-0231** | | **Square Ceiling Return Air And Exhaust Grilles** *(23 37 13 13-0155)* | | |
| | | Note: Egg crate design, plastic construction. | | |
| 23 37 13 13-0232 | EA | 24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction | 53.46 | 15.27 |
| 23 37 13 13-0233 | EA | 24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction | 77.95 | 15.40 |
| **23 37 13 13-0234** | | **Door Grilles Sight Proof Inverted Vee Cross Section** *(23 37 13 13-0155)* | | |
| | | Note: Painted steel louvers and frame. | | |
| 23 37 13 13-0235 | EA | 12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel | 158.08 | 22.97 |
| 23 37 13 13-0236 | EA | 12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel | 196.27 | 22.97 |
| 23 37 13 13-0237 | EA | 18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel | 247.16 | 24.25 |
| 23 37 13 13-0238 | EA | 24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel | 344.31 | 28.97 |
| 23 37 13 13-0239 | EA | 24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel | 381.53 | 53.21 |
| **23 37 13 13-0240** | | **Stainless Steel Devices** *(23 37 13 13-0155)* | | |
| **23 37 13 13-0241** | | **304 Stainless Steel, Louvered Partition/Door Grilles** *(23 37 13 13-0240)* | | |
| 23 37 13 13-0242 | SF | Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille | 241.86 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *41.74* | |
| 23 37 13 13-0243 | SF | >4 SF, 304 Stainless Steel, Louvered Partition/Door Grille | 203.78 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *34.12* | |
| **23 37 13 13-0244** | | **304 Stainless Steel, Single Deflection Supply Grilles** *(23 37 13 13-0240)* | | |
| 23 37 13 13-0245 | SF | Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille | 182.68 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *29.90* | |
| 23 37 13 13-0246 | SF | >4 SF, 304 Stainless Steel, Single Deflection Supply Grille | 154.99 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *24.36* | |
| **23 37 13 13-0247** | | **304 Stainless Steel, Double Deflection Supply Grilles** *(23 37 13 13-0240)* | | |
| 23 37 13 13-0248 | SF | Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille | 268.33 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *47.03* | |
| 23 37 13 13-0249 | SF | >4 SF, 304 Stainless Steel, Double Deflection Supply Grille | 228.36 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *39.04* | |
| **23 37 13 13-0250** | | **304 Stainless Steel Return Grilles** *(23 37 13 13-0240)* | | |
| 23 37 13 13-0251 | SF | Up To 4 SF, 304 Stainless Steel Return Grille | 182.68 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *29.90* | |
| 23 37 13 13-0252 | SF | >4 SF, 304 Stainless Steel Return Grille | 154.99 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *24.36* | |
| **23 37 13 13-0253** | | **304 Stainless Steel, Louvered Supply/Return Grilles** *(23 37 13 13-0240)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 13-0254 | SF | Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille | 182.68 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *29.90* | |
| 23 37 13 13-0255 | SF | >4 SF, 304 Stainless Steel, Louvered Supply/Return Grille | 154.99 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *24.36* | |
| **23 37 13 13-0256** | | **304 Stainless Steel, Perforated Return Grilles** *(23 37 13 13-0240)* | | |
| 23 37 13 13-0257 | SF | Up To 4 SF, 304 Stainless Steel, Perforated Return Grille | 182.68 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *29.90* | |
| 23 37 13 13-0258 | SF | >4 SF, 304 Stainless Steel, Perforated Return Grille | 147.38 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *22.84* | |
| **23 37 13 13-0259** | | **304 Stainless Steel, Perforated Supply Grilles** *(23 37 13 13-0240)* | | |
| 23 37 13 13-0260 | SF | Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille | 221.61 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *37.69* | |
| 23 37 13 13-0261 | SF | >4 SF, 304 Stainless Steel, Perforated Supply Grille | 151.43 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *23.65* | |
| **23 37 13 13-0262** | | **304 Stainless Steel, Door Grilles** *(23 37 13 13-0240)* | | |
| 23 37 13 13-0263 | SF | Up To 4 SF, 304 Stainless Steel, Door Grille | 332.18 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *59.80* | |
| 23 37 13 13-0264 | SF | >4 SF, 304 Stainless Steel, Door Grille | 276.82 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *48.73* | |
| **23 37 13 13-0265** | | **304 Stainless Steel, Linear Bar Grilles** *(23 37 13 13-0240)* | | |
| 23 37 13 13-0266 | SF | Up To 4 SF, 304 Stainless Steel, Linear Bar Grille | 425.10 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *78.38* | |
| 23 37 13 13-0267 | SF | >4 SF, 304 Stainless Steel, Linear Bar Grille | 363.67 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *66.10* | |
| **23 37 13 13-0268** | | **304 Stainless Steel, Hinged Filter Grilles** *(23 37 13 13-0240)* | | |
| 23 37 13 13-0269 | SF | Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille | 311.94 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *55.75* | |
| 23 37 13 13-0270 | SF | >4 SF, 304 Stainless Steel, Hinged Filter Grille | 215.05 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *36.37* | |
| **23 37 13 13-0271** | | **304 Stainless Steel, Opposed Blade Dampers Grilles** *(23 37 13 13-0240)* | | |
| 23 37 13 13-0272 | SF | Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille | 167.11 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *26.79* | |
| 23 37 13 13-0273 | SF | Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF | 126.80 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *18.72* | |
| **23 37 13 13-0274** | | **304 Stainless Steel, Plaster Frames Replacement** *(23 37 13 13-0240)* | | |
| | | Note: For frequent replacement. | | |
| 23 37 13 13-0275 | SF | To 4 SF, 304 Stainless Steel, Plaster Frames Replacement | 129.73 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *19.31* | |
| 23 37 13 13-0276 | SF | >4 SF, 304 Stainless Steel, Plaster Frames Replacement | 67.96 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *6.96* | |
| **23 37 13 13-0277** | | **304 Stainless Steel, Modular Louvered Ceiling Diffusers** *(23 37 13 13-0240)* | | |
| 23 37 13 13-0278 | SF | Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser | 307.27 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *54.82* | |
| 23 37 13 13-0279 | SF | >4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser | 239.96 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *41.36* | |
| **23 37 13 13-0280** | | **304 Stainless Steel, Latticed Supply/Return Grilles** *(23 37 13 13-0240)* | | |
| 23 37 13 13-0281 | SF | Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille | 106.37 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *14.64* | |
| 23 37 13 13-0282 | SF | >4 SF, 304 Stainless Steel, Latticed Supply/Return Grille | 106.37 | 19.90 |
| | | *For 316 Stainless Steel, Add* | *14.64* | |
| **23 37 13 13-0283** | | **Removal And Reinstallation Of Distribution Devices** *(23 37 13 13)* | | |
| | | Note: Includes storage and cleaning. Excludes ductwork. | | |
| 23 37 13 13-0284 | EA | Removal And Reinstallation Of Variable Air Volume Terminal Unit | 238.84 | |
| 23 37 13 13-0285 | EA | Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit | 263.43 | |
| 23 37 13 13-0286 | EA | Removal And Reinstallation Of Lay-in Diffuser/Register/Grille | 39.48 | |
| 23 37 13 13-0287 | EA | Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille | 53.47 | |

## 23 37 13 43 Security Registers and Grilles *(23 37 13)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 43-0001 | | **Security Supply Or Return Grille** *(23 37 13 43)*<br>Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish. | | |
| 23 37 13 43-0002 | EA | 8" x 4" Steel Security Grille | 299.22 | 19.14 |
| | | *For Anchoring Tabs, Add* | *26.09* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *95.15* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *65.23* | |
| | | *For Stainless Steel, Add* | *339.21* | |
| 23 37 13 43-0003 | EA | 8" x 6" Steel Security Grille | 332.11 | 19.78 |
| | | *For Anchoring Tabs, Add* | *29.26* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *106.35* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *73.14* | |
| | | *For Stainless Steel, Add* | *380.32* | |
| 23 37 13 43-0004 | EA | 8" x 8" Steel Security Grille | 380.71 | 22.33 |
| | | *For Anchoring Tabs, Add* | *33.60* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *122.08* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *84.01* | |
| | | *For Stainless Steel, Add* | *436.85* | |
| 23 37 13 43-0005 | EA | 10" x 4" Steel Security Grille | 331.99 | 21.69 |
| | | *For Anchoring Tabs, Add* | *28.86* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *105.35* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *72.15* | |
| | | *For Stainless Steel, Add* | *375.18* | |
| 23 37 13 43-0006 | EA | 10" x 6" Steel Security Grille | 354.31 | 22.97 |
| | | *For Anchoring Tabs, Add* | *30.84* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *112.52* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *77.09* | |
| | | *For Stainless Steel, Add* | *400.88* | |
| 23 37 13 43-0007 | EA | 10" x 8" Steel Security Grille | 405.58 | 24.88 |
| | | *For Anchoring Tabs, Add* | *35.58* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *129.51* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *88.95* | |
| | | *For Stainless Steel, Add* | *462.55* | |
| 23 37 13 43-0008 | EA | 10" x 10" Steel Security Grille | 452.89 | 26.80 |
| | | *For Anchoring Tabs, Add* | *39.93* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *145.11* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *99.83* | |
| | | *For Stainless Steel, Add* | *519.09* | |
| 23 37 13 43-0009 | EA | 12" x 4" Steel Security Grille | 348.95 | 24.25 |
| | | *For Anchoring Tabs, Add* | *30.05* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *110.01* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *75.12* | |
| | | *For Stainless Steel, Add* | *390.60* | |
| 23 37 13 43-0010 | EA | 12" x 6" Steel Security Grille | 389.63 | 26.80 |
| | | *For Anchoring Tabs, Add* | *33.60* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *122.97* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *84.01* | |
| | | *For Stainless Steel, Add* | *436.85* | |
| 23 37 13 43-0011 | EA | 12" x 8" Steel Security Grille | 444.87 | 28.71 |
| | | *For Anchoring Tabs, Add* | *38.74* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *141.35* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *96.86* | |
| | | *For Stainless Steel, Add* | *503.67* | |
| 23 37 13 43-0012 | EA | 12" x 10" Steel Security Grille | 484.27 | 30.63 |
| | | *For Anchoring Tabs, Add* | *42.30* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *154.18* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *105.76* | |
| | | *For Stainless Steel, Add* | *549.93* | |
| 23 37 13 43-0013 | EA | 12" x 12" Steel Security Grille | 535.54 | 32.54 |
| | | *For Anchoring Tabs, Add* | *47.05* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *171.17* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *117.62* | |
| | | *For Stainless Steel, Add* | *611.60* | |
| 23 37 13 43-0014 | EA | 14" x 4" Steel Security Grille | 372.54 | 26.16 |
| | | *For Anchoring Tabs, Add* | *32.02* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *117.31* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *80.06* | |
| | | *For Stainless Steel, Add* | *416.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 43-0015 | EA | 14" x 6" Steel Security Grille | 419.87 | 28.07 |
| | | *For Anchoring Tabs, Add* | *36.37* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *132.92* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *90.93* | |
| | | *For Stainless Steel, Add* | *472.84* | |
| 23 37 13 43-0016 | EA | 14" x 8" Steel Security Grille | 468.45 | 30.63 |
| | | *For Anchoring Tabs, Add* | *40.72* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *148.65* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *101.80* | |
| | | *For Stainless Steel, Add* | *529.36* | |
| 23 37 13 43-0017 | EA | 14" x 10" Steel Security Grille | 528.90 | 33.18 |
| | | *For Anchoring Tabs, Add* | *46.26* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *168.53* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *115.64* | |
| | | *For Stainless Steel, Add* | *601.32* | |
| 23 37 13 43-0018 | EA | 14" x 12" Steel Security Grille | 582.72 | 36.37 |
| | | *For Anchoring Tabs, Add* | *51.00* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *185.77* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *127.50* | |
| | | *For Stainless Steel, Add* | *662.99* | |
| 23 37 13 43-0019 | EA | 14" x 14" Steel Security Grille | 627.37 | 38.92 |
| | | *For Anchoring Tabs, Add* | *54.95* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *200.12* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *137.38* | |
| | | *For Stainless Steel, Add* | *714.39* | |
| 23 37 13 43-0020 | EA | 16" x 6" Steel Security Grille | 448.69 | 30.63 |
| | | *For Anchoring Tabs, Add* | *38.74* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *141.73* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *96.86* | |
| | | *For Stainless Steel, Add* | *503.67* | |
| 23 37 13 43-0021 | EA | 16" x 8" Steel Security Grille | 513.09 | 33.18 |
| | | *For Anchoring Tabs, Add* | *44.67* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *162.99* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *111.69* | |
| | | *For Stainless Steel, Add* | *580.76* | |
| 23 37 13 43-0022 | EA | 16" x 10" Steel Security Grille | 553.77 | 35.73 |
| | | *For Anchoring Tabs, Add* | *48.23* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *175.96* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *120.58* | |
| | | *For Stainless Steel, Add* | *627.02* | |
| 23 37 13 43-0023 | EA | 16" x 12" Steel Security Grille | 624.82 | 37.64 |
| | | *For Anchoring Tabs, Add* | *54.95* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *199.86* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *137.38* | |
| | | *For Stainless Steel, Add* | *714.39* | |
| 23 37 13 43-0024 | EA | 16" x 14" Steel Security Grille | 661.55 | 40.20 |
| | | *For Anchoring Tabs, Add* | *58.12* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *211.45* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *145.29* | |
| | | *For Stainless Steel, Add* | *755.51* | |
| 23 37 13 43-0025 | EA | 16" x 16" Steel Security Grille | 718.04 | 42.75 |
| | | *For Anchoring Tabs, Add* | *63.26* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *229.94* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *158.14* | |
| | | *For Stainless Steel, Add* | *822.32* | |
| 23 37 13 43-0026 | EA | 18" x 6" Steel Security Grille | 476.11 | 34.45 |
| | | *For Anchoring Tabs, Add* | *40.72* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *149.41* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *101.80* | |
| | | *For Stainless Steel, Add* | *529.36* | |
| 23 37 13 43-0027 | EA | 18" x 8" Steel Security Grille | 544.47 | 37.01 |
| | | *For Anchoring Tabs, Add* | *47.05* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *172.06* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *117.62* | |
| | | *For Stainless Steel, Add* | *611.60* | |
| 23 37 13 43-0028 | EA | 18" x 10" Steel Security Grille | 597.02 | 39.56 |
| | | *For Anchoring Tabs, Add* | *51.79* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *189.18* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *129.48* | |
| | | *For Stainless Steel, Add* | *673.27* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 43-0029 | EA | 18" x 12" Steel Security Grille | 657.47 | 42.11 |
| | | *For Anchoring Tabs, Add* | *57.33* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *209.06* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *143.31* | |
| | | *For Stainless Steel, Add* | *745.23* | |
| 23 37 13 43-0030 | EA | 18" x 14" Steel Security Grille | 703.63 | 41.48 |
| | | *For Anchoring Tabs, Add* | *62.07* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *225.54* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *155.17* | |
| | | *For Stainless Steel, Add* | *806.90* | |
| 23 37 13 43-0031 | EA | 18" x 16" Steel Security Grille | 770.73 | 43.39 |
| | | *For Anchoring Tabs, Add* | *68.40* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *248.06* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *170.99* | |
| | | *For Stainless Steel, Add* | *889.14* | |
| 23 37 13 43-0032 | EA | 18" x 18" Steel Security Grille | 825.94 | 45.30 |
| | | *For Anchoring Tabs, Add* | *73.53* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *266.43* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *183.84* | |
| | | *For Stainless Steel, Add* | *955.94* | |
| 23 37 13 43-0033 | EA | 20" x 6" Steel Security Grille | 510.17 | 37.64 |
| | | *For Anchoring Tabs, Add* | *43.49* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *159.74* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *108.72* | |
| | | *For Stainless Steel, Add* | *565.34* | |
| 23 37 13 43-0034 | EA | 20" x 8" Steel Security Grille | 577.12 | 41.48 |
| | | *For Anchoring Tabs, Add* | *49.42* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *181.26* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *123.55* | |
| | | *For Stainless Steel, Add* | *642.43* | |
| 23 37 13 43-0035 | EA | 20" x 10" Steel Security Grille | 636.31 | 43.39 |
| | | *For Anchoring Tabs, Add* | *54.95* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *201.01* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *137.38* | |
| | | *For Stainless Steel, Add* | *714.39* | |
| 23 37 13 43-0036 | EA | 20" x 12" Steel Security Grille | 700.71 | 45.95 |
| | | *For Anchoring Tabs, Add* | *60.88* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *222.28* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *152.21* | |
| | | *For Stainless Steel, Add* | *791.48* | |
| 23 37 13 43-0037 | EA | 20" x 14" Steel Security Grille | 771.74 | 47.86 |
| | | *For Anchoring Tabs, Add* | *67.60* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *246.18* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *169.01* | |
| | | *For Stainless Steel, Add* | *878.85* | |
| 23 37 13 43-0038 | EA | 20" x 16" Steel Security Grille | 834.87 | 49.77 |
| | | *For Anchoring Tabs, Add* | *73.53* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *267.32* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *183.84* | |
| | | *For Stainless Steel, Add* | *955.94* | |
| 23 37 13 43-0039 | EA | 20" x 18" Steel Security Grille | 894.05 | 51.68 |
| | | *For Anchoring Tabs, Add* | *79.07* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *287.08* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *197.67* | |
| | | *For Stainless Steel, Add* | *1,027.90* | |
| 23 37 13 43-0040 | EA | 20" x 20" Steel Security Grille | 965.09 | 53.59 |
| | | *For Anchoring Tabs, Add* | *85.79* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *310.98* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *214.48* | |
| | | *For Stainless Steel, Add* | *1,115.27* | |
| 23 37 13 43-0041 | EA | 24" x 6" Steel Security Grille | 566.53 | 42.11 |
| | | *For Anchoring Tabs, Add* | *48.23* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *177.23* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *120.58* | |
| | | *For Stainless Steel, Add* | *627.02* | |
| 23 37 13 43-0042 | EA | 24" x 8" Steel Security Grille | 641.40 | 45.95 |
| | | *For Anchoring Tabs, Add* | *54.95* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *201.52* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *137.38* | |
| | | *For Stainless Steel, Add* | *714.39* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 13 43-0043 | EA | 24" x 10" Steel Security Grille | 703.26 | 47.21 |
| | | *For Anchoring Tabs, Add* | *60.88* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *222.53* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *152.21* | |
| | | *For Stainless Steel, Add* | *791.48* | |
| 23 37 13 43-0044 | EA | 24" x 12" Steel Security Grille | 788.58 | 52.32 |
| | | *For Anchoring Tabs, Add* | *68.40* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *249.85* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *170.99* | |
| | | *For Stainless Steel, Add* | *889.14* | |
| 23 37 13 43-0045 | EA | 24" x 14" Steel Security Grille | 851.70 | 54.24 |
| | | *For Anchoring Tabs, Add* | *74.33* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *270.98* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *185.81* | |
| | | *For Stainless Steel, Add* | *966.23* | |
| 23 37 13 43-0046 | EA | 24" x 16" Steel Security Grille | 930.64 | 56.15 |
| | | *For Anchoring Tabs, Add* | *81.84* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *297.65* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *204.59* | |
| | | *For Stainless Steel, Add* | *1,063.87* | |
| 23 37 13 43-0047 | EA | 24" x 18" Steel Security Grille | 1,021.44 | 58.06 |
| | | *For Anchoring Tabs, Add* | *90.53* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *328.48* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *226.34* | |
| | | *For Stainless Steel, Add* | *1,176.94* | |
| 23 37 13 43-0048 | EA | 24" x 20" Steel Security Grille | 1,084.56 | 59.98 |
| | | *For Anchoring Tabs, Add* | *96.46* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *349.62* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *241.16* | |
| | | *For Stainless Steel, Add* | *1,254.03* | |
| 23 37 13 43-0049 | EA | 24" x 24" Steel Security Grille | 1,218.73 | 63.81 |
| | | *For Anchoring Tabs, Add* | *109.12* | |
| | | *For Rear Operated Opposed Blade Damper, Add* | *394.66* | |
| | | *For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add* | *0.35* | |
| | | *For 1" x 1" Square Holes On Face, Add* | *272.79* | |
| | | *For Stainless Steel, Add* | *1,418.50* | |

## 23 37 23 HVAC Gravity Ventilators *(23 37)*

### 23 37 23 13 HVAC Gravity Dome Ventilators *(23 37 23)*

#### 23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood *(23 37 23 13)*

Note: Includes flange base and bird screen. Excludes curb.

| | | | | |
|---|---|---|---|---|
| 23 37 23 13-0002 | EA | 8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 1,244.69 | 73.88 |
| 23 37 23 13-0003 | EA | 8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 1,313.36 | 84.58 |
| 23 37 23 13-0004 | EA | 8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 1,642.29 | 105.21 |
| 23 37 23 13-0005 | EA | 8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 1,749.34 | 111.97 |
| 23 37 23 13-0006 | EA | 8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,042.64 | 130.32 |
| 23 37 23 13-0007 | EA | 10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 1,468.66 | 84.08 |
| 23 37 23 13-0008 | EA | 12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 1,614.30 | 94.78 |
| 23 37 23 13-0009 | EA | 12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 1,877.55 | 101.90 |
| 23 37 23 13-0010 | EA | 12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,037.43 | 123.51 |
| 23 37 23 13-0011 | EA | 12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,350.08 | 132.48 |
| 23 37 23 13-0012 | EA | 12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,662.48 | 140.63 |
| 23 37 23 13-0013 | EA | 14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 1,756.83 | 95.92 |
| 23 37 23 13-0014 | EA | 14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,002.02 | 109.29 |
| 23 37 23 13-0015 | EA | 14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,247.20 | 122.67 |
| 23 37 23 13-0016 | EA | 14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,533.13 | 138.34 |
| 23 37 23 13-0017 | EA | 14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,860.07 | 156.18 |
| 23 37 23 13-0018 | EA | 16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,124.50 | 116.04 |
| 23 37 23 13-0019 | EA | 16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,206.26 | 120.50 |
| 23 37 23 13-0020 | EA | 16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,451.42 | 133.88 |
| 23 37 23 13-0021 | EA | 16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,778.24 | 151.72 |
| 23 37 23 13-0022 | EA | 16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 3,105.05 | 169.54 |
| 23 37 23 13-0023 | EA | 16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 3,554.50 | 194.13 |
| 23 37 23 13-0024 | EA | 18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,112.14 | 114.39 |
| 23 37 23 13-0025 | EA | 18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,457.71 | 133.12 |
| 23 37 23 13-0026 | EA | 18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,803.41 | 151.84 |
| 23 37 23 13-0027 | EA | 18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 3,187.41 | 172.60 |
| 23 37 23 13-0028 | EA | 18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 3,533.00 | 191.32 |
| 23 37 23 13-0029 | EA | 20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,216.00 | 126.88 |
| 23 37 23 13-0030 | EA | 20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,506.55 | 143.56 |
| 23 37 23 13-0031 | EA | 20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,797.23 | 160.12 |
| 23 37 23 13-0032 | EA | 20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 3,233.18 | 185.08 |
| 23 37 23 13-0033 | EA | 20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 3,560.09 | 203.82 |
| 23 37 23 13-0034 | EA | 24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 2,791.37 | 170.57 |
| 23 37 23 13-0035 | EA | 24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 3,097.69 | 189.29 |
| 23 37 23 13-0036 | EA | 24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 3,540.27 | 216.30 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 37 23 13-0037 | EA | 24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 3,880.66 | 237.06 |
| 23 37 23 13-0038 | EA | 24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 4,255.12 | 259.99 |
| 23 37 23 13-0039 | EA | 30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 3,360.50 | 194.13 |
| 23 37 23 13-0040 | EA | 30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 3,702.78 | 213.87 |
| 23 37 23 13-0041 | EA | 30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 4,076.26 | 235.40 |
| 23 37 23 13-0042 | EA | 30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 4,449.62 | 257.06 |
| 23 37 23 13-0043 | EA | 30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 5,414.16 | 312.72 |
| 23 37 23 13-0044 | EA | 30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 5,787.65 | 334.25 |
| 23 37 23 13-0045 | EA | 36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 3,872.34 | 240.88 |
| 23 37 23 13-0046 | EA | 36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 4,247.94 | 264.19 |
| 23 37 23 13-0047 | EA | 36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 5,085.98 | 316.29 |
| 23 37 23 13-0048 | EA | 36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 5,663.88 | 352.21 |
| 23 37 23 13-0049 | EA | 36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 6,010.74 | 373.87 |
| 23 37 23 13-0050 | EA | 36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 6,473.07 | 402.53 |
| 23 37 23 13-0051 | EA | 36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 7,282.23 | 452.84 |
| 23 37 23 13-0052 | EA | 42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 4,623.20 | 269.67 |
| 23 37 23 13-0053 | EA | 42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 5,739.98 | 334.76 |
| 23 37 23 13-0054 | EA | 42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 6,545.21 | 381.76 |
| 23 37 23 13-0055 | EA | 42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 6,778.89 | 395.39 |
| 23 37 23 13-0056 | EA | 42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 7,558.09 | 440.75 |
| 23 37 23 13-0057 | EA | 42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 8,311.28 | 484.69 |
| 23 37 23 13-0058 | EA | 48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 6,098.13 | 389.28 |
| 23 37 23 13-0059 | EA | 48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 6,596.51 | 421.13 |
| 23 37 23 13-0060 | EA | 48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 7,094.76 | 452.98 |
| 23 37 23 13-0061 | EA | 48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 7,877.79 | 502.91 |
| 23 37 23 13-0062 | EA | 48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 8,345.58 | 509.53 |
| 23 37 23 13-0063 | EA | 54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 7,080.98 | 438.83 |
| 23 37 23 13-0064 | EA | 54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 7,942.79 | 492.21 |
| 23 37 23 13-0065 | EA | 54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 8,618.33 | 534.11 |
| 23 37 23 13-0066 | EA | 54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 9,177.25 | 568.77 |
| 23 37 23 13-0067 | EA | 60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 8,826.08 | 546.34 |
| 23 37 23 13-0068 | EA | 60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 9,267.15 | 582.40 |
| 23 37 23 13-0069 | EA | 60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 9,933.76 | 627.11 |
| 23 37 23 13-0070 | EA | 66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 9,256.11 | 630.04 |
| 23 37 23 13-0071 | EA | 66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 10,823.95 | 736.78 |
| 23 37 23 13-0072 | EA | 72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) | 11,173.63 | 679.33 |
| 23 37 23 13-0073 | | Round Gravity Relief Ventilator Hood *(23 37 23 13)* | | |
| | | Note: Includes integral birdscreen and built-in curb cap with prepunched holes. | | |
| 23 37 23 13-0074 | EA | 22" x 22" Base/Panel, 12" x 12" Throat, Aluminum, Gravity Intake/Relief Ventilator Hood (Greenheck GRS) | 768.32 | 94.78 |

## 23 38 Ventilation Hoods *(23 30)*

### 23 38 13 Commercial-Kitchen Hoods *(23 38)*

#### 23 38 13 13 Listed Commercial-Kitchen Hoods *(23 38 13)*

| | | | | |
|---|---|---|---|---|
| 23 38 13 13-0001 | | Universal Ventless Hood *(23 38 13 13)* | | |
| 23 38 13 13-0002 | EA | 109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96) | 54,335.72 | 496.49 |

#### 23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*

| | | | | |
|---|---|---|---|---|
| 23 38 13 16-0001 | | Commercial Kitchen Hood Ventilation System *(23 38 13 16)* | | |
| | | Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans. | | |
| 23 38 13 16-0002 | | Dry Filter Exhaust Hoods *(23 38 13 16-0001)* | | |
| | | Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures. | | |
| 23 38 13 16-0003 | EA | 8' Long x 60" Deep Dry Filter Exhaust Hood | 12,770.13 | 931.51 |
| 23 38 13 16-0004 | EA | 8'-6" Long x 60" Deep Dry Filter Exhaust Hood | 13,298.81 | 989.74 |
| 23 38 13 16-0005 | EA | 9' Long x 60" Deep Dry Filter Exhaust Hood | 14,844.74 | 1,047.95 |
| 23 38 13 16-0006 | EA | 9'-6" Long x 60" Deep Dry Filter Exhaust Hood | 15,289.16 | 1,106.17 |
| 23 38 13 16-0007 | EA | 10' Long x 60" Deep Dry Filter Exhaust Hood | 15,832.93 | 1,164.39 |
| 23 38 13 16-0008 | EA | 10'-6" Long x 60" Deep Dry Filter Exhaust Hood | 16,408.48 | 1,222.61 |
| 23 38 13 16-0009 | EA | 11' Long x 60" Deep Dry Filter Exhaust Hood | 16,952.95 | 1,280.83 |
| 23 38 13 16-0010 | EA | 11'-6" Long x 60" Deep Dry Filter Exhaust Hood | 17,514.42 | 1,339.04 |
| 23 38 13 16-0011 | EA | 12' Long x 60" Deep Dry Filter Exhaust Hood | 18,140.70 | 1,397.27 |
| 23 38 13 16-0012 | EA | 12'-6" Long x 60" Deep Dry Filter Exhaust Hood | 18,682.25 | 1,455.49 |
| 23 38 13 16-0013 | EA | 13' Long x 60" Deep Dry Filter Exhaust Hood | 19,127.81 | 1,513.71 |
| 23 38 13 16-0014 | EA | 13'-6" Long x 60" Deep Dry Filter Exhaust Hood | 19,887.55 | 1,571.93 |
| 23 38 13 16-0015 | EA | 14' Long x 60" Deep Dry Filter Exhaust Hood | 22,283.21 | 1,630.15 |
| 23 38 13 16-0016 | EA | 14'-6" Long x 60" Deep Dry Filter Exhaust Hood | 22,880.02 | 1,688.36 |
| 23 38 13 16-0017 | EA | 15" Long x 60" Deep Dry Filter Exhaust Hood | 23,696.94 | 1,746.58 |
| 23 38 13 16-0018 | EA | 15'-6" Long x 60" Deep Dry Filter Exhaust Hood | 24,307.78 | 1,804.81 |
| 23 38 13 16-0019 | EA | 16' Long x 60" Deep Dry Filter Exhaust Hood | 25,228.13 | 1,863.03 |
| 23 38 13 16-0020 | | Dry Extractor Exhaust Hoods *(23 38 13 16-0001)* | | |
| | | Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels. | | |
| 23 38 13 16-0021 | EA | 8' Long x 60" Deep Dry Extractor Exhaust Hood | 17,961.51 | 931.51 |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 38 13 16-0022 | EA | 8'-6" Long x 60" Deep Dry Extractor Exhaust Hood | 18,523.05 | 989.74 |
| 23 38 13 16-0023 | EA | 9' Long x 60" Deep Dry Extractor Exhaust Hood | 20,167.54 | 1,047.95 |
| 23 38 13 16-0024 | EA | 9'-6" Long x 60" Deep Dry Extractor Exhaust Hood | 20,743.40 | 1,106.17 |
| 23 38 13 16-0025 | EA | 10' Long x 60" Deep Dry Extractor Exhaust Hood | 21,320.02 | 1,164.39 |
| 23 38 13 16-0026 | EA | 10'-6" Long x 60" Deep Dry Extractor Exhaust Hood | 21,862.71 | 1,222.61 |
| 23 38 13 16-0027 | EA | 11' Long x 60" Deep Dry Extractor Exhaust Hood | 22,440.04 | 1,280.83 |
| 23 38 13 16-0028 | EA | 11'-6" Long x 60" Deep Dry Extractor Exhaust Hood | 22,985.08 | 1,339.04 |
| 23 38 13 16-0029 | EA | 12' Long x 60" Deep Dry Extractor Exhaust Hood | 23,496.37 | 1,397.27 |
| 23 38 13 16-0030 | EA | 12'-6" Long x 60" Deep Dry Extractor Exhaust Hood | 24,235.06 | 1,455.49 |
| 23 38 13 16-0031 | EA | 13' Long x 60" Deep Dry Extractor Exhaust Hood | 25,091.32 | 1,513.71 |
| 23 38 13 16-0032 | EA | 13'-6" Long x 60" Deep Dry Extractor Exhaust Hood | 25,998.92 | 1,571.93 |
| 23 38 13 16-0033 | EA | 14' Long x 60" Deep Dry Extractor Exhaust Hood | 27,918.15 | 1,630.15 |
| 23 38 13 16-0034 | EA | 14'-6" Long x 60" Deep Dry Extractor Exhaust Hood | 28,843.54 | 1,688.36 |
| 23 38 13 16-0035 | EA | 15" Long x 60" Deep Dry Extractor Exhaust Hood | 30,662.59 | 1,746.58 |
| 23 38 13 16-0036 | EA | 15'-6" Long x 60" Deep Dry Extractor Exhaust Hood | 32,505.55 | 1,804.81 |
| 23 38 13 16-0037 | EA | 16' Long x 60" Deep Dry Extractor Exhaust Hood | 34,329.47 | 1,863.03 |
| 23 38 13 16-0038 | | **Single Manifold Water Wash Exhaust Hoods** *(23 38 13 16-0001)*<br>Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel. | | |
| 23 38 13 16-0039 | EA | 8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 19,275.78 | 931.51 |
| 23 38 13 16-0040 | EA | 8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 19,870.18 | 989.74 |
| 23 38 13 16-0041 | EA | 9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 21,547.53 | 1,047.95 |
| 23 38 13 16-0042 | EA | 9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 22,139.81 | 1,106.17 |
| 23 38 13 16-0043 | EA | 10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 22,765.72 | 1,164.39 |
| 23 38 13 16-0044 | EA | 10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 23,341.27 | 1,222.61 |
| 23 38 13 16-0045 | EA | 11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 23,935.02 | 1,280.83 |
| 23 38 13 16-0046 | EA | 11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 24,529.36 | 1,339.04 |
| 23 38 13 16-0047 | EA | 12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 25,057.07 | 1,397.27 |
| 23 38 13 16-0048 | EA | 12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 25,861.47 | 1,455.49 |
| 23 38 13 16-0049 | EA | 13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 26,783.45 | 1,513.71 |
| 23 38 13 16-0050 | EA | 13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 27,756.76 | 1,571.93 |
| 23 38 13 16-0051 | EA | 14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 29,741.71 | 1,630.15 |
| 23 38 13 16-0052 | EA | 14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 30,732.80 | 1,688.36 |
| 23 38 13 16-0053 | EA | 15" Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 32,732.57 | 1,746.58 |
| 23 38 13 16-0054 | EA | 15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 33,721.26 | 1,804.81 |
| 23 38 13 16-0055 | EA | 16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood | 34,707.32 | 1,863.03 |
| 23 38 13 16-0056 | EA | Fan Wash Control Panel<br>Note: Includes time clock and backflow preventer. | 13,872.76 | 465.75 |
| 23 38 13 16-0057 | | **Utility Distribution System (UDS)** *(23 38 13 16-0001)*<br>Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker. | | |
| 23 38 13 16-0058 | EA | 8' Long Utility Distribution System (UDS) | 36,951.49 | 473.68 |
| 23 38 13 16-0059 | EA | 8'-6" Long Utility Distribution System (UDS) | 38,042.51 | 485.21 |
| 23 38 13 16-0060 | EA | 9' Long Utility Distribution System (UDS) | 39,121.66 | 496.49 |
| 23 38 13 16-0061 | EA | 9'-6" Long Utility Distribution System (UDS) | 40,210.02 | 512.33 |
| 23 38 13 16-0062 | EA | 10' Long Utility Distribution System (UDS) | 41,291.80 | 524.91 |
| 23 38 13 16-0063 | EA | 10'-6" Long Utility Distribution System (UDS) | 42,363.36 | 538.18 |
| 23 38 13 16-0064 | EA | 11' Long Utility Distribution System (UDS) | 43,449.82 | 547.38 |
| 23 38 13 16-0065 | EA | 11'-6" Long Utility Distribution System (UDS) | 44,535.20 | 561.82 |
| 23 38 13 16-0066 | EA | 12' Long Utility Distribution System (UDS) | 45,632.65 | 582.20 |
| 23 38 13 16-0067 | EA | 12'-6" Long Utility Distribution System (UDS) | 46,744.68 | 609.90 |
| 23 38 13 16-0068 | EA | 13' Long Utility Distribution System (UDS) | 47,837.13 | 627.84 |
| 23 38 13 16-0069 | EA | 13'-6" Long Utility Distribution System (UDS) | 48,944.97 | 653.45 |
| 23 38 13 16-0070 | EA | 14' Long Utility Distribution System (UDS) | 50,042.82 | 674.06 |
| 23 38 13 16-0071 | EA | 14'-6" Long Utility Distribution System (UDS) | 51,143.36 | 696.08 |
| 23 38 13 16-0072 | EA | 15' Long Utility Distribution System (UDS) | 52,246.88 | 719.59 |
| 23 38 13 16-0073 | EA | 15'-6" Long Utility Distribution System (UDS) | 53,353.65 | 744.63 |
| 23 38 13 16-0074 | EA | 16' Long Utility Distribution System (UDS) | 54,445.70 | 762.44 |
| 23 38 13 16-0075 | | **Stainless Steel Exhaust Hood Material** *(23 38 13 16)*<br>Note: Welded seams. | | |
| 23 38 13 16-0076 | SF | 16 Gauge, Type 304, Stainless Steel Exhaust Hood Material | 50.84 | 16.88 |
| | | *For Type 316 Stainless Steel, Add* | *1.58* | |
| 23 38 13 16-0077 | SF | 14 Gauge, Type 304, Stainless Steel Exhaust Hood Material | 63.54 | 22.50 |
| | | *For Type 316 Stainless Steel, Add* | *1.98* | |
| 23 38 13 16-0078 | SF | 12 Gauge, Type 304, Stainless Steel Exhaust Hood Material | 88.26 | 30.38 |
| | | *For Type 316 Stainless Steel, Add* | *2.77* | |
| 23 38 13 16-0079 | SF | 10 Gauge, Type 304, Stainless Steel Exhaust Hood Material | 110.58 | 37.13 |
| | | *For Type 316 Stainless Steel, Add* | *3.56* | |
| 23 38 13 16-0080 | | **Kitchen Exhaust Hood** *(23 38 13 16)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 38 13 16-0081 | EA | 10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048) | 10,961.68 | 2,350.55 |
| | | Note: Ductwork connections by others. | | |
| | | *For Type 316 Stainless Steel, Add* | *626.06* | |
| 23 38 13 16-0082 | EA | 8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848) | 10,021.47 | 1,880.43 |
| | | Note: Ductwork connections by others. | | |
| | | *For Type 316 Stainless Steel, Add* | *626.06* | |
| 23 38 13 16-0083 | EA | 4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448) | 5,447.77 | 940.22 |
| | | Note: Ductwork connections by others. | | |
| | | *For Type 316 Stainless Steel, Add* | *356.73* | |
| 23 38 13 16-0084 | EA | 6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648) | 6,999.34 | 1,410.33 |
| | | Note: Ductwork connections by others. | | |
| | | *For Type 316 Stainless Steel, Add* | *417.87* | |
| 23 38 13 16-0085 | EA | 5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548) | 6,314.44 | 1,175.27 |
| | | Note: Ductwork connections by others. | | |
| | | *For Type 316 Stainless Steel, Add* | *396.39* | |

# 23 40 HVAC Air Cleaning Devices *(23)*

## 23 41 Particulate Air Filtration *(23 40)*

### 23 41 13 Panel Air Filters *(23 41)*

#### 23 41 13 00-0001 Disposable Air Filters *(23 41 13)*

| | | | | |
|---|---|---|---|---|
| 23 41 13 00-0002 | EA | Throwaway Glass Or Paper Media Filter, Residential | 13.82 | |

#### 23 41 13 00-0003 Disposable Fiberglass Air Filters *(23 41 13)*

| | | | | |
|---|---|---|---|---|
| 23 41 13 00-0004 | EA | 8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 | 13.96 | 6.13 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0005 | EA | 8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 | 13.96 | 6.13 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0006 | EA | 8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 | 13.66 | 6.13 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0007 | EA | 10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5 | 13.56 | 6.41 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0008 | EA | 10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 | 13.56 | 6.41 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0009 | EA | 10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 | 13.56 | 6.41 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0010 | EA | 10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 | 13.56 | 6.41 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0011 | EA | 10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 | 13.80 | 6.41 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0012 | EA | 12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5 | 14.33 | 6.70 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0013 | EA | 12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 | 14.31 | 6.70 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0014 | EA | 12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 | 13.63 | 6.70 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0015 | EA | 12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 | 13.63 | 6.70 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0016 | EA | 12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 | 13.63 | 6.70 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0017 | EA | 12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 | 16.27 | 6.70 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0018 | EA | 12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 | 19.28 | 6.70 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0019 | EA | 14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5 | 15.42 | 7.08 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0020 | EA | 14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 | 17.94 | 7.08 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0021 | EA | 14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 | 14.45 | 7.08 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0022 | EA | 14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 | 15.42 | 7.08 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0023 | EA | 14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 | 14.45 | 7.08 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0024 | EA | 14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 | 16.33 | 7.08 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0025 | EA | 15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 | 14.63 | 7.28 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0026 | EA | 15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 | 14.63 | 7.28 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0027 | EA | 15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 | 19.03 | 7.28 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0028 | EA | 16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 | 14.79 | 7.37 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0029 | EA | 16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 | 16.43 | 7.37 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |
| 23 41 13 00-0030 | EA | 16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 | 14.84 | 7.37 |
| | | Note: One-piece kraft fiberboard frame with two metal grids. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 41 13 00-0031 | EA | 16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 15.81 | 7.37 |
| 23 41 13 00-0032 | EA | 16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 14.21 | 7.37 |
| 23 41 13 00-0033 | EA | 16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 19.17 | 7.37 |
| 23 41 13 00-0034 | EA | 16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 22.83 | 7.37 |
| 23 41 13 00-0035 | EA | 16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 22.54 | 7.37 |
| 23 41 13 00-0036 | EA | 18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 16.19 | 7.66 |
| 23 41 13 00-0037 | EA | 18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 15.81 | 7.66 |
| 23 41 13 00-0038 | EA | 18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 16.19 | 7.66 |
| 23 41 13 00-0039 | EA | 18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 17.47 | 7.66 |
| 23 41 13 00-0040 | EA | 18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 19.32 | 7.66 |
| 23 41 13 00-0041 | EA | 18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 21.44 | 7.66 |
| 23 41 13 00-0042 | EA | 19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 18.05 | 8.04 |
| 23 41 13 00-0043 | EA | 20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 15.09 | 8.04 |
| 23 41 13 00-0044 | EA | 20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 18.42 | 8.04 |
| 23 41 13 00-0045 | EA | 20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 17.64 | 8.04 |
| 23 41 13 00-0046 | EA | 20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 19.22 | 8.04 |
| 23 41 13 00-0047 | EA | 20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 23.72 | 8.04 |
| 23 41 13 00-0048 | EA | 20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 21.35 | 8.04 |
| 23 41 13 00-0049 | EA | 21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 19.39 | 8.13 |
| 23 41 13 00-0050 | EA | 22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 18.54 | 8.23 |
| 23 41 13 00-0051 | EA | 24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 18.66 | 8.33 |
| 23 41 13 00-0052 | EA | 24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 19.31 | 8.33 |
| 23 41 13 00-0053 | EA | 24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 25.88 | 8.33 |
| 23 41 13 00-0054 | EA | 25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 18.79 | 8.42 |
| 23 41 13 00-0055 | EA | 25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 26.40 | 8.42 |
| 23 41 13 00-0056 | EA | 10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 15.55 | 6.41 |
| 23 41 13 00-0057 | EA | 10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 14.46 | 6.41 |
| 23 41 13 00-0058 | EA | 12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 16.88 | 6.70 |
| 23 41 13 00-0059 | EA | 14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 17.38 | 7.08 |
| 23 41 13 00-0060 | EA | 14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 17.38 | 7.08 |
| 23 41 13 00-0061 | EA | 15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 17.75 | 7.28 |
| 23 41 13 00-0062 | EA | 16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 17.65 | 7.37 |
| 23 41 13 00-0063 | EA | 16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 17.48 | 7.37 |
| 23 41 13 00-0064 | EA | 16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 17.88 | 7.37 |
| 23 41 13 00-0065 | EA | 18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 18.97 | 7.66 |
| 23 41 13 00-0066 | EA | 20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 19.59 | 8.04 |
| 23 41 13 00-0067 | EA | 20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 19.31 | 8.04 |
| 23 41 13 00-0068 | EA | 20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 19.31 | 8.04 |
| 23 41 13 00-0069 | EA | 24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 19.98 | 8.33 |
| 23 41 13 00-0070 | EA | 25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5<br>Note: One-piece kraft fiberboard frame with two metal grids. | 20.11 | 8.42 |
| 23 41 13 00-0071 | | Disposable Pleated Air Filters *(23 41 13)* | | |
| 23 41 13 00-0072 | EA | 10" x 20" x 1" Disposable Pleated Air Filter, MERV 8 | 14.67 | 6.41 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 41 13 00-0073 | EA | 10" x 24" x 1" Disposable Pleated Air Filter, MERV 8 | 21.90 | 6.41 |
| 23 41 13 00-0074 | EA | 10" x 30" x 1" Disposable Pleated Air Filter, MERV 8 | 27.60 | 6.41 |
| 23 41 13 00-0075 | EA | 12" x 12" x 1" Disposable Pleated Air Filter, MERV 8 | 18.96 | 6.70 |
| 23 41 13 00-0076 | EA | 12" x 20" x 1" Disposable Pleated Air Filter, MERV 8 | 17.61 | 6.70 |
| 23 41 13 00-0077 | EA | 12" x 24" x 1" Disposable Pleated Air Filter, MERV 8 | 17.40 | 6.70 |
| 23 41 13 00-0078 | EA | 12" x 25" x 1" Disposable Pleated Air Filter, MERV 8 | 17.40 | 6.70 |
| 23 41 13 00-0079 | EA | 12" x 30" x 1" Disposable Pleated Air Filter, MERV 8 | 27.99 | 6.70 |
| 23 41 13 00-0080 | EA | 14" x 14" x 1" Disposable Pleated Air Filter, MERV 8 | 21.46 | 7.08 |
| 23 41 13 00-0081 | EA | 14" x 20" x 1" Disposable Pleated Air Filter, MERV 8 | 18.11 | 7.08 |
| 23 41 13 00-0082 | EA | 14" x 24" x 1" Disposable Pleated Air Filter, MERV 8 | 23.17 | 7.08 |
| 23 41 13 00-0083 | EA | 14" x 25" x 1" Disposable Pleated Air Filter, MERV 8 | 18.73 | 7.08 |
| 23 41 13 00-0084 | EA | 14" x 30" x 1" Disposable Pleated Air Filter, MERV 8 | 26.96 | 7.08 |
| 23 41 13 00-0085 | EA | 15" x 20" x 1" Disposable Pleated Air Filter, MERV 8 | 18.50 | 7.28 |
| 23 41 13 00-0086 | EA | 16" x 16" x 1" Disposable Pleated Air Filter, MERV 8 | 21.85 | 7.37 |
| 23 41 13 00-0087 | EA | 16" x 20" x 1" Disposable Pleated Air Filter, MERV 8 | 18.22 | 7.37 |
| 23 41 13 00-0088 | EA | 16" x 24" x 1" Disposable Pleated Air Filter, MERV 8 | 21.27 | 7.37 |
| 23 41 13 00-0089 | EA | 16" x 25" x 1" Disposable Pleated Air Filter, MERV 8 | 18.91 | 7.37 |
| 23 41 13 00-0090 | EA | 16" x 30" x 1" Disposable Pleated Air Filter, MERV 8 | 27.35 | 7.37 |
| 23 41 13 00-0091 | EA | 18" x 18" x 1" Disposable Pleated Air Filter, MERV 8 | 29.26 | 7.66 |
| 23 41 13 00-0092 | EA | 18" x 20" x 1" Disposable Pleated Air Filter, MERV 8 | 21.61 | 7.66 |
| 23 41 13 00-0093 | EA | 18" x 24" x 1" Disposable Pleated Air Filter, MERV 8 | 21.23 | 7.66 |
| 23 41 13 00-0094 | EA | 18" x 25" x 1" Disposable Pleated Air Filter, MERV 8 | 20.97 | 7.66 |
| 23 41 13 00-0095 | EA | 18" x 30" x 1" Disposable Pleated Air Filter, MERV 8 | 29.44 | 7.66 |
| 23 41 13 00-0096 | EA | 20" x 20" x 1" Disposable Pleated Air Filter, MERV 8 | 19.91 | 8.04 |
| 23 41 13 00-0097 | EA | 20" x 24" x 1" Disposable Pleated Air Filter, MERV 8 | 21.30 | 8.04 |
| 23 41 13 00-0098 | EA | 20" x 25" x 1" Disposable Pleated Air Filter, MERV 8 | 21.06 | 8.04 |
| 23 41 13 00-0099 | EA | 20" x 30" x 1" Disposable Pleated Air Filter, MERV 8 | 23.83 | 8.04 |
| 23 41 13 00-0100 | EA | 22" x 22" x 1" Disposable Pleated Air Filter, MERV 8 | 29.01 | 8.23 |
| 23 41 13 00-0101 | EA | 24" x 24" x 1" Disposable Pleated Air Filter, MERV 8 | 22.68 | 8.33 |
| 23 41 13 00-0102 | EA | 24" x 30" x 1" Disposable Pleated Air Filter, MERV 8 | 35.80 | 8.33 |
| 23 41 13 00-0103 | EA | 25" x 25" x 1" Disposable Pleated Air Filter, MERV 8 | 24.02 | 8.42 |
| 23 41 13 00-0104 | EA | 10" x 20" x 2" Disposable Pleated Air Filter, MERV 8 | 17.36 | 6.41 |
| 23 41 13 00-0105 | EA | 12" x 12" x 2" Disposable Pleated Air Filter, MERV 8 | 22.71 | 6.70 |
| 23 41 13 00-0106 | EA | 12" x 20" x 2" Disposable Pleated Air Filter, MERV 8 | 18.20 | 6.70 |
| 23 41 13 00-0107 | EA | 12" x 24" x 2" Disposable Pleated Air Filter, MERV 8 | 17.92 | 6.70 |
| 23 41 13 00-0108 | EA | 14" x 20" x 2" Disposable Pleated Air Filter, MERV 8 | 18.94 | 7.08 |
| 23 41 13 00-0109 | EA | 14" x 25" x 2" Disposable Pleated Air Filter, MERV 8 | 19.78 | 7.08 |
| 23 41 13 00-0110 | EA | 15" x 20" x 2" Disposable Pleated Air Filter, MERV 8 | 19.20 | 7.28 |
| 23 41 13 00-0111 | EA | 16" x 16" x 2" Disposable Pleated Air Filter, MERV 8 | 24.19 | 7.37 |
| 23 41 13 00-0112 | EA | 16" x 20" x 2" Disposable Pleated Air Filter, MERV 8 | 18.81 | 7.37 |
| 23 41 13 00-0113 | EA | 16" x 24" x 2" Disposable Pleated Air Filter, MERV 8 | 21.48 | 7.37 |
| 23 41 13 00-0114 | EA | 16" x 25" x 2" Disposable Pleated Air Filter, MERV 8 | 19.89 | 7.37 |
| 23 41 13 00-0115 | EA | 18" x 18" x 2" Disposable Pleated Air Filter, MERV 8 | 27.94 | 7.66 |
| 23 41 13 00-0116 | EA | 18" x 20" x 2" Disposable Pleated Air Filter, MERV 8 | 23.81 | 7.66 |
| 23 41 13 00-0117 | EA | 18" x 24" x 2" Disposable Pleated Air Filter, MERV 8 | 21.61 | 7.66 |
| 23 41 13 00-0118 | EA | 18" x 25" x 2" Disposable Pleated Air Filter, MERV 8 | 22.45 | 7.66 |
| 23 41 13 00-0119 | EA | 20" x 20" x 2" Disposable Pleated Air Filter, MERV 8 | 20.99 | 8.04 |
| 23 41 13 00-0120 | EA | 20" x 24" x 2" Disposable Pleated Air Filter, MERV 8 | 22.51 | 8.04 |
| 23 41 13 00-0121 | EA | 20" x 25" x 2" Disposable Pleated Air Filter, MERV 8 | 22.25 | 8.04 |
| 23 41 13 00-0122 | EA | 20" x 30" x 2" Disposable Pleated Air Filter, MERV 8 | 32.21 | 8.04 |
| 23 41 13 00-0123 | EA | 24" x 24" x 2" Disposable Pleated Air Filter, MERV 8 | 23.86 | 8.33 |
| 23 41 13 00-0124 | EA | 25" x 25" x 2" Disposable Pleated Air Filter, MERV 8 | 26.39 | 8.42 |
| 23 41 13 00-0125 | EA | 12" x 24" x 4" Disposable Pleated Air Filter, MERV 8 | 27.57 | 6.70 |
| 23 41 13 00-0126 | EA | 16" x 20" x 4" Disposable Pleated Air Filter, MERV 8 | 29.79 | 7.37 |
| 23 41 13 00-0127 | EA | 16" x 25" x 4" Disposable Pleated Air Filter, MERV 8 | 31.86 | 7.37 |
| 23 41 13 00-0128 | EA | 18" x 24" x 4" Disposable Pleated Air Filter, MERV 8 | 34.37 | 7.66 |
| 23 41 13 00-0129 | EA | 20" x 20" x 4" Disposable Pleated Air Filter, MERV 8 | 32.64 | 8.04 |
| 23 41 13 00-0130 | EA | 20" x 24" x 4" Disposable Pleated Air Filter, MERV 8 | 35.54 | 8.04 |
| 23 41 13 00-0131 | EA | 20" x 25" x 4" Disposable Pleated Air Filter, MERV 8 | 35.81 | 8.04 |
| 23 41 13 00-0132 | EA | 24" x 24" x 4" Disposable Pleated Air Filter, MERV 8 | 39.10 | 8.33 |
| 23 41 13 00-0133 | EA | 10" x 20" x 1" Disposable Pleated Air Filter, MERV 11 | 25.07 | 6.41 |
| 23 41 13 00-0134 | EA | 10" x 24" x 1" Disposable Pleated Air Filter, MERV 11 | 25.07 | 6.41 |
| 23 41 13 00-0135 | EA | 10" x 30" x 1" Disposable Pleated Air Filter, MERV 11 | 32.56 | 6.41 |
| 23 41 13 00-0136 | EA | 12" x 12" x 1" Disposable Pleated Air Filter, MERV 11 | 26.58 | 6.70 |
| 23 41 13 00-0137 | EA | 12" x 20" x 1" Disposable Pleated Air Filter, MERV 11 | 25.90 | 6.70 |
| 23 41 13 00-0138 | EA | 12" x 24" x 1" Disposable Pleated Air Filter, MERV 11 | 25.79 | 6.70 |
| 23 41 13 00-0139 | EA | 12" x 30" x 1" Disposable Pleated Air Filter, MERV 11 | 36.96 | 6.70 |
| 23 41 13 00-0140 | EA | 14" x 14" x 1" Disposable Pleated Air Filter, MERV 11 | 30.20 | 7.08 |
| 23 41 13 00-0141 | EA | 14" x 20" x 1" Disposable Pleated Air Filter, MERV 11 | 26.57 | 7.08 |
| 23 41 13 00-0142 | EA | 14" x 24" x 1" Disposable Pleated Air Filter, MERV 11 | 34.37 | 7.08 |
| 23 41 13 00-0143 | EA | 14" x 25" x 1" Disposable Pleated Air Filter, MERV 11 | 33.62 | 7.08 |
| 23 41 13 00-0144 | EA | 14" x 30" x 1" Disposable Pleated Air Filter, MERV 11 | 39.50 | 7.08 |
| 23 41 13 00-0145 | EA | 15" x 20" x 1" Disposable Pleated Air Filter, MERV 11 | 25.50 | 7.28 |
| 23 41 13 00-0146 | EA | 16" x 16" x 1" Disposable Pleated Air Filter, MERV 11 | 36.21 | 7.37 |
| 23 41 13 00-0147 | EA | 16" x 20" x 1" Disposable Pleated Air Filter, MERV 11 | 23.81 | 7.37 |
| 23 41 13 00-0148 | EA | 16" x 24" x 1" Disposable Pleated Air Filter, MERV 11 | 30.76 | 7.37 |
| 23 41 13 00-0149 | EA | 16" x 25" x 1" Disposable Pleated Air Filter, MERV 11 | 28.25 | 7.37 |
| 23 41 13 00-0150 | EA | 16" x 30" x 1" Disposable Pleated Air Filter, MERV 11 | 37.37 | 7.37 |
| 23 41 13 00-0151 | EA | 18" x 18" x 1" Disposable Pleated Air Filter, MERV 11 | 38.23 | 7.66 |
| 23 41 13 00-0152 | EA | 18" x 20" x 1" Disposable Pleated Air Filter, MERV 11 | 32.41 | 7.66 |
| 23 41 13 00-0153 | EA | 18" x 24" x 1" Disposable Pleated Air Filter, MERV 11 | 29.20 | 7.66 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 41 13 00-0154 | EA | 18" x 25" x 1" Disposable Pleated Air Filter, MERV 11 | 31.14 | 7.66 |
| 23 41 13 00-0155 | EA | 18" x 30" x 1" Disposable Pleated Air Filter, MERV 11 | 43.23 | 7.66 |
| 23 41 13 00-0156 | EA | 20" x 20" x 1" Disposable Pleated Air Filter, MERV 11 | 29.32 | 8.04 |
| 23 41 13 00-0157 | EA | 20" x 24" x 1" Disposable Pleated Air Filter, MERV 11 | 32.19 | 8.04 |
| 23 41 13 00-0158 | EA | 20" x 25" x 1" Disposable Pleated Air Filter, MERV 11 | 32.50 | 8.04 |
| 23 41 13 00-0159 | EA | 20" x 30" x 1" Disposable Pleated Air Filter, MERV 11 | 37.85 | 8.04 |
| 23 41 13 00-0160 | EA | 22" x 22" x 1" Disposable Pleated Air Filter, MERV 11 | 41.92 | 8.23 |
| 23 41 13 00-0161 | EA | 24" x 24" x 1" Disposable Pleated Air Filter, MERV 11 | 35.28 | 8.33 |
| 23 41 13 00-0162 | EA | 24" x 30" x 1" Disposable Pleated Air Filter, MERV 11 | 45.77 | 8.33 |
| 23 41 13 00-0163 | EA | 25" x 25" x 1" Disposable Pleated Air Filter, MERV 11 | 39.72 | 8.42 |
| 23 41 13 00-0164 | EA | 10" x 20" x 2" Disposable Pleated Air Filter, MERV 11 | 25.51 | 6.41 |
| 23 41 13 00-0165 | EA | 12" x 12" x 2" Disposable Pleated Air Filter, MERV 11 | 26.87 | 6.70 |
| 23 41 13 00-0166 | EA | 12" x 20" x 2" Disposable Pleated Air Filter, MERV 11 | 25.54 | 6.70 |
| 23 41 13 00-0167 | EA | 12" x 24" x 2" Disposable Pleated Air Filter, MERV 11 | 30.01 | 6.70 |
| 23 41 13 00-0168 | EA | 14" x 20" x 2" Disposable Pleated Air Filter, MERV 11 | 26.88 | 7.08 |
| 23 41 13 00-0169 | EA | 14" x 25" x 2" Disposable Pleated Air Filter, MERV 11 | 28.17 | 7.08 |
| 23 41 13 00-0170 | EA | 15" x 20" x 2" Disposable Pleated Air Filter, MERV 11 | 27.62 | 7.28 |
| 23 41 13 00-0171 | EA | 16" x 16" x 2" Disposable Pleated Air Filter, MERV 11 | 36.96 | 7.37 |
| 23 41 13 00-0172 | EA | 16" x 20" x 2" Disposable Pleated Air Filter, MERV 11 | 32.17 | 7.37 |
| 23 41 13 00-0173 | EA | 16" x 24" x 2" Disposable Pleated Air Filter, MERV 11 | 31.36 | 7.37 |
| 23 41 13 00-0174 | EA | 16" x 25" x 2" Disposable Pleated Air Filter, MERV 11 | 35.52 | 7.37 |
| 23 41 13 00-0175 | EA | 18" x 18" x 2" Disposable Pleated Air Filter, MERV 11 | 42.60 | 7.66 |
| 23 41 13 00-0176 | EA | 18" x 20" x 2" Disposable Pleated Air Filter, MERV 11 | 33.77 | 7.66 |
| 23 41 13 00-0177 | EA | 18" x 24" x 2" Disposable Pleated Air Filter, MERV 11 | 38.55 | 7.66 |
| 23 41 13 00-0178 | EA | 18" x 25" x 2" Disposable Pleated Air Filter, MERV 11 | 33.39 | 7.66 |
| 23 41 13 00-0179 | EA | 20" x 20" x 2" Disposable Pleated Air Filter, MERV 11 | 37.03 | 8.04 |
| 23 41 13 00-0180 | EA | 20" x 24" x 2" Disposable Pleated Air Filter, MERV 11 | 39.69 | 8.04 |
| 23 41 13 00-0181 | EA | 20" x 25" x 2" Disposable Pleated Air Filter, MERV 11 | 40.08 | 8.04 |
| 23 41 13 00-0182 | EA | 24" x 24" x 2" Disposable Pleated Air Filter, MERV 11 | 40.07 | 8.33 |
| 23 41 13 00-0183 | EA | 25" x 25" x 2" Disposable Pleated Air Filter, MERV 11 | 40.59 | 8.42 |
| 23 41 13 00-0184 | EA | 12" x 24" x 4" Disposable Pleated Air Filter, MERV 11 | 48.81 | 6.70 |
| 23 41 13 00-0185 | EA | 16" x 20" x 4" Disposable Pleated Air Filter, MERV 11 | 49.99 | 7.37 |
| 23 41 13 00-0186 | EA | 16" x 25" x 4" Disposable Pleated Air Filter, MERV 11 | 59.53 | 7.37 |
| 23 41 13 00-0187 | EA | 18" x 24" x 4" Disposable Pleated Air Filter, MERV 11 | 59.45 | 7.66 |
| 23 41 13 00-0188 | EA | 20" x 20" x 4" Disposable Pleated Air Filter, MERV 11 | 59.22 | 8.04 |
| 23 41 13 00-0189 | EA | 20" x 24" x 4" Disposable Pleated Air Filter, MERV 11 | 65.21 | 8.04 |
| 23 41 13 00-0190 | EA | 20" x 25" x 4" Disposable Pleated Air Filter, MERV 11 | 65.21 | 8.04 |
| 23 41 13 00-0191 | EA | 24" x 24" x 4" Disposable Pleated Air Filter, MERV 11 | 72.78 | 8.33 |
| 23 41 13 00-0192 | EA | 8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 31.98 | 6.13 |
| 23 41 13 00-0193 | EA | 8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 31.98 | 6.13 |
| 23 41 13 00-0194 | EA | 8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 31.98 | 6.13 |
| 23 41 13 00-0195 | EA | 10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.36 | 6.41 |
| 23 41 13 00-0196 | EA | 10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 30.96 | 6.41 |
| 23 41 13 00-0197 | EA | 10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.36 | 6.41 |
| 23 41 13 00-0198 | EA | 10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.36 | 6.41 |
| 23 41 13 00-0199 | EA | 10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.36 | 6.41 |
| 23 41 13 00-0200 | EA | 12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 31.35 | 6.70 |
| 23 41 13 00-0201 | EA | 12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.75 | 6.70 |
| 23 41 13 00-0202 | EA | 12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 31.35 | 6.70 |
| 23 41 13 00-0203 | EA | 12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 31.35 | 6.70 |
| 23 41 13 00-0204 | EA | 12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.75 | 6.70 |
| 23 41 13 00-0205 | EA | 12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.75 | 6.70 |
| 23 41 13 00-0206 | EA | 12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 34.15 | 6.70 |
| 23 41 13 00-0207 | EA | 14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 31.85 | 7.08 |
| 23 41 13 00-0208 | EA | 14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 33.25 | 7.08 |
| 23 41 13 00-0209 | EA | 14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 31.85 | 7.08 |
| 23 41 13 00-0210 | EA | 14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 31.85 | 7.08 |
| 23 41 13 00-0211 | EA | 14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 31.85 | 7.08 |
| 23 41 13 00-0212 | EA | 14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 33.25 | 7.08 |
| 23 41 13 00-0213 | EA | 15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.11 | 7.28 |
| 23 41 13 00-0214 | EA | 15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 33.51 | 7.28 |
| 23 41 13 00-0215 | EA | 15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 33.51 | 7.28 |
| 23 41 13 00-0216 | EA | 16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.24 | 7.37 |
| 23 41 13 00-0217 | EA | 16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 33.64 | 7.37 |
| 23 41 13 00-0218 | EA | 16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.24 | 7.37 |
| 23 41 13 00-0219 | EA | 16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.24 | 7.37 |
| 23 41 13 00-0220 | EA | 16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.24 | 7.37 |
| 23 41 13 00-0221 | EA | 16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 33.64 | 7.37 |
| 23 41 13 00-0222 | EA | 16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 33.64 | 7.37 |
| 23 41 13 00-0223 | EA | 16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 38.20 | 7.37 |
| 23 41 13 00-0224 | EA | 18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.62 | 7.66 |
| 23 41 13 00-0225 | EA | 18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 35.42 | 7.66 |
| 23 41 13 00-0226 | EA | 18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 32.62 | 7.66 |
| 23 41 13 00-0227 | EA | 18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 35.42 | 7.66 |
| 23 41 13 00-0228 | EA | 18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 35.42 | 7.66 |
| 23 41 13 00-0229 | EA | 18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 38.58 | 7.66 |
| 23 41 13 00-0230 | EA | 19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 35.93 | 8.04 |
| 23 41 13 00-0231 | EA | 20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 33.13 | 8.04 |
| 23 41 13 00-0232 | EA | 20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 33.13 | 8.04 |
| 23 41 13 00-0233 | EA | 20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 33.13 | 8.04 |
| 23 41 13 00-0234 | EA | 20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 34.53 | 8.04 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 41 13 00-0235 | EA | 20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 39.09 | 8.04 |
| 23 41 13 00-0236 | EA | 20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 39.09 | 8.04 |
| 23 41 13 00-0237 | EA | 21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 36.06 | 8.13 |
| 23 41 13 00-0238 | EA | 22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 34.79 | 8.23 |
| 23 41 13 00-0239 | EA | 24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 37.72 | 8.33 |
| 23 41 13 00-0240 | EA | 24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 37.72 | 8.33 |
| 23 41 13 00-0241 | EA | 24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 42.27 | 8.33 |
| 23 41 13 00-0242 | EA | 25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 37.85 | 8.42 |
| 23 41 13 00-0243 | EA | 25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 42.40 | 8.42 |
| 23 41 13 00-0244 | EA | 30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13 | 42.65 | 8.61 |
| 23 41 13 00-0245 | | Carbon Vapor Trap, Disposable V-Bank Filter *(23 41 13)* | | |
| 23 41 13 00-0246 | EA | 24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter | 970.81 | 19.14 |
| 23 41 13 00-0247 | | Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)* | | |
| 23 41 13 00-0248 | MF3 | Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar | 72.91 | |
| 23 41 13 00-0249 | MF3 | Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar | 70.42 | |
| 23 41 13 00-0250 | MF3 | Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar | 3.04 | |

## 23 41 16 Renewable-Media Air Filters *(23 41)*

| | | | | |
|---|---|---|---|---|
| 23 41 16 00-0001 | | Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)* | | |
| 23 41 16 00-0002 | MF3 | Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar | 125.46 | |

## 23 41 19 Washable Air Filters *(23 41)*

| | | | | |
|---|---|---|---|---|
| 23 41 19 00-0001 | | Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)* | | |
| 23 41 19 00-0002 | MF3 | Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar | 47.91 | |

## 23 41 33 High-Efficiency Particulate Filtration *(23 41)*

| | | | | |
|---|---|---|---|---|
| 23 41 33 00-0001 | | High Efficiency Particulate Air (HEPA) Filters *(23 41 33)*<br>Note: Includes particleboard and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters. | | |
| 23 41 33 00-0002 | | High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% *(23 41 33 00-0001)* | | |
| 23 41 33 00-0003 | EA | 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete | 130.75 | 17.86 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *3.57* | |
| | | *For >10 To 25, Deduct* | *-3.27* | |
| | | *For >25 To 50, Deduct* | *-6.54* | |
| | | *For >50 To 100, Deduct* | *-9.81* | |
| | | *For >100, Deduct* | *-13.08* | |
| 23 41 33 00-0004 | EA | 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete | 173.46 | 20.42 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *4.08* | |
| | | *For >10 To 25, Deduct* | *-4.34* | |
| | | *For >25 To 50, Deduct* | *-8.67* | |
| | | *For >50 To 100, Deduct* | *-13.01* | |
| | | *For >100, Deduct* | *-17.35* | |
| 23 41 33 00-0005 | EA | 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete | 202.98 | 23.61 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *4.72* | |
| | | *For >10 To 25, Deduct* | *-5.07* | |
| | | *For >25 To 50, Deduct* | *-10.15* | |
| | | *For >50 To 100, Deduct* | *-15.22* | |
| | | *For >100, Deduct* | *-20.30* | |
| 23 41 33 00-0006 | EA | 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete | 232.53 | 26.80 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *5.36* | |
| | | *For >10 To 25, Deduct* | *-5.81* | |
| | | *For >25 To 50, Deduct* | *-11.63* | |
| | | *For >50 To 100, Deduct* | *-17.44* | |
| | | *For >100, Deduct* | *-23.25* | |
| 23 41 33 00-0007 | EA | 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete | 159.01 | 19.14 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *3.83* | |
| | | *For >10 To 25, Deduct* | *-3.98* | |
| | | *For >25 To 50, Deduct* | *-7.95* | |
| | | *For >50 To 100, Deduct* | *-11.93* | |
| | | *For >100, Deduct* | *-15.90* | |
| 23 41 33 00-0008 | EA | 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete | 213.16 | 22.33 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *4.47* | |
| | | *For >10 To 25, Deduct* | *-5.33* | |
| | | *For >25 To 50, Deduct* | *-10.66* | |
| | | *For >50 To 100, Deduct* | *-15.99* | |
| | | *For >100, Deduct* | *-21.32* | |
| 23 41 33 00-0009 | EA | 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete | 254.66 | 25.52 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *5.11* | |
| | | *For >10 To 25, Deduct* | *-6.37* | |
| | | *For >25 To 50, Deduct* | *-12.73* | |
| | | *For >50 To 100, Deduct* | *-19.10* | |
| | | *For >100, Deduct* | *-25.47* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 41 33 00-0010 | EA | 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete | 302.53 | 31.91 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *6.38* | |
| | | *For >10 To 25, Deduct* | *-7.56* | |
| | | *For >25 To 50, Deduct* | *-15.13* | |
| | | *For >50 To 100, Deduct* | *-22.69* | |
| | | *For >100, Deduct* | *-30.25* | |
| 23 41 33 00-0011 | | **High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99%** *(23 41 33 00-0001)* | | |
| 23 41 33 00-0012 | EA | 12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete | 112.09 | 15.95 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *3.19* | |
| | | *For >10 To 25, Deduct* | *-2.80* | |
| | | *For >25 To 50, Deduct* | *-5.60* | |
| | | *For >50 To 100, Deduct* | *-8.41* | |
| | | *For >100, Deduct* | *-11.21* | |
| 23 41 33 00-0013 | EA | 24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete | 154.81 | 19.14 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *3.83* | |
| | | *For >10 To 25, Deduct* | *-3.87* | |
| | | *For >25 To 50, Deduct* | *-7.74* | |
| | | *For >50 To 100, Deduct* | *-11.61* | |
| | | *For >100, Deduct* | *-15.48* | |
| 23 41 33 00-0014 | EA | 24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete | 236.12 | 22.33 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *4.47* | |
| | | *For >10 To 25, Deduct* | *-5.90* | |
| | | *For >25 To 50, Deduct* | *-11.81* | |
| | | *For >50 To 100, Deduct* | *-17.71* | |
| | | *For >100, Deduct* | *-23.61* | |
| 23 41 33 00-0015 | EA | 36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete | 303.22 | 25.52 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *5.11* | |
| | | *For >10 To 25, Deduct* | *-7.58* | |
| | | *For >25 To 50, Deduct* | *-15.16* | |
| | | *For >50 To 100, Deduct* | *-22.74* | |
| | | *For >100, Deduct* | *-30.32* | |
| 23 41 33 00-0016 | EA | 8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete | 105.63 | 12.76 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *2.55* | |
| | | *For >10 To 25, Deduct* | *-2.64* | |
| | | *For >25 To 50, Deduct* | *-5.28* | |
| | | *For >50 To 100, Deduct* | *-7.92* | |
| | | *For >100, Deduct* | *-10.56* | |
| 23 41 33 00-0017 | EA | 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete | 140.03 | 17.23 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *3.45* | |
| | | *For >10 To 25, Deduct* | *-3.50* | |
| | | *For >25 To 50, Deduct* | *-7.00* | |
| | | *For >50 To 100, Deduct* | *-10.50* | |
| | | *For >100, Deduct* | *-14.00* | |
| 23 41 33 00-0018 | EA | 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete | 188.19 | 20.42 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *4.08* | |
| | | *For >10 To 25, Deduct* | *-4.70* | |
| | | *For >25 To 50, Deduct* | *-9.41* | |
| | | *For >50 To 100, Deduct* | *-14.11* | |
| | | *For >100, Deduct* | *-18.82* | |
| 23 41 33 00-0019 | EA | 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete | 220.94 | 23.93 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *4.79* | |
| | | *For >10 To 25, Deduct* | *-5.52* | |
| | | *For >25 To 50, Deduct* | *-11.05* | |
| | | *For >50 To 100, Deduct* | *-16.57* | |
| | | *For >100, Deduct* | *-22.09* | |
| 23 41 33 00-0020 | EA | 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete | 252.41 | 26.80 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *5.36* | |
| | | *For >10 To 25, Deduct* | *-6.31* | |
| | | *For >25 To 50, Deduct* | *-12.62* | |
| | | *For >50 To 100, Deduct* | *-18.93* | |
| | | *For >100, Deduct* | *-25.24* | |
| 23 41 33 00-0021 | EA | 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete | 172.42 | 19.14 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *3.83* | |
| | | *For >10 To 25, Deduct* | *-4.31* | |
| | | *For >25 To 50, Deduct* | *-8.62* | |
| | | *For >50 To 100, Deduct* | *-12.93* | |
| | | *For >100, Deduct* | *-17.24* | |
| 23 41 33 00-0022 | EA | 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete | 231.89 | 22.33 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *4.47* | |
| | | *For >10 To 25, Deduct* | *-5.80* | |
| | | *For >25 To 50, Deduct* | *-11.59* | |
| | | *For >50 To 100, Deduct* | *-17.39* | |
| | | *For >100, Deduct* | *-23.19* | |
| 23 41 33 00-0023 | EA | 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete | 277.28 | 25.52 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *5.11* | |
| | | *For >10 To 25, Deduct* | *-6.93* | |
| | | *For >25 To 50, Deduct* | *-13.86* | |
| | | *For >50 To 100, Deduct* | *-20.80* | |
| | | *For >100, Deduct* | *-27.73* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 41 33 00-0024 | EA | 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete | 341.67 | 31.91 |
| | | *For Removal And Replacement In Existing Equipment, Add* | *6.38* | |
| | | *For >10 To 25, Deduct* | *-8.54* | |
| | | *For >25 To 50, Deduct* | *-17.08* | |
| | | *For >50 To 100, Deduct* | *-25.63* | |
| | | *For >100, Deduct* | *-34.17* | |

### 23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal *(23 41 33)*

Note: Nominal sizes.

| | | | | |
|---|---|---|---|---|
| 23 41 33 00-0026 | EA | 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 325.46 | 95.20 |
| 23 41 33 00-0027 | EA | 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 608.16 | 189.21 |
| 23 41 33 00-0028 | EA | 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 617.32 | 189.21 |
| 23 41 33 00-0029 | EA | 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 623.42 | 189.21 |
| 23 41 33 00-0030 | EA | 24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 666.17 | 189.21 |
| 23 41 33 00-0031 | EA | 24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 719.61 | 189.21 |
| 23 41 33 00-0032 | EA | 48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 1,179.68 | 379.62 |
| 23 41 33 00-0033 | EA | 48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 1,309.46 | 379.62 |
| 23 41 33 00-0034 | EA | 48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 1,474.35 | 379.62 |
| 23 41 33 00-0035 | EA | 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 351.42 | 95.20 |
| 23 41 33 00-0036 | EA | 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 652.43 | 189.21 |
| 23 41 33 00-0037 | EA | 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 663.12 | 189.21 |
| 23 41 33 00-0038 | EA | 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 670.75 | 189.21 |
| 23 41 33 00-0039 | EA | 24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 721.14 | 189.21 |
| 23 41 33 00-0040 | EA | 24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 788.32 | 189.21 |
| 23 41 33 00-0041 | EA | 48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 1,286.55 | 379.62 |
| 23 41 33 00-0042 | EA | 48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 1,448.39 | 379.62 |
| 23 41 33 00-0043 | EA | 48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal | 1,652.99 | 379.62 |

### 23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency *(23 41 33)*

| | | | | |
|---|---|---|---|---|
| 23 41 33 00-0045 | EA | 0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency | 292.34 | 123.40 |
| 23 41 33 00-0046 | EA | 1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency | 335.06 | 123.40 |

### 23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency *(23 41 33)*

| | | | | |
|---|---|---|---|---|
| 23 41 33 00-0048 | EA | 0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency | 287.43 | 123.40 |
| 23 41 33 00-0049 | EA | 1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency | 318.95 | 123.40 |

## 23 42 Gas-Phase Air Filtration *(23 40)*

### 23 42 13 Activated-Carbon Air Filtration *(23 42)*

| | | | | |
|---|---|---|---|---|
| 23 42 13 00-0001 | EA | 12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter | 47.14 | 9.57 |
| 23 42 13 00-0002 | EA | 16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter | 47.67 | 9.57 |
| 23 42 13 00-0003 | EA | 16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter | 47.99 | 9.57 |
| 23 42 13 00-0004 | EA | 20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter | 47.99 | 9.57 |
| 23 42 13 00-0005 | EA | 20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter | 52.00 | 9.57 |
| 23 42 13 00-0006 | EA | 24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter | 58.58 | 9.57 |
| 23 42 13 00-0007 | EA | 12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter | 59.49 | 10.85 |
| 23 42 13 00-0008 | EA | 16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter | 59.94 | 10.85 |
| 23 42 13 00-0009 | EA | 16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter | 60.32 | 10.85 |
| 23 42 13 00-0010 | EA | 20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter | 60.32 | 10.85 |
| 23 42 13 00-0011 | EA | 20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter | 64.75 | 10.85 |
| 23 42 13 00-0012 | EA | 24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter | 77.09 | 10.85 |
| 23 42 13 00-0013 | EA | 16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter | 28.81 | 9.57 |
| 23 42 13 00-0014 | EA | 16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter | 30.72 | 9.57 |
| 23 42 13 00-0015 | EA | 20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter | 30.79 | 9.57 |
| 23 42 13 00-0016 | EA | 20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter | 33.28 | 9.57 |
| 23 42 13 00-0017 | EA | 24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter | 35.50 | 9.57 |
| 23 42 13 00-0018 | EA | 16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter | 33.35 | 10.85 |
| 23 42 13 00-0019 | EA | 16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter | 36.67 | 10.85 |
| 23 42 13 00-0020 | EA | 20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter | 37.38 | 10.85 |
| 23 42 13 00-0021 | EA | 20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter | 41.49 | 10.85 |
| 23 42 13 00-0022 | EA | 24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter | 44.11 | 10.85 |
| 23 42 13 00-0023 | EA | 24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter | 72.47 | 11.48 |

## 23 43 Electronic Air Cleaners *(23 40)*

### 23 43 23 Self-Contained Electronic Air Cleaners *(23 43)*

### 23 43 23 00-0001 Stationary Floor, Room Air Purifier *(23 43 23)*

| | | | |
|---|---|---|---|
| 23 43 23 00-0002 | EA | Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M) | 1,166.02 |
| 23 43 23 00-0003 | EA | Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L) | 1,622.48 |
| 23 43 23 00-0004 | EA | Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL) | 4,100.38 |
| 23 43 23 00-0005 | EA | Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact) | 919.88 |
| 23 43 23 00-0006 | EA | Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine) | 1,653.47 |
| 23 43 23 00-0007 | EA | Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial) | 6,544.07 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 43 23 00-0008** | | **Surface Mounted, Room Air Purifier** *(23 43 23)* | | |
| 23 43 23 00-0009 | EA | Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067) | 2,986.76 | |
| 23 43 23 00-0010 | EA | Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064) | 4,166.13 | |
| 23 43 23 00-0011 | EA | Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S) | 4,766.94 | |
| **23 43 23 00-0012** | | **Suspension Ceiling Mounted, Room Air Purifier** *(23 43 23)* | | |
| 23 43 23 00-0013 | EA | 2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24) | 3,865.33 | |
| **23 43 23 00-0014** | | **Wall Mounted, Room Air Purifier** *(23 43 23)* | | |
| 23 43 23 00-0015 | EA | Air Purifier, Wall Mount, Bipolar Ionizer (Bi-Polar 2400) | 971.37 | |
| **23 43 23 00-0016** | | **Duct Mounted, Ionization System** *(23 43 23)* | | |
| 23 43 23 00-0017 | EA | Up To 10,000 CFM, 120/240 VAC, 50 Watt, 8 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 500FC) | 12,159.75 | 510.45 |
| 23 43 23 00-0018 | EA | Up To 15,000 CFM, 120/240 VAC, 50 Watt, 5 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 508FC) | 16,511.87 | 638.07 |
| **23 43 33** | | **Self-Contained Electronic Ultraviolet Germicidal Cleaners** *(23 43)* | | |
| **23 43 33 00-0001** | | **Suspension Ceiling Troffer Mounted, Ultraviolet Germicidal Air Purifier** *(23 43 33)* | | |
| 23 43 33 00-0002 | EA | 2' x 2', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X2)<br>Note: 6,300 cu ft/hour air cleaning | 5,325.78 | |
| 23 43 33 00-0003 | EA | 2' x 2', Troffer Mount UVC Air Purifier With 1900 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X2)<br>Note: 6,300 cu ft/hour air cleaning | 7,334.18 | |
| 23 43 33 00-0004 | EA | 2' x 4', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X4)<br>Note: 12,600 cu ft/hour air cleaning | 8,255.79 | |
| 23 43 33 00-0005 | EA | 2' x 4', Troffer Mount UVC Air Purifier With 3800 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X4)<br>Note: 12,600 cu ft/hour air cleaning | 9,233.18 | |
| 23 43 33 00-0006 | EA | Replace 8"x8" MERV 16, HEPA Filter In Troffer Mount UVC Air Purifier(ELEDLIGHTS UVFILTERM8X8M16) | 1,027.11 | |
| **23 43 33 00-0007** | | **Surface Mounted, Ultraviolet Germicidal Air Purifier** *(23 43 33)* | | |
| 23 43 33 00-0008 | EA | Surface (Wall Or Ceiling) Mounted, Germicidal UV Active Circulation Air Cleaner (ELEDLIGHTS GUV-AC)<br>Note: 1060 cu ft/hour air cleaning | 3,566.52 | |
| **23 43 33 00-0009** | | **Wall Mounted, Ultraviolet Germicidal Air Purifier** *(23 43 33)* | | |
| 23 43 33 00-0010 | EA | Wall Mounted, Upper Room Germicidal UV Disinfection (ELEDLIGHTS URUVGI-NZ) | 1,829.22 | |
| **23 43 33 00-0011** | | **Wall Mounted, Ultraviolet Germicidal Fixture (UV Resources)** *(23 43 33)* | | |
| 23 43 33 00-0012 | EA | 14-1/4", 8 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 150 - 41824001) | 1,309.26 | 76.90 |
| 23 43 33 00-0013 | EA | 23-1/4", 25 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 225 - 41824000) | 1,373.86 | 88.25 |
| 23 43 33 00-0014 | EA | 35", 36 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 310 - 41824002) | 2,024.68 | 95.81 |
| **23 43 33 00-0015** | | **Wall Mounted, Ultraviolet Germicidal Fixtures And Accessories (Fresh-Aire UV)** *(23 43 33)* | | |
| 23 43 33 00-0016 | EA | 32" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232S-TFHO) | 880.63 | 92.98 |
| 23 43 33 00-0017 | EA | 32" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232D-TFHO) | 1,199.07 | 92.98 |
| 23 43 33 00-0018 | EA | 46" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246S-TFHO) | 959.08 | 98.46 |
| 23 43 33 00-0019 | EA | 46" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246D-TFHO) | 1,350.07 | 98.46 |
| 23 43 33 00-0020 | EA | 60" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260S-TFHO) | 1,047.04 | 104.00 |
| 23 43 33 00-0021 | EA | 60" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260D-TFHO) | 1,748.40 | 104.00 |
| 23 43 33 00-0022 | EA | 32" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232S-HO) | 828.23 | 92.98 |
| 23 43 33 00-0023 | EA | 32" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232D-HO) | 1,096.95 | 92.98 |
| 23 43 33 00-0024 | EA | 46" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246S-HO) | 886.53 | 98.46 |
| 23 43 33 00-0025 | EA | 46" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246D-HO) | 1,204.96 | 98.46 |
| 23 43 33 00-0026 | EA | 60" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260S-HO) | 901.93 | 104.00 |
| 23 43 33 00-0027 | EA | 60" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260D-HO) | 1,459.53 | 104.00 |
| 23 43 33 00-0028 | EA | 5' (1.5m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL5) | 40.26 | |
| 23 43 33 00-0029 | EA | 10' (3m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL10) | 51.01 | |
| 23 43 33 00-0030 | EA | 5" Stainless Steel Coil Mount Bracket (Fresh-Aire UV TUVC-CMBRKT-SS5) | 54.26 | |
| 23 43 33 00-0031 | EA | 18" (45cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-18) | 65.11 | |
| 23 43 33 00-0032 | EA | 24" (60cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-24) | 74.52 | |
| 23 43 33 00-0033 | EA | 32" (81cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-32) | 85.26 | |
| 23 43 33 00-0034 | EA | 46" (117cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-46) | 90.64 | |
| 23 43 33 00-0035 | EA | 60" (152cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-60) | 94.67 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 43 33 00-0036 | EA | 110-277 VAC, Door Interlock Safety Switch Kit (Fresh-Aire UV TUVC-INTLCK-SP) | 304.27 | |
| 23 43 33 00-0037 | EA | 15" (38cm) Odor Control, UVC/UVV Lamp (Fresh-Aire UV TUVL-115P-OS-50)<br>Note: 1 Year Warranty | 201.81 | 61.83 |
| 23 43 33 00-0038 | EA | 18" (45cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-218HO)<br>Note: 2 Year Warranty | 249.53 | 64.93 |
| 23 43 33 00-0039 | EA | 24" (60cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-224HO)<br>Note: 2 Year Warranty | 267.05 | 71.86 |
| 23 43 33 00-0040 | EA | 32" (81cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-132)<br>Note: 1 Year Warranty | 237.30 | 76.58 |
| 23 43 33 00-0041 | EA | 32" (81cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232TF)<br>Note: 1 Year Warranty | 297.76 | 76.58 |
| 23 43 33 00-0042 | EA | 32" (81cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO)<br>Note: 1 Year Warranty | 281.64 | 76.58 |
| 23 43 33 00-0043 | EA | 32" (81cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO-TF)<br>Note: 1 Year Warranty | 331.35 | 76.58 |
| 23 43 33 00-0044 | EA | 46" (117cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-146)<br>Note: 1 Year Warranty | 277.48 | 81.63 |
| 23 43 33 00-0045 | EA | 46" (117cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246TF)<br>Note: 2 Year Warranty | 347.35 | 81.63 |
| 23 43 33 00-0046 | EA | 46" (117cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO)<br>Note: 2 Year Warranty | 312.41 | 81.63 |
| 23 43 33 00-0047 | EA | 46" (117cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO-TF)<br>Note: 2 Year Warranty | 384.97 | 81.63 |
| 23 43 33 00-0048 | EA | 60" (152cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-160)<br>Note: 1 Year Warranty | 347.87 | 82.25 |
| 23 43 33 00-0049 | EA | 60" (152cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260TF)<br>Note: 2 Year Warranty | 445.95 | 82.25 |
| 23 43 33 00-0050 | EA | 60" (152cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO)<br>Note: 2 Year Warranty | 382.80 | 82.25 |
| 23 43 33 00-0051 | EA | 60" (152cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO-TF)<br>Note: 1 Year Warranty | 527.91 | 82.25 |

# 23 50 Central Heating Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0001 for terminations, 26 28 16 16-0001 for disconnect.

## 23 51 Breechings, Chimneys, and Stacks *(23 50)*

### 23 51 13 Draft Control Devices *(23 51)*

#### 23 51 13 13 Draft-Induction Fans *(23 51 13)*

23 51 13 13-0001 Vertical Discharge Fans *(23 51 13 13)*

Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans *(23 51 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 51 13 13-0003 | EA | 450 CFM Vertical Discharge Chimney Fan, Axial Vane | 3,792.37 | 258.56 |
| 23 51 13 13-0004 | EA | 950 CFM Vertical Discharge Chimney Fan, Axial Vane | 4,301.72 | 282.07 |
| 23 51 13 13-0005 | EA | 1,400 CFM Vertical Discharge Chimney Fan, Axial Vane | 5,169.58 | 311.45 |
| 23 51 13 13-0006 | EA | 1,800 CFM Vertical Discharge Chimney Fan, Axial Vane | 6,765.96 | 361.39 |

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans *(23 51 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 51 13 13-0008 | EA | 700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller | 4,565.11 | 282.07 |
| 23 51 13 13-0009 | EA | 1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller | 5,574.29 | 311.45 |
| 23 51 13 13-0010 | EA | 2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller | 7,247.10 | 364.33 |
| 23 51 13 13-0011 | EA | 3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller | 8,587.52 | 408.40 |

23 51 13 13-0012 Accessories For Vertical Discharge Fans *(23 51 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 51 13 13-0013 | EA | Modulating Fan Controller And Sensor | 523.07 | 88.14 |

#### 23 51 13 16 Vent Dampers *(23 51 13)*

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade *(23 51 13 16)*

| | | | | |
|---|---|---|---|---|
| 23 51 13 16-0002 | EA | 3" Round Flue Shutter Draft Control Damper | 1,043.69 | 52.19 |
| 23 51 13 16-0003 | EA | 4" Round Flue Shutter Draft Control Damper | 1,145.22 | 55.36 |
| 23 51 13 16-0004 | EA | 5" Round Flue Shutter Draft Control Damper | 1,265.41 | 58.76 |
| 23 51 13 16-0005 | EA | 6" Round Flue Shutter Draft Control Damper | 1,351.99 | 62.67 |
| 23 51 13 16-0006 | EA | 7" Round Flue Shutter Draft Control Damper | 1,476.69 | 67.13 |
| 23 51 13 16-0007 | EA | 8" Round Flue Shutter Draft Control Damper | 1,568.26 | 72.27 |
| 23 51 13 16-0008 | EA | 10" Round Flue Shutter Draft Control Damper | 1,734.58 | 78.37 |
| 23 51 13 16-0009 | EA | 12" Round Flue Shutter Draft Control Damper | 1,904.96 | 85.46 |
| 23 51 13 16-0010 | EA | 14" Round Flue Shutter Draft Control Damper | 2,135.20 | 89.61 |
| 23 51 13 16-0011 | EA | 16" Round Flue Shutter Draft Control Damper | 2,294.80 | 94.02 |
| 23 51 13 16-0012 | EA | 18" Round Flue Shutter Draft Control Damper | 2,508.99 | 98.73 |
| 23 51 13 16-0013 | EA | 20" Round Flue Shutter Draft Control Damper | 2,952.32 | 156.31 |
| 23 51 13 16-0014 | EA | 22" Round Flue Shutter Draft Control Damper | 3,239.89 | 166.01 |
| 23 51 13 16-0015 | EA | 24" Round Flue Shutter Draft Control Damper | 3,512.24 | 176.29 |
| 23 51 13 16-0016 | EA | 26" Round Flue Shutter Draft Control Damper | 3,570.90 | 182.17 |
| 23 51 13 16-0017 | EA | 28" Round Flue Shutter Draft Control Damper | 3,683.31 | 188.05 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 13 16-0018 | EA | 30" Round Flue Shutter Draft Control Damper | 3,783.68 | 199.80 |
| 23 51 13 16-0019 | EA | 32" Round Flue Shutter Draft Control Damper | 3,949.56 | 205.54 |
| 23 51 13 16-0020 | EA | 34" Round Flue Shutter Draft Control Damper | 4,120.42 | 217.29 |
| 23 51 13 16-0021 | EA | 36" Round Flue Shutter Draft Control Damper | 4,315.55 | 235.06 |
| 23 51 13 16-0022 | EA | 38" Round Flue Shutter Draft Control Damper | 4,535.36 | 243.12 |
| 23 51 13 16-0023 | EA | 40" Round Flue Shutter Draft Control Damper | 4,739.47 | 246.81 |
| 23 51 13 16-0024 | EA | 42" Round Flue Shutter Draft Control Damper | 4,972.41 | 258.56 |
| 23 51 13 16-0025 | EA | 44" Round Flue Shutter Draft Control Damper | 5,206.69 | 270.31 |
| 23 51 13 16-0026 | EA | 46" Round Flue Shutter Draft Control Damper | 5,441.65 | 282.07 |
| 23 51 13 16-0027 | EA | 48" Round Flue Shutter Draft Control Damper | 5,675.60 | 293.82 |

## 23 51 13 19 Barometric Dampers *(23 51 13)*

### 23 51 13 19-0001 Barometric Dampers *(23 51 13 19)*

| | | | | |
|---|---|---|---|---|
| 23 51 13 19-0002 | EA | 6" x 6" Barometric Damper | 485.08 | 10.19 |
| 23 51 13 19-0003 | EA | 12" x 12" Barometric Damper | 701.91 | 14.01 |
| 23 51 13 19-0004 | EA | 18" x 18" Barometric Damper | 940.08 | 21.65 |
| 23 51 13 19-0005 | EA | 24" x 24" Barometric Damper | 1,122.20 | 40.77 |
| 23 51 13 19-0006 | EA | 6" Diameter Barometric Damper | 237.29 | 10.19 |
| | | *For Stainless Steel, Add* | *257.08* | |
| 23 51 13 19-0007 | EA | 7" Diameter Barometric Damper | 280.80 | 11.46 |
| | | *For Stainless Steel, Add* | *305.42* | |
| 23 51 13 19-0008 | EA | 8" Diameter Barometric Damper | 325.79 | 12.74 |
| | | *For Stainless Steel, Add* | *354.20* | |
| 23 51 13 19-0009 | EA | 9" Diameter Barometric Damper | 401.18 | 12.74 |
| | | *For Stainless Steel, Add* | *448.68* | |
| 23 51 13 19-0010 | EA | 10" Diameter Barometric Damper | 529.00 | 15.29 |
| | | *For Stainless Steel, Add* | *611.27* | |
| 23 51 13 19-0011 | EA | 12" Diameter Barometric Damper | 671.96 | 16.56 |
| | | *For Stainless Steel, Add* | *788.37* | |
| 23 51 13 19-0012 | EA | 14" Diameter Barometric Damper | 845.10 | 17.84 |
| | | *For Stainless Steel, Add* | *1,005.47* | |
| 23 51 13 19-0013 | EA | 15" Diameter Barometric Damper | 1,008.67 | 19.10 |
| | | *For Stainless Steel, Add* | *1,208.49* | |
| 23 51 13 19-0014 | EA | 16" Diameter Barometric Damper | 1,170.37 | 21.65 |
| | | *For Stainless Steel, Add* | *1,411.09* | |
| 23 51 13 19-0015 | EA | 18" Diameter Barometric Damper | 1,541.91 | 22.93 |
| | | *For Stainless Steel, Add* | *1,885.25* | |
| 23 51 13 19-0016 | EA | 20" Diameter Barometric Damper | 1,835.53 | 25.48 |
| | | *For Stainless Steel, Add* | *2,256.59* | |
| 23 51 13 19-0017 | EA | 24" Diameter Barometric Damper | 2,213.59 | 25.48 |
| | | *For Stainless Steel, Add* | *2,742.18* | |
| 23 51 13 19-0018 | EA | 30" Diameter Barometric Damper | 2,729.39 | 29.30 |
| | | *For Stainless Steel, Add* | *3,399.16* | |
| 23 51 13 19-0019 | EA | 36" Diameter Barometric Damper | 3,482.48 | 30.57 |
| | | *For Stainless Steel, Add* | *4,370.35* | |

## 23 51 16 Fabricated Breechings and Accessories *(23 51)*

### 23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

### 23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0003 | LF | 3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe<br>Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness | 33.42 | 10.46 |
| | | *For Aluminum Liner, Add* | *0.40* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.55* | |
| | | *For 2" Wall Instead Of 1", Add* | *4.81* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *8.52* | |
| 23 51 16 00-0004 | LF | 4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe<br>Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness | 35.94 | 11.05 |
| | | *For Aluminum Liner, Add* | *0.49* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.67* | |
| | | *For 2" Wall Instead Of 1", Add* | *5.39* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *9.43* | |
| 23 51 16 00-0005 | LF | 5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe<br>Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness | 39.73 | 11.75 |
| | | *For Aluminum Liner, Add* | *0.59* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.80* | |
| | | *For 2" Wall Instead Of 1", Add* | *6.10* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *10.61* | |
| 23 51 16 00-0006 | LF | 6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe<br>Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness | 43.36 | 12.58 |
| | | *For Aluminum Liner, Add* | *0.68* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.93* | |
| | | *For 2" Wall Instead Of 1", Add* | *6.81* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *11.76* | |
| 23 51 16 00-0007 | LF | 7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe<br>Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness | 51.08 | 13.40 |
| | | *For Aluminum Liner, Add* | *1.00* | |
| | | *For 304 Stainless Steel Liner, Add* | *1.37* | |
| | | *For 2" Wall Instead Of 1", Add* | *8.75* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *14.77* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0008 | LF | 8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 56.78 | 14.46 |
| | | Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness | | |
| | | *For Aluminum Liner, Add* | *1.12* | |
| | | *For 304 Stainless Steel Liner, Add* | *1.52* | |
| | | *For 2" Wall Instead Of 1", Add* | *9.74* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *16.43* | |
| 23 51 16 00-0009 | LF | 10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 82.31 | 15.52 |
| | | Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness | | |
| | | *For Aluminum Liner, Add* | *2.36* | |
| | | *For 304 Stainless Steel Liner, Add* | *3.21* | |
| | | *For 2" Wall Instead Of 1", Add* | *16.80* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *27.18* | |
| 23 51 16 00-0010 | LF | 12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 100.28 | 17.16 |
| | | Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness | | |
| | | *For Aluminum Liner, Add* | *3.16* | |
| | | *For 304 Stainless Steel Liner, Add* | *4.31* | |
| | | *For 2" Wall Instead Of 1", Add* | *21.53* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *34.43* | |
| 23 51 16 00-0011 | LF | 14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 141.34 | 17.86 |
| | | Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness | | |
| | | *For Aluminum Liner, Add* | *5.31* | |
| | | *For 304 Stainless Steel Liner, Add* | *7.24* | |
| | | *For 2" Wall Instead Of 1", Add* | *33.45* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *52.41* | |
| 23 51 16 00-0012 | LF | 16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 176.99 | 18.81 |
| | | Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness | | |
| | | *For Aluminum Liner, Add* | *7.16* | |
| | | *For 304 Stainless Steel Liner, Add* | *9.76* | |
| | | *For 2" Wall Instead Of 1", Add* | *43.74* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *67.95* | |
| 23 51 16 00-0013 | LF | 18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 218.04 | 19.75 |
| | | Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness | | |
| | | *For Aluminum Liner, Add* | *9.25* | |
| | | *For 304 Stainless Steel Liner, Add* | *12.61* | |
| | | *For 2" Wall Instead Of 1", Add* | *55.44* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *85.65* | |
| 23 51 16 00-0014 | LF | 20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 277.05 | 31.38 |
| | | Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness | | |
| | | *For Aluminum Liner, Add* | *10.98* | |
| | | *For 304 Stainless Steel Liner, Add* | *14.97* | |
| | | *For 2" Wall Instead Of 1", Add* | *67.63* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *105.32* | |
| 23 51 16 00-0015 | LF | 22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 335.35 | 33.15 |
| | | Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness | | |
| | | *For Aluminum Liner, Add* | *13.84* | |
| | | *For 304 Stainless Steel Liner, Add* | *18.88* | |
| | | *For 2" Wall Instead Of 1", Add* | *83.88* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *130.00* | |
| 23 51 16 00-0016 | LF | 24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 399.15 | 35.26 |
| | | Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness | | |
| | | *For Aluminum Liner, Add* | *17.07* | |
| | | *For 304 Stainless Steel Liner, Add* | *23.27* | |
| | | *For 2" Wall Instead Of 1", Add* | *101.97* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *157.40* | |
| 23 51 16 00-0017 | LF | 26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 464.18 | 36.43 |
| | | Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness | | |
| | | *For Aluminum Liner, Add* | *20.53* | |
| | | *For 304 Stainless Steel Liner, Add* | *27.99* | |
| | | *For 2" Wall Instead Of 1", Add* | *121.06* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *186.14* | |
| 23 51 16 00-0018 | LF | 28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 486.74 | 37.61 |
| | | Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness | | |
| | | *For Aluminum Liner, Add* | *21.60* | |
| | | *For 304 Stainless Steel Liner, Add* | *29.46* | |
| | | *For 2" Wall Instead Of 1", Add* | *127.22* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *195.54* | |
| 23 51 16 00-0019 | LF | 30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 517.24 | 40.32 |
| | | Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness | | |
| | | *For Aluminum Liner, Add* | *22.91* | |
| | | *For 304 Stainless Steel Liner, Add* | *31.25* | |
| | | *For 2" Wall Instead Of 1", Add* | *135.05* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *207.60* | |
| 23 51 16 00-0020 | LF | 32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 586.08 | 41.84 |
| | | *For Aluminum Liner, Add* | *26.49* | |
| | | *For 304 Stainless Steel Liner, Add* | *36.13* | |
| | | *For 2" Wall Instead Of 1", Add* | *154.95* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *237.64* | |
| 23 51 16 00-0021 | LF | 34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 657.36 | 43.37 |
| | | *For Aluminum Liner, Add* | *30.19* | |
| | | *For 304 Stainless Steel Liner, Add* | *41.17* | |
| | | *For 2" Wall Instead Of 1", Add* | *175.53* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *268.72* | |
| 23 51 16 00-0022 | LF | 36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 692.06 | 45.13 |
| | | *For Aluminum Liner, Add* | *31.86* | |
| | | *For 304 Stainless Steel Liner, Add* | *43.45* | |
| | | *For 2" Wall Instead Of 1", Add* | *185.08* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *283.25* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0023 | LF | 38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 750.98 | 47.01 |
| | | *For Aluminum Liner, Add* | *34.85* | |
| | | *For 304 Stainless Steel Liner, Add* | *47.52* | |
| | | *For 2" Wall Instead Of 1", Add* | *201.82* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *308.60* | |
| 23 51 16 00-0024 | LF | 40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 827.79 | 49.01 |
| | | *For Aluminum Liner, Add* | *38.79* | |
| | | *For 304 Stainless Steel Liner, Add* | *52.89* | |
| | | *For 2" Wall Instead Of 1", Add* | *223.82* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *341.86* | |
| 23 51 16 00-0025 | LF | 42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 866.01 | 51.24 |
| | | *For Aluminum Liner, Add* | *40.58* | |
| | | *For 304 Stainless Steel Liner, Add* | *55.33* | |
| | | *For 2" Wall Instead Of 1", Add* | *234.15* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *357.64* | |
| 23 51 16 00-0026 | LF | 44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 958.90 | 53.71 |
| | | *For Aluminum Liner, Add* | *45.35* | |
| | | *For 304 Stainless Steel Liner, Add* | *61.84* | |
| | | *For 2" Wall Instead Of 1", Add* | *260.80* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *397.92* | |
| 23 51 16 00-0027 | LF | 46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 1,041.55 | 56.42 |
| | | *For Aluminum Liner, Add* | *49.53* | |
| | | *For 304 Stainless Steel Liner, Add* | *67.54* | |
| | | *For 2" Wall Instead Of 1", Add* | *284.26* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *433.44* | |
| 23 51 16 00-0028 | LF | 48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 1,146.31 | 59.36 |
| | | *For Aluminum Liner, Add* | *54.90* | |
| | | *For 304 Stainless Steel Liner, Add* | *74.86* | |
| | | *For 2" Wall Instead Of 1", Add* | *314.26* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *478.80* | |

## 23 51 16 00-0029 90 Degree Elbows *(23 51 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0030 | EA | 3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 85.43 | 20.92 |
| | | *For Aluminum Liner, Add* | *1.85* | |
| | | *For 304 Stainless Steel Liner, Add* | *2.52* | |
| | | *For 2" Wall Instead Of 1", Add* | *15.27* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *25.49* | |
| 23 51 16 00-0031 | EA | 4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 94.79 | 22.09 |
| | | *For Aluminum Liner, Add* | *2.18* | |
| | | *For 304 Stainless Steel Liner, Add* | *2.98* | |
| | | *For 2" Wall Instead Of 1", Add* | *17.42* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *28.88* | |
| 23 51 16 00-0032 | EA | 5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 105.87 | 23.50 |
| | | *For Aluminum Liner, Add* | *2.61* | |
| | | *For 304 Stainless Steel Liner, Add* | *3.55* | |
| | | *For 2" Wall Instead Of 1", Add* | *20.06* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *33.02* | |
| 23 51 16 00-0033 | EA | 6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 117.24 | 25.03 |
| | | *For Aluminum Liner, Add* | *3.03* | |
| | | *For 304 Stainless Steel Liner, Add* | *4.13* | |
| | | *For 2" Wall Instead Of 1", Add* | *22.74* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *37.21* | |
| 23 51 16 00-0034 | EA | 7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 140.25 | 26.79 |
| | | *For Aluminum Liner, Add* | *4.05* | |
| | | *For 304 Stainless Steel Liner, Add* | *5.52* | |
| | | *For 2" Wall Instead Of 1", Add* | *28.75* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *46.46* | |
| 23 51 16 00-0035 | EA | 8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 164.50 | 28.91 |
| | | *For Aluminum Liner, Add* | *5.07* | |
| | | *For 304 Stainless Steel Liner, Add* | *6.92* | |
| | | *For 2" Wall Instead Of 1", Add* | *34.89* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *55.96* | |
| 23 51 16 00-0036 | EA | 10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 290.69 | 31.38 |
| | | *For Aluminum Liner, Add* | *11.67* | |
| | | *For 304 Stainless Steel Liner, Add* | *15.91* | |
| | | *For 2" Wall Instead Of 1", Add* | *71.49* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *111.17* | |
| 23 51 16 00-0037 | EA | 12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 352.87 | 34.20 |
| | | *For Aluminum Liner, Add* | *14.71* | |
| | | *For 304 Stainless Steel Liner, Add* | *20.06* | |
| | | *For 2" Wall Instead Of 1", Add* | *88.78* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *137.43* | |
| 23 51 16 00-0038 | EA | 14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 459.35 | 35.85 |
| | | *For Aluminum Liner, Add* | *20.34* | |
| | | *For 304 Stainless Steel Liner, Add* | *27.74* | |
| | | *For 2" Wall Instead Of 1", Add* | *119.90* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *184.32* | |
| 23 51 16 00-0039 | EA | 16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 566.01 | 37.61 |
| | | *For Aluminum Liner, Add* | *25.97* | |
| | | *For 304 Stainless Steel Liner, Add* | *35.41* | |
| | | *For 2" Wall Instead Of 1", Add* | *151.04* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *231.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0040 | EA | 18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 733.53 | 39.61 |
| | | *For Aluminum Liner, Add* | *34.90* | |
| | | *For 304 Stainless Steel Liner, Add* | *47.59* | |
| | | *For 2" Wall Instead Of 1", Add* | *200.25* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *305.32* | |
| 23 51 16 00-0041 | EA | 20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 1,032.87 | 62.64 |
| | | *For Aluminum Liner, Add* | *48.18* | |
| | | *For 304 Stainless Steel Liner, Add* | *65.71* | |
| | | *For 2" Wall Instead Of 1", Add* | *278.51* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *425.60* | |
| 23 51 16 00-0042 | EA | 22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 1,364.86 | 66.40 |
| | | *For Aluminum Liner, Add* | *65.94* | |
| | | *For 304 Stainless Steel Liner, Add* | *89.91* | |
| | | *For 2" Wall Instead Of 1", Add* | *376.26* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *572.69* | |
| 23 51 16 00-0043 | EA | 24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 1,541.32 | 70.51 |
| | | *For Aluminum Liner, Add* | *75.07* | |
| | | *For 304 Stainless Steel Liner, Add* | *102.36* | |
| | | *For 2" Wall Instead Of 1", Add* | *427.10* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *649.48* | |

## 23 51 16 00-0044 45 Degree Elbows *(23 51 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0045 | EA | 3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 71.55 | 20.92 |
| | | *For Aluminum Liner, Add* | *1.07* | |
| | | *For 304 Stainless Steel Liner, Add* | *1.45* | |
| | | *For 2" Wall Instead Of 1", Add* | *11.03* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *19.15* | |
| 23 51 16 00-0046 | EA | 4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 78.18 | 22.09 |
| | | *For Aluminum Liner, Add* | *1.26* | |
| | | *For 304 Stainless Steel Liner, Add* | *1.71* | |
| | | *For 2" Wall Instead Of 1", Add* | *12.38* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *21.34* | |
| 23 51 16 00-0047 | EA | 5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 85.64 | 23.50 |
| | | *For Aluminum Liner, Add* | *1.48* | |
| | | *For 304 Stainless Steel Liner, Add* | *2.01* | |
| | | *For 2" Wall Instead Of 1", Add* | *13.94* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *23.84* | |
| 23 51 16 00-0048 | EA | 6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 94.82 | 25.03 |
| | | *For Aluminum Liner, Add* | *1.77* | |
| | | *For 304 Stainless Steel Liner, Add* | *2.41* | |
| | | *For 2" Wall Instead Of 1", Add* | *15.91* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *27.00* | |
| 23 51 16 00-0049 | EA | 7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 113.24 | 26.79 |
| | | *For Aluminum Liner, Add* | *2.54* | |
| | | *For 304 Stainless Steel Liner, Add* | *3.46* | |
| | | *For 2" Wall Instead Of 1", Add* | *20.55* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *34.18* | |
| 23 51 16 00-0050 | EA | 8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 125.31 | 28.91 |
| | | *For Aluminum Liner, Add* | *2.92* | |
| | | *For 304 Stainless Steel Liner, Add* | *3.98* | |
| | | *For 2" Wall Instead Of 1", Add* | *23.14* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *38.32* | |
| 23 51 16 00-0051 | EA | 10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 210.95 | 31.38 |
| | | *For Aluminum Liner, Add* | *7.29* | |
| | | *For 304 Stainless Steel Liner, Add* | *9.94* | |
| | | *For 2" Wall Instead Of 1", Add* | *47.61* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *75.33* | |
| 23 51 16 00-0052 | EA | 12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 252.61 | 34.20 |
| | | *For Aluminum Liner, Add* | *9.19* | |
| | | *For 304 Stainless Steel Liner, Add* | *12.54* | |
| | | *For 2" Wall Instead Of 1", Add* | *58.69* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *92.31* | |
| 23 51 16 00-0053 | EA | 14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 324.74 | 35.85 |
| | | *For Aluminum Liner, Add* | *12.93* | |
| | | *For 304 Stainless Steel Liner, Add* | *17.64* | |
| | | *For 2" Wall Instead Of 1", Add* | *79.51* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *123.74* | |
| 23 51 16 00-0054 | EA | 16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 389.09 | 37.61 |
| | | *For Aluminum Liner, Add* | *16.23* | |
| | | *For 304 Stainless Steel Liner, Add* | *22.13* | |
| | | *For 2" Wall Instead Of 1", Add* | *97.93* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *151.59* | |
| 23 51 16 00-0055 | EA | 18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 495.51 | 39.61 |
| | | *For Aluminum Liner, Add* | *21.81* | |
| | | *For 304 Stainless Steel Liner, Add* | *29.74* | |
| | | *For 2" Wall Instead Of 1", Add* | *128.86* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *198.24* | |
| 23 51 16 00-0056 | EA | 20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 603.56 | 62.53 |
| | | *For Aluminum Liner, Add* | *24.60* | |
| | | *For 304 Stainless Steel Liner, Add* | *33.55* | |
| | | *For 2" Wall Instead Of 1", Add* | *149.81* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *232.53* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0057 | EA | 22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 839.20 | 66.40 |
| | | *For Aluminum Liner, Add* | *37.03* | |
| | | *For 304 Stainless Steel Liner, Add* | *50.49* | |
| | | *For 2" Wall Instead Of 1", Add* | *218.56* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *336.14* | |
| 23 51 16 00-0058 | EA | 24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 1,029.21 | 70.51 |
| | | *For Aluminum Liner, Add* | *46.92* | |
| | | *For 304 Stainless Steel Liner, Add* | *63.98* | |
| | | *For 2" Wall Instead Of 1", Add* | *273.53* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *419.10* | |
| 23 51 16 00-0059 | EA | 26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 1,865.07 | 72.87 |
| | | *For Aluminum Liner, Add* | *92.57* | |
| | | *For 304 Stainless Steel Liner, Add* | *126.23* | |
| | | *For 2" Wall Instead Of 1", Add* | *523.11* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *793.77* | |
| 23 51 16 00-0060 | EA | 28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 1,917.05 | 75.21 |
| | | *For Aluminum Liner, Add* | *95.10* | |
| | | *For 304 Stainless Steel Liner, Add* | *129.68* | |
| | | *For 2" Wall Instead Of 1", Add* | *537.53* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *815.69* | |
| 23 51 16 00-0061 | EA | 30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 2,021.02 | 79.92 |
| | | *For Aluminum Liner, Add* | *100.17* | |
| | | *For 304 Stainless Steel Liner, Add* | *136.60* | |
| | | *For 2" Wall Instead Of 1", Add* | *566.37* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *859.54* | |
| 23 51 16 00-0062 | EA | 32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 2,257.43 | 82.27 |
| | | *For Aluminum Liner, Add* | *112.85* | |
| | | *For 304 Stainless Steel Liner, Add* | *153.89* | |
| | | *For 2" Wall Instead Of 1", Add* | *636.12* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *964.46* | |
| 23 51 16 00-0063 | EA | 34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 2,465.15 | 86.97 |
| | | *For Aluminum Liner, Add* | *123.63* | |
| | | *For 304 Stainless Steel Liner, Add* | *168.59* | |
| | | *For 2" Wall Instead Of 1", Add* | *696.09* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,055.00* | |
| 23 51 16 00-0064 | EA | 36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 2,540.41 | 94.02 |
| | | *For Aluminum Liner, Add* | *126.80* | |
| | | *For 304 Stainless Steel Liner, Add* | *172.91* | |
| | | *For 2" Wall Instead Of 1", Add* | *715.14* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,084.46* | |
| 23 51 16 00-0065 | EA | 38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 2,721.53 | 97.32 |
| | | *For Aluminum Liner, Add* | *136.31* | |
| | | *For 304 Stainless Steel Liner, Add* | *185.88* | |
| | | *For 2" Wall Instead Of 1", Add* | *767.84* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,163.91* | |
| 23 51 16 00-0066 | EA | 40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 2,897.98 | 98.73 |
| | | *For Aluminum Liner, Add* | *145.82* | |
| | | *For 304 Stainless Steel Liner, Add* | *198.85* | |
| | | *For 2" Wall Instead Of 1", Add* | *820.06* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,242.43* | |
| 23 51 16 00-0067 | EA | 42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 3,024.99 | 103.43 |
| | | *For Aluminum Liner, Add* | *152.16* | |
| | | *For 304 Stainless Steel Liner, Add* | *207.50* | |
| | | *For 2" Wall Instead Of 1", Add* | *855.82* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,296.65* | |
| 23 51 16 00-0068 | EA | 44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 3,209.64 | 108.13 |
| | | *For Aluminum Liner, Add* | *161.67* | |
| | | *For 304 Stainless Steel Liner, Add* | *220.46* | |
| | | *For 2" Wall Instead Of 1", Add* | *908.87* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,376.81* | |
| 23 51 16 00-0069 | EA | 46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 3,451.93 | 112.82 |
| | | *For Aluminum Liner, Add* | *174.35* | |
| | | *For 304 Stainless Steel Liner, Add* | *237.75* | |
| | | *For 2" Wall Instead Of 1", Add* | *979.21* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,482.90* | |
| 23 51 16 00-0070 | EA | 48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe | 3,578.94 | 117.52 |
| | | *For Aluminum Liner, Add* | *180.69* | |
| | | *For 304 Stainless Steel Liner, Add* | *246.40* | |
| | | *For 2" Wall Instead Of 1", Add* | *1,014.96* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,537.12* | |

### 23 51 16 00-0071 Tees *(23 51 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0072 | EA | 3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 117.00 | 27.85 |
| | | *For Aluminum Liner, Add* | *2.60* | |
| | | *For 304 Stainless Steel Liner, Add* | *3.54* | |
| | | *For 2" Wall Instead Of 1", Add* | *21.15* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *35.22* | |
| 23 51 16 00-0073 | EA | 4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 121.85 | 28.91 |
| | | *For Aluminum Liner, Add* | *2.73* | |
| | | *For 304 Stainless Steel Liner, Add* | *3.72* | |
| | | *For 2" Wall Instead Of 1", Add* | *22.10* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *36.76* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0074 | EA | 5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 127.09 | 30.09 |
| | | *For Aluminum Liner, Add* | *2.85* | |
| | | *For 304 Stainless Steel Liner, Add* | *3.89* | |
| | | *For 2" Wall Instead Of 1", Add* | *23.08* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *38.39* | |
| 23 51 16 00-0075 | EA | 6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 136.04 | 31.38 |
| | | *For Aluminum Liner, Add* | *3.17* | |
| | | *For 304 Stainless Steel Liner, Add* | *4.32* | |
| | | *For 2" Wall Instead Of 1", Add* | *25.13* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *41.62* | |
| 23 51 16 00-0076 | EA | 7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 161.34 | 32.67 |
| | | *For Aluminum Liner, Add* | *4.37* | |
| | | *For 304 Stainless Steel Liner, Add* | *5.97* | |
| | | *For 2" Wall Instead Of 1", Add* | *32.04* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *52.15* | |
| 23 51 16 00-0077 | EA | 8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 173.04 | 34.20 |
| | | *For Aluminum Liner, Add* | *4.82* | |
| | | *For 304 Stainless Steel Liner, Add* | *6.57* | |
| | | *For 2" Wall Instead Of 1", Add* | *34.83* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *56.51* | |
| 23 51 16 00-0078 | EA | 10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 327.02 | 35.85 |
| | | *For Aluminum Liner, Add* | *13.06* | |
| | | *For 304 Stainless Steel Liner, Add* | *17.81* | |
| | | *For 2" Wall Instead Of 1", Add* | *80.20* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *124.77* | |
| 23 51 16 00-0079 | EA | 12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 379.87 | 37.61 |
| | | *For Aluminum Liner, Add* | *15.72* | |
| | | *For 304 Stainless Steel Liner, Add* | *21.44* | |
| | | *For 2" Wall Instead Of 1", Add* | *95.16* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *147.44* | |
| 23 51 16 00-0080 | EA | 14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 570.16 | 41.84 |
| | | *For Aluminum Liner, Add* | *25.61* | |
| | | *For 304 Stainless Steel Liner, Add* | *34.93* | |
| | | *For 2" Wall Instead Of 1", Add* | *150.16* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *230.46* | |
| 23 51 16 00-0081 | EA | 16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 776.85 | 47.01 |
| | | *For Aluminum Liner, Add* | *36.27* | |
| | | *For 304 Stainless Steel Liner, Add* | *49.45* | |
| | | *For 2" Wall Instead Of 1", Add* | *209.56* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *320.21* | |
| 23 51 16 00-0082 | EA | 18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 964.27 | 53.71 |
| | | *For Aluminum Liner, Add* | *45.65* | |
| | | *For 304 Stainless Steel Liner, Add* | *62.25* | |
| | | *For 2" Wall Instead Of 1", Add* | *262.42* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *400.35* | |
| 23 51 16 00-0083 | EA | 20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 1,283.98 | 66.40 |
| | | *For Aluminum Liner, Add* | *61.50* | |
| | | *For 304 Stainless Steel Liner, Add* | *83.86* | |
| | | *For 2" Wall Instead Of 1", Add* | *352.03* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *536.34* | |
| 23 51 16 00-0084 | EA | 22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 1,611.67 | 86.73 |
| | | *For Aluminum Liner, Add* | *76.72* | |
| | | *For 304 Stainless Steel Liner, Add* | *104.61* | |
| | | *For 2" Wall Instead Of 1", Add* | *440.13* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *671.04* | |
| 23 51 16 00-0085 | EA | 24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 1,854.56 | 91.67 |
| | | *For Aluminum Liner, Add* | *89.40* | |
| | | *For 304 Stainless Steel Liner, Add* | *121.90* | |
| | | *For 2" Wall Instead Of 1", Add* | *510.53* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *777.25* | |
| 23 51 16 00-0086 | EA | 26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 2,552.41 | 98.73 |
| | | *For Aluminum Liner, Add* | *126.80* | |
| | | *For 304 Stainless Steel Liner, Add* | *172.91* | |
| | | *For 2" Wall Instead Of 1", Add* | *716.34* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,086.86* | |
| 23 51 16 00-0087 | EA | 28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 2,850.06 | 102.60 |
| | | *For Aluminum Liner, Add* | *142.65* | |
| | | *For 304 Stainless Steel Liner, Add* | *194.53* | |
| | | *For 2" Wall Instead Of 1", Add* | *803.74* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,218.43* | |
| 23 51 16 00-0088 | EA | 30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 3,094.53 | 108.13 |
| | | *For Aluminum Liner, Add* | *155.33* | |
| | | *For 304 Stainless Steel Liner, Add* | *211.82* | |
| | | *For 2" Wall Instead Of 1", Add* | *874.30* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,324.96* | |
| 23 51 16 00-0089 | EA | 32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 3,567.31 | 112.82 |
| | | *For Aluminum Liner, Add* | *180.69* | |
| | | *For 304 Stainless Steel Liner, Add* | *246.40* | |
| | | *For 2" Wall Instead Of 1", Add* | *1,013.80* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,534.79* | |
| 23 51 16 00-0090 | EA | 34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 3,636.79 | 117.52 |
| | | *For Aluminum Liner, Add* | *183.86* | |
| | | *For 304 Stainless Steel Liner, Add* | *250.72* | |
| | | *For 2" Wall Instead Of 1", Add* | *1,032.27* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,563.10* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0091 | EA | 36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 4,232.91 | 125.40 |
| | | *For Aluminum Liner, Add* | *215.56* | |
| | | *For 304 Stainless Steel Liner, Add* | *293.95* | |
| | | *For 2" Wall Instead Of 1", Add* | *1,207.16* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,826.42* | |
| 23 51 16 00-0092 | EA | 38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 4,329.70 | 141.03 |
| | | *For Aluminum Liner, Add* | *218.73* | |
| | | *For 304 Stainless Steel Liner, Add* | *298.27* | |
| | | *For 2" Wall Instead Of 1", Add* | *1,228.37* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,860.19* | |
| 23 51 16 00-0093 | EA | 40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 4,725.85 | 161.24 |
| | | *For Aluminum Liner, Add* | *237.75* | |
| | | *For 304 Stainless Steel Liner, Add* | *324.21* | |
| | | *For 2" Wall Instead Of 1", Add* | *1,337.15* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *2,025.87* | |
| 23 51 16 00-0094 | EA | 42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 5,196.38 | 188.05 |
| | | *For Aluminum Liner, Add* | *259.94* | |
| | | *For 304 Stainless Steel Liner, Add* | *354.47* | |
| | | *For 2" Wall Instead Of 1", Add* | *1,464.89* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *2,220.84* | |
| 23 51 16 00-0095 | EA | 44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 5,658.18 | 211.55 |
| | | *For Aluminum Liner, Add* | *282.14* | |
| | | *For 304 Stainless Steel Liner, Add* | *384.73* | |
| | | *For 2" Wall Instead Of 1", Add* | *1,591.76* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *2,414.07* | |
| 23 51 16 00-0096 | EA | 46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 6,194.59 | 218.61 |
| | | *For Aluminum Liner, Add* | *310.67* | |
| | | *For 304 Stainless Steel Liner, Add* | *423.63* | |
| | | *For 2" Wall Instead Of 1", Add* | *1,749.15* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *2,651.03* | |
| 23 51 16 00-0097 | EA | 48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe | 6,558.24 | 225.65 |
| | | *For Aluminum Liner, Add* | *329.69* | |
| | | *For 304 Stainless Steel Liner, Add* | *449.57* | |
| | | *For 2" Wall Instead Of 1", Add* | *1,854.68* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *2,810.22* | |
| **23 51 16 00-0098** | | **Vent Top Caps** *(23 51 16 00-0001)* | | |
| 23 51 16 00-0099 | EA | 3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 58.75 | 16.33 |
| | | *For Aluminum Liner, Add* | *0.98* | |
| | | *For 304 Stainless Steel Liner, Add* | *1.34* | |
| | | *For 2" Wall Instead Of 1", Add* | *9.45* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *16.22* | |
| 23 51 16 00-0100 | EA | 4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 61.56 | 17.16 |
| | | *For Aluminum Liner, Add* | *1.03* | |
| | | *For 304 Stainless Steel Liner, Add* | *1.41* | |
| | | *For 2" Wall Instead Of 1", Add* | *9.91* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *17.01* | |
| 23 51 16 00-0101 | EA | 6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 79.63 | 18.81 |
| | | *For Aluminum Liner, Add* | *1.79* | |
| | | *For 304 Stainless Steel Liner, Add* | *2.45* | |
| | | *For 2" Wall Instead Of 1", Add* | *14.49* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *24.08* | |
| 23 51 16 00-0102 | EA | 8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 84.80 | 20.92 |
| | | *For Aluminum Liner, Add* | *1.79* | |
| | | *For 304 Stainless Steel Liner, Add* | *2.45* | |
| | | *For 2" Wall Instead Of 1", Add* | *15.00* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *25.12* | |
| 23 51 16 00-0103 | EA | 10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 103.31 | 22.09 |
| | | *For Aluminum Liner, Add* | *2.64* | |
| | | *For 304 Stainless Steel Liner, Add* | *3.61* | |
| | | *For 2" Wall Instead Of 1", Add* | *19.95* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *32.68* | |
| 23 51 16 00-0104 | EA | 12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 122.16 | 23.50 |
| | | *For Aluminum Liner, Add* | *3.49* | |
| | | *For 304 Stainless Steel Liner, Add* | *4.76* | |
| | | *For 2" Wall Instead Of 1", Add* | *24.90* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *40.28* | |
| 23 51 16 00-0105 | EA | 16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 289.59 | 26.79 |
| | | *For Aluminum Liner, Add* | *12.24* | |
| | | *For 304 Stainless Steel Liner, Add* | *16.69* | |
| | | *For 2" Wall Instead Of 1", Add* | *73.46* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *113.54* | |
| 23 51 16 00-0106 | EA | 18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 540.41 | 33.61 |
| | | *For Aluminum Liner, Add* | *25.11* | |
| | | *For 304 Stainless Steel Liner, Add* | *34.24* | |
| | | *For 2" Wall Instead Of 1", Add* | *145.34* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *222.20* | |
| 23 51 16 00-0107 | EA | 20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 999.87 | 40.32 |
| | | *For Aluminum Liner, Add* | *49.45* | |
| | | *For 304 Stainless Steel Liner, Add* | *67.44* | |
| | | *For 2" Wall Instead Of 1", Add* | *279.82* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *424.76* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0108 | EA | 24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 1,662.68 | 56.42 |
| | | *For Aluminum Liner, Add* | *83.69* | |
| | | *For 304 Stainless Steel Liner, Add* | *114.12* | |
| | | *For 2" Wall Instead Of 1", Add* | *470.59* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *712.94* | |
| 23 51 16 00-0109 | EA | 26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 2,453.89 | 59.36 |
| | | *For Aluminum Liner, Add* | *126.80* | |
| | | *For 304 Stainless Steel Liner, Add* | *172.91* | |
| | | *For 2" Wall Instead Of 1", Add* | *706.49* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,067.15* | |
| 23 51 16 00-0110 | EA | 28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 2,750.38 | 62.64 |
| | | *For Aluminum Liner, Add* | *142.65* | |
| | | *For 304 Stainless Steel Liner, Add* | *194.53* | |
| | | *For 2" Wall Instead Of 1", Add* | *793.77* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,198.50* | |
| 23 51 16 00-0111 | EA | 30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 3,105.51 | 66.40 |
| | | *For Aluminum Liner, Add* | *161.67* | |
| | | *For 304 Stainless Steel Liner, Add* | *220.46* | |
| | | *For 2" Wall Instead Of 1", Add* | *898.45* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,355.98* | |
| 23 51 16 00-0112 | EA | 32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 3,288.79 | 70.51 |
| | | *For Aluminum Liner, Add* | *171.18* | |
| | | *For 304 Stainless Steel Liner, Add* | *233.43* | |
| | | *For 2" Wall Instead Of 1", Add* | *951.36* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,435.86* | |
| 23 51 16 00-0113 | EA | 34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 3,473.44 | 75.21 |
| | | *For Aluminum Liner, Add* | *180.69* | |
| | | *For 304 Stainless Steel Liner, Add* | *246.40* | |
| | | *For 2" Wall Instead Of 1", Add* | *1,004.41* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,516.02* | |
| 23 51 16 00-0114 | EA | 36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe | 3,717.27 | 80.62 |
| | | *For Aluminum Liner, Add* | *193.37* | |
| | | *For 304 Stainless Steel Liner, Add* | *263.69* | |
| | | *For 2" Wall Instead Of 1", Add* | *1,074.90* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *1,622.42* | |

## 23 51 16 00-0115 Wall Thimbles *(23 51 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0116 | EA | 3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe | 24.02 | 8.81 |
| | | *For Aluminum Liner, Add* | *0.11* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.15* | |
| | | *For 2" Wall Instead Of 1", Add* | *2.81* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *5.32* | |
| 23 51 16 00-0117 | EA | 4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe | 30.43 | 11.29 |
| | | *For Aluminum Liner, Add* | *0.12* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.16* | |
| | | *For 2" Wall Instead Of 1", Add* | *3.47* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *6.61* | |
| 23 51 16 00-0118 | EA | 5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe | 40.49 | 15.16 |
| | | *For Aluminum Liner, Add* | *0.14* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.19* | |
| | | *For 2" Wall Instead Of 1", Add* | *4.57* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *8.74* | |
| 23 51 16 00-0119 | EA | 7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe | 50.68 | 18.81 |
| | | *For Aluminum Liner, Add* | *0.20* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.28* | |
| | | *For 2" Wall Instead Of 1", Add* | *5.80* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *11.05* | |
| 23 51 16 00-0120 | EA | 10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe | 72.90 | 25.38 |
| | | *For Aluminum Liner, Add* | *0.52* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.71* | |
| | | *For 2" Wall Instead Of 1", Add* | *9.18* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *16.94* | |
| 23 51 16 00-0121 | EA | 12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe | 92.12 | 31.50 |
| | | *For Aluminum Liner, Add* | *0.74* | |
| | | *For 304 Stainless Steel Liner, Add* | *1.00* | |
| | | *For 2" Wall Instead Of 1", Add* | *11.89* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *21.77* | |
| 23 51 16 00-0122 | EA | 14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe | 116.69 | 37.61 |
| | | *For Aluminum Liner, Add* | *1.25* | |
| | | *For 304 Stainless Steel Liner, Add* | *1.70* | |
| | | *For 2" Wall Instead Of 1", Add* | *16.20* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *29.01* | |
| 23 51 16 00-0123 | EA | 18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe | 152.22 | 44.66 |
| | | *For Aluminum Liner, Add* | *2.23* | |
| | | *For 304 Stainless Steel Liner, Add* | *3.04* | |
| | | *For 2" Wall Instead Of 1", Add* | *23.34* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *40.59* | |
| 23 51 16 00-0124 | EA | 22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe | 204.96 | 49.36 |
| | | *For Aluminum Liner, Add* | *4.49* | |
| | | *For 304 Stainless Steel Liner, Add* | *6.12* | |
| | | *For 2" Wall Instead Of 1", Add* | *36.81* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *61.38* | |

## 23 51 16 00-0125 Adjustable Roof Flashing *(23 51 16 00-0001)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0126 | EA | 3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe | 65.45 | 20.92 |
| | | *For Aluminum Liner, Add* | *0.73* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.99* | |
| | | *For 2" Wall Instead Of 1", Add* | *9.20* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *16.41* | |
| 23 51 16 00-0127 | EA | 4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe | 72.40 | 22.09 |
| | | *For Aluminum Liner, Add* | *0.94* | |
| | | *For 304 Stainless Steel Liner, Add* | *1.28* | |
| | | *For 2" Wall Instead Of 1", Add* | *10.65* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *18.75* | |
| 23 51 16 00-0128 | EA | 6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe | 91.23 | 25.03 |
| | | *For Aluminum Liner, Add* | *1.57* | |
| | | *For 304 Stainless Steel Liner, Add* | *2.14* | |
| | | *For 2" Wall Instead Of 1", Add* | *14.84* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *25.39* | |
| 23 51 16 00-0129 | EA | 8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe | 111.36 | 28.91 |
| | | *For Aluminum Liner, Add* | *2.15* | |
| | | *For 304 Stainless Steel Liner, Add* | *2.93* | |
| | | *For 2" Wall Instead Of 1", Add* | *18.95* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *32.04* | |
| 23 51 16 00-0130 | EA | 10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe | 185.61 | 31.38 |
| | | *For Aluminum Liner, Add* | *5.90* | |
| | | *For 304 Stainless Steel Liner, Add* | *8.04* | |
| | | *For 2" Wall Instead Of 1", Add* | *40.00* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *63.92* | |
| 23 51 16 00-0131 | EA | 12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe | 221.45 | 34.20 |
| | | *For Aluminum Liner, Add* | *7.48* | |
| | | *For 304 Stainless Steel Liner, Add* | *10.20* | |
| | | *For 2" Wall Instead Of 1", Add* | *49.35* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *78.30* | |
| 23 51 16 00-0132 | EA | 14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe | 261.17 | 37.61 |
| | | *For Aluminum Liner, Add* | *9.19* | |
| | | *For 304 Stainless Steel Liner, Add* | *12.54* | |
| | | *For 2" Wall Instead Of 1", Add* | *59.55* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *94.02* | |
| 23 51 16 00-0133 | EA | 16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe | 312.09 | 41.84 |
| | | *For Aluminum Liner, Add* | *11.41* | |
| | | *For 304 Stainless Steel Liner, Add* | *15.56* | |
| | | *For 2" Wall Instead Of 1", Add* | *72.71* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *114.29* | |
| 23 51 16 00-0134 | EA | 18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe | 474.92 | 47.01 |
| | | *For Aluminum Liner, Add* | *19.65* | |
| | | *For 304 Stainless Steel Liner, Add* | *26.80* | |
| | | *For 2" Wall Instead Of 1", Add* | *118.96* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *184.32* | |
| 23 51 16 00-0135 | EA | 20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe | 520.97 | 62.64 |
| | | *For Aluminum Liner, Add* | *20.03* | |
| | | *For 304 Stainless Steel Liner, Add* | *27.32* | |
| | | *For 2" Wall Instead Of 1", Add* | *124.95* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *195.26* | |
| 23 51 16 00-0136 | EA | 22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe | 662.62 | 80.62 |
| | | *For Aluminum Liner, Add* | *25.36* | |
| | | *For 304 Stainless Steel Liner, Add* | *34.58* | |
| | | *For 2" Wall Instead Of 1", Add* | *158.48* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *247.80* | |
| 23 51 16 00-0137 | EA | 24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe | 788.38 | 94.02 |
| | | *For Aluminum Liner, Add* | *30.43* | |
| | | *For 304 Stainless Steel Liner, Add* | *41.50* | |
| | | *For 2" Wall Instead Of 1", Add* | *189.50* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *296.01* | |

## 23 51 16 00-0138 Galvanized Storm Collars *(23 51 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0139 | EA | 3" Round Galvanized Storm Collar, Double Wall | 25.80 | 8.81 |
| | | *For Aluminum Liner, Add* | *0.21* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.29* | |
| | | *For 2" Wall Instead Of 1", Add* | *3.35* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *6.12* | |
| 23 51 16 00-0140 | EA | 4" Round Galvanized Storm Collar, Double Wall | 32.60 | 11.29 |
| | | *For Aluminum Liner, Add* | *0.24* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.33* | |
| | | *For 2" Wall Instead Of 1", Add* | *4.14* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *7.62* | |
| 23 51 16 00-0141 | EA | 5" Round Galvanized Storm Collar, Double Wall | 38.37 | 13.16 |
| | | *For Aluminum Liner, Add* | *0.30* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.41* | |
| | | *For 2" Wall Instead Of 1", Add* | *4.93* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *9.04* | |
| 23 51 16 00-0142 | EA | 6" Round Galvanized Storm Collar, Double Wall | 44.17 | 15.04 |
| | | *For Aluminum Liner, Add* | *0.36* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.49* | |
| | | *For 2" Wall Instead Of 1", Add* | *5.73* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *10.47* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0143 | EA | 7" Or 8" Round Galvanized Storm Collar, Double Wall | 55.74 | 18.81 |
| | | *For Aluminum Liner, Add* | *0.48* | |
| | | *For 304 Stainless Steel Liner, Add* | *0.65* | |
| | | *For 2" Wall Instead Of 1", Add* | *7.32* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *13.33* | |
| 23 51 16 00-0144 | EA | 10" Round Galvanized Storm Collar, Double Wall | 77.15 | 25.38 |
| | | *For Aluminum Liner, Add* | *0.75* | |
| | | *For 304 Stainless Steel Liner, Add* | *1.03* | |
| | | *For 2" Wall Instead Of 1", Add* | *10.45* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *18.85* | |
| 23 51 16 00-0145 | EA | 12" Round Galvanized Storm Collar, Double Wall | 95.19 | 31.50 |
| | | *For Aluminum Liner, Add* | *0.90* | |
| | | *For 304 Stainless Steel Liner, Add* | *1.23* | |
| | | *For 2" Wall Instead Of 1", Add* | *12.81* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *23.15* | |
| 23 51 16 00-0146 | EA | 14" Or 16" Round Galvanized Storm Collar, Double Wall | 121.91 | 37.61 |
| | | *For Aluminum Liner, Add* | *1.53* | |
| | | *For 304 Stainless Steel Liner, Add* | *2.09* | |
| | | *For 2" Wall Instead Of 1", Add* | *17.77* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *31.36* | |
| 23 51 16 00-0147 | EA | 18" Or 20" Round Galvanized Storm Collar, Double Wall | 162.14 | 44.66 |
| | | *For Aluminum Liner, Add* | *2.78* | |
| | | *For 304 Stainless Steel Liner, Add* | *3.79* | |
| | | *For 2" Wall Instead Of 1", Add* | *26.31* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *45.05* | |
| 23 51 16 00-0148 | EA | 22" Or 24" Round Galvanized Storm Collar, Double Wall | 229.81 | 49.36 |
| | | *For Aluminum Liner, Add* | *5.85* | |
| | | *For 304 Stainless Steel Liner, Add* | *7.98* | |
| | | *For 2" Wall Instead Of 1", Add* | *44.26* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *72.56* | |

## 23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

## 23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0149)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0151 | LF | 4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 44.15 | 11.05 |
| | | *For 2" Wall Instead Of 1", Add* | *7.72* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *12.96* | |
| 23 51 16 00-0152 | LF | 5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 48.78 | 11.75 |
| | | *For 2" Wall Instead Of 1", Add* | *8.80* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *14.66* | |
| 23 51 16 00-0153 | LF | 6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe | 54.12 | 12.58 |
| | | *For 2" Wall Instead Of 1", Add* | *9.96* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *16.51* | |

## 23 51 16 00-0154 45 Degree Elbows *(23 51 16 00-0149)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0155 | EA | 4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe | 96.93 | 22.92 |
| | | *For 2" Wall Instead Of 1", Add* | *17.61* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *29.29* | |
| 23 51 16 00-0156 | EA | 5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe | 113.10 | 26.79 |
| | | *For 2" Wall Instead Of 1", Add* | *20.53* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *34.15* | |
| 23 51 16 00-0157 | EA | 6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe | 134.95 | 30.32 |
| | | *For 2" Wall Instead Of 1", Add* | *25.32* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *41.77* | |
| 23 51 16 00-0158 | EA | 4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe | 98.91 | 22.92 |
| | | *For 2" Wall Instead Of 1", Add* | *18.21* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *30.18* | |
| 23 51 16 00-0159 | EA | 5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe | 117.91 | 26.79 |
| | | *For 2" Wall Instead Of 1", Add* | *21.98* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *36.31* | |
| 23 51 16 00-0160 | EA | 6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe | 138.06 | 30.32 |
| | | *For 2" Wall Instead Of 1", Add* | *26.25* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *43.17* | |

## 23 51 16 00-0161 Tees *(23 51 16 00-0149)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0162 | EA | 4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe | 162.59 | 34.79 |
| | | *For 2" Wall Instead Of 1", Add* | *31.37* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *51.40* | |
| 23 51 16 00-0163 | EA | 4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe | 165.70 | 34.79 |
| | | *For 2" Wall Instead Of 1", Add* | *32.30* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *52.80* | |
| 23 51 16 00-0164 | EA | 5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe | 190.42 | 39.96 |
| | | *For 2" Wall Instead Of 1", Add* | *37.15* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *60.71* | |
| 23 51 16 00-0165 | EA | 6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe | 218.02 | 44.78 |
| | | *For 2" Wall Instead Of 1", Add* | *43.02* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *70.12* | |

## 23 51 16 00-0166 Tops/Caps And Adjustable Flashing *(23 51 16 00-0149)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0167 | EA | 4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe | 62.55 | 11.29 |
| | | *For 2" Wall Instead Of 1", Add* | *13.10* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *21.07* | |
| 23 51 16 00-0168 | EA | 6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe | 98.02 | 15.16 |
| | | *For 2" Wall Instead Of 1", Add* | *21.82* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *34.63* | |
| 23 51 16 00-0169 | EA | 4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe | 50.38 | 11.29 |
| | | *For 2" Wall Instead Of 1", Add* | *9.45* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *15.59* | |
| 23 51 16 00-0170 | EA | 6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe | 86.57 | 15.16 |
| | | *For 2" Wall Instead Of 1", Add* | *18.39* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *29.48* | |
| **23 51 16 00-0171** | | **Storm Collars** *(23 51 16 00-0149)* | | |
| 23 51 16 00-0172 | EA | 4" Oval Galvanized Storm Collar, Double Wall | 32.60 | 11.29 |
| | | *For 2" Wall Instead Of 1", Add* | *4.14* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *7.62* | |
| 23 51 16 00-0173 | EA | 5" Oval Galvanized Storm Collar, Double Wall | 38.37 | 13.16 |
| | | *For 2" Wall Instead Of 1", Add* | *4.93* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *9.04* | |
| 23 51 16 00-0174 | EA | 6" Oval Galvanized Storm Collar, Double Wall | 44.17 | 15.04 |
| | | *For 2" Wall Instead Of 1", Add* | *5.73* | |
| | | *For 3" To 4" Wall Instead Of 1", Add* | *10.47* | |
| **23 51 16 00-0175** | | **Round Double Wall Flue/Vent Pipe And Fittings** *(23 51 16)* | | |
| | | Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation. | | |
| **23 51 16 00-0176** | | **Round Double Wall Flue/Vent Pipe** *(23 51 16 00-0175)* | | |
| | | Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation. | | |
| 23 51 16 00-0177 | LF | 6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 119.49 | 12.58 |
| | | *For 316 Stainless Steel, Add* | *14.10* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *8.81* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *17.62* | |
| 23 51 16 00-0178 | LF | 8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 143.75 | 14.46 |
| | | *For 316 Stainless Steel, Add* | *17.21* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *10.75* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *21.51* | |
| 23 51 16 00-0179 | LF | 10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 159.61 | 15.63 |
| | | *For 316 Stainless Steel, Add* | *19.28* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *12.05* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *24.10* | |
| 23 51 16 00-0180 | LF | 12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 180.07 | 17.04 |
| | | *For 316 Stainless Steel, Add* | *21.97* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *13.73* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *27.47* | |
| 23 51 16 00-0181 | LF | 14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 202.86 | 17.86 |
| | | *For 316 Stainless Steel, Add* | *25.29* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *15.81* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *31.61* | |
| 23 51 16 00-0182 | LF | 16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 214.23 | 18.81 |
| | | *For 316 Stainless Steel, Add* | *26.74* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *16.71* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *33.43* | |
| 23 51 16 00-0183 | LF | 18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 237.41 | 19.87 |
| | | *For 316 Stainless Steel, Add* | *30.06* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *18.79* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *37.57* | |
| 23 51 16 00-0184 | LF | 20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 293.47 | 31.38 |
| | | *For 316 Stainless Steel, Add* | *34.41* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *21.51* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *43.01* | |
| 23 51 16 00-0185 | LF | 24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 365.42 | 35.26 |
| | | *For 316 Stainless Steel, Add* | *44.36* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *27.73* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *55.45* | |
| 23 51 16 00-0186 | LF | 28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 412.70 | 37.61 |
| | | *For 316 Stainless Steel, Add* | *51.00* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *31.87* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *63.74* | |
| 23 51 16 00-0187 | LF | 32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 461.95 | 41.73 |
| | | *For 316 Stainless Steel, Add* | *57.21* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *35.76* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *71.52* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0188 | LF | 36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 514.33 | 45.13 |
| | | *For 316 Stainless Steel, Add* | *64.26* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *40.16* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *80.33* | |
| 23 51 16 00-0189 | LF | 42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 587.15 | 51.36 |
| | | *For 316 Stainless Steel, Add* | *73.38* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *45.87* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *91.73* | |
| 23 51 16 00-0190 | LF | 48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 687.66 | 59.47 |
| | | *For 316 Stainless Steel, Add* | *86.24* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *53.90* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *107.80* | |

## 23 51 16 00-0191 90 Degree Elbows *(23 51 16 00-0175)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0192 | EA | 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 565.01 | 25.98 |
| | | *For 316 Stainless Steel, Add* | *100.02* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *50.01* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *100.02* | |
| 23 51 16 00-0193 | EA | 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 624.21 | 28.91 |
| | | *For 316 Stainless Steel, Add* | *110.39* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *55.19* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *110.39* | |
| 23 51 16 00-0194 | EA | 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 710.69 | 31.38 |
| | | *For 316 Stainless Steel, Add* | *126.45* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *63.23* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *126.45* | |
| 23 51 16 00-0195 | EA | 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 803.23 | 34.20 |
| | | *For 316 Stainless Steel, Add* | *143.56* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *71.78* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *143.56* | |
| 23 51 16 00-0196 | EA | 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 931.73 | 35.85 |
| | | *For 316 Stainless Steel, Add* | *168.43* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *84.22* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *168.43* | |
| 23 51 16 00-0197 | EA | 16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,026.85 | 37.61 |
| | | *For 316 Stainless Steel, Add* | *186.57* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *93.29* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *186.57* | |
| 23 51 16 00-0198 | EA | 18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,187.28 | 39.61 |
| | | *For 316 Stainless Steel, Add* | *217.67* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *108.83* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *217.67* | |
| 23 51 16 00-0199 | EA | 20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,374.60 | 62.64 |
| | | *For 316 Stainless Steel, Add* | *243.58* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *121.79* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *243.58* | |
| 23 51 16 00-0200 | EA | 24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,692.17 | 70.51 |
| | | *For 316 Stainless Steel, Add* | *303.18* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *151.59* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *303.18* | |
| 23 51 16 00-0201 | EA | 28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,053.75 | 75.21 |
| | | *For 316 Stainless Steel, Add* | *373.14* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *186.57* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *373.14* | |
| 23 51 16 00-0202 | EA | 32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,714.91 | 80.51 |
| | | *For 316 Stainless Steel, Add* | *502.70* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *251.35* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *502.70* | |
| 23 51 16 00-0203 | EA | 36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 3,085.44 | 94.02 |
| | | *For 316 Stainless Steel, Add* | *570.08* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *285.04* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *570.08* | |
| 23 51 16 00-0204 | EA | 42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 4,531.92 | 102.60 |
| | | *For 316 Stainless Steel, Add* | *855.11* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *427.56* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *855.11* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0205 | EA | 48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 5,658.90 | 112.82 |
| | | *For 316 Stainless Steel, Add* | *1,075.37* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *537.68* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *1,075.37* | |
| 23 51 16 00-0206 | | 45 Degree Elbows *(23 51 16 00-0175)* | | |
| 23 51 16 00-0207 | EA | 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 376.18 | 25.03 |
| | | *For 316 Stainless Steel, Add* | *62.71* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *31.35* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *62.71* | |
| 23 51 16 00-0208 | EA | 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 429.86 | 28.91 |
| | | *For 316 Stainless Steel, Add* | *71.52* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *35.76* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *71.52* | |
| 23 51 16 00-0209 | EA | 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 477.45 | 31.38 |
| | | *For 316 Stainless Steel, Add* | *79.81* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *39.91* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *79.81* | |
| 23 51 16 00-0210 | EA | 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 544.10 | 34.20 |
| | | *For 316 Stainless Steel, Add* | *91.73* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *45.87* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *91.73* | |
| 23 51 16 00-0211 | EA | 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 612.99 | 35.85 |
| | | *For 316 Stainless Steel, Add* | *104.69* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *52.34* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *104.69* | |
| 23 51 16 00-0212 | EA | 16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 687.40 | 37.61 |
| | | *For 316 Stainless Steel, Add* | *118.68* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *59.34* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *118.68* | |
| 23 51 16 00-0213 | EA | 18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 770.08 | 39.61 |
| | | *For 316 Stainless Steel, Add* | *134.23* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *67.11* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *134.23* | |
| 23 51 16 00-0214 | EA | 20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 923.73 | 62.64 |
| | | *For 316 Stainless Steel, Add* | *153.40* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *76.70* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *153.40* | |
| 23 51 16 00-0215 | EA | 24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,160.98 | 70.51 |
| | | *For 316 Stainless Steel, Add* | *196.94* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *98.47* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *196.94* | |
| 23 51 16 00-0216 | EA | 28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,302.29 | 75.21 |
| | | *For 316 Stainless Steel, Add* | *222.85* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *111.42* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *222.85* | |
| 23 51 16 00-0217 | EA | 32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,691.37 | 80.51 |
| | | *For 316 Stainless Steel, Add* | *297.99* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *149.00* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *297.99* | |
| 23 51 16 00-0218 | EA | 36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,243.28 | 94.02 |
| | | *For 316 Stainless Steel, Add* | *401.64* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *200.82* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *401.64* | |
| 23 51 16 00-0219 | EA | 42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,977.17 | 102.60 |
| | | *For 316 Stainless Steel, Add* | *544.16* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *272.08* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *544.16* | |
| 23 51 16 00-0220 | EA | 48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 3,974.61 | 112.82 |
| | | *For 316 Stainless Steel, Add* | *738.51* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *369.25* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *738.51* | |
| 23 51 16 00-0221 | | Tees *(23 51 16 00-0175)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0222 | EA | 6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 407.52 | 31.38 |
| | | *For 316 Stainless Steel, Add* | *72.40* | |
| | | *For Tee Cap, Add* | *93.27* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *32.91* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *65.82* | |
| 23 51 16 00-0223 | EA | 8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 463.77 | 34.20 |
| | | *For 316 Stainless Steel, Add* | *83.23* | |
| | | *For Tee Cap, Add* | *105.57* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *37.83* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *75.66* | |
| 23 51 16 00-0224 | EA | 10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 532.63 | 35.85 |
| | | *For 316 Stainless Steel, Add* | *97.48* | |
| | | *For Tee Cap, Add* | *119.96* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *44.31* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *88.62* | |
| 23 51 16 00-0225 | EA | 12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 612.24 | 37.61 |
| | | *For 316 Stainless Steel, Add* | *114.02* | |
| | | *For Tee Cap, Add* | *136.55* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *51.83* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *103.65* | |
| 23 51 16 00-0226 | EA | 14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 716.01 | 41.84 |
| | | *For 316 Stainless Steel, Add* | *134.54* | |
| | | *For Tee Cap, Add* | *158.87* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *61.15* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *122.31* | |
| 23 51 16 00-0227 | EA | 16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 804.13 | 47.01 |
| | | *For 316 Stainless Steel, Add* | *151.07* | |
| | | *For Tee Cap, Add* | *178.44* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *68.67* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *137.34* | |
| 23 51 16 00-0228 | EA | 18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 937.50 | 53.71 |
| | | *For 316 Stainless Steel, Add* | *176.72* | |
| | | *For Tee Cap, Add* | *207.63* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *80.33* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *160.66* | |
| 23 51 16 00-0229 | EA | 20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,072.85 | 66.40 |
| | | *For 316 Stainless Steel, Add* | *199.53* | |
| | | *For Tee Cap, Add* | *239.46* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *90.69* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *181.39* | |
| 23 51 16 00-0230 | EA | 24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,362.25 | 94.02 |
| | | *For 316 Stainless Steel, Add* | *247.98* | |
| | | *For Tee Cap, Add* | *307.71* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *112.72* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *225.44* | |
| 23 51 16 00-0231 | EA | 28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,655.63 | 102.60 |
| | | *For 316 Stainless Steel, Add* | *307.84* | |
| | | *For Tee Cap, Add* | *369.58* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *139.93* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *279.85* | |
| 23 51 16 00-0232 | EA | 32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,199.58 | 112.82 |
| | | *For 316 Stainless Steel, Add* | *421.85* | |
| | | *For Tee Cap, Add* | *482.23* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *191.75* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *383.50* | |
| 23 51 16 00-0233 | EA | 36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,451.35 | 125.40 |
| | | *For 316 Stainless Steel, Add* | *470.31* | |
| | | *For Tee Cap, Add* | *537.31* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *213.78* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *427.56* | |
| 23 51 16 00-0234 | EA | 42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 3,903.52 | 188.05 |
| | | *For 316 Stainless Steel, Add* | *755.35* | |
| | | *For Tee Cap, Add* | *851.22* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *343.34* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *686.68* | |
| 23 51 16 00-0235 | EA | 48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 4,904.51 | 225.65 |
| | | *For 316 Stainless Steel, Add* | *954.87* | |
| | | *For Tee Cap, Add* | *1,065.53* | |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *434.03* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *868.07* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 51 16 00-0236** | | **Bellows** *(23 51 16 00-0175)* | | |
| 23 51 16 00-0237 | EA | 6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 772.64 | 25.03 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *71.00* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *142.00* | |
| 23 51 16 00-0238 | EA | 8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 841.87 | 28.91 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *76.96* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *153.92* | |
| 23 51 16 00-0239 | EA | 10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 920.59 | 31.38 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *84.22* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *168.43* | |
| 23 51 16 00-0240 | EA | 12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,018.30 | 34.20 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *93.29* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *186.57* | |
| 23 51 16 00-0241 | EA | 14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,139.02 | 35.85 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *104.95* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *209.89* | |
| 23 51 16 00-0242 | EA | 16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,260.06 | 37.61 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *116.61* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *233.21* | |
| 23 51 16 00-0243 | EA | 18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,407.53 | 39.61 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *130.86* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *261.72* | |
| 23 51 16 00-0244 | EA | 20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,633.70 | 62.64 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *147.70* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *295.40* | |
| 23 51 16 00-0245 | EA | 24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,016.10 | 70.51 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *183.98* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *367.96* | |
| 23 51 16 00-0246 | EA | 28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,261.07 | 75.21 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *207.30* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *414.60* | |
| 23 51 16 00-0247 | EA | 32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,585.47 | 80.62 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *238.40* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *476.79* | |
| 23 51 16 00-0248 | EA | 36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,955.89 | 94.02 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *272.08* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *544.16* | |
| 23 51 16 00-0249 | EA | 42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 3,754.57 | 102.60 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *349.82* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *699.64* | |
| 23 51 16 00-0250 | EA | 48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 4,557.64 | 112.82 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *427.56* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *855.11* | |
| **23 51 16 00-0251** | | **Ventilated Roof Thimbles** *(23 51 16 00-0175)* | | |
| 23 51 16 00-0252 | EA | 6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 512.82 | 28.91 |
| | | *For 316 Stainless Steel, Add* | *44.05* | |
| 23 51 16 00-0253 | EA | 8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 557.06 | 34.20 |
| | | *For 316 Stainless Steel, Add* | *47.16* | |
| 23 51 16 00-0254 | EA | 10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 609.65 | 37.61 |
| | | *For 316 Stainless Steel, Add* | *51.57* | |
| 23 51 16 00-0255 | EA | 12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 659.06 | 41.84 |
| | | *For 316 Stainless Steel, Add* | *55.45* | |
| 23 51 16 00-0256 | EA | 14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 838.78 | 44.30 |
| | | *For 316 Stainless Steel, Add* | *72.81* | |
| 23 51 16 00-0257 | EA | 16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 749.76 | 47.01 |
| | | *For 316 Stainless Steel, Add* | *63.23* | |
| 23 51 16 00-0258 | EA | 18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 806.92 | 50.18 |
| | | *For 316 Stainless Steel, Add* | *68.15* | |
| 23 51 16 00-0259 | EA | 20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 907.04 | 70.51 |
| | | *For 316 Stainless Steel, Add* | *73.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0260 | EA | 24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,017.50 | 80.51 |
| | | *For 316 Stainless Steel, Add* | *81.62* | |
| 23 51 16 00-0261 | EA | 28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,162.65 | 86.73 |
| | | *For 316 Stainless Steel, Add* | *94.58* | |
| 23 51 16 00-0262 | EA | 32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,297.32 | 93.90 |
| | | *For 316 Stainless Steel, Add* | *106.24* | |
| 23 51 16 00-0263 | EA | 36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,447.96 | 112.71 |
| | | *For 316 Stainless Steel, Add* | *116.61* | |
| 23 51 16 00-0264 | EA | 42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,855.06 | 125.29 |
| | | *For 316 Stainless Steel, Add* | *154.18* | |
| 23 51 16 00-0265 | EA | 48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,295.78 | 140.91 |
| | | *For 316 Stainless Steel, Add* | *194.34* | |
| **23 51 16 00-0266** | | **Exit Cones** *(23 51 16 00-0175)* | | |
| 23 51 16 00-0267 | EA | 6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 354.46 | 16.33 |
| 23 51 16 00-0268 | EA | 8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 373.88 | 17.86 |
| 23 51 16 00-0269 | EA | 10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 402.00 | 18.81 |
| 23 51 16 00-0270 | EA | 12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 420.03 | 19.75 |
| 23 51 16 00-0271 | EA | 14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 462.82 | 20.33 |
| 23 51 16 00-0272 | EA | 16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 505.61 | 20.80 |
| 23 51 16 00-0273 | EA | 18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 613.39 | 21.51 |
| 23 51 16 00-0274 | EA | 20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 766.70 | 40.32 |
| 23 51 16 00-0275 | EA | 24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 963.58 | 43.37 |
| 23 51 16 00-0276 | EA | 28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,149.34 | 45.13 |
| 23 51 16 00-0277 | EA | 32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,413.16 | 47.01 |
| 23 51 16 00-0278 | EA | 36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,605.27 | 51.36 |
| 23 51 16 00-0279 | EA | 42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,025.97 | 53.71 |
| 23 51 16 00-0280 | EA | 48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,589.77 | 56.42 |
| **23 51 16 00-0281** | | **Vent Top Caps** *(23 51 16 00-0175)* | | |
| 23 51 16 00-0282 | EA | 6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 388.06 | 16.33 |
| 23 51 16 00-0283 | EA | 8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 449.03 | 17.86 |
| 23 51 16 00-0284 | EA | 10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 521.17 | 18.81 |
| 23 51 16 00-0285 | EA | 12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 598.79 | 19.75 |
| 23 51 16 00-0286 | EA | 14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 698.57 | 20.33 |
| 23 51 16 00-0287 | EA | 16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 793.31 | 20.92 |
| 23 51 16 00-0288 | EA | 18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 882.92 | 21.51 |
| 23 51 16 00-0289 | EA | 20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,059.40 | 40.32 |
| 23 51 16 00-0290 | EA | 24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,261.57 | 43.37 |
| 23 51 16 00-0291 | EA | 28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,369.53 | 45.13 |
| 23 51 16 00-0292 | EA | 32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,555.60 | 47.01 |
| 23 51 16 00-0293 | EA | 36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,812.43 | 51.24 |
| 23 51 16 00-0294 | EA | 42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,207.28 | 53.71 |
| 23 51 16 00-0295 | EA | 48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,563.78 | 56.42 |
| **23 51 16 00-0296** | | **Roof Support Assemblies** *(23 51 16 00-0175)* | | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0297 | EA | 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 585.60 | 30.09 |
| | | *For 316 Stainless Steel, Add* | *102.10* | |
| 23 51 16 00-0298 | EA | 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 646.68 | 35.85 |
| | | *For 316 Stainless Steel, Add* | *111.42* | |
| 23 51 16 00-0299 | EA | 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 710.43 | 39.61 |
| | | *For 316 Stainless Steel, Add* | *122.31* | |
| 23 51 16 00-0300 | EA | 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 758.35 | 44.19 |
| | | *For 316 Stainless Steel, Add* | *129.56* | |
| 23 51 16 00-0301 | EA | 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 845.66 | 47.01 |
| | | *For 316 Stainless Steel, Add* | *145.63* | |
| 23 51 16 00-0302 | EA | 16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 897.57 | 50.18 |
| | | *For 316 Stainless Steel, Add* | *154.44* | |
| 23 51 16 00-0303 | EA | 18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 963.63 | 53.83 |
| | | *For 316 Stainless Steel, Add* | *165.84* | |
| 23 51 16 00-0304 | EA | 20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,069.07 | 75.21 |
| | | *For 316 Stainless Steel, Add* | *176.20* | |
| 23 51 16 00-0305 | EA | 24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,201.68 | 86.85 |
| | | *For 316 Stainless Steel, Add* | *196.94* | |
| 23 51 16 00-0306 | EA | 28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,388.17 | 94.02 |
| | | *For 316 Stainless Steel, Add* | *230.62* | |
| 23 51 16 00-0307 | EA | 32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,655.65 | 102.60 |
| | | *For 316 Stainless Steel, Add* | *279.85* | |
| 23 51 16 00-0308 | EA | 36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 1,920.15 | 125.40 |
| | | *For 316 Stainless Steel, Add* | *321.32* | |
| 23 51 16 00-0309 | EA | 42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 2,866.06 | 141.03 |
| | | *For 316 Stainless Steel, Add* | *502.70* | |
| 23 51 16 00-0310 | EA | 48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket | 3,510.34 | 160.31 |
| | | *For 316 Stainless Steel, Add* | *621.90* | |

### 23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: With 1" insulation.

### 23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe *(23 51 16 00-0311)*

Note: With 1" insulation.

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0313 | LF | 6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe | 103.95 | 12.58 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *7.26* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *14.51* | |
| 23 51 16 00-0314 | LF | 7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe | 126.89 | 13.40 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *9.33* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *18.66* | |
| 23 51 16 00-0315 | LF | 8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe | 145.04 | 14.46 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *10.88* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *21.77* | |
| 23 51 16 00-0316 | LF | 10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe | 197.14 | 15.63 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *15.81* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *31.61* | |
| 23 51 16 00-0317 | LF | 12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe | 255.26 | 17.16 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *21.25* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *42.50* | |
| 23 51 16 00-0318 | LF | 14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe | 324.75 | 17.98 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *27.99* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *55.97* | |

### 23 51 16 00-0319 90 Degree Elbows *(23 51 16 00-0311)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0320 | EA | 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe | 224.64 | 25.03 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *16.20* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *32.39* | |
| 23 51 16 00-0321 | EA | 7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe | 248.49 | 26.79 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *18.14* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *36.28* | |
| 23 51 16 00-0322 | EA | 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe | 279.61 | 28.91 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *20.73* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *41.46* | |
| 23 51 16 00-0323 | EA | 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe | 347.89 | 31.38 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *26.95* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *53.90* | |
| 23 51 16 00-0324 | EA | 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe | 414.55 | 34.20 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *32.91* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *65.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0325 | EA | 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe | 483.37 | 35.85 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *39.39* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *78.77* | |

## 23 51 16 00-0326 45 Degree Elbows *(23 51 16 00-0311)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0327 | EA | 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe | 184.15 | 25.03 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *12.15* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *24.29* | |
| 23 51 16 00-0328 | EA | 7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe | 203.14 | 26.79 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *13.60* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *27.21* | |
| 23 51 16 00-0329 | EA | 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe | 227.80 | 28.91 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *15.55* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *31.10* | |
| 23 51 16 00-0330 | EA | 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe | 280.52 | 31.38 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *20.21* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *40.42* | |
| 23 51 16 00-0331 | EA | 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe | 332.26 | 34.20 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *24.68* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *49.36* | |
| 23 51 16 00-0332 | EA | 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe | 384.96 | 35.85 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *29.54* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *59.08* | |

## 23 51 16 00-0333 Tees With Tee Caps *(23 51 16 00-0311)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0334 | EA | 6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe | 368.40 | 25.03 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *30.58* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *61.15* | |
| 23 51 16 00-0335 | EA | 7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe | 466.16 | 26.79 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *39.91* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *79.81* | |
| 23 51 16 00-0336 | EA | 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe | 523.16 | 28.91 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *45.09* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *90.18* | |
| 23 51 16 00-0337 | EA | 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe | 713.18 | 31.38 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *63.49* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *126.97* | |
| 23 51 16 00-0338 | EA | 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe | 979.39 | 34.20 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *89.40* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *178.80* | |
| 23 51 16 00-0339 | EA | 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe | 1,255.53 | 35.85 |
| | | *For 2" Insulated Wall Instead Of 1" Thickness, Add* | *116.61* | |
| | | *For 3" Insulated Wall Instead Of 1" Thickness, Add* | *233.21* | |

## 23 51 16 00-0340 Joist Shields *(23 51 16 00-0311)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0341 | EA | 6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe | 155.94 | 25.03 |
| 23 51 16 00-0342 | EA | 7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe | 168.17 | 26.79 |
| 23 51 16 00-0343 | EA | 8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe | 196.66 | 28.91 |
| 23 51 16 00-0344 | EA | 10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe | 245.58 | 31.38 |
| 23 51 16 00-0345 | EA | 12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe | 294.04 | 34.20 |
| 23 51 16 00-0346 | EA | 14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe | 348.62 | 35.85 |

## 23 51 16 00-0347 Adjustable Roof Flashing *(23 51 16 00-0311)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0348 | EA | 6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe | 185.72 | 25.03 |
| 23 51 16 00-0349 | EA | 7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe | 207.03 | 26.79 |
| 23 51 16 00-0350 | EA | 8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe | 225.14 | 28.91 |
| 23 51 16 00-0351 | EA | 10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe | 274.05 | 31.38 |
| 23 51 16 00-0352 | EA | 12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe | 338.17 | 34.20 |
| 23 51 16 00-0353 | EA | 14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe | 405.59 | 35.72 |

## 23 51 16 00-0354 Vent Top Caps *(23 51 16 00-0311)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0355 | EA | 6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe | 166.30 | 25.03 |
| 23 51 16 00-0356 | EA | 7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe | 208.32 | 26.79 |
| 23 51 16 00-0357 | EA | 8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe | 261.43 | 28.91 |
| 23 51 16 00-0358 | EA | 10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe | 417.90 | 31.38 |
| 23 51 16 00-0359 | EA | 12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe | 570.06 | 34.20 |
| 23 51 16 00-0360 | EA | 14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe | 726.97 | 35.85 |

## 23 51 16 00-0361 Roof Support Assemblies *(23 51 16 00-0311)*

| | | | | |
|---|---|---|---|---|
| 23 51 16 00-0362 | EA | 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe | 247.82 | 25.03 |
| 23 51 16 00-0363 | EA | 7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe | 275.70 | 26.79 |
| 23 51 16 00-0364 | EA | 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe | 298.98 | 28.91 |
| 23 51 16 00-0365 | EA | 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe | 376.33 | 31.38 |
| 23 51 16 00-0366 | EA | 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe | 445.63 | 34.20 |
| 23 51 16 00-0367 | EA | 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe | 545.59 | 35.85 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0368 | | Polyvinyl Chloride (PVC) Flue/Vent Accessories *(23 51 16)* | | |
| 23 51 16 00-0369 | | Concentric Polyvinyl Chloride (PVC) Vent Termination *(23 51 16 00-0368)* | | |
| 23 51 16 00-0370 | EA | 2" Concentric Polyvinyl Chloride (PVC) Vent Termination | 248.04 | 47.86 |
| 23 51 16 00-0371 | EA | 3" Concentric Polyvinyl Chloride (PVC) Vent Termination | 269.80 | 47.86 |
| 23 51 16 00-0372 | | Polypropylene (PP) Flue/Vent Pipe And Fittings *(23 51 16)* | | |
| | | Note: Centrotherm InnoFlue® Vent System | | |
| 23 51 16 00-0373 | | Polypropylene Flue/Vent Rigid Pipe Sections *(23 51 16 00-0372)* | | |
| | | Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends. | | |
| 23 51 16 00-0374 | EA | 2" x 12" Polypropylene Flue/Vent Rigid Pipe Section | 44.96 | 14.54 |
| 23 51 16 00-0375 | EA | 2" x 24" Polypropylene Flue/Vent Rigid Pipe Section | 51.42 | 15.30 |
| 23 51 16 00-0376 | EA | 2" x 36" Polypropylene Flue/Vent Rigid Pipe Section | 59.07 | 17.01 |
| 23 51 16 00-0377 | EA | 2" x 72" Polypropylene Flue/Vent Rigid Pipe Section | 73.63 | 20.01 |
| 23 51 16 00-0378 | EA | 3" x 12" Polypropylene Flue/Vent Rigid Pipe Section | 54.25 | 16.66 |
| 23 51 16 00-0379 | EA | 3" x 24" Polypropylene Flue/Vent Rigid Pipe Section | 66.13 | 17.55 |
| 23 51 16 00-0380 | EA | 3" x 36" Polypropylene Flue/Vent Rigid Pipe Section | 81.64 | 19.49 |
| 23 51 16 00-0381 | EA | 3" x 72" Polypropylene Flue/Vent Rigid Pipe Section | 101.27 | 22.93 |
| 23 51 16 00-0382 | EA | 4" x 12" Polypropylene Flue/Vent Rigid Pipe Section | 91.05 | 22.05 |
| 23 51 16 00-0383 | EA | 4" x 24" Polypropylene Flue/Vent Rigid Pipe Section | 108.24 | 23.20 |
| 23 51 16 00-0384 | EA | 4" x 36" Polypropylene Flue/Vent Rigid Pipe Section | 135.38 | 25.79 |
| 23 51 16 00-0385 | EA | 4" x 72" Polypropylene Flue/Vent Rigid Pipe Section | 176.18 | 30.34 |
| 23 51 16 00-0386 | EA | 5" x 12" Polypropylene Flue/Vent Rigid Pipe Section | 135.11 | 32.54 |
| 23 51 16 00-0387 | EA | 5" x 24" Polypropylene Flue/Vent Rigid Pipe Section | 155.23 | 34.24 |
| 23 51 16 00-0388 | EA | 5" x 36" Polypropylene Flue/Vent Rigid Pipe Section | 203.47 | 38.06 |
| 23 51 16 00-0389 | EA | 5" x 72" Polypropylene Flue/Vent Rigid Pipe Section | 265.67 | 44.78 |
| 23 51 16 00-0390 | | Polypropylene Flue/Vent Elbows *(23 51 16 00-0372)* | | |
| | | Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends. | | |
| 23 51 16 00-0391 | EA | 2" Polypropylene Flue/Vent 15 Degree Elbow | 55.65 | 17.66 |
| 23 51 16 00-0392 | EA | 3" Polypropylene Flue/Vent 15 Degree Elbow | 65.63 | 18.60 |
| 23 51 16 00-0393 | EA | 4" Polypropylene Flue/Vent 15 Degree Elbow | 82.93 | 19.27 |
| 23 51 16 00-0394 | EA | 5" Polypropylene Flue/Vent 15 Degree Elbow | 96.87 | 20.06 |
| 23 51 16 00-0395 | EA | 2" Polypropylene Flue/Vent 30 Degree Elbow | 55.65 | 17.66 |
| 23 51 16 00-0396 | EA | 3" Polypropylene Flue/Vent 30 Degree Elbow | 65.63 | 18.60 |
| 23 51 16 00-0397 | EA | 4" Polypropylene Flue/Vent 30 Degree Elbow | 82.93 | 19.27 |
| 23 51 16 00-0398 | EA | 5" Polypropylene Flue/Vent 30 Degree Elbow | 96.87 | 20.06 |
| 23 51 16 00-0399 | EA | 2" Polypropylene Flue/Vent 45 Degree Elbow | 55.65 | 17.66 |
| 23 51 16 00-0400 | EA | 3" Polypropylene Flue/Vent 45 Degree Elbow | 65.63 | 18.60 |
| 23 51 16 00-0401 | EA | 4" Polypropylene Flue/Vent 45 Degree Elbow | 82.93 | 19.27 |
| 23 51 16 00-0402 | EA | 5" Polypropylene Flue/Vent 45 Degree Elbow | 96.87 | 20.06 |
| 23 51 16 00-0403 | EA | 2" Polypropylene Flue/Vent 87 Degree Elbow | 55.65 | 17.66 |
| 23 51 16 00-0404 | EA | 3" Polypropylene Flue/Vent 87 Degree Elbow | 65.63 | 18.60 |
| 23 51 16 00-0405 | EA | 4" Polypropylene Flue/Vent 87 Degree Elbow | 81.85 | 19.27 |
| 23 51 16 00-0406 | EA | 5" Polypropylene Flue/Vent 87 Degree Elbow | 99.54 | 20.06 |
| 23 51 16 00-0407 | | Polypropylene Flue/Vent Tees *(23 51 16 00-0372)* | | |
| | | Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends. | | |
| 23 51 16 00-0408 | EA | 2" Polypropylene Flue/Vent Tee | 180.01 | 26.50 |
| 23 51 16 00-0409 | EA | 3" Polypropylene Flue/Vent Tee | 227.47 | 27.90 |
| 23 51 16 00-0410 | EA | 4" Polypropylene Flue/Vent Tee | 267.87 | 28.91 |
| 23 51 16 00-0411 | EA | 5" Polypropylene Flue/Vent Tee | 293.46 | 30.09 |
| 23 51 16 00-0412 | | Polypropylene Flue/Vent Adaptors *(23 51 16 00-0372)* | | |
| | | Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends. | | |
| 23 51 16 00-0413 | EA | 2" Polypropylene Flue/Vent Adaptor With Gasket | 66.19 | 17.66 |
| 23 51 16 00-0414 | EA | 3" Polypropylene Flue/Vent Adaptor With Gasket | 96.31 | 18.60 |
| 23 51 16 00-0415 | EA | 4" Polypropylene Flue/Vent Adaptor With Gasket | 112.63 | 19.27 |
| 23 51 16 00-0416 | EA | 5" Polypropylene Flue/Vent Adaptor With Gasket | 154.94 | 20.06 |
| 23 51 16 00-0417 | | Polypropylene Flue/Vent Increases *(23 51 16 00-0372)* | | |
| | | Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends. | | |
| 23 51 16 00-0418 | EA | 2" to 3" Polypropylene Flue/Vent Centric Increaser | 73.67 | 18.13 |
| 23 51 16 00-0419 | EA | 3" to 4" Polypropylene Flue/Vent Centric Increaser | 80.87 | 18.93 |
| 23 51 16 00-0420 | EA | 4" to 5" Polypropylene Flue/Vent Centric Increaser | 148.56 | 19.66 |
| 23 51 16 00-0421 | EA | 2" to 3" Polypropylene Flue/Vent Eccentric Increaser | 100.70 | 18.13 |
| 23 51 16 00-0422 | EA | 3" to 4" Polypropylene Flue/Vent Eccentric Increaser | 78.67 | 18.93 |
| 23 51 16 00-0423 | EA | 4" to 5" Polypropylene Flue/Vent Eccentric Increaser | 206.30 | 19.66 |
| 23 51 16 00-0424 | | Polypropylene Flue/Vent Reducers *(23 51 16 00-0372)* | | |
| | | Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends. | | |
| 23 51 16 00-0425 | EA | 3" to 2" Polypropylene Flue/Vent Reducer | 73.67 | 18.13 |
| 23 51 16 00-0426 | EA | 4" to 3" Polypropylene Flue/Vent Reducer | 80.87 | 18.93 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0427 | EA | 5" to 4" Polypropylene Flue/Vent Reducer | 184.56 | 19.66 |
| **23 51 16 00-0428** | | **Polypropylene Flue/Vent Test Ports** *(23 51 16 00-0372)* | | |
| | | Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends. | | |
| 23 51 16 00-0429 | EA | 2" Polypropylene Flue/Vent Test Port | 92.69 | 26.50 |
| 23 51 16 00-0430 | EA | 3" Polypropylene Flue/Vent Test Port | 104.36 | 27.90 |
| 23 51 16 00-0431 | EA | 4" Polypropylene Flue/Vent Test Port | 162.69 | 28.91 |
| 23 51 16 00-0432 | EA | 5" Polypropylene Flue/Vent Test Port | 173.88 | 30.09 |
| **23 51 16 00-0433** | | **Polypropylene Flue/Vent Cascade Components** *(23 51 16 00-0372)* | | |
| | | Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends. | | |
| 23 51 16 00-0434 | EA | 4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder | 272.72 | 28.91 |
| 23 51 16 00-0435 | EA | 4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder | 357.54 | 36.14 |
| 23 51 16 00-0436 | EA | 5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder | 222.97 | 30.09 |
| 23 51 16 00-0437 | EA | 5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder | 331.78 | 37.61 |
| 23 51 16 00-0438 | EA | 3" to 4" Polypropylene Flue/Vent Non-Return Valve | 351.95 | 18.93 |
| 23 51 16 00-0439 | EA | 4" to 4" Polypropylene Flue/Vent Non-Return Valve | 407.94 | 19.66 |
| **23 51 16 00-0440** | | **Polypropylene Flue/Vent Condensate Management** *(23 51 16 00-0372)* | | |
| | | Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends. | | |
| 23 51 16 00-0441 | EA | 2" Polypropylene Flue/Vent Horizontal Drain Tee | 129.19 | 26.50 |
| 23 51 16 00-0442 | EA | 3" Polypropylene Flue/Vent Horizontal Drain Tee | 157.01 | 27.90 |
| 23 51 16 00-0443 | EA | 4" Polypropylene Flue/Vent Horizontal Drain Tee | 180.48 | 28.91 |
| 23 51 16 00-0444 | EA | 5" Polypropylene Flue/Vent Horizontal Drain Tee | 206.54 | 30.09 |
| 23 51 16 00-0445 | EA | 4" Polypropylene Flue/Vent Horizontal Drain Fittings | 229.87 | 28.91 |
| 23 51 16 00-0446 | EA | 5" Polypropylene Flue/Vent Horizontal Drain Fittings | 253.81 | 30.09 |
| 23 51 16 00-0447 | EA | 2" Polypropylene Flue/Vent Tee Cap | 75.81 | 8.84 |
| 23 51 16 00-0448 | EA | 3" Polypropylene Flue/Vent Tee Cap | 97.76 | 9.29 |
| 23 51 16 00-0449 | EA | 4" Polypropylene Flue/Vent Tee Cap | 116.49 | 9.64 |
| 23 51 16 00-0450 | EA | 5" Polypropylene Flue/Vent Tee Cap | 152.68 | 10.03 |
| 23 51 16 00-0451 | EA | 2" Polypropylene Flue/Vent Tee Cap With Drain | 144.99 | 26.50 |
| 23 51 16 00-0452 | EA | 3" Polypropylene Flue/Vent Tee Cap With Drain | 178.91 | 27.90 |
| 23 51 16 00-0453 | EA | 4" Polypropylene Flue/Vent Tee Cap With Drain | 207.65 | 28.91 |
| 23 51 16 00-0454 | EA | 5" Polypropylene Flue/Vent Tee Cap With Drain | 251.21 | 30.09 |
| **23 51 16 00-0455** | | **Polypropylene Flue/Vent Terminations** *(23 51 16 00-0372)* | | |
| 23 51 16 00-0456 | EA | 2" Polypropylene-UV Black Flue/Vent Chimney Cover | 192.00 | 17.66 |
| 23 51 16 00-0457 | EA | 3" Polypropylene-UV Black Flue/Vent Chimney Cover | 168.75 | 18.60 |
| 23 51 16 00-0458 | EA | 4" Polypropylene-UV Black Flue/Vent Chimney Cover | 212.02 | 19.27 |
| 23 51 16 00-0459 | EA | 3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe | 437.47 | 18.60 |
| 23 51 16 00-0460 | EA | 4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe | 467.24 | 19.27 |
| 23 51 16 00-0461 | EA | 5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe | 545.95 | 20.06 |
| 23 51 16 00-0462 | EA | 2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar | 111.85 | 17.66 |
| 23 51 16 00-0463 | EA | 2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar | 118.62 | 17.66 |
| 23 51 16 00-0464 | EA | 2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar | 125.39 | 17.66 |
| 23 51 16 00-0465 | EA | 2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar | 132.16 | 17.66 |
| 23 51 16 00-0466 | EA | 3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar | 120.96 | 18.60 |
| 23 51 16 00-0467 | EA | 3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar | 127.73 | 18.60 |
| 23 51 16 00-0468 | EA | 3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar | 134.50 | 18.60 |
| 23 51 16 00-0469 | EA | 3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar | 141.27 | 18.60 |
| 23 51 16 00-0470 | EA | 4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar | 136.19 | 19.27 |
| 23 51 16 00-0471 | EA | 4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar | 142.96 | 19.27 |
| 23 51 16 00-0472 | EA | 4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar | 149.73 | 19.27 |
| 23 51 16 00-0473 | EA | 2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination | 118.55 | 17.66 |
| 23 51 16 00-0474 | EA | 3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination | 152.77 | 18.60 |
| 23 51 16 00-0475 | EA | 2" Polypropylene-UV Black Flue/Vent Termination Tee | 136.53 | 26.50 |
| 23 51 16 00-0476 | EA | 3" Polypropylene-UV Black Flue/Vent Termination Tee | 181.29 | 27.90 |
| 23 51 16 00-0477 | EA | 4" Polypropylene-UV Black Flue/Vent Termination Tee | 215.22 | 28.91 |
| 23 51 16 00-0478 | EA | 5" Polypropylene-UV Black Flue/Vent Termination Tee | 237.51 | 30.09 |
| 23 51 16 00-0479 | EA | 2" x 20" Polypropylene-UV Black Flue/Vent End Pipe | 47.31 | 15.30 |
| 23 51 16 00-0480 | EA | 2" x 39" Polypropylene-UV Black Flue/Vent End Pipe | 56.90 | 17.01 |
| 23 51 16 00-0481 | EA | 3" x 20" Polypropylene-UV Black Flue/Vent End Pipe | 57.11 | 17.55 |
| 23 51 16 00-0482 | EA | 3" x 39" Polypropylene-UV Black Flue/Vent End Pipe | 71.90 | 19.49 |
| 23 51 16 00-0483 | EA | 4" x 20" Polypropylene-UV Black Flue/Vent End Pipe | 86.94 | 23.20 |
| 23 51 16 00-0484 | EA | 5" x 20" Polypropylene-UV Black Flue/Vent End Pipe | 119.50 | 34.24 |
| 23 51 16 00-0485 | EA | 5" x 39" Polypropylene-UV Black Flue/Vent End Pipe | 145.61 | 38.06 |
| 23 51 16 00-0486 | EA | 2" x 24" Polypropylene-UV Black Flue/Vent Vent Length | 52.74 | 15.30 |
| 23 51 16 00-0487 | EA | 3" x 24" Polypropylene-UV Black Flue/Vent Vent Length | 68.36 | 17.55 |
| 23 51 16 00-0488 | EA | 4" x 24" Polypropylene-UV Black Flue/Vent Vent Length | 113.26 | 23.20 |
| 23 51 16 00-0489 | EA | 2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow | 57.81 | 17.66 |
| 23 51 16 00-0490 | EA | 3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow | 68.34 | 18.60 |
| 23 51 16 00-0491 | EA | 4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow | 86.39 | 19.27 |
| 23 51 16 00-0492 | EA | 2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow | 56.79 | 17.66 |
| 23 51 16 00-0493 | EA | 3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow | 67.66 | 18.60 |
| 23 51 16 00-0494 | EA | 4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow | 85.20 | 19.27 |
| 23 51 16 00-0495 | EA | 2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent | 37.69 | 8.84 |
| 23 51 16 00-0496 | EA | 3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent | 44.17 | 9.29 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 51 16 00-0497 | EA | 4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent | 49.68 | 9.64 |
| 23 51 16 00-0498 | EA | 3" Stainless Steel Bird Screen For Polypropylene Flue/Vent | 99.63 | 9.29 |
| 23 51 16 00-0499 | EA | 5" Stainless Steel Bird Screen For Polypropylene Flue/Vent | 114.65 | 10.03 |
| **23 51 16 00-0500** | | **Polypropylene Flue/Vent Accessories** *(23 51 16 00-0372)* | | |
| 23 51 16 00-0501 | EA | 2" Spacer For Polypropylene Flue/Vent | 19.23 | 4.42 |
| 23 51 16 00-0502 | EA | 3" Spacer For Polypropylene Flue/Vent | 18.20 | 4.65 |
| 23 51 16 00-0503 | EA | 4" Spacer For Polypropylene Flue/Vent | 18.74 | 4.82 |
| 23 51 16 00-0504 | EA | 5" Spacer For Polypropylene Flue/Vent | 30.25 | 5.01 |
| 23 51 16 00-0505 | EA | 2" Flue Clamp For Polypropylene Flue/Vent | 36.75 | 6.63 |
| 23 51 16 00-0506 | EA | 3" Flue Clamp For Polypropylene Flue/Vent | 43.38 | 6.97 |
| 23 51 16 00-0507 | EA | 4" Flue Clamp For Polypropylene Flue/Vent | 50.55 | 7.23 |
| 23 51 16 00-0508 | EA | 2" Support Clamp For Polypropylene Flue/Vent | 34.86 | 6.63 |
| 23 51 16 00-0509 | EA | 4" Support Clamp For Polypropylene Flue/Vent | 34.61 | 7.23 |
| 23 51 16 00-0510 | EA | 5" Support Clamp For Polypropylene Flue/Vent | 42.53 | 7.52 |
| 23 51 16 00-0511 | EA | 3" Plastic Support Clamp For Polypropylene Flue/Vent | 26.10 | 6.97 |
| 23 51 16 00-0512 | EA | 2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent | 50.98 | 17.66 |
| 23 51 16 00-0513 | EA | 3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent | 56.45 | 18.60 |
| 23 51 16 00-0514 | EA | 4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent | 60.98 | 19.27 |
| 23 51 16 00-0515 | EA | 5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent | 68.49 | 20.06 |
| 23 51 16 00-0516 | EA | 2" Single Wall EDPM Gasket For Polypropylene Flue/Vent | 4.35 | |
| 23 51 16 00-0517 | EA | 3" Single Wall EDPM Gasket For Polypropylene Flue/Vent | 4.86 | |
| 23 51 16 00-0518 | EA | 4" Single Wall EDPM Gasket For Polypropylene Flue/Vent | 6.58 | |
| 23 51 16 00-0519 | EA | 5" Single Wall EDPM Gasket For Polypropylene Flue/Vent | 10.87 | |
| 23 51 16 00-0520 | EA | 2" Connector Ring For Polypropylene Flue/Vent | 15.71 | 4.42 |
| 23 51 16 00-0521 | EA | 3" Connector Ring For Polypropylene Flue/Vent | 17.87 | 4.65 |
| 23 51 16 00-0522 | EA | 4" Connector Ring For Polypropylene Flue/Vent | 19.30 | 4.82 |
| 23 51 16 00-0523 | EA | 5" Connector Ring For Polypropylene Flue/Vent | 21.42 | 5.01 |
| 23 51 16 00-0524 | EA | 2"/4" Polypropylene Flue/Vent Air Intake, White | 82.60 | 8.84 |
| 23 51 16 00-0525 | EA | 3"/5" Polypropylene Flue/Vent Air Intake, White | 84.62 | 9.29 |
| 23 51 16 00-0526 | EA | 4"/6" Polypropylene Flue/Vent Air Intake, White | 62.11 | 9.64 |
| 23 51 16 00-0527 | EA | 2" Base Support For Polypropylene Flue/Vent | 72.11 | 6.63 |
| 23 51 16 00-0528 | EA | 3" Base Support For Polypropylene Flue/Vent | 74.33 | 6.97 |
| 23 51 16 00-0529 | EA | 4" Base Support For Polypropylene Flue/Vent | 100.38 | 7.23 |
| 23 51 16 00-0530 | EA | 5" Base Support For Polypropylene Flue/Vent | 171.45 | 7.52 |
| **23 51 16 00-0531** | | **Polypropylene Flue/Vent Flex Pipe** *(23 51 16 00-0372)* | | |
| 23 51 16 00-0532 | LF | 2", Up To 50', Polypropylene Flue/Vent Flex Pipe | 12.91 | 1.55 |
| 23 51 16 00-0533 | LF | 2", > 50', Polypropylene Flue/Vent Flex Pipe | 11.11 | 1.55 |
| 23 51 16 00-0534 | LF | 3", Up To 50', Polypropylene Flue/Vent Flex Pipe | 15.88 | 1.83 |
| 23 51 16 00-0535 | LF | 3", > 50', Polypropylene Flue/Vent Flex Pipe | 13.62 | 1.83 |
| 23 51 16 00-0536 | LF | 4", Up To 50', Polypropylene Flue/Vent Flex Pipe | 23.02 | 2.26 |
| 23 51 16 00-0537 | LF | 4", > 50', Polypropylene Flue/Vent Flex Pipe | 19.54 | 2.26 |
| **23 51 16 00-0538** | | **Polypropylene Flue/Vent Couplers** *(23 51 16 00-0372)* | | |
| | | Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends. | | |
| 23 51 16 00-0539 | EA | 2" Polypropylene Flue/Vent Coupler, Single Wall to Flex | 89.01 | 17.66 |
| 23 51 16 00-0540 | EA | 2" Polypropylene Flue/Vent Coupler, Flex to Single Wall | 100.32 | 17.66 |
| 23 51 16 00-0541 | EA | 3" Polypropylene Flue/Vent Coupler, Flex to Single Wall | 209.30 | 18.60 |
| 23 51 16 00-0542 | EA | 4" Polypropylene Flue/Vent Coupler, Flex to Single Wall | 386.65 | 19.27 |
| 23 51 16 00-0543 | EA | 2" Polypropylene Flue/Vent Coupler, Flex to Flex | 103.65 | 17.66 |
| 23 51 16 00-0544 | EA | 3" Polypropylene Flue/Vent Coupler, Flex to Flex | 250.59 | 18.60 |
| 23 51 16 00-0545 | EA | 4" Polypropylene Flue/Vent Coupler, Flex to Flex | 657.41 | 19.27 |
| **23 51 16 00-0546** | | **Polypropylene Flue/Vent Flex End Terminations** *(23 51 16 00-0372)* | | |
| 23 51 16 00-0547 | EA | 2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination | 118.65 | 17.66 |
| 23 51 16 00-0548 | EA | 3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination | 108.97 | 18.60 |
| 23 51 16 00-0549 | EA | 4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination | 135.82 | 19.27 |
| **23 51 16 00-0550** | | **Aluminum Flue/Vent Fittings** *(23 51 16)* | | |
| **23 51 16 00-0551** | | **Aluminum Vent Top Caps** *(23 51 16 00-0550)* | | |
| 23 51 16 00-0552 | EA | 3" Aluminum Vent Cap (Star-Kap® 3-SK) | 113.45 | 17.51 |
| 23 51 16 00-0553 | EA | 4" Aluminum Vent Cap (Star-Kap® 4-SK) | 120.75 | 17.16 |
| 23 51 16 00-0554 | EA | 5" Aluminum Vent Cap (Star-Kap® 5-SK) | 131.15 | 17.98 |
| 23 51 16 00-0555 | EA | 6" Aluminum Vent Cap (Star-Kap® 6-SK) | 185.12 | 18.81 |
| 23 51 16 00-0556 | EA | 8" Aluminum Vent Cap (Star-Kap® 8-SK) | 207.11 | 20.92 |
| 23 51 16 00-0557 | EA | 10" Aluminum Vent Cap (Star-Kap® 10-SK) | 604.22 | 22.09 |
| 23 51 16 00-0558 | EA | 12" Aluminum Vent Cap (Star-Kap® 12-SK) | 618.95 | 23.50 |

## 23 52 Heating Boilers *(23 50)*

### 23 52 13 Electric Boilers *(23 52)*

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 13 00-0001 | | **Packaged Electric Steam Boiler** *(23 52 13)*<br>Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output. | | |
| 23 52 13 00-0002 | EA | 12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls | 8,641.16 | 647.09 |
| 23 52 13 00-0003 | EA | 24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls | 9,328.45 | 754.94 |
| 23 52 13 00-0004 | EA | 36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls | 10,016.16 | 808.87 |
| 23 52 13 00-0005 | EA | 48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls | 11,154.61 | 862.79 |
| 23 52 13 00-0006 | EA | 60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls | 12,265.51 | 916.72 |
| 23 52 13 00-0007 | EA | 80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls | 14,321.45 | 1,024.57 |
| 23 52 13 00-0008 | EA | 100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls | 16,377.48 | 1,132.42 |
| 23 52 13 00-0009 | EA | 120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls | 17,038.45 | 1,186.34 |
| 23 52 13 00-0010 | EA | 140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls | 17,932.90 | 1,240.27 |
| 23 52 13 00-0011 | EA | 160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls | 23,471.74 | 1,348.11 |
| 23 52 13 00-0012 | EA | 180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls | 24,463.79 | 1,402.03 |
| 23 52 13 00-0013 | EA | 200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls | 25,845.91 | 1,581.34 |
| 23 52 13 00-0014 | EA | 220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls | 26,921.75 | 1,698.48 |
| 23 52 13 00-0015 | EA | 240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls | 29,045.67 | 1,815.61 |
| 23 52 13 00-0016 | EA | 260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls | 31,283.38 | 1,991.32 |
| 23 52 13 00-0017 | EA | 280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls | 33,264.61 | 2,049.89 |
| 23 52 13 00-0018 | EA | 300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls | 34,880.26 | 2,108.46 |
| 23 52 13 00-0019 | EA | 320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls | 37,060.42 | 2,167.03 |
| 23 52 13 00-0020 | EA | 360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls | 39,241.17 | 2,225.60 |
| 23 52 13 00-0021 | EA | 400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls | 41,988.25 | 2,342.72 |
| 23 52 13 00-0022 | EA | 460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls | 44,817.32 | 2,459.86 |
| 23 52 13 00-0023 | EA | 500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls | 47,587.81 | 2,518.43 |
| 23 52 13 00-0024 | EA | 600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls | 52,746.05 | 2,577.00 |
| 23 52 13 00-0025 | EA | 700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls | 56,808.09 | 2,694.14 |
| 23 52 13 00-0026 | EA | 756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls | 58,181.63 | 2,811.27 |
| 23 52 13 00-0027 | EA | 828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls | 63,976.19 | 2,986.98 |
| 23 52 13 00-0028 | EA | 936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls | 66,054.44 | 3,162.69 |
| 23 52 13 00-0029 | EA | 1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls | 68,249.82 | 3,338.38 |
| 23 52 13 00-0030 | EA | 1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls | 72,493.25 | 3,514.09 |
| 23 52 13 00-0031 | EA | 1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls | 74,378.80 | 3,631.23 |
| 23 52 13 00-0032 | EA | 1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls | 76,853.81 | 3,865.50 |
| 23 52 13 00-0033 | EA | 1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls | 79,483.75 | 4,099.77 |
| 23 52 13 00-0034 | EA | 1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls | 86,829.44 | 4,334.04 |
| 23 52 13 00-0035 | EA | 1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls | 91,541.41 | 4,568.32 |
| 23 52 13 00-0036 | | **Packaged Electric Hot Water Boiler** *(23 52 13)*<br>Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output. | | |
| 23 52 13 00-0037 | EA | 9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls | 7,584.06 | 593.17 |
| 23 52 13 00-0038 | EA | 12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls | 7,990.82 | 647.09 |
| 23 52 13 00-0039 | EA | 18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls | 8,397.58 | 701.02 |
| 23 52 13 00-0040 | EA | 24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls | 8,791.19 | 754.94 |
| 23 52 13 00-0041 | EA | 36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls | 9,244.78 | 808.87 |
| 23 52 13 00-0042 | EA | 48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls | 9,580.36 | 862.79 |
| 23 52 13 00-0043 | EA | 60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls | 9,987.12 | 916.72 |
| 23 52 13 00-0044 | EA | 72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls | 10,597.26 | 970.64 |
| 23 52 13 00-0045 | EA | 84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls | 11,128.90 | 1,024.57 |
| 23 52 13 00-0046 | EA | 90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls | 11,454.31 | 1,078.49 |
| 23 52 13 00-0047 | EA | 105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls | 12,299.78 | 1,132.42 |
| 23 52 13 00-0048 | EA | 120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls | 13,095.85 | 1,186.34 |
| 23 52 13 00-0049 | EA | 135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls | 14,535.38 | 1,240.27 |
| 23 52 13 00-0050 | EA | 150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls | 15,473.08 | 1,294.19 |
| 23 52 13 00-0051 | EA | 165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls | 16,262.54 | 1,348.11 |
| 23 52 13 00-0052 | EA | 180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls | 17,658.77 | 1,402.03 |
| 23 52 13 00-0053 | EA | 195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls | 19,445.95 | 1,581.34 |
| 23 52 13 00-0054 | EA | 225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls | 20,905.40 | 1,698.48 |
| 23 52 13 00-0055 | EA | 240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls | 22,492.14 | 1,815.61 |
| 23 52 13 00-0056 | EA | 270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls | 24,068.72 | 1,991.32 |
| 23 52 13 00-0057 | EA | 300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls | 25,655.48 | 2,108.46 |
| 23 52 13 00-0058 | EA | 330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls | 27,133.20 | 2,225.60 |
| 23 52 13 00-0059 | EA | 360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls | 29,196.60 | 2,284.15 |
| 23 52 13 00-0060 | EA | 390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls | 31,114.04 | 2,342.72 |
| 23 52 13 00-0061 | EA | 420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls | 32,950.11 | 2,459.86 |
| 23 52 13 00-0062 | EA | 450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls | 34,878.32 | 2,459.86 |
| 23 52 13 00-0063 | EA | 504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls | 38,212.46 | 2,518.43 |
| 23 52 13 00-0064 | EA | 612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls | 39,986.86 | 2,577.00 |
| 23 52 13 00-0065 | EA | 684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls | 42,216.78 | 2,694.14 |
| 23 52 13 00-0066 | EA | 720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls | 43,910.10 | 2,752.70 |
| 23 52 13 00-0067 | EA | 750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls | 45,609.41 | 2,811.27 |
| 23 52 13 00-0068 | EA | 810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls | 46,879.33 | 2,986.98 |
| 23 52 13 00-0069 | EA | 900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls | 49,179.61 | 3,162.69 |
| 23 52 13 00-0070 | EA | 1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls | 57,247.25 | 3,338.38 |
| 23 52 13 00-0071 | EA | 1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls | 62,813.85 | 3,514.09 |
| 23 52 13 00-0072 | EA | 1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls | 65,257.93 | 3,631.23 |
| 23 52 13 00-0073 | EA | 1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls | 67,975.88 | 3,865.50 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 13 00-0074 | EA | 1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls | 70,693.83 | 4,099.77 |
| 23 52 13 00-0075 | EA | 1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls | 78,366.93 | 4,334.04 |
| 23 52 13 00-0076 | EA | 1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls | 83,309.83 | 4,568.32 |
| 23 52 13 00-0077 | EA | 1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls | 85,417.64 | 4,685.46 |
| 23 52 13 00-0078 | EA | 1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls | 87,525.46 | 4,802.59 |
| 23 52 13 00-0079 | EA | 1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls | 87,994.00 | 4,978.30 |
| 23 52 13 00-0080 | EA | 2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls | 94,477.71 | 5,095.43 |
| 23 52 13 00-0081 | EA | 2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls | 98,810.47 | 5,271.13 |
| 23 52 13 00-0082 | EA | 2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls | 106,083.24 | 5,622.55 |
| 23 52 13 00-0083 | EA | 2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls | 114,308.54 | 6,208.23 |
| 23 52 13 00-0084 | EA | 3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls | 123,760.55 | 6,911.04 |
| 23 52 13 00-0085 | EA | 3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls | 131,033.32 | 7,613.87 |

## 23 52 16 Condensing Boilers *(23 52)*

### 23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

#### 23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.

| | | | | |
|---|---|---|---|---|
| 23 52 16 13-0002 | EA | 75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79) | 12,442.76 | 431.40 |
| 23 52 16 13-0003 | EA | 127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129) | 13,150.76 | 574.62 |
| 23 52 16 13-0004 | EA | 168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179) | 14,023.01 | 646.98 |
| 23 52 16 13-0005 | EA | 187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1) | 14,865.30 | 683.01 |
| 23 52 16 13-0006 | EA | 281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299) | 19,625.69 | 790.86 |
| 23 52 16 13-0007 | EA | 374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399) | 22,718.75 | 862.69 |
| 23 52 16 13-0008 | EA | 589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599) | 30,698.05 | 1,006.45 |
| 23 52 16 13-0009 | EA | 785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798)<br>Note: Includes vent manifold. | 42,684.97 | 1,150.32 |
| 23 52 16 13-0010 | EA | 980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998)<br>Note: Includes vent manifold. | 52,206.52 | 1,258.16 |
| 23 52 16 13-0011 | EA | 1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499) | 75,389.20 | 1,473.76 |
| 23 52 16 13-0012 | EA | 1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999) | 83,081.01 | 1,581.61 |

#### 23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Rated by gross rated output.

| | | | | |
|---|---|---|---|---|
| 23 52 16 13-0014 | EA | 484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145) | 38,763.18 | 934.62 |
| 23 52 16 13-0015 | EA | 612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185) | 40,624.22 | 1,006.45 |
| 23 52 16 13-0016 | EA | 791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240) | 45,325.62 | 1,150.32 |
| 23 52 16 13-0017 | EA | 1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310) | 49,047.70 | 1,294.08 |
| 23 52 16 13-0018 | EA | 1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400) | 54,490.07 | 1,401.93 |
| 23 52 16 13-0019 | EA | 1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510) | 62,321.75 | 1,473.76 |
| 23 52 16 13-0020 | EA | 2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640) | 74,666.92 | 1,581.61 |

#### 23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Rated by gross rated output.

| | | | | |
|---|---|---|---|---|
| 23 52 16 13-0022 | EA | 2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790) | 77,666.14 | 1,725.37 |
| 23 52 16 13-0023 | EA | 3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970) | 89,963.41 | 1,797.31 |
| 23 52 16 13-0024 | EA | 4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200) | 104,277.40 | 1,869.24 |

#### 23 52 16 13-0025 AERCO Benchmark Stainless-Steel Condensing Boilers *(23 52 16 13)*

Note: Rated by gross rated output.

| | | | | |
|---|---|---|---|---|
| 23 52 16 13-0026 | EA | 1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)<br>Note: Includes gas PRV and pump delay relay. | 49,682.64 | 1,473.76 |
| 23 52 16 13-0027 | EA | 2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)<br>Note: Includes gas PRV and pump delay relay. | 58,982.11 | 1,581.61 |
| 23 52 16 13-0028 | EA | 3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)<br>Note: Includes gas PRV and pump delay relay. | 84,882.32 | 1,761.39 |
| 23 52 16 13-0029 | EA | 3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)<br>Note: Includes gas PRV and pump delay relay. | 90,457.08 | 1,761.39 |

#### 23 52 16 13-0030 Laars Neotherm Stainless Steel Condensing Boiler *(23 52 16 13)*

Note: Compliant with SCAQMD. Rated by gross rated input.

| | | | | |
|---|---|---|---|---|
| 23 52 16 13-0031 | EA | 80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080) | 8,694.17 | 467.31 |
| 23 52 16 13-0032 | EA | 105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105) | 9,923.14 | 539.24 |
| 23 52 16 13-0033 | EA | 150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150) | 11,107.44 | 646.98 |
| 23 52 16 13-0034 | EA | 210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210) | 12,370.66 | 718.92 |
| 23 52 16 13-0035 | EA | 285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285) | 15,592.07 | 790.86 |
| 23 52 16 13-0036 | EA | 399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399) | 20,413.88 | 862.69 |
| 23 52 16 13-0037 | EA | 500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500) | 24,551.19 | 934.62 |
| 23 52 16 13-0038 | EA | 600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600) | 27,262.46 | 1,006.45 |
| 23 52 16 13-0039 | EA | 750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750) | 29,617.21 | 1,078.39 |
| 23 52 16 13-0040 | EA | 850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850) | 32,187.67 | 1,222.14 |
| 23 52 16 13-0041 | EA | 1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000) | 45,918.61 | 1,294.08 |
| 23 52 16 13-0042 | EA | 1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700) | 61,098.62 | 1,509.78 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 16 13-0043 | | Lochinvar Knight Stainless Steel Condensing Boilers *(23 52 16 13)* | | |
| | | Note: Rated by gross rated output. | | |
| 23 52 16 13-0044 | EA | 184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211) | 12,052.46 | 646.98 |
| 23 52 16 13-0045 | EA | 264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N) | 15,618.19 | 718.92 |
| 23 52 16 13-0046 | | Lochinvar Knight XL Stainless Steel Condensing Boilers *(23 52 16 13)* | | |
| | | Note: Rated by gross rated output. | | |
| 23 52 16 13-0047 | EA | 387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N) | 17,735.06 | 826.77 |
| 23 52 16 13-0048 | EA | 485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N) | 22,143.12 | 862.69 |
| 23 52 16 13-0049 | EA | 631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N) | 27,199.44 | 934.62 |
| 23 52 16 13-0050 | EA | 776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N) | 32,646.27 | 970.54 |
| 23 52 16 13-0051 | EA | 969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N) | 39,949.38 | 1,042.47 |
| 23 52 16 13-0052 | | Lochinvar Crest Stainless Steel Condensing Boilers *(23 52 16 13)* | | |
| | | Note: Rated by gross rated output. | | |
| 23 52 16 13-0053 | EA | 1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251) | 50,654.05 | 1,221.93 |
| 23 52 16 13-0054 | EA | 1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501) | 52,252.69 | 1,401.93 |
| 23 52 16 13-0055 | EA | 1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751) | 57,292.61 | 1,491.55 |
| 23 52 16 13-0056 | EA | 1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001) | 62,332.52 | 1,581.61 |
| 23 52 16 13-0057 | EA | 2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501) | 73,177.07 | 1,653.54 |
| 23 52 16 13-0058 | EA | 2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001) | 81,097.83 | 1,725.37 |
| 23 52 16 13-0059 | EA | 3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501) | 99,716.60 | 1,797.31 |
| 23 52 16 13-0060 | EA | 3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001) | 110,204.35 | 1,869.14 |
| 23 52 16 13-0061 | EA | 4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001) | 135,290.67 | 1,940.96 |
| 23 52 16 13-0062 | | Patterson Kelley Stainless Steel Condensing Boilers *(23 52 16 13)* | | |
| 23 52 16 13-0063 | | Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series *(23 52 16 13-0062)* | | |
| 23 52 16 13-0064 | EA | 1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500) | 47,201.46 | 1,473.76 |
| 23 52 16 13-0065 | EA | 3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000) | 72,635.67 | 1,761.39 |
| 23 52 16 13-0066 | | Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series *(23 52 16 13-0062)* | | |
| 23 52 16 13-0067 | EA | 650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650) | 24,566.39 | 1,042.47 |
| 23 52 16 13-0068 | EA | 1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000) | 29,530.79 | 1,294.08 |
| 23 52 16 13-0069 | EA | 2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000) | 50,168.16 | 1,581.61 |
| 23 52 16 13-0070 | EA | 4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000) | 86,272.78 | 1,869.24 |
| 23 52 16 13-0071 | | Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series *(23 52 16 13-0062)* | | |
| 23 52 16 13-0072 | EA | 1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250) | 36,011.69 | 1,365.91 |
| 23 52 16 13-0073 | EA | 2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000) | 59,370.19 | 1,581.61 |
| 23 52 16 13-0074 | EA | 4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000) | 88,230.66 | 1,869.24 |
| **23 52 16 16** | | **Aluminum Condensing Boilers** *(23 52 16)* | | |
| 23 52 16 16-0001 | | Weil McLain Aluminum Condensing Boilers *(23 52 16 16)* | | |
| | | Note: Rated by gross rated output. | | |
| 23 52 16 16-0002 | EA | 80 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 80) | 8,040.14 | 467.31 |
| | | Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump. | | |
| 23 52 16 16-0003 | EA | 105 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 105) | 8,860.22 | 539.24 |
| | | Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump. | | |
| 23 52 16 16-0004 | EA | 155 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 155) | 9,989.62 | 646.98 |
| | | Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump. | | |
| 23 52 16 16-0005 | EA | 230 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 230) | 11,212.62 | 718.92 |
| | | Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump. | | |
| 23 52 16 16-0006 | EA | 310 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 310) | 14,558.06 | 826.77 |
| | | Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump. | | |
| 23 52 16 16-0007 | | Patterson Kelley Mach Series Aluminum Condensing Boilers *(23 52 16 16)* | | |
| | | Note: Rated by gross rated output. | | |
| 23 52 16 16-0008 | EA | 300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300) | 19,846.19 | 790.86 |
| 23 52 16 16-0009 | EA | 450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450) | 22,330.74 | 898.71 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 16 16-0010 | EA | 750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750) | 25,277.26 | 1,078.39 |
| 23 52 16 16-0011 | EA | 900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900) | 37,506.99 | 1,222.14 |
| 23 52 16 16-0012 | EA | 1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050) | 39,178.18 | 1,294.08 |
| 23 52 16 16-0013 | EA | 1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500) | 60,866.35 | 1,473.76 |
| 23 52 16 16-0014 | EA | 2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000) | 65,912.59 | 1,581.61 |
| 23 52 16 16-0015 | EA | 2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500) | 81,061.15 | 1,725.37 |
| 23 52 16 16-0016 | EA | 3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000) | 94,151.25 | 1,761.39 |
| 23 52 16 16-0017 | EA | 4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000) | 107,159.49 | 1,869.24 |
| 23 52 16 16-0018 | | **Buderus GB142 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)*<br>Note: Includes standard controls. Rated by gross rated output. | | |
| 23 52 16 16-0019 | EA | 75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24)<br>Note: Includes an aluminum heat exchanger and three speed circulating pump. | 5,430.83 | 431.40 |
| 23 52 16 16-0020 | EA | 95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30)<br>Note: Includes an aluminum heat exchanger and three speed circulating pump. | 6,308.46 | 503.22 |
| 23 52 16 16-0021 | EA | 143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45)<br>Note: Includes an aluminum heat exchanger and three speed circulating pump. | 7,291.78 | 611.07 |
| 23 52 16 16-0022 | EA | 193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60)<br>Note: Includes an aluminum heat exchanger and three speed circulating pump. | 7,990.19 | 683.01 |
| 23 52 16 16-0023 | EA | Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46) | 337.09 | 107.85 |
| 23 52 16 16-0024 | EA | Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3) | 438.00 | 107.85 |
| 23 52 16 16-0025 | EA | Optional GB Floor Stand For GB142 (Buderus 7098265) | 923.56 | 107.85 |
| 23 52 16 16-0026 | | **Buderus GB162 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)*<br>Note: Includes standard controls. Rated by gross rated output. | | |
| 23 52 16 16-0027 | EA | 290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80)<br>Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions. | 9,043.28 | 790.86 |
| 23 52 16 16-0028 | EA | 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100)<br>Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions. | 11,067.96 | 826.77 |
| 23 52 16 16-0029 | EA | 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2)<br>Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. | 21,000.11 | 970.54 |
| 23 52 16 16-0030 | EA | 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)<br>Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. | 19,662.84 | 970.54 |
| 23 52 16 16-0031 | EA | 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2)<br>Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. | 25,049.48 | 1,042.47 |
| 23 52 16 16-0032 | EA | 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)<br>Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. | 23,712.20 | 1,042.47 |
| 23 52 16 16-0033 | EA | 870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3)<br>Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. | 29,129.24 | 1,222.14 |
| 23 52 16 16-0034 | EA | 999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3)<br>Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. | 35,095.46 | 1,294.08 |
| 23 52 16 16-0035 | EA | 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4)<br>Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. | 36,094.79 | 1,365.91 |
| 23 52 16 16-0036 | EA | 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4)<br>Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. | 36,630.38 | 1,365.91 |
| 23 52 16 16-0037 | EA | 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4)<br>Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. | 43,870.00 | 1,401.93 |
| 23 52 16 16-0038 | EA | 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4)<br>Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package. | 44,405.58 | 1,401.93 |
| 23 52 16 16-0039 | EA | EMS Control Module For Condensing Boiler (Buderus RC35) | 758.73 | 107.85 |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 16 16-0040 | | **Buderus GB312 Aluminum Condensing Boilers** *(23 52 16 16)*<br>Note: Includes standard controls. Rated by gross rated output. | | |
| 23 52 16 16-0041 | EA | 305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)<br>Note: Includes an aluminum heat exchanger. | 12,744.51 | 790.86 |
| 23 52 16 16-0042 | EA | 409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)<br>Note: Includes an aluminum heat exchanger. | 14,824.69 | 862.69 |
| 23 52 16 16-0043 | EA | 544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)<br>Note: Includes an aluminum heat exchanger. | 18,494.08 | 952.53 |
| 23 52 16 16-0044 | EA | 676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)<br>Note: Includes an aluminum heat exchanger. | 21,226.77 | 1,042.47 |
| 23 52 16 16-0045 | EA | 810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)<br>Note: Includes an aluminum heat exchanger. | 25,332.89 | 1,150.32 |
| 23 52 16 16-0046 | EA | 944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)<br>Note: Includes an aluminum heat exchanger. | 27,965.57 | 1,258.16 |
| 23 52 16 16-0047 | EA | Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985) | 491.76 | 53.93 |
| 23 52 16 16-0048 | EA | Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125) | 268.73 | 53.93 |
| 23 52 16 16-0049 | EA | Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550) | 381.34 | 53.93 |
| 23 52 16 16-0050 | EA | Optional Condensate Neutralization Tank For GB312 (Buderus 63035899) | 799.62 | 53.93 |
| **23 52 16 19** | | **Copper Water-Tube Condensing Boilers** *(23 52 16)* | | |
| 23 52 16 19-0001 | | Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)*<br>Note: Rated by gross rated output. | | |
| 23 52 16 19-0002 | EA | 1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+) | 45,409.79 | 1,365.91 |
| 23 52 16 19-0003 | EA | 1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+) | 51,203.25 | 1,509.78 |
| 23 52 16 19-0004 | EA | 2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+) | 56,037.03 | 1,581.61 |
| 23 52 16 19-0005 | EA | 2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+) | 60,476.55 | 1,653.54 |
| **23 52 16 23** | | **Cast Iron Condensing Boilers** *(23 52 16)* | | |
| 23 52 16 23-0001 | | Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)*<br>Note: Rated by gross rated output. | | |
| 23 52 16 23-0002 | EA | 199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2) | 15,966.96 | 683.01 |
| 23 52 16 23-0003 | EA | 399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4) | 23,383.25 | 862.69 |
| 23 52 16 23-0004 | EA | 600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6) | 38,476.45 | 1,006.45 |
| 23 52 16 23-0005 | EA | 1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10) | 50,506.88 | 1,294.08 |
| 23 52 16 23-0006 | EA | 1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16) | 67,346.66 | 1,509.78 |
| 23 52 16 23-0007 | EA | 1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20) | 73,468.09 | 1,581.61 |
| 23 52 16 23-0008 | EA | 2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26) | 93,527.52 | 1,725.37 |
| 23 52 16 23-0009 | EA | 3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30) | 102,238.82 | 1,761.39 |
| **23 52 23** | | **Cast-Iron Boilers** *(23 52)* | | |
| 23 52 23 00-0001 | | Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)*<br>Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad. | | |
| 23 52 23 00-0002 | | Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*<br>Note: Field assembled boilers can only be used in situations where package units cannot be installed. | | |
| 23 52 23 00-0003 | EA | 209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380)<br>Note: Includes field assembly of individual sections and testing. | 17,934.11 | 3,595.86 |
| 23 52 23 00-0004 | EA | 297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480)<br>Note: Includes field assembly of individual sections and testing. | 19,571.18 | 3,835.58 |
| 23 52 23 00-0005 | EA | 386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580)<br>Note: Includes field assembly of individual sections and testing. | 21,359.77 | 4,075.30 |
| 23 52 23 00-0006 | EA | 476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680)<br>Note: Includes field assembly of individual sections and testing. | 23,025.47 | 4,315.03 |
| 23 52 23 00-0007 | EA | 565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780)<br>Note: Includes field assembly of individual sections and testing. | 24,566.37 | 4,554.75 |
| 23 52 23 00-0008 | EA | 654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880)<br>Note: Includes field assembly of individual sections and testing. | 26,663.14 | 4,794.47 |
| 23 52 23 00-0009 | EA | 743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980)<br>Note: Includes field assembly of individual sections and testing. | 28,291.42 | 5,034.20 |
| 23 52 23 00-0010 | EA | 833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080)<br>Note: Includes field assembly of individual sections and testing. | 29,591.17 | 5,273.92 |
| 23 52 23 00-0011 | EA | 922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180)<br>Note: Includes field assembly of individual sections and testing. | 30,886.25 | 5,513.65 |
| 23 52 23 00-0012 | EA | 1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280)<br>Note: Includes field assembly of individual sections and testing. | 32,376.39 | 5,753.37 |
| 23 52 23 00-0013 | | Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)* | | |
| 23 52 23 00-0014 | EA | 209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380)<br>Note: Fire tested factory assembled package unit. | 12,264.14 | 468.54 |
| 23 52 23 00-0015 | EA | 297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480)<br>Note: Fire tested factory assembled package unit. | 13,631.09 | 468.54 |
| 23 52 23 00-0016 | EA | 386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580)<br>Note: Fire tested factory assembled package unit. | 15,620.66 | 585.68 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 23 00-0017 | EA | 476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680)<br>Note: Fire tested factory assembled package unit. | 17,014.47 | 585.68 |
| 23 52 23 00-0018 | EA | 565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780)<br>Note: Fire tested factory assembled package unit. | 18,756.68 | 702.82 |
| 23 52 23 00-0019 | EA | 654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880)<br>Note: Fire tested factory assembled package unit. | 20,600.01 | 702.82 |
| 23 52 23 00-0020 | EA | 743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980)<br>Note: Fire tested factory assembled package unit. | 22,427.03 | 819.95 |
| 23 52 23 00-0021 | EA | 833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080)<br>Note: Fire tested factory assembled package unit. | 23,926.09 | 937.09 |
| 23 52 23 00-0022 | EA | 922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180)<br>Note: Fire tested factory assembled package unit. | 24,953.77 | 937.09 |
| 23 52 23 00-0023 | EA | 1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280)<br>Note: Fire tested factory assembled package unit. | 26,640.85 | 1,054.23 |
| 23 52 23 00-0024 | | **Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler** *(23 52 23 00-0001)*<br>Note: Field assembled boilers can only be used in situations where package units cannot be installed. | | |
| 23 52 23 00-0025 | EA | 209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380)<br>Note: Includes field assembly of individual sections and testing. | 18,732.79 | 3,595.86 |
| 23 52 23 00-0026 | EA | 297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler<br>Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing. | 20,512.64 | 3,835.58 |
| 23 52 23 00-0027 | EA | 386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler<br>Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing. | 22,215.00 | 4,075.30 |
| 23 52 23 00-0028 | EA | 476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler<br>Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing. | 24,112.53 | 4,315.03 |
| 23 52 23 00-0029 | EA | 565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler<br>Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing. | 25,683.11 | 4,554.75 |
| 23 52 23 00-0030 | EA | 654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler<br>Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing. | 27,960.83 | 4,794.47 |
| 23 52 23 00-0031 | EA | 743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler<br>Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing. | 29,405.34 | 5,034.20 |
| 23 52 23 00-0032 | EA | 833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler<br>Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing. | 30,811.11 | 5,273.92 |
| 23 52 23 00-0033 | EA | 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler<br>Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing. | 32,107.60 | 5,513.65 |
| 23 52 23 00-0034 | EA | 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler<br>Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing. | 33,635.91 | 5,753.37 |
| 23 52 23 00-0035 | | **Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler** *(23 52 23 00-0001)* | | |
| 23 52 23 00-0036 | EA | 209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380)<br>Note: Fire tested factory assembled package cast iron unit. | 13,062.82 | 468.54 |
| 23 52 23 00-0037 | EA | 297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480)<br>Note: Fire tested factory assembled package cast iron unit. | 14,572.55 | 468.54 |
| 23 52 23 00-0038 | EA | 386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580)<br>Note: Fire tested factory assembled package cast iron unit. | 16,475.89 | 585.68 |
| 23 52 23 00-0039 | EA | 476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680)<br>Note: Fire tested factory assembled package cast iron unit. | 18,101.53 | 585.68 |
| 23 52 23 00-0040 | EA | 565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780)<br>Note: Fire tested factory assembled package cast iron unit. | 19,873.42 | 702.82 |
| 23 52 23 00-0041 | EA | 654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880)<br>Note: Fire tested factory assembled package cast iron unit. | 21,897.70 | 702.82 |
| 23 52 23 00-0042 | EA | 743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980)<br>Note: Fire tested factory assembled package cast iron unit. | 23,540.95 | 819.95 |
| 23 52 23 00-0043 | EA | 833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080)<br>Note: Fire tested factory assembled package cast iron unit. | 25,146.02 | 937.09 |
| 23 52 23 00-0044 | EA | 922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180)<br>Note: Fire tested factory assembled package cast iron unit. | 26,175.12 | 937.09 |
| 23 52 23 00-0045 | EA | 1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280)<br>Note: Fire tested factory assembled package cast iron unit. | 27,900.36 | 1,054.23 |
| 23 52 23 00-0046 | | **Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23)*<br>Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad. | | |
| 23 52 23 00-0047 | | **Gas Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*<br>Note: Field assembled boilers can only be used in situations where package units cannot be installed. | | |
| 23 52 23 00-0048 | EA | 629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488)<br>Note: Includes field assembly of individual sections and testing. | 28,945.61 | 5,393.78 |
| 23 52 23 00-0049 | EA | 845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588)<br>Note: Includes field assembly of individual sections and testing. | 31,907.62 | 5,723.40 |
| 23 52 23 00-0050 | EA | 1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688)<br>Note: Includes field assembly of individual sections and testing. | 35,562.39 | 6,053.02 |
| 23 52 23 00-0051 | EA | 1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788)<br>Note: Includes field assembly of individual sections and testing. | 38,788.32 | 6,382.64 |
| 23 52 23 00-0052 | EA | 1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888)<br>Note: Includes field assembly of individual sections and testing. | 41,599.58 | 6,712.26 |
| 23 52 23 00-0053 | EA | 1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988)<br>Note: Includes field assembly of individual sections and testing. | 45,651.78 | 7,041.88 |
| 23 52 23 00-0054 | EA | 1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088)<br>Note: Includes field assembly of individual sections and testing. | 48,488.99 | 7,371.50 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 23 00-0055 | EA | 2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188)<br>Note: Includes field assembly of individual sections and testing. | 51,004.65 | 7,701.12 |
| 23 52 23 00-0056 | EA | 2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288)<br>Note: Includes field assembly of individual sections and testing. | 54,346.82 | 8,030.74 |
| 23 52 23 00-0057 | EA | 2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388)<br>Note: Includes field assembly of individual sections and testing. | 57,044.52 | 8,360.36 |
| 23 52 23 00-0058 | EA | 2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488)<br>Note: Includes field assembly of individual sections and testing. | 61,574.02 | 8,689.98 |
| 23 52 23 00-0059 | EA | 3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588)<br>Note: Includes field assembly of individual sections and testing. | 64,143.25 | 9,019.60 |
| 23 52 23 00-0060 | EA | 3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688)<br>Note: Includes field assembly of individual sections and testing. | 66,865.27 | 9,349.22 |
| 23 52 23 00-0061 | EA | 3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788)<br>Note: Includes field assembly of individual sections and testing. | 69,892.86 | 9,678.84 |
| 23 52 23 00-0062 | EA | 3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888)<br>Note: Includes field assembly of individual sections and testing. | 72,365.17 | 10,008.46 |
| **23 52 23 00-0063** | | **Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* | | |
| 23 52 23 00-0064 | EA | 629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488)<br>Note: Fire tested factory assembled package unit. | 22,446.82 | 819.95 |
| 23 52 23 00-0065 | EA | 845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588)<br>Note: Fire tested factory assembled package unit. | 25,459.84 | 937.09 |
| 23 52 23 00-0066 | EA | 1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688)<br>Note: Fire tested factory assembled package unit. | 29,182.50 | 1,054.23 |
| 23 52 23 00-0067 | EA | 1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788)<br>Note: Fire tested factory assembled package unit. | 32,445.74 | 1,171.37 |
| 23 52 23 00-0068 | EA | 1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888)<br>Note: Fire tested factory assembled package unit. | 34,837.55 | 1,171.37 |
| 23 52 23 00-0069 | EA | 1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988)<br>Note: Fire tested factory assembled package unit. | 38,944.68 | 1,288.50 |
| 23 52 23 00-0070 | EA | 1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088)<br>Note: Fire tested factory assembled package unit. | 41,366.18 | 1,288.50 |
| 23 52 23 00-0071 | EA | 2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188)<br>Note: Fire tested factory assembled package unit. | 43,932.52 | 1,405.63 |
| 23 52 23 00-0072 | EA | 2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288)<br>Note: Fire tested factory assembled package unit. | 46,860.09 | 1,405.63 |
| 23 52 23 00-0073 | EA | 2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388)<br>Note: Fire tested factory assembled package unit. | 49,608.80 | 1,522.77 |
| 23 52 23 00-0074 | EA | 2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488)<br>Note: Fire tested factory assembled package unit. | 52,271.23 | 1,639.91 |
| 23 52 23 00-0075 | EA | 3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588)<br>Note: Fire tested factory assembled package unit. | 54,425.56 | 1,639.91 |
| 23 52 23 00-0076 | EA | 3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688)<br>Note: Fire tested factory assembled package unit. | 57,199.67 | 1,757.04 |
| 23 52 23 00-0077 | EA | 3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788)<br>Note: Fire tested factory assembled package unit. | 59,810.59 | 1,757.04 |
| 23 52 23 00-0078 | EA | 3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888)<br>Note: Fire tested factory assembled package unit. | 62,364.15 | 1,874.18 |
| **23 52 23 00-0079** | | **Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*<br>Note: Field assembled boilers can only be used in situations where package units cannot be installed. | | |
| 23 52 23 00-0080 | EA | 629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488)<br>Note: Includes field assembly of individual sections and testing. | 29,929.47 | 5,393.78 |
| 23 52 23 00-0081 | EA | 845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588)<br>Note: Includes field assembly of individual sections and testing. | 32,885.83 | 5,723.40 |
| 23 52 23 00-0082 | EA | 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688)<br>Note: Includes field assembly of individual sections and testing. | 36,795.05 | 6,053.02 |
| 23 52 23 00-0083 | EA | 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788)<br>Note: Includes field assembly of individual sections and testing. | 40,145.37 | 6,382.64 |
| 23 52 23 00-0084 | EA | 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888)<br>Note: Includes field assembly of individual sections and testing. | 42,818.11 | 6,712.26 |
| 23 52 23 00-0085 | EA | 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988)<br>Note: Includes field assembly of individual sections and testing. | 46,793.97 | 7,041.88 |
| 23 52 23 00-0086 | EA | 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088)<br>Note: Includes field assembly of individual sections and testing. | 50,203.69 | 7,371.50 |
| 23 52 23 00-0087 | EA | 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188)<br>Note: Includes field assembly of individual sections and testing. | 52,719.35 | 7,701.12 |
| 23 52 23 00-0088 | EA | 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288)<br>Note: Includes field assembly of individual sections and testing. | 56,027.59 | 8,030.74 |
| 23 52 23 00-0089 | EA | 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388)<br>Note: Includes field assembly of individual sections and testing. | 59,447.64 | 8,360.36 |
| 23 52 23 00-0090 | EA | 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488)<br>Note: Includes field assembly of individual sections and testing. | 64,098.71 | 8,689.98 |
| 23 52 23 00-0091 | EA | 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588)<br>Note: Includes field assembly of individual sections and testing. | 67,517.51 | 9,019.60 |
| 23 52 23 00-0092 | EA | 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688)<br>Note: Includes field assembly of individual sections and testing. | 69,388.55 | 9,349.22 |
| 23 52 23 00-0093 | EA | 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788)<br>Note: Includes field assembly of individual sections and testing. | 72,339.81 | 9,678.84 |
| 23 52 23 00-0094 | EA | 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888)<br>Note: Includes field assembly of individual sections and testing. | 74,838.97 | 10,008.46 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 52 23 00-0095** | | **Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* | | |
| 23 52 23 00-0096 | EA | 629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488)<br>Note: Fire tested factory assembled package cast iron unit. | 23,430.69 | 819.95 |
| 23 52 23 00-0097 | EA | 845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588)<br>Note: Fire tested factory assembled package cast iron unit. | 26,438.05 | 937.09 |
| 23 52 23 00-0098 | EA | 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688)<br>Note: Fire tested factory assembled package cast iron unit. | 30,401.02 | 1,054.23 |
| 23 52 23 00-0099 | EA | 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788)<br>Note: Fire tested factory assembled package cast iron unit. | 33,802.79 | 1,171.37 |
| 23 52 23 00-0100 | EA | 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888)<br>Note: Fire tested factory assembled package cast iron unit. | 36,058.90 | 1,171.37 |
| 23 52 23 00-0101 | EA | 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988)<br>Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit. | 40,086.87 | 1,288.50 |
| 23 52 23 00-0102 | EA | 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088)<br>Note: Fire tested factory assembled package cast iron unit. | 43,080.88 | 1,288.50 |
| 23 52 23 00-0103 | EA | 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188)<br>Note: Fire tested factory assembled package cast iron unit. | 45,647.22 | 1,405.63 |
| 23 52 23 00-0104 | EA | 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288)<br>Note: Fire tested factory assembled package cast iron unit. | 48,540.86 | 1,405.63 |
| 23 52 23 00-0105 | EA | 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388)<br>Note: Fire tested factory assembled package cast iron unit. | 52,018.98 | 1,522.77 |
| 23 52 23 00-0106 | EA | 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488)<br>Note: Fire tested factory assembled package cast iron unit. | 54,795.92 | 1,639.91 |
| 23 52 23 00-0107 | EA | 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588)<br>Note: Fire tested factory assembled package cast iron unit. | 56,386.22 | 1,639.91 |
| 23 52 23 00-0108 | EA | 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688)<br>Note: Fire tested factory assembled package cast iron unit. | 59,722.95 | 1,757.04 |
| 23 52 23 00-0109 | EA | 3,548 MBh Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788)<br>Note: Fire tested factory assembled package cast iron unit. | 62,257.53 | 1,757.04 |
| 23 52 23 00-0110 | EA | 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888)<br>Note: Fire tested factory assembled package cast iron unit. | 64,809.68 | 1,874.18 |
| **23 52 23 00-0111** | | **Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23)*<br>Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad. | | |
| **23 52 23 00-0112** | | **Gas Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*<br>Note: Field assembled boilers can only be used in situations where package units cannot be installed. | | |
| 23 52 23 00-0113 | EA | 1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894)<br>Note: Includes field assembly of individual sections and testing. | 78,022.74 | 10,487.92 |
| 23 52 23 00-0114 | EA | 1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994)<br>Note: Includes field assembly of individual sections and testing. | 84,538.12 | 11,087.22 |
| 23 52 23 00-0115 | EA | 2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094)<br>Note: Includes field assembly of individual sections and testing. | 90,494.64 | 11,686.53 |
| 23 52 23 00-0116 | EA | 2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194)<br>Note: Includes field assembly of individual sections and testing. | 96,328.05 | 12,285.84 |
| 23 52 23 00-0117 | EA | 2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294)<br>Note: Includes field assembly of individual sections and testing. | 102,215.37 | 12,885.15 |
| 23 52 23 00-0118 | EA | 2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394)<br>Note: Includes field assembly of individual sections and testing. | 109,832.42 | 13,484.47 |
| 23 52 23 00-0119 | EA | 2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494)<br>Note: Includes field assembly of individual sections and testing. | 115,383.55 | 14,083.77 |
| 23 52 23 00-0120 | EA | 3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594)<br>Note: Includes field assembly of individual sections and testing. | 120,757.16 | 14,683.08 |
| 23 52 23 00-0121 | EA | 3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694)<br>Note: Includes field assembly of individual sections and testing. | 129,459.48 | 15,282.39 |
| 23 52 23 00-0122 | EA | 3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794)<br>Note: Includes field assembly of individual sections and testing. | 134,830.03 | 15,881.70 |
| 23 52 23 00-0123 | EA | 3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894)<br>Note: Includes field assembly of individual sections and testing. | 139,446.79 | 16,481.00 |
| 23 52 23 00-0124 | EA | 4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994)<br>Note: Includes field assembly of individual sections and testing. | 147,848.23 | 17,080.32 |
| 23 52 23 00-0125 | EA | 4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094)<br>Note: Includes field assembly of individual sections and testing. | 153,262.73 | 17,679.63 |
| 23 52 23 00-0126 | EA | 4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194)<br>Note: Includes field assembly of individual sections and testing. | 161,856.07 | 18,278.94 |
| 23 52 23 00-0127 | EA | 4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294)<br>Note: Includes field assembly of individual sections and testing. | 167,552.18 | 18,878.25 |
| 23 52 23 00-0128 | EA | 4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394)<br>Note: Includes field assembly of individual sections and testing. | 173,778.56 | 19,477.55 |
| 23 52 23 00-0129 | EA | 5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494)<br>Note: Includes field assembly of individual sections and testing. | 179,136.17 | 20,076.86 |
| 23 52 23 00-0130 | EA | 5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594)<br>Note: Includes field assembly of individual sections and testing. | 184,645.74 | 20,676.18 |
| **23 52 23 00-0131** | | **Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* | | |
| 23 52 23 00-0132 | EA | 1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894)<br>Note: Fire tested factory assembled package cast iron unit. | 68,734.80 | 1,522.77 |
| 23 52 23 00-0133 | EA | 1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994)<br>Note: Fire tested factory assembled package cast iron unit. | 74,966.58 | 1,639.91 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 23 00-0134 | EA | 2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094)<br>Note: Fire tested factory assembled package cast iron unit. | 80,635.75 | 1,757.04 |
| 23 52 23 00-0135 | EA | 2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194)<br>Note: Fire tested factory assembled package cast iron unit. | 86,186.14 | 1,874.18 |
| 23 52 23 00-0136 | EA | 2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294)<br>Note: Fire tested factory assembled package cast iron unit. | 91,317.51 | 1,874.18 |
| 23 52 23 00-0137 | EA | 2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394)<br>Note: Fire tested factory assembled package cast iron unit. | 96,735.16 | 1,991.32 |
| 23 52 23 00-0138 | EA | 2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494)<br>Note: Fire tested factory assembled package cast iron unit. | 101,531.50 | 1,991.32 |
| 23 52 23 00-0139 | EA | 3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594)<br>Note: Fire tested factory assembled package cast iron unit. | 106,619.65 | 2,108.46 |
| 23 52 23 00-0140 | EA | 3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694)<br>Note: Fire tested factory assembled package cast iron unit. | 114,568.32 | 2,108.46 |
| 23 52 23 00-0141 | EA | 3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794)<br>Note: Fire tested factory assembled package cast iron unit. | 119,655.03 | 2,225.60 |
| 23 52 23 00-0142 | EA | 3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894)<br>Note: Fire tested factory assembled package cast iron unit. | 123,516.99 | 2,225.60 |
| 23 52 23 00-0143 | EA | 4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994)<br>Note: Fire tested factory assembled package cast iron unit. | 131,636.00 | 2,342.72 |
| 23 52 23 00-0144 | EA | 4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094)<br>Note: Fire tested factory assembled package cast iron unit. | 136,295.23 | 2,342.72 |
| 23 52 23 00-0145 | EA | 4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194)<br>Note: Fire tested factory assembled package cast iron unit. | 144,629.12 | 2,459.86 |
| 23 52 23 00-0146 | EA | 4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294)<br>Note: Fire tested factory assembled package cast iron unit. | 149,544.20 | 2,459.86 |
| 23 52 23 00-0147 | EA | 4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394)<br>Note: Fire tested factory assembled package cast iron unit. | 155,483.38 | 2,577.00 |
| 23 52 23 00-0148 | EA | 5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494)<br>Note: Fire tested factory assembled package cast iron unit. | 160,087.47 | 2,577.00 |
| 23 52 23 00-0149 | EA | 5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594)<br>Note: Fire tested factory assembled package cast iron unit. | 165,311.30 | 2,694.14 |
| 23 52 23 00-0150 | | **Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*<br>Note: Field assembled boilers can only be used in situations where package units cannot be installed. | | |
| 23 52 23 00-0151 | EA | 1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894)<br>Note: Includes field assembly of individual sections and testing. | 73,804.56 | 10,487.92 |
| 23 52 23 00-0152 | EA | 1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994)<br>Note: Includes field assembly of individual sections and testing. | 80,319.94 | 11,087.22 |
| 23 52 23 00-0153 | EA | 2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094)<br>Note: Includes field assembly of individual sections and testing. | 88,230.05 | 11,686.53 |
| 23 52 23 00-0154 | EA | 2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194)<br>Note: Includes field assembly of individual sections and testing. | 93,553.15 | 12,285.84 |
| 23 52 23 00-0155 | EA | 2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294)<br>Note: Includes field assembly of individual sections and testing. | 99,092.73 | 12,885.15 |
| 23 52 23 00-0156 | EA | 2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394)<br>Note: Includes field assembly of individual sections and testing. | 106,321.04 | 13,484.47 |
| 23 52 23 00-0157 | EA | 2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494)<br>Note: Includes field assembly of individual sections and testing. | 112,135.10 | 14,083.77 |
| 23 52 23 00-0158 | EA | 3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594)<br>Note: Includes field assembly of individual sections and testing. | 117,511.53 | 14,683.08 |
| 23 52 23 00-0159 | EA | 3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694)<br>Note: Includes field assembly of individual sections and testing. | 127,223.17 | 15,282.39 |
| 23 52 23 00-0160 | EA | 3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794)<br>Note: Includes field assembly of individual sections and testing. | 132,595.13 | 15,881.70 |
| 23 52 23 00-0161 | EA | 3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894)<br>Note: Includes field assembly of individual sections and testing. | 137,965.34 | 16,481.00 |
| 23 52 23 00-0162 | EA | 4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994)<br>Note: Includes field assembly of individual sections and testing. | 147,858.13 | 17,080.32 |
| 23 52 23 00-0163 | EA | 4,285 MBH Steam, 4970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094)<br>Note: Includes field assembly of individual sections and testing. | 153,272.62 | 17,679.63 |
| 23 52 23 00-0164 | EA | 4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194)<br>Note: Includes field assembly of individual sections and testing. | 162,093.56 | 18,278.94 |
| 23 52 23 00-0165 | EA | 4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294)<br>Note: Includes field assembly of individual sections and testing. | 167,788.25 | 18,878.25 |
| 23 52 23 00-0166 | EA | 4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394)<br>Note: Includes field assembly of individual sections and testing. | 173,893.07 | 19,477.55 |
| 23 52 23 00-0167 | EA | 5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494)<br>Note: Includes field assembly of individual sections and testing. | 179,250.67 | 20,076.86 |
| 23 52 23 00-0168 | EA | 5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594)<br>Note: Includes field assembly of individual sections and testing. | 184,768.72 | 20,676.18 |
| 23 52 23 00-0169 | | **Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* | | |
| 23 52 23 00-0170 | EA | 1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894)<br>Note: Fire tested factory assembled package cast iron unit. | 64,287.62 | 1,522.77 |
| 23 52 23 00-0171 | EA | 1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994)<br>Note: Fire tested factory assembled package cast iron unit. | 70,519.40 | 1,639.91 |
| 23 52 23 00-0172 | EA | 2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094)<br>Note: Fire tested factory assembled package cast iron unit. | 78,142.16 | 1,757.04 |
| 23 52 23 00-0173 | EA | 2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194)<br>Note: Fire tested factory assembled package cast iron unit. | 83,182.24 | 1,874.18 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 23 00-0174 | EA | 2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294)<br>Note: Fire tested factory assembled package cast iron unit. | 87,965.86 | 1,874.18 |
| 23 52 23 00-0175 | EA | 2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394)<br>Note: Fire tested factory assembled package cast iron unit. | 92,994.77 | 1,991.32 |
| 23 52 23 00-0176 | EA | 2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494)<br>Note: Fire tested factory assembled package cast iron unit. | 98,054.05 | 1,991.32 |
| 23 52 23 00-0177 | EA | 3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594)<br>Note: Fire tested factory assembled package cast iron unit. | 103,142.19 | 2,108.46 |
| 23 52 23 00-0178 | EA | 3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694)<br>Note: Fire tested factory assembled package cast iron unit. | 112,103.00 | 2,108.46 |
| 23 52 23 00-0179 | EA | 3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794)<br>Note: Fire tested factory assembled package cast iron unit. | 117,188.30 | 2,225.60 |
| 23 52 23 00-0180 | EA | 3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894)<br>Note: Fire tested factory assembled package cast iron unit. | 121,806.53 | 2,225.60 |
| 23 52 23 00-0181 | EA | 4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994)<br>Note: Fire tested factory assembled package cast iron unit. | 131,416.89 | 2,342.72 |
| 23 52 23 00-0182 | EA | 4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094)<br>Note: Fire tested factory assembled package cast iron unit. | 136,076.12 | 2,342.72 |
| 23 52 23 00-0183 | EA | 4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194)<br>Note: Fire tested factory assembled package cast iron unit. | 144,609.33 | 2,459.86 |
| 23 52 23 00-0184 | EA | 4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294)<br>Note: Fire tested factory assembled package cast iron unit. | 149,551.27 | 2,459.86 |
| 23 52 23 00-0185 | EA | 4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394)<br>Note: Fire tested factory assembled package cast iron unit. | 155,368.87 | 2,577.00 |
| 23 52 23 00-0186 | EA | 5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494)<br>Note: Fire tested factory assembled package cast iron unit. | 159,972.97 | 2,577.00 |
| 23 52 23 00-0187 | EA | 5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594)<br>Note: Fire tested factory assembled package cast iron unit. | 165,205.28 | 2,694.14 |
| **23 52 23 00-0188** | | **Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*<br>Note: Field assembled boilers can only be used in situations where package units cannot be installed. | | |
| 23 52 23 00-0189 | EA | 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894)<br>Note: Includes field assembly of individual sections and testing. | 79,348.70 | 10,487.92 |
| 23 52 23 00-0190 | EA | 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994)<br>Note: Includes field assembly of individual sections and testing. | 85,865.49 | 11,087.22 |
| 23 52 23 00-0191 | EA | 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094)<br>Note: Includes field assembly of individual sections and testing. | 92,183.89 | 11,686.53 |
| 23 52 23 00-0192 | EA | 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194)<br>Note: Includes field assembly of individual sections and testing. | 98,160.07 | 12,285.84 |
| 23 52 23 00-0193 | EA | 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294)<br>Note: Includes field assembly of individual sections and testing. | 104,014.88 | 12,885.15 |
| 23 52 23 00-0194 | EA | 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394)<br>Note: Includes field assembly of individual sections and testing. | 110,496.81 | 13,484.47 |
| 23 52 23 00-0195 | EA | 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494)<br>Note: Includes field assembly of individual sections and testing. | 117,590.18 | 14,083.77 |
| 23 52 23 00-0196 | EA | 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594)<br>Note: Includes field assembly of individual sections and testing. | 123,311.53 | 14,683.08 |
| 23 52 23 00-0197 | EA | 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694)<br>Note: Includes field assembly of individual sections and testing. | 132,235.79 | 15,282.39 |
| 23 52 23 00-0198 | EA | 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794)<br>Note: Includes field assembly of individual sections and testing. | 137,606.34 | 15,881.70 |
| 23 52 23 00-0199 | EA | 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894)<br>Note: Includes field assembly of individual sections and testing. | 142,322.05 | 16,481.00 |
| 23 52 23 00-0200 | EA | 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994)<br>Note: Includes field assembly of individual sections and testing. | 150,819.62 | 17,080.32 |
| 23 52 23 00-0201 | EA | 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094)<br>Note: Includes field assembly of individual sections and testing. | 157,647.71 | 17,679.63 |
| 23 52 23 00-0202 | EA | 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194)<br>Note: Includes field assembly of individual sections and testing. | 166,998.75 | 18,278.94 |
| 23 52 23 00-0203 | EA | 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294)<br>Note: Includes field assembly of individual sections and testing. | 172,652.45 | 18,878.25 |
| 23 52 23 00-0204 | EA | 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394)<br>Note: Includes field assembly of individual sections and testing. | 179,141.76 | 19,477.55 |
| 23 52 23 00-0205 | EA | 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494)<br>Note: Includes field assembly of individual sections and testing. | 184,500.78 | 20,076.86 |
| 23 52 23 00-0206 | EA | 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594)<br>Note: Includes field assembly of individual sections and testing. | 190,014.59 | 20,676.18 |
| **23 52 23 00-0207** | | **Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* | | |
| 23 52 23 00-0208 | EA | 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894)<br>Note: Fire tested factory assembled package cast iron unit. | 70,163.95 | 1,522.77 |
| 23 52 23 00-0209 | EA | 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994)<br>Note: Fire tested factory assembled package cast iron unit. | 76,397.14 | 1,639.91 |
| 23 52 23 00-0210 | EA | 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094)<br>Note: Fire tested factory assembled package cast iron unit. | 82,432.43 | 1,757.04 |
| 23 52 23 00-0211 | EA | 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194)<br>Note: Fire tested factory assembled package cast iron unit. | 88,122.77 | 1,874.18 |
| 23 52 23 00-0212 | EA | 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294)<br>Note: Fire tested factory assembled package cast iron unit. | 93,221.62 | 1,874.18 |
| 23 52 23 00-0213 | EA | 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394)<br>Note: Fire tested factory assembled package cast iron unit. | 97,502.74 | 1,991.32 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 23 00-0214 | EA | 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494)<br>Note: Fire tested factory assembled package cast iron unit. | 103,841.33 | 1,991.32 |
| 23 52 23 00-0215 | EA | 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594)<br>Note: Fire tested factory assembled package cast iron unit. | 109,275.80 | 2,108.46 |
| 23 52 23 00-0216 | EA | 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694)<br>Note: Fire tested factory assembled package cast iron unit. | 117,449.24 | 2,108.46 |
| 23 52 23 00-0217 | EA | 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794)<br>Note: Fire tested factory assembled package cast iron unit. | 122,533.12 | 2,225.60 |
| 23 52 23 00-0218 | EA | 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894)<br>Note: Fire tested factory assembled package cast iron unit. | 126,495.44 | 2,225.60 |
| 23 52 23 00-0219 | EA | 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994)<br>Note: Fire tested factory assembled package cast iron unit. | 134,710.58 | 2,342.72 |
| 23 52 23 00-0220 | EA | 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094)<br>Note: Fire tested factory assembled package cast iron unit. | 140,784.82 | 2,342.72 |
| 23 52 23 00-0221 | EA | 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194)<br>Note: Fire tested factory assembled package cast iron unit. | 149,848.13 | 2,459.86 |
| 23 52 23 00-0222 | EA | 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294)<br>Note: Fire tested factory assembled package cast iron unit. | 154,749.08 | 2,459.86 |
| 23 52 23 00-0223 | EA | 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394)<br>Note: Fire tested factory assembled package cast iron unit. | 160,949.77 | 2,577.00 |
| 23 52 23 00-0224 | EA | 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494)<br>Note: Fire tested factory assembled package cast iron unit. | 165,555.28 | 2,577.00 |
| 23 52 23 00-0225 | EA | 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594)<br>Note: Fire tested factory assembled package cast iron unit. | 170,784.76 | 2,694.14 |

## 23 52 33 Water-Tube Boilers *(23 52)*

### 23 52 33 13 Finned Water-Tube Boilers *(23 52 33)*

#### 23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

| | | | | |
|---|---|---|---|---|
| 23 52 33 13-0002 | EA | 200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant) | 8,958.23 | 640.62 |
| 23 52 33 13-0003 | EA | 300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant) | 9,859.09 | 711.81 |
| 23 52 33 13-0004 | EA | 400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant) | 11,330.14 | 854.16 |
| 23 52 33 13-0005 | EA | 500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant) | 14,448.88 | 889.76 |
| 23 52 33 13-0006 | EA | 750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant) | 16,976.84 | 1,067.70 |
| 23 52 33 13-0007 | EA | 1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant) | 20,857.39 | 1,281.24 |
| 23 52 33 13-0008 | EA | 1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant) | 23,681.77 | 1,352.43 |
| 23 52 33 13-0009 | EA | 1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant) | 26,227.72 | 1,459.20 |
| 23 52 33 13-0010 | EA | 1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant) | 28,592.70 | 1,530.38 |
| 23 52 33 13-0011 | EA | 2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant) | 30,673.37 | 1,565.97 |

#### 23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

| | | | | |
|---|---|---|---|---|
| 23 52 33 13-0013 | EA | 1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire) | 31,160.23 | 1,281.24 |
| 23 52 33 13-0014 | EA | 1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire) | 38,902.40 | 1,459.20 |
| 23 52 33 13-0015 | EA | 2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire) | 41,454.71 | 1,565.97 |
| 23 52 33 13-0016 | EA | 2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire) | 58,606.08 | 1,779.51 |
| 23 52 33 13-0017 | EA | 3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire) | 61,485.11 | 1,993.05 |

#### 23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

| | | | | |
|---|---|---|---|---|
| 23 52 33 13-0019 | EA | 340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402) | 14,327.47 | 574.83 |
| | | *For High And Low Gas Pressure Switch With Manual Reset, Add* | *537.49* | |
| | | *For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add* | *476.15* | |
| 23 52 33 13-0020 | EA | 425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502) | 17,192.20 | 718.28 |
| | | *For High And Low Gas Pressure Switch With Manual Reset, Add* | *537.49* | |
| | | *For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add* | *476.15* | |
| 23 52 33 13-0021 | EA | 552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652) | 18,423.99 | 862.79 |
| | | *For High And Low Gas Pressure Switch With Manual Reset, Add* | *537.49* | |
| | | *For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add* | *476.15* | |
| 23 52 33 13-0022 | EA | 637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752) | 18,936.65 | 862.79 |
| | | *For High And Low Gas Pressure Switch With Manual Reset, Add* | *537.49* | |
| | | *For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add* | *476.15* | |
| 23 52 33 13-0023 | EA | 841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992) | 23,487.87 | 1,078.49 |
| | | *For High And Low Gas Pressure Switch With Manual Reset, Add* | *537.49* | |
| | | *For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add* | *476.15* | |
| 23 52 33 13-0024 | EA | 1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262) | 27,250.33 | 1,078.49 |
| | | *For High And Low Gas Pressure Switch With Manual Reset, Add* | *537.49* | |
| | | *For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add* | *476.15* | |
| 23 52 33 13-0025 | EA | 1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442) | 29,739.15 | 1,078.49 |
| | | *For High And Low Gas Pressure Switch With Manual Reset, Add* | *537.49* | |
| | | *For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add* | *476.15* | |
| 23 52 33 13-0026 | EA | 1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802) | 32,019.18 | 1,294.19 |
| | | *For High And Low Gas Pressure Switch With Manual Reset, Add* | *537.49* | |
| | | *For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add* | *476.15* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 33 13-0027 | EA | 1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072) | 37,876.16 | 1,509.88 |
| | | *For High And Low Gas Pressure Switch With Manual Reset, Add* | *537.49* | |
| | | *For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add* | *476.15* | |

### 23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump *(23 52 33 13)*

Note: Rated by gross rated output.

| | | | | |
|---|---|---|---|---|
| 23 52 33 13-0029 | EA | 385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B) | 13,743.07 | 790.10 |
| 23 52 33 13-0030 | EA | 420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B) | 14,793.08 | 711.81 |
| 23 52 33 13-0031 | EA | 546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B) | 16,472.15 | 854.16 |
| 23 52 33 13-0032 | EA | 630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B) | 17,477.90 | 969.67 |
| 23 52 33 13-0033 | EA | 756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B) | 19,414.71 | 1,067.70 |
| 23 52 33 13-0034 | EA | 832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B) | 20,885.18 | 1,149.24 |
| 23 52 33 13-0035 | EA | 1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B) | 23,870.39 | 1,281.24 |
| 23 52 33 13-0036 | EA | 1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B) | 27,792.85 | 1,352.43 |
| 23 52 33 13-0037 | EA | 1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B) | 29,479.61 | 1,459.20 |
| 23 52 33 13-0038 | EA | 1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B) | 35,343.47 | 1,494.79 |
| 23 52 33 13-0039 | EA | 1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B) | 35,451.32 | 1,530.38 |
| 23 52 33 13-0040 | EA | 1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B) | 41,574.11 | 1,565.97 |

## 23 52 33 16 Steel Water-Tube Boilers *(23 52 33)*

### 23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with SCAQMD.

| | | | | |
|---|---|---|---|---|
| 23 52 33 16-0002 | EA | 1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100) | 90,209.73 | 1,725.59 |
| 23 52 33 16-0003 | EA | 1,750 MBH Input/1.488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150) | 96,944.70 | 2,156.99 |
| 23 52 33 16-0004 | EA | 2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200) | 203,052.60 | 2,372.68 |
| 23 52 33 16-0005 | EA | 2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250) | 210,659.84 | 2,588.38 |
| 23 52 33 16-0006 | EA | 3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300) | 214,243.03 | 2,911.93 |
| 23 52 33 16-0007 | EA | 3,750 MBH Input/3,188 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350) | 225,652.75 | 3,235.47 |
| 23 52 33 16-0008 | EA | 4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400) | 230,761.17 | 3,343.32 |

### 23 52 33 16-0009 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with SCAQMD.

| | | | | |
|---|---|---|---|---|
| 23 52 33 16-0010 | EA | 1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF100LSG) | 105,319.31 | 1,941.29 |
| 23 52 33 16-0011 | EA | 1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF150LSG) | 110,532.64 | 2,264.83 |
| 23 52 33 16-0012 | EA | 2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF200LSG) | 217,946.47 | 2,480.53 |
| 23 52 33 16-0013 | EA | 2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF250LSG) | 231,423.62 | 2,696.23 |
| 23 52 33 16-0014 | EA | 3,000 MBH, 74 HP,83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF300LSG) | 236,094.77 | 2,911.93 |
| 23 52 33 16-0015 | EA | 3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF350LSG) | 245,221.37 | 3,235.47 |
| 23 52 33 16-0016 | EA | 4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF400LSG) | 253,488.43 | 3,451.17 |
| 23 52 33 16-0017 | EA | 5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF500LSG) | 249,670.95 | 3,666.87 |
| 23 52 33 16-0018 | EA | 6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF600LSG) | 270,323.93 | 3,882.57 |
| 23 52 33 16-0019 | EA | 7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF700LSG) | 284,454.05 | 4,098.26 |
| 23 52 33 16-0020 | EA | 8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF800LSG) | 291,734.81 | 4,313.96 |

### 23 52 33 16-0021 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with SCAQMD.

| | | | | |
|---|---|---|---|---|
| 23 52 33 16-0022 | EA | 1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS) | 113,472.33 | 1,941.29 |
| 23 52 33 16-0023 | EA | 1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS) | 120,318.09 | 2,264.83 |
| 23 52 33 16-0024 | EA | 2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS) | 229,035.58 | 2,480.53 |
| 23 52 33 16-0025 | EA | 2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS) | 242,839.22 | 2,696.23 |
| 23 52 33 16-0026 | EA | 3,000 MBH, 74 HP,81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS) | 247,510.37 | 2,911.93 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 33 16-0027 | EA | 3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS) | 255,006.83 | 3,235.47 |
| 23 52 33 16-0028 | EA | 4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS) | 263,593.52 | 3,451.17 |
| 23 52 33 16-0029 | EA | 5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS) | 259,129.91 | 3,666.87 |
| 23 52 33 16-0030 | EA | 6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS) | 281,415.33 | 3,882.57 |
| 23 52 33 16-0031 | EA | 7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS) | 290,326.23 | 4,098.26 |
| 23 52 33 16-0032 | EA | 8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS) | 302,826.21 | 4,313.96 |
| 23 52 33 16-0033 | EA | 9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS) | 336,851.43 | 4,529.66 |
| 23 52 33 16-0034 | EA | 10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS) | 487,804.36 | 4,745.36 |
| 23 52 33 16-0035 | EA | 12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS) | 512,535.01 | 4,961.05 |

## 23 52 36 Fire-Box Boiler *(23 52)*

### 23 52 36 00-0001 Package Oil Fired Firebox Boilers *(23 52 36)*

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.

| | | | | |
|---|---|---|---|---|
| 23 52 36 00-0002 | EA | 40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 87,618.40 | 2,811.27 |
| 23 52 36 00-0003 | EA | 46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 91,596.52 | 3,045.55 |
| 23 52 36 00-0004 | EA | 53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 95,893.65 | 3,279.81 |
| 23 52 36 00-0005 | EA | 61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 103,700.33 | 3,514.09 |
| 23 52 36 00-0006 | EA | 69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 108,316.48 | 3,748.36 |
| 23 52 36 00-0007 | EA | 80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 112,853.01 | 3,982.64 |
| 23 52 36 00-0008 | EA | 100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 125,541.12 | 4,216.91 |
| 23 52 36 00-0009 | EA | 127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 145,286.21 | 4,685.46 |
| 23 52 36 00-0010 | EA | 151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 165,366.37 | 5,154.00 |
| 23 52 36 00-0011 | EA | 183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 181,415.82 | 5,681.12 |
| 23 52 36 00-0012 | EA | 220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 197,465.41 | 6,208.23 |
| 23 52 36 00-0013 | EA | 257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 207,550.29 | 7,262.45 |
| 23 52 36 00-0014 | EA | 294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 252,969.73 | 8,316.68 |
| 23 52 36 00-0015 | EA | 368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 299,505.81 | 9,370.91 |
| 23 52 36 00-0016 | EA | 441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 346,515.55 | 10,542.27 |
| 23 52 36 00-0017 | EA | 514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water | 392,460.94 | 11,420.79 |

## 23 52 39 Fire-Tube Boilers *(23 52)*

### 23 52 39 13 Scotch Marine Boilers *(23 52 39)*

### 23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

### 23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 52 39 13-0003 | EA | 30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 69,811.49 | 1,288.50 |
| 23 52 39 13-0004 | EA | 40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 75,143.74 | 1,405.63 |
| 23 52 39 13-0005 | EA | 50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 81,616.13 | 1,522.77 |
| 23 52 39 13-0006 | EA | 60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 85,259.24 | 1,757.04 |
| 23 52 39 13-0007 | EA | 70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 89,334.38 | 1,874.18 |
| 23 52 39 13-0008 | EA | 80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 93,512.51 | 1,991.32 |
| 23 52 39 13-0009 | EA | 90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 96,399.09 | 2,049.89 |
| 23 52 39 13-0010 | EA | 100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 101,768.71 | 2,108.46 |
| 23 52 39 13-0011 | EA | 125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 115,070.24 | 2,342.72 |
| 23 52 39 13-0012 | EA | 150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 130,766.28 | 2,577.00 |
| 23 52 39 13-0013 | EA | 175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 143,430.96 | 2,840.55 |
| 23 52 39 13-0014 | EA | 200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 156,093.22 | 3,104.12 |
| 23 52 39 13-0015 | EA | 250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 164,605.35 | 3,631.23 |
| 23 52 39 13-0016 | EA | 300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 200,215.94 | 4,158.34 |
| 23 52 39 13-0017 | EA | 350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 216,729.01 | 4,685.46 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 39 13-0018 | EA | 400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 255,215.04 | 5,212.57 |
| 23 52 39 13-0019 | EA | 500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 310,037.46 | 5,739.68 |
| 23 52 39 13-0020 | EA | 600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 362,751.27 | 6,266.79 |
| 23 52 39 13-0021 | EA | 700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 413,218.11 | 6,793.91 |
| 23 52 39 13-0022 | EA | 800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 461,657.46 | 7,321.02 |
| 23 52 39 13-0023 | EA | 900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 719,169.80 | 7,848.13 |
| 23 52 39 13-0024 | EA | 1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 782,501.26 | 8,375.25 |
| **23 52 39 13-0025** | | **15 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)* | | |
| 23 52 39 13-0026 | EA | 30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 64,693.13 | 1,288.50 |
| 23 52 39 13-0027 | EA | 40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 69,640.12 | 1,405.63 |
| 23 52 39 13-0028 | EA | 50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 75,633.94 | 1,522.77 |
| 23 52 39 13-0029 | EA | 60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 82,397.36 | 1,757.04 |
| 23 52 39 13-0030 | EA | 70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 85,958.84 | 1,874.18 |
| 23 52 39 13-0031 | EA | 80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 89,514.81 | 1,991.32 |
| 23 52 39 13-0032 | EA | 90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 92,844.88 | 2,049.89 |
| 23 52 39 13-0033 | EA | 100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 99,493.88 | 2,108.46 |
| 23 52 39 13-0034 | EA | 125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 115,178.71 | 2,342.72 |
| 23 52 39 13-0035 | EA | 150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 130,884.33 | 2,577.00 |
| 23 52 39 13-0036 | EA | 175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 143,561.77 | 2,840.55 |
| 23 52 39 13-0037 | EA | 200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 156,236.79 | 3,104.12 |
| 23 52 39 13-0038 | EA | 250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 164,755.30 | 3,631.23 |
| 23 52 39 13-0039 | EA | 300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 200,400.99 | 4,158.34 |
| 23 52 39 13-0040 | EA | 350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 216,926.83 | 4,685.46 |
| 23 52 39 13-0041 | EA | 400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 255,451.14 | 5,212.57 |
| 23 52 39 13-0042 | EA | 500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 310,324.60 | 5,739.68 |
| 23 52 39 13-0043 | EA | 600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 363,089.46 | 6,266.79 |
| 23 52 39 13-0044 | EA | 700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 413,604.16 | 6,793.91 |
| 23 52 39 13-0045 | EA | 800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 462,091.37 | 7,321.02 |
| 23 52 39 13-0046 | EA | 900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 719,855.71 | 7,848.13 |
| 23 52 39 13-0047 | EA | 1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 783,251.61 | 8,375.25 |
| **23 52 39 13-0048** | | **15 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)* | | |
| 23 52 39 13-0049 | EA | 30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 72,051.70 | 1,288.50 |
| 23 52 39 13-0050 | EA | 40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 77,552.56 | 1,405.63 |
| 23 52 39 13-0051 | EA | 50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 84,229.14 | 1,522.77 |
| 23 52 39 13-0052 | EA | 60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 88,507.17 | 1,757.04 |
| 23 52 39 13-0053 | EA | 70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 92,320.69 | 1,874.18 |
| 23 52 39 13-0054 | EA | 80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 96,128.72 | 1,991.32 |
| 23 52 39 13-0055 | EA | 90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 99,707.64 | 2,049.89 |
| 23 52 39 13-0056 | EA | 100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 103,287.38 | 2,108.46 |
| 23 52 39 13-0057 | EA | 125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 119,587.98 | 2,342.72 |
| 23 52 39 13-0058 | EA | 150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 135,909.36 | 2,577.00 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 39 13-0059 | EA | 175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 149,071.76 | 2,840.55 |
| 23 52 39 13-0060 | EA | 200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 162,228.55 | 3,104.12 |
| 23 52 39 13-0061 | EA | 250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 171,015.06 | 3,631.23 |
| 23 52 39 13-0062 | EA | 300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 208,058.19 | 4,158.34 |
| 23 52 39 13-0063 | EA | 350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 225,183.84 | 4,685.46 |
| 23 52 39 13-0064 | EA | 400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 265,226.83 | 5,212.57 |
| 23 52 39 13-0065 | EA | 500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 322,298.55 | 5,739.68 |
| 23 52 39 13-0066 | EA | 600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 377,172.33 | 6,266.79 |
| 23 52 39 13-0067 | EA | 700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 429,706.61 | 6,793.91 |
| 23 52 39 13-0068 | EA | 800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 480,124.07 | 7,321.02 |
| 23 52 39 13-0069 | EA | 900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 748,544.10 | 7,848.13 |
| 23 52 39 13-0070 | EA | 1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 814,490.28 | 8,375.25 |
| 23 52 39 13-0071 | | **125 PSI Water Scotch Marine Boilers** *(23 52 39 13)*<br>Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output. | | |
| 23 52 39 13-0072 | | **125 PSI Gas Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)* | | |
| 23 52 39 13-0073 | EA | 40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 82,657.36 | 1,405.63 |
| 23 52 39 13-0074 | EA | 50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 92,763.73 | 1,522.77 |
| 23 52 39 13-0075 | EA | 60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 99,645.20 | 1,757.04 |
| 23 52 39 13-0076 | EA | 70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 107,115.04 | 1,874.18 |
| 23 52 39 13-0077 | EA | 80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 114,742.09 | 1,991.32 |
| 23 52 39 13-0078 | EA | 90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 120,812.80 | 2,049.89 |
| 23 52 39 13-0079 | EA | 100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 130,087.58 | 2,108.46 |
| 23 52 39 13-0080 | EA | 125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 139,557.32 | 2,342.72 |
| 23 52 39 13-0081 | EA | 150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 152,139.44 | 2,577.00 |
| 23 52 39 13-0082 | EA | 175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 161,827.38 | 2,840.55 |
| 23 52 39 13-0083 | EA | 200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 167,534.35 | 3,104.12 |
| 23 52 39 13-0084 | EA | 250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 202,821.16 | 3,631.23 |
| 23 52 39 13-0085 | EA | 300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 236,153.73 | 4,158.34 |
| 23 52 39 13-0086 | EA | 350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 254,517.30 | 4,685.46 |
| 23 52 39 13-0087 | EA | 400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 283,977.40 | 5,212.57 |
| 23 52 39 13-0088 | EA | 500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 344,163.04 | 5,739.68 |
| 23 52 39 13-0089 | EA | 600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 402,884.56 | 6,266.79 |
| 23 52 39 13-0090 | EA | 700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 459,103.88 | 6,793.91 |
| 23 52 39 13-0091 | EA | 800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 513,050.03 | 7,321.02 |
| 23 52 39 13-0092 | EA | 900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 800,921.58 | 7,848.13 |
| 23 52 39 13-0093 | EA | 1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 871,526.41 | 8,375.25 |
| 23 52 39 13-0094 | | **125 PSI Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)* | | |
| 23 52 39 13-0095 | EA | 40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 76,557.13 | 1,405.63 |
| 23 52 39 13-0096 | EA | 50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 85,897.78 | 1,522.77 |
| 23 52 39 13-0097 | EA | 60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 96,253.70 | 1,757.04 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 39 13-0098 | EA | 70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 103,008.87 | 1,874.18 |
| 23 52 39 13-0099 | EA | 80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 109,755.34 | 1,991.32 |
| 23 52 39 13-0100 | EA | 90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 116,272.72 | 2,049.89 |
| 23 52 39 13-0101 | EA | 100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 127,120.42 | 2,108.46 |
| 23 52 39 13-0102 | EA | 125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 139,688.13 | 2,342.72 |
| 23 52 39 13-0103 | EA | 150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 152,279.82 | 2,577.00 |
| 23 52 39 13-0104 | EA | 175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 161,977.33 | 2,840.55 |
| 23 52 39 13-0105 | EA | 200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 167,690.69 | 3,104.12 |
| 23 52 39 13-0106 | EA | 250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 203,009.40 | 3,631.23 |
| 23 52 39 13-0107 | EA | 300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 236,373.88 | 4,158.34 |
| 23 52 39 13-0108 | EA | 350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 254,753.39 | 4,685.46 |
| 23 52 39 13-0109 | EA | 400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 284,242.21 | 5,212.57 |
| 23 52 39 13-0110 | EA | 500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 344,485.28 | 5,739.68 |
| 23 52 39 13-0111 | EA | 600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 403,264.23 | 6,266.79 |
| 23 52 39 13-0112 | EA | 700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 459,537.79 | 6,793.91 |
| 23 52 39 13-0113 | EA | 800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 513,534.99 | 7,321.02 |
| 23 52 39 13-0114 | EA | 900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 801,690.35 | 7,848.13 |
| 23 52 39 13-0115 | EA | 1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 872,364.23 | 8,375.25 |
| **23 52 39 13-0116** | | **125 PSI Gas/Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)* | | |
| 23 52 39 13-0117 | EA | 40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 85,324.62 | 1,405.63 |
| 23 52 39 13-0118 | EA | 50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 95,762.80 | 1,522.77 |
| 23 52 39 13-0119 | EA | 60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 103,489.76 | 1,757.04 |
| 23 52 39 13-0120 | EA | 70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 110,752.21 | 1,874.18 |
| 23 52 39 13-0121 | EA | 80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 118,009.17 | 1,991.32 |
| 23 52 39 13-0122 | EA | 90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 125,037.02 | 2,049.89 |
| 23 52 39 13-0123 | EA | 100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 132,065.70 | 2,108.46 |
| 23 52 39 13-0124 | EA | 125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 145,118.37 | 2,342.72 |
| 23 52 39 13-0125 | EA | 150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 158,195.01 | 2,577.00 |
| 23 52 39 13-0126 | EA | 175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 168,253.05 | 2,840.55 |
| 23 52 39 13-0127 | EA | 200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 174,161.02 | 3,104.12 |
| 23 52 39 13-0128 | EA | 250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 210,864.41 | 3,631.23 |
| 23 52 39 13-0129 | EA | 300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 245,530.61 | 4,158.34 |
| 23 52 39 13-0130 | EA | 350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 264,586.51 | 4,685.46 |
| 23 52 39 13-0131 | EA | 400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 295,217.53 | 5,212.57 |
| 23 52 39 13-0132 | EA | 500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 357,885.38 | 5,739.68 |
| 23 52 39 13-0133 | EA | 600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 419,022.11 | 6,266.79 |
| 23 52 39 13-0134 | EA | 700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 477,554.54 | 6,793.91 |
| 23 52 39 13-0135 | EA | 800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 533,711.71 | 7,321.02 |
| 23 52 39 13-0136 | EA | 900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 833,789.86 | 7,848.13 |
| 23 52 39 13-0137 | EA | 1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit. | 907,313.24 | 8,375.25 |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 39 13-0138 | | **150 PSI Steam Scotch Marine Boilers** *(23 52 39 13)*<br>Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output. | | |
| 23 52 39 13-0139 | | **150 PSI Gas Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)* | | |
| 23 52 39 13-0140 | EA | 40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 96,000.03 | 1,405.63 |
| 23 52 39 13-0141 | EA | 50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 104,271.87 | 1,522.77 |
| 23 52 39 13-0142 | EA | 60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 108,728.56 | 1,757.04 |
| 23 52 39 13-0143 | EA | 70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 113,885.28 | 1,874.18 |
| 23 52 39 13-0144 | EA | 80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 119,176.89 | 1,991.32 |
| 23 52 39 13-0145 | EA | 90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 122,861.10 | 2,049.89 |
| 23 52 39 13-0146 | EA | 100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 129,771.73 | 2,108.46 |
| 23 52 39 13-0147 | EA | 125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 146,783.81 | 2,342.72 |
| 23 52 39 13-0148 | EA | 150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 166,901.88 | 2,577.00 |
| 23 52 39 13-0149 | EA | 175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 183,050.59 | 2,840.55 |
| 23 52 39 13-0150 | EA | 200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 199,196.87 | 3,104.12 |
| 23 52 39 13-0151 | EA | 250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 209,629.69 | 3,631.23 |
| 23 52 39 13-0152 | EA | 300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 255,293.54 | 4,158.34 |
| 23 52 39 13-0153 | EA | 350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 276,103.49 | 4,685.46 |
| 23 52 39 13-0154 | EA | 400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 325,530.47 | 5,212.57 |
| 23 52 39 13-0155 | EA | 500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 396,171.38 | 5,739.68 |
| 23 52 39 13-0156 | EA | 600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 464,046.45 | 6,266.79 |
| 23 52 39 13-0157 | EA | 700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 529,033.26 | 6,793.91 |
| 23 52 39 13-0158 | EA | 800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 591,370.43 | 7,321.02 |
| 23 52 39 13-0159 | EA | 900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 925,508.00 | 7,848.13 |
| 23 52 39 13-0160 | EA | 1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 1,007,179.40 | 8,375.25 |
| 23 52 39 13-0161 | | **150 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)* | | |
| 23 52 39 13-0162 | EA | 40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 88,843.74 | 1,405.63 |
| 23 52 39 13-0163 | EA | 50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 96,496.62 | 1,522.77 |
| 23 52 39 13-0164 | EA | 60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 105,005.24 | 1,757.04 |
| 23 52 39 13-0165 | EA | 70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 109,498.34 | 1,874.18 |
| 23 52 39 13-0166 | EA | 80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 113,982.76 | 1,991.32 |
| 23 52 39 13-0167 | EA | 90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 118,238.06 | 2,049.89 |
| 23 52 39 13-0168 | EA | 100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 126,810.94 | 2,108.46 |
| 23 52 39 13-0169 | EA | 125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 146,921.00 | 2,342.72 |
| 23 52 39 13-0170 | EA | 150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 167,058.21 | 2,577.00 |
| 23 52 39 13-0171 | EA | 175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 183,222.87 | 2,840.55 |
| 23 52 39 13-0172 | EA | 200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 199,385.11 | 3,104.12 |
| 23 52 39 13-0173 | EA | 250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 209,824.31 | 3,631.23 |
| 23 52 39 13-0174 | EA | 300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 255,532.83 | 4,158.34 |
| 23 52 39 13-0175 | EA | 350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 276,361.92 | 4,685.46 |
| 23 52 39 13-0176 | EA | 400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 325,836.76 | 5,212.57 |
| 23 52 39 13-0177 | EA | 500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 396,544.67 | 5,739.68 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 39 13-0178 | EA | 600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 464,486.74 | 6,266.79 |
| 23 52 39 13-0179 | EA | 700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 529,534.17 | 6,793.91 |
| 23 52 39 13-0180 | EA | 800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 591,931.96 | 7,321.02 |
| 23 52 39 13-0181 | EA | 900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 926,401.06 | 7,848.13 |
| 23 52 39 13-0182 | EA | 1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 1,008,155.32 | 8,375.25 |
| 23 52 39 13-0183 | | 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)* | | |
| 23 52 39 13-0184 | EA | 40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 99,129.91 | 1,405.63 |
| 23 52 39 13-0185 | EA | 50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 107,669.75 | 1,522.77 |
| 23 52 39 13-0186 | EA | 60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 112,949.59 | 1,757.04 |
| 23 52 39 13-0187 | EA | 70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 117,768.12 | 1,874.18 |
| 23 52 39 13-0188 | EA | 80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 122,577.96 | 1,991.32 |
| 23 52 39 13-0189 | EA | 90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 127,161.89 | 2,049.89 |
| 23 52 39 13-0190 | EA | 100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 131,743.45 | 2,108.46 |
| 23 52 39 13-0191 | EA | 125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 152,654.33 | 2,342.72 |
| 23 52 39 13-0192 | EA | 150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 173,589.17 | 2,577.00 |
| 23 52 39 13-0193 | EA | 175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 190,382.36 | 2,840.55 |
| 23 52 39 13-0194 | EA | 200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 207,176.31 | 3,104.12 |
| 23 52 39 13-0195 | EA | 250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 217,963.27 | 3,631.23 |
| 23 52 39 13-0196 | EA | 300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 265,487.19 | 4,158.34 |
| 23 52 39 13-0197 | EA | 350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 287,094.77 | 4,685.46 |
| 23 52 39 13-0198 | EA | 400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 338,544.52 | 5,212.57 |
| 23 52 39 13-0199 | EA | 500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 412,114.31 | 5,739.68 |
| 23 52 39 13-0200 | EA | 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 482,793.83 | 6,266.79 |
| 23 52 39 13-0201 | EA | 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 550,467.04 | 6,793.91 |
| 23 52 39 13-0202 | EA | 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 615,375.75 | 7,321.02 |
| 23 52 39 13-0203 | EA | 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 963,693.21 | 7,848.13 |
| 23 52 39 13-0204 | EA | 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler<br>Note: Burnham Series 3. Fire tested factory assembled unit. | 1,048,761.91 | 8,375.25 |
| **23 52 39 16** | | **Steel Fire-Tube Boilers** *(23 52 39)* | | |
| 23 52 39 16-0001 | | Boiler System *(23 52 39 16)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 52 39 16-0002 | LS | Three (3) 435 HP, 15,009 LBS/HR), Natural Gas Fired Horizontal Fire-Tube Boiler (Fulton Model FB-S-475); One (1) Combination Deaerator-Surge Feedwater Tank; One (1) Fulton Model F-500 Blow-off Separator - System Quote 2021FEP-0379 | 1,653,516.13 | 27,525.68 |

Note: Includes material, delivery and installation for three (3) Fulton Model FB-S-475, 435 HP Fuel-Fired Steam Boiler: natural gas fired, modulated burner, fuel train built to CSD-1 standards, Siemens Linkage-less, 460/60/3 motor voltage - TEFC, 120/60/1control voltage through an incorporated step down transformer, complete with NEMA 1 control panel, and shall have an input of 17,760,418 BTUH with an output of 14,563,365 BTUH (15,009 lbs/hr). The Siemens LMV-52 Series Parallel Positioning control platform shall be employed. The forced draft fan blower motor shall be 40 HP and gas utility requirement shall be a minimum of 3.2 psig with a maximum drop of 5% (3" w.c.) and a maximum of 10 psig. The boiler is a horizontal, three-pass, wet-back firetube design. The boiler pressure vessel will be constructed to ASME Section I Boiler Code with a Design Pressure (MAWP) of 150 psig. The boiler will be trimmed at 150 psig and designed for an operating pressure of 125 psig. Boiler tubes shall be .118 wall and shall be seal-welded throughout. The pressure vessel warranty shall cover defects in material and workmanship for a period of 3 years (36 months) from the date of shipment of product, parts warranty shall be one year (12 months). Warranty provided by Fulton Steam Solutions, Pulaski, N.Y. and supported locally be Fulton Equipment Pacific. Includes one (1) Combination Deaerator-Surge Feedwater Tank: 45,000 lbs/hr Capacity Tray Type Horizontal Pressurized Deaerator (0.005 cc/liter), the deaerator section is constructed of carbon steel with 906 NET gallons of storage. The surge tank section is constructed of 304 stainless steel with 906 NET gallons of storage. The deaerator is designed for (3) three boilers operating at 125 psig, trimmed at 150 psig. The steam heating assembly is designed to raise 90 GPM of incoming water from 150°F to 227°F using 125 psig steam at the regulator, via a modulating make-up assembly. The deaerator is supplied with two (2) Gould Model 33SV4/1 pumps, each designed for 140 GPM at 155 psig discharge pressure, TEFC motor HP 20. The surge tank is supplied with two (2) Shipco Vertical DF transfer pumps, each designed for 90 GPM at 35 psig discharge pressure, TEFC motor HP 3. Pump voltage is 460/60/3 TEFC, with 120/60/1 control voltage through an incorporated step down transformer. Standard Combination DA-Surge Features and Trim: Tank diameter 66" x 144" long, Tank stand elevated 120" in height. Includes one (1) Fulton Model F-500 Blow-off Separator.

## 23 53 Heating Boiler Feedwater Equipment *(23 50)*

### 23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

### 23 53 16 Deaerators *(23 53)*

#### 23 53 16 00-0001 Boiler Feed System *(23 53 16)*

#### 23 53 16 00-0002 Low Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

| | | | | |
|---|---|---|---|---|
| 23 53 16 00-0003 | EA | 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System | 7,025.86 | 1,347.84 |
| 23 53 16 00-0004 | EA | 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System | 7,584.09 | 1,587.90 |
| 23 53 16 00-0005 | EA | 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System | 8,147.26 | 1,643.53 |
| 23 53 16 00-0006 | EA | 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System | 8,407.43 | 1,703.83 |
| 23 53 16 00-0007 | EA | 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System | 8,896.46 | 1,820.94 |
| 23 53 16 00-0008 | EA | 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System | 14,239.42 | 1,973.17 |
| 23 53 16 00-0009 | EA | 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System | 16,067.21 | 2,107.84 |
| 23 53 16 00-0010 | EA | 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System | 18,419.53 | 2,400.59 |
| 23 53 16 00-0011 | EA | 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System | 20,270.28 | 2,576.24 |
| 23 53 16 00-0012 | EA | 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System | 21,839.37 | 2,751.90 |

#### 23 53 16 00-0013 High Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

| | | | | |
|---|---|---|---|---|
| 23 53 16 00-0014 | EA | 10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System | 9,757.57 | 1,149.12 |
| 23 53 16 00-0015 | EA | 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System | 10,165.16 | 1,347.84 |
| 23 53 16 00-0016 | EA | 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System | 11,310.98 | 1,587.90 |
| 23 53 16 00-0017 | EA | 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System | 12,225.23 | 1,643.53 |
| 23 53 16 00-0018 | EA | 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System | 12,438.38 | 1,703.83 |
| 23 53 16 00-0019 | EA | 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System | 15,016.22 | 1,820.94 |
| 23 53 16 00-0020 | EA | 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System | 19,544.67 | 1,973.17 |
| 23 53 16 00-0021 | EA | 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System | 20,047.85 | 2,107.84 |
| 23 53 16 00-0022 | EA | 183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System | 22,054.90 | 2,257.26 |
| 23 53 16 00-0023 | EA | 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System | 23,733.80 | 2,400.59 |
| 23 53 16 00-0024 | EA | 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System | 25,389.31 | 2,576.24 |
| 23 53 16 00-0025 | EA | 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System | 27,390.89 | 2,751.90 |

#### 23 53 16 00-0026 Boiler Feedwater System *(23 53 16)*

Note: With deaerator includes pumps and accessories.

| | | | | |
|---|---|---|---|---|
| 23 53 16 00-0027 | EA | 1,380 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories | 12,189.79 | 1,587.90 |
| 23 53 16 00-0028 | EA | 2,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories | 15,898.88 | 1,819.18 |
| 23 53 16 00-0029 | EA | 4,300 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories | 20,992.87 | 2,082.07 |
| 23 53 16 00-0030 | EA | 6,900 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories | 25,257.23 | 2,401.76 |
| 23 53 16 00-0031 | EA | 8,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories | 26,804.86 | 2,576.24 |
| 23 53 16 00-0032 | EA | 11,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories | 28,276.60 | 2,751.90 |
| 23 53 16 00-0033 | EA | 13,800 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories | 31,477.19 | 3,161.88 |
| 23 53 16 00-0034 | EA | 17,250 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories | 40,724.58 | 3,630.40 |
| 23 53 16 00-0035 | EA | 20,700 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories | 52,890.44 | 4,194.84 |
| 23 53 16 00-0036 | EA | 27,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories | 66,975.43 | 4,815.24 |
| 23 53 16 00-0037 | EA | 34,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories | 85,862.89 | 5,540.10 |
| 23 53 16 00-0038 | EA | 45,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories | 100,841.36 | 6,343.43 |

#### 23 53 16 00-0039 Duplex Vacuum Condensate Pumps *(23 53 16)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 53 16 00-0040 | EA | 7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump<br>Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102. | 34,037.12 | 936.82 |
| 23 53 16 00-0041 | EA | 9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump<br>Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5. | 34,799.85 | 995.37 |
| 23 53 16 00-0042 | EA | 12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump<br>Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5. | 35,679.95 | 1,053.92 |
| 23 53 16 00-0043 | EA | 18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump<br>Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252. | 34,441.04 | 1,112.47 |
| 23 53 16 00-0044 | EA | 28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump<br>Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402. | 46,830.97 | 1,171.02 |
| 23 53 16 00-0045 | EA | 42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump<br>Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502. | 49,295.76 | 1,229.58 |

## 23 54 Furnaces *(23 50)*

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

### 23 54 13 Electric-Resistance Furnaces *(23 54)*

#### 23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*

| | | | | |
|---|---|---|---|---|
| 23 54 13 00-0002 | EA | Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace<br>Note: Excludes cooling equipment. | 1,215.97 | 117.52 |
| 23 54 13 00-0003 | EA | >2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace<br>Note: Excludes cooling equipment. | 1,604.88 | 146.90 |
| 23 54 13 00-0004 | EA | >3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace<br>Note: Excludes cooling equipment. | 2,073.69 | 176.29 |

#### 23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*

| | | | | |
|---|---|---|---|---|
| 23 54 13 00-0006 | EA | Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace<br>Note: Excludes cooling equipment. | 1,215.97 | 117.52 |
| 23 54 13 00-0007 | EA | >2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace<br>Note: Excludes cooling equipment. | 1,452.87 | 132.21 |
| 23 54 13 00-0008 | EA | >2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace<br>Note: Excludes cooling equipment. | 1,588.23 | 146.90 |
| 23 54 13 00-0009 | EA | >3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace<br>Note: Excludes cooling equipment. | 1,663.64 | 161.60 |
| 23 54 13 00-0010 | EA | >3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace<br>Note: Excludes cooling equipment. | 2,073.69 | 176.29 |

#### 23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace *(23 54 13)*

| | | | | |
|---|---|---|---|---|
| 23 54 13 00-0012 | EA | 5 KW Heating Coil For Air Handler/Electric Furnace | 217.82 | 31.57 |
| 23 54 13 00-0013 | EA | 7 KW Heating Coil For Air Handler/Electric Furnace | 248.76 | 34.72 |
| 23 54 13 00-0014 | EA | 10 KW Heating Coil For Air Handler/Electric Furnace | 269.71 | 37.88 |
| 23 54 13 00-0015 | EA | 15 KW Heating Coil For Air Handler/Electric Furnace | 365.59 | 41.03 |
| 23 54 13 00-0016 | EA | 20 KW Heating Coil For Air Handler/Electric Furnace | 394.86 | 44.19 |

### 23 54 16 Fuel-Fired Furnaces *(23 54)*

#### 23 54 16 13 Gas-Fired Furnaces *(23 54 16)*

#### 23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces *(23 54 16 13)*

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

#### 23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 54 16 13-0003 | EA | 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 1,896.43 | 102.83 |
| 23 54 16 13-0004 | EA | 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 2,021.78 | 117.52 |
| 23 54 16 13-0005 | EA | 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 4 tons. | 2,331.94 | 132.21 |
| 23 54 16 13-0006 | EA | 100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 2,727.51 | 161.60 |
| 23 54 16 13-0007 | EA | 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 2,911.14 | 176.29 |

#### 23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 54 16 13-0009 | EA | 40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 2,109.52 | 102.83 |
| 23 54 16 13-0010 | EA | 60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 2,311.47 | 117.52 |
| 23 54 16 13-0011 | EA | 80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 2,453.09 | 132.21 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 54 16 13-0012 | EA | 80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3.5 tons. | 3,161.66 | 146.90 |
| 23 54 16 13-0013 | EA | 100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 2,895.66 | 161.60 |
| 23 54 16 13-0014 | EA | 120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 3,054.32 | 176.29 |
| **23 54 16 13-0015** | | **Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace** *(23 54 16 13-0001)* | | |
| 23 54 16 13-0016 | EA | 45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 4 tons. | 1,859.72 | 102.83 |
| 23 54 16 13-0017 | EA | 70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 4 tons. | 2,134.93 | 117.52 |
| 23 54 16 13-0018 | EA | 90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 4 tons. | 2,319.05 | 146.90 |
| 23 54 16 13-0019 | EA | 90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 2,477.71 | 161.60 |
| **23 54 16 13-0020** | | **Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace** *(23 54 16 13-0001)* | | |
| 23 54 16 13-0021 | EA | 40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 4 tons. | 2,435.84 | 102.83 |
| 23 54 16 13-0022 | EA | 60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 2,567.87 | 117.52 |
| 23 54 16 13-0023 | EA | 80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 4 tons. | 2,859.71 | 132.21 |
| 23 54 16 13-0024 | EA | 100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 4 tons. | 3,127.08 | 161.60 |
| 23 54 16 13-0025 | EA | 120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 3,352.33 | 176.29 |
| **23 54 16 13-0026** | | **Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace** *(23 54 16 13-0001)* | | |
| 23 54 16 13-0027 | EA | 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 1,693.30 | 102.83 |
| 23 54 16 13-0028 | EA | 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 1,787.03 | 117.52 |
| 23 54 16 13-0029 | EA | 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 1,993.97 | 132.21 |
| 23 54 16 13-0030 | EA | 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 4 tons. | 2,010.61 | 132.21 |
| 23 54 16 13-0031 | EA | 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 2,194.25 | 146.90 |
| 23 54 16 13-0032 | EA | 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 2,314.61 | 161.60 |
| 23 54 16 13-0033 | EA | 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 2,454.95 | 176.29 |
| **23 54 16 13-0034** | | **Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)* | | |
| 23 54 16 13-0035 | EA | 40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 1,182.17 | 102.83 |
| 23 54 16 13-0036 | EA | 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 1,294.22 | 117.52 |
| 23 54 16 13-0037 | EA | 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 4 tons. | 1,479.51 | 132.21 |
| 23 54 16 13-0038 | EA | 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 4 tons. | 1,481.18 | 132.21 |
| 23 54 16 13-0039 | EA | 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 1,626.52 | 146.90 |
| 23 54 16 13-0040 | EA | 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 1,671.96 | 161.60 |
| 23 54 16 13-0041 | EA | 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 1,857.25 | 176.29 |
| **23 54 16 13-0042** | | **Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)* | | |
| 23 54 16 13-0043 | EA | 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 1,198.82 | 102.83 |
| 23 54 16 13-0044 | EA | 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 3 tons. | 1,299.21 | 117.52 |
| 23 54 16 13-0045 | EA | 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 4 tons. | 1,554.43 | 132.21 |
| 23 54 16 13-0046 | EA | 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace<br>Note: Blower cooling capacity up to 5 tons. | 1,711.43 | 146.90 |
| **23 54 16 13-0047** | | **75% AFUE Gas Wall/Recessed Furnace** *(23 54 16 13-0001)* | | |
| 23 54 16 13-0048 | EA | 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace | 2,019.06 | 88.14 |
| 23 54 16 13-0049 | EA | 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace | 2,331.96 | 110.24 |
| 23 54 16 13-0050 | EA | 35 MBH 75% AFUE Gas Wall/Recessed Furnace | 1,827.60 | 88.14 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 54 16 13-0051 | EA | 40 MBH 75% AFUE Gas Wall/Recessed Furnace | 1,953.54 | 95.55 |
| 23 54 16 13-0052 | EA | 50 MBH 75% AFUE Gas Wall/Recessed Furnace | 1,937.97 | 102.83 |
| 23 54 16 13-0053 | EA | 65 MBH 75% AFUE Gas Wall/Recessed Furnace | 1,997.40 | 110.24 |
| 23 54 16 13-0054 | EA | 75 MBH 75% AFUE Gas Wall/Recessed Furnace | 2,067.45 | 110.24 |

### 23 54 16 13-0055 Gas Fired Indoor Duct Furnace *(23 54 16 13-0001)*

Note: Includes burner, controls and electronic ignition.

### 23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)*

| | | | | |
|---|---|---|---|---|
| 23 54 16 13-0057 | EA | 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 2,796.38 | 229.18 |
| 23 54 16 13-0058 | EA | 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 3,109.01 | 282.07 |
| 23 54 16 13-0059 | EA | 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 3,510.18 | 405.47 |
| 23 54 16 13-0060 | EA | 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 3,958.85 | 458.35 |
| 23 54 16 13-0061 | EA | 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 4,615.44 | 528.87 |
| 23 54 16 13-0062 | EA | 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 5,060.21 | 634.65 |
| 23 54 16 13-0063 | EA | 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 5,745.70 | 846.20 |

### 23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)*

Note: Includes burner, controls and electronic ignition.

| | | | | |
|---|---|---|---|---|
| 23 54 16 13-0065 | EA | 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 3,138.15 | 229.18 |
| 23 54 16 13-0066 | EA | 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 3,445.67 | 282.07 |
| 23 54 16 13-0067 | EA | 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 3,972.67 | 405.47 |
| 23 54 16 13-0068 | EA | 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 4,504.65 | 458.35 |
| 23 54 16 13-0069 | EA | 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 5,557.42 | 528.87 |
| 23 54 16 13-0070 | EA | 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 6,082.11 | 634.65 |
| 23 54 16 13-0071 | EA | 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace | 6,711.47 | 846.20 |

### 23 54 16 13-0072 Natural Gas Fired Forced Air Furnaces *(23 54 16 13)*

Note: Excludes flue, condenser, evaporator coil, piping, ductwork and electrical connections.

### 23 54 16 13-0073 70% AFUE Gas Wall/Recessed Furnace *(23 54 16 13-0072)*

| | | | | |
|---|---|---|---|---|
| 23 54 16 13-0074 | EA | 25 MBH 70% AFUE Gas Wall/Recessed Furnace (Williams 2509622A)<br>Note: Includes millivolt thermostate (P322016) | 1,578.08 | 235.06 |
| | | *For 100 CFM, Automatic Blower Option (Williams 2901), Add* | *318.60* | |
| | | *For 125 CFM, Automatic Blower Option (Williams 2907), Add* | *376.17* | |
| | | *For Rear Outlet Register Option (Williams 6901), Add* | *82.94* | |
| | | *For Starter Kit Option (Williams 9929), Add*<br>*Note: Includes a hold down plate, two spacer plates, a oval to round adapter, and two 4" oval pipes that are two feet in length.* | *389.30* | |
| | | *For Freestanding Installation Kit Option (Williams 4901), Add*<br>*Note: For single-sided furnaces to be surface mounted rather than recessed into the wall.* | *448.06* | |
| 23 54 16 13-0075 | EA | 35 MBH 70% AFUE Gas Wall/Recessed Furnace (Williams 3509622A)<br>Note: Includes millivolt thermostate (P322016) | 1,692.52 | 254.64 |
| | | *For 100 CFM, Automatic Blower Option (Williams 2901), Add* | *318.60* | |
| | | *For 125 CFM, Automatic Blower Option (Williams 2907), Add* | *376.17* | |
| | | *For Rear Outlet Register Option (Williams 6901), Add* | *82.94* | |
| | | *For Starter Kit Option (Williams 9929), Add*<br>*Note: Includes a hold down plate, two spacer plates, a oval to round adapter, and two 4" oval pipes that are two feet in length.* | *389.30* | |
| | | *For Freestanding Installation Kit Option (Williams 4901), Add*<br>*Note: For single-sided furnaces to be surface mounted rather than recessed into the wall.* | *448.06* | |
| 23 54 16 13-0076 | EA | 50 MBH 70% AFUE Gas Wall/Recessed Furnace (Williams 5009622A)<br>Note: Includes millivolt thermostate (P322016) | 2,181.25 | 274.23 |
| | | *For 100 CFM, Automatic Blower Option (Williams 2901), Add* | *318.60* | |
| | | *For 125 CFM, Automatic Blower Option (Williams 2907), Add* | *376.17* | |
| | | *For Rear Outlet Register Option (Williams 6901), Add* | *82.94* | |
| | | *For Starter Kit Option (Williams 9929), Add*<br>*Note: Includes a hold down plate, two spacer plates, a oval to round adapter, and two 4" oval pipes that are two feet in length.* | *389.30* | |
| | | *For Freestanding Installation Kit Option (Williams 4901), Add*<br>*Note: For single-sided furnaces to be surface mounted rather than recessed into the wall.* | *448.06* | |

## 23 54 16 16 Oil-Fired Furnaces *(23 54 16)*

### 23 54 16 16-0001 Oil Fired Forced Air Furnaces *(23 54 16 16)*

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

### 23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*

| | | | | |
|---|---|---|---|---|
| 23 54 16 16-0003 | EA | 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace<br>Note: Blower cooling capacity up to 3 tons. | 3,253.81 | 117.52 |
| 23 54 16 16-0004 | EA | 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace<br>Note: Blower cooling capacity up to 4 tons. | 3,466.72 | 161.60 |
| 23 54 16 16-0005 | EA | 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace<br>Note: Blower cooling capacity up to 5 tons. | 4,002.13 | 190.99 |

### 23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*

| | | | | |
|---|---|---|---|---|
| 23 54 16 16-0007 | EA | 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace<br>Note: Blower cooling capacity up to 3 tons. | 3,776.40 | 161.60 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 54 16 16-0008 | EA | 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace<br>Note: Blower cooling capacity up to 5 tons. | 3,814.00 | 190.99 |
| 23 54 16 16-0009 | | Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)* | | |
| 23 54 16 16-0010 | EA | 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace<br>Note: Blower cooling capacity up to 4 tons. | 3,270.27 | 161.60 |
| 23 54 16 16-0011 | EA | 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace<br>Note: Blower cooling capacity up to 5 tons. | 3,882.26 | 190.99 |
| **23 54 19** | | **Furnace Accessories** *(23 54)* | | |
| 23 54 19 00-0001 | EA | LP Gas Furnace Conversion Kit | 210.54 | 29.38 |
| 23 54 19 00-0002 | EA | 1" Furnace External Filter Rack | 64.51 | |
| 23 54 19 00-0003 | EA | Removal And Reinstallation Of Forced Air Furnace<br>Note: Includes storage and cleaning. Excludes ductwork. | 544.11 | |
| **23 55** | | **Fuel-Fired Heaters** *(23 50)* | | |
| **23 55 23** | | **Gas-Fired Radiant Heaters** *(23 55)* | | |
| **23 55 23 13** | | **Low-Intensity Gas-Fired Radiant Heaters** *(23 55 23)* | | |
| 23 55 23 13-0001 | | Infrared Heaters-Radiant Energy *(23 55 23 13)*<br>Note: For spot localized or total heating, ceiling hung units, no fan required. | | |
| 23 55 23 13-0002 | | Gas Fired Electric Ignition Infrared Gas Heater *(23 55 23 13-0001)*<br>Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector. | | |
| 23 55 23 13-0003 | EA | 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan | 997.10 | 117.10 |
| 23 55 23 13-0004 | EA | 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan | 1,100.98 | 128.81 |
| 23 55 23 13-0005 | EA | 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan | 1,177.89 | 128.81 |
| 23 55 23 13-0006 | EA | 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan | 1,477.55 | 154.58 |
| 23 55 23 13-0007 | EA | 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan | 1,490.51 | 154.58 |
| 23 55 23 13-0008 | | Rolled Steel Or Aluminum Housing Infrared Electric Heater *(23 55 23 13-0001)*<br>Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element. | | |
| 23 55 23 13-0009 | EA | 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required | 1,125.67 | 129.28 |
| | | *For Stainless Steel Housing, Add* | *183.48* | |
| 23 55 23 13-0010 | EA | 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required | 1,204.71 | 129.28 |
| | | *For Stainless Steel Housing, Add* | *203.24* | |
| 23 55 23 13-0011 | EA | 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required | 1,295.04 | 129.28 |
| | | *For Stainless Steel Housing, Add* | *225.82* | |
| 23 55 23 13-0012 | EA | 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required | 1,403.63 | 129.28 |
| | | *For Stainless Steel Housing, Add* | *252.97* | |
| 23 55 23 13-0013 | EA | 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required | 1,533.00 | 141.03 |
| | | *For Stainless Steel Housing, Add* | *281.88* | |
| 23 55 23 13-0014 | EA | 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required | 1,637.74 | 152.78 |
| | | *For Stainless Steel Housing, Add* | *303.56* | |
| 23 55 23 13-0015 | EA | 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required | 2,638.86 | 164.54 |
| | | *For Stainless Steel Housing, Add* | *542.08* | |
| 23 55 23 13-0016 | | Gas Fired Tubular Infrared Heater *(23 55 23 13-0001)*<br>Note: Per Tube Length. Includes controls and supports. | | |
| 23 55 23 13-0017 | | "U" Package *(23 55 23 13-0016)* | | |
| 23 55 23 13-0018 | LF | Up To 75 MBH Input Radiant Heater | 93.43 | 5.85 |
| 23 55 23 13-0019 | LF | 76 To 105 MBH Input Radiant Heater | 107.78 | 7.03 |
| 23 55 23 13-0020 | LF | 106 To 130 MBH Input Radiant Heater | 131.80 | 8.20 |
| 23 55 23 13-0021 | | "S" Straight Package *(23 55 23 13-0016)* | | |
| 23 55 23 13-0022 | LF | Up To 75 MBH Input Radiant Heater | 75.91 | 4.68 |
| 23 55 23 13-0023 | LF | 76 To 105 MBH Input Radiant Heater | 96.69 | 5.85 |
| 23 55 23 13-0024 | LF | 106 To 130 MBH Input Radiant Heater | 117.44 | 7.03 |
| **23 55 33** | | **Fuel-Fired Unit Heaters** *(23 55)* | | |
| 23 55 33 00-0001 | | Oil-Fired Unit Heaters *(23 55 33)* | | |
| 23 55 33 00-0002 | | Oil Fired Unit Heater *(23 55 33 00-0001)* | | |
| 23 55 33 00-0003 | | Horizontal Fan Propelled Oil Fired Unit Heater, 115 Voltl, 1 phase *(23 55 33 00-0002)* | | |
| 23 55 33 00-0004 | EA | 97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 6,056.69 | 539.24 |
| | | *For 3 Phase, 460 Volt, Add* | *642.19* | |
| 23 55 33 00-0005 | EA | 142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 6,505.80 | 593.17 |
| | | *For 3 Phase, 460 Volt, Add* | *686.23* | |
| 23 55 33 00-0006 | EA | 188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 6,993.97 | 647.09 |
| | | *For 3 Phase, 460 Volt, Add* | *735.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 55 33 00-0007 | | **Gas-Fired Unit Heaters** *(23 55 33)* | | |
| 23 55 33 00-0008 | | **Removal And Reinstallation Of Unit Heaters** *(23 55 33 00-0007)*<br>Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports. | | |
| 23 55 33 00-0009 | EA | Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater | 673.33 | |
| 23 55 33 00-0010 | EA | Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater | 907.54 | |
| 23 55 33 00-0011 | | **Gas Fired Unit Heaters** *(23 55 33 00-0007)* | | |
| 23 55 33 00-0012 | | **Horizontal Fan Propelled Natural Gas Fired Unit Heaters, 115 Vol, 1 phase** *(23 55 33 00-0011)*<br>Note: 80 to 83 percent thermal efficiency, single stage, propeller unit, aluminum steel heat exchanger | | |
| 23 55 33 00-0013 | EA | 24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 2,758.41 | 202.21 |
| | | *For 90 Percent Efficiency, Add* | *788.59* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *205.97* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *56.50* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *90.63* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *135.35* | |
| | | *For 3 Phase, 460 Volt, Add* | *303.66* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |
| 23 55 33 00-0014 | EA | 36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 3,001.06 | 242.66 |
| | | *For 90 Percent Efficiency, Add* | *842.79* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *220.13* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *60.38* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *96.86* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *144.66* | |
| | | *For 3 Phase, 460 Volt, Add* | *324.54* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |
| 23 55 33 00-0015 | EA | 48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 3,050.37 | 242.66 |
| | | *For Blower Unit Model, Add* | *243.68* | |
| | | *For 90 Percent Efficiency, Add* | *859.31* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *224.45* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *61.56* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *98.76* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *147.49* | |
| | | *For 3 Phase, 460 Volt, Add* | *330.90* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |
| 23 55 33 00-0016 | EA | 60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 3,316.76 | 283.10 |
| | | *For Blower Unit Model, Add* | *261.30* | |
| | | *For 90 Percent Efficiency, Add* | *921.44* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *240.67* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *66.01* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *105.90* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *158.16* | |
| | | *For 3 Phase, 460 Volt, Add* | *354.82* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |
| 23 55 33 00-0017 | EA | 72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 3,638.33 | 323.55 |
| | | *For Blower Unit Model, Add* | *284.17* | |
| | | *For 90 Percent Efficiency, Add* | *1,002.08* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *261.74* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *71.79* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *115.16* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *172.00* | |
| | | *For 3 Phase, 460 Volt, Add* | *385.88* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |
| 23 55 33 00-0018 | EA | 81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 3,907.65 | 343.77 |
| | | *For Blower Unit Model, Add* | *305.92* | |
| | | *For 90 Percent Efficiency, Add* | *1,078.76* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *281.77* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *77.28* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *123.98* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *185.16* | |
| | | *For 3 Phase, 460 Volt, Add* | *415.40* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |
| 23 55 33 00-0019 | EA | 101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 4,031.98 | 343.77 |
| | | *For Blower Unit Model, Add* | *317.73* | |
| | | *For 90 Percent Efficiency, Add* | *1,120.41* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *292.64* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *80.27* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *128.76* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *192.31* | |
| | | *For 3 Phase, 460 Volt, Add* | *431.44* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |
| 23 55 33 00-0020 | EA | 121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 4,145.51 | 343.77 |
| | | *For Blower Unit Model, Add* | *328.51* | |
| | | *For 90 Percent Efficiency, Add* | *1,158.44* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *302.58* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *82.99* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *133.13* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *198.84* | |
| | | *For 3 Phase, 460 Volt, Add* | *446.09* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 55 33 00-0021 | EA | 141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 4,705.79 | 363.99 |
| | | *For Blower Unit Model, Add* | *377.90* | |
| | | *For 90 Percent Efficiency, Add* | *1,332.59* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *348.06* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *95.47* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *153.15* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *228.73* | |
| | | *For 3 Phase, 460 Volt, Add* | *513.15* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |
| 23 55 33 00-0022 | EA | 162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 5,191.18 | 363.99 |
| | | *For Blower Unit Model, Add* | *424.01* | |
| | | *For 90 Percent Efficiency, Add* | *1,495.19* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *390.54* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *107.12* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *171.84* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *256.64* | |
| | | *For 3 Phase, 460 Volt, Add* | *575.76* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |
| 23 55 33 00-0023 | EA | 202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 5,593.70 | 363.99 |
| | | *For Blower Unit Model, Add* | *462.25* | |
| | | *For 90 Percent Efficiency, Add* | *1,630.04* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *425.76* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *116.78* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *187.33* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *279.78* | |
| | | *For 3 Phase, 460 Volt, Add* | *627.69* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |
| 23 55 33 00-0024 | EA | 243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 6,712.61 | 404.44 |
| | | *For Blower Unit Model, Add* | *560.85* | |
| | | *For 90 Percent Efficiency, Add* | *1,977.73* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *516.57* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *141.69* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *227.29* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *339.46* | |
| | | *For 3 Phase, 460 Volt, Add* | *761.57* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |
| 23 55 33 00-0025 | EA | 283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 7,624.20 | 404.44 |
| | | *For Blower Unit Model, Add* | *647.45* | |
| | | *For 90 Percent Efficiency, Add* | *2,283.11* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *596.33* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *163.57* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *262.39* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *391.88* | |
| | | *For 3 Phase, 460 Volt, Add* | *879.17* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |
| 23 55 33 00-0026 | EA | 324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt | 8,170.68 | 444.88 |
| | | *For Blower Unit Model, Add* | *691.69* | |
| | | *For 90 Percent Efficiency, Add* | *2,439.11* | |
| | | *For Stainless Steel Heat Exchanger, Add* | *637.08* | |
| | | *For 30 Degree, Downward Air Deflection Hood, Add* | *174.74* | |
| | | *For 60 Degree, Downward Air Deflection Hood, Add* | *280.32* | |
| | | *For 90 Degree, Downward Air Deflection Hood, Add* | *418.65* | |
| | | *For 3 Phase, 460 Volt, Add* | *939.24* | |
| | | *For Quick-Swivel Flush Mount With Brackets, Add* | *175.00* | |

## 23 57 Heat Exchangers for HVAC *(23 50)*

### 23 57 13 Steam-To-Steam Heat Exchangers *(23 57)*

#### 23 57 13 00-0001 Steam Generator Heat Exchanger *(23 57 13)*

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

| | | | | |
|---|---|---|---|---|
| 23 57 13 00-0002 | EA | 75 Lb./Hour Steam Generator Heat Exchanger, 35 PSI | 22,474.67 | 1,873.63 |
| 23 57 13 00-0003 | EA | 300 Lb./Hour Steam Generator Heat Exchanger, 35 PSI | 30,421.59 | 1,990.74 |
| 23 57 13 00-0004 | EA | 525 Lb./Hour Steam Generator Heat Exchanger, 35 PSI | 41,066.95 | 2,478.54 |

### 23 57 16 Steam-To-Water Heat Exchangers *(23 57)*

#### 23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

| | | | | |
|---|---|---|---|---|
| 23 57 16 00-0002 | EA | 8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 2,620.25 | 292.76 |
| | | *For Bronze Head And Tube Sheet, Add* | *1,003.46* | |
| | | *For Copper Nickel Tubes, Add* | *222.99* | |
| | | *For Double Wall Tube Bundles, Add* | *334.49* | |
| 23 57 16 00-0003 | EA | 10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 3,845.13 | 292.76 |
| | | *For Bronze Head And Tube Sheet, Add* | *1,519.52* | |
| | | *For Copper Nickel Tubes, Add* | *337.67* | |
| | | *For Double Wall Tube Bundles, Add* | *506.51* | |
| 23 57 16 00-0004 | EA | 40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 5,809.87 | 409.86 |
| | | *For Bronze Head And Tube Sheet, Add* | *2,350.96* | |
| | | *For Copper Nickel Tubes, Add* | *522.44* | |
| | | *For Double Wall Tube Bundles, Add* | *783.65* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 57 16 00-0005 | EA | 64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 9,134.99 | 409.86 |
| | | *For Bronze Head And Tube Sheet, Add* | *3,583.79* | |
| | | *For Copper Nickel Tubes, Add* | *796.40* | |
| | | *For Double Wall Tube Bundles, Add* | *1,194.60* | |
| 23 57 16 00-0006 | EA | 96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 12,039.92 | 482.47 |
| | | *For Bronze Head And Tube Sheet, Add* | *4,759.27* | |
| | | *For Copper Nickel Tubes, Add* | *1,057.62* | |
| | | *For Double Wall Tube Bundles, Add* | *1,586.42* | |
| 23 57 16 00-0007 | EA | 120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 15,840.06 | 614.45 |
| | | *For Bronze Head And Tube Sheet, Add* | *6,250.12* | |
| | | *For Copper Nickel Tubes, Add* | *1,388.92* | |
| | | *For Double Wall Tube Bundles, Add* | *2,083.37* | |
| 23 57 16 00-0008 | EA | 168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 19,547.21 | 922.25 |
| | | *For Bronze Head And Tube Sheet, Add* | *7,654.97* | |
| | | *For Copper Nickel Tubes, Add* | *1,701.10* | |
| | | *For Double Wall Tube Bundles, Add* | *2,551.66* | |
| 23 57 16 00-0009 | EA | 240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 29,674.31 | 922.25 |
| | | *For Bronze Head And Tube Sheet, Add* | *11,926.84* | |
| | | *For Copper Nickel Tubes, Add* | *2,650.41* | |
| | | *For Double Wall Tube Bundles, Add* | *3,975.61* | |

## 23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

### 23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001 Plate And Frame Heat Exchanger *(23 57 19 13)*

| | | | | |
|---|---|---|---|---|
| 23 57 19 13-0002 | EA | 8" W x 18-7/8"H Plate And Frame Heat Exchanger | 4,135.00 | 292.76 |
| 23 57 19 13-0003 | EA | 8" W x 24-9/16"H Plate And Frame Heat Exchanger | 5,520.17 | 292.76 |
| 23 57 19 13-0004 | EA | 11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger | 7,368.67 | 351.31 |
| 23 57 19 13-0005 | EA | 16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger | 10,024.50 | 380.59 |
| 23 57 19 13-0006 | EA | 16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger | 10,976.81 | 380.59 |
| 23 57 19 13-0007 | EA | 24" W x 57-11/16"H Plate And Frame Heat Exchanger | 14,325.20 | 409.86 |
| 23 57 19 13-0008 | EA | 26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger | 15,104.36 | 409.86 |
| 23 57 19 13-0009 | EA | 24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger | 18,684.29 | 468.41 |
| 23 57 19 13-0010 | EA | 24" W x 69-11/16"H Plate And Frame Heat Exchanger | 22,870.24 | 526.96 |
| 23 57 19 13-0011 | EA | 26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger | 23,735.97 | 526.96 |
| 23 57 19 13-0012 | EA | 24" W x 89-13/16"H Plate And Frame Heat Exchanger | 29,404.32 | 622.51 |
| 23 57 19 13-0013 | EA | 26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger | 35,504.50 | 684.65 |
| 23 57 19 13-0014 | EA | 40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger | 40,998.52 | 746.79 |

### 23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

| | | | | |
|---|---|---|---|---|
| 23 57 19 19-0002 | EA | 7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 3,129.95 | 292.76 |
| | | *For Copper Nickel Tubes, Add* | *273.96* | |
| | | *For Double Wall Tube Bundles, Add* | *410.94* | |
| 23 57 19 19-0003 | EA | 16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 4,354.83 | 292.76 |
| | | *For Copper Nickel Tubes, Add* | *388.64* | |
| | | *For Double Wall Tube Bundles, Add* | *582.96* | |
| 23 57 19 19-0004 | EA | 34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 6,510.70 | 409.86 |
| | | *For Copper Nickel Tubes, Add* | *592.52* | |
| | | *For Double Wall Tube Bundles, Add* | *888.78* | |
| 23 57 19 19-0005 | EA | 55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 9,318.05 | 409.86 |
| | | *For Copper Nickel Tubes, Add* | *853.74* | |
| | | *For Double Wall Tube Bundles, Add* | *1,280.61* | |
| 23 57 19 19-0006 | EA | 74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 11,530.72 | 468.41 |
| | | *For Copper Nickel Tubes, Add* | *1,051.24* | |
| | | *For Double Wall Tube Bundles, Add* | *1,576.87* | |
| 23 57 19 19-0007 | EA | 86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 15,376.67 | 468.41 |
| | | *For Copper Nickel Tubes, Add* | *1,414.40* | |
| | | *For Double Wall Tube Bundles, Add* | *2,121.60* | |
| 23 57 19 19-0008 | EA | 112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 19,076.31 | 461.12 |
| | | *For Copper Nickel Tubes, Add* | *1,758.44* | |
| | | *For Double Wall Tube Bundles, Add* | *2,637.67* | |
| 23 57 19 19-0009 | EA | 126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 23,728.40 | 461.12 |
| | | *For Copper Nickel Tubes, Add* | *2,191.68* | |
| | | *For Double Wall Tube Bundles, Add* | *3,287.53* | |
| 23 57 19 19-0010 | EA | 152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube | 30,338.79 | 461.12 |
| | | *For Copper Nickel Tubes, Add* | *2,803.32* | |
| | | *For Double Wall Tube Bundles, Add* | *4,204.98* | |

### 23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

| | | | | |
|---|---|---|---|---|
| 23 57 19 23-0002 | EA | 10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube | 3,535.10 | 234.21 |
| | | *For Copper Nickel Tubes, Add* | *306.67* | |
| | | *For Double Wall Tube Bundles, Add* | *460.00* | |
| 23 57 19 23-0003 | EA | 53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube | 9,453.80 | 390.31 |
| | | *For Copper Nickel Tubes, Add* | *867.31* | |
| | | *For Double Wall Tube Bundles, Add* | *1,300.97* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 57 19 23-0004 | EA | 70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube | 12,741.40 | 509.16 |
| | | *For Copper Nickel Tubes, Add* | *1,172.49* | |
| | | *For Double Wall Tube Bundles, Add* | *1,758.73* | |
| 23 57 19 23-0005 | EA | 87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube | 13,657.62 | 616.30 |
| | | *For Copper Nickel Tubes, Add* | *1,242.76* | |
| | | *For Double Wall Tube Bundles, Add* | *1,864.13* | |
| 23 57 19 23-0006 | EA | 105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube | 16,482.58 | 732.38 |
| | | *For Copper Nickel Tubes, Add* | *1,499.42* | |
| | | *For Double Wall Tube Bundles, Add* | *2,249.13* | |

# 23 60 Central Cooling Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0001 for terminations, 26 28 16 16-0001 for disconnect.

## 23 61 Refrigerant Compressors *(23 60)*

### 23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

#### 23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors *(23 61 16)*

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

| | | | | |
|---|---|---|---|---|
| 23 61 16 00-0002 | EA | 1/4 Ton Refrigerant Compressor, Reciprocating Open Type | 720.56 | 111.01 |
| 23 61 16 00-0003 | EA | 1/3 Ton Refrigerant Compressor, Reciprocating Open Type | 858.08 | 111.01 |
| 23 61 16 00-0004 | EA | 1/2 Ton Refrigerant Compressor, Reciprocating Open Type | 1,165.72 | 138.72 |
| 23 61 16 00-0005 | EA | 3/4 Ton Refrigerant Compressor, Reciprocating Open Type | 1,449.36 | 138.72 |
| 23 61 16 00-0006 | EA | 1 Ton Refrigerant Compressor, Reciprocating Open Type | 1,621.26 | 138.72 |
| 23 61 16 00-0007 | EA | 1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type | 1,642.38 | 144.33 |
| 23 61 16 00-0008 | EA | 1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type | 1,652.41 | 144.33 |
| 23 61 16 00-0009 | EA | 1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type | 1,815.01 | 155.42 |
| 23 61 16 00-0010 | EA | 2 Ton Refrigerant Compressor, Reciprocating Open Type | 1,951.83 | 166.53 |
| 23 61 16 00-0011 | EA | 2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type | 2,128.73 | 177.63 |
| 23 61 16 00-0012 | EA | 3 Ton Refrigerant Compressor, Reciprocating Open Type | 2,423.83 | 177.63 |
| 23 61 16 00-0013 | EA | 3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type | 2,721.07 | 188.73 |
| 23 61 16 00-0014 | EA | 4 Ton Refrigerant Compressor, Reciprocating Open Type | 2,777.68 | 199.83 |
| 23 61 16 00-0015 | EA | 4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type | 2,823.13 | 205.34 |
| 23 61 16 00-0016 | EA | 5 Ton Refrigerant Compressor, Reciprocating Open Type | 4,120.90 | 1,074.91 |
| 23 61 16 00-0017 | EA | 7.5 Ton Refrigerant Compressor, Reciprocating Open Type | 6,260.95 | 1,228.41 |
| 23 61 16 00-0018 | EA | 10 Ton Refrigerant Compressor, Reciprocating Open Type | 8,401.16 | 1,382.02 |
| 23 61 16 00-0019 | EA | 12.5 Ton Refrigerant Compressor, Reciprocating Open Type | 11,141.01 | 1,497.09 |
| 23 61 16 00-0020 | EA | 15 Ton Refrigerant Compressor, Reciprocating Open Type | 13,881.20 | 1,612.36 |
| 23 61 16 00-0021 | EA | 20 Ton Refrigerant Compressor, Reciprocating Open Type | 16,657.44 | 1,934.83 |
| 23 61 16 00-0022 | EA | 25 Ton Refrigerant Compressor, Reciprocating Open Type | 20,075.03 | 2,079.57 |
| 23 61 16 00-0023 | EA | 30 Ton Refrigerant Compressor, Reciprocating Open Type | 23,356.72 | 2,198.68 |
| 23 61 16 00-0024 | EA | 50 Ton Refrigerant Compressor, Reciprocating Open Type | 30,656.11 | 2,480.58 |
| 23 61 16 00-0025 | EA | 60 Ton Refrigerant Compressor, Reciprocating Open Type | 36,197.74 | 2,545.64 |
| 23 61 16 00-0026 | EA | 70 Ton Refrigerant Compressor, Reciprocating Open Type | 45,367.60 | 2,610.58 |
| 23 61 16 00-0027 | EA | 75 Ton Refrigerant Compressor, Reciprocating Open Type | 47,658.08 | 2,643.17 |
| 23 61 16 00-0028 | EA | 80 Ton Refrigerant Compressor, Reciprocating Open Type | 49,852.31 | 2,675.64 |
| 23 61 16 00-0029 | EA | 90 Ton Refrigerant Compressor, Reciprocating Open Type | 53,958.92 | 2,740.60 |
| 23 61 16 00-0030 | EA | 100 Ton Refrigerant Compressor, Reciprocating Open Type | 57,686.28 | 2,805.75 |
| 23 61 16 00-0031 | EA | 110 Ton Refrigerant Compressor, Reciprocating Open Type | 61,812.48 | 3,239.88 |
| 23 61 16 00-0032 | EA | 120 Ton Refrigerant Compressor, Reciprocating Open Type | 64,785.28 | 3,312.38 |
| 23 61 16 00-0033 | EA | 130 Ton Refrigerant Compressor, Reciprocating Open Type | 67,334.06 | 3,354.55 |
| 23 61 16 00-0034 | EA | 140 Ton Refrigerant Compressor, Reciprocating Open Type | 69,594.31 | 3,458.33 |
| 23 61 16 00-0035 | EA | 150 Ton Refrigerant Compressor, Reciprocating Open Type | 71,427.76 | 3,530.84 |
| 23 61 16 00-0036 | EA | 175 Ton Refrigerant Compressor, Reciprocating Open Type | 73,296.76 | 3,627.60 |
| 23 61 16 00-0037 | EA | 185 Ton Refrigerant Compressor, Reciprocating Open Type | 75,078.06 | 3,666.60 |
| 23 61 16 00-0038 | EA | 200 Ton Refrigerant Compressor, Reciprocating Open Type | 76,893.12 | 3,727.28 |
| 23 61 16 00-0039 | EA | 225 Ton Refrigerant Compressor, Reciprocating Open Type | 79,008.16 | 3,978.65 |
| 23 61 16 00-0040 | EA | 250 Ton Refrigerant Compressor, Reciprocating Open Type | 81,063.29 | 4,193.13 |

#### 23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16)*

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

#### 23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons *(23 61 16 00-0041)*

| | | | | |
|---|---|---|---|---|
| 23 61 16 00-0043 | EA | 1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 1,089.29 | 111.01 |
| 23 61 16 00-0044 | EA | 1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 1,126.20 | 111.01 |
| 23 61 16 00-0045 | EA | 1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 1,218.62 | 138.72 |
| 23 61 16 00-0046 | EA | 3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 1,255.51 | 138.72 |
| 23 61 16 00-0047 | EA | 1 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 1,273.96 | 138.72 |
| 23 61 16 00-0048 | EA | 1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 1,314.58 | 144.33 |
| 23 61 16 00-0049 | EA | 1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 1,355.18 | 144.33 |
| 23 61 16 00-0050 | EA | 1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 1,454.87 | 155.42 |
| 23 61 16 00-0051 | EA | 2 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 1,550.91 | 166.53 |
| 23 61 16 00-0052 | EA | 2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 1,683.81 | 177.63 |
| 23 61 16 00-0053 | EA | 3 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 1,757.63 | 177.63 |
| 23 61 16 00-0054 | EA | 3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 1,890.52 | 188.73 |
| 23 61 16 00-0055 | EA | 4 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 2,244.89 | 199.83 |
| 23 61 16 00-0056 | EA | 4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 2,458.94 | 205.34 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 61 16 00-0057** | | **Reciprocating Hermetic Type Refrigerant Compressors** *(23 61 16 00-0041)* | | |
| 23 61 16 00-0058 | EA | 5 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 3,092.95 | 552.81 |
| 23 61 16 00-0059 | EA | 10 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 5,886.63 | 691.01 |
| 23 61 16 00-0060 | EA | 15 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 9,830.86 | 841.25 |
| 23 61 16 00-0061 | EA | 20 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 12,523.32 | 967.41 |
| 23 61 16 00-0062 | EA | 25 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 13,830.77 | 1,074.91 |
| 23 61 16 00-0063 | EA | 30 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 15,334.21 | 1,209.27 |
| 23 61 16 00-0064 | EA | 35 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 19,834.27 | 1,382.02 |
| 23 61 16 00-0065 | EA | 40 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 25,511.35 | 1,382.02 |
| 23 61 16 00-0066 | EA | 50 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 31,509.28 | 1,612.36 |
| 23 61 16 00-0067 | EA | 60 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 35,474.15 | 1,727.53 |
| 23 61 16 00-0068 | EA | 70 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 37,481.42 | 1,810.43 |
| 23 61 16 00-0069 | EA | 75 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 38,531.94 | 1,899.86 |
| 23 61 16 00-0070 | EA | 80 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 39,626.10 | 1,907.23 |
| 23 61 16 00-0071 | EA | 90 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 41,624.59 | 1,996.98 |
| 23 61 16 00-0072 | EA | 100 Ton Refrigerant Compressor, Reciprocating Hermetic Type | 43,643.19 | 2,079.57 |
| **23 61 19** | | **Scroll Refrigerant Compressors** *(23 61)* | | |
| 23 61 19 00-0001 | | Scroll Refrigerant Compressors *(23 61 19)* | | |
| 23 61 19 00-0002 | EA | Up To 3 Ton Scroll Refrigerant Compressor | 1,455.10 | 177.42 |
| 23 61 19 00-0003 | EA | 3.5 Ton Scroll Refrigerant Compressor | 1,525.55 | 188.84 |
| 23 61 19 00-0004 | EA | 4 Ton Scroll Refrigerant Compressor | 1,562.58 | 199.73 |
| 23 61 19 00-0005 | EA | 4.5 Ton Scroll Refrigerant Compressor | 1,593.05 | 205.44 |
| 23 61 19 00-0006 | EA | 5 Ton Scroll Refrigerant Compressor | 1,973.40 | 259.38 |
| 23 61 19 00-0007 | EA | 7.5 Ton Scroll Refrigerant Compressor | 3,763.03 | 389.08 |
| 23 61 19 00-0008 | EA | 8.75 Ton Scroll Refrigerant Compressor | 4,305.08 | 453.93 |
| 23 61 19 00-0009 | EA | 10 Ton Scroll Refrigerant Compressor | 4,822.84 | 518.78 |
| 23 61 19 00-0010 | EA | 12 Ton Scroll Refrigerant Compressor | 5,828.86 | 622.53 |
| 23 61 19 00-0011 | EA | 13.5 Ton Scroll Refrigerant Compressor | 6,874.49 | 700.34 |
| 23 61 19 00-0012 | EA | 15 Ton Scroll Refrigerant Compressor | 8,065.45 | 778.17 |
| 23 61 19 00-0013 | EA | 20 Ton Scroll Refrigerant Compressor | 11,369.93 | 1,037.55 |
| 23 61 19 00-0014 | EA | 25 Ton Scroll Refrigerant Compressor | 12,811.77 | 1,296.94 |
| 23 61 19 00-0015 | EA | 30 Ton Scroll Refrigerant Compressor | 13,689.84 | 1,556.33 |
| **23 61 23** | | **Rotary-Screw Refrigerant Compressors** *(23 61)* | | |
| 23 61 23 00-0001 | | Rotary Screw Type Refrigerant Compressors *(23 61 23)* | | |
| 23 61 23 00-0002 | EA | 75 Ton Refrigerant Compressor, Rotary Screw Type | 45,022.58 | 2,643.17 |
| 23 61 23 00-0003 | EA | 80 Ton Refrigerant Compressor, Rotary Screw Type | 46,395.17 | 2,675.64 |
| 23 61 23 00-0004 | EA | 90 Ton Refrigerant Compressor, Rotary Screw Type | 49,371.09 | 2,740.60 |
| 23 61 23 00-0005 | EA | 100 Ton Refrigerant Compressor, Rotary Screw Type | 52,315.75 | 2,805.75 |
| 23 61 23 00-0006 | EA | 110 Ton Refrigerant Compressor, Rotary Screw Type | 56,542.56 | 3,239.88 |
| 23 61 23 00-0007 | EA | 120 Ton Refrigerant Compressor, Rotary Screw Type | 59,997.06 | 3,312.38 |
| 23 61 23 00-0008 | EA | 130 Ton Refrigerant Compressor, Rotary Screw Type | 63,375.48 | 3,354.55 |
| 23 61 23 00-0009 | EA | 140 Ton Refrigerant Compressor, Rotary Screw Type | 66,874.77 | 3,458.33 |
| 23 61 23 00-0010 | EA | 150 Ton Refrigerant Compressor, Rotary Screw Type | 70,332.39 | 3,530.84 |
| 23 61 23 00-0011 | EA | 170 Ton Refrigerant Compressor, Rotary Screw Type | 75,194.46 | 3,627.60 |
| 23 61 23 00-0012 | EA | 185 Ton Refrigerant Compressor, Rotary Screw Type | 78,598.17 | 3,666.60 |
| 23 61 23 00-0013 | EA | 200 Ton Refrigerant Compressor, Rotary Screw Type | 80,183.64 | 3,727.28 |
| 23 61 23 00-0014 | EA | 215 Ton Refrigerant Compressor, Rotary Screw Type | 90,005.03 | 3,978.65 |
| 23 61 23 00-0015 | EA | 225 Ton Refrigerant Compressor, Rotary Screw Type | 99,691.40 | 4,193.13 |
| **23 62** | | **Packaged Compressor and Condenser Units** *(23 60)* | | |
| **23 62 13** | | **Packaged Air-Cooled Refrigerant Compressor and Condenser Units** *(23 62)* | | |
| 23 62 13 00-0001 | | Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)*<br>Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring. | | |
| 23 62 13 00-0002 | EA | 1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 7,302.96 | 958.70 |
| 23 62 13 00-0003 | EA | 5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 16,236.97 | 1,027.18 |
| 23 62 13 00-0004 | EA | 10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 28,540.12 | 1,095.65 |
| 23 62 13 00-0005 | EA | 15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 33,813.12 | 1,164.14 |
| 23 62 13 00-0006 | EA | 20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 40,119.96 | 1,232.61 |
| 23 62 13 00-0007 | EA | 25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 44,462.86 | 1,369.57 |
| 23 62 13 00-0008 | EA | 30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 45,807.98 | 1,575.01 |
| 23 62 13 00-0009 | EA | 40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 49,360.95 | 1,855.13 |
| 23 62 13 00-0010 | EA | 50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 52,669.73 | 2,009.73 |
| 23 62 13 00-0011 | EA | 60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 60,364.84 | 2,164.32 |
| 23 62 13 00-0012 | EA | 75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 68,246.11 | 2,396.21 |
| 23 62 13 00-0013 | EA | 80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 72,135.60 | 2,494.43 |
| 23 62 13 00-0014 | EA | 90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 81,444.14 | 2,650.33 |
| 23 62 13 00-0015 | EA | 100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube | 89,020.23 | 2,806.23 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 62 13 00-0016 | | **Direct-Expansion Liquid Cooler Shell And Tube Type** *(23 62 13)*<br>Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring. | | |
| 23 62 13 00-0017 | EA | 1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 6,969.09 | 958.70 |
| 23 62 13 00-0018 | EA | 5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 14,336.66 | 1,027.18 |
| 23 62 13 00-0019 | EA | 10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 22,392.36 | 1,095.65 |
| 23 62 13 00-0020 | EA | 15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 24,185.42 | 1,164.14 |
| 23 62 13 00-0021 | EA | 20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 25,978.48 | 1,232.61 |
| 23 62 13 00-0022 | EA | 25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 30,793.16 | 1,369.57 |
| 23 62 13 00-0023 | EA | 30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 34,943.74 | 1,575.01 |
| 23 62 13 00-0024 | EA | 40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 44,889.67 | 1,855.13 |
| 23 62 13 00-0025 | EA | 50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 50,345.36 | 2,009.73 |
| 23 62 13 00-0026 | EA | 60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 54,491.82 | 2,164.32 |
| 23 62 13 00-0027 | EA | 75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 62,661.82 | 2,396.21 |
| 23 62 13 00-0028 | EA | 80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 66,374.19 | 2,494.43 |
| 23 62 13 00-0029 | EA | 90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 72,809.24 | 2,650.33 |
| 23 62 13 00-0030 | EA | 100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems | 83,027.65 | 2,806.23 |
| 23 62 13 00-0031 | | **Packaged Chiller With Remote Air-Cooled Condenser** *(23 62 13)*<br>Note: With remote air-cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring. | | |
| 23 62 13 00-0032 | EA | 15 Ton Packaged Chiller With Remote Air-Cooled Condensers | 45,214.31 | 9,013.55 |
| | | *For Gas Fired Engine Driven, Add* | *7,691.51* | |
| 23 62 13 00-0033 | EA | 20 Ton Packaged Chiller With Remote Air-Cooled Condensers | 50,998.51 | 9,500.76 |
| | | *For Gas Fired Engine Driven, Add* | *8,775.31* | |
| 23 62 13 00-0034 | EA | 25 Ton Packaged Chiller With Remote Air-Cooled Condensers | 59,146.81 | 10,338.96 |
| | | *For Gas Fired Engine Driven, Add* | *10,279.29* | |
| 23 62 13 00-0035 | EA | 30 Ton Packaged Chiller With Remote Air-Cooled Condensers | 66,088.24 | 10,985.22 |
| | | *For Gas Fired Engine Driven, Add* | *11,570.69* | |
| 23 62 13 00-0036 | EA | 40 Ton Packaged Chiller With Remote Air-Cooled Condensers | 82,493.80 | 12,121.61 |
| | | *For Gas Fired Engine Driven, Add* | *14,681.43* | |
| 23 62 13 00-0037 | EA | 50 Ton Packaged Chiller With Remote Air-Cooled Condensers | 90,953.19 | 12,554.46 |
| | | *For Gas Fired Engine Driven, Add* | *16,308.40* | |
| 23 62 13 00-0038 | EA | 60 Ton Packaged Chiller With Remote Air-Cooled Condensers | 98,833.11 | 13,520.22 |
| | | *For Gas Fired Engine Driven, Add* | *17,739.60* | |
| 23 62 13 00-0039 | EA | 70 Ton Packaged Chiller With Remote Air-Cooled Condensers | 120,048.16 | 14,466.17 |
| | | *For Gas Fired Engine Driven, Add* | *21,813.69* | |
| 23 62 13 00-0040 | EA | 75 Ton Packaged Chiller With Remote Air-Cooled Condensers | 121,497.27 | 14,770.72 |
| | | *For Gas Fired Engine Driven, Add* | *22,084.94* | |
| 23 62 13 00-0041 | EA | 80 Ton Packaged Chiller With Remote Air-Cooled Condensers | 123,723.54 | 15,412.98 |
| | | *For Gas Fired Engine Driven, Add* | *22,433.92* | |
| 23 62 13 00-0042 | EA | 90 Ton Packaged Chiller With Remote Air-Cooled Condensers | 137,229.60 | 16,113.59 |
| | | *For Gas Fired Engine Driven, Add* | *25,030.09* | |
| 23 62 13 00-0043 | EA | 100 Ton Packaged Chiller With Remote Air-Cooled Condensers | 151,780.10 | 16,880.94 |
| | | *For Gas Fired Engine Driven, Add* | *27,825.15* | |
| 23 62 13 00-0044 | EA | 110 Ton Packaged Chiller With Remote Air-Cooled Condensers | 168,232.31 | 17,724.94 |
| | | *For Gas Fired Engine Driven, Add* | *30,989.05* | |
| 23 62 13 00-0045 | EA | 120 Ton Packaged Chiller With Remote Air-Cooled Condensers | 181,882.47 | 18,657.86 |
| | | *For Gas Fired Engine Driven, Add* | *33,579.22* | |
| 23 62 13 00-0046 | EA | 140 Ton Packaged Chiller With Remote Air-Cooled Condensers | 200,665.22 | 19,694.37 |
| | | *For Gas Fired Engine Driven, Add* | *37,180.36* | |

### 23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

| | | | | |
|---|---|---|---|---|
| 23 62 23 00-0001 | | **Water Cooled Condensing Units** *(23 62 23)*<br>Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring. | | |
| 23 62 23 00-0002 | EA | 5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor | 8,337.34 | 749.55 |
| 23 62 23 00-0003 | EA | 10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor | 12,651.87 | 1,094.66 |
| 23 62 23 00-0004 | EA | 15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor | 14,495.91 | 1,186.34 |
| 23 62 23 00-0005 | EA | 20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor | 17,982.63 | 1,423.61 |
| 23 62 23 00-0006 | EA | 30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor | 19,404.49 | 1,674.90 |
| 23 62 23 00-0007 | EA | 60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor | 41,313.93 | 2,504.91 |
| 23 62 23 00-0008 | EA | 80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor | 51,286.39 | 3,023.21 |
| 23 62 23 00-0009 | EA | 120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor | 71,054.30 | 3,307.85 |

## 23 63 Refrigerant Condensers *(23 60)*

### 23 63 13 Air-Cooled Refrigerant Condensers *(23 63)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 63 13 00-0001** | | **Air-Cooled Condensing Units** *(23 63 13)*<br>Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring. | | |
| 23 63 13 00-0002 | EA | 1.5 Ton, 14 SEER, Air-Cooled Condensing Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 2,506.52 | 382.15 |
| | | *For >10 To 25, Deduct* | *-58.00* | |
| | | *For >25 To 50, Deduct* | *-96.67* | |
| | | *For >50, Deduct* | *-154.66* | |
| | | *For 15 SEER, Add* | *463.99* | |
| | | *For 16 SEER, Add* | *792.65* | |
| | | *For 18 SEER, Add* | *1,662.64* | |
| 23 63 13 00-0003 | EA | 2 Ton, 14 SEER, Air-Cooled Condensing Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 2,693.39 | 424.82 |
| | | *For >10 To 25, Deduct* | *-61.69* | |
| | | *For >25 To 50, Deduct* | *-102.82* | |
| | | *For >50, Deduct* | *-164.52* | |
| | | *For 15 SEER, Add* | *493.56* | |
| | | *For 16 SEER, Add* | *843.16* | |
| | | *For 18 SEER, Add* | *1,768.57* | |
| 23 63 13 00-0004 | EA | 2.5 Ton, 14 SEER, Air-Cooled Condensing Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 2,855.22 | 467.30 |
| | | *For >10 To 25, Deduct* | *-64.64* | |
| | | *For >25 To 50, Deduct* | *-107.73* | |
| | | *For >50, Deduct* | *-172.37* | |
| | | *For 15 SEER, Add* | *517.11* | |
| | | *For 16 SEER, Add* | *883.39* | |
| | | *For 18 SEER, Add* | *1,852.96* | |
| 23 63 13 00-0005 | EA | 3 Ton, 14 SEER, Air-Cooled Condensing Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 3,284.27 | 509.53 |
| | | *For >10 To 25, Deduct* | *-75.60* | |
| | | *For >25 To 50, Deduct* | *-126.00* | |
| | | *For >50, Deduct* | *-201.60* | |
| | | *For 15 SEER, Add* | *604.79* | |
| | | *For 16 SEER, Add* | *1,033.19* | |
| | | *For 18 SEER, Add* | *2,167.17* | |
| 23 63 13 00-0006 | EA | 3.5 Ton, 14 SEER, Air-Cooled Condensing Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 3,475.31 | 552.27 |
| | | *For >10 To 25, Deduct* | *-79.42* | |
| | | *For >25 To 50, Deduct* | *-132.37* | |
| | | *For >50, Deduct* | *-211.79* | |
| | | *For 15 SEER, Add* | *635.36* | |
| | | *For 16 SEER, Add* | *1,085.41* | |
| | | *For 18 SEER, Add* | *2,276.70* | |
| 23 63 13 00-0007 | EA | 4 Ton, 14 SEER, Air-Cooled Condensing Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 3,877.23 | 594.75 |
| | | *For >10 To 25, Deduct* | *-89.57* | |
| | | *For >25 To 50, Deduct* | *-149.28* | |
| | | *For >50, Deduct* | *-238.84* | |
| | | *For 15 SEER, Add* | *716.53* | |
| | | *For 16 SEER, Add* | *1,224.08* | |
| | | *For 18 SEER, Add* | *2,567.57* | |
| 23 63 13 00-0008 | EA | 5 Ton, 14 SEER, Air-Cooled Condensing Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 4,382.40 | 636.91 |
| | | *For >10 To 25, Deduct* | *-102.81* | |
| | | *For >25 To 50, Deduct* | *-171.35* | |
| | | *For >50, Deduct* | *-274.16* | |
| | | *For 15 SEER, Add* | *822.49* | |
| | | *For 16 SEER, Add* | *1,405.08* | |
| | | *For 18 SEER, Add* | *2,947.25* | |
| **23 63 13 00-0009** | | **Air-Cooled Condensing Units** *(23 63 13)*<br>Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring. | | |
| 23 63 13 00-0010 | EA | 6 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 7,112.14 | 749.55 |
| | | *For >10 To 25, Deduct* | *-179.31* | |
| | | *For >25 To 50, Deduct* | *-298.84* | |
| | | *For >50, Deduct* | *-478.15* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *1,060.81* | |
| | | *For Winter Start Control, Add* | *352.60* | |
| 23 63 13 00-0011 | EA | 7.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 8,520.37 | 889.76 |
| | | *For >10 To 25, Deduct* | *-215.17* | |
| | | *For >25 To 50, Deduct* | *-358.61* | |
| | | *For >50, Deduct* | *-573.78* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *910.81* | |
| | | *For Winter Start Control, Add* | *278.26* | |
| 23 63 13 00-0012 | EA | 10 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 11,093.87 | 1,094.66 |
| | | *For >10 To 25, Deduct* | *-283.04* | |
| | | *For >25 To 50, Deduct* | *-471.73* | |
| | | *For >50, Deduct* | *-754.77* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *1,075.23* | |
| | | *For Winter Start Control, Add* | *354.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 63 13 00-0013 | EA | 12.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 13,783.66 | 1,138.89 |
| | | *For >10 To 25, Deduct* | *-361.74* | |
| | | *For >25 To 50, Deduct* | *-602.90* | |
| | | *For >50, Deduct* | *-964.65* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *1,275.46* | |
| | | *For Winter Start Control, Add* | *413.72* | |
| 23 63 13 00-0014 | EA | 15 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 16,478.97 | 1,186.34 |
| | | *For >10 To 25, Deduct* | *-440.44* | |
| | | *For >25 To 50, Deduct* | *-734.07* | |
| | | *For >50, Deduct* | *-1,174.52* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *1,330.26* | |
| | | *For Winter Start Control, Add* | *326.56* | |
| 23 63 13 00-0015 | EA | 20 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 21,266.98 | 1,423.61 |
| | | *For >10 To 25, Deduct* | *-573.30* | |
| | | *For >25 To 50, Deduct* | *-955.50* | |
| | | *For >50, Deduct* | *-1,528.80* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *1,685.85* | |
| | | *For Winter Start Control, Add* | *406.80* | |
| 23 63 13 00-0016 | EA | 25 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 24,220.22 | 1,531.46 |
| | | *For >10 To 25, Deduct* | *-657.06* | |
| | | *For >25 To 50, Deduct* | *-1,095.09* | |
| | | *For >50, Deduct* | *-1,752.15* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *1,784.19* | |
| | | *For Winter Start Control, Add* | *450.85* | |
| 23 63 13 00-0017 | EA | 30 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 27,800.69 | 1,671.66 |
| | | *For >10 To 25, Deduct* | *-758.14* | |
| | | *For >25 To 50, Deduct* | *-1,263.57* | |
| | | *For >50, Deduct* | *-2,021.71* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *1,895.89* | |
| | | *For Winter Start Control, Add* | *505.64* | |
| 23 63 13 00-0018 | EA | 40 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 38,332.53 | 1,992.55 |
| | | *For >10 To 25, Deduct* | *-1,057.79* | |
| | | *For >25 To 50, Deduct* | *-1,762.98* | |
| | | *For >50, Deduct* | *-2,820.77* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *2,531.21* | |
| | | *For Winter Start Control, Add* | *659.89* | |
| 23 63 13 00-0019 | EA | 50 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 46,523.61 | 2,504.91 |
| | | *For >10 To 25, Deduct* | *-1,279.82* | |
| | | *For >25 To 50, Deduct* | *-2,133.03* | |
| | | *For >50, Deduct* | *-3,412.84* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *2,672.19* | |
| | | *For Winter Start Control, Add* | *599.61* | |
| 23 63 13 00-0020 | EA | 60 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 53,654.17 | 2,764.65 |
| | | *For >10 To 25, Deduct* | *-1,485.09* | |
| | | *For >25 To 50, Deduct* | *-2,475.15* | |
| | | *For >50, Deduct* | *-3,960.24* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *3,017.90* | |
| | | *For Winter Start Control, Add* | *662.63* | |
| 23 63 13 00-0021 | EA | 80 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 69,645.95 | 3,023.21 |
| | | *For >10 To 25, Deduct* | *-1,949.51* | |
| | | *For >25 To 50, Deduct* | *-3,249.18* | |
| | | *For >50, Deduct* | *-5,198.69* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *3,764.93* | |
| | | *For Winter Start Control, Add* | *791.15* | |
| 23 63 13 00-0022 | EA | 100 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 96,277.68 | 2,722.07 |
| | | *For >10 To 25, Deduct* | *-2,722.09* | |
| | | *For >25 To 50, Deduct* | *-4,536.82* | |
| | | *For >50, Deduct* | *-7,258.91* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *4,107.42* | |
| | | *For Winter Start Control, Add* | *1,007.81* | |
| 23 63 13 00-0023 | EA | 120 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor | 118,848.75 | 2,814.35 |
| | | *For >10 To 25, Deduct* | *-3,393.59* | |
| | | *For >25 To 50, Deduct* | *-5,655.98* | |
| | | *For >50, Deduct* | *-9,049.57* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *4,825.88* | |

## 23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit *(23 63 13)*

Note: Includes storage and cleaning.

| | | | | |
|---|---|---|---|---|
| 23 63 13 00-0025 | EA | Removal And Reinstallation Of Up To 5 Tons Air-Cooled Condensing Unit | 391.76 | |
| 23 63 13 00-0026 | EA | Removal And Reinstallation Of 7.5 To 15 Tons Air-Cooled Condensing Unit | 1,469.09 | |
| 23 63 13 00-0027 | EA | Removal And Reinstallation Of 20 To 40 Tons Air-Cooled Condensing Unit | 2,265.74 | |

## 23 63 13 00-0028 Variable Refrigerant, Heat Recovery, Combination Air Cooled Condensing Units (Carrier) *(23 63 13)*

Note: Review The Complete Description, Notes And Specifications To Determine The Exact Material And Accessories To Be Ordered. Starters For All Motors Shall Be Provided Integral With Unit. Disconnect Switch Provided By Division 26 Contractor. Excludes piping and power wiring.

| | | | | |
|---|---|---|---|---|
| 23 63 13 00-0029 | EA | 222 MBH Cooling, 243 MBH Heating, Condensing Unit, System (Carrier MMY-AP2166FT9P)<br>Note: System includes: Toshiba-Carrier Heat Recovery, 10 Ton, 208/230-3-60 (Carrier MMY-MAP1206FT9P-UL), Toshiba-Carrier Heat Recovery, 8 Ton, 208/230-3-60 (Carrier MMY-MAP0966FT9P-UL), and T-shaped branching joints (Twin 2 Units) (Carrier RBM-BT14FUL) | 26,983.44 | 1,592.93 |
| 23 63 13 00-0030 | EA | 8 Ton, Variable Refrigerant Flow Heat Recovery Outdoor Unit (Carrier MMY-MAP09666FT9P-UL) | 12,180.07 | 954.91 |
| 23 63 13 00-0031 | EA | 10 Ton, Variable Refrigerant Flow Heat Recovery Outdoor Unit (Carrier MMY-MAP1206FT9P-UL) | 13,778.16 | 1,145.89 |


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| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 63 33** | | **Evaporative Refrigerant Condensers** *(23 63)* | | |
| 23 63 33 00-0001 | | Copper Coil Evaporative Refrigerant Condensers *(23 63 33)*<br>Note: Includes galvanized steel base construction, condenser, fan, motors, standard controls and equipment rigging. Excludes piping and power wiring. | | |
| 23 63 33 00-0002 | EA | 10 Ton Evaporative Refrigerant Condensers | 19,871.74 | 2,539.71 |
| 23 63 33 00-0003 | EA | 15 Ton Evaporative Refrigerant Condensers | 20,715.37 | 2,647.56 |
| 23 63 33 00-0004 | EA | 20 Ton Evaporative Refrigerant Condensers | 21,777.85 | 2,755.40 |
| 23 63 33 00-0005 | EA | 25 Ton Evaporative Refrigerant Condensers | 22,195.12 | 2,841.69 |
| 23 63 33 00-0006 | EA | 30 Ton Evaporative Refrigerant Condensers | 23,358.30 | 2,971.10 |
| 23 63 33 00-0007 | | Evaporative Cooling Module *(23 63 33)*<br>Note: Includes Stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs and equipment rigging. Excludes piping and power wiring. | | |
| 23 63 33 00-0008 | EA | 4,110 Maximum CFM, 1/70 HP, 115 Volt, 1 Phase, Evaporative Cooling Module (Reznor REC-40)<br>Note: Includes stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs. | 5,909.01 | 362.37 |
| 23 63 33 00-0009 | EA | 5,060 Maximum CFM, 1/70 HP, 115 Volt, 1 Phase, Evaporative Cooling Module (Reznor REC-50)<br>Note: Includes stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs. | 6,589.99 | 388.26 |
| 23 63 33 00-0010 | EA | 5,860 Maximum CFM, 1/70 HP, 115 Volt, 1 Phase, Evaporative Cooling Module (Reznor REC-60)<br>Note: Includes stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs. | 7,614.95 | 447.57 |
| 23 63 33 00-0011 | EA | 7,125 Maximum CFM, 1/70 HP, 115 Volt, 1 Phase, Evaporative Cooling Module (Reznor REC-70)<br>Note: Includes stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs. | 9,222.65 | 523.07 |
| 23 63 33 00-0012 | EA | 8,075 Maximum CFM, 1/70 HP, 115 Volt, 1 Phase, Evaporative Cooling Module (Reznor REC-80)<br>Note: Includes stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs. | 10,591.19 | 641.70 |
| 23 63 33 00-0013 | EA | 17,730 Maximum CFM, 1/50 HP, 115 Volt, 1 Phase, Evaporative Cooling Module (Reznor REC-180)<br>Note: Includes stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs. | 14,270.10 | 949.07 |
| **23 64** | | **Packaged Water Chillers** *(23 60)*<br>See CSI section 26 29 23 00-0000 for variable frequency motor controllers. | | |
| **23 64 13** | | **Absorption Water Chillers** *(23 64)* | | |
| **23 64 13 13** | | **Direct-Fired Abosrption Water Chillers** *(23 64 13)* | | |
| 23 64 13 13-0001 | | Packaged, Direct-Fired, Water Cooled Absorption Chillers *(23 64 13 13)* | | |
| 23 64 13 13-0002 | EA | 1,600 Ton Packaged, Direct Fired, Water Cooled Absorption Chiller (Shuangliang DF-1653J)<br>Note: Includes: material, delivery and installation. - 316 SS Refrigerant Drip Plates (vs. spray nozzles in other products) - 316 SS Water Tubes - Tube-in-Shell Intermediate Heat Exchangers vs. Plate Heat Exchangers in all other manufacturers absorption chillers - Crystallization Optimization Curves built into the Control System with Real Time monitoring to virtually eliminate crystallization. - Redundant pump system for solution and refrigerant pumps - Pump Isolation valves for expedient replacement - Zero Tolerance Guaranteed performance if Factory Acceptance Tested (factory test is optional for additional charge) - Shuangliang Eco-Energy guarantees quality within 18-months after leaving factory or within 12-months after the unit is commissioned, whichever comes first. - 5-year consumable parts included - 4-year extended parts and labor warranty included | 1,977,363.70 | 28,034.42 |
| **23 64 13 16** | | **Indirect-Fired Absorption Water Chillers** *(23 64 13)* | | |
| 23 64 13 16-0001 | | Packaged, Steam Driven, Water Cooled Absorption Chillers *(23 64 13 16)*<br>Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring. | | |
| 23 64 13 16-0002 | EA | 50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 209,011.22 | 12,297.29 |
| | | *For Two Stage Unit, Add* | *136,470.03* | |
| 23 64 13 16-0003 | EA | 100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 263,833.83 | 14,172.87 |
| | | *For Two Stage Unit, Add* | *173,345.39* | |
| 23 64 13 16-0004 | EA | 150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 334,235.87 | 15,235.82 |
| | | *For Two Stage Unit, Add* | *221,776.45* | |
| 23 64 13 16-0005 | EA | 200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 371,197.14 | 16,298.79 |
| | | *For Two Stage Unit, Add* | *246,798.97* | |
| 23 64 13 16-0006 | EA | 250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 414,408.88 | 16,771.22 |
| | | *For Two Stage Unit, Add* | *276,669.24* | |
| 23 64 13 16-0007 | EA | 300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 466,681.81 | 17,361.75 |
| | | *For Two Stage Unit, Add* | *312,787.86* | |
| 23 64 13 16-0008 | EA | 350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 500,375.86 | 17,952.30 |
| | | *For Two Stage Unit, Add* | *335,901.27* | |
| 23 64 13 16-0009 | EA | 400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 595,159.84 | 18,897.14 |
| | | *For Two Stage Unit, Add* | *401,494.17* | |
| 23 64 13 16-0010 | EA | 500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 666,011.60 | 19,487.69 |
| | | *For Two Stage Unit, Add* | *450,617.97* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 64 13 16-0011 | EA | 650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 806,534.06 | 20,078.22 |
| | | *For Two Stage Unit, Add* | *548,511.26* | |
| 23 64 13 16-0012 | EA | 750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 874,394.59 | 21,495.50 |
| | | *For Two Stage Unit, Add* | *594,879.81* | |
| 23 64 13 16-0013 | EA | 850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 937,374.24 | 22,794.68 |
| | | *For Two Stage Unit, Add* | *637,926.22* | |
| 23 64 13 16-0014 | EA | 950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 1,005,721.95 | 24,455.56 |
| | | *For Two Stage Unit, Add* | *684,440.92* | |
| 23 64 13 16-0015 | EA | 1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 1,151,020.30 | 25,052.03 |
| | | *For Two Stage Unit, Add* | *785,624.86* | |
| 23 64 13 16-0016 | EA | 1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 1,260,592.47 | 26,483.58 |
| | | *For Two Stage Unit, Add* | *861,227.87* | |
| 23 64 13 16-0017 | EA | 1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 1,471,990.49 | 27,676.53 |
| | | *For Two Stage Unit, Add* | *1,008,252.11* | |
| 23 64 13 16-0018 | EA | 1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller | 1,720,294.83 | 28,511.61 |
| | | *For Two Stage Unit, Add* | *1,181,397.11* | |

## 23 64 16 Centrifugal Water Chillers *(23 64)*

### 23 64 16 13 Air-Cooled Centrifugal Water Chillers *(23 64 16)*

#### 23 64 16 13-0001 Magnetic Bearing, Air-Cooled Centrifugal Chillers *(23 64 16 13)*

Note: SMARDT air-cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.

| | | | | |
|---|---|---|---|---|
| 23 64 16 13-0002 | EA | 85 Ton, Single Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller | 246,186.97 | 6,533.96 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *6,849.00* | |
| 23 64 16 13-0003 | EA | 175 Ton, Two Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller | 349,455.11 | 8,774.78 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *13,698.00* | |
| 23 64 16 13-0004 | EA | 240 Ton, Three Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller | 437,064.92 | 9,280.03 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *20,547.00* | |

### 23 64 16 16 Water-Cooled Centrifugal Water Chillers *(23 64 16)*

#### 23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

| | | | | |
|---|---|---|---|---|
| 23 64 16 16-0002 | EA | 180 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 159,152.61 | 6,738.61 |
| | | *For 208/230 Voltage Motor Rating, Add* | *5,933.12* | |
| 23 64 16 16-0003 | EA | 200 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 173,970.59 | 6,909.27 |
| | | *For 208/230 Voltage Motor Rating, Add* | *6,514.74* | |
| 23 64 16 16-0004 | EA | 225 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 191,879.43 | 7,084.89 |
| | | *For 208/230 Voltage Motor Rating, Add* | *7,219.95* | |
| 23 64 16 16-0005 | EA | 250 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 209,359.77 | 7,368.94 |
| | | *For 208/230 Voltage Motor Rating, Add* | *7,900.91* | |
| 23 64 16 16-0006 | EA | 275 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 226,446.14 | 7,785.03 |
| | | *For 208/230 Voltage Motor Rating, Add* | *8,557.63* | |
| 23 64 16 16-0007 | EA | 300 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 242,907.98 | 8,189.79 |
| | | *For 208/230 Voltage Motor Rating, Add* | *9,190.10* | |
| 23 64 16 16-0008 | EA | 325 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 258,833.14 | 8,638.83 |
| | | *For 208/230 Voltage Motor Rating, Add* | *9,798.25* | |
| 23 64 16 16-0009 | EA | 350 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 274,116.98 | 9,064.84 |
| | | *For 208/230 Voltage Motor Rating, Add* | *10,382.23* | |
| 23 64 16 16-0010 | EA | 375 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 288,732.59 | 9,453.30 |
| | | *For 208/230 Voltage Motor Rating, Add* | *10,941.90* | |
| 23 64 16 16-0011 | EA | 400 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 302,610.74 | 9,760.02 |
| | | *For 208/230 Voltage Motor Rating, Add* | *11,477.31* | |
| 23 64 16 16-0012 | EA | 425 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 316,166.63 | 10,243.55 |
| | | *For 208/230 Voltage Motor Rating, Add* | *11,988.48* | |
| 23 64 16 16-0013 | EA | 450 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 328,974.66 | 10,638.74 |
| | | *For 208/230 Voltage Motor Rating, Add* | *12,475.41* | |
| 23 64 16 16-0014 | EA | 475 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 341,168.25 | 11,028.84 |
| | | *For 208/230 Voltage Motor Rating, Add* | *12,938.09* | |
| 23 64 16 16-0015 | EA | 500 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 352,614.46 | 11,330.97 |
| | | *For 208/230 Voltage Motor Rating, Add* | *13,376.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 64 16 16-0016 | EA | 550 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 373,361.33 | 11,732.77 |
| | | *For 208/230 Voltage Motor Rating, Add* | *14,180.58* | |
| 23 64 16 16-0017 | EA | 600 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 391,447.89 | 11,987.88 |
| | | *For 208/230 Voltage Motor Rating, Add* | *14,887.65* | |
| 23 64 16 16-0018 | EA | 650 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 407,650.23 | 12,580.43 |
| | | *For 208/230 Voltage Motor Rating, Add* | *15,497.67* | |
| 23 64 16 16-0019 | EA | 700 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 421,442.27 | 13,181.94 |
| | | *For 208/230 Voltage Motor Rating, Add* | *16,010.71* | |
| 23 64 16 16-0020 | EA | 750 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 432,910.32 | 13,843.69 |
| | | *For 208/230 Voltage Motor Rating, Add* | *16,426.90* | |
| 23 64 16 16-0021 | EA | 800 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 459,826.88 | 14,511.60 |
| | | *For 208/230 Voltage Motor Rating, Add* | *17,460.65* | |
| 23 64 16 16-0022 | EA | 850 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 486,553.34 | 15,177.37 |
| | | *For 208/230 Voltage Motor Rating, Add* | *18,486.94* | |
| 23 64 16 16-0023 | EA | 900 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 513,192.54 | 15,907.03 |
| | | *For 208/230 Voltage Motor Rating, Add* | *19,505.62* | |
| 23 64 16 16-0024 | EA | 950 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 539,758.24 | 16,710.39 |
| | | *For 208/230 Voltage Motor Rating, Add* | *20,516.63* | |
| 23 64 16 16-0025 | EA | 1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 566,099.70 | 17,682.21 |
| | | *For 208/230 Voltage Motor Rating, Add* | *21,519.96* | |
| 23 64 16 16-0026 | EA | 1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 614,228.54 | 20,402.61 |
| | | *For 208/230 Voltage Motor Rating, Add* | *23,272.19* | |
| 23 64 16 16-0027 | EA | 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 660,555.12 | 23,130.78 |
| | | *For 208/230 Voltage Motor Rating, Add* | *24,951.82* | |
| 23 64 16 16-0028 | EA | 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 704,239.58 | 25,340.73 |
| | | *For 208/230 Voltage Motor Rating, Add* | *26,558.72* | |
| 23 64 16 16-0029 | EA | 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 744,755.76 | 26,701.41 |
| | | *For 208/230 Voltage Motor Rating, Add* | *28,092.87* | |
| 23 64 16 16-0030 | EA | 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 783,377.71 | 28,017.59 |
| | | *For 208/230 Voltage Motor Rating, Add* | *29,554.08* | |
| 23 64 16 16-0031 | EA | 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 819,397.93 | 28,829.76 |
| | | *For 208/230 Voltage Motor Rating, Add* | *30,943.26* | |
| 23 64 16 16-0032 | EA | 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 855,500.24 | 30,841.08 |
| | | *For 208/230 Voltage Motor Rating, Add* | *32,259.50* | |
| 23 64 16 16-0033 | EA | 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 888,978.48 | 32,345.52 |
| | | *For 208/230 Voltage Motor Rating, Add* | *33,502.99* | |
| 23 64 16 16-0034 | EA | 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 921,349.37 | 34,297.43 |
| | | *For 208/230 Voltage Motor Rating, Add* | *34,673.75* | |
| 23 64 16 16-0035 | EA | 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 950,750.09 | 35,522.35 |
| | | *For 208/230 Voltage Motor Rating, Add* | *35,771.91* | |
| 23 64 16 16-0036 | EA | 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 1,012,460.99 | 37,533.07 |
| | | *For 208/230 Voltage Motor Rating, Add* | *38,199.29* | |
| 23 64 16 16-0037 | EA | 2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller<br>Note: Includes integral heat exchanger, controls, and 440/460 V motor. | 1,067,536.19 | 39,785.01 |
| | | *For 208/230 Voltage Motor Rating, Add* | *40,172.39* | |

### 23 64 16 16-0038 Magnetic Bearing, Water Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: SMARDT water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.

| | | | | |
|---|---|---|---|---|
| 23 64 16 16-0039 | EA | 60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller | 154,981.00 | 5,669.15 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *6,849.00* | |
| | | *For Marine Water Box Connections, Add* | *4,451.16* | |
| 23 64 16 16-0040 | EA | 130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller | 195,162.56 | 6,589.20 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *6,849.00* | |
| | | *For Marine Water Box Connections, Add* | *4,451.16* | |
| 23 64 16 16-0041 | EA | 125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller | 244,471.28 | 6,738.61 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *13,698.00* | |
| | | *For Marine Water Box Connections, Add* | *4,451.16* | |
| 23 64 16 16-0042 | EA | 240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller | 318,406.91 | 7,785.03 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *13,698.00* | |
| | | *For Marine Water Box Connections, Add* | *4,451.16* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 64 16 16-0043 | EA | 210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller | 320,882.16 | 7,368.94 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *20,547.00* | |
| | | *For Marine Water Box Connections, Add* | *4,451.16* | |
| 23 64 16 16-0044 | EA | 355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller | 481,455.60 | 9,760.02 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *20,547.00* | |
| | | *For Marine Water Box Connections, Add* | *4,451.16* | |
| 23 64 16 16-0045 | EA | 299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller | 426,533.08 | 9,064.84 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *25,113.00* | |
| | | *For Marine Water Box Connections, Add* | *6,199.83* | |
| 23 64 16 16-0046 | EA | 540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller | 592,672.09 | 11,732.77 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *25,113.00* | |
| | | *For Marine Water Box Connections, Add* | *6,199.83* | |
| 23 64 16 16-0047 | EA | 425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller | 530,912.63 | 10,243.55 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *29,679.00* | |
| | | *For Marine Water Box Connections, Add* | *6,199.83* | |
| 23 64 16 16-0048 | EA | 650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller | 710,624.19 | 12,580.43 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *29,679.00* | |
| | | *For Marine Water Box Connections, Add* | *6,199.83* | |
| 23 64 16 16-0049 | EA | 510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller | 632,200.60 | 11,330.97 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *34,245.00* | |
| | | *For Marine Water Box Connections, Add* | *6,517.77* | |
| 23 64 16 16-0050 | EA | 800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller | 814,552.77 | 14,511.60 |
| | | *For 5 Year Parts Only Compressor Warranty, Add* | *34,245.00* | |
| | | *For Marine Water Box Connections, Add* | *6,517.77* | |

### 23 64 16 16-0051 Multistack Flooded Water Cooled Chiller *(23 64 16 16)*

Note: Includes dual compresors, heat exchanger, monitor, 460 Volt motor, controls, start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, and start-up costs and equipment rigging. Excludes piping and power wiring.

| | | | | |
|---|---|---|---|---|
| 23 64 16 16-0052 | EA | 160 Ton, Multistack Flooded Water Cooled Chiller (Multistack MS0162)<br>Note: Compressor: Oil-free Centrifugal Compressors featuring: Integrated Refrigerant Cooled Variable Speed Drive w/Soft Start, Micro Processor Controlled Magnetic Bearing System, Direct Drive Rotating Assembly, Environmentally friendly R-134A Refrigerant. Electrical: 460 volt 3 phase Power Input, Chillers listed with ETL per UL 1995, High Voltage Electrical Enclosures carry NEMA 1 Rating, Single Point of Connection for High Voltage Electrical Connection, Each Compressor contains its own: High Voltage Breaker, Line Reactor, Line Reactor Cooling Fan, Compressor Hub. Heat Exchangers: ASME Certified Horizontal Shell & Tube Heat Exchangers designed to optimize water side turn down in the Variable Primary Flow, Evaporator & Condenser Heat Exchangers rated at 150 PSI (water side),Evaporator & Condenser Heat Exchangers rated to 200 PSI (refrigerant side), Water Side Connections feature Groove Type Mechanical Connections, ¾" diameter, enhanced & riffled copper tubes with standard tube sheets, Tube sheets are supported & baffled to prevent tube damage, Evaporator insulated with ¾" Closed Cell Foam Insulation, Epoxy coated head and tube sheet on condenser standard. Epoxy coated head on evaporator standard, Factory installed chilled water and condenser Thermal Dispersion Flow Switches. Refrigerant Components, Electronic Expansion Valve(s) controlled by dedicated outputs via the FlexSys Control System, Condenser mounted Refrigerant Level Sensor with digital display, Built in sight glass on evaporator and condenser shells to confirm refrigerant charge, Load Balance Valves on all compressors to optimize compressor staging, unloading, and operating range of each compressor. Refrigerant side economizer for improved energy efficiency and an increase in chiller capacity, Each compressor equipped with swing check to prevent anti-rotation, Each compressor can be isolated thru service valves for service while other compressors run, Refrigerant service valves standard, which allow for refrigerant charge to be isolated in one shell while the other is serviced. Large, 3/8" port charging/recovery ports standard. MagLev Control System: Touch screen featuring a resolution of 1024 x 768. Touch Screen can be disconnected & chiller will still operate as processor is completely separate from touch screen, Real Time, Intel equipped CPU Control System featuring dual hard drives for maximum reliability. Features MagLev proprietary logic for maximizing chiller efficiency & reliability, Windows Standard Embedded OS, Compressors controlled thru Multistack's proprietary natural progression control algorithms that define the proper operating range for the compressors to run in for maximum reliability while optimizing energy efficiency. Other Services & Special Features: BACNET IP with Web Control Operability, 2-pass Evaporator and 2-pass Condenser, SCCR Rating: 65kA, Freight Included, Factory Start-Up Included (Monday – Friday, Business Hours), (1) One Year Chiller Parts, Labor, & Refrigerant Warranty, (5) Year Compressor Parts Only Warranty | 263,787.01 | 6,909.27 |

## 23 64 23 Scroll Water Chillers *(23 64)*

### 23 64 23 13 Air-Cooled Scroll Water Chillers *(23 64 23)*

### 23 64 23 13-0001 Packaged Air-Cooled Scroll Water Chillers *(23 64 23 13)*

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, isolation valves, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, freeze protection thermostat, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 64 23 13-0002 | EA | 10 Ton Packaged Air-Cooled Scroll Water Chiller | 30,282.54 | 1,710.07 |
| 23 64 23 13-0003 | EA | 15 Ton Packaged Air-Cooled Scroll Water Chiller | 44,475.60 | 1,731.99 |
| 23 64 23 13-0004 | EA | 18 Ton Packaged Air-Cooled Scroll Water Chiller | 48,546.05 | 1,852.57 |
| 23 64 23 13-0005 | EA | 22 Ton Packaged Air-Cooled Scroll Water Chiller | 53,419.70 | 1,984.12 |
| 23 64 23 13-0006 | EA | 25 Ton Packaged Air-Cooled Scroll Water Chiller | 54,271.68 | 2,115.66 |
| 23 64 23 13-0007 | EA | 30 Ton Packaged Air-Cooled Scroll Water Chiller | 57,258.09 | 2,269.13 |
| 23 64 23 13-0008 | EA | 40 Ton Packaged Air-Cooled Scroll Water Chiller | 65,498.39 | 2,455.48 |
| 23 64 23 13-0009 | EA | 45 Ton Packaged Air-Cooled Scroll Water Chiller | 70,338.06 | 2,663.76 |
| 23 64 23 13-0010 | EA | 50 Ton Packaged Air-Cooled Scroll Water Chiller | 74,288.27 | 2,740.50 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 64 23 13-0011 | EA | 55 Ton Packaged Air-Cooled Scroll Water Chiller | 77,590.17 | 2,861.08 |
| 23 64 23 13-0012 | EA | 60 Ton Packaged Air-Cooled Scroll Water Chiller | 80,195.69 | 2,959.74 |
| 23 64 23 13-0013 | EA | 70 Ton Packaged Air-Cooled Scroll Water Chiller | 92,538.24 | 3,332.44 |
| 23 64 23 13-0014 | EA | 80 Ton Packaged Air-Cooled Scroll Water Chiller | 99,595.02 | 3,650.34 |
| 23 64 23 13-0015 | EA | 90 Ton Packaged Air-Cooled Scroll Water Chiller | 101,422.21 | 3,661.30 |
| 23 64 23 13-0016 | EA | 100 Ton Packaged Air-Cooled Scroll Water Chiller | 107,354.24 | 3,672.27 |
| 23 64 23 13-0017 | EA | 110 Ton Packaged Air-Cooled Scroll Water Chiller | 113,130.72 | 3,683.23 |
| 23 64 23 13-0018 | EA | 120 Ton Packaged Air-Cooled Scroll Water Chiller | 118,979.05 | 3,694.19 |
| 23 64 23 13-0019 | EA | 130 Ton Packaged Air-Cooled Scroll Water Chiller | 125,126.44 | 3,705.15 |

## 23 64 23 16 Water-Cooled Scroll Water Chillers *(23 64 23)*

### 23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers *(23 64 23 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

| | | | | |
|---|---|---|---|---|
| 23 64 23 16-0002 | EA | 20 Ton Packaged Water Cooled Scroll Water Chiller | 37,445.04 | 2,175.95 |
| 23 64 23 16-0003 | EA | 25 Ton Packaged Water Cooled Scroll Water Chiller | 43,122.01 | 2,241.68 |
| 23 64 23 16-0004 | EA | 30 Ton Packaged Water Cooled Scroll Water Chiller | 47,842.34 | 2,460.90 |
| 23 64 23 16-0005 | EA | 40 Ton Packaged Water Cooled Scroll Water Chiller | 58,828.23 | 3,138.62 |
| 23 64 23 16-0006 | EA | 50 Ton Packaged Water Cooled Scroll Water Chiller | 65,083.40 | 3,439.60 |
| 23 64 23 16-0007 | EA | 60 Ton Packaged Water Cooled Scroll Water Chiller | 68,365.90 | 3,800.33 |

## 23 64 26 Rotary-Screw Water Chillers *(23 64)*

## 23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

### 23 64 26 13-0001 Packaged Air-Cooled Rotary-Screw Water Chillers *(23 64 26 13)*

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 64 26 13-0002 | EA | 70 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 107,028.53 | 4,198.44 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-1,511.05* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *4,029.45* | |
| 23 64 26 13-0003 | EA | 80 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 115,024.80 | 4,560.19 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-1,622.93* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *4,327.82* | |
| 23 64 26 13-0004 | EA | 90 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 120,999.32 | 4,757.50 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-1,707.95* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *4,554.52* | |
| 23 64 26 13-0005 | EA | 100 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 125,457.43 | 5,119.24 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-1,766.76* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *4,711.36* | |
| 23 64 26 13-0006 | EA | 110 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 134,653.09 | 5,371.38 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-1,899.10* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *5,064.28* | |
| 23 64 26 13-0007 | EA | 120 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 143,109.00 | 5,481.00 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-2,023.31* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *5,395.50* | |
| 23 64 26 13-0008 | EA | 130 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 151,076.22 | 5,667.34 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-2,138.71* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *5,703.23* | |
| 23 64 26 13-0009 | EA | 140 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 155,911.94 | 5,787.92 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-2,208.45* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *5,889.20* | |
| 23 64 26 13-0010 | EA | 160 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 164,649.26 | 5,908.51 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-2,336.72* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *6,231.24* | |
| 23 64 26 13-0011 | EA | 170 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 171,870.24 | 6,094.86 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-2,440.92* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *6,509.12* | |
| 23 64 26 13-0012 | EA | 180 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 181,244.03 | 6,336.03 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-2,576.10* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *6,869.60* | |
| 23 64 26 13-0013 | EA | 200 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 189,466.03 | 6,467.57 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-2,696.63* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *7,191.03* | |
| 23 64 26 13-0014 | EA | 215 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 203,124.60 | 6,577.19 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-2,898.88* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *7,730.35* | |
| 23 64 26 13-0015 | EA | 225 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 212,201.08 | 6,642.96 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-3,033.71* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *8,089.90* | |
| 23 64 26 13-0016 | EA | 240 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 221,277.55 | 6,697.77 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-3,168.55* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *8,449.46* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 64 26 13-0017 | EA | 260 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 248,441.21 | 6,829.31 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-3,573.04* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *9,528.11* | |
| 23 64 26 13-0018 | EA | 280 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 262,110.75 | 6,960.86 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-3,775.29* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *10,067.44* | |
| 23 64 26 13-0019 | EA | 300 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 280,263.70 | 7,070.48 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-4,044.95* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *10,786.54* | |
| 23 64 26 13-0020 | EA | 325 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 307,405.44 | 7,191.06 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-4,449.45* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *11,865.19* | |
| 23 64 26 13-0021 | EA | 350 Ton Packaged Air-Cooled Rotary-Screw Water Chiller | 335,168.02 | 7,278.76 |
| | | *For Aluminum Fins Instead Of Copper, Deduct* | *-4,863.75* | |
| | | *For 208/230 Voltage Motor Rating, Add* | *12,970.00* | |

### 23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers *(23 64 26 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

| | | | | |
|---|---|---|---|---|
| 23 64 26 16-0002 | EA | 70 Ton Packaged Water Cooled Helical Rotary Water Chiller | 70,664.02 | 5,314.82 |
| 23 64 26 16-0003 | EA | 80 Ton Packaged Water Cooled Helical Rotary Water Chiller | 76,682.78 | 5,521.51 |
| 23 64 26 16-0004 | EA | 90 Ton Packaged Water Cooled Helical Rotary Water Chiller | 81,911.94 | 5,669.15 |
| 23 64 26 16-0005 | EA | 100 Ton Packaged Water Cooled Helical Rotary Water Chiller | 86,468.10 | 5,908.31 |
| 23 64 26 16-0006 | EA | 110 Ton Packaged Water Cooled Helical Rotary Water Chiller | 90,990.50 | 6,070.71 |
| 23 64 26 16-0007 | EA | 125 Ton Packaged Water Cooled Helical Rotary Water Chiller | 96,498.20 | 6,241.14 |
| 23 64 26 16-0008 | EA | 130 Ton Packaged Water Cooled Helical Rotary Water Chiller | 130,153.12 | 6,415.58 |
| 23 64 26 16-0009 | EA | 150 Ton Packaged Water Cooled Helical Rotary Water Chiller | 135,117.13 | 6,589.20 |
| 23 64 26 16-0010 | EA | 175 Ton Packaged Water Cooled Helical Rotary Water Chiller | 138,834.60 | 6,752.31 |
| 23 64 26 16-0011 | EA | 190 Ton Packaged Water Cooled Helical Rotary Water Chiller | 140,246.36 | 7,089.97 |
| 23 64 26 16-0012 | EA | 200 Ton Packaged Water Cooled Helical Rotary Water Chiller | 139,266.84 | 7,431.89 |
| 23 64 26 16-0013 | EA | 210 Ton Packaged Water Cooled Helical Rotary Water Chiller | 147,340.89 | 7,590.99 |
| 23 64 26 16-0014 | EA | 235 Ton Packaged Water Cooled Helical Rotary Water Chiller | 160,116.34 | 7,757.05 |
| 23 64 26 16-0015 | EA | 255 Ton Packaged Water Cooled Helical Rotary Water Chiller | 170,109.32 | 8,112.07 |
| 23 64 26 16-0016 | EA | 275 Ton Packaged Water Cooled Helical Rotary Water Chiller | 179,563.25 | 8,440.42 |
| 23 64 26 16-0017 | EA | 300 Ton Packaged Water Cooled Helical Rotary Water Chiller | 190,566.38 | 8,774.78 |
| 23 64 26 16-0018 | EA | 350 Ton Packaged Water Cooled Helical Rotary Water Chiller | 209,200.07 | 9,552.51 |
| 23 64 26 16-0019 | EA | 400 Ton Packaged Water Cooled Helical Rotary Water Chiller | 224,462.79 | 10,506.81 |
| 23 64 26 16-0020 | EA | 450 Ton Packaged Water Cooled Helical Rotary Water Chiller | 236,371.73 | 11,557.97 |

## 23 65 Cooling Towers *(23 60)*

### 23 65 13 Forced-Draft Cooling Towers *(23 65)*

### 23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13)*

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13 16)*

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers *(23 65 13 16-0001)*

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

| | | | | |
|---|---|---|---|---|
| 23 65 13 16-0003 | EA | 50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 19,827.72 | 1,819.69 |
| | | *For Stainless Steel Cooling Tower, Add* | *10,258.91* | |
| 23 65 13 16-0004 | EA | 75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 27,335.78 | 2,225.28 |
| | | *For Stainless Steel Cooling Tower, Add* | *14,408.58* | |
| 23 65 13 16-0005 | EA | 100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 34,272.14 | 2,795.30 |
| | | *For Stainless Steel Cooling Tower, Add* | *17,866.64* | |
| 23 65 13 16-0006 | EA | 125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 39,527.99 | 3,124.16 |
| | | *For Stainless Steel Cooling Tower, Add* | *20,704.44* | |
| 23 65 13 16-0007 | EA | 150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 45,177.05 | 3,518.80 |
| | | *For Stainless Steel Cooling Tower, Add* | *23,712.40* | |
| 23 65 13 16-0008 | EA | 175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 50,796.79 | 3,946.31 |
| | | *For Stainless Steel Cooling Tower, Add* | *26,676.46* | |
| 23 65 13 16-0009 | EA | 200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 57,009.25 | 4,395.75 |
| | | *For Stainless Steel Cooling Tower, Add* | *29,969.84* | |
| 23 65 13 16-0010 | EA | 225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 62,299.32 | 4,954.82 |
| | | *For Stainless Steel Cooling Tower, Add* | *32,604.55* | |
| 23 65 13 16-0011 | EA | 250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 67,871.18 | 5,502.92 |
| | | *For Stainless Steel Cooling Tower, Add* | *35,414.92* | |
| 23 65 13 16-0012 | EA | 275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 74,312.89 | 6,511.42 |
| | | *For Stainless Steel Cooling Tower, Add* | *38,313.10* | |
| 23 65 13 16-0013 | EA | 300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 80,758.96 | 7,212.99 |
| | | *For Stainless Steel Cooling Tower, Add* | *41,496.71* | |
| 23 65 13 16-0014 | EA | 325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 85,097.93 | 7,673.39 |
| | | *For Stainless Steel Cooling Tower, Add* | *43,692.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 65 13 16-0015 | EA | 350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 90,175.92 | 8,122.84 |
| | | *For Stainless Steel Cooling Tower, Add* | *46,272.12* | |
| 23 65 13 16-0016 | EA | 375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 95,111.42 | 8,517.46 |
| | | *For Stainless Steel Cooling Tower, Add* | *48,851.94* | |
| 23 65 13 16-0017 | EA | 400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 100,767.82 | 8,912.09 |
| | | *For Stainless Steel Cooling Tower, Add* | *51,870.88* | |
| 23 65 13 16-0018 | EA | 425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 106,760.65 | 9,394.42 |
| | | *For Stainless Steel Cooling Tower, Add* | *54,999.60* | |
| 23 65 13 16-0019 | EA | 450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 113,565.87 | 9,876.75 |
| | | *For Stainless Steel Cooling Tower, Add* | *58,622.33* | |
| 23 65 13 16-0020 | EA | 475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 120,180.96 | 10,293.30 |
| | | *For Stainless Steel Cooling Tower, Add* | *62,190.17* | |
| 23 65 13 16-0021 | EA | 500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 126,806.99 | 10,709.86 |
| | | *For Stainless Steel Cooling Tower, Add* | *65,758.01* | |
| 23 65 13 16-0022 | EA | 550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 139,412.32 | 11,159.30 |
| | | *For Stainless Steel Cooling Tower, Add* | *72,893.68* | |
| 23 65 13 16-0023 | EA | 600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 153,115.45 | 11,597.78 |
| | | *For Stainless Steel Cooling Tower, Add* | *80,688.04* | |
| 23 65 13 16-0024 | EA | 650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 158,692.13 | 11,838.94 |
| | | *For Stainless Steel Cooling Tower, Add* | *83,981.43* | |
| 23 65 13 16-0025 | EA | 700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 165,366.58 | 11,992.41 |
| | | *For Stainless Steel Cooling Tower, Add* | *87,933.50* | |
| 23 65 13 16-0026 | EA | 750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 173,101.00 | 12,606.28 |
| | | *For Stainless Steel Cooling Tower, Add* | *91,995.34* | |
| 23 65 13 16-0027 | EA | 800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 182,116.15 | 13,220.15 |
| | | *For Stainless Steel Cooling Tower, Add* | *96,825.65* | |
| 23 65 13 16-0028 | EA | 850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 191,219.02 | 13,888.84 |
| | | *For Stainless Steel Cooling Tower, Add* | *101,655.95* | |
| 23 65 13 16-0029 | EA | 900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 201,785.59 | 14,557.51 |
| | | *For Stainless Steel Cooling Tower, Add* | *107,364.49* | |
| 23 65 13 16-0030 | EA | 950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower | 212,688.62 | 15,324.85 |
| | | *For Stainless Steel Cooling Tower, Add* | *113,182.81* | |
| 23 65 13 16-0031 | EA | 1,000 Ton Centrifugal Type Cooling Tower | 225,044.40 | 16,092.20 |
| | | *For Stainless Steel Cooling Tower, Add* | *119,879.38* | |

## 23 65 14 Induced-Draft Cooling Towers *(23 65)*

### 23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

#### 23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers

*(23 65 14 13)*

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

| | | | | |
|---|---|---|---|---|
| 23 65 14 13-0002 | EA | 10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower | 10,102.53 | 1,227.75 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *1,239.14* | |
| | | *For Stainless Steel Support Structure, Add* | *2,478.28* | |
| 23 65 14 13-0003 | EA | 20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower | 11,985.03 | 1,326.40 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *1,498.49* | |
| | | *For Stainless Steel Support Structure, Add* | *2,996.99* | |
| 23 65 14 13-0004 | EA | 30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower | 14,339.45 | 1,490.83 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *1,815.48* | |
| | | *For Stainless Steel Support Structure, Add* | *3,630.96* | |
| 23 65 14 13-0005 | EA | 40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower | 15,914.45 | 1,644.29 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *2,017.20* | |
| | | *For Stainless Steel Support Structure, Add* | *4,034.40* | |
| 23 65 14 13-0006 | EA | 50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower | 18,867.15 | 1,819.69 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *2,420.64* | |
| | | *For Stainless Steel Support Structure, Add* | *4,841.28* | |
| 23 65 14 13-0007 | EA | 60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower | 21,965.91 | 1,962.19 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *2,854.21* | |
| | | *For Stainless Steel Support Structure, Add* | *5,708.43* | |
| 23 65 14 13-0008 | EA | 75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower | 25,222.52 | 2,225.28 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *3,285.16* | |
| | | *For Stainless Steel Support Structure, Add* | *6,570.31* | |
| 23 65 14 13-0009 | EA | 100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower | 31,390.42 | 2,795.30 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *4,034.40* | |
| | | *For Stainless Steel Support Structure, Add* | *8,068.80* | |
| 23 65 14 13-0010 | EA | 125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower | 34,221.98 | 3,124.16 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *4,380.21* | |
| | | *For Stainless Steel Support Structure, Add* | *8,760.42* | |
| 23 65 14 13-0011 | EA | 150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower | 52,380.72 | 3,518.80 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *7,008.65* | |
| | | *For Stainless Steel Support Structure, Add* | *14,017.30* | |
| 23 65 14 13-0012 | EA | 200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower | 63,371.90 | 4,395.75 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *8,446.86* | |
| | | *For Stainless Steel Support Structure, Add* | *16,893.72* | |
| 23 65 14 13-0013 | EA | 300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower | 81,845.41 | 7,212.99 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *10,537.14* | |
| | | *For Stainless Steel Support Structure, Add* | *21,074.29* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers *(23 65 14 13)*

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

| | | | | |
|---|---|---|---|---|
| 23 65 14 13-0015 | EA | 100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 31,390.42 | 2,795.30 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *4,034.40* | |
| | | *For Stainless Steel Support Structure, Add* | *8,068.80* | |
| 23 65 14 13-0016 | EA | 150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 41,837.92 | 3,518.80 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *5,427.23* | |
| | | *For Stainless Steel Support Structure, Add* | *10,854.46* | |
| 23 65 14 13-0017 | EA | 200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 53,166.96 | 4,395.75 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *6,916.12* | |
| | | *For Stainless Steel Support Structure, Add* | *13,832.24* | |
| 23 65 14 13-0018 | EA | 250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 63,059.17 | 5,502.92 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *8,131.93* | |
| | | *For Stainless Steel Support Structure, Add* | *16,263.86* | |
| 23 65 14 13-0019 | EA | 300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 74,876.60 | 7,212.99 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *9,491.82* | |
| | | *For Stainless Steel Support Structure, Add* | *18,983.65* | |
| 23 65 14 13-0020 | EA | 350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 83,451.92 | 8,122.84 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *10,559.43* | |
| | | *For Stainless Steel Support Structure, Add* | *21,118.86* | |
| 23 65 14 13-0021 | EA | 400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 93,083.25 | 8,912.09 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *11,815.04* | |
| | | *For Stainless Steel Support Structure, Add* | *23,630.07* | |
| 23 65 14 13-0022 | EA | 450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 105,515.37 | 9,876.75 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *13,448.01* | |
| | | *For Stainless Steel Support Structure, Add* | *26,896.01* | |
| 23 65 14 13-0023 | EA | 500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 119,030.93 | 10,709.86 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *15,273.09* | |
| | | *For Stainless Steel Support Structure, Add* | *30,546.19* | |
| 23 65 14 13-0024 | EA | 550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 127,519.53 | 11,290.84 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *16,439.50* | |
| | | *For Stainless Steel Support Structure, Add* | *32,879.00* | |
| 23 65 14 13-0025 | EA | 600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 136,697.90 | 11,597.78 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *17,709.38* | |
| | | *For Stainless Steel Support Structure, Add* | *35,418.76* | |
| 23 65 14 13-0026 | EA | 700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 155,211.96 | 11,992.41 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *20,460.18* | |
| | | *For Stainless Steel Support Structure, Add* | *40,920.36* | |
| 23 65 14 13-0027 | EA | 800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 170,223.35 | 13,220.15 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *22,422.49* | |
| | | *For Stainless Steel Support Structure, Add* | *44,844.98* | |
| 23 65 14 13-0028 | EA | 900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower | 188,063.14 | 14,557.51 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *24,782.76* | |
| | | *For Stainless Steel Support Structure, Add* | *49,565.51* | |

## 23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers *(23 65 14)*

### 23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers *(23 65 14 14)*

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 65 14 14-0002 | EA | 10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 8,316.76 | 1,227.75 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *971.27* | |
| | | *For Stainless Steel Support Structure, Add* | *1,942.55* | |
| 23 65 14 14-0003 | EA | 15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 8,977.87 | 1,249.67 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *1,067.15* | |
| | | *For Stainless Steel Support Structure, Add* | *2,134.30* | |
| 23 65 14 14-0004 | EA | 20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 9,764.65 | 1,359.29 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *1,158.86* | |
| | | *For Stainless Steel Support Structure, Add* | *2,317.72* | |
| 23 65 14 14-0005 | EA | 25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 11,419.57 | 1,425.05 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *1,392.30* | |
| | | *For Stainless Steel Support Structure, Add* | *2,784.59* | |
| 23 65 14 14-0006 | EA | 30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 12,935.52 | 1,490.83 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *1,604.89* | |
| | | *For Stainless Steel Support Structure, Add* | *3,209.78* | |
| 23 65 14 14-0007 | EA | 35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 14,417.83 | 1,567.57 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *1,809.15* | |
| | | *For Stainless Steel Support Structure, Add* | *3,618.30* | |
| 23 65 14 14-0008 | EA | 40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 15,778.02 | 1,644.29 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *1,996.74* | |
| | | *For Stainless Steel Support Structure, Add* | *3,993.47* | |
| 23 65 14 14-0009 | EA | 45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 17,288.12 | 1,731.99 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *2,205.17* | |
| | | *For Stainless Steel Support Structure, Add* | *4,410.33* | |
| 23 65 14 14-0010 | EA | 50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 18,764.57 | 1,819.69 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *2,405.25* | |
| | | *For Stainless Steel Support Structure, Add* | *4,810.51* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 65 14 14-0011 | EA | 60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 21,668.52 | 1,962.19 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *2,809.61* | |
| | | *For Stainless Steel Support Structure, Add* | *5,619.21* | |
| 23 65 14 14-0012 | EA | 70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 24,816.70 | 2,115.66 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *3,247.30* | |
| | | *For Stainless Steel Support Structure, Add* | *6,494.60* | |
| 23 65 14 14-0013 | EA | 75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 26,276.31 | 2,225.28 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *3,443.22* | |
| | | *For Stainless Steel Support Structure, Add* | *6,886.45* | |
| 23 65 14 14-0014 | EA | 80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 27,867.47 | 2,411.64 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *3,639.15* | |
| | | *For Stainless Steel Support Structure, Add* | *7,278.29* | |
| 23 65 14 14-0015 | EA | 90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 29,041.78 | 2,597.99 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *3,772.54* | |
| | | *For Stainless Steel Support Structure, Add* | *7,545.08* | |
| 23 65 14 14-0016 | EA | 100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 31,228.73 | 2,795.30 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *4,010.15* | |
| | | *For Stainless Steel Support Structure, Add* | *8,020.30* | |
| 23 65 14 14-0017 | EA | 125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 32,505.25 | 3,124.16 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *4,122.70* | |
| | | *For Stainless Steel Support Structure, Add* | *8,245.40* | |
| 23 65 14 14-0018 | EA | 150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 37,754.23 | 3,518.80 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *4,814.68* | |
| | | *For Stainless Steel Support Structure, Add* | *9,629.36* | |
| 23 65 14 14-0019 | EA | 175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 41,713.15 | 3,946.31 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *5,306.57* | |
| | | *For Stainless Steel Support Structure, Add* | *10,613.14* | |
| 23 65 14 14-0020 | EA | 200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 43,909.51 | 4,395.75 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *5,527.50* | |
| | | *For Stainless Steel Support Structure, Add* | *11,055.00* | |
| 23 65 14 14-0021 | EA | 225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 50,755.54 | 4,954.82 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *6,419.57* | |
| | | *For Stainless Steel Support Structure, Add* | *12,839.14* | |
| 23 65 14 14-0022 | EA | 250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 55,645.27 | 5,502.92 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *7,019.84* | |
| | | *For Stainless Steel Support Structure, Add* | *14,039.69* | |
| 23 65 14 14-0023 | EA | 275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 59,507.70 | 6,511.42 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *7,357.50* | |
| | | *For Stainless Steel Support Structure, Add* | *14,714.99* | |
| 23 65 14 14-0024 | EA | 300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 64,204.91 | 7,212.99 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *7,891.07* | |
| | | *For Stainless Steel Support Structure, Add* | *15,782.14* | |
| 23 65 14 14-0025 | EA | 350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 73,388.57 | 8,122.84 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *9,049.93* | |
| | | *For Stainless Steel Support Structure, Add* | *18,099.86* | |
| 23 65 14 14-0026 | EA | 400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 80,902.03 | 8,912.09 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *9,987.85* | |
| | | *For Stainless Steel Support Structure, Add* | *19,975.70* | |
| 23 65 14 14-0027 | EA | 450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 89,423.05 | 9,876.75 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *11,034.16* | |
| | | *For Stainless Steel Support Structure, Add* | *22,068.32* | |
| 23 65 14 14-0028 | EA | 500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 97,441.05 | 10,709.86 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *12,034.61* | |
| | | *For Stainless Steel Support Structure, Add* | *24,069.22* | |
| 23 65 14 14-0029 | EA | 600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 111,371.78 | 11,597.78 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *13,910.46* | |
| | | *For Stainless Steel Support Structure, Add* | *27,820.92* | |
| 23 65 14 14-0030 | EA | 700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 124,914.31 | 11,992.41 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *15,915.53* | |
| | | *For Stainless Steel Support Structure, Add* | *31,831.07* | |
| 23 65 14 14-0031 | EA | 800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 139,627.19 | 13,220.15 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *17,833.07* | |
| | | *For Stainless Steel Support Structure, Add* | *35,666.14* | |
| 23 65 14 14-0032 | EA | 900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 153,904.06 | 14,557.51 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *19,658.89* | |
| | | *For Stainless Steel Support Structure, Add* | *39,317.79* | |
| 23 65 14 14-0033 | EA | 1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 167,893.31 | 16,092.20 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *21,397.18* | |
| | | *For Stainless Steel Support Structure, Add* | *42,794.36* | |
| 23 65 14 14-0034 | EA | 1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 183,755.60 | 16,870.50 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *23,594.01* | |
| | | *For Stainless Steel Support Structure, Add* | *47,188.01* | |
| 23 65 14 14-0035 | EA | 1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 199,051.92 | 17,593.99 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *25,715.80* | |
| | | *For Stainless Steel Support Structure, Add* | *51,431.60* | |
| 23 65 14 14-0036 | EA | 1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 211,729.91 | 19,106.73 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *27,262.33* | |
| | | *For Stainless Steel Support Structure, Add* | *54,524.67* | |
| 23 65 14 14-0037 | EA | 1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 223,999.71 | 20,729.11 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *28,721.33* | |
| | | *For Stainless Steel Support Structure, Add* | *57,442.65* | |
| 23 65 14 14-0038 | EA | 1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 235,828.45 | 22,439.17 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *30,092.78* | |
| | | *For Stainless Steel Support Structure, Add* | *60,185.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 65 14 14-0039 | EA | 1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 246,743.92 | 23,984.82 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *31,368.36* | |
| | | *For Stainless Steel Support Structure, Add* | *62,736.71* | |
| 23 65 14 14-0040 | EA | 1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 257,409.76 | 25,749.70 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *32,552.23* | |
| | | *For Stainless Steel Support Structure, Add* | *65,104.45* | |
| 23 65 14 14-0041 | EA | 1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 267,930.45 | 27,788.63 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *33,648.56* | |
| | | *For Stainless Steel Support Structure, Add* | *67,297.11* | |
| 23 65 14 14-0042 | EA | 1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 277,801.07 | 29,827.55 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *34,649.01* | |
| | | *For Stainless Steel Support Structure, Add* | *69,298.02* | |
| 23 65 14 14-0043 | EA | 2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower | 288,250.04 | 32,611.91 |
| | | *For Polymer Coating Over Galvanized Components, Add* | *35,561.92* | |
| | | *For Stainless Steel Support Structure, Add* | *71,123.84* | |

### 23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers *(23 65 14 14)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 65 14 14-0045 | EA | 100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower | 90,967.75 | 2,795.30 |
| | | *For Induced Draft Counter Flow Type, Add* | *4,323.67* | |
| 23 65 14 14-0046 | EA | 125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower | 103,111.24 | 3,102.24 |
| | | *For Induced Draft Counter Flow Type, Add* | *4,904.53* | |
| 23 65 14 14-0047 | EA | 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower | 112,675.06 | 3,518.80 |
| | | *For Induced Draft Counter Flow Type, Add* | *5,350.93* | |
| 23 65 14 14-0048 | EA | 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower | 125,192.96 | 4,395.75 |
| | | *For Induced Draft Counter Flow Type, Add* | *5,906.67* | |
| 23 65 14 14-0049 | EA | 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower | 141,734.56 | 5,502.92 |
| | | *For Induced Draft Counter Flow Type, Add* | *6,644.41* | |
| 23 65 14 14-0050 | EA | 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower | 162,609.21 | 7,212.99 |
| | | *For Induced Draft Counter Flow Type, Add* | *7,550.57* | |
| 23 65 14 14-0051 | EA | 350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower | 177,124.17 | 8,122.84 |
| | | *For Induced Draft Counter Flow Type, Add* | *8,203.42* | |
| 23 65 14 14-0052 | EA | 400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower | 191,441.82 | 8,912.09 |
| | | *For Induced Draft Counter Flow Type, Add* | *8,856.27* | |
| 23 65 14 14-0053 | EA | 500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower | 220,907.09 | 10,709.86 |
| | | *For Induced Draft Counter Flow Type, Add* | *10,184.84* | |
| 23 65 14 14-0054 | EA | 600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower | 249,586.73 | 11,597.78 |
| | | *For Induced Draft Counter Flow Type, Add* | *11,547.57* | |
| 23 65 14 14-0055 | EA | 750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower | 309,283.19 | 12,606.28 |
| | | *For Induced Draft Counter Flow Type, Add* | *14,422.77* | |
| 23 65 14 14-0056 | EA | 1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower | 401,593.29 | 16,092.20 |
| | | *For Induced Draft Counter Flow Type, Add* | *18,817.39* | |

## 23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

### 23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers *(23 65 14 16)*

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

### 23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 65 14 16-0003 | EA | 50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 38,160.97 | 1,819.69 |
| 23 65 14 16-0004 | EA | 75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 54,281.89 | 2,225.28 |
| 23 65 14 16-0005 | EA | 100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 63,930.12 | 2,795.30 |
| 23 65 14 16-0006 | EA | 125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 72,478.85 | 3,124.16 |
| 23 65 14 16-0007 | EA | 150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 79,498.27 | 3,518.80 |
| 23 65 14 16-0008 | EA | 200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 95,307.59 | 4,395.75 |
| 23 65 14 16-0009 | EA | 250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 112,125.37 | 5,502.92 |
| 23 65 14 16-0010 | EA | 300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 132,832.50 | 7,212.99 |
| 23 65 14 16-0011 | EA | 350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 145,391.62 | 8,122.84 |
| 23 65 14 16-0012 | EA | 400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 164,875.04 | 8,912.09 |
| 23 65 14 16-0013 | EA | 500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 191,076.05 | 10,709.86 |
| 23 65 14 16-0014 | EA | 600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 215,767.43 | 11,597.78 |
| 23 65 14 16-0015 | EA | 750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 267,041.35 | 12,606.28 |
| 23 65 14 16-0016 | EA | 1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower | 340,239.30 | 15,916.80 |

### 23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 65 14 16-0018 | EA | 100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower | 66,605.81 | 2,795.30 |
| 23 65 14 16-0019 | EA | 125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower | 72,062.33 | 3,124.16 |
| 23 65 14 16-0020 | EA | 150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower | 77,632.99 | 3,518.80 |
| 23 65 14 16-0021 | EA | 200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower | 91,780.75 | 4,395.75 |
| 23 65 14 16-0022 | EA | 250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower | 101,083.04 | 5,502.92 |

### 23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers *(23 65 14 16)*

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 65 14 16-0024 | EA | 5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 4,520.12 | 1,140.05 |
| 23 65 14 16-0025 | EA | 8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 4,758.09 | 1,194.85 |
| 23 65 14 16-0026 | EA | 10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 5,538.25 | 1,227.75 |
| 23 65 14 16-0027 | EA | 15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 6,266.45 | 1,249.67 |
| 23 65 14 16-0028 | EA | 20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 8,215.03 | 1,359.29 |
| 23 65 14 16-0029 | EA | 25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 8,689.36 | 1,425.05 |
| 23 65 14 16-0030 | EA | 30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 9,824.88 | 1,490.83 |
| 23 65 14 16-0031 | EA | 40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 11,332.37 | 1,644.29 |
| 23 65 14 16-0032 | EA | 50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 12,647.36 | 1,819.69 |
| 23 65 14 16-0033 | EA | 60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 14,178.02 | 1,962.19 |
| 23 65 14 16-0034 | EA | 70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 16,361.73 | 2,115.66 |
| 23 65 14 16-0035 | EA | 80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 17,807.01 | 2,411.64 |
| 23 65 14 16-0036 | EA | 100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 21,550.76 | 2,795.30 |
| 23 65 14 16-0037 | EA | 125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 26,659.47 | 3,124.16 |
| 23 65 14 16-0038 | EA | 150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 29,940.01 | 3,518.80 |
| 23 65 14 16-0039 | EA | 175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 36,375.00 | 3,946.31 |
| 23 65 14 16-0040 | EA | 200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 40,569.72 | 4,395.75 |
| 23 65 14 16-0041 | EA | 225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 44,834.66 | 4,954.82 |
| 23 65 14 16-0042 | EA | 250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 48,908.30 | 5,502.92 |
| 23 65 14 16-0043 | EA | 300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 58,557.16 | 7,212.99 |
| 23 65 14 16-0044 | EA | 350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 66,551.84 | 8,122.84 |
| 23 65 14 16-0045 | EA | 400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 73,973.54 | 8,912.09 |
| 23 65 14 16-0046 | EA | 500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 89,940.99 | 10,490.62 |
| 23 65 14 16-0047 | EA | 600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 102,786.58 | 11,597.78 |
| 23 65 14 16-0048 | EA | 700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 109,067.61 | 8,912.09 |
| 23 65 14 16-0049 | EA | 800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 124,666.80 | 13,220.15 |
| 23 65 14 16-0050 | EA | 1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower | 142,635.98 | 11,016.80 |

### 23 65 43 Cooling Tower Basins and Accessories *(23 65)*

#### 23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins *(23 65 43)*

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | |
|---|---|---|---|
| 23 65 43 00-0002 | EA | 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin | 1,337.00 |
| | | *For Anti-Flotation Flanges, Add* | *115.00* |
| | | *For Perforated Basins, Add* | *80.00* |
| 23 65 43 00-0003 | EA | 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin | 1,512.58 |
| | | *For Anti-Flotation Flanges, Add* | *115.00* |
| | | *For Perforated Basins, Add* | *80.00* |
| 23 65 43 00-0004 | EA | 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin | 1,487.75 |
| | | *For Anti-Flotation Flanges, Add* | *253.00* |
| | | *For Perforated Basins, Add* | *80.00* |
| 23 65 43 00-0005 | EA | 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin | 1,742.13 |
| | | *For Anti-Flotation Flanges, Add* | *253.00* |
| | | *For Perforated Basins, Add* | *80.00* |
| 23 65 43 00-0006 | EA | 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin | 1,887.72 |
| | | *For Anti-Flotation Flanges, Add* | *276.00* |
| | | *For Perforated Basins, Add* | *100.00* |
| 23 65 43 00-0007 | EA | 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin | 2,096.28 |
| | | *For Anti-Flotation Flanges, Add* | *276.00* |
| | | *For Perforated Basins, Add* | *100.00* |
| 23 65 43 00-0008 | EA | 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin | 2,304.84 |
| | | *For Anti-Flotation Flanges, Add* | *276.00* |
| | | *For Perforated Basins, Add* | *100.00* |
| 23 65 43 00-0009 | EA | 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin | 2,336.98 |
| | | *For Anti-Flotation Flanges, Add* | *294.00* |
| | | *For Perforated Basins, Add* | *140.00* |
| 23 65 43 00-0010 | EA | 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin | 2,584.52 |
| | | *For Anti-Flotation Flanges, Add* | *294.00* |
| | | *For Perforated Basins, Add* | *140.00* |
| 23 65 43 00-0011 | EA | 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin | 2,944.68 |
| | | *For Anti-Flotation Flanges, Add* | *294.00* |
| | | *For Perforated Basins, Add* | *140.00* |
| 23 65 43 00-0012 | EA | 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin | 3,307.83 |
| | | *For Anti-Flotation Flanges, Add* | *294.00* |
| | | *For Perforated Basins, Add* | *140.00* |
| 23 65 43 00-0013 | EA | 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin | 3,549.37 |
| | | *For Anti-Flotation Flanges, Add* | *294.00* |
| | | *For Perforated Basins, Add* | *140.00* |

#### 23 65 43 00-0014 Cooling Tower Accessories *(23 65 43)*

| | | | |
|---|---|---|---|
| 23 65 43 00-0015 | EA | 2" Deflection Vibration Isolator, Cooling Tower Accessory (M.M. Sausse RMLS-SB-EQ) | 36,716.31 |
| 23 65 43 00-0016 | EA | 3" Deflection Vibration Isolator, Cooling Tower Accessory (M.M. Sausse RMLS-SB-EQ) | 42,915.71 |

## 23 70 Central HVAC Equipment *(23)*

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0001 for terminations, 26 28 16 16-0001 for disconnect.

## 23 71 Thermal Storage *(23 70)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 23 71 13 Thermal Heat Storage *(23 71)*

#### 23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001 Nickelshield Storage Tanks *(23 71 13 23)*

| | | | | |
|---|---|---|---|---|
| 23 71 13 23-0002 | EA | 325 Gallon Nickelshield Storage Tank | 30,870.38 | 207.30 |
| 23 71 13 23-0003 | EA | 490 Gallon Nickelshield Storage Tank | 43,081.77 | 274.85 |
| 23 71 13 23-0004 | EA | 605 Gallon Nickelshield Storage Tank | 49,319.39 | 332.44 |
| 23 71 13 23-0005 | EA | 740 Gallon Nickelshield Storage Tank | 58,391.27 | 415.54 |
| 23 71 13 23-0006 | EA | 940 Gallon Nickelshield Storage Tank | 67,923.12 | 552.40 |
| 23 71 13 23-0007 | EA | 1,505 Gallon Nickelshield Storage Tank | 87,740.21 | 831.19 |
| 23 71 13 23-0008 | EA | 1,615 Gallon Nickelshield Storage Tank | 99,081.80 | 936.19 |
| 23 71 13 23-0009 | EA | 2,275 Gallon Nickelshield Storage Tank | 136,072.97 | 1,243.51 |
| 23 71 13 23-0010 | EA | 3,815 Gallon Nickelshield Storage Tank | 176,094.59 | 1,445.62 |

## 23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

### 23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 13 00-0001 Enthalpy Recovery Wheel *(23 72 13)*

| | | | | |
|---|---|---|---|---|
| 23 72 13 00-0002 | EA | Up To 1,000 CFM Enthalpy Recovery Wheel | 10,870.77 | 780.49 |
| 23 72 13 00-0003 | EA | >1,000 To 2,000 CFM Enthalpy Recovery Wheel | 12,060.61 | 936.82 |
| 23 72 13 00-0004 | EA | >2,000 To 4,000 CFM Enthalpy Recovery Wheel | 15,091.90 | 1,171.02 |
| 23 72 13 00-0005 | EA | >4,000 To 6,000 CFM Enthalpy Recovery Wheel | 17,652.02 | 1,337.89 |
| 23 72 13 00-0006 | EA | >6,000 To 8,000 CFM Enthalpy Recovery Wheel | 19,539.51 | 1,405.23 |
| 23 72 13 00-0007 | EA | >8,000 To 10,000 CFM Enthalpy Recovery Wheel | 23,763.67 | 1,561.55 |
| 23 72 13 00-0008 | EA | >10,000 To 15,000 CFM Enthalpy Recovery Wheel | 31,611.32 | 1,639.43 |
| 23 72 13 00-0009 | EA | >15,000 To 20,000 CFM Enthalpy Recovery Wheel | 39,402.92 | 1,756.53 |
| 23 72 13 00-0010 | EA | >20,000 To 25,000 CFM Enthalpy Recovery Wheel | 47,729.60 | 2,007.13 |
| 23 72 13 00-0011 | EA | >25,000 To 30,000 CFM Enthalpy Recovery Wheel | 53,455.15 | 2,576.24 |
| 23 72 13 00-0012 | EA | >30,000 To 40,000 CFM Enthalpy Recovery Wheel | 71,695.58 | 2,927.55 |
| 23 72 13 00-0013 | EA | >40,000 To 50,000 CFM Enthalpy Recovery Wheel | 85,273.54 | 3,513.06 |

23 72 13 00-0014 Energy Recovery Ventilator *(23 72 13)*

Note: Excludes crane and associated personnel.

| | | | | |
|---|---|---|---|---|
| 23 72 13 00-0015 | EA | 950 To 1,520 CFM Rooftop Energy Recovery Ventilator, Direct Drive | 14,594.57 | 449.44 |
| 23 72 13 00-0016 | EA | >1,520 To 2,000 CFM Rooftop Energy Recovery Ventilator, Belt Drive | 17,025.92 | 493.29 |
| 23 72 13 00-0017 | EA | >2,000 To 3,900 CFM Rooftop Energy Recovery Ventilator, Belt Drive | 19,720.84 | 559.06 |
| 23 72 13 00-0018 | EA | >3,900 To 5,050 CFM Rooftop Energy Recovery Ventilator, Belt Drive | 21,467.12 | 657.72 |
| 23 72 13 00-0019 | EA | >5,050 To 6,000 CFM Rooftop Energy Recovery Ventilator, Belt Drive | 23,114.76 | 712.53 |
| 23 72 13 00-0020 | EA | >6,000 To 8,000 CFM Rooftop Energy Recovery Ventilator, Belt Drive | 25,633.80 | 811.19 |
| 23 72 13 00-0021 | EA | >8,000 To 9,500 CFM Rooftop Energy Recovery Ventilator, Belt Drive | 30,507.46 | 898.88 |
| 23 72 13 00-0022 | EA | >9,500 To 12,000 CFM Rooftop Energy Recovery Ventilator, Belt Drive | 38,299.70 | 986.58 |

### 23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*

| | | | | |
|---|---|---|---|---|
| 23 72 16 00-0002 | EA | 100 MBH, 1,700 CFM Glycol Heat Recovery Unit | 19,683.57 | 585.51 |
| 23 72 16 00-0003 | EA | 160 MBH, 2,700 CFM Glycol Heat Recovery Unit | 30,963.65 | 780.72 |
| 23 72 16 00-0004 | EA | 620 MBH, 4,000 CFM Glycol Heat Recovery Unit | 45,901.00 | 1,171.02 |

### 23 72 19 Fixed-Plate Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 19 00-0001 Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer *(23 72 19)*

| | | | | |
|---|---|---|---|---|
| 23 72 19 00-0002 | EA | 85 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer | 2,048.88 | 284.92 |
| 23 72 19 00-0003 | EA | 192 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer | 2,753.01 | 313.42 |
| 23 72 19 00-0004 | EA | 218 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer | 3,537.41 | 341.91 |
| 23 72 19 00-0005 | EA | 302 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer | 5,504.76 | 398.89 |
| 23 72 19 00-0006 | EA | 612 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer | 7,818.42 | 455.88 |
| 23 72 19 00-0007 | EA | 1,022 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer | 10,958.17 | 512.86 |
| 23 72 19 00-0008 | EA | 1,250 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer | 11,565.48 | 569.85 |

### 23 72 23 Packaged Air-To-Air Energy-Recovery Units *(23 72)*


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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 72 23 00-0001 | | **Air To Air Heat Recovery Units** *(23 72 23)*<br>Note: These XHS units are for an interior space, fabricated with uncoated 18 gauge galvanized steel exterior casing, and 20 gauge galvanized steel liner, 16 gauge galvanized steel floor, 2" foam insulation, welded steel base frame, 2" MERV 8 outside air and return air filters, 12" MERV 13 final filters, outside air and exhaust air shutoff dampers, face and bypass dampers, direct drive plenum fans, premium efficient TEFC motors, seismic spring isolation, copper tube aluminum fin preheating and heating coils, non-fused disconnect, NEMA 4 electrical panel, service lights, 120V GFI, stainless steel drip pans throughout. | | |
| 23 72 23 00-0002 | EA | 3,300 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-30-36) | 103,744.95 | 2,439.03 |
| 23 72 23 00-0003 | EA | 4,500 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-30-48) | 117,209.69 | 2,909.84 |
| 23 72 23 00-0004 | EA | 6,000 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-40-48) | 125,041.63 | 3,552.90 |
| 23 72 23 00-0005 | EA | 9,000 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-50-60) | 162,591.08 | 5,658.92 |
| 23 72 23 00-0006 | EA | 15,000 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-50-96) | 226,497.91 | 7,103.50 |
| 23 72 23 00-0007 | EA | 20,000 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-60-96) | 286,323.70 | 8,279.38 |
| 23 72 23 00-0008 | EA | 27,000 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-80-96) | 336,115.65 | 10,384.25 |

# 23 73 Indoor Central-Station Air-Handling Units *(23 70)*

## 23 73 13 Modular Indoor Central-Station Air-Handling Units *(23 73)*

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0001 | | **Single Zone Units** *(23 73 13)*<br>Note: Horizontal/vertical draw-thru fan, motor and cabinet. | | |
| 23 73 13 00-0002 | EA | 300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 2,807.19 | 643.06 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *234.79* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *442.01* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *658.43* | |
| | | *For Manual Roll Filter, Add* | *1,130.56* | |
| | | *For Automatic Roll Filter, Add* | *1,224.99* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *564.00* | |
| | | *For Electric Heating Coil, Add* | *941.71* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *941.71* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *847.28* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *752.85* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *612.49* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *1,130.56* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *1,036.14* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *752.85* | |
| | | *For Variable Air Volume, Add* | *264.40* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *1,283.06* | |
| | | *For 2 Coils, Independent Circuits, Add* | *318.49* | |
| 23 73 13 00-0003 | EA | 500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 4,442.77 | 771.67 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *389.20* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *745.36* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *1,112.53* | |
| | | *For Manual Roll Filter, Add* | *1,947.85* | |
| | | *For Automatic Roll Filter, Add* | *2,114.91* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *945.47* | |
| | | *For Electric Heating Coil, Add* | *1,613.72* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *1,613.72* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *1,446.66* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *1,279.59* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *1,057.46* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *1,947.85* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *1,780.79* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *1,279.59* | |
| | | *For Variable Air Volume, Add* | *467.78* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *1,411.05* | |
| | | *For 2 Coils, Independent Circuits, Add* | *511.10* | |
| 23 73 13 00-0004 | EA | 800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 5,023.75 | 828.75 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *443.18* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *850.85* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *1,270.36* | |
| | | *For Manual Roll Filter, Add* | *2,230.33* | |
| | | *For Automatic Roll Filter, Add* | *2,422.33* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,078.36* | |
| | | *For Electric Heating Coil, Add* | *1,846.34* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *1,846.34* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *1,654.35* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *1,462.35* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *1,211.17* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *2,230.33* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *2,038.34* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *1,462.35* | |
| | | *For Variable Air Volume, Add* | *537.59* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *1,468.69* | |
| | | *For 2 Coils, Independent Circuits, Add* | *579.17* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0005 | EA | 1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 5,669.82 | 890.52 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *503.36* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *968.55* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *1,446.47* | |
| | | *For Manual Roll Filter, Add* | *2,545.83* | |
| | | *For Automatic Roll Filter, Add* | *2,765.70* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,226.60* | |
| | | *For Electric Heating Coil, Add* | *2,106.09* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *2,106.09* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *1,886.21* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *1,666.34* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *1,382.85* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *2,545.83* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *2,325.96* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *1,666.34* | |
| | | *For Variable Air Volume, Add* | *615.64* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *1,530.67* | |
| | | *For 2 Coils, Independent Circuits, Add* | *654.93* | |
| 23 73 13 00-0006 | EA | 1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 6,431.96 | 958.04 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *574.84* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *1,108.68* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *1,656.18* | |
| | | *For Manual Roll Filter, Add* | *2,922.41* | |
| | | *For Automatic Roll Filter, Add* | *3,175.65* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,402.93* | |
| | | *For Electric Heating Coil, Add* | *2,415.91* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *2,415.91* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *2,162.67* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *1,909.42* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *1,587.83* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *2,922.41* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *2,669.16* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *1,909.42* | |
| | | *For Variable Air Volume, Add* | *709.09* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *1,596.94* | |
| | | *For 2 Coils, Independent Circuits, Add* | *744.49* | |
| 23 73 13 00-0007 | EA | 1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 7,320.96 | 1,029.58 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *658.56* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *1,272.99* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *1,902.13* | |
| | | *For Manual Roll Filter, Add* | *3,364.67* | |
| | | *For Automatic Roll Filter, Add* | *3,657.18* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,609.62* | |
| | | *For Electric Heating Coil, Add* | *2,779.66* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *2,779.66* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *2,487.15* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *2,194.64* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *1,828.59* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *3,364.67* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *3,072.16* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *2,194.64* | |
| | | *For Variable Air Volume, Add* | *819.02* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *1,669.55* | |
| | | *For 2 Coils, Independent Circuits, Add* | *849.10* | |
| 23 73 13 00-0008 | EA | 1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 8,017.02 | 1,106.87 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *722.81* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *1,398.28* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *2,089.52* | |
| | | *For Manual Roll Filter, Add* | *3,699.30* | |
| | | *For Automatic Roll Filter, Add* | *4,021.26* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,767.57* | |
| | | *For Electric Heating Coil, Add* | *3,055.39* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *3,055.39* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *2,733.44* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *2,411.48* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *2,010.63* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *3,699.30* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *3,377.35* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *2,411.48* | |
| | | *For Variable Air Volume, Add* | *901.48* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *1,744.54* | |
| | | *For 2 Coils, Independent Circuits, Add* | *930.48* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0009 | EA | 1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 8,771.06 | 1,192.87 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *791.92* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *1,532.73* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *2,290.57* | |
| | | *For Manual Roll Filter, Add* | *4,057.40* | |
| | | *For Automatic Roll Filter, Add* | *4,410.77* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,937.20* | |
| | | *For Electric Heating Coil, Add* | *3,350.67* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *3,350.67* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *2,997.30* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *2,643.94* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *2,205.38* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *4,057.40* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *3,704.03* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *2,643.94* | |
| | | *For Variable Air Volume, Add* | *989.42* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *1,687.06* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,018.45* | |
| 23 73 13 00-0010 | EA | 2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 9,601.13 | 1,278.89 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *868.76* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *1,682.71* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *2,514.92* | |
| | | *For Manual Roll Filter, Add* | *4,458.44* | |
| | | *For Automatic Roll Filter, Add* | *4,847.14* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *2,126.22* | |
| | | *For Electric Heating Coil, Add* | *3,681.03* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *3,681.03* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *3,292.33* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *2,903.63* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *2,423.57* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *4,458.44* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *4,069.73* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *2,903.63* | |
| | | *For Variable Air Volume, Add* | *1,088.37* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *1,754.89* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,115.59* | |
| 23 73 13 00-0011 | EA | 2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 10,366.04 | 1,374.65 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *938.42* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *1,817.92* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *2,717.06* | |
| | | *For Manual Roll Filter, Add* | *4,817.62* | |
| | | *For Automatic Roll Filter, Add* | *5,237.73* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *2,296.94* | |
| | | *For Electric Heating Coil, Add* | *3,977.40* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *3,977.40* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *3,557.28* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *3,137.17* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *2,618.87* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *4,817.62* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *4,397.51* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *3,137.17* | |
| | | *For Variable Air Volume, Add* | *1,176.32* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *1,830.08* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,204.65* | |
| 23 73 13 00-0012 | EA | 2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 11,182.56 | 1,479.15 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,012.61* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *1,961.84* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *2,932.20* | |
| | | *For Manual Roll Filter, Add* | *5,199.63* | |
| | | *For Automatic Roll Filter, Add* | *5,653.12* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *2,478.72* | |
| | | *For Electric Heating Coil, Add* | *4,292.66* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *4,292.66* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *3,839.18* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *3,385.69* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *2,826.56* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *5,199.63* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *4,746.15* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *3,385.69* | |
| | | *For Variable Air Volume, Add* | *1,269.76* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *1,912.06* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,299.65* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0013 | EA | 3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 13,007.56 | 1,712.14 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,178.46* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *2,283.55* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *3,413.10* | |
| | | *For Manual Roll Filter, Add* | *6,053.53* | |
| | | *For Automatic Roll Filter, Add* | *6,581.62* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *2,885.01* | |
| | | *For Electric Heating Coil, Add* | *4,997.36* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *4,997.36* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *4,469.27* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *3,941.19* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *3,290.81* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *6,053.53* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *5,525.44* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *3,941.19* | |
| | | *For Variable Air Volume, Add* | *1,478.64* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,095.21* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,511.99* | |
| 23 73 13 00-0014 | EA | 3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 13,622.85 | 1,839.95 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,230.82* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *2,382.77* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *3,561.01* | |
| | | *For Manual Roll Filter, Add* | *6,309.41* | |
| | | *For Automatic Roll Filter, Add* | *6,859.09* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *3,011.33* | |
| | | *For Electric Heating Coil, Add* | *5,210.05* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *5,210.05* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *4,660.37* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *4,110.69* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *3,429.55* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *6,309.41* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *5,759.73* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *4,110.69* | |
| | | *For Variable Air Volume, Add* | *1,539.11* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,196.08* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,582.16* | |
| 23 73 13 00-0015 | EA | 3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 14,250.39 | 1,977.40 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,283.79* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *2,482.84* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *3,710.14* | |
| | | *For Manual Roll Filter, Add* | *6,566.51* | |
| | | *For Automatic Roll Filter, Add* | *7,137.79* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *3,138.86* | |
| | | *For Electric Heating Coil, Add* | *5,423.96* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *5,423.96* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *4,852.69* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *4,281.41* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *3,568.89* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *6,566.51* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *5,995.24* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *4,281.41* | |
| | | *For Variable Air Volume, Add* | *1,599.57* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,303.69* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,653.55* | |
| 23 73 13 00-0016 | EA | 4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 15,630.08 | 2,282.86 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,399.89* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *2,701.92* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *4,036.57* | |
| | | *For Manual Roll Filter, Add* | *7,128.52* | |
| | | *For Automatic Roll Filter, Add* | *7,746.91* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *3,418.18* | |
| | | *For Electric Heating Coil, Add* | *5,891.74* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *5,891.74* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *5,273.35* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *4,654.96* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *3,873.46* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *7,128.52* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *6,510.13* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *4,654.96* | |
| | | *For Variable Air Volume, Add* | *1,731.49* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,244.91* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,810.36* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0017 | EA | 4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 15,630.08 | 2,282.86 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,399.89* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *2,701.92* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *4,036.57* | |
| | | *For Manual Roll Filter, Add* | *7,128.52* | |
| | | *For Automatic Roll Filter, Add* | *7,746.91* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *3,418.18* | |
| | | *For Electric Heating Coil, Add* | *5,891.74* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *5,891.74* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *5,273.35* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *4,654.96* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *3,873.46* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *7,128.52* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *6,510.13* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *4,654.96* | |
| | | *For Variable Air Volume, Add* | *1,731.49* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,244.91* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,810.36* | |
| 23 73 13 00-0018 | EA | 5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 17,135.20 | 2,622.07 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,526.19* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *2,939.99* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *4,391.25* | |
| | | *For Manual Roll Filter, Add* | *7,738.41* | |
| | | *For Automatic Roll Filter, Add* | *8,407.84* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *3,721.82* | |
| | | *For Electric Heating Coil, Add* | *6,399.54* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *6,399.54* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *5,730.11* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *5,060.68* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *4,203.92* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *7,738.41* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *7,068.98* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *5,060.68* | |
| | | *For Variable Air Volume, Add* | *1,874.41* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,438.62* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,981.29* | |
| 23 73 13 00-0019 | EA | 5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 18,003.16 | 2,844.73 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,597.07* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *3,072.20* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *4,587.98* | |
| | | *For Manual Roll Filter, Add* | *8,072.56* | |
| | | *For Automatic Roll Filter, Add* | *8,769.48* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *3,891.06* | |
| | | *For Electric Heating Coil, Add* | *6,678.73* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *6,678.73* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *5,981.81* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *5,284.90* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *4,384.74* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *8,072.56* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *7,375.64* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *5,284.90* | |
| | | *For Variable Air Volume, Add* | *1,951.36* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,565.94* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,079.08* | |
| 23 73 13 00-0020 | EA | 6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 18,854.23 | 3,056.14 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,667.11* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *3,203.24* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *4,783.02* | |
| | | *For Manual Roll Filter, Add* | *8,405.02* | |
| | | *For Automatic Roll Filter, Add* | *9,129.42* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *4,058.62* | |
| | | *For Electric Heating Coil, Add* | *6,956.22* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *6,956.22* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *6,231.82* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *5,507.42* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *4,564.71* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *8,405.02* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *7,680.62* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *5,507.42* | |
| | | *For Variable Air Volume, Add* | *2,028.32* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,686.49* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,175.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0021 | EA | 6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 19,710.40 | 3,271.56 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,737.40* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *3,334.63* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *4,978.58* | |
| | | *For Manual Roll Filter, Add* | *8,738.00* | |
| | | *For Automatic Roll Filter, Add* | *9,489.88* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *4,226.69* | |
| | | *For Electric Heating Coil, Add* | *7,234.23* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *7,234.23* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *6,482.34* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *5,730.46* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *4,744.94* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *8,738.00* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *7,986.11* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *5,730.46* | |
| | | *For Variable Air Volume, Add* | *2,105.28* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,809.09* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,271.79* | |
| 23 73 13 00-0022 | EA | 7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 20,696.86 | 3,521.55 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,818.14* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *3,485.35* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *5,202.86* | |
| | | *For Manual Roll Filter, Add* | *9,119.34* | |
| | | *For Automatic Roll Filter, Add* | *9,902.63* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *4,419.57* | |
| | | *For Electric Heating Coil, Add* | *7,552.75* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *7,552.75* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *6,769.45* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *5,986.16* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *4,951.32* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *9,119.34* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *8,336.04* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *5,986.16* | |
| | | *For Variable Air Volume, Add* | *2,193.22* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,952.39* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,383.00* | |
| 23 73 13 00-0023 | EA | 7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 21,697.96 | 3,773.15 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,899.60* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *3,637.09* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *5,428.62* | |
| | | *For Manual Roll Filter, Add* | *9,502.14* | |
| | | *For Automatic Roll Filter, Add* | *10,316.85* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *4,613.91* | |
| | | *For Electric Heating Coil, Add* | *7,872.73* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *7,872.73* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *7,058.03* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *6,243.32* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *5,158.42* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *9,502.14* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *8,687.44* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *6,243.32* | |
| | | *For Variable Air Volume, Add* | *2,281.17* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,801.16* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,495.68* | |
| 23 73 13 00-0024 | EA | 8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 22,729.23 | 4,063.21 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,982.58* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *3,790.95* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *5,657.38* | |
| | | *For Manual Roll Filter, Add* | *9,887.96* | |
| | | *For Automatic Roll Filter, Add* | *10,734.07* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *4,811.27* | |
| | | *For Electric Heating Coil, Add* | *8,195.73* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *8,195.73* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *7,349.61* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *6,503.50* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *5,367.04* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *9,887.96* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *9,041.84* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *6,503.50* | |
| | | *For Variable Air Volume, Add* | *2,369.12* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,922.08* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,611.37* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0025 | EA | 9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 23,904.01 | 4,401.74 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,076.65* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *3,965.06* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *5,916.21* | |
| | | *For Manual Roll Filter, Add* | *10,323.47* | |
| | | *For Automatic Roll Filter, Add* | *11,204.92* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *5,034.76* | |
| | | *For Electric Heating Coil, Add* | *8,560.57* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *8,560.57* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *7,679.11* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *6,797.66* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *5,602.46* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *10,323.47* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *9,442.02* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *6,797.66* | |
| | | *For Variable Air Volume, Add* | *2,468.07* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,062.49* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,742.98* | |
| 23 73 13 00-0026 | EA | 10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 25,051.08 | 4,699.62 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,169.34* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *4,137.23* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *6,172.26* | |
| | | *For Manual Roll Filter, Add* | *10,756.20* | |
| | | *For Automatic Roll Filter, Add* | *11,672.99* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *5,255.47* | |
| | | *For Electric Heating Coil, Add* | *8,922.63* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *8,922.63* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *8,005.84* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *7,089.05* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *5,836.50* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *10,756.20* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *9,839.42* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *7,089.05* | |
| | | *For Variable Air Volume, Add* | *2,567.01* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,194.59* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,871.82* | |
| 23 73 13 00-0027 | EA | 11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 25,167.66 | 4,550.44 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,192.84* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *4,191.32* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *6,254.59* | |
| | | *For Manual Roll Filter, Add* | *10,926.87* | |
| | | *For Automatic Roll Filter, Add* | *11,861.33* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *5,320.14* | |
| | | *For Electric Heating Coil, Add* | *9,057.96* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *9,057.96* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *8,123.51* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *7,189.05* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *5,930.67* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *10,926.87* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *9,992.42* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *7,189.05* | |
| | | *For Variable Air Volume, Add* | *2,616.48* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,123.56* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,890.55* | |
| 23 73 13 00-0028 | EA | 12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 26,253.30 | 5,048.59 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,264.79* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *4,313.26* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *6,433.83* | |
| | | *For Manual Roll Filter, Add* | *11,194.46* | |
| | | *For Automatic Roll Filter, Add* | *12,146.58* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *5,481.71* | |
| | | *For Electric Heating Coil, Add* | *9,290.21* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *9,290.21* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *8,338.08* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *7,385.96* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *6,073.29* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *11,194.46* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *10,242.33* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *7,385.96* | |
| | | *For Variable Air Volume, Add* | *2,665.95* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,343.24* | |
| | | *For 2 Coils, Independent Circuits, Add* | *3,006.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0029 | EA | 13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 27,649.87 | 5,251.38 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,391.55* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *4,559.04* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *6,801.21* | |
| | | *For Manual Roll Filter, Add* | *11,846.49* | |
| | | *For Automatic Roll Filter, Add* | *12,855.55* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *5,792.16* | |
| | | *For Electric Heating Coil, Add* | *9,828.38* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *9,828.38* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *8,819.32* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *7,810.27* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *6,427.77* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *11,846.49* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *10,837.44* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *7,810.27* | |
| | | *For Variable Air Volume, Add* | *2,825.36* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,893.75* | |
| | | *For 2 Coils, Independent Circuits, Add* | *3,168.61* | |
| 23 73 13 00-0030 | EA | 15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 29,118.18 | 5,454.75 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,521.90* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *4,809.84* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *7,175.77* | |
| | | *For Manual Roll Filter, Add* | *12,505.71* | |
| | | *For Automatic Roll Filter, Add* | *13,571.69* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *6,109.78* | |
| | | *For Electric Heating Coil, Add* | *10,373.73* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *10,373.73* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *9,307.74* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *8,241.76* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *6,785.85* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *12,505.71* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *11,439.72* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *8,241.76* | |
| | | *For Variable Air Volume, Add* | *2,984.77* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,959.69* | |
| | | *For 2 Coils, Independent Circuits, Add* | *3,338.21* | |
| 23 73 13 00-0031 | EA | 16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 30,676.94 | 5,664.54 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,664.62* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *5,087.39* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *7,590.78* | |
| | | *For Manual Roll Filter, Add* | *13,244.63* | |
| | | *For Automatic Roll Filter, Add* | *14,375.40* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *6,460.01* | |
| | | *For Electric Heating Coil, Add* | *10,983.09* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *10,983.09* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *9,852.32* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *8,721.55* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *7,187.70* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *13,244.63* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *12,113.86* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *8,721.55* | |
| | | *For Variable Air Volume, Add* | *3,166.16* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,012.30* | |
| | | *For 2 Coils, Independent Circuits, Add* | *3,520.00* | |
| 23 73 13 00-0032 | EA | 17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 32,299.79 | 5,874.58 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,810.54* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *5,369.43* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *8,012.20* | |
| | | *For Manual Roll Filter, Add* | *13,989.97* | |
| | | *For Automatic Roll Filter, Add* | *15,185.53* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *6,816.64* | |
| | | *For Electric Heating Coil, Add* | *11,598.86* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *11,598.86* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *10,403.31* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *9,207.75* | |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *7,592.76* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *13,989.97* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *12,794.42* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *9,207.75* | |
| | | *For Variable Air Volume, Add* | *3,347.55* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,077.74* | |
| | | *For 2 Coils, Independent Circuits, Add* | *3,708.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0033 | EA | 20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 36,015.36 | 6,297.96 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *3,151.41* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *6,032.75* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *10,354.75* | |
| | | *For Manual Roll Filter, Add* | *14,946.94* | |
| | | *For Automatic Roll Filter, Add* | *15,757.32* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *6,302.82* | |
| | | *For Electric Heating Coil, Add* | *6,843.08* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *11,705.39* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *10,354.75* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *9,004.11* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *7,203.34* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *14,406.68* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *13,056.04* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *10,354.75* | |
| | | *For Variable Air Volume, Add* | *3,781.80* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,310.44* | |
| | | *For 2 Coils, Independent Circuits, Add* | *4,141.79* | |
| 23 73 13 00-0034 | EA | 22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 39,963.95 | 6,787.49 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *3,509.82* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *6,727.69* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *11,554.50* | |
| | | *For Manual Roll Filter, Add* | *16,694.01* | |
| | | *For Automatic Roll Filter, Add* | *17,600.98* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *7,019.64* | |
| | | *For Electric Heating Coil, Add* | *7,624.29* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *13,066.12* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *11,554.50* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *10,042.88* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *8,044.68* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *16,089.36* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *14,577.74* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *11,554.50* | |
| | | *For Variable Air Volume, Add* | *4,232.54* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,438.02* | |
| | | *For 2 Coils, Independent Circuits, Add* | *4,601.04* | |
| 23 73 13 00-0035 | EA | 25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 44,281.13 | 7,272.65 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *3,908.25* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *7,504.58* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *12,899.08* | |
| | | *For Manual Roll Filter, Add* | *18,659.34* | |
| | | *For Automatic Roll Filter, Add* | *19,675.85* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *7,816.50* | |
| | | *For Electric Heating Coil, Add* | *8,494.18* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *14,593.27* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *12,899.08* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *11,204.89* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *8,990.83* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *17,981.66* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *16,287.47* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *12,899.08* | |
| | | *For Variable Air Volume, Add* | *4,743.74* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,554.52* | |
| | | *For 2 Coils, Independent Circuits, Add* | *5,105.79* | |
| 23 73 13 00-0036 | EA | 27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 54,531.15 | 7,832.46 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *4,893.87* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *9,452.19* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *16,289.67* | |
| | | *For Manual Roll Filter, Add* | *23,658.53* | |
| | | *For Automatic Roll Filter, Add* | *24,958.91* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *9,787.74* | |
| | | *For Electric Heating Coil, Add* | *10,654.66* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *18,456.98* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *16,289.67* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *14,122.36* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *11,395.80* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *22,791.60* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *20,624.29* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *16,289.67* | |
| | | *For Variable Air Volume, Add* | *6,068.47* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,692.36* | |
| | | *For 2 Coils, Independent Circuits, Add* | *6,320.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0037 | EA | 30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 60,934.11 | 8,360.00 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *5,496.71* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *10,635.40* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *18,343.43* | |
| | | *For Manual Roll Filter, Add* | *26,673.44* | |
| | | *For Automatic Roll Filter, Add* | *28,143.45* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *10,993.42* | |
| | | *For Electric Heating Coil, Add* | *11,973.42* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *20,793.44* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *18,343.43* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *15,893.43* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *12,846.72* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *25,693.44* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *23,243.44* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *18,343.43* | |
| | | *For Variable Air Volume, Add* | *6,860.01* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,555.10* | |
| | | *For 2 Coils, Independent Circuits, Add* | *7,073.41* | |
| 23 73 13 00-0038 | EA | 32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 66,762.22 | 9,002.48 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *6,033.51* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *11,681.39* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *20,153.21* | |
| | | *For Manual Roll Filter, Add* | *29,317.56* | |
| | | *For Automatic Roll Filter, Add* | *30,934.80* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *12,067.02* | |
| | | *For Electric Heating Coil, Add* | *13,145.17* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *22,848.60* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *20,153.21* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *17,457.81* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *14,119.70* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *28,239.40* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *25,544.00* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *20,153.21* | |
| | | *For Variable Air Volume, Add* | *7,547.11* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,693.14* | |
| | | *For 2 Coils, Independent Circuits, Add* | *7,754.38* | |
| 23 73 13 00-0039 | EA | 35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 73,253.05 | 9,924.19 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *6,627.00* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *12,835.02* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *22,147.05* | |
| | | *For Manual Roll Filter, Add* | *32,225.83* | |
| | | *For Automatic Roll Filter, Add* | *34,004.44* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *13,254.00* | |
| | | *For Electric Heating Coil, Add* | *14,439.74* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *25,111.39* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *22,147.05* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *19,182.70* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *15,520.04* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *31,040.09* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *28,075.74* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *22,147.05* | |
| | | *For Variable Air Volume, Add* | *8,300.17* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,859.91* | |
| | | *For 2 Coils, Independent Circuits, Add* | *8,511.04* | |
| 23 73 13 00-0040 | EA | 37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 78,844.19 | 10,369.43 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *7,144.10* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *13,844.00* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *23,893.86* | |
| | | *For Manual Roll Filter, Add* | *34,780.28* | |
| | | *For Automatic Roll Filter, Add* | *36,701.41* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *14,288.20* | |
| | | *For Electric Heating Coil, Add* | *15,568.95* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *27,095.75* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *23,893.86* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *20,691.97* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *16,749.76* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *33,499.52* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *30,297.64* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *23,893.86* | |
| | | *For Variable Air Volume, Add* | *8,965.29* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,985.96* | |
| | | *For 2 Coils, Independent Circuits, Add* | *9,165.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0041 | EA | 40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 85,041.81 | 11,092.76 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *7,709.19* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *14,941.38* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *25,789.67* | |
| | | *For Manual Roll Filter, Add* | *37,543.80* | |
| | | *For Automatic Roll Filter, Add* | *39,618.05* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *15,418.38* | |
| | | *For Electric Heating Coil, Add* | *16,801.21* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *29,246.76* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *25,789.67* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *22,332.57* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *18,080.48* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *36,160.96* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *32,703.86* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *25,789.67* | |
| | | *For Variable Air Volume, Add* | *9,679.87* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,817.48* | |
| | | *For 2 Coils, Independent Circuits, Add* | *9,887.02* | |
| 23 73 13 00-0042 | EA | 45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 91,788.77 | 11,977.08 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *8,323.34* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *16,133.36* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *27,848.38* | |
| | | *For Manual Roll Filter, Add* | *40,543.64* | |
| | | *For Automatic Roll Filter, Add* | *42,783.98* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *16,646.68* | |
| | | *For Electric Heating Coil, Add* | *18,140.24* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *31,582.28* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *27,848.38* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *24,114.48* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *19,525.04* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *39,050.08* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *35,316.18* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *27,848.38* | |
| | | *For Variable Air Volume, Add* | *10,454.92* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,968.85* | |
| | | *For 2 Coils, Independent Circuits, Add* | *10,672.44* | |
| 23 73 13 00-0043 | EA | 47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 95,620.87 | 12,539.65 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *8,668.07* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *16,799.73* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *28,997.21* | |
| | | *For Manual Roll Filter, Add* | *42,213.10* | |
| | | *For Automatic Roll Filter, Add* | *44,545.32* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *17,336.14* | |
| | | *For Electric Heating Coil, Add* | *18,890.95* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *32,884.24* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *28,997.21* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *25,110.19* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *20,329.15* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *40,658.29* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *36,771.27* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *28,997.21* | |
| | | *For Variable Air Volume, Add* | *10,883.67* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,065.05* | |
| | | *For 2 Coils, Independent Circuits, Add* | *11,116.90* | |
| 23 73 13 00-0044 | EA | 50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 99,233.92 | 13,021.94 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *8,993.99* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *17,430.35* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *30,084.88* | |
| | | *For Manual Roll Filter, Add* | *43,794.70* | |
| | | *For Automatic Roll Filter, Add* | *46,214.07* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *17,987.99* | |
| | | *For Electric Heating Coil, Add* | *19,600.91* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *34,117.18* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *30,084.88* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *26,052.58* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *21,090.89* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *42,181.78* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *38,149.48* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *30,084.88* | |
| | | *For Variable Air Volume, Add* | *11,290.43* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,153.50* | |
| | | *For 2 Coils, Independent Circuits, Add* | *11,536.31* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0045 | EA | 55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 106,999.11 | 13,906.15 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *9,706.17* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *18,816.10* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *32,481.00* | |
| | | *For Manual Roll Filter, Add* | *47,292.13* | |
| | | *For Automatic Roll Filter, Add* | *49,905.86* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *19,412.35* | |
| | | *For Electric Heating Coil, Add* | *21,154.83* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *36,837.21* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *32,481.00* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *28,124.78* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *22,774.82* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *45,549.65* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *41,193.43* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *32,481.00* | |
| | | *For Variable Air Volume, Add* | *12,197.41* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,314.35* | |
| | | *For 2 Coils, Independent Circuits, Add* | *12,442.40* | |
| 23 73 13 00-0046 | EA | 60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 117,066.60 | 14,870.74 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *10,643.40* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *20,648.85* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *35,657.02* | |
| | | *For Manual Roll Filter, Add* | *51,943.26* | |
| | | *For Automatic Roll Filter, Add* | *54,817.31* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *21,286.80* | |
| | | *For Electric Heating Coil, Add* | *23,202.83* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *40,447.09* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *35,657.02* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *30,866.95* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *25,013.62* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *50,027.24* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *45,237.16* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *35,657.02* | |
| | | *For Variable Air Volume, Add* | *13,412.20* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,026.52* | |
| | | *For 2 Coils, Independent Circuits, Add* | *13,622.69* | |
| 23 73 13 00-0047 | EA | 65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 128,347.96 | 16,076.47 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *11,686.48* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *22,683.96* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *39,180.19* | |
| | | *For Manual Roll Filter, Add* | *57,095.06* | |
| | | *For Automatic Roll Filter, Add* | *60,256.51* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *23,372.95* | |
| | | *For Electric Heating Coil, Add* | *25,480.59* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *44,449.27* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *39,180.19* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *33,911.11* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *27,493.71* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *54,987.43* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *49,718.35* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *39,180.19* | |
| | | *For Variable Air Volume, Add* | *14,753.42* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,196.64* | |
| | | *For 2 Coils, Independent Circuits, Add* | *14,942.43* | |
| 23 73 13 00-0048 | EA | 70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan | 140,906.72 | 17,442.97 |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *12,842.50* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *24,936.10* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *43,076.50* | |
| | | *For Manual Roll Filter, Add* | *62,786.86* | |
| | | *For Automatic Roll Filter, Add* | *66,265.16* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *25,685.00* | |
| | | *For Electric Heating Coil, Add* | *28,003.87* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *48,873.66* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *43,076.50* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *37,279.33* | |
| | | *For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add* | *30,234.00* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *60,467.99* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *54,670.83* | |
| | | *For Hot Water Heating Coil, Copper Fins, Add* | *43,076.50* | |
| | | *For Variable Air Volume, Add* | *16,232.06* | |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,396.34* | |
| | | *For 2 Coils, Independent Circuits, Add* | *16,409.54* | |

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*

Note: Horizontal/vertical blow-thru fan, motor and cabinet.


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0050 | EA | 1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 8,348.31 | 1,446.66 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,086.38* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *731.52* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *1,401.05* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *1,777.14* | |
| | | *For Manual Roll Filter, Add* | *3,661.76* | |
| | | *For Automatic Roll Filter, Add* | *3,661.76* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *834.83* | |
| | | *For Electric Heating Coil, Add* | *960.47* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *3,033.55* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *3,033.55* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *3,661.76* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *3,661.76* | |
| | | *For 2 Coils, Independent Circuits, Add* | *960.47* | |
| 23 73 13 00-0051 | EA | 1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 10,402.53 | 1,812.40 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,452.45* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *910.79* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *1,743.91* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *2,212.25* | |
| | | *For Manual Roll Filter, Add* | *4,556.24* | |
| | | *For Automatic Roll Filter, Add* | *4,556.24* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,040.25* | |
| | | *For Electric Heating Coil, Add* | *1,196.52* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *3,774.91* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *3,774.91* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *4,556.24* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *4,556.24* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,196.52* | |
| 23 73 13 00-0052 | EA | 1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 12,885.24 | 1,928.95 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,568.79* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,150.75* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *2,218.84* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *2,808.00* | |
| | | *For Manual Roll Filter, Add* | *5,846.94* | |
| | | *For Automatic Roll Filter, Add* | *5,846.94* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,288.52* | |
| | | *For Electric Heating Coil, Add* | *1,491.12* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *4,833.96* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *4,833.96* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *5,846.94* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *5,846.94* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,491.12* | |
| 23 73 13 00-0053 | EA | 2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 13,394.02 | 2,065.59 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,705.06* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,191.90* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *2,295.29* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *2,905.99* | |
| | | *For Manual Roll Filter, Add* | *6,039.17* | |
| | | *For Automatic Roll Filter, Add* | *6,039.17* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,339.40* | |
| | | *For Electric Heating Coil, Add* | *1,548.28* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *4,994.78* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *4,994.78* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *6,039.17* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *6,039.17* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,548.28* | |
| 23 73 13 00-0054 | EA | 2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 15,688.28 | 2,214.30 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,854.39* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,410.66* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *2,726.41* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *3,447.56* | |
| | | *For Manual Roll Filter, Add* | *7,205.02* | |
| | | *For Automatic Roll Filter, Add* | *7,205.02* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,568.83* | |
| | | *For Electric Heating Coil, Add* | *1,819.33* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *5,952.53* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *5,952.53* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *7,205.02* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *7,205.02* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,819.33* | |
| 23 73 13 00-0055 | EA | 3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 16,540.45 | 2,371.28 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,011.17* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,484.68* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *2,867.73* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *3,627.01* | |
| | | *For Manual Roll Filter, Add* | *7,572.93* | |
| | | *For Automatic Roll Filter, Add* | *7,572.93* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,654.05* | |
| | | *For Electric Heating Coil, Add* | *1,917.11* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *6,257.62* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *6,257.62* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *7,572.93* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *7,572.93* | |
| | | *For 2 Coils, Independent Circuits, Add* | *1,917.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0056 | EA | 3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 17,437.29 | 2,531.93 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,171.73* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,562.89* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *3,017.28* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *3,816.81* | |
| | | *For Manual Roll Filter, Add* | *7,962.97* | |
| | | *For Automatic Roll Filter, Add* | *7,962.97* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,743.73* | |
| | | *For Electric Heating Coil, Add* | *2,020.14* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *6,580.92* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *6,580.92* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *7,962.97* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *7,962.97* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,020.14* | |
| 23 73 13 00-0057 | EA | 4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 19,460.29 | 2,716.93 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *2,880.11* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,752.38* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *3,388.58* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *4,284.13* | |
| | | *For Manual Roll Filter, Add* | *8,960.35* | |
| | | *For Automatic Roll Filter, Add* | *8,960.35* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *1,946.03* | |
| | | *For Electric Heating Coil, Add* | *2,257.78* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *7,401.61* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *7,401.61* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *8,960.35* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *8,960.35* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,257.78* | |
| 23 73 13 00-0058 | EA | 4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 21,275.44 | 2,909.61 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,036.25* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *1,919.70* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *3,714.70* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *4,695.34* | |
| | | *For Manual Roll Filter, Add* | *9,830.92* | |
| | | *For Automatic Roll Filter, Add* | *9,830.92* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *2,127.54* | |
| | | *For Electric Heating Coil, Add* | *2,469.92* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *8,119.06* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *8,119.06* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *9,830.92* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *9,830.92* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,469.92* | |
| 23 73 13 00-0059 | EA | 5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 22,490.32 | 3,107.58 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,186.16* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,027.56* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *3,922.24* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *4,958.17* | |
| | | *For Manual Roll Filter, Add* | *10,376.45* | |
| | | *For Automatic Roll Filter, Add* | *10,376.45* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *2,249.03* | |
| | | *For Electric Heating Coil, Add* | *2,610.25* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *8,570.36* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *8,570.36* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *10,376.45* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *10,376.45* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,610.25* | |
| 23 73 13 00-0060 | EA | 5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 24,808.45 | 3,320.02 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,359.82* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,243.59* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *4,344.82* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *5,490.34* | |
| | | *For Manual Roll Filter, Add* | *11,509.34* | |
| | | *For Automatic Roll Filter, Add* | *11,509.34* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *2,480.85* | |
| | | *For Electric Heating Coil, Add* | *2,882.11* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *9,503.01* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *9,503.01* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *11,509.34* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *11,509.34* | |
| | | *For 2 Coils, Independent Circuits, Add* | *2,882.11* | |
| 23 73 13 00-0061 | EA | 6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 26,395.19 | 3,553.13 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,541.49* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,385.75* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *4,619.23* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *5,837.48* | |
| | | *For Manual Roll Filter, Add* | *12,233.41* | |
| | | *For Automatic Roll Filter, Add* | *12,233.41* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *2,639.52* | |
| | | *For Electric Heating Coil, Add* | *3,065.91* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *10,101.43* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *10,101.43* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *12,233.41* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *12,233.41* | |
| | | *For 2 Coils, Independent Circuits, Add* | *3,065.91* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0062 | EA | 6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 28,947.47 | 3,858.35 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,779.14* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,619.37* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *5,073.52* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *6,410.74* | |
| | | *For Manual Roll Filter, Add* | *13,442.72* | |
| | | *For Automatic Roll Filter, Add* | *13,442.72* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *2,894.75* | |
| | | *For Electric Heating Coil, Add* | *3,363.55* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *11,098.73* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *11,098.73* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *13,442.72* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *13,442.72* | |
| | | *For 2 Coils, Independent Circuits, Add* | *3,363.55* | |
| 23 73 13 00-0063 | EA | 7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 31,101.98 | 4,155.88 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,013.96* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,813.47* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *5,448.91* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *6,885.32* | |
| | | *For Manual Roll Filter, Add* | *14,435.58* | |
| | | *For Automatic Roll Filter, Add* | *14,435.58* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *3,110.20* | |
| | | *For Electric Heating Coil, Add* | *3,613.55* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *11,918.83* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *11,918.83* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *14,435.58* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *14,435.58* | |
| | | *For 2 Coils, Independent Circuits, Add* | *3,613.55* | |
| 23 73 13 00-0064 | EA | 7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 32,633.86 | 4,493.38 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,502.50* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *2,943.07* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *5,693.96* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *7,197.53* | |
| | | *For Manual Roll Filter, Add* | *15,065.81* | |
| | | *For Automatic Roll Filter, Add* | *15,065.81* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *3,263.39* | |
| | | *For Electric Heating Coil, Add* | *3,787.94* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *12,443.05* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *12,443.05* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *15,065.81* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *15,065.81* | |
| | | *For 2 Coils, Independent Circuits, Add* | *3,787.94* | |
| 23 73 13 00-0065 | EA | 8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 36,218.13 | 4,846.83 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,711.21* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *3,275.41* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *6,342.98* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *8,015.33* | |
| | | *For Manual Roll Filter, Add* | *16,802.36* | |
| | | *For Automatic Roll Filter, Add* | *16,802.36* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *3,621.81* | |
| | | *For Electric Heating Coil, Add* | *4,207.62* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *13,873.35* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *13,873.35* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *16,802.36* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *16,802.36* | |
| | | *For 2 Coils, Independent Circuits, Add* | *4,207.62* | |
| 23 73 13 00-0066 | EA | 8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 38,133.06 | 5,224.62 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,927.50* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *3,439.87* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *6,655.67* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *8,412.95* | |
| | | *For Manual Roll Filter, Add* | *17,612.25* | |
| | | *For Automatic Roll Filter, Add* | *17,612.25* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *3,813.31* | |
| | | *For Electric Heating Coil, Add* | *4,426.59* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *14,545.81* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *14,545.81* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *17,612.25* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *17,612.25* | |
| | | *For 2 Coils, Independent Circuits, Add* | *4,426.59* | |
| 23 73 13 00-0067 | EA | 9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 40,253.95 | 5,658.92 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,163.35* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *3,622.48* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *7,003.20* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *8,854.73* | |
| | | *For Manual Roll Filter, Add* | *18,513.40* | |
| | | *For Automatic Roll Filter, Add* | *18,513.40* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *4,025.40* | |
| | | *For Electric Heating Coil, Add* | *4,669.31* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *15,293.84* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *15,293.84* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *18,513.40* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *18,513.40* | |
| | | *For 2 Coils, Independent Circuits, Add* | *4,669.31* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0068 | EA | 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 42,537.81 | 6,108.71 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,799.74* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *3,817.16* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *7,372.34* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *9,324.58* | |
| | | *For Manual Roll Filter, Add* | *19,466.18* | |
| | | *For Automatic Roll Filter, Add* | *19,466.18* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *4,253.78* | |
| | | *For Electric Heating Coil, Add* | *4,929.89* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *16,085.65* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *16,085.65* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *19,466.18* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *19,466.18* | |
| | | *For 2 Coils, Independent Circuits, Add* | *4,929.89* | |
| 23 73 13 00-0069 | EA | 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 43,731.11 | 6,342.17 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,904.48* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *3,919.03* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *7,565.61* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *9,570.54* | |
| | | *For Manual Roll Filter, Add* | *19,965.39* | |
| | | *For Automatic Roll Filter, Add* | *19,965.39* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *4,373.11* | |
| | | *For Electric Heating Coil, Add* | *5,066.10* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *16,500.44* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *16,500.44* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *19,965.39* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *19,965.39* | |
| | | *For 2 Coils, Independent Circuits, Add* | *5,066.10* | |
| 23 73 13 00-0070 | EA | 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 44,871.94 | 6,568.50 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,993.49* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *4,018.28* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *7,755.21* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *9,811.24* | |
| | | *For Manual Roll Filter, Add* | *20,459.34* | |
| | | *For Automatic Roll Filter, Add* | *20,459.34* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *4,487.19* | |
| | | *For Electric Heating Coil, Add* | *5,197.07* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *16,909.97* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *16,909.97* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *20,459.34* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *20,459.34* | |
| | | *For 2 Coils, Independent Circuits, Add* | *5,197.07* | |
| 23 73 13 00-0071 | EA | 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 50,777.27 | 6,832.50 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,357.36* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *4,588.39* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *8,883.17* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *11,226.29* | |
| | | *For Manual Roll Filter, Add* | *23,523.43* | |
| | | *For Automatic Roll Filter, Add* | *23,523.43* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *5,077.73* | |
| | | *For Electric Heating Coil, Add* | *5,897.54* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *19,424.38* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *19,424.38* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *23,523.43* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *23,523.43* | |
| | | *For 2 Coils, Independent Circuits, Add* | *5,897.54* | |
| 23 73 13 00-0072 | EA | 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 56,639.39 | 7,103.16 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,511.62* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *5,156.33* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *10,008.10* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *12,637.03* | |
| | | *For Manual Roll Filter, Add* | *26,583.21* | |
| | | *For Automatic Roll Filter, Add* | *26,583.21* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *5,663.94* | |
| | | *For Electric Heating Coil, Add* | *6,593.68* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *21,934.48* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *21,934.48* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *26,583.21* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *26,583.21* | |
| | | *For 2 Coils, Independent Circuits, Add* | *6,593.68* | |
| 23 73 13 00-0073 | EA | 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 65,197.89 | 7,371.07 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,576.76* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *5,993.57* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *11,671.42* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *14,720.82* | |
| | | *For Manual Roll Filter, Add* | *31,122.90* | |
| | | *For Automatic Roll Filter, Add* | *31,122.90* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *6,519.79* | |
| | | *For Electric Heating Coil, Add* | *7,613.26* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *25,655.54* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *25,655.54* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *31,122.90* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *31,122.90* | |
| | | *For 2 Coils, Independent Circuits, Add* | *7,613.26* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0074 | EA | 17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 73,761.64 | 7,636.33 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,642.81* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *6,831.08* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *13,335.10* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *16,805.15* | |
| | | *For Manual Roll Filter, Add* | *35,663.11* | |
| | | *For Automatic Roll Filter, Add* | *35,663.11* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *7,376.16* | |
| | | *For Electric Heating Coil, Add* | *8,633.36* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *29,377.12* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *29,377.12* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *35,663.11* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *35,663.11* | |
| | | *For 2 Coils, Independent Circuits, Add* | *8,633.36* | |
| 23 73 13 00-0075 | EA | 20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 82,851.38 | 8,279.38 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,804.34* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *7,693.90* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *11,481.72* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *18,939.12* | |
| | | *For Manual Roll Filter, Add* | *29,593.11* | |
| | | *For Automatic Roll Filter, Add* | *36,695.76* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *8,285.14* | |
| | | *For Electric Heating Coil, Add* | *9,705.67* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *29,593.11* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *29,593.11* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *15,387.79* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *36,695.76* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *36,695.76* | |
| | | *For 2 Coils, Independent Circuits, Add* | *9,705.67* | |
| 23 73 13 00-0076 | EA | 22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 89,353.29 | 9,002.82 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,683.60* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *8,295.80* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *12,379.74* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *20,419.72* | |
| | | *For Manual Roll Filter, Add* | *31,904.12* | |
| | | *For Automatic Roll Filter, Add* | *39,560.38* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *8,935.33* | |
| | | *For Electric Heating Coil, Add* | *10,466.58* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *31,904.12* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *31,904.12* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *16,591.59* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *39,560.38* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *39,560.38* | |
| | | *For 2 Coils, Independent Circuits, Add* | *10,466.58* | |
| 23 73 13 00-0077 | EA | 25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 106,708.44 | 9,725.92 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *3,848.65* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *9,976.30* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *14,894.99* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *24,593.46* | |
| | | *For Manual Roll Filter, Add* | *38,516.08* | |
| | | *For Automatic Roll Filter, Add* | *47,797.83* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *10,670.84* | |
| | | *For Electric Heating Coil, Add* | *12,527.19* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *38,516.08* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *38,516.08* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *19,952.59* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *47,797.83* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *47,797.83* | |
| | | *For 2 Coils, Independent Circuits, Add* | *12,527.19* | |
| 23 73 13 00-0078 | EA | 27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 120,678.05 | 10,530.09 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,018.24* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *11,316.72* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *16,899.98* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *27,916.27* | |
| | | *For Manual Roll Filter, Add* | *43,764.73* | |
| | | *For Automatic Roll Filter, Add* | *54,330.37* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *12,067.81* | |
| | | *For Electric Heating Coil, Add* | *14,180.93* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *43,764.73* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *43,764.73* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *22,633.45* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *54,330.37* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *54,330.37* | |
| | | *For 2 Coils, Independent Circuits, Add* | *14,180.93* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0079 | EA | 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 130,807.25 | 11,334.25 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,194.83* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *12,270.78* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *18,325.18* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *30,271.98* | |
| | | *For Manual Roll Filter, Add* | *47,463.23* | |
| | | *For Automatic Roll Filter, Add* | *58,924.07* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *13,080.73* | |
| | | *For Electric Heating Coil, Add* | *15,372.89* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *47,463.23* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *47,463.23* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *24,541.56* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *58,924.07* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *58,924.07* | |
| | | *For 2 Coils, Independent Circuits, Add* | *15,372.89* | |
| 23 73 13 00-0080 | EA | 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 146,140.07 | 13,262.75 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,196.04* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *13,667.59* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *20,406.74* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *33,695.77* | |
| | | *For Manual Roll Filter, Add* | *52,777.53* | |
| | | *For Automatic Roll Filter, Add* | *65,498.71* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *14,614.01* | |
| | | *For Electric Heating Coil, Add* | *17,158.24* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *52,777.53* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *52,777.53* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *27,335.18* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *65,498.71* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *65,498.71* | |
| | | *For 2 Coils, Independent Circuits, Add* | *17,158.24* | |
| 23 73 13 00-0081 | EA | 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 146,848.02 | 13,745.38 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,284.53* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *13,702.99* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *20,456.30* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *33,766.56* | |
| | | *For Manual Roll Filter, Add* | *52,848.33* | |
| | | *For Automatic Roll Filter, Add* | *65,569.50* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *14,684.80* | |
| | | *For Electric Heating Coil, Add* | *17,229.04* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *52,848.33* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *52,848.33* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *27,405.98* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *65,569.50* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *65,569.50* | |
| | | *For 2 Coils, Independent Circuits, Add* | *17,229.04* | |
| 23 73 13 00-0082 | EA | 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 153,602.43 | 14,227.22 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,373.03* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *14,343.03* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *21,412.83* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *35,348.98* | |
| | | *For Manual Roll Filter, Add* | *55,337.71* | |
| | | *For Automatic Roll Filter, Add* | *68,663.54* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *15,360.24* | |
| | | *For Electric Heating Coil, Add* | *18,025.41* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *55,337.71* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *55,337.71* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *28,686.07* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *68,663.54* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *68,663.54* | |
| | | *For 2 Coils, Independent Circuits, Add* | *18,025.41* | |
| 23 73 13 00-0083 | EA | 40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 160,676.31 | 15,272.65 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,555.44* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *14,977.46* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *22,357.17* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *36,898.55* | |
| | | *For Manual Roll Filter, Add* | *57,729.48* | |
| | | *For Automatic Roll Filter, Add* | *71,616.76* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *16,067.63* | |
| | | *For Electric Heating Coil, Add* | *18,845.09* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *57,729.48* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *57,729.48* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *29,954.91* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *71,616.76* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *71,616.76* | |
| | | *For 2 Coils, Independent Circuits, Add* | *18,845.09* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0084 | EA | 45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 173,202.35 | 16,076.47 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,688.10* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *16,177.00* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *24,151.17* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *39,870.87* | |
| | | *For Manual Roll Filter, Add* | *62,421.51* | |
| | | *For Automatic Roll Filter, Add* | *77,455.27* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *17,320.24* | |
| | | *For Electric Heating Coil, Add* | *20,326.99* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *62,421.51* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *62,421.51* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *32,353.99* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *77,455.27* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *77,455.27* | |
| | | *For 2 Coils, Independent Circuits, Add* | *20,326.99* | |
| 23 73 13 00-0085 | EA | 50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 186,219.72 | 16,960.68 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,326.03* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *17,408.96* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *25,992.13* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *42,915.88* | |
| | | *For Manual Roll Filter, Add* | *67,209.79* | |
| | | *For Automatic Roll Filter, Add* | *83,405.73* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *18,621.97* | |
| | | *For Electric Heating Coil, Add* | *21,861.16* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *67,209.79* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *67,209.79* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *34,817.91* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *83,405.73* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *83,405.73* | |
| | | *For 2 Coils, Independent Circuits, Add* | *21,861.16* | |
| 23 73 13 00-0086 | EA | 55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 200,624.83 | 18,005.65 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,470.87* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *18,777.05* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *28,037.03* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *46,299.91* | |
| | | *For Manual Roll Filter, Add* | *72,537.33* | |
| | | *For Automatic Roll Filter, Add* | *90,028.94* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *20,062.48* | |
| | | *For Electric Heating Coil, Add* | *23,560.81* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *72,537.33* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *72,537.33* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *37,554.10* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *90,028.94* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *90,028.94* | |
| | | *For 2 Coils, Independent Circuits, Add* | *23,560.81* | |
| 23 73 13 00-0087 | EA | 60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan | 215,297.49 | 18,487.95 |
| | | *For Economizer, Panel, Controls And Damper(s), Add* | *4,536.45* | |
| | | *For Flat Filter Box And Throwaway Filters, Add* | *20,211.52* | |
| | | *For Medium Capacity Filter Box And Throwaway Filters, Add* | *30,185.46* | |
| | | *For Combination Filter Mixing Box And Throwaway Filters, Add* | *49,869.70* | |
| | | *For Manual Roll Filter, Add* | *78,209.65* | |
| | | *For Automatic Roll Filter, Add* | *97,102.95* | |
| | | *For Hot Water Heating Coil, Aluminum Fins, Add* | *21,529.75* | |
| | | *For Electric Heating Coil, Add* | *25,308.41* | |
| | | *For Chilled Water Cooling Coil, Aluminum Fins, Add* | *78,209.65* | |
| | | *For Direct Expansion Cooling Coil, Aluminum Fins, Add* | *78,209.65* | |
| | | *For Steam Heating Coil, Aluminum Fins, Add* | *40,423.05* | |
| | | *For Chilled Water Cooling Coil, Copper Fins, Add* | *97,102.95* | |
| | | *For Direct Expansion Cooling Coil, Copper Fins, Add* | *97,102.95* | |
| | | *For 2 Coils, Independent Circuits, Add* | *25,308.41* | |

## 23 73 13 00-0088 Return/Supply Air Fan *(23 73 13)*

Note: Includes vibration mounts.

| | | | | |
|---|---|---|---|---|
| 23 73 13 00-0089 | EA | 300 CFM Return Air Fan | 3,624.33 | 642.94 |
| 23 73 13 00-0090 | EA | 500 CFM Return Air Fan | 4,707.38 | 771.56 |
| 23 73 13 00-0091 | EA | 750 CFM Return Air Fan | 4,917.32 | 803.71 |
| 23 73 13 00-0092 | EA | 1,000 CFM Return Air Fan | 5,620.81 | 851.93 |
| 23 73 13 00-0093 | EA | 1,250 CFM Return Air Fan | 5,790.18 | 892.13 |
| 23 73 13 00-0094 | EA | 1,500 CFM Return Air Fan | 5,922.09 | 932.32 |
| 23 73 13 00-0095 | EA | 1,750 CFM Return Air Fan | 6,215.06 | 980.55 |
| 23 73 13 00-0096 | EA | 2,000 CFM Return Air Fan | 6,918.52 | 1,028.78 |
| 23 73 13 00-0097 | EA | 2,250 CFM Return Air Fan | 7,248.69 | 1,077.00 |
| 23 73 13 00-0098 | EA | 2,500 CFM Return Air Fan | 7,429.60 | 1,125.24 |
| 23 73 13 00-0099 | EA | 3,000 CFM Return Air Fan | 7,862.76 | 1,245.81 |
| 23 73 13 00-0100 | EA | 3,500 CFM Return Air Fan | 8,066.82 | 1,310.12 |
| 23 73 13 00-0101 | EA | 4,000 CFM Return Air Fan | 8,259.13 | 1,366.38 |
| 23 73 13 00-0102 | EA | 4,500 CFM Return Air Fan | 8,500.49 | 1,430.80 |
| 23 73 13 00-0103 | EA | 5,000 CFM Return Air Fan | 8,715.66 | 1,503.15 |
| 23 73 13 00-0104 | EA | 5,500 CFM Return Air Fan | 9,117.38 | 1,680.00 |
| 23 73 13 00-0105 | EA | 6,000 CFM Return Air Fan | 10,348.92 | 1,993.48 |
| 23 73 13 00-0106 | EA | 6,500 CFM Return Air Fan | 10,619.49 | 2,025.63 |
| 23 73 13 00-0107 | EA | 7,000 CFM Return Air Fan | 10,742.43 | 2,033.67 |
| 23 73 13 00-0108 | EA | 8,000 CFM Return Air Fan | 11,311.59 | 2,065.83 |
| 23 73 13 00-0109 | EA | 9,000 CFM Return Air Fan | 11,566.17 | 2,089.94 |
| 23 73 13 00-0110 | EA | 10,000 CFM Return Air Fan | 12,170.16 | 2,170.67 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 73 13 00-0111 | EA | 12,500 CFM Return Air Fan | 12,971.97 | 2,210.40 |
| 23 73 13 00-0112 | EA | 15,000 CFM Return Air Fan | 14,668.26 | 2,273.21 |
| 23 73 13 00-0113 | EA | 17,500 CFM Return Air Fan | 15,999.45 | 2,395.28 |
| 23 73 13 00-0114 | EA | 20,000 CFM Return Air Fan | 19,059.44 | 2,499.54 |
| 23 73 13 00-0115 | EA | 22,500 CFM Return Air Fan | 19,975.65 | 2,586.71 |
| 23 73 13 00-0116 | EA | 25,000 CFM Return Air Fan | 20,888.52 | 2,660.66 |
| 23 73 13 00-0117 | EA | 27,500 CFM Return Air Fan | 22,130.29 | 2,925.92 |
| 23 73 13 00-0118 | EA | 30,000 CFM Return Air Fan | 23,665.11 | 3,086.45 |
| 23 73 13 00-0119 | EA | 35,000 CFM Return Air Fan | 26,723.86 | 3,214.95 |
| 23 73 13 00-0120 | EA | 40,000 CFM Return Air Fan | 31,512.78 | 3,536.48 |
| 23 73 13 00-0121 | EA | 45,000 CFM Return Air Fan | 38,806.86 | 4,018.77 |
| 23 73 13 00-0122 | EA | 50,000 CFM Return Air Fan | 47,300.07 | 4,163.81 |
| 23 73 13 00-0123 | EA | 55,000 CFM Return Air Fan | 49,519.03 | 4,284.03 |
| 23 73 13 00-0124 | EA | 60,000 CFM Return Air Fan | 50,656.68 | 4,396.57 |
| 23 73 13 00-0125 | EA | 65,000 CFM Return Air Fan | 53,127.46 | 4,589.38 |
| 23 73 13 00-0126 | EA | 70,000 CFM Return Air Fan | 55,802.30 | 4,815.36 |
| 23 73 13 00-0127 | EA | 75,000 CFM Return Air Fan | 60,029.52 | 5,051.58 |
| 23 73 13 00-0128 | EA | 80,000 CFM Return Air Fan | 62,688.65 | 5,319.36 |
| 23 73 13 00-0129 | EA | 90,000 CFM Return Air Fan | 64,718.84 | 5,622.28 |
| 23 73 13 00-0130 | EA | 100,000 CFM Return Air Fan | 69,601.53 | 5,879.63 |
| 23 73 13 00-0131 | EA | 115,000 CFM Return Air Fan | 74,892.58 | 6,160.85 |
| 23 73 13 00-0132 | EA | 130,000 CFM Return Air Fan | 80,634.60 | 6,471.24 |
| 23 73 13 00-0133 | EA | 150,000 CFM Return Air Fan | 88,252.18 | 6,815.96 |

### 23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit *(23 73 13)*

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

| | | | | |
|---|---|---|---|---|
| 23 73 13 00-0135 | EA | Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit | 2,944.41 | |
| 23 73 13 00-0136 | EA | Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit | 3,994.15 | |
| 23 73 13 00-0137 | EA | Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit | 4,968.69 | |
| 23 73 13 00-0138 | EA | Removal And Reinstallation Of >22,000 CFM Air Handling Unit | 9,065.69 | |

## 23 74 Packaged Outdoor HVAC Equipment *(23 70)*

### 23 74 16 Packaged Rooftop Air-Conditioning Units *(23 74)*

#### 23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units *(23 74 16)*

### 23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

| | | | | |
|---|---|---|---|---|
| 23 74 16 13-0002 | EA | 2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 5,795.20 | 1,808.73 |
| | | *For Unit Without Heat, Deduct* | *-410.34* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,136.65* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0003 | EA | 3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 6,554.96 | 1,890.94 |
| | | *For Unit Without Heat, Deduct* | *-453.81* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,136.65* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0004 | EA | 4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 7,825.75 | 1,973.16 |
| | | *For Unit Without Heat, Deduct* | *-522.83* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,136.65* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0005 | EA | 5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 9,349.92 | 2,096.48 |
| | | *For Unit Without Heat, Deduct* | *-607.26* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,136.65* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0006 | EA | 6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 10,128.01 | 2,219.80 |
| | | *For Unit Without Heat, Deduct* | *-654.39* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,136.65* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0007 | EA | 7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 11,784.42 | 2,384.23 |
| | | *For Unit Without Heat, Deduct* | *-748.17* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,160.14* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0008 | EA | 8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 14,130.16 | 2,507.55 |
| | | *For Unit Without Heat, Deduct* | *-873.68* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,160.14* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0009 | EA | 10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 14,897.30 | 2,671.99 |
| | | *For Unit Without Heat, Deduct* | *-923.00* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,186.42* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0010 | EA | 12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 18,288.09 | 2,887.38 |
| | | *For Unit Without Heat, Deduct* | *-1,106.92* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,281.34* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0011 | EA | 15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 19,855.89 | 3,103.61 |
| | | *For Unit Without Heat, Deduct* | *-1,199.70* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0012 | EA | 17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 22,691.65 | 3,319.29 |
| | | *For Unit Without Heat, Deduct* | *-1,355.88* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0013 | EA | 20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 25,592.75 | 3,535.24 |
| | | *For Unit Without Heat, Deduct* | *-1,515.32* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0014 | EA | 22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 28,485.74 | 3,894.80 |
| | | *For Unit Without Heat, Deduct* | *-1,683.95* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0015 | EA | 25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 30,389.82 | 4,254.62 |
| | | *For Unit Without Heat, Deduct* | *-1,803.13* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0016 | EA | 27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 32,646.82 | 4,655.56 |
| | | *For Unit Without Heat, Deduct* | *-1,942.70* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-1,381.43* | |
| 23 74 16 13-0017 | EA | 30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 35,646.86 | 5,056.21 |
| | | *For Unit Without Heat, Deduct* | *-2,119.42* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-1,381.43* | |
| 23 74 16 13-0018 | EA | 35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 41,333.41 | 5,898.91 |
| | | *For Unit Without Heat, Deduct* | *-2,459.93* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-1,381.43* | |
| 23 74 16 13-0019 | EA | 40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 47,443.08 | 6,741.62 |
| | | *For Unit Without Heat, Deduct* | *-2,821.60* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,102.00* | |
| 23 74 16 13-0020 | EA | 45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 51,905.45 | 7,604.88 |
| | | *For Unit Without Heat, Deduct* | *-3,102.26* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,102.00* | |
| 23 74 16 13-0021 | EA | 50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 59,854.84 | 8,468.14 |
| | | *For Unit Without Heat, Deduct* | *-3,557.28* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,102.00* | |
| 23 74 16 13-0022 | EA | 55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 66,655.55 | 9,290.28 |
| | | *For Unit Without Heat, Deduct* | *-3,952.13* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,614.79* | |
| 23 74 16 13-0023 | EA | 60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 72,076.28 | 10,112.43 |
| | | *For Unit Without Heat, Deduct* | *-4,277.98* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,614.79* | |
| 23 74 16 13-0024 | EA | 65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 77,251.94 | 10,934.58 |
| | | *For Unit Without Heat, Deduct* | *-4,591.57* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,659.12* | |
| 23 74 16 13-0025 | EA | 70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 83,078.13 | 11,756.73 |
| | | *For Unit Without Heat, Deduct* | *-4,937.69* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,659.12* | |
| 23 74 16 13-0026 | EA | 75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit | 89,993.87 | 12,661.09 |
| | | *For Unit Without Heat, Deduct* | *-5,343.77* | |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,960.59* | |

### 23 74 16 13-0027 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.

| | | | | |
|---|---|---|---|---|
| 23 74 16 13-0028 | EA | 2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit | 5,678.56 | 1,644.29 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,136.65* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0029 | EA | 3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit | 6,629.91 | 1,890.94 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,136.65* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0030 | EA | 4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit | 8,359.53 | 2,178.69 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,136.65* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0031 | EA | 5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit | 9,489.19 | 2,343.13 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,136.65* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0032 | EA | 6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit | 10,739.74 | 2,528.11 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,136.65* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0033 | EA | 7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit | 12,570.96 | 2,651.43 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,160.14* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0034 | EA | 8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit | 15,674.73 | 2,199.24 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,160.14* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0035 | EA | 10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit | 16,131.07 | 2,959.74 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,186.42* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0036 | EA | 12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit | 20,156.63 | 3,206.38 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-1,281.34* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0037 | EA | 15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit | 21,926.54 | 3,453.03 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0038 | EA | 17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit | 25,481.86 | 3,699.67 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0039 | EA | 20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit | 32,288.76 | 3,946.31 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0040 | EA | 22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit | 39,420.35 | 4,357.39 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0041 | EA | 25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit | 46,551.95 | 4,713.65 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0042 | EA | 27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit | 47,966.30 | 5,179.54 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-1,381.43* | |
| 23 74 16 13-0043 | EA | 30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit | 50,080.07 | 5,590.62 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-1,381.43* | |
| 23 74 16 13-0044 | EA | 35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit | 55,762.88 | 6,536.08 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-1,381.43* | |
| 23 74 16 13-0045 | EA | 40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit | 61,974.09 | 7,481.55 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,102.00* | |
| 23 74 16 13-0046 | EA | 45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit | 67,084.69 | 8,427.03 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,102.00* | |
| 23 74 16 13-0047 | EA | 50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit | 71,633.82 | 9,372.49 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,102.00* | |
| 23 74 16 13-0048 | EA | 55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit | 78,786.53 | 10,317.96 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,614.79* | |
| 23 74 16 13-0049 | EA | 60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit | 85,637.91 | 11,263.44 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,614.79* | |
| 23 74 16 13-0050 | EA | 65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit | 92,422.73 | 11,736.17 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,659.12* | |
| 23 74 16 13-0051 | EA | 70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit | 99,281.89 | 12,188.36 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,659.12* | |
| 23 74 16 13-0052 | EA | 75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit | 109,144.84 | 12,661.09 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,960.59* | |
| 23 74 16 13-0053 | EA | 80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit | 103,889.17 | 13,154.38 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,960.59* | |
| 23 74 16 13-0054 | EA | 90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit | 150,125.19 | 15,456.39 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,960.59* | |
| 23 74 16 13-0055 | EA | 100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit | 169,084.47 | 18,827.21 |
| | | *For Unit Without Factory Installed Economizer, Deduct* | *-2,422.12* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,960.59* | |

### 23 74 16 13-0056 Dedicated Outdoor Air Systems (DOAS) Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER minimum, units 5 to < 20 tons have 11 EER minimum, and units 20 tons and over have 10 EER minimum, Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 07 72 13 00-0000 for roof curbs, 23 09 23 00-0000 for controls, 26 28 16 16-0001 for disconnects.


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0057 | | **AAON RQ Rooftop Units** *(23 74 16 13-0056)*<br>Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment. | | |
| 23 74 16 13-0058 | EA | 2 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-002) | 14,544.92 | 1,644.29 |
| | | *For Factory Installed And Wired Dry Bulb Economizer, Add* | *1,564.12* | |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *1,696.97* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,336.02* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,529.03* | |
| | | *For Factory Installed Exhaust Fan, Add* | *7,795.53* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,819.79* | |
| 23 74 16 13-0059 | EA | 3 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-003) | 15,851.36 | 1,890.94 |
| | | *For Factory Installed And Wired Dry Bulb Economizer, Add* | *1,676.92* | |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *1,819.79* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,431.27* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,639.32* | |
| | | *For Factory Installed Exhaust Fan, Add* | *7,795.53* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,819.79* | |
| 23 74 16 13-0060 | EA | 4 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-004) | 16,458.11 | 2,178.69 |
| | | *For Factory Installed And Wired Dry Bulb Economizer, Add* | *1,676.92* | |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *1,819.79* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,431.27* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,639.32* | |
| | | *For Factory Installed Exhaust Fan, Add* | *7,795.53* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,819.79* | |
| 23 74 16 13-0061 | EA | 5 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-005) | 16,875.37 | 2,343.13 |
| | | *For Factory Installed And Wired Dry Bulb Economizer, Add* | *1,676.92* | |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *1,819.79* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,431.27* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,639.32* | |
| | | *For Factory Installed Exhaust Fan, Add* | *7,795.53* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,819.79* | |
| 23 74 16 13-0062 | EA | 6 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-006) | 18,463.05 | 2,857.02 |
| | | *For Factory Installed And Wired Dry Bulb Economizer, Add* | *1,676.92* | |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *1,819.79* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,431.27* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,639.32* | |
| | | *For Factory Installed Exhaust Fan, Add* | *7,795.53* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,819.79* | |
| 23 74 16 13-0063 | | **AAON RNA Rooftop Units** *(23 74 16 13-0056)*<br>Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment. | | |
| 23 74 16 13-0064 | EA | 6 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-006) | 22,375.85 | 2,528.16 |
| | | *For Factory Installed And Wired Dry Bulb Economizer, Add* | *1,631.80* | |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *2,506.60* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,671.90* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,544.07* | |
| | | *For Factory Installed Exhaust Fan, Add* | *4,163.46* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,418.74* | |
| 23 74 16 13-0065 | EA | 7 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-007) | 23,891.34 | 2,651.49 |
| | | *For Factory Installed And Wired Dry Bulb Economizer, Add* | *1,631.80* | |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *2,506.60* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,671.90* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,544.07* | |
| | | *For Factory Installed Exhaust Fan, Add* | *4,163.46* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,418.74* | |
| 23 74 16 13-0066 | EA | 8 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-008) | 27,444.02 | 2,857.02 |
| | | *For Factory Installed And Wired Dry Bulb Economizer, Add* | *1,631.80* | |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *2,506.60* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,671.90* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,544.07* | |
| | | *For Factory Installed Exhaust Fan, Add* | *4,163.46* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,418.74* | |
| 23 74 16 13-0067 | EA | 10 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-010) | 27,713.89 | 2,959.74 |
| | | *For Factory Installed And Wired Dry Bulb Economizer, Add* | *1,631.80* | |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *2,506.60* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,671.90* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,544.07* | |
| | | *For Factory Installed Exhaust Fan, Add* | *4,163.46* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,418.74* | |
| 23 74 16 13-0068 | | **AAON RNB Rooftop Units** *(23 74 16 13-0056)*<br>Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0069 | EA | 9 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-009) | 32,915.09 | 2,959.74 |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *2,403.83* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,879.95* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,491.43* | |
| | | *For Factory Installed Exhaust Fan, Add* | *3,970.45* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,426.26* | |
| 23 74 16 13-0070 | EA | 11 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-011) | 33,173.94 | 2,877.52 |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *2,403.83* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,879.95* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,491.43* | |
| | | *For Factory Installed Exhaust Fan, Add* | *3,970.45* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,426.26* | |
| 23 74 16 13-0071 | EA | 13 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-013) | 36,164.14 | 3,206.38 |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *2,403.83* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,879.95* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,491.43* | |
| | | *For Factory Installed Exhaust Fan, Add* | *3,970.45* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,426.26* | |
| 23 74 16 13-0072 | EA | 15 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-015) | 37,074.53 | 3,453.03 |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *2,403.83* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *1,879.95* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,491.43* | |
| | | *For Factory Installed Exhaust Fan, Add* | *3,970.45* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *1,426.26* | |

## 23 74 16 13-0073 AAON RNC Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

| | | | | |
|---|---|---|---|---|
| 23 74 16 13-0074 | EA | 16 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-016) | 47,832.85 | 3,453.03 |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *3,549.35* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *2,506.60* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,491.43* | |
| | | *For Factory Installed Exhaust Fan, Add* | *7,281.67* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *649.21* | |
| 23 74 16 13-0075 | EA | 18 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-018) | 51,675.97 | 3,699.67 |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *3,549.35* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *2,506.60* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,491.43* | |
| | | *For Factory Installed Exhaust Fan, Add* | *7,281.67* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *649.21* | |
| 23 74 16 13-0076 | EA | 20 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-020) | 54,754.58 | 3,946.31 |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *3,549.35* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *2,506.60* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,491.43* | |
| | | *For Factory Installed Exhaust Fan, Add* | *7,281.67* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *649.21* | |
| 23 74 16 13-0077 | EA | 25 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-025) | 59,202.09 | 4,768.46 |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *3,549.35* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *2,506.60* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,491.43* | |
| | | *For Factory Installed Exhaust Fan, Add* | *7,281.67* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *649.21* | |
| 23 74 16 13-0078 | EA | 30 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-030) | 67,128.78 | 5,590.62 |
| | | *For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add* | *3,549.35* | |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *2,506.60* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *1,491.43* | |
| | | *For Factory Installed Exhaust Fan, Add* | *7,281.67* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *649.21* | |

## 23 74 16 13-0079 AAON RND Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

| | | | | |
|---|---|---|---|---|
| 23 74 16 13-0080 | EA | 26 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-026) | 90,100.95 | 4,768.46 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,133.25* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *3,393.94* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *4,762.54* | |
| 23 74 16 13-0081 | EA | 31 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-031) | 102,654.82 | 5,590.62 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,133.25* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *3,393.94* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *4,762.54* | |
| 23 74 16 13-0082 | EA | 40 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-040) | 120,889.95 | 7,481.55 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,133.25* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *3,393.94* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *4,762.54* | |
| 23 74 16 13-0083 | EA | 50 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-050) | 141,734.45 | 9,372.49 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,133.25* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *3,393.94* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *4,762.54* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0084 | EA | 60 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-060) | 155,623.13 | 11,263.44 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,133.25* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *3,393.94* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *4,762.54* | |
| 23 74 16 13-0085 | EA | 70 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-070) | 163,741.99 | 12,188.41 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,133.25* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *3,393.94* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *4,762.54* | |

### 23 74 16 13-0086 AAON RNE Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

| | | | | |
|---|---|---|---|---|
| 23 74 16 13-0087 | EA | 55 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-055) | 151,264.34 | 10,317.96 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,539.32* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *5,083.38* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *6,767.82* | |
| 23 74 16 13-0088 | EA | 65 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-065) | 166,603.20 | 11,736.22 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,539.32* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *5,083.38* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *6,767.82* | |
| 23 74 16 13-0089 | EA | 75 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-075) | 177,133.41 | 12,661.09 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,539.32* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *5,083.38* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *6,767.82* | |
| 23 74 16 13-0090 | EA | 95 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-090) | 214,274.75 | 17,141.80 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,539.32* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *5,083.38* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *6,767.82* | |
| 23 74 16 13-0091 | EA | 105 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-105) | 232,039.31 | 19,567.15 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,539.32* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *5,083.38* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *6,767.82* | |
| 23 74 16 13-0092 | EA | 120 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-120) | 270,649.89 | 21,540.29 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,539.32* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *5,083.38* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *6,767.82* | |
| 23 74 16 13-0093 | EA | 130 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-130) | 277,234.03 | 22,855.73 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,539.32* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *5,083.38* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *6,767.82* | |
| 23 74 16 13-0094 | EA | 140 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-140) | 290,474.32 | 25,568.84 |
| | | *For Factory Authorized Start Up, 4 Hour, One Trip, Add* | *3,539.32* | |
| | | *For Factory Installed Non-Fused Disconnect, Add* | *5,083.38* | |
| | | *For Hot Water Coil In Lieu Of Gas Heat, Add* | *6,767.82* | |

### 23 74 16 13-0095 Removal And Reinstallation Of Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Includes storage and cleaning.

| | | | |
|---|---|---|---|
| 23 74 16 13-0096 | EA | Removal And Reinstallation Of Up To 5 Ton, Rooftop Unit | 646.46 |
| 23 74 16 13-0097 | EA | Removal And Reinstallation Of >5 To 10 Ton, Rooftop Unit | 881.54 |
| 23 74 16 13-0098 | EA | Removal And Reinstallation Of >10 To 15 Ton, Rooftop Unit | 1,175.27 |
| 23 74 16 13-0099 | EA | Removal And Reinstallation Of >15 To 25 Ton, Rooftop Unit | 1,879.84 |
| 23 74 16 13-0100 | EA | Removal And Reinstallation Of >25 To 50 Ton, Rooftop Unit | 3,290.23 |
| 23 74 16 13-0101 | EA | Removal And Reinstallation Of >50 To 75 Ton, Rooftop Unit | 4,701.08 |

### 23 74 16 13-0102 Packaged Rooftop Units (Trane, Carrier Or Equal) *(23 74 16 13)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

### 23 74 16 13-0103 Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0102)*

### 23 74 16 13-0104 Standard Efficiency Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0103)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 74 16 13-0105 | EA | 3 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC036) | 11,428.08 | 1,890.94 |
| | | *For Factory Installed Economizer, Add* | *1,138.98* | |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| 23 74 16 13-0106 | EA | 4 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC048) | 12,726.72 | 2,178.69 |
| | | *For Factory Installed Economizer, Add* | *1,233.90* | |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0107 | EA | 5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC060) | 13,887.52 | 2,343.13 |
| | | *For Factory Installed Economizer, Add* | *1,233.90* | |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| 23 74 16 13-0108 | EA | 6 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC072) | 15,324.41 | 2,528.16 |
| | | *For Factory Installed Economizer, Add* | *1,233.90* | |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| 23 74 16 13-0109 | EA | 7.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC092) | 17,918.66 | 2,651.49 |
| | | *For Factory Installed Economizer, Add* | *1,233.90* | |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| 23 74 16 13-0110 | EA | 8.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC102) | 19,456.98 | 2,857.02 |
| | | *For Factory Installed Economizer, Add* | *1,233.90* | |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| 23 74 16 13-0111 | EA | 10 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC120) | 25,693.23 | 2,959.74 |
| | | *For Factory Installed Economizer, Add* | *1,233.90* | |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| 23 74 16 13-0112 | EA | 12.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD150) | 29,492.19 | 3,206.38 |
| | | *For Economizer, Add* | *2,172.66* | |
| | | *For Roof Curb, Add* | *840.13* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| 23 74 16 13-0113 | EA | 15 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD180) | 32,218.60 | 3,453.03 |
| | | *For Economizer, Add* | *2,172.66* | |
| | | *For Roof Curb, Add* | *840.13* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| 23 74 16 13-0114 | EA | 17.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD210) | 37,179.31 | 3,699.67 |
| | | *For Economizer, Add* | *2,172.66* | |
| | | *For Roof Curb, Add* | *840.13* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| 23 74 16 13-0115 | EA | 20 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD240) | 40,611.90 | 3,946.31 |
| | | *For Economizer, Add* | *2,172.66* | |
| | | *For Roof Curb, Add* | *840.13* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| 23 74 16 13-0116 | EA | 25 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD300) | 46,869.57 | 4,768.46 |
| | | *For Economizer, Add* | *2,172.66* | |
| | | *For Roof Curb, Add* | *840.13* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| 23 74 16 13-0117 | EA | 27.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD330) | 51,130.75 | 5,179.54 |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Economizer And Powered Exhaust, Add* | *4,858.16* | |
| | | *For Roof Curb, Add* | *1,471.89* | |
| 23 74 16 13-0118 | EA | 30 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD360) | 53,903.65 | 5,590.62 |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Economizer And Powered Exhaust, Add* | *4,858.16* | |
| | | *For Roof Curb, Add* | *1,471.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0119 | EA | 35 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD420) | 60,519.39 | 6,536.08 |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Economizer And Powered Exhaust, Add* | *4,858.16* | |
| | | *For Roof Curb, Add* | *1,471.89* | |
| 23 74 16 13-0120 | EA | 40 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD480) | 65,977.16 | 7,481.55 |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Economizer And Powered Exhaust, Add* | *4,858.16* | |
| | | *For Roof Curb, Add* | *1,678.65* | |
| 23 74 16 13-0121 | EA | 50 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD600) | 76,913.57 | 9,372.49 |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Economizer And Powered Exhaust, Add* | *4,858.16* | |
| | | *For Roof Curb, Add* | *1,678.65* | |
| 23 74 16 13-0122 | EA | 55 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF554) | 111,479.87 | 10,317.96 |
| | | *For Economizer And Powered Exhaust, Add* | *13,128.75* | |
| | | *For Roof Curb, Add* | *2,659.18* | |
| | | *For Factory Installed BACnet, Add* | *1,387.04* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| 23 74 16 13-0123 | EA | 60 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF604) | 120,043.26 | 11,263.44 |
| | | *For Economizer And Powered Exhaust, Add* | *14,867.29* | |
| | | *For Roof Curb, Add* | *2,960.63* | |
| | | *For Factory Installed BACnet, Add* | *1,387.04* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| 23 74 16 13-0124 | EA | 70 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF704) | 134,743.03 | 12,188.41 |
| | | *For Economizer And Powered Exhaust, Add* | *15,436.48* | |
| | | *For Roof Curb, Add* | *2,960.63* | |
| | | *For Factory Installed BACnet, Add* | *1,387.04* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| 23 74 16 13-0125 | EA | 75 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF754) | 145,918.40 | 12,661.09 |
| | | *For Roof Curb, Add* | *2,960.63* | |
| | | *For Factory Installed BACnet, Add* | *1,387.04* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Economizer And Powered Exhaust, Add* | *16,110.09* | |
| 23 74 16 13-0126 | EA | 90 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHKC904) | 175,933.13 | 15,456.39 |
| | | Note: Includes economizer, powered exhaust and roof curb. | | |
| | | *For Factory Installed BACnet, Add* | *1,387.04* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| 23 74 16 13-0127 | EA | 105 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHKD114) | 191,672.54 | 19,567.15 |
| | | Note: Includes economizer, powered exhaust and roof curb. | | |
| | | *For Factory Installed BACnet, Add* | *1,387.04* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |

## 23 74 16 13-0128 High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0103)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

| | | | | |
|---|---|---|---|---|
| 23 74 16 13-0129 | EA | 3 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC036) | 12,202.59 | 1,890.94 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| 23 74 16 13-0130 | EA | 4 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC048) | 13,827.74 | 2,178.69 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| 23 74 16 13-0131 | EA | 5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC060) | 15,132.81 | 2,343.13 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| 23 74 16 13-0132 | EA | 6 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC072) | 16,539.32 | 2,528.16 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0133 | EA | 7.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC092) | 23,828.07 | 2,651.49 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,160.16* | |
| 23 74 16 13-0134 | EA | 8.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC102) | 25,556.21 | 2,857.02 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,160.16* | |
| 23 74 16 13-0135 | EA | 10 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC120) | 27,838.31 | 2,959.74 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,186.44* | |
| 23 74 16 13-0136 | EA | 12.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD150) | 32,117.54 | 3,206.38 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *1,281.34* | |
| 23 74 16 13-0137 | EA | 15 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD180) | 35,935.38 | 3,453.03 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| 23 74 16 13-0138 | EA | 17.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD210) | 41,781.46 | 3,699.67 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| 23 74 16 13-0139 | EA | 20 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD240) | 46,023.01 | 3,946.31 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| 23 74 16 13-0140 | EA | 25 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD300) | 59,159.16 | 4,768.46 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| 23 74 16 13-0141 | EA | 30 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF304) | 69,141.31 | 5,590.62 |
| | | *For Factory Installed BACnet, Add* | *1,387.04* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Economizer And Powered Exhaust, Add* | *7,532.55* | |
| | | *For Roof Curb, Add* | *1,381.43* | |
| 23 74 16 13-0142 | EA | 40 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF404) | 83,904.32 | 7,481.55 |
| | | *For Factory Installed BACnet, Add* | *1,387.04* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Economizer And Powered Exhaust, Add* | *8,476.99* | |
| | | *For Roof Curb, Add* | *2,102.06* | |
| 23 74 16 13-0143 | EA | 50 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF504) | 104,301.30 | 9,372.49 |
| | | *For Factory Installed BACnet, Add* | *1,387.04* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Economizer And Powered Exhaust, Add* | *12,431.49* | |
| | | *For Roof Curb, Add* | *2,102.06* | |
| 23 74 16 13-0144 | EA | 55 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF554) | 115,751.23 | 10,317.96 |
| | | *For Economizer And Powered Exhaust, Add* | *13,128.75* | |
| | | *For Factory Installed BACnet, Add* | *1,387.04* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Roof Curb, Add* | *2,614.83* | |
| 23 74 16 13-0145 | EA | 60 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF604) | 122,965.88 | 11,263.44 |
| | | *For Economizer And Powered Exhaust, Add* | *14,867.29* | |
| | | *For Factory Installed BACnet, Add* | *1,387.04* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Roof Curb, Add* | *2,614.83* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0146 | EA | 70 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF704) | 137,709.69 | 12,188.41 |
| | | *For Economizer And Powered Exhaust, Add* | *15,436.48* | |
| | | *For Roof Curb, Add* | *2,659.18* | |
| | | *For Factory Installed BACnet, Add* | *1,387.04* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| 23 74 16 13-0147 | | Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0102)* | | |
| | | Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects. | | |
| 23 74 16 13-0148 | EA | 3 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC036E) | 9,043.99 | 1,701.85 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| | | *For Factory Installed BACnet, Add* | *2,265.70* | |
| | | *For Demand Control Ventilation, Add* | *2,502.75* | |
| 23 74 16 13-0149 | EA | 4 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC048F) | 10,109.44 | 1,960.88 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| | | *For Factory Installed BACnet, Add* | *2,705.29* | |
| | | *For Demand Control Ventilation, Add* | *2,502.75* | |
| 23 74 16 13-0150 | EA | 5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC060E) | 11,044.35 | 2,108.86 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| | | *For Factory Installed BACnet, Add* | *2,705.29* | |
| | | *For Demand Control Ventilation, Add* | *2,502.75* | |
| 23 74 16 13-0151 | EA | 6 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC072F) | 12,357.03 | 2,275.27 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| | | *For Factory Installed BACnet, Add* | *2,705.29* | |
| | | *For Demand Control Ventilation, Add* | *2,502.75* | |
| 23 74 16 13-0152 | EA | 7.5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC090F) | 14,416.34 | 2,386.32 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Economizer, Add* | *1,160.16* | |
| | | *For Factory Installed BACnet, Add* | *2,904.75* | |
| | | *For Demand Control Ventilation, Add* | *2,559.74* | |
| 23 74 16 13-0153 | EA | 8.5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC102F) | 15,670.65 | 2,571.24 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Economizer, Add* | *1,160.16* | |
| | | *For Factory Installed BACnet, Add* | *2,904.75* | |
| | | *For Demand Control Ventilation, Add* | *2,559.74* | |
| 23 74 16 13-0154 | EA | 10 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC120F) | 17,185.30 | 2,663.76 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Economizer, Add* | *1,186.44* | |
| | | *For Factory Installed BACnet, Add* | *2,904.75* | |
| | | *For Demand Control Ventilation, Add* | *2,559.74* | |
| 23 74 16 13-0155 | EA | 12.5 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ*150F) | 19,229.17 | 2,885.75 |
| | | Note: * = Downflow or Horizontal | | |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Economizer, Add* | *1,281.34* | |
| | | *For Factory Installed BACnet, Add* | *3,873.00* | |
| | | *For Demand Control Ventilation, Add* | *3,131.61* | |
| 23 74 16 13-0156 | EA | 15 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ*180F) | 21,683.81 | 3,107.72 |
| | | Note: * = Downflow or Horizontal | | |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| | | *For Factory Installed BACnet, Add* | *3,873.00* | |
| | | *For Demand Control Ventilation, Add* | *3,131.61* | |
| 23 74 16 13-0157 | EA | 17.5 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ*210F) | 26,761.39 | 3,329.70 |
| | | Note: * = Downflow or Horizontal | | |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| | | *For Factory Installed BACnet, Add* | *3,873.00* | |
| | | *For Demand Control Ventilation, Add* | *3,131.61* | |
| 23 74 16 13-0158 | EA | 20 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager TH*240) | 30,214.72 | 3,551.68 |
| | | Note: * = Downflow or Horizontal | | |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| | | *For Factory Installed BACnet, Add* | *5,406.05* | |
| | | *For Demand Control Ventilation, Add* | *3,131.61* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0159 | EA | 25 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager TH*300) | 35,571.92 | 4,291.61 |
| | | Note: * = Downflow or Horizontal | | |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| | | *For Factory Installed BACnet, Add* | *5,406.05* | |
| | | *For Demand Control Ventilation, Add* | *3,539.51* | |
| 23 74 16 13-0160 | EA | 55 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*55) | 100,897.39 | 9,286.22 |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| | | *For Roof Curb, Add* | *2,614.83* | |
| | | *For Demand Control Ventilation, Add* | *4,997.33* | |
| | | *For Factory Installed BACnet, Add* | *14,200.99* | |
| 23 74 16 13-0161 | EA | 60 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*60) | 110,078.84 | 10,137.10 |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| | | *For Roof Curb, Add* | *2,614.83* | |
| | | *For Demand Control Ventilation, Add* | *4,997.33* | |
| | | *For Factory Installed BACnet, Add* | *14,200.99* | |
| 23 74 16 13-0162 | EA | 70 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*70) | 121,661.68 | 10,969.55 |
| | | *For Roof Curb, Add* | *2,659.18* | |
| | | *For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add* | *2,133.90* | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| | | *For Demand Control Ventilation, Add* | *8,224.52* | |
| | | *For Factory Installed BACnet, Add* | *14,200.99* | |

## 23 74 16 13-0163 Cooling Only DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0102)*

See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

## 23 74 16 13-0164 High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0163)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0165 | EA | 3 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC036) | 7,912.74 | 1,701.85 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed Electric Heat, Add* | *1,017.49* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| 23 74 16 13-0166 | EA | 4 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC048) | 9,003.56 | 1,960.88 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed Electric Heat, Add* | *1,017.49* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| 23 74 16 13-0167 | EA | 5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC060) | 9,842.89 | 2,108.86 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed Electric Heat, Add* | *1,017.49* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| 23 74 16 13-0168 | EA | 6 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC072) | 10,661.29 | 2,275.27 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For Factory Installed Electric Heat, Add* | *1,017.49* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| 23 74 16 13-0169 | EA | 7.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC092) | 14,168.51 | 2,386.32 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Electric Heat, Add* | *1,235.79* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,160.16* | |
| 23 74 16 13-0170 | EA | 8.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC102) | 15,186.26 | 2,571.24 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Electric Heat, Add* | *1,235.79* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,160.16* | |
| 23 74 16 13-0171 | EA | 10 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC120) | 16,491.27 | 2,663.76 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Electric Heat, Add* | *1,235.79* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,186.44* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0172 | EA | 12.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD150) | 20,273.33 | 2,885.75 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Electric Heat, Add* | *1,427.52* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *1,281.34* | |
| 23 74 16 13-0173 | EA | 15 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD180) | 21,511.76 | 3,107.72 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Electric Heat, Add* | *1,427.52* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| 23 74 16 13-0174 | EA | 17.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD210) | 25,221.51 | 3,329.70 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Electric Heat, Add* | *1,647.72* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| 23 74 16 13-0175 | EA | 20 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD240) | 27,364.56 | 3,551.68 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Electric Heat, Add* | *1,647.72* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| 23 74 16 13-0176 | EA | 25 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD300) | 30,182.64 | 4,291.61 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For Factory Installed Electric Heat, Add* | *1,647.72* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |

### 23 74 16 13-0177 Heat Pump Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0102)*

See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

### 23 74 16 13-0178 Standard Efficiency Heat Pump Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0177)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0179 | EA | 3 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC036) | 8,601.39 | 1,701.85 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For High Efficiency, Add* | *775.70* | |
| | | *For Factory Installed Electric Heat, Add* | *1,017.49* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| 23 74 16 13-0180 | EA | 4 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC048) | 9,526.09 | 1,960.88 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For High Efficiency, Add* | *846.68* | |
| | | *For Factory Installed Electric Heat, Add* | *1,017.49* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| 23 74 16 13-0181 | EA | 5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC060) | 10,462.46 | 2,108.86 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For High Efficiency, Add* | *937.21* | |
| | | *For Factory Installed Electric Heat, Add* | *1,017.49* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| 23 74 16 13-0182 | EA | 6 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC072) | 11,423.52 | 2,275.27 |
| | | *For Roof Curb, Add* | *747.95* | |
| | | *For High Efficiency, Add* | *1,027.75* | |
| | | *For Factory Installed Electric Heat, Add* | *1,017.49* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,136.67* | |
| 23 74 16 13-0183 | EA | 7.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC090) | 12,856.09 | 2,386.32 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For High Efficiency, Add* | *1,185.11* | |
| | | *For Factory Installed Electric Heat, Add* | *1,235.79* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,160.16* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0184 | EA | 8.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC102) | 15,293.33 | 2,571.24 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For High Efficiency, Add* | *1,453.46* | |
| | | *For Factory Installed Electric Heat, Add* | *1,235.79* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,160.16* | |
| 23 74 16 13-0185 | EA | 10 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC120) | 17,607.23 | 2,663.76 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For High Efficiency, Add* | *1,721.80* | |
| | | *For Factory Installed Electric Heat, Add* | *1,235.79* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *1,816.47* | |
| | | *Note: Includes CO2 wall mounted sensor.* | | |
| | | *For Factory Installed Economizer, Add* | *1,186.44* | |
| 23 74 16 13-0186 | EA | 12.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WCD150) | 21,971.09 | 2,885.75 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For High Efficiency, Add* | *2,220.12* | |
| | | *For Factory Installed Electric Heat, Add* | *1,427.52* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *1,281.34* | |
| 23 74 16 13-0187 | EA | 15 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WCD180) | 23,981.07 | 3,107.72 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For High Efficiency, Add* | *2,430.09* | |
| | | *For Factory Installed Electric Heat, Add* | *1,427.52* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |
| 23 74 16 13-0188 | EA | 20 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WCD240) | 31,607.93 | 3,551.68 |
| | | *For Roof Curb, Add* | *897.53* | |
| | | *For High Efficiency, Add* | *3,291.86* | |
| | | *For Factory Installed Electric Heat, Add* | *1,647.72* | |
| | | *For Factory Installed BACnet, Add* | *1,004.45* | |
| | | *For Demand Control Ventilation, Add* | *2,243.25* | |
| | | *Note: Includes ventilation module and CO2 wall mounted sensor kit.* | | |
| | | *For Factory Installed Economizer, Add* | *2,422.14* | |

## 23 74 16 13-0189 Trane Curb Adapters *(23 74 16 13)*

Note: All adapter selections assume the existing unit rests on a factory standard curb. The new unit reference is based on current Trane units, Precedent and Voyager II models only. The existing unit reference is based on Trane, Carrier, York or Lennox units only. Non-standard L-shape and/or duct shroud configurations were not considered. Trane Intellipak or Voyager III footprints are not considered. Some units have larger than normal sizes or multiple footprints possible, which were not considered. Step-sized replacements (installing new unit that is either larger or smaller capacity than existing) are not considered.

| | | | |
|---|---|---|---|
| 23 74 16 13-0190 | EA | 3 To 5 Ton, Trane Curb Adapter | 1,637.25 |
| 23 74 16 13-0191 | EA | 6 To 7-1/2 Ton, Trane Curb Adapter | 2,139.48 |
| 23 74 16 13-0192 | EA | 8-1/2 To 10 Ton, Trane Curb Adapter | 2,239.92 |
| 23 74 16 13-0193 | EA | 12-1/2 Ton, Standard Efficiency, Trane Curb Adapter | 2,450.86 |
| 23 74 16 13-0194 | EA | 12-1/2 Ton, High Efficiency, Trane Curb Adapter | 2,501.08 |
| 23 74 16 13-0195 | EA | 15 Ton, Trane Curb Adapter | 2,742.15 |
| 23 74 16 13-0196 | EA | 17-1/2 Ton, Trane Curb Adapter | 2,762.24 |
| 23 74 16 13-0197 | EA | 20 Ton, Trane Curb Adapter | 3,083.66 |
| 23 74 16 13-0198 | EA | 25 Ton, Trane Curb Adapter | 3,515.58 |

## 23 74 16 13-0199 Condenser Coil Guards *(23 74 16 13)*

| | | | | |
|---|---|---|---|---|
| 23 74 16 13-0200 | EA | Condenser Coil Guard (Trane BAYGARD058A)<br>Note: Coil Guard for TTA/TWA061, TTA/TWA073, TTA/TWA076 and CTA/TTA/TWA090 Condenser Coils. | 1,130.93 | 88.14 |
| 23 74 16 13-0201 | EA | Condenser Coil Guard (Trane BAYGARD059A)<br>Note: Coil Guard for TTA086, TTA101 and CTA/TTA120 Condenser Coils. | 1,437.90 | 102.83 |
| 23 74 16 13-0202 | EA | Condenser Coil Guard (Trane BAYGARD060A)<br>Note: Coil Guard for TWA101, TWA120, TTA126 and TTA150 Condenser Coils. | 1,534.97 | 117.52 |
| 23 74 16 13-0203 | EA | Condenser Coil Guard (Trane BAYGARD061A)<br>Note: Coil Guard for TTA/TWA156, CTA/TTA/TWA180, TTA/TWA201 and TTA/TWA240 Condenser Coils. | 2,048.42 | 132.21 |
| 23 74 16 13-0204 | EA | Condenser Coil Guard (Trane BAYGARD062A)<br>Note: Coil Guard for TTA300 and TTA251 Split-System Air Conditioners. | 2,274.15 | 146.90 |

## 23 74 16 13-0205 Heat Pump, Packaged Rooftop Heat Pump Units *(23 74 16 13)*

See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

## 23 74 16 13-0206 Packaged Rooftop Heat Pump Units *(23 74 16 13-0205)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

| | | | | |
|---|---|---|---|---|
| 23 74 16 13-0207 | EA | 2 Ton Packaged Rooftop Heat Pump | 6,822.78 | 1,479.87 |
| | | *For Economizer With Outside Air Control, Add* | *2,005.00* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *242.48* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0208 | EA | 2.5 Ton Packaged Rooftop Heat Pump | 7,183.93 | 1,590.91 |
| | | *For Economizer With Outside Air Control, Add* | *2,123.76* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *253.14* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0209 | EA | 3 Ton Packaged Rooftop Heat Pump | 7,598.38 | 1,701.85 |
| | | *For Economizer With Outside Air Control, Add* | *2,253.71* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *266.46* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0210 | EA | 3.5 Ton Packaged Rooftop Heat Pump | 8,153.86 | 1,831.30 |
| | | *For Economizer With Outside Air Control, Add* | *2,191.94* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *285.60* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0211 | EA | 4 Ton Packaged Rooftop Heat Pump | 8,709.59 | 1,960.88 |
| | | *For Economizer With Outside Air Control, Add* | *2,343.40* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *304.76* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0212 | EA | 5 Ton Packaged Rooftop Heat Pump | 9,334.98 | 2,108.86 |
| | | *For Economizer With Outside Air Control, Add* | *2,514.82* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *260.93* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0213 | EA | 6 Ton Packaged Rooftop Heat Pump | 10,502.04 | 2,275.27 |
| | | *For Economizer With Outside Air Control, Add* | *2,786.48* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *224.05* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0214 | EA | 7.5 Ton Packaged Rooftop Heat Pump | 13,502.65 | 2,386.32 |
| | | *For Economizer With Outside Air Control, Add* | *2,829.37* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *309.63* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0215 | EA | 8.5 Ton Packaged Rooftop Heat Pump | 15,102.61 | 2,571.24 |
| | | *For Economizer With Outside Air Control, Add* | *2,998.35* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *350.23* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0216 | EA | 10 Ton Packaged Rooftop Heat Pump | 16,237.78 | 2,663.76 |
| | | *For Economizer With Outside Air Control, Add* | *3,044.45* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *253.72* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0217 | EA | 12.5 Ton Packaged Rooftop Heat Pump | 18,836.17 | 2,885.75 |
| | | *For Economizer With Outside Air Control, Add* | *3,422.68* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *299.77* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0218 | EA | 15 Ton Packaged Rooftop Heat Pump | 21,434.58 | 3,107.72 |
| | | *For Economizer With Outside Air Control, Add* | *3,800.91* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *345.82* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0219 | EA | 17.5 Ton Packaged Rooftop Heat Pump | 24,005.69 | 3,329.70 |
| | | *For Economizer With Outside Air Control, Add* | *4,176.41* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *391.32* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0220 | EA | 20 Ton Packaged Rooftop Heat Pump | 26,576.78 | 3,551.68 |
| | | *For Economizer With Outside Air Control, Add* | *4,551.91* | |
| | | *For Upgrade Of Economizer To OS Air Enthalpy Control, Add* | *436.82* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |

### 23 74 16 13-0221 Heating Only Packaged Rooftop Units *(23 74 16 13-0205)*

Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

| | | | | |
|---|---|---|---|---|
| 23 74 16 13-0222 | EA | 24 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 6,920.19 | 1,479.87 |
| | | *For Gas Heat, Add* | *444.95* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0223 | EA | 32 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 8,130.61 | 1,701.85 |
| | | *For Gas Heat, Add* | *523.76* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0224 | EA | 45 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 11,129.33 | 1,960.88 |
| | | *For Gas Heat, Add* | *726.76* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0225 | EA | 60 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 12,555.89 | 2,108.86 |
| | | *For Gas Heat, Add* | *822.68* | |
| | | *For Unit Without Roof Curb, Deduct* | *-747.91* | |
| 23 74 16 13-0226 | EA | 95 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 14,754.76 | 2,386.32 |
| | | *For Gas Heat, Add* | *969.20* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0227 | EA | 112 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 16,620.44 | 2,571.24 |
| | | *For Gas Heat, Add* | *1,094.86* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0228 | EA | 140 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 19,670.00 | 2,663.76 |
| | | *For Gas Heat, Add* | *1,305.87* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0229 | EA | 170 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 25,550.78 | 3,107.72 |
| | | *For Gas Heat, Add* | *1,705.68* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0230 | EA | 200 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 33,747.01 | 3,329.70 |
| | | *For Gas Heat, Add* | *2,273.50* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 16 13-0231 | EA | 230 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 39,394.77 | 3,551.68 |
| | | *For Gas Heat, Add* | *2,662.92* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0232 | EA | 270 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 51,227.24 | 3,921.65 |
| | | *For Gas Heat, Add* | *3,481.33* | |
| | | *For Unit Without Roof Curb, Deduct* | *-897.53* | |
| 23 74 16 13-0233 | EA | 330 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 64,065.72 | 4,990.44 |
| | | *For Gas Heat, Add* | *4,360.29* | |
| | | *For Unit Without Roof Curb, Deduct* | *-1,381.43* | |
| 23 74 16 13-0234 | EA | 360 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 71,618.26 | 5,031.55 |
| | | *For Gas Heat, Add* | *4,879.10* | |
| | | *For Unit Without Roof Curb, Deduct* | *-1,381.43* | |
| 23 74 16 13-0235 | EA | 450 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 87,202.66 | 5,882.53 |
| | | *For Gas Heat, Add* | *5,947.32* | |
| | | *For Unit Without Roof Curb, Deduct* | *-1,381.43* | |
| 23 74 16 13-0236 | EA | 540 MBH Electric Heating Only, Self Contained Package Rooftop Unit | 113,096.10 | 7,584.38 |
| | | *For Gas Heat, Add* | *7,714.48* | |
| | | *For Unit Without Roof Curb, Deduct* | *-2,102.00* | |

### 23 74 16 13-0237 Air-Cooled Condensing Units + Performance Climate Changer-Air Handling Units *(23 74 16 13)*

See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 74 16 13-0238 | EA | 25 Ton, Air-Cooled Condensing Units + Performance Climate Changer-Air Handling Units | 174,469.58 | 4,485.90 |
| 23 74 16 13-0239 | EA | 40 Ton, Air-Cooled Condensing Units + Performance Climate Changer-Air Handling Units | 263,035.44 | 7,102.68 |
| 23 74 16 13-0240 | EA | Seismic Isolated Roof Curb For 25 To 40 Ton Custom Roof-Top Unit (Vibrex VIC-EQ-SS)<br>Note: Includes 3" deflection springs | 17,095.46 | |
| 23 74 16 13-0241 | EA | Seismic Isolated Roof Curb For 25 To 40 Ton Outdoor Condensing Unit (Vibrex RMLS-EQ)<br>Note: Includes 3" deflection springs | 5,326.05 | |
| 23 74 16 13-0242 | EA | Up To 2,000 CFM, Variable Air Volume Box With Hot Water Coil | 2,080.15 | 82.80 |
| | | *For Filters And Frames, Add* | *6.30* | |
| 23 74 16 13-0243 | EA | Trane Controls: TRACER, INTEGRATION ( VAV with Air Handlers + HW Reheat ), BACNET CONTROLLER, & Exhaust Fan CONTROLLERS<br>Note: Includes controls for complete system; 3 Rooftop Units, 38 VAV, Exhaust Fans | 146,890.00 | |

### 23 74 16 13-0244 Custom Outdoor Double Duct, Dual Level, Air Handler *(23 74 16 13)*

Note: With service platform See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 74 16 13-0245 | EA | 160 Ton, Custom Outdoor Double Duct, Dual Level, Air Handler (Temtrol Model WFII)<br>Note: Blow-Thru Stacked Double Duct unit, top/side return, Top Fan Wall Return, Mix Box, Pre filters, Supply Fanwall, CHW Coil (Cold deck), HW Coil (Hot Deck), Final Filters, and end discharge. Unit designed to have same footprint as existing AHU, confirmed and designed by P2S Inc. Unit: ? Integrated Frame (ITF) Construction, ? Manufactured in the United States. ? ETL listed. Electrical work in unit conforms with current NEC regulations. Unit Structure: ? 16 gauge tubular steel frame throughout casing, ? Fully welded perimeter structural tubular base frame coated with phenolic corrosion inhibitive finish. ? Base is fitted with lifting lugs as required, ? "Double Bottom" floor with heavy gauge C-Channel and Structural Angle support members. Casing, Roof, and Floor: ? 3" thick double wall casing panel construction, ? 0.063 Aluminum exterior panels, ? Interior liners are 0.040 solid aluminum, ? Unit casing panels are filled with 3" thick dual density fiberglass (R12.6 total), ? Thermal break construction, ? 6" Tall Foamed Base with 0.125 Aluminum treatdplate walk on surface and 20 gauge galvanized steel underliner. ? 4" Thick Foam Insulation in Floor, ? 2" thick double wall Access Doors with foam injected extruded door frames. ? Access doors to have TOSL. Each Fanwall Cube includes: Unit Fans : Each Fanwall Cube Incudes: a. o Individually Contained Fans: Direct Drive, Arrangement 4, b. o CoPlanar Perforated Silencer, o FBD Net Zero Effect Backdraft Damper, ? Baldor Super-E Premium Efficient Motors, ? Totalizer Airflow Monitoring (Air Flow Monitoring on every fan), ? ABB VFDs Factory Mounted and Wired — One ABB ACS320 VFD Per Fan Motor. Electrical: ? ABB Variable Frequency Drives, ? Single Point 460-3-60 Connection, ? 100 W Vapor proof marine lights in each section, ? (1) GFI duplex outlet, ? (1) 0-60 minute light switch, ? UV Lights on 120-1-60 circuit, ? Separate 120-1-60 power source provided to units, by others, at external J-box. Coils: ? CHW Cooling Coils ? 5/8" Tubes with 0.020 wall thickness ? 0.008" Aluminum Fins ? 0.020" Copper Tube Thiskness ? 304 stainless steel coil casings on all coils ? 304 stainless steel triple sloped condensate drain pans Filters: ? (1) Set 2" Thick Mery 8 Pre Filters ? (1) Set 12" Thick Mery 14 Final Filters ? "Type 8" galvanized steel filter frames ? Dwyer Magnehelic Filter Gauges Dampers and Louvers: ? Ruskin control damper for EXH, OSA & RA ? Min OSA Dampers include Paragon AFMS ? Ruskin Weatherproof Louvers for OSA ? Standard Louvers for EA Warranty and Startup: ? Parts Only Warranty: 12 Months from Startup or 18 Months from Shipment ? Startup Controls: ? All control devices (including control panels) are provided, installed, and started up by others in the field unless specifically mentioned above. ? Unit(s) are provided with one internal empty conduit along length of unit with JBoxes is each section for controls contractor's use in the field. | 597,242.43 | 13,706.93 |

## 23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

### 23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units *(23 74 23)*

#### 23 74 23 13-0001 Make-Up Air Units *(23 74 23 13)*

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

#### 23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0969 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 74 23 13-0003 | EA | 100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark | 8,078.31 | 493.29 |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *2,176.85* | |
| | | *For Equipment Base Roof Curb, Add* | *985.12* | |
| 23 74 23 13-0004 | EA | 300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark | 10,459.31 | 559.06 |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *2,855.52* | |
| | | *For Equipment Base Roof Curb, Add* | *1,279.19* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 74 23 13-0005 | EA | 500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark | 14,585.15 | 657.72 |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *4,046.69* | |
| | | *For Equipment Base Roof Curb, Add* | *1,790.26* | |
| 23 74 23 13-0006 | EA | 670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark | 14,694.69 | 701.57 |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *4,054.88* | |
| | | *For Equipment Base Roof Curb, Add* | *1,801.48* | |
| 23 74 23 13-0007 | EA | 800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark | 20,125.15 | 789.26 |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *5,642.91* | |
| | | *For Equipment Base Roof Curb, Add* | *2,476.18* | |
| 23 74 23 13-0008 | EA | 1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark | 30,566.82 | 986.58 |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *8,676.76* | |
| | | *For Equipment Base Roof Curb, Add* | *3,771.52* | |

### 23 74 23 13-0009 Electric Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0969 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 74 23 13-0010 | EA | 33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric | 16,810.64 | 493.29 |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *4,796.55* | |
| | | *For Equipment Base Roof Curb, Add* | *2,076.67* | |
| 23 74 23 13-0011 | EA | 100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric | 24,087.60 | 559.06 |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *6,944.01* | |
| | | *For Equipment Base Roof Curb, Add* | *2,982.72* | |
| 23 74 23 13-0012 | EA | 150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric | 29,858.41 | 657.72 |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *8,628.67* | |
| | | *For Equipment Base Roof Curb, Add* | *3,699.42* | |
| 23 74 23 13-0013 | EA | 250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric | 38,649.32 | 789.26 |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *11,200.16* | |
| | | *For Equipment Base Roof Curb, Add* | *4,791.70* | |
| 23 74 23 13-0014 | EA | 400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric | 62,595.46 | 986.58 |
| | | *For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add* | *18,285.35* | |
| | | *For Equipment Base Roof Curb, Add* | *7,775.10* | |

## 23 75 Custom-Packaged Outdoor HVAC Equipment *(23 70)*

### 23 75 16 Custom-Packaged, Rooftop Air-Conditioning Units *(23 75)*

### 23 75 16 00-0001 Custom Rooftop Units *(23 75 16)*

Note: Includes testing, balancing and commissioning of Custom-Packaged Rooftop Unit. Excludes crane and associated personnel. Excludes balancing existing diffusers and devices, reworking ductwork, new diffusers, new wiring, or new piping. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 05 83 00-0000 for reconnecting existing control wires and electrical wires.

| | | | | |
|---|---|---|---|---|
| 23 75 16 00-0002 | EA | 15 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit | 144,004.86 | 5,482.77 |
| 23 75 16 00-0003 | EA | 17.5 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit | 154,112.24 | 5,731.99 |
| 23 75 16 00-0004 | EA | 20 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit | 167,294.15 | 6,230.42 |
| 23 75 16 00-0005 | EA | 25 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit | 218,700.88 | 6,479.64 |
| 23 75 16 00-0006 | EA | 30 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit | 280,847.02 | 7,974.94 |
| 23 75 16 00-0007 | EA | 35 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit | 308,875.04 | 8,597.99 |
| 23 75 16 00-0008 | EA | 40 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit | 338,004.64 | 9,221.03 |
| 23 75 16 00-0009 | EA | 45 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit | 372,048.46 | 9,968.68 |
| 23 75 16 00-0010 | EA | 50 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit | 423,384.20 | 10,716.33 |

## 23 76 Evaporative Air-Cooling Equipment *(23 70)*

### 23 76 13 Direct Evaporative Air-Coolers *(23 76)*

### 23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit *(23 76 13)*

Note: Includes motor, belt and pads.

| | | | | |
|---|---|---|---|---|
| 23 76 13 00-0002 | EA | 3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit | 1,544.42 | 352.58 |
| 23 76 13 00-0003 | EA | 4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit | 1,825.14 | 411.34 |
| 23 76 13 00-0004 | EA | 4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit | 2,373.06 | 470.11 |
| 23 76 13 00-0005 | EA | 5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit | 2,580.25 | 528.87 |
| 23 76 13 00-0006 | EA | 6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit | 2,966.77 | 587.64 |
| 23 76 13 00-0007 | EA | 7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit | 3,191.90 | 646.40 |

### 23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers *(23 76 13)*

Note: Excludes motor starter, piping, power wiring and equipment rigging.

| | | | | |
|---|---|---|---|---|
| 23 76 13 00-0009 | EA | 7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 2,962.60 | 326.46 |
| 23 76 13 00-0010 | EA | 8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 3,057.34 | 337.03 |
| 23 76 13 00-0011 | EA | 9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 3,624.34 | 468.06 |
| 23 76 13 00-0012 | EA | 11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 7,867.53 | 552.51 |
| 23 76 13 00-0013 | EA | 13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 8,462.74 | 808.87 |
| 23 76 13 00-0014 | EA | 16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 9,711.13 | 862.79 |
| 23 76 13 00-0015 | EA | 15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 8,875.95 | 970.64 |
| 23 76 13 00-0016 | EA | 19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 10,512.57 | 1,213.31 |
| 23 76 13 00-0017 | EA | 17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 10,461.77 | 1,586.02 |
| 23 76 13 00-0018 | EA | 22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 11,681.89 | 1,617.73 |
| 23 76 13 00-0019 | EA | 24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 12,279.90 | 1,797.52 |
| 23 76 13 00-0020 | EA | 30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 16,376.91 | 2,808.60 |
| 23 76 13 00-0021 | EA | 35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 18,414.42 | 2,930.69 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 76 13 00-0022 | EA | 40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit | 20,474.15 | 3,063.89 |

# 23 77 Custom-Packaged Indoor HVAC Equipment *(23 70)*

## 23 77 13 Custom-Packaged, Indoor, Central-Station Air-Handling Units *(23 77)*

### 23 77 13 00-0001 Custom Air Handling Unit, Indoor Construction *(23 77 13)*

Note: Includes testing, balancing and commissioning of Custom-Packaged Rooftop Unit, field assembly of spit units. Excludes crane and associated personnel. Excludes roof curb, balancing existing diffusers and devices, reworking ductwork, new diffusers, new wiring, or new piping. See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 77 13 00-0002 | EA | 1,600 SCFM Custom Indoor Construction, Air Handling Unit (Alliance Air Products Custom FAU-MG01) | 59,852.35 | 1,993.73 |

Note: Base & Casing: Unit base is constructed of fully welded Structural Steel 'C' channel with removable lifting lugs to assuredeflection below the standard allowable for steel 1/220. Entire base is insulated with 2" thick urethane foam insulation minimum R-13. Floor material is 0.063" thick Aluminum (unless noted otherwise below). Double Wall construction with 0.063" Thick Aluminum with bolted standing seam construction. Insulation is 2" x 3lb. Fiberglass with 0.025" thick Aluminum solid liner. Air dry acrylic polyurethane paint with epoxy primer to meet min. 7,000 hrs. Salt spray in a 5% solutionby ASTM B117. Filter section: Provided with upstream loading 4" Depth 65% eff. Pre-Filters MERV 11. Filter Frames Galvanized Steel construction. Provided with Dwyer Magnehelic gauge for filter section. Gas furnace section: 175 MBH input natural gas indirect fired furnace with Electronic Modulation gas valve and control. Stainless steel heat exchanger, drain, and burner. Gas train vestibule with powered ventilation and access door. Supply fan section: Direct drive SWSI Plenum fans arr. 4 with ODP Premium efficiency motors & shaft groundings. 2" Internal springs for base and pressure walls with seismic restraints. SA Flow measuring station with piezometer ring, flow gauge, & transducer. Fan motors wired to a VFD (No Bypass) enclosed in a NEMA 1 Box. Electrical: Unit to be ETL. Electrical wiring per NEC and UL regulations. Single source power UL 508 listing panels for: (1) 460V/3PH with Non-Fused Disconnect with a step down transformer for powering controls and lights; controller in a NEMA 1 enclosure. Stand-Alone Controls for the AHU wired to a controller in a NEMA 1 enclosure. Additional Requirements: Access doors on every serviceable section. Unit splits as required for shipping and handling. Alliance to provide Start up assistance for the AHUS & VFDs. Warranty to the AHUS is 12 months after start up or 18 months after shipment whichever occurs first, parts only.

| | | |
|---|---|---|
| *For Startup Assistance, Deduct* | | *-1,600.00* |
| *For BACnet Controls, Deduct* | | *-4,000.00* |

| | | | | |
|---|---|---|---|---|
| 23 77 13 00-0003 | EA | 1,800 SCFM Custom Indoor Construction, Air Handling Unit (Alliance Air Products Custom FAU-JG01) | 60,595.65 | 1,993.73 |

Note: Base & Casing: Unit base is constructed of fully welded Structural Steel 'C' channel with removable lifting lugs to assure deflection below the standard allowable for steel 1/220. Entire base is insulated with 2" thick urethane foam insulation minimum R-13. Floor material is 0.063" thick Aluminum (unless noted otherwise below). Double Wall construction with 0.063" Thick Aluminum with bolted standing seam construction. Insulation is 2" x 3lb. Fiberglass with 0.025" thick Aluminum solid liner. Air dry acrylic polyurethane paint with epoxy primer to meet min. 7,000 hrs. Salt spray in a 5% solution by ASTM B117. Filter section: Provided with upstream loading 4" Depth 65% eff. Pre-Filters MERV 11. Filter Frames Galvanized Steel construction. Provided with Dwyer Magnehelic gauge for filter section. Gas furnace section: 175 MBH input natural gas indirect fired furnace with Electronic Modulation gas valve and control. Stainless steel heat exchanger, drain, and burner. Gas train vestibule with powered ventilation and access door. Supply fan section: Direct drive SWSI Plenum fans arr. 4 with ODP Premium efficiency motors & shaft groundings. 2" Internal springs for base and pressure walls with seismic restraints. SA Flow measuring station with piezometer ring, flow gauge, & transducer. Fan motors wired to a VFD (No Bypass) enclosed in a NEMA 1 Box. Electrical: Unit to be ETL. Electrical wiring per NEC and UL regulations. Single source power UL 508 listing panels for: (1) 460V/3PH with Non-Fused Disconnect with a step down transformer for powering controls and lights; controller in a NEMA 1 enclosure. Stand-Alone Controls for the AHU wired to a controller in a NEMA 1 enclosure.

| | | |
|---|---|---|
| *For Startup Assistance, Deduct* | | *-1,600.00* |

| | | | | |
|---|---|---|---|---|
| 23 77 13 00-0004 | EA | 7,870 SCFM Custom Indoor Construction, VRF Multi-Zone Air Handling Unit (Alliance Air Products Custom AHU-AR01) | 144,412.49 | 3,323.31 |

Note: Base & Casing: Unit base is constructed of fully welded Structural Steel 'C' channel with removable lifting lugs to assure deflection below the standard allowable for steel 1/220. Entire base is insulated with 2" thick urethane foam insulation minimum R-13. Floor material is 0.125" thick Aluminum (unless noted otherwise below). Double Wall construction with 0.063" Thick Aluminum with bolted standing seam construction. Insulation is 2" x 3lb. Fiberglass with 0.025" thick Aluminum solid liner. Air dry acrylic polyurethane paint with epoxy primer to meet min. 7,000 hrs. Salt spray in a 5% solution by ASTM B117. Economizer section: Provided with low-leakage extruded aluminum dampers for OSA, EA, and RA (actuators not included). OSA air flow station for min CFM control with sensors/probes and transmitter included. Filter sections: Provided with upstream loading 2" or 4" Depth- 60-65% eff. Pre Filters MERV 11. Filter Frames Galv. steel construction. Provided with Dwyer Magnehelic gauge series 2000. VRF coil section: Aluminum fin Coil(s) with 16ga. 304 Stainless steel casing and 3/8" O.D. Copper tubes and 0.008" fin thickness as required. Double sloped, 16ga. 304 Stainless Steel IAQ drain pan. Supply & Return fan sections: Direct drive SWSI Plenum fans arr. 4 with ODP Premium efficiency motors & shaft groundings. Dual Fan arrangement with Overload protection. 2" Internal springs for base and pressure walls with seismic restraints. SA & RA Flow measuring stations for each fan with piezometer ring, flow gauge, & transducer. Fan motors wired to a VFD (No Bypass) enclosed in a NEMA 1 Box. Multi-zone Damper: Provided with low-leakage extruded aluminum Multi-zone Damper. Hot/Cold & Bypass Decks. Electrical: Unit to be ETL. Electrical wiring per NEC and UL regulations. Single source power UL 508 listing panels for: (1) 460V/3PH with Non-Fused Disconnect with a step down transformer for powering controls and lights; controller in a NEMA 1 enclosure. Stand-Alone Controls for the AHU wired to a controller in a NEMA 1 enclosure. Additional Requirements: Access doors on every serviceable section. Unit splits as required for shipping and handling. Alliance to provide Start up assistance for the AHUS & VFDs. Warranty to the AHUS is 12 months after start up or 18 months after shipment whichever occurs first, parts only.

### 23 77 13 00-0005 Custom Air Handling Unit, Indoor Construction *(23 77 13)*

Note: Includes testing, balancing and commissioning of Custom-Packaged Air Conditioning Unit, field assembly of unit. Excludes balancing existing diffusers and devices, reworking ductwork, new diffusers, new wiring, or new piping.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 77 13 00-0006 | EA | 17,000 CFM Custom Indoor Construction, Variable Air Volume, Dual Duct Air Handling Unit (Climatecraft CAH84).. Note: Material(s) Notes: ? Total Airflow(CFM): 17000, ? Outside Airflow(CFM): 3000, ? Filters: a. Efficiency – MERV 8, MERV 14, b. Size – 8/24IN x 24 In x 4 IN & 4/18IN x 24 In x 4 IN, ? IEER: 13, ? Cooling Performance; a. Total Capacity (MBH): 900.5, b. Sensible Capacity (MBH): 788.7, c. Entering: 1) Dry Bulb(F) – 97, 2) Wet Bulb(F) – 70, d. Leaving: 1) Dry Bulb(F) – 54, 2) Wet Bulb(F) – 53, ? Heating Performance; a. Total Capacity (MBH): 963.2, b. Entering: 1) Dry Bulb(F) – 41, c. Leaving: 1) Dry Bulb(F) – 100, ? Fan; a. Motor (HP): 15 (x 2), b. Brake (HP): 10.8 (x2), c. RPM: 2450, d. Static Pressure (IN): 5.4, ? Electrical; a. SCCR (kAIC): -, b. MCA(A): -, c. MOCP(A): -, d. Voltage: 460, e. Frequency(HZ): 60, f. Phase: 3, ? Operating Weight (LBS): 14300 ? Provide with ultraviolet light filter ? Provide with Bi-Polar Ionization Air Filter. Includes disassembly and reassembly of the AHU due to the tight space. Transporting disassembled AHU to the 3rd floor (Mechanical Room) of the building using elevator with floor protection. | 258,750.33 | |

### 23 77 13 00-0007 Custom Air Handling Unit, Indoor Knock-Down Construction *(23 77 13)*

Note: Includes testing, balancing and commissioning of Custom-Packaged Air Handling Unit, field assembly of components units. Excludes reworking ductwork, new diffusers, new wiring, or new piping. See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 77 13 00-0008 | EA | 5200/2600 CFM, Dual Fan, Custom Indoor Construction, Air Handling Unit .. Note: Custom built to order air handling unit. Single point power connection, knock down construction, shipped in components in order to fit through existing door or floor access panel. Epoxy painted and to be of double wall construction. Includes all unit components, power wiring, controls will be furnished and installed by contractor in lower level mechanical room under manufacturer's supervision, so as not to void warranty. AHU shall be painted and to be of double wall construction. Included parts are: micro VFD for each fan, go-thru-door 36"-40" W &80" H, UV light, smoke detector inside the supply plenum, spring isolators, seismic snubbers and thrust restraints (2" static deflection) for fans, standard condition coils, separate lighting with 120V power supply wired by contractor, viewing window, pre -filters and final filters. | 147,914.13 | 21,256.34 |

# 23 80 Decentralized Unitary HVAC Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0001 for terminations, 26 28 16 16-0001 for disconnect.

## 23 81 Decentralized Unitary HVAC Equipment *(23 80)*

### 23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

#### 23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13)*

### 23 81 13 11-0001 Packaged Terminal Air-Conditioners *(23 81 13 11)*

### 23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

| | | | | |
|---|---|---|---|---|
| 23 81 13 11-0003 | EA | 7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner | 2,097.08 | 220.37 |
| | | *For >35 To 70, Deduct* | *-49.69* | |
| | | *For >70 To 100, Deduct* | *-82.82* | |
| | | *For >100, Deduct* | *-115.95* | |
| 23 81 13 11-0004 | EA | 9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner | 2,182.89 | 249.43 |
| | | *For >35 To 70, Deduct* | *-50.54* | |
| | | *For >70 To 100, Deduct* | *-84.23* | |
| | | *For >100, Deduct* | *-117.92* | |
| 23 81 13 11-0005 | EA | 11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner | 2,310.20 | 265.82 |
| | | *For >35 To 70, Deduct* | *-53.34* | |
| | | *For >70 To 100, Deduct* | *-88.90* | |
| | | *For >100, Deduct* | *-124.45* | |
| 23 81 13 11-0006 | EA | 14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner | 2,496.77 | 285.73 |
| | | *For >35 To 70, Deduct* | *-57.77* | |
| | | *For >70 To 100, Deduct* | *-96.28* | |
| | | *For >100, Deduct* | *-134.79* | |

### 23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

| | | | | |
|---|---|---|---|---|
| 23 81 13 11-0008 | EA | 7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner | 2,213.12 | 221.33 |
| | | *For >35 To 70, Deduct* | *-53.14* | |
| | | *For >70 To 100, Deduct* | *-88.56* | |
| | | *For >100, Deduct* | *-123.99* | |
| 23 81 13 11-0009 | EA | 9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner | 2,332.68 | 249.43 |
| | | *For >35 To 70, Deduct* | *-55.03* | |
| | | *For >70 To 100, Deduct* | *-91.72* | |
| | | *For >100, Deduct* | *-128.41* | |
| 23 81 13 11-0010 | EA | 11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner | 2,418.75 | 265.82 |
| | | *For >35 To 70, Deduct* | *-56.59* | |
| | | *For >70 To 100, Deduct* | *-94.32* | |
| | | *For >100, Deduct* | *-132.05* | |
| 23 81 13 11-0011 | EA | 14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner | 2,640.05 | 285.73 |
| | | *For >35 To 70, Deduct* | *-62.06* | |
| | | *For >70 To 100, Deduct* | *-103.44* | |
| | | *For >100, Deduct* | *-144.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 81 13 11-0012 | | **Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve** *(23 81 13 11)*<br>Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete. | | |
| 23 81 13 11-0013 | EA | Up To 10,000 BTU Unit, Thru Wall A/C Sleeve | 95.74 | |
| 23 81 13 11-0014 | EA | >10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve | 107.78 | |
| 23 81 13 11-0015 | EA | >20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve | 119.82 | |
| 23 81 13 11-0016 | | **Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units** *(23 81 13 11)*<br>Note: Includes storage and cleaning. | | |
| 23 81 13 11-0017 | EA | Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units | 235.06 | |
| **23 81 13 12** | | **Packaged Terminal Air-Conditioners, Freestanding Units** *(23 81 13)* | | |
| 23 81 13 12-0001 | | **Portable Air Condioning Unit** *(23 81 13 12)* | | |
| 23 81 13 12-0002 | EA | 11,800 BTU/H, 115 Volt, Portable Air Conditioning Unit (MovinCool Office Pro 12) | 5,331.34 | |
| | | *For HDK 12", 2X2 Metal, With Flex, Add* | *233.45* | |
| | | *For C PLEN-OP12/18- LAY84270-008A, Add* | *550.94* | |
| 23 81 13 12-0003 | EA | 16,800 BTU/H, 115 Volt, Portable Air Conditioning Unit (MovinCool Office Pro 18) | 5,898.49 | |
| | | *For HDK 12", 2X2 Metal, With Flex, Add* | *233.45* | |
| | | *For C PLEN-OP12/18- LAY84270-008A, Add* | *550.94* | |
| 23 81 13 12-0004 | EA | 24,000 BTU/H, 115 Volt, Portable Air Conditioning Unit (MovinCool Office Pro 24) | 6,809.43 | |
| | | *For HDK 12", 2X2 Metal, With Flex, Add* | *233.45* | |
| | | *For C PLEN-OP12/18- LAY84270-008A, Add* | *550.94* | |
| **23 81 13 13** | | **Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units** *(23 81 13)* | | |
| 23 81 13 13-0001 | | **Single Package Vertical Wall Cooling Unit** *(23 81 13 13)*<br>Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0969 for crane lifting equipment. | | |
| 23 81 13 13-0002 | EA | 1/2 Ton Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 5,184.56 | 267.50 |
| 23 81 13 13-0003 | EA | 1 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 8,005.50 | 280.24 |
| 23 81 13 13-0004 | EA | 1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 10,472.63 | 292.99 |
| 23 81 13 13-0005 | EA | 2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 12,044.61 | 318.46 |
| 23 81 13 13-0006 | EA | 2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 15,108.51 | 369.41 |
| 23 81 13 13-0007 | EA | 3 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 16,207.46 | 458.58 |
| 23 81 13 13-0008 | EA | 3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 17,943.21 | 509.53 |
| 23 81 13 13-0009 | EA | 4 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 19,759.01 | 573.22 |
| 23 81 13 13-0010 | EA | 5 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 22,229.81 | 687.86 |
| 23 81 13 13-0011 | EA | 7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 28,737.88 | 853.46 |
| 23 81 13 13-0012 | EA | 10 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 34,274.46 | 1,146.45 |
| 23 81 13 13-0013 | EA | 15 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 48,065.68 | 1,401.21 |
| 23 81 13 13-0014 | EA | 20 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 55,372.52 | 1,668.71 |
| 23 81 13 13-0015 | EA | 25 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat | 66,187.18 | 1,872.53 |
| **23 81 16** | | **Room Air-Conditioners** *(23 81)*<br>Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9. | | |
| 23 81 16 00-0001 | | **Window Unit, Room Air-Conditioners** *(23 81 16)* | | |
| 23 81 16 00-0002 | | **Cooling Only, Window Unit, Room Air-Conditioners** *(23 81 16 00-0001)* | | |
| 23 81 16 00-0003 | | **Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire)** *(23 81 16 00-0002)* | | |
| 23 81 16 00-0004 | EA | 5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1) | 506.39 | 123.40 |
| | | *For >10 To 50, Deduct* | *-12.98* | |
| | | *For >50 To 75, Deduct* | *-18.17* | |
| | | *For >75 To 100, Deduct* | *-25.96* | |
| | | *For >100, Deduct* | *-31.15* | |
| 23 81 16 00-0005 | EA | 6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1) | 532.47 | 123.40 |
| | | *For >10 To 50, Deduct* | *-14.28* | |
| | | *For >50 To 75, Deduct* | *-20.00* | |
| | | *For >75 To 100, Deduct* | *-28.57* | |
| | | *For >100, Deduct* | *-34.28* | |
| 23 81 16 00-0006 | EA | 8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1) | 597.69 | 123.40 |
| | | *For >10 To 50, Deduct* | *-17.54* | |
| | | *For >50 To 75, Deduct* | *-24.56* | |
| | | *For >75 To 100, Deduct* | *-35.09* | |
| | | *For >100, Deduct* | *-42.11* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 81 16 00-0007 | EA | 10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1) | 689.00 | 123.40 |
| | | *For >10 To 50, Deduct* | *-22.11* | |
| | | *For >50 To 75, Deduct* | *-30.95* | |
| | | *For >75 To 100, Deduct* | *-44.22* | |
| | | *For >100, Deduct* | *-53.06* | |
| 23 81 16 00-0008 | EA | 12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1) | 806.40 | 123.40 |
| | | *For >10 To 50, Deduct* | *-27.98* | |
| | | *For >50 To 75, Deduct* | *-39.17* | |
| | | *For >75 To 100, Deduct* | *-55.96* | |
| | | *For >100, Deduct* | *-67.15* | |
| 23 81 16 00-0009 | EA | 15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1) | 936.84 | 123.40 |
| | | *For >10 To 50, Deduct* | *-34.50* | |
| | | *For >50 To 75, Deduct* | *-48.30* | |
| | | *For >75 To 100, Deduct* | *-69.00* | |
| | | *For >100, Deduct* | *-82.80* | |
| 23 81 16 00-0010 | EA | 8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1) | 884.66 | 123.40 |
| | | *For >10 To 50, Deduct* | *-31.89* | |
| | | *For >50 To 75, Deduct* | *-44.65* | |
| | | *For >75 To 100, Deduct* | *-63.79* | |
| | | *For >100, Deduct* | *-76.54* | |
| 23 81 16 00-0011 | EA | 10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1) | 949.88 | 123.40 |
| | | *For >10 To 50, Deduct* | *-35.15* | |
| | | *For >50 To 75, Deduct* | *-49.21* | |
| | | *For >75 To 100, Deduct* | *-70.31* | |
| | | *For >100, Deduct* | *-84.37* | |
| 23 81 16 00-0012 | EA | 12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1) | 1,002.06 | 123.40 |
| | | *For >10 To 50, Deduct* | *-37.76* | |
| | | *For >50 To 75, Deduct* | *-52.87* | |
| | | *For >75 To 100, Deduct* | *-75.53* | |
| | | *For >100, Deduct* | *-90.63* | |
| 23 81 16 00-0013 | EA | 18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2) | 1,054.23 | 123.40 |
| | | *For >10 To 50, Deduct* | *-40.37* | |
| | | *For >50 To 75, Deduct* | *-56.52* | |
| | | *For >75 To 100, Deduct* | *-80.74* | |
| | | *For >100, Deduct* | *-96.89* | |
| 23 81 16 00-0014 | EA | 22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2) | 1,158.59 | 123.40 |
| | | *For >10 To 50, Deduct* | *-45.59* | |
| | | *For >50 To 75, Deduct* | *-63.82* | |
| | | *For >75 To 100, Deduct* | *-91.18* | |
| | | *For >100, Deduct* | *-109.41* | |
| 23 81 16 00-0015 | EA | 25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2) | 1,171.63 | 123.40 |
| | | *For >10 To 50, Deduct* | *-46.24* | |
| | | *For >50 To 75, Deduct* | *-64.74* | |
| | | *For >75 To 100, Deduct* | *-92.48* | |
| | | *For >100, Deduct* | *-110.98* | |
| 23 81 16 00-0016 | EA | 28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2) | 1,973.45 | 123.40 |
| | | *For >10 To 50, Deduct* | *-86.33* | |
| | | *For >50 To 75, Deduct* | *-120.86* | |
| | | *For >75 To 100, Deduct* | *-172.66* | |
| | | *For >100, Deduct* | *-207.20* | |

### 23 81 16 00-0017 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*

| | | | | |
|---|---|---|---|---|
| 23 81 16 00-0018 | EA | 8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C) | 2,093.87 | 123.40 |
| 23 81 16 00-0019 | EA | 10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C) | 2,299.30 | 123.40 |
| 23 81 16 00-0020 | EA | 11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C) | 2,392.68 | 123.40 |
| 23 81 16 00-0021 | EA | 12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C) | 2,430.03 | 123.40 |
| 23 81 16 00-0022 | EA | 20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C) | 2,766.20 | 123.40 |
| 23 81 16 00-0023 | EA | 24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C) | 3,606.62 | 123.40 |
| 23 81 16 00-0024 | EA | 28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C) | 3,886.76 | 123.40 |
| 23 81 16 00-0025 | EA | 36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B) | 4,260.28 | 123.40 |

### 23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

### 23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0026)*

| | | | | |
|---|---|---|---|---|
| 23 81 16 00-0028 | EA | 8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1) | 1,002.06 | 123.40 |
| | | *For >10 To 50, Deduct* | *-37.76* | |
| | | *For >50 To 75, Deduct* | *-52.87* | |
| | | *For >75 To 100, Deduct* | *-75.53* | |
| | | *For >100, Deduct* | *-90.63* | |
| 23 81 16 00-0029 | EA | 12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2) | 1,145.54 | 123.40 |
| | | *For >10 To 50, Deduct* | *-44.94* | |
| | | *For >50 To 75, Deduct* | *-62.91* | |
| | | *For >75 To 100, Deduct* | *-89.87* | |
| | | *For >100, Deduct* | *-107.85* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 81 16 00-0030 | EA | 18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2) | 1,223.81 | 123.40 |
| | | *For >10 To 50, Deduct* | *-48.85* | |
| | | *For >50 To 75, Deduct* | *-68.39* | |
| | | *For >75 To 100, Deduct* | *-97.70* | |
| | | *For >100, Deduct* | *-117.24* | |
| 23 81 16 00-0031 | EA | 25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2) | 1,510.77 | 123.40 |
| | | *For >10 To 50, Deduct* | *-63.20* | |
| | | *For >50 To 75, Deduct* | *-88.48* | |
| | | *For >75 To 100, Deduct* | *-126.40* | |
| | | *For >100, Deduct* | *-151.68* | |
| 23 81 16 00-0032 | | **Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0026)* | | |
| 23 81 16 00-0033 | EA | 12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B) | 2,523.41 | 123.40 |
| 23 81 16 00-0034 | | **Accessories** *(23 81 16 00-0001)* | | |
| 23 81 16 00-0035 | SET | Aluminum Air Conditioner Unit Frame And Bracket Assembly | 618.93 | 64.40 |
| 23 81 16 00-0036 | | **Removal And Reinstallation Of Room Air-Conditioners** *(23 81 16)* | | |
| | | Note: Includes storage and cleaning. | | |
| 23 81 16 00-0037 | EA | Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash | 146.90 | |
| 23 81 16 00-0038 | EA | Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash | 314.48 | |
| 23 81 16 00-0039 | | **Through-The-Wall, Room Air-Conditioners** *(23 81 16)* | | |
| | | Note: Base unit excludes wall sleeve. | | |
| 23 81 16 00-0040 | | **Cooling Only, Through-The-Wall, Room Air-Conditioners** *(23 81 16 00-0039)* | | |
| 23 81 16 00-0041 | | **Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0040)* | | |
| 23 81 16 00-0042 | EA | 8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A) | 1,575.12 | 88.14 |
| | | *For >10 To 50, Deduct* | *-69.94* | |
| | | *For >50 To 75, Deduct* | *-97.92* | |
| | | *For >75 To 100, Deduct* | *-139.88* | |
| | | *For >100, Deduct* | *-167.86* | |
| | | *For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add* | *276.66* | |
| 23 81 16 00-0043 | EA | 9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B) | 1,705.85 | 88.14 |
| | | *For >10 To 50, Deduct* | *-76.48* | |
| | | *For >50 To 75, Deduct* | *-107.07* | |
| | | *For >75 To 100, Deduct* | *-152.96* | |
| | | *For >100, Deduct* | *-183.55* | |
| | | *For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add* | *276.66* | |
| 23 81 16 00-0044 | EA | 12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A) | 1,948.64 | 88.14 |
| | | *For >10 To 50, Deduct* | *-88.62* | |
| | | *For >50 To 75, Deduct* | *-124.06* | |
| | | *For >75 To 100, Deduct* | *-177.24* | |
| | | *For >100, Deduct* | *-212.68* | |
| | | *For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add* | *276.66* | |
| 23 81 16 00-0045 | EA | 10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A) | 1,705.85 | 88.14 |
| | | *For >10 To 50, Deduct* | *-76.48* | |
| | | *For >50 To 75, Deduct* | *-107.07* | |
| | | *For >75 To 100, Deduct* | *-152.96* | |
| | | *For >100, Deduct* | *-183.55* | |
| | | *For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add* | *276.66* | |
| 23 81 16 00-0046 | EA | 12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A) | 1,948.64 | 88.14 |
| | | *For >10 To 50, Deduct* | *-88.62* | |
| | | *For >50 To 75, Deduct* | *-124.06* | |
| | | *For >75 To 100, Deduct* | *-177.24* | |
| | | *For >100, Deduct* | *-212.68* | |
| | | *For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add* | *276.66* | |
| 23 81 16 00-0047 | | **Heating And Cooling, Through-The-Wall, Room Air-Conditioners** *(23 81 16 00-0039)* | | |
| 23 81 16 00-0048 | | **Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0047)* | | |
| 23 81 16 00-0049 | EA | 10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33) | 2,004.67 | 88.14 |
| | | *For >10 To 50, Deduct* | *-91.42* | |
| | | *For >50 To 75, Deduct* | *-127.99* | |
| | | *For >75 To 100, Deduct* | *-182.84* | |
| | | *For >100, Deduct* | *-219.41* | |
| | | *For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add* | *276.66* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 81 16 00-0050 | EA | 12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33) | 2,154.08 | 88.14 |
| | | *For >10 To 50, Deduct* | *-98.89* | |
| | | *For >50 To 75, Deduct* | *-138.45* | |
| | | *For >75 To 100, Deduct* | *-197.78* | |
| | | *For >100, Deduct* | *-237.33* | |
| | | *For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add* | *276.66* | |

## 23 81 23 Computer-Room Air-Conditioners *(23 81)*

Note: Includes equipment rigging. Indoor units include filters.

### 23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units *(23 81 23)*

#### 23 81 23 12-0001 Floor Mounted Air-Cooled Direct Expansion Type *(23 81 23 12)*

Note: Includes compressor sequence switch, mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, condensate pump, and outdoor air-cooled condenser complete with fan speed control. Excludes precharged copper pipe.

| | | | | |
|---|---|---|---|---|
| 23 81 23 12-0002 | EA | 3 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type<br>Note: Includes interior unit and remote condenser. Excludes piping. | 40,701.08 | 2,508.50 |
| | | *For Liebert Unit, Add* | *4,616.77* | |
| 23 81 23 12-0003 | EA | 5 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type<br>Note: Includes interior unit and remote condenser. Excludes piping. | 44,924.33 | 2,743.67 |
| | | *For Liebert Unit, Add* | *5,098.26* | |
| 23 81 23 12-0004 | EA | 6 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type<br>Note: Includes interior unit and remote condenser. Excludes piping. | 67,248.80 | 3,135.63 |
| | | *For Liebert Unit, Add* | *7,823.13* | |
| 23 81 23 12-0005 | EA | 8 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type<br>Note: Includes interior unit and remote condenser. Excludes piping. | 71,673.29 | 3,331.60 |
| | | *For Liebert Unit, Add* | *8,339.75* | |
| 23 81 23 12-0006 | EA | 10 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type<br>Note: Includes interior unit and remote condenser. Excludes piping. | 76,097.79 | 3,527.58 |
| | | *For Liebert Unit, Add* | *8,856.38* | |
| 23 81 23 12-0007 | EA | 16 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type<br>Note: Includes interior unit and remote condenser. Excludes piping. | 89,563.19 | 4,233.09 |
| | | *For Liebert Unit, Add* | *10,396.98* | |
| 23 81 23 12-0008 | EA | 20 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type<br>Note: Includes interior unit and remote condenser. Excludes piping. | 101,242.31 | 4,703.44 |
| | | *For Liebert Unit, Add* | *11,780.83* | |
| 23 81 23 12-0009 | EA | 22 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type<br>Note: Includes interior unit and remote condenser. Excludes piping. | 111,779.25 | 4,858.57 |
| | | *For Liebert Unit, Add* | *13,064.51* | |
| 23 81 23 12-0010 | EA | 24 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type<br>Note: Includes interior unit and remote condenser. Excludes piping. | 121,096.05 | 5,017.00 |
| | | *For Liebert Unit, Add* | *14,195.28* | |
| 23 81 23 12-0011 | EA | 30 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type<br>Note: Includes interior unit and remote condenser. Excludes piping. | 130,908.69 | 5,644.12 |
| | | *For Liebert Unit, Add* | *15,314.24* | |

#### 23 81 23 12-0012 Floor Mounted Chilled Water Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.

| | | | | |
|---|---|---|---|---|
| 23 81 23 12-0013 | EA | 3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source | 24,327.29 | 1,718.84 |
| | | *For Liebert Unit, Add* | *2,754.44* | |
| 23 81 23 12-0014 | EA | 5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source | 26,143.26 | 1,903.94 |
| | | *For Liebert Unit, Add* | *2,950.59* | |
| 23 81 23 12-0015 | EA | 12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source | 32,340.97 | 2,899.98 |
| | | *For Liebert Unit, Add* | *3,559.29* | |
| 23 81 23 12-0016 | EA | 16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source | 33,811.60 | 2,938.18 |
| | | *For Liebert Unit, Add* | *3,736.81* | |
| 23 81 23 12-0017 | EA | 20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source | 35,111.47 | 3,055.71 |
| | | *For Liebert Unit, Add* | *3,877.69* | |
| 23 81 23 12-0018 | EA | 22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source | 35,938.39 | 3,349.52 |
| | | *For Liebert Unit, Add* | *3,934.04* | |
| 23 81 23 12-0019 | EA | 31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source | 38,123.64 | 3,643.34 |
| | | *For Liebert Unit, Add* | *4,159.46* | |

#### 23 81 23 12-0020 Floor Mounted Water Source For Computer Room Air Conditioner *(23 81 23 12)*

Note: Excludes computer room air conditioner

| | | | | |
|---|---|---|---|---|
| 23 81 23 12-0021 | EA | 3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit | 18,843.55 | 1,567.81 |
| | | *For Liebert Unit, Add* | *2,062.56* | |
| 23 81 23 12-0022 | EA | 5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit | 20,738.28 | 1,646.20 |
| | | *For Liebert Unit, Add* | *2,284.69* | |
| 23 81 23 12-0023 | EA | 6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit | 26,883.87 | 1,724.60 |
| | | *For Liebert Unit, Add* | *3,038.32* | |
| 23 81 23 12-0024 | EA | 8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit | 28,972.13 | 1,881.38 |
| | | *For Liebert Unit, Add* | *3,268.37* | |
| 23 81 23 12-0025 | EA | 9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit | 30,486.04 | 1,959.99 |
| | | *For Liebert Unit, Add* | *3,442.90* | |
| 23 81 23 12-0026 | EA | 10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit | 31,999.96 | 2,038.16 |
| | | *For Liebert Unit, Add* | *3,617.42* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 81 23 12-0027 | EA | 12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit | 33,256.09 | 2,194.93 |
| | | *For Liebert Unit, Add* | *3,744.35* | |
| 23 81 23 12-0028 | EA | 16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit | 34,721.87 | 2,351.71 |
| | | *For Liebert Unit, Add* | *3,903.01* | |
| 23 81 23 12-0029 | EA | 20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit | 35,761.24 | 2,508.50 |
| | | *For Liebert Unit, Add* | *4,005.25* | |
| 23 81 23 12-0030 | EA | 25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit | 40,837.53 | 2,978.84 |
| | | *For Liebert Unit, Add* | *4,548.22* | |

### 23 81 23 12-0031 Floor Mounted Glycol System Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.

| | | | | |
|---|---|---|---|---|
| 23 81 23 12-0032 | EA | 3 Ton Computer Room Air Conditioner, Glycol System Type | 49,535.78 | 1,718.84 |
| | | *For Drycooler, Add* | *17,681.29* | |
| | | *Note: Installation is externally mounted.* | | |
| | | *For Integrated Fluid Econocoil (Economizer Functionality), Add* | *8,700.00* | |
| 23 81 23 12-0033 | EA | 5 Ton Computer Room Air Conditioner, Glycol System Type | 53,297.94 | 1,903.94 |
| | | *For Drycooler, Add* | *19,035.07* | |
| | | *Note: Installation is externally mounted.* | | |
| | | *For Integrated Fluid Econocoil (Economizer Functionality), Add* | *8,700.00* | |
| 23 81 23 12-0034 | EA | 6 Ton Computer Room Air Conditioner, Glycol System Type | 69,765.18 | 2,133.12 |
| | | *For Drycooler, Add* | *24,844.44* | |
| | | *Note: Installation is externally mounted.* | | |
| | | *For Integrated Fluid Econocoil (Economizer Functionality), Add* | *8,700.00* | |
| 23 81 23 12-0035 | EA | 8 Ton Computer Room Air Conditioner, Glycol System Type | 80,729.11 | 2,362.30 |
| | | *For Drycooler, Add* | *28,727.65* | |
| | | *Note: Installation is externally mounted.* | | |
| | | *For Integrated Fluid Econocoil (Economizer Functionality), Add* | *8,700.00* | |
| 23 81 23 12-0036 | EA | 9 Ton Computer Room Air Conditioner, Glycol System Type | 85,293.72 | 2,476.88 |
| | | *For Drycooler, Add* | *30,348.18* | |
| | | *Note: Installation is externally mounted.* | | |
| | | *For Integrated Fluid Econocoil (Economizer Functionality), Add* | *8,700.00* | |
| 23 81 23 12-0037 | EA | 10 Ton Computer Room Air Conditioner, Glycol System Type | 91,095.46 | 2,591.47 |
| | | *For Drycooler, Add* | *32,401.71* | |
| | | *Note: Installation is externally mounted.* | | |
| | | *For Integrated Fluid Econocoil (Economizer Functionality), Add* | *8,700.00* | |
| 23 81 23 12-0038 | EA | 12 Ton Computer Room Air Conditioner, Glycol System Type | 97,283.49 | 2,706.65 |
| | | *For Drycooler, Add* | *34,590.44* | |
| | | *Note: Installation is externally mounted.* | | |
| | | *For Integrated Fluid Econocoil (Economizer Functionality), Add* | *8,700.00* | |
| 23 81 23 12-0039 | EA | 15 Ton Computer Room Air Conditioner, Glycol System Type | 104,470.47 | 2,808.90 |
| | | *For Drycooler, Add* | *37,128.80* | |
| | | *Note: Installation is externally mounted.* | | |
| | | *For Integrated Fluid Econocoil (Economizer Functionality), Add* | *8,700.00* | |
| 23 81 23 12-0040 | EA | 16 Ton Computer Room Air Conditioner, Glycol System Type | 111,264.06 | 2,938.18 |
| | | *For Drycooler, Add* | *39,532.99* | |
| | | *Note: Installation is externally mounted.* | | |
| | | *For 10 HP Glycol Pump, Add* | *21,500.00* | |
| | | *For Remote Pump Control Panel, Add* | *7,630.00* | |
| | | *For Integrated Fluid Econocoil (Economizer Functionality), Add* | *8,700.00* | |
| 23 81 23 12-0041 | EA | 20 Ton Computer Room Air Conditioner, Glycol System Type | 122,076.97 | 3,055.71 |
| | | *For Drycooler, Add* | *43,340.43* | |
| | | *Note: Installation is externally mounted.* | | |
| | | *For 10 HP Glycol Pump, Add* | *21,500.00* | |
| | | *For Remote Pump Control Panel, Add* | *7,630.00* | |
| | | *For Integrated Fluid Econocoil (Economizer Functionality), Add* | *8,700.00* | |
| 23 81 23 12-0042 | EA | 22 Ton Computer Room Air Conditioner, Glycol System Type | 126,518.02 | 3,349.52 |
| | | *For Drycooler, Add* | *44,951.22* | |
| | | *Note: Installation is externally mounted.* | | |
| | | *For 10 HP Glycol Pump, Add* | *21,500.00* | |
| | | *For Remote Pump Control Panel, Add* | *7,630.00* | |
| | | *For Integrated Fluid Econocoil (Economizer Functionality), Add* | *8,700.00* | |
| 23 81 23 12-0043 | EA | 30 Ton Computer Room Air Conditioner, Glycol System Type | 154,317.58 | 3,643.34 |
| | | *For Drycooler, Add* | *54,738.35* | |
| | | *Note: Installation is externally mounted.* | | |
| | | *For 10 HP Glycol Pump, Add* | *21,500.00* | |
| | | *For Remote Pump Control Panel, Add* | *7,630.00* | |
| | | *For Integrated Fluid Econocoil (Economizer Functionality), Add* | *8,700.00* | |

### 23 81 23 12-0044 Removal And Reinstallation Of Computer Room Unit *(23 81 23 12)*

Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.

| | | | |
|---|---|---|---|
| 23 81 23 12-0045 | EA | Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit | 2,350.55 |
| 23 81 23 12-0046 | EA | Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit | 1,958.79 |

## 23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units *(23 81 23)*

### 23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner *(23 81 23 13)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air-cooled condenser complete with fan speed control.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 81 23 13-0002 | EA | 1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System | 16,165.92 | 745.13 |
| | | *For Liebert Unit, Add* | *1,881.09* | |
| 23 81 23 13-0003 | EA | 1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System | 17,868.99 | 894.85 |
| | | *For Liebert Unit, Add* | *2,065.92* | |
| 23 81 23 13-0004 | EA | 2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System | 20,401.52 | 1,119.92 |
| | | *For Liebert Unit, Add* | *2,340.32* | |
| 23 81 23 13-0005 | EA | 3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System | 25,071.81 | 1,306.55 |
| | | *For Liebert Unit, Add* | *2,889.13* | |
| 23 81 23 13-0006 | EA | 5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System | 34,023.03 | 1,420.08 |
| | | *For Liebert Unit, Add* | *3,986.74* | |

### 23 81 23 13-0007 Horizontal Indoor Single Package Cooling Unit *(23 81 23 13)*

Note: Carrier 50AH With indoor scroll compressor, plenum mounted.

| | | | | |
|---|---|---|---|---|
| 23 81 23 13-0008 | EA | 2 Ton Horizontal Indoor Single-Package Cooling Unit, 800 CFM Nominal | 20,985.16 | 705.16 |
| 23 81 23 13-0009 | EA | 3 Ton Horizontal Indoor Single-Package Cooling Unit, 1,200 CFM Nominal | 24,591.84 | 881.45 |
| 23 81 23 13-0010 | EA | 4 Ton Horizontal Indoor Single-Package Cooling Unit, 1,600 CFM Nominal | 28,633.25 | 1,057.74 |
| 23 81 23 13-0011 | EA | 5 Ton Horizontal Indoor Single-Package Cooling Unit, 2,000 CFM Nominal | 33,332.05 | 1,175.27 |

## 23 81 26 Split-System Air-Conditioners *(23 81)*

### 23 81 26 13 Small-Capacity Split-System Air-Conditioners *(23 81 26)*

#### 23 81 26 13-0001 Split System A/C Unit *(23 81 26 13)*

See CSI section 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.

#### 23 81 26 13-0002 Ductless Split System Air Conditioners *(23 81 26 13-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0025 for ductless heat pumps.

#### 23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

| | | | | |
|---|---|---|---|---|
| 23 81 26 13-0004 | EA | 9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 2,226.09 | 387.84 |
| 23 81 26 13-0005 | EA | 11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 2,412.08 | 423.09 |
| 23 81 26 13-0006 | EA | 17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 3,006.31 | 470.11 |
| 23 81 26 13-0007 | EA | 24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 3,340.19 | 517.12 |
| 23 81 26 13-0008 | EA | 25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 5,102.96 | 564.13 |
| 23 81 26 13-0009 | EA | 29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 5,928.69 | 587.64 |
| 23 81 26 13-0010 | EA | 31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 6,501.61 | 626.42 |

#### 23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

| | | | | |
|---|---|---|---|---|
| 23 81 26 13-0012 | EA | 7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes indoor unit and wireless thermostat. | 962.79 | 188.05 |
| 23 81 26 13-0013 | EA | 9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes indoor unit and wireless thermostat. | 1,018.21 | 199.80 |
| 23 81 26 13-0014 | EA | 11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes indoor unit and wireless thermostat. | 1,074.52 | 211.55 |
| 23 81 26 13-0015 | EA | 17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes indoor unit and wireless thermostat. | 1,212.54 | 223.30 |
| 23 81 26 13-0016 | EA | 24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes indoor unit and wireless thermostat. | 1,296.68 | 235.06 |
| 23 81 26 13-0017 | EA | 19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes outdoor unit and refrigerant charge. | 2,627.94 | 282.07 |
| 23 81 26 13-0018 | EA | 25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes outdoor unit and refrigerant charge. | 2,906.65 | 305.57 |
| 23 81 26 13-0019 | EA | 30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners<br>Note: Includes outdoor unit and refrigerant charge. | 4,567.86 | 329.08 |

#### 23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

| | | | | |
|---|---|---|---|---|
| 23 81 26 13-0021 | EA | 24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 5,456.07 | 564.13 |
| 23 81 26 13-0022 | EA | 31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 6,649.50 | 673.43 |
| 23 81 26 13-0023 | EA | 39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 8,093.38 | 705.16 |

#### 23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

| | | | | |
|---|---|---|---|---|
| 23 81 26 13-0025 | EA | 11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 3,369.89 | 470.11 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 81 26 13-0026 | EA | 17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 3,924.62 | 517.12 |
| 23 81 26 13-0027 | EA | 24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 5,438.94 | 611.14 |
| 23 81 26 13-0028 | EA | 32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 6,290.41 | 673.43 |
| 23 81 26 13-0029 | EA | 39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 7,913.83 | 705.16 |
| **23 81 26 13-0030** | | **Ductless Split System Accessories** *(23 81 26 13-0002)* | | |
| 23 81 26 13-0031 | LF | 3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 14.40 | 1.68 |
| 23 81 26 13-0032 | LF | 4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 18.63 | 1.85 |
| 23 81 26 13-0033 | LF | 6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 23.29 | 2.04 |
| 23 81 26 13-0034 | EA | 3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 24.06 | 3.16 |
| 23 81 26 13-0035 | EA | 4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 41.94 | 3.47 |
| 23 81 26 13-0036 | EA | 6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 47.84 | 3.82 |
| 23 81 26 13-0037 | EA | 3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 60.23 | 6.32 |
| 23 81 26 13-0038 | EA | 4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 100.84 | 6.95 |
| 23 81 26 13-0039 | EA | 6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 112.61 | 7.65 |
| 23 81 26 13-0040 | EA | 3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 80.85 | 6.74 |
| 23 81 26 13-0041 | EA | 4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 94.98 | 7.42 |
| 23 81 26 13-0042 | EA | 6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 148.01 | 8.15 |
| 23 81 26 13-0043 | EA | 3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 60.23 | 6.32 |
| 23 81 26 13-0044 | EA | 4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 100.84 | 6.95 |
| 23 81 26 13-0045 | EA | 6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 112.61 | 7.65 |
| 23 81 26 13-0046 | EA | 3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 77.83 | 10.53 |
| 23 81 26 13-0047 | EA | 4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 114.88 | 11.58 |
| 23 81 26 13-0048 | EA | 6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 137.73 | 12.74 |
| 23 81 26 13-0049 | EA | 2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 45.05 | 2.10 |
| 23 81 26 13-0050 | EA | 3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 48.14 | 6.32 |
| 23 81 26 13-0051 | EA | 4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 79.08 | 6.95 |
| 23 81 26 13-0052 | EA | 3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 43.30 | 6.32 |
| 23 81 26 13-0053 | EA | 4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 59.73 | 6.95 |
| 23 81 26 13-0054 | EA | 6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 64.25 | 7.65 |
| 23 81 26 13-0055 | EA | 4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 216.54 | 8.42 |
| 23 81 26 13-0056 | EA | 6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers | 245.69 | 9.27 |
| 23 81 26 13-0057 | EA | 14" Condensing Unit Mounting Blocks With End Caps | 129.54 | 31.59 |
| 23 81 26 13-0058 | EA | 17" Condensing Unit Mounting Blocks With End Caps | 143.18 | 33.69 |
| 23 81 26 13-0059 | EA | 36" Condensing Unit Mounting Blocks With End Caps | 197.92 | 35.79 |
| 23 81 26 13-0060 | EA | End Cap, Set of 4 | 24.16 | |
| 23 81 26 13-0061 | EA | 18" Condensing Unit Type 2 Wall Bracket, 165 Lb. Capacity | 276.17 | 63.17 |
| 23 81 26 13-0062 | EA | 21" Condensing Unit Type 2 Wall Bracket, 220 Lb. Capacity | 293.06 | 67.38 |
| 23 81 26 13-0063 | LF | 5/8" ID Condensate Drain Line | 3.20 | 0.17 |
| 23 81 26 13-0064 | LF | 3/4" ID Condensate Drain Line | 3.31 | 0.17 |
| **23 81 26 13-0065** | | **Cased A/C Evaporator Coils** *(23 81 26 13-0001)* | | |
| **23 81 26 13-0066** | | **Vertical Cased A/C Evaporator Coils** *(23 81 26 13-0065)* | | |
| 23 81 26 13-0067 | EA | 1-1/2 Ton Vertical Cased A/C Evaporator Coil | 817.41 | 117.10 |
| 23 81 26 13-0068 | EA | 2 Ton Vertical Cased A/C Evaporator Coil | 851.29 | 125.88 |
| 23 81 26 13-0069 | EA | 2-1/2 Ton Vertical Cased A/C Evaporator Coil | 1,018.17 | 134.66 |
| 23 81 26 13-0070 | EA | 3 Ton Vertical Cased A/C Evaporator Coil | 1,164.06 | 143.45 |
| 23 81 26 13-0071 | EA | 3-1/2 Ton Vertical Cased A/C Evaporator Coil | 1,353.06 | 149.31 |
| 23 81 26 13-0072 | EA | 4 Ton Vertical Cased A/C Evaporator Coil | 1,514.07 | 155.16 |
| 23 81 26 13-0073 | EA | 4-1/2 Ton Vertical Cased A/C Evaporator Coil | 1,626.14 | 166.88 |
| 23 81 26 13-0074 | EA | 5 Ton Vertical Cased A/C Evaporator Coil | 1,634.39 | 175.66 |
| **23 81 26 13-0075** | | **"A" Style Horizontal Cased A/C Evaporator Coils** *(23 81 26 13-0065)* | | |
| 23 81 26 13-0076 | EA | 2 Ton "A" Style Horizontal Cased A/C Evaporator Coil | 1,009.89 | 120.03 |
| 23 81 26 13-0077 | EA | 2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil | 1,165.61 | 126.77 |
| 23 81 26 13-0078 | EA | 3 Ton "A" Style Horizontal Cased A/C Evaporator Coil | 1,338.94 | 134.66 |
| 23 81 26 13-0079 | EA | 3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil | 1,387.16 | 139.53 |
| 23 81 26 13-0080 | EA | 4 Ton "A" Style Horizontal Cased A/C Evaporator Coil | 1,452.19 | 146.38 |
| 23 81 26 13-0081 | EA | 4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil | 1,467.56 | 153.99 |
| 23 81 26 13-0082 | EA | 5 Ton "A" Style Horizontal Cased A/C Evaporator Coil | 1,482.64 | 161.60 |
| **23 81 26 13-0083** | | **Slab Style Horizontal Cased A/C Evaporator Coils** *(23 81 26 13-0065)* | | |
| 23 81 26 13-0084 | EA | 2 Ton Slab Style Horizontal Cased A/C Evaporator Coil | 876.92 | 120.03 |
| 23 81 26 13-0085 | EA | 3 Ton Slab Style Horizontal Cased A/C Evaporator Coil | 1,056.66 | 134.66 |
| 23 81 26 13-0086 | EA | 4 Ton Slab Style Horizontal Cased A/C Evaporator Coil | 1,223.56 | 146.38 |
| 23 81 26 13-0087 | EA | 5 Ton Slab Style Horizontal Cased A/C Evaporator Coil | 1,480.31 | 161.60 |
| **23 81 26 16** | | **Large-Capacity Split-System Air-Conditioners** *(23 81 26)* | | |
| 23 81 26 16-0001 | | Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) *(23 81 26 16)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 81 26 16-0002** | | **Outdoor Units** *(23 81 26 16-0001)* | | |
| 23 81 26 16-0003 | EA | 6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A) | 17,147.67 | 617.02 |
| 23 81 26 16-0004 | EA | 8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A) | 18,590.97 | 734.54 |
| 23 81 26 16-0005 | EA | 10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A) | 20,929.50 | 881.45 |
| 23 81 26 16-0006 | EA | 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A) | 25,769.58 | 910.84 |
| 23 81 26 16-0007 | EA | 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A) | 34,286.01 | 940.22 |
| 23 81 26 16-0008 | EA | 14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A) | 35,553.01 | 969.60 |
| 23 81 26 16-0009 | EA | 16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A) | 36,820.02 | 998.98 |
| 23 81 26 16-0010 | EA | 18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A) | 38,982.26 | 1,057.74 |
| 23 81 26 16-0011 | EA | 20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A) | 41,144.50 | 1,116.51 |
| 23 81 26 16-0012 | EA | 22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A) | 46,043.36 | 1,175.27 |
| 23 81 26 16-0013 | EA | 24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A) | 50,942.20 | 1,234.03 |
| 23 81 26 16-0014 | EA | Condensing Unit (Mitsubish PUMY-P36NHMU) | 4,315.02 | |
| 23 81 26 16-0015 | EA | Condensing Unit (Mitsubish PUY-A12NHA4) | 4,079.97 | |
| **23 81 26 16-0016** | | **Indoor Units** *(23 81 26 16-0001)* | | |
| 23 81 26 16-0017 | EA | 6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2) | 1,776.08 | 190.99 |
| 23 81 26 16-0018 | EA | 8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2) | 1,867.42 | 205.68 |
| 23 81 26 16-0019 | EA | 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2) | 1,948.44 | 220.37 |
| 23 81 26 16-0020 | EA | 15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2) | 2,044.95 | 235.06 |
| 23 81 26 16-0021 | EA | 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2) | 2,215.72 | 279.13 |
| 23 81 26 16-0022 | EA | 24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2) | 2,474.71 | 337.89 |
| 23 81 26 16-0023 | EA | 30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2) | 2,681.15 | 367.27 |
| 23 81 26 16-0024 | EA | 6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3) | 2,573.30 | 210.08 |
| 23 81 26 16-0025 | EA | 8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3) | 2,662.41 | 226.24 |
| 23 81 26 16-0026 | EA | 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3) | 2,808.34 | 242.40 |
| 23 81 26 16-0027 | EA | 15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3) | 3,047.19 | 258.56 |
| 23 81 26 16-0028 | EA | 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3) | 3,216.44 | 307.04 |
| 23 81 26 16-0029 | EA | 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3) | 3,531.60 | 371.68 |
| 23 81 26 16-0030 | EA | 27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3) | 3,713.66 | 387.84 |
| 23 81 26 16-0031 | EA | 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3) | 3,916.38 | 404.00 |
| 23 81 26 16-0032 | EA | 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3) | 4,343.12 | 444.40 |
| 23 81 26 16-0033 | EA | 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3) | 4,814.10 | 488.84 |
| 23 81 26 16-0034 | EA | 54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3) | 5,211.34 | 537.73 |
| 23 81 26 16-0035 | EA | 72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E) | 6,604.57 | 591.50 |
| 23 81 26 16-0036 | EA | 96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E) | 7,497.40 | 650.64 |
| 23 81 26 16-0037 | EA | 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E) | 2,925.03 | 242.40 |
| 23 81 26 16-0038 | EA | 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E) | 3,084.37 | 258.56 |
| 23 81 26 16-0039 | EA | 18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E) | 3,256.72 | 307.04 |
| 23 81 26 16-0040 | EA | 24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E) | 3,651.39 | 371.68 |
| 23 81 26 16-0041 | EA | 30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E) | 3,933.93 | 404.00 |
| 23 81 26 16-0042 | EA | 36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E) | 4,812.99 | 444.41 |
| 23 81 26 16-0043 | EA | 6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5) | 2,630.10 | 210.08 |
| 23 81 26 16-0044 | EA | 8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5) | 2,765.68 | 226.24 |
| 23 81 26 16-0045 | EA | 12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5) | 2,973.57 | 242.40 |
| 23 81 26 16-0046 | EA | 15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5) | 3,129.81 | 258.56 |
| 23 81 26 16-0047 | EA | 8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4) | 2,435.22 | 226.24 |
| 23 81 26 16-0048 | EA | 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4) | 2,560.49 | 242.40 |
| 23 81 26 16-0049 | EA | 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4) | 2,690.92 | 258.56 |
| 23 81 26 16-0050 | EA | DX Fan Coil (Mitsubish PKA-A12HA4) | 4,667.60 | |
| 23 81 26 16-0051 | EA | DX Fan Coil (Mitsubish PKFY-P12NHMU-E2) | 4,667.60 | |
| **23 81 26 16-0052** | | **Controllers For Outdoor Units** *(23 81 26 16-0001)* | | |
| 23 81 26 16-0053 | EA | 8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1) | 9,285.29 | 176.29 |
| 23 81 26 16-0054 | EA | 10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1) | 10,738.17 | 205.68 |
| 23 81 26 16-0055 | EA | 13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA) | 11,865.76 | 235.06 |
| 23 81 26 16-0056 | EA | 16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA) | 14,082.83 | 264.44 |
| 23 81 26 16-0057 | EA | 4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB) | 5,176.45 | 117.52 |
| 23 81 26 16-0058 | EA | 8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB) | 7,973.78 | 176.29 |
| 23 81 26 16-0059 | EA | 16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB) | 12,187.86 | 264.44 |
| **23 81 26 16-0060** | | **Energy Recovery Units** *(23 81 26 16-0001)* | | |
| 23 81 26 16-0061 | EA | 36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU) | 6,569.33 | 176.29 |
| 23 81 26 16-0062 | EA | 39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU) | 12,434.97 | 176.29 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 81 26 16-0063 | EA | 112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR) | 12,612.49 | 205.68 |
| 23 81 26 16-0064 | EA | Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E) | 2,617.36 | 146.90 |
| 23 81 26 16-0065 | EA | Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E) | 3,336.49 | 152.78 |
| 23 81 26 16-0066 | EA | Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E) | 3,978.18 | 158.67 |
| 23 81 26 16-0067 | EA | Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1) | 7,256.06 | 176.29 |
| **23 81 26 16-0068** | | **Piping Specialties** *(23 81 26 16-0001)* | | |
| 23 81 26 16-0069 | EA | Maintenance Tool Interface (Mitsubishi CMS-MNG-E) | 919.09 | |
| 23 81 26 16-0070 | EA | Branch Joint (Mitsubishi CMY-Y102SS-G2) | 242.69 | 44.48 |
| 23 81 26 16-0071 | EA | Branch Joint (Mitsubishi CMY-Y102LS-G2) | 242.69 | 44.48 |
| 23 81 26 16-0072 | EA | Branch Joint (Mitsubishi CMY-Y202S-G2) | 269.20 | 46.83 |
| 23 81 26 16-0073 | EA | Branch Joint (Mitsubishi CMY-Y302S-G2) | 337.70 | 52.68 |
| 23 81 26 16-0074 | EA | Header - 4 Branch (Mitsubishi CMY-Y64-G-E) | 441.32 | 76.08 |
| 23 81 26 16-0075 | EA | Header - 8 Branch (Mitsubishi CMY-Y68-G-E) | 748.39 | 152.17 |
| 23 81 26 16-0076 | EA | Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI) | 135.55 | 18.73 |
| 23 81 26 16-0077 | EA | Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI) | 152.71 | 25.75 |
| **23 81 26 16-0078** | | **Split System Air Conditioners (Daikin VRV)** *(23 81 26 16)* | | |
| **23 81 26 16-0079** | | **Heat Pump Outdoor Units** *(23 81 26 16-0078)* | | |
| 23 81 26 16-0080 | EA | 6 Ton Heat Pump Outdoor Unit (Daikin) | 26,195.71 | 617.02 |
| 23 81 26 16-0081 | EA | 8 Ton Heat Pump Outdoor Unit (Daikin) | 29,277.27 | 734.54 |
| 23 81 26 16-0082 | EA | 10 Ton Heat Pump Outdoor Unit (Daikin) | 32,636.56 | 881.45 |
| 23 81 26 16-0083 | EA | 12 Ton Heat Pump Outdoor Unit (Daikin) | 40,796.92 | 910.84 |
| 23 81 26 16-0084 | EA | 14 Ton Heat Pump Outdoor Unit (Daikin) | 54,709.05 | 969.60 |
| 23 81 26 16-0085 | EA | 16 Ton Heat Pump Outdoor Unit (Daikin) | 57,833.29 | 998.98 |
| 23 81 26 16-0086 | EA | 18 Ton Heat Pump Outdoor Unit (Daikin) | 60,797.33 | 1,057.74 |
| 23 81 26 16-0087 | EA | 20 Ton Heat Pump Outdoor Unit (Daikin) | 63,980.32 | 1,116.51 |
| 23 81 26 16-0088 | EA | 22 Ton Heat Pump Outdoor Unit (Daikin) | 82,928.60 | 1,175.27 |
| 23 81 26 16-0089 | EA | 24 Ton Heat Pump Outdoor Unit (Daikin) | 86,111.58 | 1,234.03 |
| 23 81 26 16-0090 | EA | 26 Ton Heat Pump Outdoor Unit (Daikin) | 89,294.57 | 1,292.80 |
| 23 81 26 16-0091 | EA | 28 Ton Heat Pump Outdoor Unit (Daikin) | 92,258.62 | 1,351.56 |
| 23 81 26 16-0092 | EA | 30 Ton Heat Pump Outdoor Unit (Daikin) | 95,441.61 | 1,410.33 |
| **23 81 26 16-0093** | | **Heat Recovery Heat Pump Outdoor Units** *(23 81 26 16-0078)* | | |
| 23 81 26 16-0094 | EA | 6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin) | 33,545.85 | 802.13 |
| 23 81 26 16-0095 | EA | 8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin) | 36,576.05 | 954.91 |
| 23 81 26 16-0096 | EA | 10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin) | 40,172.21 | 1,145.89 |
| 23 81 26 16-0097 | EA | 12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin) | 50,539.83 | 1,184.09 |
| 23 81 26 16-0098 | EA | 14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin) | 68,428.55 | 1,260.48 |
| 23 81 26 16-0099 | EA | 16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin) | 73,760.03 | 1,298.67 |
| 23 81 26 16-0100 | EA | 18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin) | 76,540.36 | 1,375.06 |
| 23 81 26 16-0101 | EA | 20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin) | 79,320.69 | 1,451.46 |
| 23 81 26 16-0102 | EA | 22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin) | 104,544.63 | 1,527.85 |
| 23 81 26 16-0103 | EA | 24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin) | 107,324.96 | 1,604.24 |
| 23 81 26 16-0104 | EA | 26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin) | 112,732.84 | 1,680.63 |
| 23 81 26 16-0105 | EA | 28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin) | 115,513.16 | 1,757.03 |
| **23 81 26 16-0106** | | **Indoor Units** *(23 81 26 16-0078)* | | |
| 23 81 26 16-0107 | EA | 7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin) | 2,972.78 | 205.68 |
| 23 81 26 16-0108 | EA | 9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin) | 3,106.41 | 211.55 |
| 23 81 26 16-0109 | EA | 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin) | 3,518.58 | 220.37 |
| 23 81 26 16-0110 | EA | 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin) | 3,937.71 | 279.13 |
| 23 81 26 16-0111 | EA | 24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin) | 4,315.51 | 337.89 |
| 23 81 26 16-0112 | EA | 7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin) | 4,369.00 | 226.24 |
| 23 81 26 16-0113 | EA | 9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin) | 4,516.20 | 232.70 |
| 23 81 26 16-0114 | EA | 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin) | 4,744.23 | 129.28 |
| 23 81 26 16-0115 | EA | 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin) | 5,028.44 | 307.04 |
| 23 81 26 16-0116 | EA | 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin) | 5,957.14 | 371.68 |
| 23 81 26 16-0117 | EA | 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin) | 6,817.06 | 404.00 |
| 23 81 26 16-0118 | EA | 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin) | 7,282.08 | 444.40 |
| 23 81 26 16-0119 | EA | 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin) | 7,525.89 | 488.84 |
| 23 81 26 16-0120 | EA | 7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin) | 4,893.68 | 226.24 |
| 23 81 26 16-0121 | EA | 9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin) | 5,009.90 | 232.70 |
| 23 81 26 16-0122 | EA | 12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin) | 5,328.82 | 242.40 |
| 23 81 26 16-0123 | EA | 18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin) | 5,675.00 | 307.04 |
| **23 81 26 16-0124** | | **Branch Selector Boxes** *(23 81 26 16-0078)* | | |
| 23 81 26 16-0125 | EA | 144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin) | 14,980.37 | 264.44 |
| 23 81 26 16-0126 | EA | 216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin) | 22,163.44 | 352.58 |
| 23 81 26 16-0127 | EA | 36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin) | 2,941.10 | 117.52 |
| 23 81 26 16-0128 | EA | 60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin) | 3,961.32 | 176.29 |
| 23 81 26 16-0129 | EA | 96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin) | 4,908.11 | 264.44 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **23 81 26 16-0130** | | **Controllers** *(23 81 26 16-0078)* | | |
| 23 81 26 16-0131 | EA | Up To 16 Units, Navigation Controller (Daikin) | 906.41 | 23.50 |
| 23 81 26 16-0132 | EA | Individual Zone Controller (Daikin) | 650.26 | 23.50 |
| 23 81 26 16-0133 | EA | Up To 16 Groups, Unified ON/OFF Controller (Daikin) | 1,276.16 | 23.50 |
| 23 81 26 16-0134 | EA | Up To 64 Units, Multizone Controller (Daikin) | 1,794.65 | 23.50 |
| 23 81 26 16-0135 | EA | I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin) | 16,660.71 | 282.07 |
| 23 81 26 16-0136 | EA | I-Touch Manager D3net Plus Adapter (Daikin) | 3,127.01 | 23.50 |
| 23 81 26 16-0137 | EA | 24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin)) | 685.19 | 41.48 |
| **23 81 26 16-0138** | | **Energy Recovery Units** *(23 81 26 16-0078)* | | |
| 23 81 26 16-0139 | EA | 300 CFM Energy Recovery Unit (Daikin) | 5,166.76 | 146.90 |
| 23 81 26 16-0140 | EA | 470 CFM Energy Recovery Unit (Daikin) | 6,711.24 | 152.78 |
| 23 81 26 16-0141 | EA | 600 CFM Energy Recovery Unit (Daikin) | 8,036.77 | 158.67 |
| 23 81 26 16-0142 | EA | 1,200 CFM Energy Recovery Unit (Daikin) | 15,023.04 | 176.29 |
| **23 81 43** | | **Air-Source Unitary Heat Pumps** *(23 81)* | | |
| **23 81 43 00-0001** | | **Single Package Thru-Wall Heat Pumps** *(23 81 43)*<br>Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0969 for crane lifting equipment. | | |
| 23 81 43 00-0002 | EA | 1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 2,238.77 | 191.07 |
| | | *For Unit Economizer, Add* | *298.65* | |
| | | *For >35 To 70, Deduct* | *-56.08* | |
| | | *For >70 To 100, Deduct* | *-93.47* | |
| | | *For >100, Deduct* | *-130.86* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *260.59* | |
| 23 81 43 00-0003 | EA | 1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 2,471.96 | 203.82 |
| | | *For Unit Economizer, Add* | *330.28* | |
| | | *For >35 To 70, Deduct* | *-62.31* | |
| | | *For >70 To 100, Deduct* | *-103.85* | |
| | | *For >100, Deduct* | *-145.39* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *285.66* | |
| 23 81 43 00-0004 | EA | 1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 4,216.70 | 203.82 |
| | | *For Unit Economizer, Add* | *574.54* | |
| | | *For >35 To 70, Deduct* | *-114.65* | |
| | | *For >70 To 100, Deduct* | *-191.09* | |
| | | *For >100, Deduct* | *-267.53* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *442.69* | |
| 23 81 43 00-0005 | EA | 2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 4,616.04 | 203.82 |
| | | *For Unit Economizer, Add* | *629.43* | |
| | | *For >35 To 70, Deduct* | *-125.87* | |
| | | *For >70 To 100, Deduct* | *-209.78* | |
| | | *For >100, Deduct* | *-293.70* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *230.96* | |
| 23 81 43 00-0006 | EA | 2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 5,223.10 | 216.55 |
| | | *For Unit Economizer, Add* | *713.40* | |
| | | *For >35 To 70, Deduct* | *-143.32* | |
| | | *For >70 To 100, Deduct* | *-238.86* | |
| | | *For >100, Deduct* | *-334.41* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *254.78* | |
| 23 81 43 00-0007 | EA | 3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 5,472.35 | 229.29 |
| | | *For Unit Economizer, Add* | *748.30* | |
| | | *For >35 To 70, Deduct* | *-150.80* | |
| | | *For >70 To 100, Deduct* | *-251.33* | |
| | | *For >100, Deduct* | *-351.86* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *764.91* | |
| 23 81 43 00-0008 | EA | 3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 6,162.49 | 229.29 |
| | | *For Unit Economizer, Add* | *843.90* | |
| | | *For >35 To 70, Deduct* | *-170.74* | |
| | | *For >70 To 100, Deduct* | *-284.56* | |
| | | *For >100, Deduct* | *-398.38* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *857.68* | |
| 23 81 43 00-0009 | EA | 4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 6,798.35 | 242.02 |
| | | *For Unit Economizer, Add* | *932.41* | |
| | | *For >35 To 70, Deduct* | *-189.43* | |
| | | *For >70 To 100, Deduct* | *-315.71* | |
| | | *For >100, Deduct* | *-442.00* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *941.87* | |
| 23 81 43 00-0010 | EA | 5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 7,830.22 | 280.24 |
| | | *For Unit Economizer, Add* | *1,073.81* | |
| | | *For >35 To 70, Deduct* | *-218.09* | |
| | | *For >70 To 100, Deduct* | *-363.49* | |
| | | *For >100, Deduct* | *-508.88* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *1,085.19* | |
| 23 81 43 00-0011 | EA | 7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 14,342.25 | 331.19 |
| | | *For Unit Economizer, Add* | *1,980.91* | |
| | | *For >35 To 70, Deduct* | *-410.01* | |
| | | *For >70 To 100, Deduct* | *-683.36* | |
| | | *For >100, Deduct* | *-956.70* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *1,945.51* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 81 43 00-0012 | EA | 10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 18,467.01 | 420.36 |
| | | *For Unit Economizer, Add* | *2,551.24* | |
| | | *For >35 To 70, Deduct* | *-528.41* | |
| | | *For >70 To 100, Deduct* | *-880.68* | |
| | | *For >100, Deduct* | *-1,232.95* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *389.50* | |
| 23 81 43 00-0013 | EA | 12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 22,544.16 | 471.32 |
| | | *For Unit Economizer, Add* | *3,118.48* | |
| | | *For >35 To 70, Deduct* | *-648.05* | |
| | | *For >70 To 100, Deduct* | *-1,080.08* | |
| | | *For >100, Deduct* | *-1,512.11* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *451.67* | |
| 23 81 43 00-0014 | EA | 15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 27,809.94 | 535.01 |
| | | *For Unit Economizer, Add* | *3,851.10* | |
| | | *For >35 To 70, Deduct* | *-802.58* | |
| | | *For >70 To 100, Deduct* | *-1,337.63* | |
| | | *For >100, Deduct* | *-1,872.69* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *531.85* | |
| 23 81 43 00-0015 | EA | 20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 37,038.22 | 573.22 |
| | | *For Unit Economizer, Add* | *5,139.49* | |
| | | *For >35 To 70, Deduct* | *-1,076.75* | |
| | | *For >70 To 100, Deduct* | *-1,794.59* | |
| | | *For >100, Deduct* | *-2,512.42* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *645.53* | |
| 23 81 43 00-0016 | EA | 25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat | 44,617.57 | 624.18 |
| | | *For Unit Economizer, Add* | *6,196.53* | |
| | | *For >35 To 70, Deduct* | *-1,301.08* | |
| | | *For >70 To 100, Deduct* | *-2,168.46* | |
| | | *For >100, Deduct* | *-3,035.85* | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *745.78* | |

## 23 81 43 00-0017 Single Package Vertical Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0969 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 23 81 43 00-0018 | EA | 1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat | 3,439.26 | 254.77 |
| 23 81 43 00-0019 | EA | 1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat | 4,171.17 | 280.24 |
| 23 81 43 00-0020 | EA | 1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat | 5,389.75 | 292.99 |
| 23 81 43 00-0021 | EA | 2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat | 6,178.53 | 318.46 |
| 23 81 43 00-0022 | EA | 2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat | 7,724.72 | 369.41 |
| 23 81 43 00-0023 | EA | 3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat | 8,253.44 | 420.36 |
| 23 81 43 00-0024 | EA | 3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat | 8,964.64 | 471.32 |
| 23 81 43 00-0025 | EA | 4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat | 10,086.96 | 522.27 |
| 23 81 43 00-0026 | EA | 5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat | 11,373.98 | 624.18 |

## 23 81 43 00-0027 Heat Pump, Room Air-Conditioners *(23 81 43)*

Note: Includes throwaway filters and supplemental heat.

## 23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners *(23 81 43 00-0027)*

## 23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 43 00-0028)*

| | | | | |
|---|---|---|---|---|
| 23 81 43 00-0030 | EA | 10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C) | 2,579.44 | 123.40 |
| | | *For >10 To 50, Deduct* | *-116.63* | |
| | | *For >50 To 75, Deduct* | *-163.28* | |
| | | *For >75 To 100, Deduct* | *-233.26* | |
| | | *For >100, Deduct* | *-279.92* | |
| 23 81 43 00-0031 | EA | 12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C) | 2,915.61 | 123.40 |
| | | *For >10 To 50, Deduct* | *-133.44* | |
| | | *For >50 To 75, Deduct* | *-186.82* | |
| | | *For >75 To 100, Deduct* | *-266.88* | |
| | | *For >100, Deduct* | *-320.26* | |
| 23 81 43 00-0032 | EA | 17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A) | 3,419.86 | 123.40 |
| | | *For >10 To 50, Deduct* | *-158.65* | |
| | | *For >50 To 75, Deduct* | *-222.11* | |
| | | *For >75 To 100, Deduct* | *-317.31* | |
| | | *For >100, Deduct* | *-380.77* | |
| 23 81 43 00-0033 | EA | 24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D) | 3,980.14 | 123.40 |
| | | *For >10 To 50, Deduct* | *-186.67* | |
| | | *For >50 To 75, Deduct* | *-261.33* | |
| | | *For >75 To 100, Deduct* | *-373.33* | |
| | | *For >100, Deduct* | *-448.00* | |

## 23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners *(23 81 43 00-0027)*

Note: Base unit excludes wall sleeve.

## 23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 43 00-0034)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 81 43 00-0036 | EA | 9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D) | 2,602.30 | 88.14 |
| | | *For >10 To 50, Deduct* | *-121.30* | |
| | | *For >50 To 75, Deduct* | *-169.82* | |
| | | *For >75 To 100, Deduct* | *-242.60* | |
| | | *For >100, Deduct* | *-291.12* | |
| | | *For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add* | *276.66* | |
| 23 81 43 00-0037 | EA | 11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A) | 2,602.30 | 88.14 |
| | | *For >10 To 50, Deduct* | *-121.30* | |
| | | *For >50 To 75, Deduct* | *-169.82* | |
| | | *For >75 To 100, Deduct* | *-242.60* | |
| | | *For >100, Deduct* | *-291.12* | |
| | | *For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add* | *276.66* | |

## 23 81 46 Water-Source Unitary Heat Pumps *(23 81)*

### 23 81 46 00-0001 Horizontal, Ceiling Mounted, Single Stage, 208/230-1-60, With 2-Way Solenoid Valve, Water Source Heat Pumps *(23 81 46)*

Note: Includes rubber isolator hanger brackets.

| | | | | |
|---|---|---|---|---|
| 23 81 46 00-0002 | EA | 1/2 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump | 4,483.56 | 234.21 |
| 23 81 46 00-0003 | EA | 3/4 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump | 4,631.05 | 234.21 |
| 23 81 46 00-0004 | EA | 1 Ton, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump | 5,362.92 | 257.63 |
| 23 81 46 00-0005 | EA | 1-1/2 Ton, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump | 5,642.48 | 281.04 |
| 23 81 46 00-0006 | EA | 2 Ton, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump | 6,049.86 | 304.46 |
| 23 81 46 00-0007 | EA | 2-1/2 Ton, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump | 7,145.57 | 327.89 |
| 23 81 46 00-0008 | EA | 3 Ton, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump | 7,290.73 | 351.31 |
| 23 81 46 00-0009 | EA | 3-1/2 Ton, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump | 7,960.33 | 374.72 |
| 23 81 46 00-0010 | EA | 4 Ton, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump | 8,498.81 | 398.15 |
| 23 81 46 00-0011 | EA | 5 Ton, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump | 8,627.61 | 421.57 |

## 23 81 49 Split System Heat Pumps *(23 81)*

### 23 81 49 00-0001 Split System Heat Pump *(23 81 49)*

See CSI section 23 23 16 00-0001 for piping.

### 23 81 49 00-0002 Air-Cooled, Outdoor Section *(23 81 49 00-0001)*

Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.

| | | | | |
|---|---|---|---|---|
| 23 81 49 00-0003 | EA | 1.5 Ton, 14 SEER, Outdoor Heat Pump Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 4,278.02 | 378.33 |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *773.12* | |
| | | *For Winterstart Control, Add* | *205.51* | |
| | | *For 15 SEER, Add* | *666.86* | |
| | | *For 16 SEER, Add* | *1,074.39* | |
| | | *For 18 SEER, Add* | *1,630.11* | |
| 23 81 49 00-0004 | EA | 2 Ton, 14 SEER, Outdoor Heat Pump Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 4,413.91 | 420.36 |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *801.32* | |
| | | *For Winterstart Control, Add* | *214.77* | |
| | | *For 15 SEER, Add* | *679.86* | |
| | | *For 16 SEER, Add* | *1,095.33* | |
| | | *For 18 SEER, Add* | *1,661.88* | |
| 23 81 49 00-0005 | EA | 2.5 Ton, 14 SEER, Outdoor Heat Pump Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 4,824.56 | 487.87 |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *879.28* | |
| | | *For Winterstart Control, Add* | *237.31* | |
| | | *For 15 SEER, Add* | *735.43* | |
| | | *For 16 SEER, Add* | *1,184.86* | |
| | | *For 18 SEER, Add* | *1,797.73* | |
| 23 81 49 00-0006 | EA | 3 Ton, 14 SEER, Outdoor Heat Pump Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 5,268.63 | 560.48 |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *742.64* | |
| | | *For Winterstart Control, Add* | *261.70* | |
| | | *For 15 SEER, Add* | *795.49* | |
| | | *For 16 SEER, Add* | *1,281.62* | |
| | | *For 18 SEER, Add* | *1,944.52* | |
| 23 81 49 00-0007 | EA | 3.5 Ton, 14 SEER, Outdoor Heat Pump Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 5,435.67 | 582.14 |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *766.92* | |
| | | *For Winterstart Control, Add* | *270.34* | |
| | | *For 15 SEER, Add* | *819.69* | |
| | | *For 16 SEER, Add* | *1,320.61* | |
| | | *For 18 SEER, Add* | *2,003.68* | |
| 23 81 49 00-0008 | EA | 4 Ton, 14 SEER, Outdoor Heat Pump Unit<br>Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | 6,037.03 | 668.76 |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *848.64* | |
| | | *For Winterstart Control, Add* | *298.80* | |
| | | *For 15 SEER, Add* | *914.70* | |
| | | *For 16 SEER, Add* | *1,473.68* | |
| | | *For 18 SEER, Add* | *2,235.93* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 81 49 00-0009 | EA | 5 Ton, 14 SEER, Outdoor Heat Pump Unit | 6,872.03 | 735.63 |
| | | Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *553.78* | |
| | | *For Winterstart Control, Add* | *163.30* | |
| | | *For 15 SEER, Add* | *1,047.80* | |
| | | *For 16 SEER, Add* | *1,688.13* | |
| | | *For 18 SEER, Add* | *2,561.30* | |
| 23 81 49 00-0010 | EA | 7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit | 7,604.20 | 822.69 |
| | | Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *615.26* | |
| | | *For Winterstart Control, Add* | *181.82* | |
| 23 81 49 00-0011 | EA | 10 Ton, 11.1 EER, Outdoor Heat Pump Unit | 10,513.76 | 987.23 |
| | | Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *433.75* | |
| | | *For Winterstart Control, Add* | *232.27* | |
| 23 81 49 00-0012 | EA | 15 Ton, 10.9 EER, Outdoor Heat Pump Unit | 13,823.89 | 1,151.77 |
| | | Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *490.96* | |
| | | *For Winterstart Control, Add* | *285.97* | |
| 23 81 49 00-0013 | EA | 20 Ton, 10.3 EER, Outdoor Heat Pump Unit | 24,811.86 | 1,234.03 |
| | | Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. | | |
| | | *For Low Ambient Protection, 0 Degree F, Add* | *521.24* | |
| | | *For Winterstart Control, Add* | *406.75* | |

### 23 81 49 00-0014 Indoor Section, Horizontal Upflow *(23 81 49 00-0001)*

Note: Electric heat. Includes throwaway filters.

| | | | | |
|---|---|---|---|---|
| 23 81 49 00-0015 | EA | 2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat | 1,316.61 | 125.75 |
| | | *For Additional 5 KW Electric Heat, Add* | *119.02* | |
| 23 81 49 00-0016 | EA | 2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat | 1,452.46 | 156.66 |
| | | *For Additional 5 KW Electric Heat, Add* | *129.58* | |
| 23 81 49 00-0017 | EA | 3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat | 1,518.18 | 189.21 |
| | | *For Additional 5 KW Electric Heat, Add* | *132.86* | |
| 23 81 49 00-0018 | EA | 3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat | 2,044.12 | 221.54 |
| | | *For Additional 5 KW Electric Heat, Add* | *182.24* | |
| 23 81 49 00-0019 | EA | 4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat | 2,100.74 | 249.75 |
| | | *For Additional 5 KW Electric Heat, Add* | *185.07* | |
| 23 81 49 00-0020 | EA | 5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat | 2,330.80 | 286.76 |
| | | *For Additional 5 KW Electric Heat, Add* | *204.42* | |
| 23 81 49 00-0021 | EA | 7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat | 4,964.55 | 470.11 |
| | | *For Additional 5 KW Electric Heat, Add* | *449.44* | |
| 23 81 49 00-0022 | EA | 10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat | 7,308.97 | 528.87 |
| | | *For Additional 5 KW Electric Heat, Add* | *678.01* | |
| 23 81 49 00-0023 | EA | 15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat | 10,243.90 | 587.64 |
| | | *For Additional 5 KW Electric Heat, Add* | *965.63* | |
| 23 81 49 00-0024 | EA | 20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat | 11,645.28 | 705.16 |
| | | *For Additional 5 KW Electric Heat, Add* | *1,094.00* | |

### 23 81 49 00-0025 Ductless Split System Heat Pumps *(23 81 49 00-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.

### 23 81 49 00-0026 Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)*

| | | | | |
|---|---|---|---|---|
| 23 81 49 00-0027 | EA | 9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps | 2,405.64 | 387.84 |
| | | Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | | |
| 23 81 49 00-0028 | EA | 11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps | 2,658.06 | 423.09 |
| | | Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | | |
| 23 81 49 00-0029 | EA | 17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps | 3,236.13 | 470.11 |
| | | Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | | |
| 23 81 49 00-0030 | EA | 24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps | 3,721.73 | 517.12 |
| | | Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | | |
| 23 81 49 00-0031 | EA | 25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps | 5,246.00 | 564.13 |
| | | Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | | |
| 23 81 49 00-0032 | EA | 29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps | 6,065.15 | 587.64 |
| | | Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | | |
| 23 81 49 00-0033 | EA | 31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps | 6,649.74 | 626.42 |
| | | Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | | |

### 23 81 49 00-0034 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

| | | | | |
|---|---|---|---|---|
| 23 81 49 00-0035 | EA | 7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps | 1,002.29 | 188.05 |
| | | Note: Includes indoor unit and wireless thermostat. | | |
| 23 81 49 00-0036 | EA | 9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps | 1,058.61 | 199.80 |
| | | Note: Includes indoor unit and wireless thermostat. | | |
| 23 81 49 00-0037 | EA | 11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps | 1,115.82 | 211.55 |
| | | Note: Includes indoor unit and wireless thermostat. | | |
| 23 81 49 00-0038 | EA | 17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps | 1,267.30 | 223.30 |
| | | Note: Includes indoor unit and wireless thermostat. | | |
| 23 81 49 00-0039 | EA | 24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps | 1,350.54 | 235.06 |
| | | Note: Includes indoor unit and wireless thermostat. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 81 49 00-0040 | EA | 19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps<br>Note: Includes outdoor unit and refrigerant charge. | 2,960.10 | 282.07 |
| 23 81 49 00-0041 | EA | 23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps<br>Note: Includes outdoor unit and refrigerant charge. | 3,503.64 | 305.57 |
| 23 81 49 00-0042 | EA | 30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps<br>Note: Includes outdoor unit and refrigerant charge. | 5,651.42 | 329.08 |
| 23 81 49 00-0043 | | Suspended Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)*<br>Note: Excludes hangers. | | |
| 23 81 49 00-0044 | EA | 24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 5,599.71 | 564.13 |
| 23 81 49 00-0045 | EA | 31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 6,797.63 | 673.43 |
| 23 81 49 00-0046 | EA | 39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 8,183.15 | 705.16 |
| 23 81 49 00-0047 | | Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)*<br>Note: Excludes hangers. | | |
| 23 81 49 00-0048 | EA | 11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 3,728.99 | 470.11 |
| 23 81 49 00-0049 | EA | 17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 4,227.15 | 517.12 |
| 23 81 49 00-0050 | EA | 24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 5,582.58 | 611.14 |
| 23 81 49 00-0051 | EA | 32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 6,438.54 | 673.43 |
| 23 81 49 00-0052 | EA | 39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps<br>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge. | 8,003.61 | 705.16 |
| 23 81 49 00-0053 | | Mitsubishi Ductless Split System Heat Pumps *(23 81 49 00-0001)*<br>Note: Excludes electrical. See CSI section 23 81 26 13-0030 for accessories. | | |
| 23 81 49 00-0054 | | Mitsubishi Outdoor Condensing Heatpump Unit (P-Series) *(23 81 49 00-0053)* | | |
| 23 81 49 00-0055 | EA | 240 MBH Cooling, 270 MBH Heating, 460 Volt, 3 Phase, Heat Pump Condensing Unit (Mitsubishi PUHY-P240YSUMU-A)<br>Note: Includes two PUHY-P120 & one CMY-Y100CBK3 Twinning Kit | 44,195.69 | 1,234.03 |

## 23 82 Convection Heating and Cooling Units *(23 80)*

### 23 82 16 Air Coils *(23 82)*

### 23 82 16 11 Hydronic Air Coils *(23 82 16)*

| | | | | |
|---|---|---|---|---|
| 23 82 16 11-0001 | | Chilled Water Cooling Coils *(23 82 16 11)*<br>Note: Flanged construction, 16 gauge galvanized steel casing. | | |
| 23 82 16 11-0002 | | 2 Row Chilled Water Cooling Coils *(23 82 16 11-0001)* | | |
| 23 82 16 11-0003 | EA | 12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 2,025.90 | 58.55 |
| 23 82 16 11-0004 | EA | 12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 3,374.80 | 79.63 |
| 23 82 16 11-0005 | EA | 24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 4,530.38 | 125.30 |
| 23 82 16 11-0006 | EA | 24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 5,452.32 | 179.16 |
| 23 82 16 11-0007 | EA | 30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 5,766.07 | 220.16 |
| 23 82 16 11-0008 | EA | 30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 6,439.39 | 266.99 |
| 23 82 16 11-0009 | EA | 30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 6,883.23 | 309.15 |
| 23 82 16 11-0010 | EA | 30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 7,428.92 | 546.16 |
| 23 82 16 11-0011 | EA | 34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 4,654.62 | 207.63 |
| 23 82 16 11-0012 | EA | 34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 5,941.57 | 353.53 |
| 23 82 16 11-0013 | EA | 34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 6,640.37 | 439.14 |
| 23 82 16 11-0014 | EA | 34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 7,254.03 | 530.36 |
| 23 82 16 11-0015 | EA | 34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 7,906.63 | 617.59 |
| 23 82 16 11-0016 | SF | >20 SF, Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 398.65 | 31.13 |
| 23 82 16 11-0017 | | 4 Row Chilled Water Cooling Coils *(23 82 16 11-0001)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 16 11-0018 | EA | 12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 2,509.04 | 121.78 |
| 23 82 16 11-0019 | EA | 12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 4,049.17 | 175.66 |
| 23 82 16 11-0020 | EA | 24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 5,493.17 | 292.76 |
| 23 82 16 11-0021 | EA | 24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 6,681.10 | 434.45 |
| 23 82 16 11-0022 | EA | 30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 7,708.78 | 532.82 |
| 23 82 16 11-0023 | EA | 30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 9,153.39 | 651.08 |
| 23 82 16 11-0024 | EA | 30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 10,168.63 | 781.07 |
| 23 82 16 11-0025 | EA | 30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 9,869.26 | 909.18 |
| 23 82 16 11-0026 | EA | 34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 6,296.08 | 392.41 |
| 23 82 16 11-0027 | EA | 34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 7,985.27 | 590.20 |
| 23 82 16 11-0028 | EA | 34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 8,830.60 | 731.89 |
| 23 82 16 11-0029 | EA | 34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 9,814.93 | 881.78 |
| 23 82 16 11-0030 | EA | 34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 10,734.45 | 1,030.85 |
| **23 82 16 11-0031** | | **6 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)* | | |
| 23 82 16 11-0032 | EA | 12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 3,554.77 | 154.58 |
| 23 82 16 11-0033 | EA | 12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 4,158.84 | 229.52 |
| 23 82 16 11-0034 | EA | 24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 5,612.83 | 391.12 |
| 23 82 16 11-0035 | EA | 24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 7,588.72 | 585.51 |
| 23 82 16 11-0036 | EA | 30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 9,995.54 | 731.89 |
| 23 82 16 11-0037 | EA | 30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 11,314.87 | 900.52 |
| 23 82 16 11-0038 | EA | 30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 13,152.48 | 1,064.45 |
| 23 82 16 11-0039 | EA | 30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 12,389.85 | 1,240.46 |
| 23 82 16 11-0040 | EA | 34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 7,855.34 | 536.21 |
| 23 82 16 11-0041 | EA | 34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 9,983.62 | 804.26 |
| 23 82 16 11-0042 | EA | 34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 11,175.98 | 1,007.08 |
| 23 82 16 11-0043 | EA | 34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 12,328.78 | 1,209.79 |
| 23 82 16 11-0044 | EA | 34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 13,489.09 | 1,407.45 |
| **23 82 16 11-0045** | | **8 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)* | | |
| 23 82 16 11-0046 | EA | 12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 4,448.88 | 186.19 |
| 23 82 16 11-0047 | EA | 12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 5,403.38 | 285.73 |
| 23 82 16 11-0048 | EA | 24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 8,002.25 | 509.40 |
| 23 82 16 11-0049 | EA | 24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 10,546.15 | 781.07 |
| 23 82 16 11-0050 | EA | 30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 12,635.29 | 976.64 |
| 23 82 16 11-0051 | EA | 30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 14,648.94 | 1,171.02 |
| 23 82 16 11-0052 | EA | 30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 16,872.22 | 1,301.01 |
| 23 82 16 11-0053 | EA | 30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 14,165.56 | 1,509.10 |
| 23 82 16 11-0054 | EA | 34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 8,937.84 | 653.43 |
| 23 82 16 11-0055 | EA | 34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 11,386.78 | 982.37 |
| 23 82 16 11-0056 | EA | 34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 12,767.49 | 1,223.71 |
| 23 82 16 11-0057 | EA | 34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 14,075.52 | 1,463.77 |
| 23 82 16 11-0058 | EA | 34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted | 15,452.68 | 1,722.10 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 23 82 16 11-0059 Hot Water Heating Coils *(23 82 16 11)*

Note: Flanged construction.

### 23 82 16 11-0060 1 Row Hot Water Heating Coils *(23 82 16 11-0059)*

| | | | | |
|---|---|---|---|---|
| 23 82 16 11-0061 | EA | 12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction | 1,568.16 | 158.09 |
| | | *For 10 Fins Per Inch, Add* | *25.03* | |
| | | *For 12 Fins Per Inch, Add* | *62.58* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *345.28* | |
| 23 82 16 11-0062 | EA | 12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction | 2,338.18 | 202.59 |
| | | *For 10 Fins Per Inch, Add* | *38.69* | |
| | | *For 12 Fins Per Inch, Add* | *96.72* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *508.02* | |
| 23 82 16 11-0063 | EA | 24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction | 2,833.37 | 278.71 |
| | | *For 10 Fins Per Inch, Add* | *45.51* | |
| | | *For 12 Fins Per Inch, Add* | *113.79* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *622.44* | |
| 23 82 16 11-0064 | EA | 24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction | 3,340.89 | 391.12 |
| | | *For 10 Fins Per Inch, Add* | *51.20* | |
| | | *For 12 Fins Per Inch, Add* | *128.01* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *746.25* | |
| 23 82 16 11-0065 | EA | 30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction | 3,781.49 | 468.41 |
| | | *For 10 Fins Per Inch, Add* | *56.89* | |
| | | *For 12 Fins Per Inch, Add* | *142.23* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *849.98* | |
| 23 82 16 11-0066 | EA | 30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction | 4,413.95 | 585.51 |
| | | *For 10 Fins Per Inch, Add* | *64.86* | |
| | | *For 12 Fins Per Inch, Add* | *162.15* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *999.89* | |
| 23 82 16 11-0067 | EA | 30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction | 4,942.32 | 649.92 |
| | | *For 10 Fins Per Inch, Add* | *72.82* | |
| | | *For 12 Fins Per Inch, Add* | *182.06* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *1,118.58* | |
| 23 82 16 11-0068 | EA | 30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction | 6,132.22 | 755.66 |
| | | *For 10 Fins Per Inch, Add* | *92.31* | |
| | | *For 12 Fins Per Inch, Add* | *230.77* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *1,378.13* | |
| 23 82 16 11-0069 | EA | 34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction | 2,647.62 | 327.42 |
| | | *For 10 Fins Per Inch, Add* | *39.85* | |
| | | *For 12 Fins Per Inch, Add* | *99.63* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *595.02* | |
| 23 82 16 11-0070 | EA | 34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction | 3,971.40 | 491.24 |
| | | *For 10 Fins Per Inch, Add* | *59.78* | |
| | | *For 12 Fins Per Inch, Add* | *149.45* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *892.52* | |
| 23 82 16 11-0071 | EA | 34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction | 5,969.59 | 743.01 |
| | | *For 10 Fins Per Inch, Add* | *89.67* | |
| | | *For 12 Fins Per Inch, Add* | *224.18* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *1,342.52* | |
| 23 82 16 11-0072 | EA | 34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction | 6,952.83 | 861.05 |
| | | *For 10 Fins Per Inch, Add* | *104.61* | |
| | | *For 12 Fins Per Inch, Add* | *261.54* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *1,562.78* | |
| 23 82 16 11-0073 | SF | >15 SF Hot Water Heating Coil, 1 Row, Flanged Construction | 315.71 | 43.33 |
| | | *For 10 Fins Per Inch, Add* | *4.58* | |
| | | *For 12 Fins Per Inch, Add* | *11.45* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *71.81* | |

### 23 82 16 11-0074 2 Row Hot Water Heating Coils *(23 82 16 11-0059)*

| | | | | |
|---|---|---|---|---|
| 23 82 16 11-0075 | EA | 12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction | 2,552.29 | 195.56 |
| | | *For 10 Fins Per Inch, Add* | *43.24* | |
| | | *For 12 Fins Per Inch, Add* | *108.10* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *549.49* | |
| 23 82 16 11-0076 | EA | 12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction | 2,739.31 | 259.96 |
| | | *For 10 Fins Per Inch, Add* | *44.38* | |
| | | *For 12 Fins Per Inch, Add* | *110.94* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *599.91* | |
| 23 82 16 11-0077 | EA | 24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction | 3,682.25 | 391.12 |
| | | *For 10 Fins Per Inch, Add* | *58.03* | |
| | | *For 12 Fins Per Inch, Add* | *145.08* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *814.52* | |
| 23 82 16 11-0078 | EA | 24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction | 4,415.08 | 557.40 |
| | | *For 10 Fins Per Inch, Add* | *66.00* | |
| | | *For 12 Fins Per Inch, Add* | *164.99* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *994.54* | |
| 23 82 16 11-0079 | EA | 30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction | 5,075.75 | 688.56 |
| | | *For 10 Fins Per Inch, Add* | *73.96* | |
| | | *For 12 Fins Per Inch, Add* | *184.90* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *1,152.92* | |
| 23 82 16 11-0080 | EA | 30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction | 5,370.97 | 836.11 |
| | | *For 10 Fins Per Inch, Add* | *73.96* | |
| | | *For 12 Fins Per Inch, Add* | *184.90* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *1,241.48* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 16 11-0081 | EA | 30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction | 6,048.03 | 976.64 |
| | | *For 10 Fins Per Inch, Add* | *81.93* | |
| | | *For 12 Fins Per Inch, Add* | *204.82* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *1,404.78* | |
| 23 82 16 11-0082 | EA | 30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction | 7,461.73 | 1,134.72 |
| | | *For 10 Fins Per Inch, Add* | *103.85* | |
| | | *For 12 Fins Per Inch, Add* | *259.62* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *1,719.29* | |
| 23 82 16 11-0083 | EA | 34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction | 3,220.85 | 489.61 |
| | | *For 10 Fins Per Inch, Add* | *44.83* | |
| | | *For 12 Fins Per Inch, Add* | *112.09* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *742.08* | |
| 23 82 16 11-0084 | EA | 34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction | 4,833.75 | 735.52 |
| | | *For 10 Fins Per Inch, Add* | *67.25* | |
| | | *For 12 Fins Per Inch, Add* | *168.13* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *1,113.86* | |
| 23 82 16 11-0085 | EA | 34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction | 7,261.76 | 1,108.95 |
| | | *For 10 Fins Per Inch, Add* | *100.88* | |
| | | *For 12 Fins Per Inch, Add* | *252.20* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *1,674.14* | |
| 23 82 16 11-0086 | EA | 34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction | 8,475.38 | 1,295.39 |
| | | *For 10 Fins Per Inch, Add* | *117.69* | |
| | | *For 12 Fins Per Inch, Add* | *294.23* | |
| | | *For 230 PSIG Heavy-Duty, Add* | *1,954.15* | |
| 23 82 16 11-0087 | | **Hot Water Preheat Coils For Multi-Zone Air Handling Units** *(23 82 16 11)* | | |
| | | Note: 2 Row coils. Coils are sized by air handling unit capacity. | | |
| 23 82 16 11-0088 | EA | 3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 2,077.23 | 148.72 |
| 23 82 16 11-0089 | EA | 4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 2,668.92 | 147.55 |
| 23 82 16 11-0090 | EA | 5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 3,280.65 | 158.09 |
| 23 82 16 11-0091 | EA | 6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 3,814.92 | 172.14 |
| 23 82 16 11-0092 | EA | 7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 3,830.81 | 180.34 |
| 23 82 16 11-0093 | EA | 9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 4,644.76 | 189.71 |
| 23 82 16 11-0094 | EA | 11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 4,806.63 | 213.13 |
| 23 82 16 11-0095 | EA | 13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 5,313.90 | 238.89 |
| 23 82 16 11-0096 | EA | 16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 5,976.11 | 285.73 |
| 23 82 16 11-0097 | EA | 19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 6,517.44 | 299.78 |
| 23 82 16 11-0098 | EA | 22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 8,370.49 | 317.34 |
| 23 82 16 11-0099 | EA | 27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 10,653.10 | 434.45 |
| 23 82 16 11-0100 | EA | 34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 13,387.69 | 532.82 |
| 23 82 16 11-0101 | EA | 40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 15,613.01 | 557.40 |
| 23 82 16 11-0102 | EA | 47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit | 18,340.73 | 649.92 |
| **23 82 16 12** | | **Steam Air Coils** *(23 82 16)* | | |
| 23 82 16 12-0001 | | **Steam Heating Coils** *(23 82 16 12)* | | |
| | | Note: Flanged construction. | | |
| 23 82 16 12-0002 | EA | 12" x 12" Steam Heating Coils, 1 Row Flanged Construction | 2,474.72 | 110.08 |
| | | *For 2 Row Coil, Add* | *786.19* | |
| | | *For 4 Row Coil, Add* | *2,073.89* | |
| 23 82 16 12-0003 | EA | 12" x 24" Steam Heating Coils, 1 Row Flanged Construction | 2,721.14 | 152.23 |
| | | *For 2 Row Coil, Add* | *877.17* | |
| | | *For 4 Row Coil, Add* | *2,307.70* | |
| 23 82 16 12-0004 | EA | 24" x 30" Steam Heating Coils, 1 Row Flanged Construction | 3,525.60 | 272.84 |
| | | *For 2 Row Coil, Add* | *1,166.61* | |
| | | *For 4 Row Coil, Add* | *3,054.68* | |
| 23 82 16 12-0005 | EA | 24" x 48" Steam Heating Coils, 1 Row Flanged Construction | 4,406.14 | 391.12 |
| | | *For 2 Row Coil, Add* | *1,477.98* | |
| | | *For 4 Row Coil, Add* | *3,860.60* | |
| 23 82 16 12-0006 | EA | 30" x 48" Steam Heating Coils, 1 Row Flanged Construction | 4,884.55 | 468.41 |
| | | *For 2 Row Coil, Add* | *1,652.73* | |
| | | *For 4 Row Coil, Add* | *4,310.47* | |
| 23 82 16 12-0007 | EA | 30" x 60" Steam Heating Coils, 1 Row Flanged Construction | 5,441.01 | 585.51 |
| | | *For 2 Row Coil, Add* | *1,866.51* | |
| | | *For 4 Row Coil, Add* | *4,856.35* | |
| 23 82 16 12-0008 | EA | 30" x 72" Steam Heating Coils, 1 Row Flanged Construction | 5,973.96 | 649.92 |
| | | *For 2 Row Coil, Add* | *2,052.42* | |
| | | *For 4 Row Coil, Add* | *5,338.66* | |
| 23 82 16 12-0009 | EA | 30" x 84" Steam Heating Coils, 1 Row Flanged Construction | 7,439.84 | 758.47 |
| | | *For 2 Row Coil, Add* | *2,535.32* | |
| | | *For 4 Row Coil, Add* | *6,604.12* | |
| 23 82 16 12-0010 | EA | 34" x 32" Steam Heating Coils, 1 Row Flanged Construction | 3,212.17 | 327.42 |
| | | *For 2 Row Coil, Add* | *1,094.64* | |
| | | *For 4 Row Coil, Add* | *2,851.36* | |
| 23 82 16 12-0011 | EA | 34" x 48" Steam Heating Coils, 1 Row Flanged Construction | 4,818.27 | 491.24 |
| | | *For 2 Row Coil, Add* | *1,641.96* | |
| | | *For 4 Row Coil, Add* | *4,277.05* | |
| 23 82 16 12-0012 | EA | 34" x 72" Steam Heating Coils, 1 Row Flanged Construction | 7,224.90 | 735.52 |
| | | *For 2 Row Coil, Add* | *2,461.70* | |
| | | *For 4 Row Coil, Add* | *6,412.51* | |
| 23 82 16 12-0013 | EA | 34" x 84" Steam Heating Coils, 1 Row Flanged Construction | 8,434.84 | 861.05 |
| | | *For 2 Row Coil, Add* | *2,874.87* | |
| | | *For 4 Row Coil, Add* | *7,488.37* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 23 82 16 13 Refrigerant Air Coils *(23 82 16)*

### 23 82 16 13-0001 Direct Expansion Cooling Coils *(23 82 16 13)*

Note: Flanged construction 16 gauge galvanized steel casing.

### 23 82 16 13-0002 2 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 82 16 13-0003 | EA | 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 1,943.40 | 87.83 |
| | | *For 10 Fins Per Inch, Add* | *35.35* | |
| | | *For 12 Fins Per Inch, Add* | *88.37* | |
| 23 82 16 13-0004 | EA | 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 3,776.06 | 120.61 |
| | | *For 10 Fins Per Inch, Add* | *70.69* | |
| | | *For 12 Fins Per Inch, Add* | *176.73* | |
| 23 82 16 13-0005 | EA | 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 5,189.72 | 189.71 |
| | | *For 10 Fins Per Inch, Add* | *96.24* | |
| | | *For 12 Fins Per Inch, Add* | *240.60* | |
| 23 82 16 13-0006 | EA | 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 6,231.53 | 272.84 |
| | | *For 10 Fins Per Inch, Add* | *113.74* | |
| | | *For 12 Fins Per Inch, Add* | *284.34* | |
| 23 82 16 13-0007 | EA | 30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 7,230.93 | 333.74 |
| | | *For 10 Fins Per Inch, Add* | *131.24* | |
| | | *For 12 Fins Per Inch, Add* | *328.09* | |
| 23 82 16 13-0008 | EA | 30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 8,069.30 | 404.00 |
| | | *For 10 Fins Per Inch, Add* | *145.23* | |
| | | *For 12 Fins Per Inch, Add* | *363.09* | |
| 23 82 16 13-0009 | EA | 30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 9,248.41 | 468.41 |
| | | *For 10 Fins Per Inch, Add* | *166.23* | |
| | | *For 12 Fins Per Inch, Add* | *415.58* | |
| 23 82 16 13-0010 | EA | 30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 11,627.70 | 546.16 |
| | | *For 10 Fins Per Inch, Add* | *210.71* | |
| | | *For 12 Fins Per Inch, Add* | *526.77* | |
| 23 82 16 13-0011 | EA | 34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 4,465.64 | 207.63 |
| | | *For 10 Fins Per Inch, Add* | *81.01* | |
| | | *For 12 Fins Per Inch, Add* | *202.52* | |
| 23 82 16 13-0012 | EA | 34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 5,708.20 | 353.53 |
| | | *For 10 Fins Per Inch, Add* | *100.02* | |
| | | *For 12 Fins Per Inch, Add* | *250.05* | |
| 23 82 16 13-0013 | EA | 34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 6,977.95 | 530.36 |
| | | *For 10 Fins Per Inch, Add* | *118.34* | |
| | | *For 12 Fins Per Inch, Add* | *295.86* | |
| 23 82 16 13-0014 | EA | 34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 7,609.05 | 617.59 |
| | | *For 10 Fins Per Inch, Add* | *127.48* | |
| | | *For 12 Fins Per Inch, Add* | *318.69* | |

### 23 82 16 13-0015 4 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 82 16 13-0016 | EA | 12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 3,244.89 | 121.78 |
| | | *For 10 Fins Per Inch, Add* | *60.02* | |
| | | *For 12 Fins Per Inch, Add* | *150.05* | |
| 23 82 16 13-0017 | EA | 12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 4,636.58 | 175.66 |
| | | *For 10 Fins Per Inch, Add* | *85.74* | |
| | | *For 12 Fins Per Inch, Add* | *214.35* | |
| 23 82 16 13-0018 | EA | 24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 6,272.38 | 292.76 |
| | | *For 10 Fins Per Inch, Add* | *113.74* | |
| | | *For 12 Fins Per Inch, Add* | *284.34* | |
| 23 82 16 13-0019 | EA | 24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 7,604.18 | 434.45 |
| | | *For 10 Fins Per Inch, Add* | *134.74* | |
| | | *For 12 Fins Per Inch, Add* | *336.84* | |
| 23 82 16 13-0020 | EA | 30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 8,763.72 | 532.82 |
| | | *For 10 Fins Per Inch, Add* | *153.98* | |
| | | *For 12 Fins Per Inch, Add* | *384.96* | |
| 23 82 16 13-0021 | EA | 30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 10,400.14 | 651.08 |
| | | *For 10 Fins Per Inch, Add* | *181.98* | |
| | | *For 12 Fins Per Inch, Add* | *454.95* | |
| 23 82 16 13-0022 | EA | 30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 11,535.26 | 781.07 |
| | | *For 10 Fins Per Inch, Add* | *199.48* | |
| | | *For 12 Fins Per Inch, Add* | *498.70* | |
| 23 82 16 13-0023 | EA | 30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 11,147.55 | 909.18 |
| | | *For 10 Fins Per Inch, Add* | *186.58* | |
| | | *For 12 Fins Per Inch, Add* | *466.46* | |
| 23 82 16 13-0024 | EA | 34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 7,171.13 | 392.41 |
| | | *For 10 Fins Per Inch, Add* | *127.73* | |
| | | *For 12 Fins Per Inch, Add* | *319.31* | |
| 23 82 16 13-0025 | EA | 34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 9,065.71 | 590.20 |
| | | *For 10 Fins Per Inch, Add* | *157.70* | |
| | | *For 12 Fins Per Inch, Add* | *394.26* | |
| 23 82 16 13-0026 | EA | 34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 13,566.64 | 1,038.12 |
| | | *For 10 Fins Per Inch, Add* | *229.81* | |
| | | *For 12 Fins Per Inch, Add* | *574.52* | |
| 23 82 16 13-0027 | EA | 34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 15,515.60 | 1,209.79 |
| | | *For 10 Fins Per Inch, Add* | *261.92* | |
| | | *For 12 Fins Per Inch, Add* | *654.81* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 16 13-0028 | | 6 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)* | | |
| 23 82 16 13-0029 | EA | 12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 4,157.75 | 153.41 |
| | | *For 10 Fins Per Inch, Add* | *76.99* | |
| | | *For 12 Fins Per Inch, Add* | *192.48* | |
| 23 82 16 13-0030 | EA | 12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 4,746.25 | 229.52 |
| | | *For 10 Fins Per Inch, Add* | *85.74* | |
| | | *For 12 Fins Per Inch, Add* | *214.35* | |
| 23 82 16 13-0031 | EA | 24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 6,817.52 | 391.12 |
| | | *For 10 Fins Per Inch, Add* | *120.74* | |
| | | *For 12 Fins Per Inch, Add* | *301.84* | |
| 23 82 16 13-0032 | EA | 24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 8,607.70 | 585.51 |
| | | *For 10 Fins Per Inch, Add* | *148.73* | |
| | | *For 12 Fins Per Inch, Add* | *371.83* | |
| 23 82 16 13-0033 | EA | 30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 11,350.18 | 731.89 |
| | | *For 10 Fins Per Inch, Add* | *197.73* | |
| | | *For 12 Fins Per Inch, Add* | *494.32* | |
| 23 82 16 13-0034 | EA | 30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 12,825.36 | 900.52 |
| | | *For 10 Fins Per Inch, Add* | *220.48* | |
| | | *For 12 Fins Per Inch, Add* | *551.19* | |
| 23 82 16 13-0035 | EA | 30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 14,902.73 | 1,064.45 |
| | | *For 10 Fins Per Inch, Add* | *255.47* | |
| | | *For 12 Fins Per Inch, Add* | *638.68* | |
| 23 82 16 13-0036 | EA | 30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 13,963.14 | 1,240.46 |
| | | *For 10 Fins Per Inch, Add* | *229.64* | |
| | | *For 12 Fins Per Inch, Add* | *574.11* | |
| 23 82 16 13-0037 | EA | 34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 8,932.31 | 536.21 |
| | | *For 10 Fins Per Inch, Add* | *157.20* | |
| | | *For 12 Fins Per Inch, Add* | *393.00* | |
| 23 82 16 13-0038 | EA | 34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 11,313.39 | 804.26 |
| | | *For 10 Fins Per Inch, Add* | *194.10* | |
| | | *For 12 Fins Per Inch, Add* | *485.24* | |
| 23 82 16 13-0039 | EA | 34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 13,882.31 | 1,199.82 |
| | | *For 10 Fins Per Inch, Add* | *229.65* | |
| | | *For 12 Fins Per Inch, Add* | *574.13* | |
| 23 82 16 13-0040 | EA | 34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 15,183.89 | 1,407.45 |
| | | *For 10 Fins Per Inch, Add* | *247.38* | |
| | | *For 12 Fins Per Inch, Add* | *618.45* | |
| 23 82 16 13-0041 | | 8 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)* | | |
| 23 82 16 13-0042 | EA | 12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 5,183.72 | 185.03 |
| | | *For 10 Fins Per Inch, Add* | *96.24* | |
| | | *For 12 Fins Per Inch, Add* | *240.60* | |
| 23 82 16 13-0043 | EA | 12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 6,170.61 | 285.73 |
| | | *For 10 Fins Per Inch, Add* | *111.99* | |
| | | *For 12 Fins Per Inch, Add* | *279.97* | |
| 23 82 16 13-0044 | EA | 24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 9,111.14 | 509.40 |
| | | *For 10 Fins Per Inch, Add* | *161.86* | |
| | | *For 12 Fins Per Inch, Add* | *404.64* | |
| 23 82 16 13-0045 | EA | 24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 11,972.72 | 781.07 |
| | | *For 10 Fins Per Inch, Add* | *208.23* | |
| | | *For 12 Fins Per Inch, Add* | *520.57* | |
| 23 82 16 13-0046 | EA | 30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 14,331.59 | 976.64 |
| | | *For 10 Fins Per Inch, Add* | *247.60* | |
| | | *For 12 Fins Per Inch, Add* | *618.99* | |
| 23 82 16 13-0047 | EA | 30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 16,602.98 | 1,171.02 |
| | | *For 10 Fins Per Inch, Add* | *285.22* | |
| | | *For 12 Fins Per Inch, Add* | *713.05* | |
| 23 82 16 13-0048 | EA | 30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 19,137.95 | 1,301.01 |
| | | *For 10 Fins Per Inch, Add* | *330.71* | |
| | | *For 12 Fins Per Inch, Add* | *826.78* | |
| 23 82 16 13-0049 | EA | 30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 15,935.51 | 1,509.10 |
| | | *For 10 Fins Per Inch, Add* | *258.35* | |
| | | *For 12 Fins Per Inch, Add* | *645.87* | |
| 23 82 16 13-0050 | EA | 34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 10,149.44 | 653.43 |
| | | *For 10 Fins Per Inch, Add* | *176.85* | |
| | | *For 12 Fins Per Inch, Add* | *442.13* | |
| 23 82 16 13-0051 | EA | 34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 12,882.77 | 982.37 |
| | | *For 10 Fins Per Inch, Add* | *218.36* | |
| | | *For 12 Fins Per Inch, Add* | *545.90* | |
| 23 82 16 13-0052 | EA | 34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 15,875.13 | 1,478.53 |
| | | *For 10 Fins Per Inch, Add* | *258.36* | |
| | | *For 12 Fins Per Inch, Add* | *645.90* | |
| 23 82 16 13-0053 | EA | 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing | 17,359.35 | 1,722.10 |
| | | *For 10 Fins Per Inch, Add* | *278.30* | |
| | | *For 12 Fins Per Inch, Add* | *695.76* | |
| **23 82 16 14** | | **Electric-Resistance Air Coils** *(23 82 16)* | | |
| 23 82 16 14-0001 | | Standard Electric Slip-In Blast Coil Heater *(23 82 16 14)* | | |
| 23 82 16 14-0002 | | Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 14-0001)* | | |
| 23 82 16 14-0003 | EA | 1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 633.77 | 90.50 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 16 14-0004 | EA | 1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 648.84 | 97.55 |
| 23 82 16 14-0005 | EA | 2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 666.64 | 106.95 |
| 23 82 16 14-0006 | EA | 3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 672.63 | 110.48 |
| 23 82 16 14-0007 | EA | 4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 688.02 | 117.52 |
| 23 82 16 14-0008 | EA | 5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 705.71 | 126.93 |
| 23 82 16 14-0009 | EA | 6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 814.74 | 142.21 |
| 23 82 16 14-0010 | EA | 7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 829.07 | 149.26 |
| 23 82 16 14-0011 | EA | 8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 840.83 | 153.96 |
| 23 82 16 14-0012 | EA | 9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 858.00 | 163.37 |
| 23 82 16 14-0013 | EA | 10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 941.91 | 172.76 |
| 23 82 16 14-0014 | EA | 12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 975.37 | 189.21 |
| 23 82 16 14-0015 | EA | 15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 1,008.63 | 205.68 |
| 23 82 16 14-0016 | EA | 20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 1,044.37 | 222.13 |
| 23 82 16 14-0017 | EA | 30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 1,468.48 | 310.27 |
| 23 82 16 14-0018 | EA | 40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 2,714.09 | 330.25 |
| 23 82 16 14-0019 | EA | 50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 2,976.77 | 378.44 |
| 23 82 16 14-0020 | EA | 60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 3,528.69 | 419.57 |
| 23 82 16 14-0021 | EA | 70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 3,695.68 | 456.01 |
| 23 82 16 14-0022 | EA | 80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 4,049.15 | 500.66 |
| 23 82 16 14-0023 | EA | 90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 5,007.36 | 534.75 |
| 23 82 16 14-0024 | EA | 100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 5,506.50 | 574.71 |
| 23 82 16 14-0025 | EA | 125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 6,717.80 | 620.54 |
| 23 82 16 14-0026 | EA | 150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater | 7,576.07 | 674.60 |

### 23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 14-0001)*

| | | | | |
|---|---|---|---|---|
| 23 82 16 14-0028 | EA | 1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 1,025.71 | 129.28 |
| 23 82 16 14-0029 | EA | 2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 1,055.77 | 141.03 |
| 23 82 16 14-0030 | EA | 3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 1,068.22 | 141.03 |
| 23 82 16 14-0031 | EA | 4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 1,154.29 | 155.13 |
| 23 82 16 14-0032 | EA | 5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 1,206.57 | 155.13 |
| 23 82 16 14-0033 | EA | 6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 1,234.40 | 155.13 |
| 23 82 16 14-0034 | EA | 8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 1,294.89 | 172.76 |
| 23 82 16 14-0035 | EA | 9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 1,348.85 | 193.92 |
| 23 82 16 14-0036 | EA | 10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 1,376.68 | 193.92 |
| 23 82 16 14-0037 | EA | 15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 1,549.56 | 222.13 |
| 23 82 16 14-0038 | EA | 20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 1,994.26 | 222.13 |
| 23 82 16 14-0039 | EA | 25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 2,117.33 | 240.93 |
| 23 82 16 14-0040 | EA | 30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 2,495.69 | 258.56 |
| 23 82 16 14-0041 | EA | 40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 2,974.23 | 258.56 |
| 23 82 16 14-0042 | EA | 45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 3,247.87 | 270.31 |
| 23 82 16 14-0043 | EA | 50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater | 3,413.79 | 270.31 |

## 23 82 19 Fan Coil Units *(23 82)*

### 23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

### 23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil *(23 82 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 82 19 00-0003 | EA | 200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 2,819.32 | 189.71 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-53.89* | |
| 23 82 19 00-0004 | EA | 300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 3,201.94 | 221.33 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-57.10* | |
| 23 82 19 00-0005 | EA | 400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 3,810.37 | 249.43 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-59.92* | |
| 23 82 19 00-0006 | EA | 600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 4,380.10 | 285.73 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-63.56* | |
| 23 82 19 00-0007 | EA | 800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 4,961.37 | 299.78 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-110.04* | |
| 23 82 19 00-0008 | EA | 1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 6,429.07 | 317.34 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-112.47* | |
| 23 82 19 00-0009 | EA | 1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 7,588.93 | 344.28 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-116.66* | |

### 23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 23 82 19 00-0011 | EA | 200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 4,177.09 | 189.71 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-53.89* | |
| 23 82 19 00-0012 | EA | 300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 4,697.16 | 221.33 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-57.10* | |
| 23 82 19 00-0013 | EA | 400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 5,817.38 | 249.43 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-59.92* | |
| 23 82 19 00-0014 | EA | 600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 6,283.32 | 285.73 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-63.56* | |
| 23 82 19 00-0015 | EA | 800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 6,705.65 | 300.96 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-110.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 19 00-0016 | EA | 1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 8,991.19 | 317.34 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-112.47* | |
| 23 82 19 00-0017 | EA | 1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 10,567.17 | 344.28 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-116.66* | |
| 23 82 19 00-0018 | EA | 1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 11,275.31 | 357.16 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-118.57* | |
| 23 82 19 00-0019 | EA | 1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 12,607.52 | 371.80 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-120.77* | |
| 23 82 19 00-0020 | EA | 1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet | 13,572.15 | 386.44 |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-122.97* | |

## 23 82 19 00-0021 Floor Mounted Vertical Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

## 23 82 19 00-0022 Vertical Fan Coil Units With Electric Heating Coil *(23 82 19 00-0021)*

| | | | | |
|---|---|---|---|---|
| 23 82 19 00-0023 | EA | 200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 2,713.17 | 188.53 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-369.20* | |
| | | *For Thru-Wall Sleeve, Add* | *130.55* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-53.89* | |
| 23 82 19 00-0024 | EA | 300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 3,095.78 | 221.33 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-420.18* | |
| | | *For Thru-Wall Sleeve, Add* | *143.38* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-57.10* | |
| 23 82 19 00-0025 | EA | 400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 3,682.97 | 249.43 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-502.61* | |
| | | *For Thru-Wall Sleeve, Add* | *154.66* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-59.92* | |
| 23 82 19 00-0026 | EA | 600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 4,233.59 | 285.73 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-577.92* | |
| | | *For Thru-Wall Sleeve, Add* | *169.25* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-63.56* | |
| 23 82 19 00-0027 | EA | 800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 4,793.65 | 300.96 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-659.00* | |
| | | *For Thru-Wall Sleeve, Add* | *175.10* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-110.04* | |
| 23 82 19 00-0028 | EA | 1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 6,206.13 | 317.34 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-867.62* | |
| | | *For Thru-Wall Sleeve, Add* | *181.60* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-112.47* | |
| 23 82 19 00-0029 | EA | 1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 7,323.54 | 344.28 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-1,029.65* | |
| | | *For Thru-Wall Sleeve, Add* | *192.77* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-116.66* | |

## 23 82 19 00-0030 Vertical Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0021)*

| | | | | |
|---|---|---|---|---|
| 23 82 19 00-0031 | EA | 200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 4,011.75 | 188.53 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-563.99* | |
| | | *For Thru-Wall Sleeve, Add* | *130.55* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-53.89* | |
| 23 82 19 00-0032 | EA | 300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 4,511.98 | 221.33 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-632.61* | |
| | | *For Thru-Wall Sleeve, Add* | *143.38* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-57.10* | |
| 23 82 19 00-0033 | EA | 400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 5,585.91 | 249.43 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-788.06* | |
| | | *For Thru-Wall Sleeve, Add* | *154.66* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-59.92* | |
| 23 82 19 00-0034 | EA | 600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 6,385.63 | 285.73 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-900.72* | |
| | | *For Thru-Wall Sleeve, Add* | *169.25* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-63.56* | |
| 23 82 19 00-0035 | EA | 800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 7,141.73 | 300.96 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-1,011.21* | |
| | | *For Thru-Wall Sleeve, Add* | *175.10* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-110.04* | |
| 23 82 19 00-0036 | EA | 1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 8,627.79 | 317.34 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-1,230.87* | |
| | | *For Thru-Wall Sleeve, Add* | *181.60* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-112.47* | |
| 23 82 19 00-0037 | EA | 1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 10,137.24 | 344.28 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-1,451.70* | |
| | | *For Thru-Wall Sleeve, Add* | *192.77* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-116.66* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 19 00-0038 | EA | 1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 11,125.01 | 357.16 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-1,597.32* | |
| | | *For Thru-Wall Sleeve, Add* | *197.87* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-118.57* | |
| 23 82 19 00-0039 | EA | 1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 12,306.92 | 371.80 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-1,771.68* | |
| | | *For Thru-Wall Sleeve, Add* | *203.72* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-120.77* | |
| 23 82 19 00-0040 | EA | 1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet | 13,133.91 | 371.80 |
| | | *For Fan Coil Units Without Cabinet, Deduct* | *-1,892.80* | |
| | | *For Thru-Wall Sleeve, Add* | *209.58* | |
| | | *For 2-Way Valve Instead Of 3-Way, Deduct* | *-122.97* | |

### 23 82 19 00-0041 Removal And Reinstallation Of Fan Coil Units *(23 82 19)*

Note: Includes storage and cleaning. Excludes supports.

| | | | | |
|---|---|---|---|---|
| 23 82 19 00-0042 | EA | Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical | 497.89 | |

### 23 82 19 00-0043 Fan Coil Units *(23 82 19)*

Note: Excludes supports.

| | | | | |
|---|---|---|---|---|
| 23 82 19 00-0044 | EA | Fan Coil (IEC HXY 06) | 6,211.36 | |
| 23 82 19 00-0045 | EA | Fan Coil (IEC HXY 08) | 6,683.08 | |
| 23 82 19 00-0046 | EA | Fan Coil (IEC HXY 10) | 6,715.51 | |
| 23 82 19 00-0047 | EA | Fan Coil (IEC VEY 18) | 7,259.31 | |

### 23 82 19 00-0048 Fan Coil Units (Carrier) *(23 82 19)*

Note: Provide Pre-Manufactured Or Field Fabricated Filter Rack With 2" Merv 13, Pleated Throwaway Filters. Disconnect Switch Provided By Division 26 Contractor. Suspend Unit From Structure In Horizontal Position With All -Thread Rod And Spring Vibration Isolation (2" Minimum Deflection). Provide Necessary Mounting Bracket And Accessories For Specified Mounting. Provide Auxiliary Drain Pan With Auxiliary Drain Provided By Plumbing Contractor. Provide Unit With Space Temperature Control Devices Consistent With The Following Control Methods: Thermostat Or Room Controller For Local Override Of Centralized Controller With Integral Temperature Sensor. Temperature Sensor Without Local Override. Thermostat Or Room Controller For Local Override Of Centralized Controller With Remote Temperature Sensor. Fan Coil Unit With Integral Temperature Sensor In Return Airstream Without Local Override (Factory Default Setting).

| | | | | |
|---|---|---|---|---|
| 23 82 19 00-0049 | EA | 450 To 500 CFM, 12.1 To 14.2 MBH Cooling, Deck Mount, Fan Coil Unit (Carrier MMD-AP0184BH2UL-1) | 2,122.97 | 249.43 |
| 23 82 19 00-0050 | EA | 1,200 CFM, 33.3 To 39.5 MBH Cooling, Floor Mount, Fan Coil Unit (Carrier MMD-AP0360VHG2UL) | 3,683.51 | 344.28 |
| | | *For Filter Box With 2" MERV 8 Filter (Carrier TCB-FB2F361VDGUL), Add* | *301.26* | |
| 23 82 19 00-0051 | EA | 150 To 230 CFM, 3.9 To 7.5 MBH Cooling, Wall Mount, Fan Coil Unit (Carrier MMK-AP0073H2UL) | 1,145.25 | 189.71 |
| | | *For Filter Boxes For Toshiba (Carrier) High Static, Medium Static, OSA Units, and Slim Duct (Carrier FS-SPBH202), Add* | *496.72* | |
| 23 82 19 00-0052 | EA | 470 CFM, 15.8 MBH Cooling, Wall Mount, Fan Coil Unit (Carrier MMK-AP0183H2UL) | 1,325.96 | 221.33 |
| | | *For Filter Boxes For Toshiba (Carrier) High Static, Medium Static, OSA Units, and Slim Duct (Carrier FS-SPBH202), Add* | *496.72* | |
| 23 82 19 00-0053 | EA | Single Port Flow Selector (Carrier RBM-Y0963FUL) | 1,284.52 | 275.54 |
| 23 82 19 00-0054 | EA | Multiport Flow Selector 4-Branch Unit (Carrier RBM-Y0611F4PUL) | 3,926.92 | 360.32 |
| 23 82 19 00-0055 | EA | Y-Branch For Heat Recovery, 61-135k BTU (Carrier RBM-BY105FUL) | 203.91 | 40.98 |
| 23 82 19 00-0056 | EA | Y-Branch For Heat Recovery, 136-238k BTU (Carrier RBM-BY205FUL) | 279.70 | 43.91 |
| 23 82 19 00-0057 | EA | 12 MBH, Ductless Variable Flow (VRF), Wall Mounted, Indoor Heat Pump (Carrier MMK-AP0123H2UL) | 1,099.93 | 189.71 |
| 23 82 19 00-0058 | EA | Single Port Flow Selector (Carrier RBM-Y0383FUL) | 3,218.10 | 275.54 |
| 23 82 19 00-0059 | EA | Outdoor Heat Recovery Connection (Carrier RBM-BT14FUL) | 442.24 | 40.98 |

## 23 82 29 Radiators *(23 82)*

### 23 82 29 00-0001 Demolish Cast Iron Radiators *(23 82 29)*

| | | | | |
|---|---|---|---|---|
| 23 82 29 00-0002 | LF | Demolish Cast Iron Radiator | 35.12 | |
| 23 82 29 00-0003 | EA | Cap Radiator | 57.37 | |

### 23 82 29 00-0004 Cast Iron Radiator *(23 82 29)*

| | | | | |
|---|---|---|---|---|
| 23 82 29 00-0005 | EA | 19" High Cast Iron Radiator Section, Free Standing | 59.62 | |
| | | *For Wall Support Bracket, Add* | *28.91* | |
| 23 82 29 00-0006 | EA | 25" High Cast Iron Radiator Section, Free Standing | 85.59 | |
| | | *For Wall Support Bracket, Add* | *30.43* | |
| 23 82 29 00-0007 | EA | 30" High Cast Iron Radiator Section, Free Standing | 99.95 | |
| 23 82 29 00-0008 | EA | 36" High Cast Iron Radiator Section, Free Standing | 126.54 | |
| 23 82 29 00-0009 | EA | 20" High Cast Iron Radiator Section, Recessed With Grille | 82.02 | |

### 23 82 29 00-0010 Radiator Covers *(23 82 29)*

Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.

| | | | | |
|---|---|---|---|---|
| 23 82 29 00-0011 | SF | 14 Gauge Stainless Steel Radiator Cover | 136.81 | 6.38 |
| 23 82 29 00-0012 | SF | Primed And Painted, Galvanized Steel Radiator Cover | 85.12 | 6.38 |

### 23 82 29 00-0013 Radiator Shields *(23 82 29)*

| | | | | |
|---|---|---|---|---|
| 23 82 29 00-0014 | SF | Stainless Steel Radiator Shield | 58.46 | 6.38 |
| 23 82 29 00-0015 | SF | Primed And Painted, Galvanized Steel Radiator Shield | 49.90 | 6.38 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 29 00-0016 | | Removal And Reinstallation Of Radiator *(23 82 29)*<br>Note: Includes storage and cleaning. | | |
| 23 82 29 00-0017 | LF | Removal And Reinstallation Of Cast Iron Radiator | 87.83 | |
| 23 82 29 00-0018 | LF | Removal And Reinstallation Of Electric Radiator | 58.55 | |
| **23 82 33** | | **Convectors** *(23 82)* | | |
| 23 82 33 00-0001 | | Multi-Fin Convectors For Two-Pipe System *(23 82 33)*<br>Note: Complete with 6-1/4" deep cabinet enclosure. | | |
| 23 82 33 00-0002 | | 20" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)* | | |
| 23 82 33 00-0003 | EA | 20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 585.34 | 128.81 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *64.55* | |
| | | *For Snap-On Inlet Grille, Add* | *49.03* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *136.56* | |
| 23 82 33 00-0004 | EA | 20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 689.79 | 140.53 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *69.87* | |
| | | *For Snap-On Inlet Grille, Add* | *52.58* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *166.91* | |
| 23 82 33 00-0005 | EA | 20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 793.63 | 166.28 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *81.52* | |
| | | *For Snap-On Inlet Grille, Add* | *60.34* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *189.67* | |
| 23 82 33 00-0006 | EA | 20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 950.36 | 193.21 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *93.82* | |
| | | *For Snap-On Inlet Grille, Add* | *68.55* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *230.17* | |
| 23 82 33 00-0007 | EA | 20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,133.29 | 231.86 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *111.37* | |
| | | *For Snap-On Inlet Grille, Add* | *80.25* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *273.72* | |
| 23 82 33 00-0008 | EA | 20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,275.02 | 255.05 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *121.90* | |
| | | *For Snap-On Inlet Grille, Add* | *87.27* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *311.04* | |
| 23 82 33 00-0009 | EA | 20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,481.36 | 309.15 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *146.48* | |
| | | *For Snap-On Inlet Grille, Add* | *103.65* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *354.59* | |
| 23 82 33 00-0010 | EA | 20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,617.29 | 328.47 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *155.26* | |
| | | *For Snap-On Inlet Grille, Add* | *109.51* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *391.91* | |
| 23 82 33 00-0011 | EA | 20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,764.66 | 367.12 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *172.81* | |
| | | *For Snap-On Inlet Grille, Add* | *121.21* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *423.02* | |
| 23 82 33 00-0012 | EA | 20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,947.68 | 405.76 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *190.39* | |
| | | *For Snap-On Inlet Grille, Add* | *132.93* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *466.56* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 33 00-0013 | EA | 20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 2,095.06 | 444.40 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *207.95* | |
| | | *For Snap-On Inlet Grille, Add* | *144.63* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *497.67* | |
| 23 82 33 00-0014 | | 26" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)* | | |
| 23 82 33 00-0015 | EA | 26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 687.66 | 169.44 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *82.24* | |
| | | *For Snap-On Inlet Grille, Add* | *60.83* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *151.74* | |
| 23 82 33 00-0016 | EA | 26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 807.46 | 196.85 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *94.53* | |
| | | *For Snap-On Inlet Grille, Add* | *69.02* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *179.32* | |
| 23 82 33 00-0017 | EA | 26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 977.04 | 231.16 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *109.94* | |
| | | *For Snap-On Inlet Grille, Add* | *79.29* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *220.71* | |
| 23 82 33 00-0018 | EA | 26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,145.49 | 257.75 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *121.87* | |
| | | *For Snap-On Inlet Grille, Add* | *87.24* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *265.74* | |
| 23 82 33 00-0019 | EA | 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,337.27 | 289.83 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *136.31* | |
| | | *For Snap-On Inlet Grille, Add* | *96.87* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *316.02* | |
| 23 82 33 00-0020 | EA | 26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,496.72 | 313.95 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *147.20* | |
| | | *For Snap-On Inlet Grille, Add* | *104.13* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *359.12* | |
| 23 82 33 00-0021 | EA | 26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,706.87 | 357.74 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *167.15* | |
| | | *For Snap-On Inlet Grille, Add* | *117.43* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *409.40* | |
| 23 82 33 00-0022 | EA | 26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,862.38 | 379.65 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *176.87* | |
| | | *For Snap-On Inlet Grille, Add* | *123.91* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *452.49* | |
| 23 82 33 00-0023 | EA | 26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 2,015.67 | 413.95 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *192.07* | |
| | | *For Snap-On Inlet Grille, Add* | *134.05* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *488.40* | |
| 23 82 33 00-0024 | EA | 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 2,210.53 | 447.57 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *207.44* | |
| | | *For Snap-On Inlet Grille, Add* | *144.29* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *538.67* | |
| 23 82 33 00-0025 | EA | 26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 2,359.22 | 478.37 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *221.26* | |
| | | *For Snap-On Inlet Grille, Add* | *153.51* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *574.59* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 33 00-0026 | | 32" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)* | | |
| 23 82 33 00-0027 | EA | 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 788.99 | 206.10 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *99.63* | |
| | | *For Snap-On Inlet Grille, Add* | *72.42* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *166.91* | |
| 23 82 33 00-0028 | EA | 32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 941.34 | 249.43 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *119.33* | |
| | | *For Snap-On Inlet Grille, Add* | *85.55* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *197.26* | |
| 23 82 33 00-0029 | EA | 32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,135.20 | 291.59 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *138.47* | |
| | | *For Snap-On Inlet Grille, Add* | *98.31* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *242.77* | |
| 23 82 33 00-0030 | EA | 32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,315.28 | 316.88 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *150.03* | |
| | | *For Snap-On Inlet Grille, Add* | *106.02* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *292.32* | |
| 23 82 33 00-0031 | EA | 32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,511.53 | 342.40 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *161.50* | |
| | | *For Snap-On Inlet Grille, Add* | *113.67* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *347.62* | |
| 23 82 33 00-0032 | EA | 32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,684.68 | 367.12 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *172.81* | |
| | | *For Snap-On Inlet Grille, Add* | *121.21* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *395.02* | |
| 23 82 33 00-0033 | EA | 32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 1,889.77 | 398.03 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *186.94* | |
| | | *For Snap-On Inlet Grille, Add* | *130.62* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *450.33* | |
| 23 82 33 00-0034 | EA | 32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 2,064.10 | 423.55 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *198.60* | |
| | | *For Snap-On Inlet Grille, Add* | *138.40* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *497.73* | |
| 23 82 33 00-0035 | EA | 32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 2,219.12 | 452.13 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *211.25* | |
| | | *For Snap-On Inlet Grille, Add* | *146.83* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *537.23* | |
| 23 82 33 00-0036 | EA | 32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 2,419.22 | 479.18 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *223.88* | |
| | | *For Snap-On Inlet Grille, Add* | *155.25* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *592.54* | |
| 23 82 33 00-0037 | EA | 32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet | 2,566.63 | 502.37 |
| | | *For Knob Operated Damper, Add* | *15.00* | |
| | | *For Metal Trim Strips, Add* | *234.24* | |
| | | *For Snap-On Inlet Grille, Add* | *162.16* | |
| | | *For Access Doors Hinged, Add* | *15.00* | |
| | | *For Air Chamber, Auto-vent, Add* | *18.00* | |
| | | *For 3 Tubes System, Add* | *632.04* | |
| 23 82 33 00-0038 | | Electric Convectors, Floor Standing Units *(23 82 33)* | | |
| 23 82 33 00-0039 | | 4" Deep Electric Convectors *(23 82 33 00-0038)* | | |
| 23 82 33 00-0040 | EA | 38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units | 648.04 | 126.11 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 33 00-0041 | EA | 50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units | 717.12 | 126.11 |
| **23 82 33 00-0042** | | **6" Deep Electric Convectors** *(23 82 33 00-0038)* | | |
| 23 82 33 00-0043 | EA | 38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units | 749.00 | 126.11 |
| 23 82 33 00-0044 | EA | 50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units | 855.27 | 126.11 |
| 23 82 33 00-0045 | EA | 62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units | 948.26 | 126.11 |
| 23 82 33 00-0046 | EA | 74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units | 1,094.39 | 126.11 |
| **23 82 36** | | **Finned-Tube Radiation Heaters** *(23 82)* | | |
| 23 82 36 00-0001 | | Finned Tube Baseboard Units *(23 82 36)* | | |
| | | Note: Complete with steel enclosure. Single heating element. | | |
| 23 82 36 00-0002 | | 3/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)* | | |
| 23 82 36 00-0003 | EA | 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element | 372.67 | 45.67 |
| | | *For 90 Degree Corner, Add* | *54.19* | |
| | | *For Valve Enclosure, Add* | *54.19* | |
| | | *For Filler Piece, Add* | *47.19* | |
| | | *For End Cap, Add* | *36.72* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *8.35* | |
| 23 82 36 00-0004 | EA | 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element | 493.74 | 69.09 |
| | | *For 90 Degree Corner, Add* | *63.23* | |
| | | *For Valve Enclosure, Add* | *63.23* | |
| | | *For Filler Piece, Add* | *56.23* | |
| | | *For End Cap, Add* | *42.60* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *12.52* | |
| 23 82 36 00-0005 | EA | 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element | 596.22 | 91.34 |
| | | *For 90 Degree Corner, Add* | *68.55* | |
| | | *For Valve Enclosure, Add* | *68.55* | |
| | | *For Filler Piece, Add* | *61.55* | |
| | | *For End Cap, Add* | *46.06* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *16.69* | |
| 23 82 36 00-0006 | EA | 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element | 742.68 | 127.88 |
| | | *For 90 Degree Corner, Add* | *83.07* | |
| | | *For Valve Enclosure, Add* | *83.07* | |
| | | *For Filler Piece, Add* | *76.07* | |
| | | *For End Cap, Add* | *55.50* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *20.75* | |
| 23 82 36 00-0007 | EA | 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element | 888.32 | 153.64 |
| | | *For 90 Degree Corner, Add* | *97.82* | |
| | | *For Valve Enclosure, Add* | *97.82* | |
| | | *For Filler Piece, Add* | *90.82* | |
| | | *For End Cap, Add* | *65.09* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *24.71* | |
| 23 82 36 00-0008 | EA | 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element | 1,007.45 | 163.94 |
| | | *For 90 Degree Corner, Add* | *103.68* | |
| | | *For Valve Enclosure, Add* | *103.68* | |
| | | *For Filler Piece, Add* | *96.68* | |
| | | *For End Cap, Add* | *68.89* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *29.65* | |
| 23 82 36 00-0009 | EA | 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element | 1,110.55 | 181.16 |
| | | *For 90 Degree Corner, Add* | *113.52* | |
| | | *For Valve Enclosure, Add* | *113.52* | |
| | | *For Filler Piece, Add* | *106.52* | |
| | | *For End Cap, Add* | *75.29* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *32.61* | |
| 23 82 36 00-0010 | EA | 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element | 1,268.30 | 204.93 |
| | | *For 90 Degree Corner, Add* | *127.10* | |
| | | *For Valve Enclosure, Add* | *127.10* | |
| | | *For Filler Piece, Add* | *120.10* | |
| | | *For End Cap, Add* | *84.12* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *37.55* | |
| 23 82 36 00-0011 | EA | 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element | 1,398.78 | 225.42 |
| | | *For 90 Degree Corner, Add* | *138.82* | |
| | | *For Valve Enclosure, Add* | *138.82* | |
| | | *For Filler Piece, Add* | *131.82* | |
| | | *For End Cap, Add* | *91.74* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *41.51* | |
| 23 82 36 00-0012 | | 1" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)* | | |
| 23 82 36 00-0013 | EA | 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element | 437.70 | 45.67 |
| | | *For 90 Degree Corner, Add* | *54.19* | |
| | | *For Valve Enclosure, Add* | *54.19* | |
| | | *For Filler Piece, Add* | *47.19* | |
| | | *For End Cap, Add* | *36.72* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *11.92* | |
| 23 82 36 00-0014 | EA | 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element | 591.29 | 69.09 |
| | | *For 90 Degree Corner, Add* | *63.23* | |
| | | *For Valve Enclosure, Add* | *63.23* | |
| | | *For Filler Piece, Add* | *56.23* | |
| | | *For End Cap, Add* | *42.60* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *17.88* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 36 00-0015 | EA | 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element | 726.29 | 91.34 |
| | | *For 90 Degree Corner, Add* | *68.55* | |
| | | *For Valve Enclosure, Add* | *68.55* | |
| | | *For Filler Piece, Add* | *61.55* | |
| | | *For End Cap, Add* | *46.06* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *23.84* | |
| 23 82 36 00-0016 | EA | 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element | 904.54 | 127.88 |
| | | *For 90 Degree Corner, Add* | *83.10* | |
| | | *For Valve Enclosure, Add* | *83.10* | |
| | | *For Filler Piece, Add* | *76.10* | |
| | | *For End Cap, Add* | *55.51* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *29.65* | |
| 23 82 36 00-0017 | EA | 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element | 1,080.64 | 153.64 |
| | | *For 90 Degree Corner, Add* | *97.78* | |
| | | *For Valve Enclosure, Add* | *97.78* | |
| | | *For Filler Piece, Add* | *90.78* | |
| | | *For End Cap, Add* | *65.06* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *35.30* | |
| 23 82 36 00-0018 | EA | 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element | 1,238.49 | 163.94 |
| | | *For 90 Degree Corner, Add* | *103.68* | |
| | | *For Valve Enclosure, Add* | *103.68* | |
| | | *For Filler Piece, Add* | *96.68* | |
| | | *For End Cap, Add* | *68.89* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *42.35* | |
| 23 82 36 00-0019 | EA | 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element | 1,364.32 | 181.16 |
| | | *For 90 Degree Corner, Add* | *113.45* | |
| | | *For Valve Enclosure, Add* | *113.45* | |
| | | *For Filler Piece, Add* | *106.45* | |
| | | *For End Cap, Add* | *75.24* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *46.59* | |
| 23 82 36 00-0020 | EA | 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element | 1,560.94 | 204.93 |
| | | *For 90 Degree Corner, Add* | *127.10* | |
| | | *For Valve Enclosure, Add* | *127.10* | |
| | | *For Filler Piece, Add* | *120.10* | |
| | | *For End Cap, Add* | *84.12* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *53.65* | |
| 23 82 36 00-0021 | EA | 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element | 1,721.53 | 225.42 |
| | | *For 90 Degree Corner, Add* | *138.68* | |
| | | *For Valve Enclosure, Add* | *138.68* | |
| | | *For Filler Piece, Add* | *131.68* | |
| | | *For End Cap, Add* | *91.64* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *59.30* | |
| 23 82 36 00-0022 | | 1-1/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)* | | |
| 23 82 36 00-0023 | EA | 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element | 502.73 | 45.67 |
| | | *For 90 Degree Corner, Add* | *54.19* | |
| | | *For Valve Enclosure, Add* | *54.19* | |
| | | *For Filler Piece, Add* | *47.19* | |
| | | *For End Cap, Add* | *36.72* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *15.50* | |
| 23 82 36 00-0024 | EA | 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element | 688.84 | 69.09 |
| | | *For 90 Degree Corner, Add* | *63.23* | |
| | | *For Valve Enclosure, Add* | *63.23* | |
| | | *For Filler Piece, Add* | *56.23* | |
| | | *For End Cap, Add* | *42.60* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *23.25* | |
| 23 82 36 00-0025 | EA | 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element | 856.34 | 91.34 |
| | | *For 90 Degree Corner, Add* | *68.55* | |
| | | *For Valve Enclosure, Add* | *68.55* | |
| | | *For Filler Piece, Add* | *61.55* | |
| | | *For End Cap, Add* | *46.06* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *31.00* | |
| 23 82 36 00-0026 | EA | 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element | 1,066.26 | 127.88 |
| | | *For 90 Degree Corner, Add* | *83.10* | |
| | | *For Valve Enclosure, Add* | *83.10* | |
| | | *For Filler Piece, Add* | *76.10* | |
| | | *For End Cap, Add* | *55.51* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *38.54* | |
| 23 82 36 00-0027 | EA | 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element | 1,273.16 | 153.64 |
| | | *For 90 Degree Corner, Add* | *97.78* | |
| | | *For Valve Enclosure, Add* | *97.78* | |
| | | *For Filler Piece, Add* | *90.78* | |
| | | *For End Cap, Add* | *65.06* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *45.88* | |
| 23 82 36 00-0028 | EA | 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element | 1,469.51 | 163.94 |
| | | *For 90 Degree Corner, Add* | *103.68* | |
| | | *For Valve Enclosure, Add* | *103.68* | |
| | | *For Filler Piece, Add* | *96.68* | |
| | | *For End Cap, Add* | *68.89* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *55.06* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 36 00-0029 | EA | 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element | 1,618.44 | 181.16 |
| | | *For 90 Degree Corner, Add* | *113.45* | |
| | | *For Valve Enclosure, Add* | *113.45* | |
| | | *For Filler Piece, Add* | *106.45* | |
| | | *For End Cap, Add* | *75.24* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *60.57* | |
| 23 82 36 00-0030 | EA | 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element | 1,853.57 | 204.93 |
| | | *For 90 Degree Corner, Add* | *127.10* | |
| | | *For Valve Enclosure, Add* | *127.10* | |
| | | *For Filler Piece, Add* | *120.10* | |
| | | *For End Cap, Add* | *84.12* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *69.74* | |
| 23 82 36 00-0031 | EA | 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element | 2,044.96 | 225.42 |
| | | *For 90 Degree Corner, Add* | *138.68* | |
| | | *For Valve Enclosure, Add* | *138.68* | |
| | | *For Filler Piece, Add* | *131.68* | |
| | | *For End Cap, Add* | *91.64* | |
| | | *For Copper Tube With Aluminum Fins, Add* | *77.08* | |

### 23 82 36 00-0032 Electric Baseboard Heating *(23 82 36)*

Note: Includes 24 gauge steel enclosure and heating element

### 23 82 36 00-0033 Electric Wall Heating 10" Enclosure *(23 82 36 00-0032)*

| | | | | |
|---|---|---|---|---|
| 23 82 36 00-0034 | LF | Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT | 150.51 | 70.06 |
| 23 82 36 00-0035 | LF | Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT | 153.70 | 70.06 |

### 23 82 36 00-0036 Electric Wall Heating 16" Enclosure *(23 82 36 00-0032)*

| | | | | |
|---|---|---|---|---|
| 23 82 36 00-0037 | LF | Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT | 182.39 | 70.06 |
| 23 82 36 00-0038 | LF | Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT | 190.36 | 70.06 |

## 23 82 39 Unit Heaters *(23 82)*

### 23 82 39 13 Cabinet Unit Heaters *(23 82 39)*

### 23 82 39 13-0001 Electric Cabinet Unit Heaters *(23 82 39 13)*

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

### 23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 82 39 13-0003 | EA | 2 KW, 250 CFM, 35" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,222.46 | 159.23 |
| 23 82 39 13-0004 | EA | 3 KW, 250 CFM, 35" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,247.95 | 159.23 |
| 23 82 39 13-0005 | EA | 4 KW, 250 CFM, 35" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,273.44 | 159.23 |
| 23 82 39 13-0006 | EA | 5 KW, 250 CFM, 35" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,298.91 | 159.23 |
| 23 82 39 13-0007 | EA | 6 KW, 250 CFM, 35" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,324.39 | 159.23 |
| 23 82 39 13-0008 | EA | 7 KW, 250 CFM, 35" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,349.88 | 159.23 |
| 23 82 39 13-0009 | EA | 8 KW, 250 CFM, 35" Electric Cabinet Unit Heater | 3,376.38 | 159.23 |
| 23 82 39 13-0010 | EA | For Ceiling Installation of 35" Cabinet Unit Heater, Add | 212.73 | 105.73 |

### 23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length *(23 82 39 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 82 39 13-0012 | EA | 4 KW, 500 CFM, 45" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,423.75 | 191.07 |
| 23 82 39 13-0013 | EA | 6 KW, 500 CFM, 45" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,474.73 | 191.07 |
| 23 82 39 13-0014 | EA | 8 KW, 500 CFM, 45" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,525.69 | 191.07 |
| 23 82 39 13-0015 | EA | 10 KW, 500 CFM, 45" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,576.66 | 191.07 |
| 23 82 39 13-0016 | EA | 12 KW, 500 CFM, 45" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,627.62 | 191.07 |
| 23 82 39 13-0017 | EA | 14 KW, 500 CFM, 45" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,678.59 | 191.07 |
| 23 82 39 13-0018 | EA | 16 KW, 500 CFM, 45" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 3,729.55 | 191.07 |
| 23 82 39 13-0019 | EA | For Ceiling Installation of 45" Cabinet Unit Heater, Add | 254.77 | 127.38 |

### 23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length *(23 82 39 13-0001)*

| | | | | |
|---|---|---|---|---|
| 23 82 39 13-0021 | EA | 6 KW, 750 CFM, 58" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 4,298.30 | 254.77 |
| 23 82 39 13-0022 | EA | 8 KW, 750 CFM, 58" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 4,349.25 | 254.77 |
| 23 82 39 13-0023 | EA | 10 KW, 750 CFM, 58" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 4,400.23 | 254.77 |
| 23 82 39 13-0024 | EA | 12 KW, 750 CFM, 58" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 4,451.18 | 254.77 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 39 13-0025 | EA | 14 KW, 750 CFM, 58" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 4,502.16 | 254.77 |
| 23 82 39 13-0026 | EA | 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 4,553.11 | 254.77 |
| 23 82 39 13-0027 | EA | For Ceiling Installation of 58" Cabinet Unit Heater, Add | 318.46 | 159.23 |
| 23 82 39 13-0028 | | Electric Cabinet Unit Heaters, 68" Cabinet Length *(23 82 39 13-0001)* | | |
| 23 82 39 13-0029 | EA | 6 KW, 750 CFM, 68" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 5,070.91 | 318.46 |
| 23 82 39 13-0030 | EA | 9 KW, 750 CFM, 68" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 5,147.35 | 318.46 |
| 23 82 39 13-0031 | EA | 12 KW, 750 CFM, 68" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 5,223.79 | 318.46 |
| 23 82 39 13-0032 | EA | 15 KW, 750 CFM, 68" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 5,300.24 | 318.46 |
| 23 82 39 13-0033 | EA | 18 KW, 750 CFM, 68" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 5,376.70 | 318.46 |
| 23 82 39 13-0034 | EA | 21 KW, 750 CFM, 68" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 5,453.14 | 318.46 |
| 23 82 39 13-0035 | EA | 24 KW, 750 CFM, 68" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 5,529.59 | 318.46 |
| 23 82 39 13-0036 | EA | For Ceiling Installation of 68" Cabinet Unit Heater, Add | 425.46 | 212.73 |
| 23 82 39 13-0037 | | Electric Cabinet Unit Heaters, 78" Cabinet Length *(23 82 39 13-0001)* | | |
| 23 82 39 13-0038 | EA | 8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 5,945.44 | 382.15 |
| 23 82 39 13-0039 | EA | 12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 6,047.37 | 382.15 |
| 23 82 39 13-0040 | EA | 16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 6,149.30 | 382.15 |
| 23 82 39 13-0041 | EA | 20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 6,251.23 | 382.15 |
| 23 82 39 13-0042 | EA | 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 6,353.16 | 382.15 |
| 23 82 39 13-0043 | EA | 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 6,455.09 | 382.15 |
| 23 82 39 13-0044 | EA | 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater<br>Note: Wall or floor mounted. | 6,557.02 | 382.15 |
| 23 82 39 13-0045 | EA | For Ceiling Installation of 78" Cabinet Unit Heater, Add | 509.53 | 254.77 |
| 23 82 39 13-0046 | | Removal and Reinstallation of Cabinet Unit Heaters *(23 82 39 13)*<br>Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports. | | |
| 23 82 39 13-0047 | EA | Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall | 322.03 | |
| 23 82 39 13-0048 | EA | Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall | 556.25 | |
| 23 82 39 13-0049 | EA | Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling | 663.97 | |
| 23 82 39 13-0050 | EA | Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling | 898.17 | |
| **23 82 39 16** | | **Propeller Unit Heaters** *(23 82 39)* | | |
| 23 82 39 16-0001 | | Hydronic Unit Heaters Using Steam Or Hot Water *(23 82 39 16)*<br>Note: For use with either steam or heating hot water. Heating output capacities for both are listed. | | |
| 23 82 39 16-0002 | | Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)* | | |
| 23 82 39 16-0003 | EA | 18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 1,307.97 | 117.10 |
| 23 82 39 16-0004 | EA | 24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 1,310.90 | 117.10 |
| 23 82 39 16-0005 | EA | 36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 1,479.25 | 117.10 |
| 23 82 39 16-0006 | EA | 48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 1,771.56 | 175.66 |
| 23 82 39 16-0007 | EA | 60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 1,857.69 | 175.66 |
| 23 82 39 16-0008 | EA | 72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 1,985.95 | 175.66 |
| 23 82 39 16-0009 | EA | 84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 2,355.55 | 234.21 |
| 23 82 39 16-0010 | EA | 96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 2,613.95 | 234.21 |
| 23 82 39 16-0011 | EA | 108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 2,778.39 | 234.21 |
| 23 82 39 16-0012 | EA | 120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 2,911.51 | 234.21 |
| 23 82 39 16-0013 | EA | 132 MBH Steam, 95.8 MBH Hot Water, 2.000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 3,251.78 | 292.76 |
| 23 82 39 16-0014 | EA | 144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 3,296.82 | 292.76 |
| 23 82 39 16-0015 | EA | 156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 3,339.89 | 292.76 |
| 23 82 39 16-0016 | EA | 180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 3,509.77 | 351.31 |
| 23 82 39 16-0017 | EA | 204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 3,846.48 | 351.31 |
| 23 82 39 16-0018 | EA | 240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 4,376.81 | 409.86 |
| 23 82 39 16-0019 | EA | 280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 5,596.39 | 409.86 |
| 23 82 39 16-0020 | EA | 300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 5,913.07 | 468.41 |
| 23 82 39 16-0021 | EA | 360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt | 7,165.94 | 468.41 |
| 23 82 39 16-0022 | EA | Fan Guard For Fan Propelled Steam Unit Heater, Horizontal<br>Note: Required only for unit heaters located within 7' of a working surface. | 269.75 | 29.28 |
| 23 82 39 16-0023 | | Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)* | | |
| 23 82 39 16-0024 | EA | 41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 1,887.08 | 117.10 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 82 39 16-0025 | EA | 65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 1,980.05 | 175.66 |
| 23 82 39 16-0026 | EA | 80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 2,149.40 | 175.66 |
| 23 82 39 16-0027 | EA | 101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 2,619.85 | 234.21 |
| 23 82 39 16-0028 | EA | 124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 2,786.22 | 234.21 |
| 23 82 39 16-0029 | EA | 152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 3,208.29 | 351.31 |
| 23 82 39 16-0030 | EA | 173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 3,462.78 | 351.31 |
| 23 82 39 16-0031 | EA | 210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 3,676.18 | 351.31 |
| 23 82 39 16-0032 | EA | 249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 4,085.11 | 409.86 |
| 23 82 39 16-0033 | EA | 283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 4,337.66 | 409.86 |
| 23 82 39 16-0034 | EA | 333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 4,848.58 | 409.86 |
| 23 82 39 16-0035 | EA | 386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 5,548.60 | 526.96 |
| 23 82 39 16-0036 | EA | 496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 7,247.81 | 526.96 |
| 23 82 39 16-0037 | EA | 585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 7,768.53 | 526.96 |
| 23 82 39 16-0038 | EA | 705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt | 8,860.52 | 585.51 |
| 23 82 39 16-0039 | EA | Fan Guard For Fan Propelled Steam Unit Heater, Vertical<br>Note: Required only for unit heaters located within 7' of a working surface. | 372.25 | 29.28 |

### 23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters *(23 82 39 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

| | | | | |
|---|---|---|---|---|
| 23 82 39 16-0041 | EA | Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical | 702.61 | |
| 23 82 39 16-0042 | EA | Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical | 936.82 | |

## 23 82 39 19 Wall and Ceiling Unit Heaters *(23 82 39)*

### 23 82 39 19-0001 Electric Unit Heaters *(23 82 39 19)*

Note: May be mounted both vertically and horizontally.

| | | | | |
|---|---|---|---|---|
| 23 82 39 19-0002 | EA | 3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt | 935.02 | 127.38 |
| 23 82 39 19-0003 | EA | 5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt | 935.02 | 127.38 |
| 23 82 39 19-0004 | EA | 7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt | 1,254.80 | 159.23 |
| 23 82 39 19-0005 | EA | 10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt | 1,438.74 | 191.07 |
| 23 82 39 19-0006 | EA | 15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt | 2,100.58 | 254.77 |
| 23 82 39 19-0007 | EA | 20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt | 3,062.55 | 318.46 |
| 23 82 39 19-0008 | EA | 30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt | 4,230.09 | 382.15 |
| 23 82 39 19-0009 | EA | 50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt | 6,189.12 | 445.84 |
| 23 82 39 19-0010 | EA | 3 KW, 350 CFM Electric Unit Heater - 480 Volt | 1,156.16 | 127.38 |
| 23 82 39 19-0011 | EA | 5 KW, 350 CFM Electric Unit Heater - 480 Volt | 1,112.99 | 127.38 |
| 23 82 39 19-0012 | EA | 7.5 KW, 650 CFM Electric Unit Heater - 480 Volt | 1,318.00 | 159.23 |
| 23 82 39 19-0013 | EA | 10 KW, 650 CFM Electric Unit Heater - 480 Volt | 1,520.97 | 191.07 |
| 23 82 39 19-0014 | EA | 15 KW, 910 CFM Electric Unit Heater - 480 Volt | 2,265.03 | 254.77 |

### 23 82 39 19-0015 Electric Ceiling and Wall Heaters *(23 82 39 19)*

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

| | | | | |
|---|---|---|---|---|
| 23 82 39 19-0016 | EA | 1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater | 426.46 | 79.62 |
| 23 82 39 19-0017 | EA | 1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater | 499.12 | 89.17 |
| 23 82 39 19-0018 | EA | 3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater | 782.54 | 89.17 |
| 23 82 39 19-0019 | EA | 1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater | 484.67 | 79.62 |
| 23 82 39 19-0020 | EA | 1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater | 590.98 | 89.17 |
| 23 82 39 19-0021 | EA | 3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater | 890.44 | 89.17 |
| 23 82 39 19-0022 | EA | 1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater | 637.40 | 105.09 |
| 23 82 39 19-0023 | EA | 3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater | 1,191.39 | 111.46 |
| 23 82 39 19-0024 | EA | 4,800/3,600 Watt Recessed Electric Ceiling Heater | 1,341.17 | 111.46 |
| 23 82 39 19-0025 | EA | 4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater | 1,557.25 | 117.83 |
| 23 82 39 19-0026 | EA | 5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater | 1,688.76 | 117.83 |
| 23 82 39 19-0027 | EA | 1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater | 715.20 | 105.09 |
| 23 82 39 19-0028 | EA | 3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater | 1,313.93 | 111.46 |
| 23 82 39 19-0029 | EA | 4,800/3,600 Watt Surface Mounted Electric Ceiling Heater | 1,463.71 | 111.46 |
| 23 82 39 19-0030 | EA | Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB) | 679.10 | 79.62 |

### 23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters *(23 82 39 19)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

| | | | | |
|---|---|---|---|---|
| 23 82 39 19-0032 | EA | Removal And Reinstallation Of Up To 15KW Electric Unit Heater | 421.60 | |
| 23 82 39 19-0033 | EA | Removal And Reinstallation Of >15 KW Electric Unit Heater | 866.66 | |

# 23 83 Radiant Heating Units *(23 80)*

## 23 83 13 Radiant-Heating Electric Cables *(23 83)*

## 23 83 13 13 Radiant-Heating Electric Cables *(23 83 13)*

### 23 83 13 13-0001 Self Regulating Heating Cable *(23 83 13 13)*

| | | | | |
|---|---|---|---|---|
| 23 83 13 13-0002 | LF | 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable<br>Note: Tinned copper braid, at 50 Degrees F. | 9.52 | 0.88 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 83 13 13-0003 | LF | 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable<br>Note: Tinned copper braid, at 50 degrees F. | 10.15 | 0.88 |
| 23 83 13 13-0004 | LF | 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable<br>Note: Tinned copper braid, at 50 degrees F. | 10.60 | 0.88 |
| 23 83 13 13-0005 | LF | 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable<br>Note: Tinned copper braid, at 50 degrees F. | 9.52 | 0.88 |
| 23 83 13 13-0006 | LF | 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable<br>Note: Tinned copper braid, at 50 degrees F | 11.23 | 0.88 |
| 23 83 13 13-0007 | LF | 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable<br>Note: Tinned copper braid, at 50 degrees F. | 11.86 | 0.88 |
| 23 83 13 13-0008 | LF | 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions<br>Note: Tinned copper braid, at 50 Degrees F. | 11.85 | 0.88 |
| 23 83 13 13-0009 | LF | 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions<br>Note: Tinned copper braid, at 50 degrees F. | 12.15 | 0.88 |
| 23 83 13 13-0010 | LF | 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions<br>Note: Tinned copper braid, at 50 degrees F. | 12.44 | 0.88 |
| 23 83 13 13-0011 | LF | 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions<br>Note: Tinned copper braid, at 50 degrees F. | 11.85 | 0.88 |
| 23 83 13 13-0012 | LF | 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions<br>Note: Tinned copper braid, at 50 degrees F | 12.15 | 0.88 |
| 23 83 13 13-0013 | LF | 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions<br>Note: Tinned copper braid, at 50 degrees F. | 12.44 | 0.88 |
| 23 83 13 13-0014 | LF | 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments<br>Note: Tinned copper braid, at 50 Degrees F. | 14.79 | 0.88 |
| 23 83 13 13-0015 | LF | 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments<br>Note: Tinned copper braid, at 50 degrees F. | 15.37 | 0.88 |
| 23 83 13 13-0016 | LF | 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments<br>Note: Tinned copper braid, at 50 degrees F. | 15.67 | 0.88 |
| 23 83 13 13-0017 | LF | 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments<br>Note: Tinned copper braid, at 50 degrees F. | 14.79 | 0.88 |
| 23 83 13 13-0018 | LF | 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments<br>Note: Tinned copper braid, at 50 degrees F | 15.37 | 0.88 |
| 23 83 13 13-0019 | LF | 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments<br>Note: Tinned copper braid, at 50 degrees F. | 15.67 | 0.88 |
| 23 83 13 13-0020 | EA | Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable | 335.62 | 69.45 |
| 23 83 13 13-0021 | EA | Splice And Tee Kit For Self Regulating Low Temperature Heating Cable | 335.62 | 69.45 |
| 23 83 13 13-0022 | EA | End Seal Kit For Self Regulating Low Temperature Heating Cable | 221.98 | 12.63 |
| 23 83 13 13-0023 | EA | Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable | 601.82 | 31.57 |
| 23 83 13 13-0024 | EA | Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable | 663.01 | 31.57 |

# 23 84 Humidity Control Equipment *(23 80)*

## 23 84 13 Humidifiers *(23 84)*

### 23 84 13 16 Wetted-Element Humidifiers *(23 84 13)*

#### 23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing *(23 84 13 16)*

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.

| | | | | |
|---|---|---|---|---|
| 23 84 13 16-0002 | EA | 1-96 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold | 13,378.41 | 482.47 |
| 23 84 13 16-0003 | EA | 20-168 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold | 16,978.02 | 483.63 |

### 23 84 13 23 Direct-Steam-Injection Humidifiers *(23 84 13)*

#### 23 84 13 23-0001 Steam Type Pneumatically Controlled *(23 84 13 23)*

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

| | | | | |
|---|---|---|---|---|
| 23 84 13 23-0002 | EA | 3-191 Lb./Hour Steam Humidifier, 24" Manifold, Pneumatic Controls | 2,134.20 | 309.15 |
| | | *For Electrically Controlled Unit, Add* | *700.00* | |
| | | *For Each Additional Manifold, Add* | *655.87* | |
| 23 84 13 23-0003 | EA | 3-191 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls | 2,134.20 | 309.15 |
| | | *For Electrically Controlled Unit, Add* | *700.00* | |
| | | *For Each Additional Manifold, Add* | *655.87* | |
| 23 84 13 23-0004 | EA | 65-334 Lb./Hour Steam Humidifier, 36" Manifold, Pneumatic Controls | 3,081.27 | 309.15 |
| | | *For Electrically Controlled Unit, Add* | *700.00* | |
| | | *For Each Additional Manifold, Add* | *939.99* | |
| 23 84 13 23-0005 | EA | 65-334 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls | 3,198.37 | 386.44 |
| | | *For Electrically Controlled Unit, Add* | *700.00* | |
| | | *For Each Additional Manifold, Add* | *979.03* | |
| 23 84 13 23-0006 | EA | 100-690 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls | 4,638.50 | 309.15 |
| | | *For Electrically Controlled Unit, Add* | *700.00* | |
| | | *For Each Additional Manifold, Add* | *1,407.16* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 23 84 13 23-0007 | EA | 100-690 Lb./Hour Steam Humidifier, 84" Manifold, Pneumatic Controls | 4,755.60 | 386.44 |
| | | *For Electrically Controlled Unit, Add* | *700.00* | |
| | | *For Each Additional Manifold, Add* | *1,446.20* | |
| 23 84 13 23-0008 | EA | 220-2,000 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls | 7,188.77 | 386.44 |
| | | *For Electrically Controlled Unit, Add* | *700.00* | |
| | | *For Each Additional Manifold, Add* | *2,176.15* | |
| 23 84 13 23-0009 | EA | 220-2,000 Lb./Hour Steam Humidifier, 144" Manifold, Pneumatic Controls | 7,335.15 | 483.63 |
| | | *For Electrically Controlled Unit, Add* | *700.00* | |
| | | *For Each Additional Manifold, Add* | *2,224.94* | |

### 23 84 13 29 Self-Contained Steam Humidifiers *(23 84 13)*

23 84 13 29-0001 Residential Humidifiers *(23 84 13 29)*

Note: Includes solenoid valve and flow through water supply.

| | | | | |
|---|---|---|---|---|
| 23 84 13 29-0002 | EA | Duct Or Furnace Mounted Humidifier, Residential Type | 608.54 | 58.55 |

### 23 84 16 Mechanical Dehumidification Units *(23 84)*

### 23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001 Mechanical Dehumidification Units *(23 84 16 16)*

Note: Sized by moisture removal per 24 hours.

| | | | | |
|---|---|---|---|---|
| 23 84 16 16-0002 | EA | 65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier | 2,384.70 | 63.69 |
| 23 84 16 16-0003 | EA | 90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier | 3,001.24 | 74.30 |
| 23 84 16 16-0004 | EA | 120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier | 4,025.35 | 84.92 |

### 23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001 Self Contained Free Standing Unit *(23 84 16 33)*

Note: Sized by moisture removal per 24 hours.

| | | | | |
|---|---|---|---|---|
| 23 84 16 33-0002 | EA | 30 Pint/24 Hour Dehumidifier | 538.46 | 137.83 |
| 23 84 16 33-0003 | EA | 50 Pint/24 Hour Dehumidifier | 648.95 | 137.83 |
| 23 84 16 33-0004 | EA | 70 Pint/24 Hour Dehumidifier | 715.24 | 137.83 |

**END OF SECTION 23**

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

# 26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electricial equipment and lighting shall conform to California Title 24.

## 26 01 Operation and Maintenance of Electrical Systems *(26)*

### 26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution *(26 01)*

#### 26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*
Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

| | | | | | |
|---|---|---|---|---|---|
| 26 01 10 91-0002 | EA | 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)<br>Note: 2mm thick, aluminum frame, hinged cover. | | 530.57 | |
| | | *For Up To 20, Add* | | *113.21* | |
| | | *For >20 To 50, Add* | | *90.57* | |
| | | *For >50 To 100, Add* | | *45.28* | |
| 26 01 10 91-0003 | EA | 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)<br>Note: 2mm thick, aluminum frame, hinged cover. | | 692.87 | |
| | | *For Up To 20, Add* | | *153.78* | |
| | | *For >20 To 50, Add* | | *123.03* | |
| | | *For >50 To 100, Add* | | *61.51* | |
| 26 01 10 91-0004 | EA | 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)<br>Note: 4mm thick, aluminum frame, hinged cover. | | 1,049.94 | |
| | | *For Up To 20, Add* | | *243.05* | |
| | | *For >20 To 50, Add* | | *194.44* | |
| | | *For >50 To 100, Add* | | *97.22* | |
| 26 01 10 91-0005 | EA | 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)<br>Note: 2mm thick, aluminum frame, twist cover. | | 528.80 | |
| | | *For Up To 20, Add* | | *112.77* | |
| | | *For >20 To 50, Add* | | *90.21* | |
| | | *For >50 To 100, Add* | | *45.11* | |
| 26 01 10 91-0006 | EA | 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)<br>Note: 2mm thick, aluminum frame, twist cover. | | 679.65 | |
| | | *For Up To 20, Add* | | *150.48* | |
| | | *For >20 To 50, Add* | | *120.38* | |
| | | *For >50 To 100, Add* | | *60.19* | |
| 26 01 10 91-0007 | EA | 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)<br>Note: 4mm thick, aluminum frame, twist cover. | | 1,020.59 | |
| | | *For Up To 20, Add* | | *235.71* | |
| | | *For >20 To 50, Add* | | *188.57* | |
| | | *For >50 To 100, Add* | | *94.29* | |
| 26 01 10 91-0008 | EA | 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)<br>Note: 0.25mm thick, composite frame, metal grille reinforced polymer. | | 413.71 | |
| | | *For Up To 20, Add* | | *83.99* | |
| | | *For >20 To 50, Add* | | *67.19* | |
| | | *For >50 To 100, Add* | | *33.60* | |
| 26 01 10 91-0009 | EA | 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)<br>Note: 0.25mm thick, composite frame, metal grille reinforced polymer. | | 589.00 | |
| | | *For Up To 20, Add* | | *127.82* | |
| | | *For >20 To 50, Add* | | *102.25* | |
| | | *For >50 To 100, Add* | | *51.13* | |
| 26 01 10 91-0010 | EA | 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)<br>Note: 0.25mm thick, composite frame, metal grille reinforced polymer. | | 844.63 | |
| | | *For Up To 20, Add* | | *191.72* | |
| | | *For >20 To 50, Add* | | *153.38* | |
| | | *For >50 To 100, Add* | | *76.69* | |
| 26 01 10 91-0011 | EA | 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)<br>Note: 4mm thick, aluminum frame, magnetic cover. | | 768.78 | |
| | | *For Up To 20, Add* | | *172.76* | |
| | | *For >20 To 50, Add* | | *138.21* | |
| | | *For >50 To 100, Add* | | *69.10* | |
| 26 01 10 91-0012 | EA | 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)<br>Note: 4mm thick, aluminum frame, magnetic cover. | | 1,062.05 | |
| | | *For Up To 20, Add* | | *246.08* | |
| | | *For >20 To 50, Add* | | *196.86* | |
| | | *For >50 To 100, Add* | | *98.43* | |
| 26 01 10 91-0013 | EA | 4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)<br>Note: 4mm thick, aluminum frame, magnetic cover. | | 1,957.78 | |
| | | *For Up To 20, Add* | | *470.01* | |
| | | *For >20 To 50, Add* | | *376.01* | |
| | | *For >50 To 100, Add* | | *188.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 10 91-0014 | EA | 3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)<br>Note: 4mm thick, aluminum frame, magnetic cover. | 885.34 | |
| | | *For Up To 20, Add* | *201.90* | |
| | | *For >20 To 50, Add* | *161.52* | |
| | | *For >50 To 100, Add* | *80.76* | |
| 26 01 10 91-0015 | EA | 4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)<br>Note: 4mm thick, aluminum frame, magnetic cover. | 1,309.98 | |
| | | *For Up To 20, Add* | *308.06* | |
| | | *For >20 To 50, Add* | *246.45* | |
| | | *For >50 To 100, Add* | *123.22* | |

## 26 01 10 99 Medium-Voltage Electrical Distribution, Facilities Maintenance and Repair *(26 01 10)*

### 26 01 10 99-0001 Liquid Filled Primary Transformer *(26 01 10 99)*

Note: Includes all required small tools and equipment.

### 26 01 10 99-0002 Repair 500 KVA Liquid Filled Primary Transformer *(26 01 10 99-0001)*

| | | | |
|---|---|---|---|
| 26 01 10 99-0003 | EA | Remove Transformer Component, Repair 500 KVA Liquid Filled Primary Transformer | 125.30 |
| 26 01 10 99-0004 | EA | Install New Transformer Component, Repair 500 KVA Liquid Filled Primary Transformer | 2,828.35 |

### 26 01 10 99-0005 Maintenance And Inspection, Liquid Filled Primary Transformer *(26 01 10 99-0001)*

| | | | |
|---|---|---|---|
| 26 01 10 99-0006 | EA | Test Energized Transformer, Maintenance And Inspection, Liquid Filled Primary Transformer | 62.65 |

### 26 01 10 99-0007 Replace 500 KVA Liquid Filled Primary Transformer *(26 01 10 99-0001)*

| | | | |
|---|---|---|---|
| 26 01 10 99-0008 | EA | Remove Transformer, Replace 500 KVA Liquid Filled Primary Transformer | 1,848.06 |
| 26 01 10 99-0009 | EA | Install New 5 KV Primary, 277/480 Volt Secondary, Replace 500 KVA Liquid Filled Primary Transformer | 46,653.67 |

### 26 01 10 99-0010 Switchgear, Mainframe *(26 01 10 99)*

Note: Includes all required small tools and equipment.

### 26 01 10 99-0011 Repair 1,200 Amp Switchgear *(26 01 10 99-0010)*

| | | | |
|---|---|---|---|
| 26 01 10 99-0012 | EA | Remove Relay, Repair 1,200 Amperes Switchgear | 213.26 |
| 26 01 10 99-0013 | EA | Install New Relay, Repair 1,200 Amperes Switchgear | 1,961.88 |

### 26 01 10 99-0014 Maintenance And Inspection, Mainframe Switchgear *(26 01 10 99-0010)*

| | | | |
|---|---|---|---|
| 26 01 10 99-0015 | EA | Check And Retighten Switchgear Connections, Maintenance And Inspection, Mainframe Switchgear | 100.24 |

### 26 01 10 99-0016 Replace 1,200 Amp Switchgear *(26 01 10 99-0010)*

| | | | |
|---|---|---|---|
| 26 01 10 99-0017 | EA | Remove 1,200 Amperes Switchgear, Replace 1,200 Amperes Switchgear | 751.80 |
| 26 01 10 99-0018 | EA | Install New 1,200 Amperes Switchgear, Replace 1,200 Amperes Switchgear | 4,576.60 |
| 26 01 10 99-0019 | EA | Test Switchgear, Replace 1,200 Amperes Switchgear | 250.60 |

### 26 01 10 99-0020 500kVA And Over, Dry Type Transformer Preventative Maintenance *(26 01 10 99)*

Note: Includes all required small tools and equipment.

| | | | |
|---|---|---|---|
| 26 01 10 99-0021 | EA | Annual Preventative Maintenance For 500kVA And Over, Dry Type Transformer<br>Note: 1. Examine Exterior Of Transformer For Any Damage. 2. Remove Covers Or Open Doors. 3. Check For Signs Of Moisture Or Overheating. 4. Check For Voltage Creeping Over Insulated Surfaces, Such As Evidenced By Tracking Or Carbonization. 5. Check Fans, Motors And Other Auxiliary Devices For Proper Operation; Where Applicable. 6. Check Condition Of Ground System. 7. Reinstall Covers Or Close Doors. 8. Fill Out Maintenance Checklist And Report Deficiencies. | 115.81 |

### 26 01 10 99-0022 Pad Mounted Oil Transformer Preventative Maintenance *(26 01 10 99)*

Note: Includes all required small tools and equipment.

| | | | |
|---|---|---|---|
| 26 01 10 99-0023 | EA | Annual Preventative Maintenance For Pad Mounted Oil Transformer<br>Note: 1. Examine Exterior Of Transformer For Any Damage, Cracks, Rust And Leaks; Check Around Bushings, Gasket And Pressure Relief Device. 2. Check Condition Of Ground System. 3. Check And Record Oil Level, Pressure And Temperature Readings. 4. Check Fans, Motors And Other Auxiliary Devices For Proper Operation; Where Applicable. 5. Draw Oil Sample From Top Of Transformer And Have Sample Tested For Dielectric Strength; Add Oil To Replace Sample Taken. 6. Clean Transformer Exterior And Surrounding Area. 7. Fill Out Maintenance Checklist And Report Deficiencies. | 177.93 |

### 26 01 10 99-0024 PCB Pad Mounted Oil Transformer Preventative Maintenance *(26 01 10 99)*

Note: Includes all required small tools and equipment.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 10 99-0025 | EA | Annual Preventative Maintenance For PCB Pad Mounted Oil Transformer<br>Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Examine Exterior Of The Transformer For Any Damage, Cracks, Rust And Leaks; Check Around Gaskets, Pressure Relief Device And Cooling Fins. 3. Check And Record Oil Level, Pressure And Temperature Readings. 4. Check Fans, Motors And Other Auxiliary Devices For Proper Operation; Where Applicable. 5. Check Exterior Bushings For Leaking Oil. 6. Check Condition Of Ground System. 7. Draw Oil Sample From Top Of Transformer And Have Sample Tested; Add Oil To Replace Sample Taken. 8. Clean Transformer Exterior And Surrounding Area. 9. Verify PCB Warning Markings Are Intact And Clearly Visible 10. Fill Out Maintenance Checklist And Report Deficiencies. 11. EPA Regulations Under 40 CFR 716.30 Shall Apply To All Inspections, Samples, Disposal, Cleanups, Decontamination, Reporting And Record Keeping. | 229.56 | |

## 26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

### 26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

#### 26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*

Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

| | | | | |
|---|---|---|---|---|
| 26 01 20 91-0002 | EA | Lock Out/Tag Out Local Disconnect<br>Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s). | 45.46 | |
| 26 01 20 91-0003 | EA | Lock Out/Tag Out Breaker Or Motor Starter<br>Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s). | 45.46 | |
| 26 01 20 91-0004 | EA | Lock Out Padlock Device<br>Note: Includes the installation and removal of pad lock when required | 12.63 | |
| 26 01 20 91-0005 | EA | Lock Out Tags<br>Note: Includes filling out tag information, installation and removal of identifying tags. | 5.09 | |

#### 26 01 20 91-0006 Existing Circuit Tracing *(26 01 20 91)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 91-0007 | EA | Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device | 26.27 | |
| 26 01 20 91-0008 | EA | Lighting, Existing Circuit Tracing Per Circuit | 26.27 | |

### 26 01 20 99 Low-Voltage Electrical Distribution, Facilities Maintenance and Repair *(26 01 20)*

Note: The Maintenance & Repair section is a listing of common maintenance tasks performed at facilities. Under the System Description column, each task, including its components, is described. Labor-hours have been enhanced, where appropriate, to include setup and delay time. In some cases, the list of steps comprising the task includes most of the potential repairs that could be made on a system. For those tasks, individual items, as appropriate, can be selected from the all-encompassing list.

#### 26 01 20 99-0001 Electrical Service/Distribution *(26 01 20 99)*

Note: Includes all required small tools and equipment.

#### 26 01 20 99-0002 Dry Primary Transformer *(26 01 20 99-0001)*

#### 26 01 20 99-0003 Repair 15 KV Dry Primary Transformer *(26 01 20 99-0002)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 99-0004 | EA | Repair Transformer Terminal (For Repair 15 KV Dry Primary Transformer) | 321.11 | |

#### 26 01 20 99-0005 Maintenance And Inspection, Dry Primary Transformer *(26 01 20 99-0002)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 99-0006 | EA | Test Energized Transformer (For Maintenance And Inspection, Dry Primary Transformer) | 62.65 | |

#### 26 01 20 99-0007 Replace 15 KV Dry Primary Transformer *(26 01 20 99-0002)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 99-0008 | EA | Remove Transformer (For Replace 15 KV Dry Primary Transformer) | 1,848.06 | |
| 26 01 20 99-0009 | EA | Install New 500 KVA, 277/480 Volt Secondary (For Replace 15 KV Dry Primary Transformer) | 44,619.49 | |

#### 26 01 20 99-0010 Fuses *(26 01 20 99-0001)*

#### 26 01 20 99-0011 Replace Fuse *(26 01 20 99-0010)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 99-0012 | EA | Remove Fuse (For Replace Fuse) | 18.92 | |
| 26 01 20 99-0013 | EA | Install New Fuse 600 Amp (For Replace Fuse) | 493.46 | |

#### 26 01 20 99-0014 Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0001)*

#### 26 01 20 99-0015 Repair (5% Of Total Circuit Breaker) Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 99-0016 | EA | Remove Circuit Breaker (For Repair (5% Of Total Circuit Breaker) Less Than 600 Volt Indoor Switchgear) | 50.12 | |
| 26 01 20 99-0017 | EA | Install New Circuit Breaker (For Repair (5% Of Total Circuit Breaker) Less Than 600 Volt Indoor Switchgear) | 842.96 | |

#### 26 01 20 99-0018 Maintenance And Inspection, Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 99-0019 | EA | Inspect And Clean Panel (For Maintenance And Inspection, Less Than 600 Volt Indoor Switchgear) | 62.65 | |

#### 26 01 20 99-0020 Replace 225 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 99-0021 | EA | Remove 4 Wire, 120/208 Volt, Panel Board (For Replace 225 AMP Switchgear, Less Than 600 Volt Indoor Switchgear) | 501.20 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 20 99-0022 | EA | Install New 4 Wire, 120/208 Volt, 225 Amp Main Circuit Breaker, Panel Board (For Replace 225 AMP Switchgear, Less Than 600 Volt Indoor Switchgear) | 2,099.67 | |
| 26 01 20 99-0023 | EA | Test Circuits (For Replace 225 AMP Switchgear, Less Than 600 Volt Indoor Switchgear) | 189.08 | |
| **26 01 20 99-0024** | | **Replace 400 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear** *(26 01 20 99-0014)* | | |
| 26 01 20 99-0025 | EA | Turn Power Off, Later Turn On (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 25.06 | |
| 26 01 20 99-0026 | EA | Remove 4 Wire, 120/208 Volt, 100 Amp, Panel Board (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 417.62 | |
| 26 01 20 99-0027 | EA | Remove 4 Wire, 120/208 Volt, 400 Amp, Panel Board (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 1,044.12 | |
| 26 01 20 99-0028 | EA | Install New 100 Amp Main Circuit Breaker, 4 Wire, 120/208 Volt, Panel Board (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 6,889.86 | |
| 26 01 20 99-0029 | EA | Install New 400 Amp Main Circuit Breaker, 4 Wire, 120/208 Volt, Panel Board (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 11,340.63 | |
| 26 01 20 99-0030 | EA | Test Circuits (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 18.17 | |
| **26 01 20 99-0031** | | **Replace 600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear** *(26 01 20 99-0014)* | | |
| 26 01 20 99-0032 | EA | Turn Power Off, Later Turn On (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 37.59 | |
| 26 01 20 99-0033 | EA | Remove 4 Wire, 120/208 Volt, 200 Amp, Panel Board (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 835.37 | |
| 26 01 20 99-0034 | EA | Remove Incoming Section (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 607.45 | |
| 26 01 20 99-0035 | EA | Remove Distribution Section (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 501.20 | |
| 26 01 20 99-0036 | EA | Install New 225 Amp Main Circuit Breaker, 4 Wire, 120/208 Volt, Panel Board (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 6,861.75 | |
| 26 01 20 99-0037 | EA | Install New Incoming Section, 600 Amp (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 7,320.65 | |
| 26 01 20 99-0038 | EA | Install New Distribution Section, 600 Amp (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 3,708.73 | |
| 26 01 20 99-0039 | EA | Test Circuits (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 27.32 | |
| **26 01 20 99-0040** | | **Replace 800 Amp Switchgear, Less Than 600 Volt Indoor Switchgear** *(26 01 20 99-0014)* | | |
| 26 01 20 99-0041 | EA | Turn Power Off, Later Turn On (For Replace 800 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 50.12 | |
| 26 01 20 99-0042 | EA | Remove 4 Wire, 120/208 Volt, 200 Amperes, 2 Panel Boards (For Replace 800 Amp Switchgear, Less Than 600 Volt Indoor Switchgear) | 1,670.62 | |
| 26 01 20 99-0043 | EA | Remove Incoming Section (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 691.28 | |
| 26 01 20 99-0044 | EA | Remove Distribution Section (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 556.83 | |
| 26 01 20 99-0045 | EA | Install New 225 Amperes Main Lugs, 4 Wire, 120/208 Volt, 2 Panel Boards (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 13,336.11 | |
| 26 01 20 99-0046 | EA | Install New Incoming Section, 800 Amperes (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 7,594.06 | |
| 26 01 20 99-0047 | EA | Install New Distribution Section, 800 Amperes (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 4,427.62 | |
| 26 01 20 99-0048 | EA | Test Circuits (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 36.46 | |
| **26 01 20 99-0049** | | **Replace 1,200 Amp Switchgear, Less Than 600 Volt Indoor Switchgear** *(26 01 20 99-0014)* | | |
| 26 01 20 99-0050 | EA | Turn Power Off, Later Turn On (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 75.18 | |
| 26 01 20 99-0051 | EA | Remove 4 Wire, 120/208 Volt, 200 Amperes, 4 Panel Boards (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 3,341.36 | |
| 26 01 20 99-0052 | EA | Remove Incoming Section (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 835.37 | |
| 26 01 20 99-0053 | EA | Remove Distribution Section (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 646.67 | |
| 26 01 20 99-0054 | EA | Install New 225 Amperes Main Lugs, 4 Wire, 120/208 Volt, 4 Panel Boards (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 26,672.22 | |
| 26 01 20 99-0055 | EA | Install New Incoming Section, 1,200 Amperes (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 9,172.84 | |
| 26 01 20 99-0056 | EA | Install New Distribution Section, 1,200 Amperes (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 6,016.02 | |
| 26 01 20 99-0057 | EA | Test Circuits (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 54.63 | |
| **26 01 20 99-0058** | | **Replace 1,600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear** *(26 01 20 99-0014)* | | |
| 26 01 20 99-0059 | EA | Turn Power Off, Later Turn On (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 100.24 | |
| 26 01 20 99-0060 | EA | Remove 4 Wire, 120/208 Volt, 200 Amperes, 6 Panel Boards (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 5,011.98 | |
| 26 01 20 99-0061 | EA | Remove Incoming Section (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 911.30 | |
| 26 01 20 99-0062 | EA | Remove Distribution Section (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 691.28 | |
| 26 01 20 99-0063 | EA | Install New 225 Amperes Main Lugs, 4 Wire, 120/208 Volt, 6 Panel Boards (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 40,008.20 | |
| 26 01 20 99-0064 | EA | Install New Incoming Section, 1,600 Amperes (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 9,425.94 | |
| 26 01 20 99-0065 | EA | Install New Distribution Section, 1,600 Ampere (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 8,087.36 | |
| 26 01 20 99-0066 | EA | Test Circuits (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 72.92 | |
| **26 01 20 99-0067** | | **Replace 2,000 Amp Switchgear, Less Than 600 Volt Indoor Switchgear** *(26 01 20 99-0014)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 20 99-0068 | EA | Turn Power Off, Later Turn On (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 125.30 | |
| 26 01 20 99-0069 | EA | Remove 4 Wire, 120/208 Volt, 200 Amperes, 8 Panel Boards (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 6,682.60 | |
| 26 01 20 99-0070 | EA | Remove Incoming Section (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 954.66 | |
| 26 01 20 99-0071 | EA | Remove Distribution Section (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 742.52 | |
| 26 01 20 99-0072 | EA | Install New 225 Amperes Main Lugs, 4 Wire, 120/208 Volt, 8 Panel Boards (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 53,344.31 | |
| 26 01 20 99-0073 | EA | Install New Incoming Section, 2,000 Amperes (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 10,222.30 | |
| 26 01 20 99-0074 | EA | Install New Distribution Section, 2,000 Amperes (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 9,632.60 | |
| 26 01 20 99-0075 | EA | Test Circuits (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear) | 91.09 | |
| 26 01 20 99-0076 | | 600 Volt Indoor Switchgear *(26 01 20 99-0001)* | | |
| 26 01 20 99-0077 | | Maintenance And Repair (5% Of Total Fuses) 600 Volt Indoor Switchgear *(26 01 20 99-0076)* | | |
| 26 01 20 99-0078 | EA | Remove Fuse (For Maintenance And Repair (5% Of Total Fuses) 600 Volt Indoor Switchgear) | 18.92 | |
| 26 01 20 99-0079 | EA | Install New Fuse (For Maintenance And Repair (5% Of Total Fuses) 600 Volt Indoor Switchgear) | 493.46 | |
| 26 01 20 99-0080 | | Maintenance And Inspection, 600 Volt Indoor Switchgear *(26 01 20 99-0076)* | | |
| 26 01 20 99-0081 | EA | Inspect And Clean Panel (For Maintenance And Inspection, 600 Volt Indoor Switchgear) | 62.65 | |
| 26 01 20 99-0082 | | Replace 600 Volt Switchgear *(26 01 20 99-0076)* | | |
| 26 01 20 99-0083 | EA | Remove Indoor Switchgear (For Replace 600 Volt Switchgear) | 501.20 | |
| 26 01 20 99-0084 | EA | Install New Switchgear (For Replace 600 Volt Switchgear) | 3,147.37 | |
| 26 01 20 99-0085 | EA | Test Circuits (For Replace 600 Volt Switchgear) | 250.60 | |
| 26 01 20 99-0086 | | Switchboard Meters *(26 01 20 99-0001)* | | |
| 26 01 20 99-0087 | | Repair Switchboard Meter *(26 01 20 99-0086)* | | |
| 26 01 20 99-0088 | EA | Repair Meter (For Repair Switchboard Meter) | 1,484.61 | |
| 26 01 20 99-0089 | | Replace Switchboard Meter *(26 01 20 99-0086)* | | |
| 26 01 20 99-0090 | EA | Remove Meter (For Replace Switchboard Meter) | 62.65 | |
| 26 01 20 99-0091 | EA | Install New Meter (For Replace Switchboard Meter) | 4,491.04 | |
| 26 01 20 99-0092 | | Inverter *(26 01 20 99-0001)* | | |
| 26 01 20 99-0093 | | Maintenance And Repair, 1 KVA Inverter *(26 01 20 99-0092)* | | |
| 26 01 20 99-0094 | EA | Repair Inverter Component (For Maintenance And Repair, 1 KVA Inverter) | 1,027.11 | |
| 26 01 20 99-0095 | | Maintenance And Inspection, 1 KVA Inverter *(26 01 20 99-0092)* | | |
| 26 01 20 99-0096 | EA | Check Connections, Controls And Relays, Maintenance And Inspection, 1 KVA Inverter | 200.48 | |
| 26 01 20 99-0097 | | Replace 1 KVA Inverter *(26 01 20 99-0092)* | | |
| 26 01 20 99-0098 | EA | Remove Inverter (For Replace 1 KVA Inverter) | 62.65 | |
| 26 01 20 99-0099 | EA | Install New Inverter (For Replace 1 KVA Inverter) | 4,206.60 | |
| 26 01 20 99-0100 | | Up To 600 Volt Rectifier *(26 01 20 99-0001)* | | |
| 26 01 20 99-0101 | | Maintenance And Repair, Up To 600 Volt Rectifier *(26 01 20 99-0100)* | | |
| 26 01 20 99-0102 | EA | Repair Rectifier Component (For Maintenance And Repair, Up To 600 Volt Rectifier) | 862.55 | |
| 26 01 20 99-0103 | | Maintenance And Inspection, Up To 600 Volt Rectifier *(26 01 20 99-0100)* | | |
| 26 01 20 99-0104 | EA | Check Connections, Controls And Relays (For Maintenance And Inspection, Up To 600 Volt Rectifier) | 200.48 | |
| 26 01 20 99-0105 | | Replace Up To 600 Volt Rectifier *(26 01 20 99-0100)* | | |
| 26 01 20 99-0106 | EA | Remove Rectifier (For Replace Up To 600 Volt Rectifier) | 62.65 | |
| 26 01 20 99-0107 | EA | Install New Rectifier (For Replace Up To 600 Volt Rectifier) | 1,295.49 | |
| 26 01 20 99-0108 | | Less Than 600 Volt Motor Starter *(26 01 20 99-0001)* | | |
| 26 01 20 99-0109 | | Maintenance And Repair, Less Than 600 Volt Motor Starter *(26 01 20 99-0108)* | | |
| 26 01 20 99-0110 | EA | Remove Motor Starter Coil (For Maintenance And Repair, Less Than 600 Volt Motor Starter) | 62.65 | |
| 26 01 20 99-0111 | EA | Install New Motor Starter Coil (For Maintenance And Repair, Less Than 600 Volt Motor Starter) | 291.29 | |
| 26 01 20 99-0112 | | Maintenance And Inspection, Less Than 600 Volt Motor Starter *(26 01 20 99-0108)* | | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 20 99-0113 | EA | Inspect And Clean Motor Starter (For Maintenance And Inspection, Less Than 600 Volt Motor Starter) | 83.57 | |
| **26 01 20 99-0114** | | **Replace Starter, Less Than 600 Volt Motor Starter** *(26 01 20 99-0108)* | | |
| 26 01 20 99-0115 | EA | Remove Motor Starter (For Replace Starter, Less Than 600 Volt Motor Starter) | 112.64 | |
| 26 01 20 99-0116 | EA | Install New 5 HP, Size 0, Magnetic Motor Starter (For Replace Starter, Less Than 600 Volt Motor Starter) | 927.21 | |
| 26 01 20 99-0117 | EA | Cut, Form, Align And Connect Wires (For Replace Starter, Less Than 600 Volt Motor Starter) | 18.92 | |
| 26 01 20 99-0118 | EA | Check Operation Of Motor Starter (For Replace Starter, Less Than 600 Volt Motor Starter) | 2.26 | |
| **26 01 20 99-0119** | | **600 Volt Motor Starter** *(26 01 20 99-0001)* | | |
| **26 01 20 99-0120** | | **Maintenance And Repair, 600 Volt Motor Starter** *(26 01 20 99-0119)* | | |
| 26 01 20 99-0121 | EA | Remove Motor Starter Coil (For Maintenance And Repair, 600 Volt Motor Starter) | 213.26 | |
| 26 01 20 99-0122 | EA | Install New Motor Starter Coil (For Maintenance And Repair, 600 Volt Motor Starter) | 769.65 | |
| **26 01 20 99-0123** | | **Maintenance And Inspection, 600 Volt Motor Starter** *(26 01 20 99-0119)* | | |
| 26 01 20 99-0124 | EA | Inspect And Clean Motor Starter (For Maintenance And Inspection, 600 Volt Motor Starter) | 83.57 | |
| **26 01 20 99-0125** | | **Replace 600 Volt Motor Starter** *(26 01 20 99-0119)* | | |
| 26 01 20 99-0126 | EA | Remove Motor Starter (For Replace 600 Volt Motor Starter) | 417.62 | |
| 26 01 20 99-0127 | EA | Install New 3 Pole, 100 HP Motor, FVRN Motor Starter (For Replace 600 Volt Motor Starter) | 6,397.85 | |
| 26 01 20 99-0128 | EA | Cut, Form, Align And Connect Wires (For Replace 600 Volt Motor Starter) | 21.30 | |
| 26 01 20 99-0129 | EA | Check Operation Of Motor Starter (For Replace 600 Volt Motor Starter) | 2.26 | |
| **26 01 20 99-0130** | | **Liquid Filled Secondary Transformer** *(26 01 20 99-0001)* | | |
| **26 01 20 99-0131** | | **Maintenance And Repair, Liquid Filled Secondary Transformer** *(26 01 20 99-0130)* | | |
| 26 01 20 99-0132 | EA | Remove Transformer Terminal (For Maintenance And Repair, Liquid Filled Secondary Transformer) | 43.60 | |
| 26 01 20 99-0133 | EA | Install New Transformer Terminal (For Maintenance And Repair, Liquid Filled Secondary Transformer) | 140.26 | |
| **26 01 20 99-0134** | | **Maintenance And Inspection, Liquid Filled Secondary Transformer** *(26 01 20 99-0130)* | | |
| 26 01 20 99-0135 | EA | Check Connections And Fluid (For Maintenance And Inspection, Liquid Filled Secondary Transformer) | 83.57 | |
| **26 01 20 99-0136** | | **Dry Secondary Transformer** *(26 01 20 99-0001)* | | |
| **26 01 20 99-0137** | | **Maintenance And Repair, Dry Secondary Transformer** *(26 01 20 99-0136)* | | |
| 26 01 20 99-0138 | EA | Remove Transformer Terminal (For Maintenance And Repair, Dry Secondary Transformer) | 62.65 | |
| 26 01 20 99-0139 | EA | Install New Transformer Terminal (For Maintenance And Repair, Dry Secondary Transformer) | 262.04 | |
| **26 01 20 99-0140** | | **Maintenance And Inspection Dry Secondary Transformer** *(26 01 20 99-0136)* | | |
| 26 01 20 99-0141 | EA | Inspect Connections And Tighten (For Maintenance And Inspection Dry Secondary Transformer) | 125.30 | |
| **26 01 20 99-0142** | | **Replace 15 KVA Transformer** *(26 01 20 99-0136)* | | |
| 26 01 20 99-0143 | EA | Remove Transformer, Including Support, Wire And Conduit Terminations (For Replace 15 KVA Transformer) | 546.31 | |
| 26 01 20 99-0144 | EA | Install New 240/480 Volt Primary, 120/208 V Secondary Transformer (For Replace 15 KVA Transformer) | 3,478.34 | |
| **26 01 20 99-0145** | | **Replace 112.5 KVA Transformer** *(26 01 20 99-0136)* | | |
| 26 01 20 99-0146 | EA | Remove Transformer, Including Support, Wire And Conduit Terminations (For Replace 112.5 KVA Transformer) | 924.09 | |
| 26 01 20 99-0147 | EA | Install New 240/480 Volt Primary, 120/208 V Secondary Transformer (For Replace 112.5 KVA Transformer) | 7,384.15 | |
| **26 01 20 99-0148** | | **Replace 500 KVA Transformer** *(26 01 20 99-0136)* | | |
| 26 01 20 99-0149 | EA | Remove Transformer, Including Support, Wire And Conduit Terminations (For Replace 500 KVA Transformer) | 1,914.11 | |
| 26 01 20 99-0150 | EA | Install New 240/480 Volt Primary, 120/208 V Secondary Transformer (For Replace 500 KVA Transformer) | 26,145.71 | |
| **26 01 20 99-0151** | | **Indoor Lighting Panel** *(26 01 20 99-0001)* | | |
| **26 01 20 99-0152** | | **Maintenance And Inspection, Indoor Lighting Panel** *(26 01 20 99-0151)* | | |
| 26 01 20 99-0153 | EA | Inspect And Clean Panels (For Maintenance And Inspection, Indoor Lighting Panel) | 62.65 | |
| **26 01 20 99-0154** | | **Replace 100 Amp Load Center** *(26 01 20 99-0151)* | | |
| 26 01 20 99-0155 | EA | Turn Power Off, Later Turn On (For Replace 100 Amp Load Center) | 12.53 | |
| 26 01 20 99-0156 | EA | Remove 3 Wire, 120/240 Volt, Load Center (For Replace 100 Amp Load Center) | 385.55 | |
| 26 01 20 99-0157 | EA | Install New 3 Wire, 120/240 Volt, 100 Amp, Load Center (For Replace 100 Amp Load Center) | 1,198.93 | |
| 26 01 20 99-0158 | EA | Test Circuits (For Replace 100 Amp Load Center) | 9.15 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 20 99-0159 | | **Lighting And Branch Wiring** *(26 01 20 99)*<br>Note: Includes all required small tools and equipment. | | |
| 26 01 20 99-0160 | | **Wireway** *(26 01 20 99-0159)* | | |
| 26 01 20 99-0161 | | **Replace 8" x 8" Wireway** *(26 01 20 99-0160)* | | |
| 26 01 20 99-0162 | LF | Remove And Reinstall Supply Box (For Replace 8" x 8" Wireway) | 6.26 | |
| 26 01 20 99-0163 | LF | Remove Wireway, Fittings And Support (For Replace 8" x 8" Wireway) | 12.53 | |
| 26 01 20 99-0164 | LF | Install New Wireway, Fittings And Support (For Replace 8" x 8" Wireway) | 86.98 | |
| 26 01 20 99-0165 | | **Non-Metallic (NM) Tubing/Sheathed Cable** *(26 01 20 99-0159)* | | |
| 26 01 20 99-0166 | | **Replace Non-Metallic (NM) Tubing/Sheathed Cable** *(26 01 20 99-0165)* | | |
| 26 01 20 99-0167 | MLF | Shut Off Power, Later Turn On (For Replace Non-Metallic (NM) Tubing/Sheathed Cable) | 12.53 | |
| 26 01 20 99-0168 | MLF | Remove And Reinstall Cover Plate (For Replace Non-Metallic (NM) Tubing/Sheathed Cable) | 161.64 | |
| 26 01 20 99-0169 | MLF | Remove Junction Box (For Replace Non-Metallic (NM) Tubing/Sheathed Cable) | 125.30 | |
| 26 01 20 99-0170 | MLF | Remove Non-Metallic (NM) Tubing, #12, 2 Wire (For Replace Non-Metallic (NM) Tubing/Sheathed Cable) | 1,593.81 | |
| 26 01 20 99-0171 | MLF | Install Non-Metallic (NM) Tubing, #12, 2 Wire (For Replace Non-Metallic (NM) Tubing/Sheathed Cable) | 4,678.23 | |
| 26 01 20 99-0172 | MLF | Install New Staples, For Romex Or BX Cable (For Replace Non-Metallic (NM) Tubing/Sheathed Cable) | 505.47 | |
| 26 01 20 99-0173 | MLF | Install New Cable Connectors For #12, 2 Wire (For Replace Non-Metallic (NM) Tubing/Sheathed Cable) | 107.80 | |
| 26 01 20 99-0174 | MLF | Install New 4" Outlet Box Square For Romex Or BX (For Replace Non-Metallic (NM) Tubing/Sheathed Cable) | 600.98 | |
| 26 01 20 99-0175 | | **Service Cable** *(26 01 20 99-0159)* | | |
| 26 01 20 99-0176 | | **Replace Service Cable** *(26 01 20 99-0175)* | | |
| 26 01 20 99-0177 | MLF | Shut Off Power, Later Turn On (For Replace Service Cable) | 12.53 | |
| 26 01 20 99-0178 | MLF | Remove And Reinstall Cover Plate (For Replace Service Cable) | 161.64 | |
| 26 01 20 99-0179 | MLF | Remove Junction Box (For Replace Service Cable) | 125.30 | |
| 26 01 20 99-0180 | MLF | Remove #6 XLPE Wire (For Replace Service Cable) | 250.60 | |
| 26 01 20 99-0181 | MLF | Install New 600 Volt, Copper Type XLPE-USE (For Replace Service Cable) | 3,010.78 | |
| 26 01 20 99-0182 | MLF | Install New Staples For Service Cable (For Replace Service Cable) | 635.05 | |
| 26 01 20 99-0183 | MLF | Install New SER Cable Connectors (For Replace Service Cable) | 517.51 | |
| 26 01 20 99-0184 | MLF | Install New 4" Outlet Box Square (For Replace Service Cable) | 536.03 | |
| 26 01 20 99-0185 | | **Cable, Armored** *(26 01 20 99-0159)* | | |
| 26 01 20 99-0186 | | **Replace Armored Cable** *(26 01 20 99-0185)* | | |
| 26 01 20 99-0187 | MLF | Shut Off Power, Later Turn On (For Replace Armored Cable) | 12.53 | |
| 26 01 20 99-0188 | MLF | Remove And Reinstall Cover Plate (For Replace Armored Cable) | 161.64 | |
| 26 01 20 99-0189 | MLF | Remove Junction Box (For Replace Armored Cable) | 125.30 | |
| 26 01 20 99-0190 | MLF | Remove Armored Cable (For Replace Armored Cable) | 1,656.46 | |
| 26 01 20 99-0191 | MLF | Install New #12, 2 Wire, BX (For Replace Armored Cable) | 4,841.80 | |
| 26 01 20 99-0192 | MLF | Install New Staples, For Romex Or BX Cable (For Replace Armored Cable) | 505.47 | |
| 26 01 20 99-0193 | MLF | Install New Cable Connector (For Replace Armored Cable) | 260.96 | |
| 26 01 20 99-0194 | MLF | Install New 4" Outlet Box Square For Romex Or BX (For Replace Armored Cable) | 600.98 | |
| 26 01 20 99-0195 | | **Branch Wiring With Junction Box** *(26 01 20 99-0159)* | | |
| 26 01 20 99-0196 | | **Replace Branch Wiring** *(26 01 20 99-0195)* | | |
| 26 01 20 99-0197 | MLF | Shut Off Power, Later Turn On (For Replace Branch Wiring) | 12.53 | |
| 26 01 20 99-0198 | MLF | Remove And Reinstall Cover Plate (For Replace Branch Wiring) | 161.64 | |
| 26 01 20 99-0199 | MLF | Remove Junction Box (For Replace Branch Wiring) | 125.30 | |
| 26 01 20 99-0200 | MLF | Remove #12 Wire (For Replace Branch Wiring) | 182.31 | |
| 26 01 20 99-0201 | MLF | Install New #12 Copper, Stranded, Conductor (For Replace Branch Wiring) | 1,490.96 | |
| 26 01 20 99-0202 | MLF | Install New 4" Outlet Box Square (For Replace Branch Wiring) | 536.03 | |
| 26 01 20 99-0203 | MLF | Install New Wire Connectors (For Replace Branch Wiring) | 130.43 | |
| 26 01 20 99-0204 | | **600 Volt Branch Wiring** *(26 01 20 99-0159)* | | |
| 26 01 20 99-0205 | | **Replace 600 Volt Branch Wiring** *(26 01 20 99-0204)* | | |
| 26 01 20 99-0206 | MLF | Shut Off Power, Later Turn On (For Replace 600 Volt Branch Wiring) | 12.53 | |
| 26 01 20 99-0207 | MLF | Remove #12 Wire (For Replace 600 Volt Branch Wiring) | 182.31 | |
| 26 01 20 99-0208 | MLF | Install New #12 Copper, Stranded, Conductor (For Replace 600 Volt Branch Wiring) | 1,490.96 | |
| 26 01 20 99-0209 | MLF | Cut, Form And Align 4 Wires (For Replace 600 Volt Branch Wiring) | 51.37 | |
| 26 01 20 99-0210 | MLF | Splice, Solder, Insulate 2 Wires (For Replace 600 Volt Branch Wiring) | 334.17 | |
| 26 01 20 99-0211 | | **Circuit Breaker** *(26 01 20 99-0159)* | | |
| 26 01 20 99-0212 | | **Maintenance And Repair, 480 Volt, 1 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0213 | EA | Tighten Connections (For Maintenance And Repair, 480 Volt, 1 Pole Molded Case Circuit Breaker) | 111.39 | |
| 26 01 20 99-0214 | | **Maintenance And Inspection, 480 Volt, 1 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0215 | EA | Inspect, Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 480 Volt, 1 Pole Molded Case Circuit Breaker) | 50.12 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 01 20 99-0216** | | **Replace 480 Volt, 1 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0217 | EA | Remove Circuit Breaker (For Replace 480 Volt, 1 Pole Molded Case Circuit Breaker) | 43.60 | |
| 26 01 20 99-0218 | EA | Install New 70 To 100 Amp Circuit Breaker (For Replace 480 Volt, 1 Pole Molded Case Circuit Breaker) | 842.96 | |
| 26 01 20 99-0219 | EA | Cut, Form, Align And Connect Wires (For Replace 480 Volt, 1 Pole Molded Case Circuit Breaker) | 18.92 | |
| 26 01 20 99-0220 | EA | Check Operation Of Breaker (For Replace 480 Volt, 1 Pole Molded Case Circuit Breaker) | 2.26 | |
| **26 01 20 99-0221** | | **Maintenance And Repair, 480 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0222 | EA | Tighten Connections (For Maintenance And Repair, 480 Volt, 2 Pole Molded Case Circuit Breaker) | 111.39 | |
| **26 01 20 99-0223** | | **Maintenance And Inspection, 480 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0224 | EA | Inspect, Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 480 Volt, 2 Pole Molded Case Circuit Breaker) | 50.12 | |
| **26 01 20 99-0225** | | **Replace 480 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0226 | EA | Remove Circuit Breaker (For Replace 480 Volt, 2 Pole Molded Case Circuit Breaker) | 62.65 | |
| 26 01 20 99-0227 | EA | Install New 70 To 100 Amp Circuit Breaker (For Replace 480 Volt, 2 Pole Molded Case Circuit Breaker) | 1,183.32 | |
| 26 01 20 99-0228 | EA | Cut, Form, Align And Connect Wires (For Replace 480 Volt, 2 Pole Molded Case Circuit Breaker) | 18.92 | |
| 26 01 20 99-0229 | EA | Check Operation Of Breaker (For Replace 480 Volt, 2 Pole Molded Case Circuit Breaker) | 2.26 | |
| **26 01 20 99-0230** | | **Maintenance And Repair, 480 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0231 | EA | Tighten Connections (For Maintenance And Repair, 480 Volt, 3 Pole Molded Case Circuit Breaker) | 111.39 | |
| **26 01 20 99-0232** | | **Maintenance And Inspection, 480 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0233 | EA | Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 480 Volt, 3 Pole Molded Case Circuit Breaker) | 50.12 | |
| **26 01 20 99-0234** | | **Replace 480 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0235 | EA | Remove Circuit Breaker (For Replace 480 Volt, 3 Pole Molded Case Circuit Breaker) | 62.65 | |
| 26 01 20 99-0236 | EA | Install New 70 To 100 Amp Circuit Breaker (For Replace 480 Volt, 3 Pole Molded Case Circuit Breaker) | 1,479.14 | |
| 26 01 20 99-0237 | EA | Cut, Form, Align And Connect Wires (For Replace 480 Volt, 3 Pole Molded Case Circuit Breaker) | 18.92 | |
| 26 01 20 99-0238 | EA | Check Operation Of Breaker (For Replace 480 Volt, 3 Pole Molded Case Circuit Breaker) | 2.26 | |
| **26 01 20 99-0239** | | **Replace 600 Volt, 2 Pole Molded Case Circuit Breaker Trip Switch** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0240 | EA | Remove Trip Switch (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker Trip Switch) | 62.65 | |
| 26 01 20 99-0241 | EA | Install New Trip Switch (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker Trip Switch) | 400.25 | |
| **26 01 20 99-0242** | | **Maintenance And Inspection, 600 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0243 | EA | Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 600 Volt, 2 Pole Molded Case Circuit Breaker) | 50.12 | |
| **26 01 20 99-0244** | | **Replace 600 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0245 | EA | Remove Circuit Breaker (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker) | 62.65 | |
| 26 01 20 99-0246 | EA | Install New 70 To 100 Amp Circuit Breaker (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker) | 1,226.05 | |
| 26 01 20 99-0247 | EA | Cut, Form, Align And Connect Wires (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker) | 21.30 | |
| 26 01 20 99-0248 | EA | Check Operation Of Breaker (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker) | 2.26 | |
| **26 01 20 99-0249** | | **Replace 600 Volt, 3 Pole Molded Case Circuit Breaker Trip Switch** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0250 | EA | Remove Trip Switch (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker Trip Switch) | 62.65 | |
| 26 01 20 99-0251 | EA | Install New Trip Switch (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker Trip Switch) | 400.25 | |
| **26 01 20 99-0252** | | **Maintenance And Inspection, 600 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0253 | EA | Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 600 Volt, 3 Pole Molded Case Circuit Breaker) | 50.12 | |
| **26 01 20 99-0254** | | **Replace 600 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0255 | EA | Remove Circuit Breaker (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker) | 111.39 | |
| 26 01 20 99-0256 | EA | Install New 125 To 400 Amp Circuit Breaker (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker) | 5,082.89 | |
| 26 01 20 99-0257 | EA | Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker) | 21.30 | |
| 26 01 20 99-0258 | EA | Check Operation Of Breaker (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker) | 2.26 | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 20 99-0259 | | Maintenance And Repair, 240 Volt, 1 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0260 | EA | Tighten Connections (For Maintenance And Repair, 240 Volt, 1 Pole Enclosed Circuit Breaker) | 111.39 | |
| 26 01 20 99-0261 | | Maintenance And Inspection, 240 Volt, 1 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0262 | EA | Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 240 Volt, 1 Pole Enclosed Circuit Breaker) | 50.12 | |
| 26 01 20 99-0263 | | Replace 240 Volt, 1 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0264 | EA | Remove Circuit Breaker (For Replace 240 Volt, 1 Pole Circuit Breaker Enclosed) | 62.65 | |
| 26 01 20 99-0265 | EA | Install New 240 Volt, 1 Pole, 15 To 60 Amp, Circuit Breaker Enclosed (For Replace 240 Volt, 1 Pole Circuit Breaker Enclosed) | 538.31 | |
| 26 01 20 99-0266 | EA | Cut, Form, Align And Connect Wires (For Replace 240 Volt, 1 Pole Circuit Breaker Enclosed) | 18.92 | |
| 26 01 20 99-0267 | EA | Check Operation Of Breaker (For Replace 240 Volt, 1 Pole Circuit Breaker Enclosed) | 2.26 | |
| 26 01 20 99-0268 | | Maintenance And Repair, 240 Volt, 2 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0269 | EA | Tighten Connections (For Maintenance And Repair, 240 Volt, 2 Pole Circuit Breaker Enclosed) | 111.39 | |
| 26 01 20 99-0270 | | Maintenance And Inspection, 240 Volt, 2 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0271 | EA | Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 240 Volt, 2 Pole Circuit Breaker Enclosed) | 50.12 | |
| 26 01 20 99-0272 | | Replace 240 Volt, 2 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0273 | EA | Remove Circuit Breaker (For Replace 240 Volt, 2 Pole Circuit Breaker Enclosed) | 62.65 | |
| 26 01 20 99-0274 | EA | Install New Circuit Breaker Enclosed, 240 Volt, 15 To 60 Amp, 2 Pole (For Replace 240 Volt, 2 Pole Circuit Breaker Enclosed) | 896.43 | |
| 26 01 20 99-0275 | EA | Cut, Form, Align And Connect Wires (For Replace 240 Volt, 2 Pole Circuit Breaker Enclosed) | 18.92 | |
| 26 01 20 99-0276 | EA | Check Operation Of Breaker (For Replace 240 Volt, 2 Pole Circuit Breaker Enclosed) | 2.26 | |
| 26 01 20 99-0277 | | Maintenance And Repair, 240 Volt, 3 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0278 | EA | Tighten Connections (For Maintenance And Repair, 240 Volt, 3 Pole Circuit Breaker Enclosed) | 111.39 | |
| 26 01 20 99-0279 | | Maintenance And Inspection, 240 Volt, 3 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0280 | EA | Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 240 Volt, 3 Pole Circuit Breaker Enclosed) | 50.12 | |
| 26 01 20 99-0281 | | Replace 240 Volt, 3 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0282 | EA | Remove Circuit Breaker (For Replace 240 Volt, 3 Pole Circuit Breaker Enclosed) | 62.65 | |
| 26 01 20 99-0283 | EA | Install New Circuit Breaker Enclosed, 240 Volt, 15 To 60 Amp, 3 Pole (For Replace 240 Volt, 3 Pole Circuit Breaker Enclosed) | 954.23 | |
| 26 01 20 99-0284 | EA | Cut, Form, Align And Connect Wires (For Replace 240 Volt, 3 Pole Circuit Breaker Enclosed) | 18.92 | |
| 26 01 20 99-0285 | EA | Check Operation Of Breaker (For Replace 240 Volt, 3 Pole Circuit Breaker Enclosed) | 2.26 | |
| 26 01 20 99-0286 | | Repair Failed 600 Volt, 2 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0287 | EA | Repair Circuit Breaker Component (For Repair Failed 600 Volt, 2 Pole Circuit Breaker Enclosed) | 865.82 | |
| 26 01 20 99-0288 | | Maintenance And Inspection, 600 Volt, 2 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0289 | EA | Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 600 Volt, 2 Pole Circuit Breaker Enclosed) | 50.12 | |
| 26 01 20 99-0290 | | Replace 600 Volt, 2 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0291 | EA | Remove Circuit Breaker, 600 Volt, 100 Amp, 2 Pole (For Replace 600 Volt, 2 Pole Circuit Breaker Enclosed) | 100.24 | |
| 26 01 20 99-0292 | EA | Install New Circuit Breaker Enclosed, 600 Volt, 100 Amp, 2 Pole (For Replace 600 Volt, 2 Pole Circuit Breaker Enclosed) | 1,426.53 | |
| 26 01 20 99-0293 | EA | Cut, Form, Align And Connect Wires (For Replace 600 Volt, 2 Pole Circuit Breaker Enclosed) | 21.30 | |
| 26 01 20 99-0294 | EA | Check Operation Of Breaker (For Replace 600 Volt, 2 Pole Circuit Breaker Enclosed) | 2.26 | |
| 26 01 20 99-0295 | | Repair Failed 600 Volt, 3 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0296 | EA | Repair Circuit Breaker Component (For Replace 600 Volt, 3 Pole Circuit Breaker Enclosed) | 1,241.12 | |
| 26 01 20 99-0297 | | Maintenance And Inspection, 600 Volt, 3 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)* | | |
| 26 01 20 99-0298 | EA | Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 600 Volt, 3 Pole Circuit Breaker Enclosed) | 50.12 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 01 20 99-0299** | | **Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0300 | EA | Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed) | 111.39 | |
| 26 01 20 99-0301 | EA | Install New Circuit Breaker Enclosed, 600 Volt, 100 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed) | 1,130.19 | |
| 26 01 20 99-0302 | EA | Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed) | 21.30 | |
| 26 01 20 99-0303 | EA | Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed) | 2.26 | |
| **26 01 20 99-0304** | | **Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0305 | EA | Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed) | 556.83 | |
| 26 01 20 99-0306 | EA | Install New Circuit Breaker Enclosed, 600 Volt, 800 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed) | 11,426.93 | |
| 26 01 20 99-0307 | EA | Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed) | 42.60 | |
| 26 01 20 99-0308 | EA | Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed) | 4.64 | |
| **26 01 20 99-0309** | | **Replace 600 Volt, 3 Pole 1000 Amp Circuit Breaker Enclosed** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0310 | EA | Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 1,000 Amp Circuit Breaker Enclosed) | 646.67 | |
| 26 01 20 99-0311 | EA | Install New Circuit Breaker Enclosed, 600 Volt, 1,000 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 1,000 Amp Circuit Breaker Enclosed) | 20,227.31 | |
| 26 01 20 99-0312 | EA | Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 1,000 Amp Circuit Breaker Enclosed) | 64.65 | |
| 26 01 20 99-0313 | EA | Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 1,000 Amp Circuit Breaker Enclosed) | 6.89 | |
| **26 01 20 99-0314** | | **Replace 600 Volt, 3 Pole 1600 Amp Circuit Breaker Enclosed** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0315 | EA | Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 1,600 Amp Circuit Breaker Enclosed) | 715.96 | |
| 26 01 20 99-0316 | EA | Install New Circuit Breaker Enclosed, 600 Volt, 1,600 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 1,600 Amp Circuit Breaker Enclosed) | 23,723.09 | |
| 26 01 20 99-0317 | EA | Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 1,600 Amp Circuit Breaker Enclosed) | 85.33 | |
| 26 01 20 99-0318 | EA | Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 1,600 Amp Circuit Breaker Enclosed) | 9.15 | |
| **26 01 20 99-0319** | | **Replace 600 Volt, 3 Pole 2000 Amp Circuit Breaker Enclosed** *(26 01 20 99-0211)* | | |
| 26 01 20 99-0320 | EA | Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 2,000 Amp Circuit Breaker Enclosed) | 801.92 | |
| 26 01 20 99-0321 | EA | Install New Circuit Breaker Enclosed, 600 Volt, 2,000 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 2,000 Amp Circuit Breaker Enclosed) | 29,946.82 | |
| 26 01 20 99-0322 | EA | Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 2,000 Amp Circuit Breaker Enclosed) | 177.67 | |
| 26 01 20 99-0323 | EA | Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 2,000 Amp Circuit Breaker Enclosed) | 19.17 | |
| **26 01 20 99-0324** | | **Safety Switch, Heavy-Duty** *(26 01 20 99-0159)* | | |
| **26 01 20 99-0325** | | **Maintenance And Repair, 3 Pole Heavy-Duty Safety Switch** *(26 01 20 99-0324)* | | |
| 26 01 20 99-0326 | EA | Resecure Lugs (For Maintenance And Repair, 3 Pole Heavy-Duty Safety Switch) | 62.65 | |
| **26 01 20 99-0327** | | **Maintenance And Inspection, 3 Pole Safety Switch** *(26 01 20 99-0324)* | | |
| 26 01 20 99-0328 | EA | Inspect And Clean Safety Switch (For Maintenance And Inspection, 3 Pole Safety Switch) | 62.65 | |
| **26 01 20 99-0329** | | **Replace 30 Amp Heavy-Duty Safety Switch** *(26 01 20 99-0324)* | | |
| 26 01 20 99-0330 | EA | Remove Safety Switch (For Replace 30 Amp Heavy-Duty Safety Switch) | 81.44 | |
| 26 01 20 99-0331 | EA | Install New Fused Safety Switch, Heavy-Duty, 600 Volt, 3 Pole, 30 Amp (For Replace 30 Amp Heavy Duty Safety Switch) | 558.96 | |
| 26 01 20 99-0332 | EA | Install New Fuses (For Replace 30 Amp Heavy-Duty Safety Switch) | 214.59 | |
| 26 01 20 99-0333 | EA | Check Operation Of Switch (For Replace 30 Amp Heavy-Duty Safety Switch) | 2.26 | |
| **26 01 20 99-0334** | | **Replace 100 Amp Heavy-Duty Safety Switch** *(26 01 20 99-0324)* | | |
| 26 01 20 99-0335 | EA | Remove Safety Switch (For Replace 100 Amp Heavy-Duty Safety Switch) | 137.33 | |
| 26 01 20 99-0336 | EA | Install New Fused Safety Switch, Heavy-Duty, 600 Volt, 3 Pole, 100 Amp (For Replace 100 Amp Heavy Duty Safety Switch) | 1,008.38 | |
| 26 01 20 99-0337 | EA | Install New Fuses (For Replace 100 Amp Heavy-Duty Safety Switch) | 360.79 | |
| 26 01 20 99-0338 | EA | Check Operation Of Switch (For Replace 100 Amp Heavy-Duty Safety Switch) | 2.26 | |
| **26 01 20 99-0339** | | **Replace 200 Amp Heavy-Duty Safety Switch** *(26 01 20 99-0324)* | | |
| 26 01 20 99-0340 | EA | Remove Safety Switch (For Replace 200 Amp Heavy-Duty Safety Switch) | 200.48 | |
| 26 01 20 99-0341 | EA | Install New Fused Safety Switch, Heavy-Duty, 600 Volt, 3 Pole, 200 Amp (For Replace 200 Amp Heavy Duty Safety Switch) | 1,540.27 | |
| 26 01 20 99-0342 | EA | Install New Fuses (For Replace 200 Amp Heavy-Duty Safety Switch) | 638.66 | |
| 26 01 20 99-0343 | EA | Check Operation Of Switch (For Replace 200 Amp Heavy-Duty Safety Switch) | 2.26 | |
| **26 01 20 99-0344** | | **Replace 400 Amp Heavy-Duty Safety Switch** *(26 01 20 99-0324)* | | |
| 26 01 20 99-0345 | EA | Remove Safety Switch (For Replace 400 Amp Heavy-Duty Safety Switch) | 294.83 | |
| 26 01 20 99-0346 | EA | Install New Fused Safety Switch, Heavy-Duty, 600 Volt, 3 Pole, 400 Amp (For Replace 400 Amp Heavy Duty Safety Switch) | 2,876.49 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 20 99-0347 | EA | Install New Fuses (For Replace 400 Amp Heavy-Duty Safety Switch) | 1,311.11 | |
| 26 01 20 99-0348 | EA | Check Operation Of Switch (For Replace 400 Amp Heavy-Duty Safety Switch) | 4.64 | |
| **26 01 20 99-0349** | | **Replace 600 Amp Heavy-Duty Safety Switch** *(26 01 20 99-0324)* | | |
| 26 01 20 99-0350 | EA | Remove Safety Switch (For Replace 600 Amp Heavy-Duty Safety Switch) | 435.79 | |
| 26 01 20 99-0351 | EA | Install New Fused Safety Switch, Heavy-Duty, 600 Volt, 3 Pole, 600 Amp (For Replace 600 Amp Heavy Duty Safety Switch) | 5,196.01 | |
| 26 01 20 99-0352 | EA | Install New Fuses (For Replace 600 Amp Heavy-Duty Safety Switch) | 1,640.64 | |
| 26 01 20 99-0353 | EA | Check Operation Of Switch (For Replace 600 Amp Heavy-Duty Safety Switch) | 4.64 | |
| **26 01 20 99-0354** | | **Safety Switch, General Duty** *(26 01 20 99-0159)* | | |
| **26 01 20 99-0355** | | **Maintenance And Repair, 2 Pole General Safety Switch** *(26 01 20 99-0354)* | | |
| 26 01 20 99-0356 | EA | Resecure Lugs (For Maintenance And Repair, 2 Pole General Safety Switch) | 62.65 | |
| **26 01 20 99-0357** | | **Maintenance And Inspection, 2 Pole Safety Switch** *(26 01 20 99-0354)* | | |
| 26 01 20 99-0358 | EA | Inspect And Clean Safety Switch (For Maintenance And Inspection, 2 Pole Safety Switch) | 62.65 | |
| **26 01 20 99-0359** | | **Replace 240 Volt, 2 Pole Safety Switch** *(26 01 20 99-0354)* | | |
| 26 01 20 99-0360 | EA | Remove Safety Switch (For Replace 240 Volt, 2 Pole Safety Switch) | 81.44 | |
| 26 01 20 99-0361 | EA | Install New Fused Safety Switch, General Duty, 240 Volt, 2 Pole, 30 Amp (For Replace 240 Volt, 2 Pole Safety Switch) | 400.23 | |
| 26 01 20 99-0362 | EA | Install New Fuse, Dual Element, Time Delay, 250 Volt, 30 Amp (For Replace 240 Volt, 2 Pole Safety Switch) | 67.77 | |
| 26 01 20 99-0363 | EA | Cut, Form, Align And Connect Wires (For Replace 240 Volt, 2 Pole Safety Switch) | 18.92 | |
| 26 01 20 99-0364 | EA | Check Operation Of Switch (For Replace 240 Volt, 2 Pole Safety Switch) | 2.26 | |
| **26 01 20 99-0365** | | **Maintenance And Repair, 3 Pole General Safety Switch** *(26 01 20 99-0354)* | | |
| 26 01 20 99-0366 | EA | Resecure Lugs (For Maintenance And Repair, 3 Pole General Safety Switch) | 62.65 | |
| **26 01 20 99-0367** | | **Maintenance And Inspection, 3 Pole Safety Switch** *(26 01 20 99-0354)* | | |
| 26 01 20 99-0368 | EA | Inspect And Clean Safety Switch (For Maintenance And Inspection, 3 Pole Safety Switch) | 62.65 | |
| **26 01 20 99-0369** | | **Replace 240 Volt, 3 Pole Safety Switch** *(26 01 20 99-0354)* | | |
| 26 01 20 99-0370 | EA | Remove Safety Switch (For Replace 240 Volt, 3 Pole Safety Switch) | 81.44 | |
| 26 01 20 99-0371 | EA | Install New Fused Safety Switch, General Duty, 240 Volt, 3 Pole, 30 Amp (For Replace 240 Volt, 3 Pole Safety Switch) | 461.74 | |
| 26 01 20 99-0372 | EA | Install New Fuse, Dual Element, Time Delay, 250 Volt, 30 Amp (For Replace 240 Volt, 3 Pole Safety Switch) | 101.64 | |
| 26 01 20 99-0373 | EA | Cut, Form, Align And Connect Wires (For Replace 240 Volt, 3 Pole Safety Switch) | 18.92 | |
| 26 01 20 99-0374 | EA | Check Operation Of Switch (For Replace 240 Volt, 3 Pole Safety Switch) | 2.26 | |
| **26 01 20 99-0375** | | **Replace Low Voltage Cartridge** *(26 01 20 99-0354)* | | |
| 26 01 20 99-0376 | EA | Remove Cartridge Fuse Cutouts (For Replace Low Voltage Cartridge) | 12.53 | |
| 26 01 20 99-0377 | EA | Install New Cartridge Fuse Cutouts 3 Pole (For Replace Low Voltage Cartridge) | 62.14 | |
| **26 01 20 99-0378** | | **Replace Plug Fuse** *(26 01 20 99-0354)* | | |
| 26 01 20 99-0379 | EA | Remove Plug Fuse (For Replace Plug Fuse) | 10.02 | |
| 26 01 20 99-0380 | EA | Install New Plug Fuse, 120 Volt, 15 To 30 Amp (For Replace Plug Fuse) | 25.44 | |
| **26 01 20 99-0381** | | **Receptacles And Plugs** *(26 01 20 99-0159)* | | |
| **26 01 20 99-0382** | | **Maintenance And Repair, Receptacles And Plugs** *(26 01 20 99-0381)* | | |
| 26 01 20 99-0383 | EA | Repair Receptacle Component (Cover) (For Maintenance And Repair, Receptacles And Plugs) | 64.43 | |
| **26 01 20 99-0384** | | **Replace Receptacle/Plug, Receptacles And Plugs** *(26 01 20 99-0381)* | | |
| 26 01 20 99-0385 | EA | Turn Power Off, Later Turn On (For Replace Receptacle/Plug, Receptacles And Plugs) | 12.53 | |
| 26 01 20 99-0386 | EA | Remove And Reinstall Cover Plates (For Replace Receptacle/Plug, Receptacles And Plugs) | 21.30 | |
| 26 01 20 99-0387 | EA | Remove Receptacle (For Replace Receptacle/Plug, Receptacles And Plugs) | 5.01 | |
| 26 01 20 99-0388 | EA | Install New Receptacle (For Replace Receptacle/Plug, Receptacles And Plugs) | 61.54 | |
| 26 01 20 99-0389 | EA | Cut, Form, Align And Connect Wires (For Replace Receptacle/Plug, Receptacles And Plugs) | 3.26 | |
| 26 01 20 99-0390 | EA | Test For Operation, Receptacle (For Replace Receptacle/Plug, Receptacles And Plugs) | 1.88 | |
| **26 01 20 99-0391** | | **4-Pin Receptacle** *(26 01 20 99-0159)* | | |
| **26 01 20 99-0392** | | **Repair 4-Pin Receptacle Cover** *(26 01 20 99-0391)* | | |
| 26 01 20 99-0393 | EA | Repair Receptacle(Cover) (For Repair 4-Pin Receptacle Cover) | 85.98 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 01 20 99-0394** | | **Replace 4-Pin Receptacle** *(26 01 20 99-0391)* | | |
| 26 01 20 99-0395 | EA | Remove 4-Pin Receptacle (For Replace 4-Pin Receptacle) | 25.06 | |
| 26 01 20 99-0396 | EA | Install New 4-Pin Locking Receptacle (For Replace 4-Pin Receptacle) | 167.33 | |
| **26 01 20 99-0397** | | **Contactors And Relays** *(26 01 20 99-0159)* | | |
| **26 01 20 99-0398** | | **Maintenance And Repair, Contactors And Relays** *(26 01 20 99-0397)* | | |
| 26 01 20 99-0399 | EA | Remove Contactor Coil (For Maintenance And Repair, Contactors And Relays) | 75.43 | |
| 26 01 20 99-0400 | EA | Install New Contactor Coil (For Maintenance And Repair, Contactors And Relays) | 293.33 | |
| **26 01 20 99-0401** | | **Maintenance And Inspection, Contactors And Relays** *(26 01 20 99-0397)* | | |
| 26 01 20 99-0402 | EA | Inspect And Clean Contacts (For Maintenance And Inspection, Contactors And Relays) | 31.32 | |
| **26 01 20 99-0403** | | **Replace Contactor, Contactors And Relays** *(26 01 20 99-0397)* | | |
| 26 01 20 99-0404 | EA | Remove Magnetic Contactor (For Replace Contactor, Contactors And Relays) | 100.24 | |
| 26 01 20 99-0405 | EA | Install New Magnetic Contactor 600 Volt, 3 P, 25 HP (For Replace Contactor, Contactors And Relays) | 1,007.20 | |
| 26 01 20 99-0406 | EA | Cut, Form, Align And Connect Wires (For Replace Contactor, Contactors And Relays) | 18.92 | |
| 26 01 20 99-0407 | EA | Check Operation Of Contactor (For Replace Contactor, Contactors And Relays) | 2.26 | |
| **26 01 20 99-0408** | | **Wiring Devices, Switches** *(26 01 20 99-0159)* | | |
| **26 01 20 99-0409** | | **Maintenance And Repair, Wiring Devices, Switches** *(26 01 20 99-0408)* | | |
| 26 01 20 99-0410 | EA | Repair Switch Component (Cover) (For Maintenance And Repair, Wiring Devices, Switches) | 64.43 | |
| **26 01 20 99-0411** | | **Replace Switch, Wiring Devices, Switches** *(26 01 20 99-0408)* | | |
| 26 01 20 99-0412 | EA | Turn Power Off, Later Turn On (For Replace Switch, Wiring Devices, Switches) | 12.53 | |
| 26 01 20 99-0413 | EA | Remove And Reinstall Cover Plates (For Replace Switch, Wiring Devices, Switches) | 21.30 | |
| 26 01 20 99-0414 | EA | Remove Switch (For Replace Switch, Wiring Devices, Switches) | 5.01 | |
| 26 01 20 99-0415 | EA | Install New Switch (For Replace Switch, Wiring Devices, Switches) | 52.71 | |
| 26 01 20 99-0416 | EA | Cut, Form, Align And Connect Wires (For Replace Switch, Wiring Devices, Switches) | 3.26 | |
| 26 01 20 99-0417 | EA | Test For Operation (For Replace Switch, Wiring Devices, Switches) | 1.88 | |
| **26 01 20 99-0418** | | **Light Dimming Panel** *(26 01 20 99-0159)* | | |
| **26 01 20 99-0419** | | **Minor Repairs To Light Dimming Panel** *(26 01 20 99-0418)* | | |
| 26 01 20 99-0420 | EA | Check And Test Components (For Minor Repairs To Light Dimming Panel) | 50.12 | |
| 26 01 20 99-0421 | EA | Remove Dimming Panel Component (For Minor Repairs To Light Dimming Panel) | 27.82 | |
| 26 01 20 99-0422 | EA | Install New Dimming Panel Component (For Minor Repairs To Light Dimming Panel) | 183.99 | |
| **26 01 20 99-0423** | | **Maintenance And Inspection, Light Dimming Panel** *(26 01 20 99-0418)* | | |
| 26 01 20 99-0424 | EA | Check Light Dimming Panel (For Maintenance And Inspection, Light Dimming Panel) | 66.78 | |
| **26 01 20 99-0425** | | **Replace Light Dimming Panel** *(26 01 20 99-0418)* | | |
| 26 01 20 99-0426 | EA | Turn Power Off, Later Turn On (For Replace Light Dimming Panel) | 12.53 | |
| 26 01 20 99-0427 | EA | Remove Dimming Panel (For Replace Light Dimming Panel) | 200.48 | |
| 26 01 20 99-0428 | EA | Install New Dimming Panel (For Replace Light Dimming Panel) | 2,049.33 | |
| 26 01 20 99-0429 | EA | Test Circuits (For Replace Light Dimming Panel) | 9.15 | |
| **26 01 20 99-0430** | | **Switch, Pull Cord** *(26 01 20 99-0159)* | | |
| **26 01 20 99-0431** | | **Maintenance And Repair, Switch, Pull Cord** *(26 01 20 99-0430)* | | |
| 26 01 20 99-0432 | EA | Repair Switch Component (Cover) (For Maintenance And Repair, Switch, Pull Cord) | 64.61 | |
| **26 01 20 99-0433** | | **Replace Switch, Switch, Pull Cord** *(26 01 20 99-0430)* | | |
| 26 01 20 99-0434 | EA | Turn Power Off, Later Turn On (For Replace Switch, Switch, Pull Cord) | 12.53 | |
| 26 01 20 99-0435 | EA | Remove And Reinstall Cover Plates (For Replace Switch, Switch, Pull Cord) | 21.30 | |
| 26 01 20 99-0436 | EA | Remove Switch (For Replace Switch, Switch, Pull Cord) | 5.01 | |
| 26 01 20 99-0437 | EA | Install New Pull Cord Switch (For Replace Switch, Switch, Pull Cord) | 61.60 | |
| 26 01 20 99-0438 | EA | Cut, Form, Align And Connect Wires (For Replace Switch, Switch, Pull Cord) | 3.26 | |
| 26 01 20 99-0439 | EA | Test For Operation (For Replace Switch, Switch, Pull Cord) | 1.88 | |
| **26 01 20 99-0440** | | **EMT Conduit** *(26 01 20 99-0159)* | | |
| **26 01 20 99-0441** | | **Replace 1" EMT Conduit** *(26 01 20 99-0440)* | | |
| 26 01 20 99-0442 | MLF | Remove And Reinstall Cover Plate (For Replace 1" EMT Conduit) | 161.64 | |
| 26 01 20 99-0443 | MLF | Remove Conduit With Fittings And Hangers (For Replace 1" EMT Conduit) | 2,543.58 | |
| 26 01 20 99-0444 | MLF | Remove Junction Box (For Replace 1" EMT Conduit) | 125.30 | |
| 26 01 20 99-0445 | MLF | Install New 1" EMT With Couplings (For Replace 1" EMT Conduit) | 7,807.58 | |
| 26 01 20 99-0446 | MLF | Install New Outlet Box Square (For Replace 1" EMT Conduit) | 536.03 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 20 99-0447 | MLF | Install New Box Connector (For Replace 1" EMT Conduit) | 152.95 | |
| 26 01 20 99-0448 | MLF | Install New Beam Clamp (For Replace 1" EMT Conduit) | 1,285.64 | |
| 26 01 20 99-0449 | MLF | Install New Conduit Hanger (For Replace 1" EMT Conduit) | 2,087.51 | |

### 26 01 20 99-0450 Electrical Service & Distribution Preventative Maintenance *(26 01 20 99)*

Note: Includes all required small tools and equipment.

### 26 01 20 99-0451 Electrical Switchboard Preventative Maintenance *(26 01 20 99-0450)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 99-0452 | EA | Annual Preventative Maintenance For Electrical Switchboard<br>Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Indicating Lamps For Proper Operation, If Appropriate; Replace Burned Out Lamps. 3. Remove And Reinstall Cover. 4. Check For Discolorations, Hot Spots, Odors And Charred Insulation. 5. Clean Switchboard Exterior And Surrounding Area. 6. Fill Out Maintenance Checklist And Report Deficiencies. | 92.09 | |

### 26 01 20 99-0453 Switchboard With Air Circuit Breaker Preventative Maintenance *(26 01 20 99-0450)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 99-0454 | EA | Annual Preventative Maintenance For Switchboard With Air Circuit Breaker<br>Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Indicating Lamps For Proper Operation, If Appropriate; Replace Burned Out Lamps. 3. Remove Switchboard From Service, Coordinate With Appropriate Authority. 4. Remove And Reinstall Cover. 5. Check For Discolorations, Hot Spots, Odors And Charred Insulation. 6. Check The Records On The Circuit Breaker For Any Full Current Rated Trips Which May Indicate A Potential Problem. 7. Examine The Exterior Of The Switchboard For Any Damage Or Moisture. 8. Check Operation Of Circuit Breaker Tripping Mechanism And Relays. 9. Check The Operation Of The Circuit Breaker Charging Motor. 10. Check Hardware For Tightness. 11. Check Interlock For Proper Operation. 12. Check That The Charger Is Operating Properly. 13. Check For Any Signs Of Corrosion On The Battery Terminals Or Wires. 14. Check The Electrolyte Level In The Batteries; Add As Required. 15. Check The Specific Gravity Of The Electrolyte In A 10% Sample Of The Batteries. 16. Check 25% Of Terminal-To-Cell Connection Resistance; Rehabilitate Connections As Required. 17. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 18. Measure And Record Individual Cell And String Float Voltages. 19. Place Switchboard Back In Service, Notify Appropriate Authority. 20. Clean Switchboard, Charger And The Surrounding Area. 21. Fill Out Maintenance Checklist And Report Deficiencies. | 588.14 | |

### 26 01 20 99-0455 Switchboard With Air Circuit Breaker And Tie Switch Preventative Maintenance *(26 01 20 99-0450)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 99-0456 | EA | Annual Preventative Maintenance For Switchboard With Air Circuit Breaker And Tie Switch<br>Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Indicating Lamps For Proper Operation, If Appropriate; Replace Burned Out Lamps. 3. Remove Switchboard From Service, Coordinate With Appropriate Authority. 4. Remove And Reinstall Cover. 5. Check For Discolorations, Hot Spots, Odors And Charred Insulation. 6. Check The Records On The Circuit Breaker For Any Full Current Rated Trips Which May Indicate A Potential Problem. 7. Examine The Exterior Of The Switchboard For Any Damage Or Moisture. 8. Check Operation Of Circuit Breaker Tripping Mechanism And Relays. 9. Check The Operation Of The Circuit Breaker Charging Motor. 10. Check Hardware For Tightness. 11. Check Interlock For Proper Operation. 12. Operate The Switching Handle And Check The Locking Mechanism. 13. Check That The Charger Is Operating Properly. 14. Check For Any Signs Of Corrosion On The Battery Terminals Or Wires. 15. Check The Electrolyte Level In The Batteries; Add As Required. 16. Check The Specific Gravity Of The Electrolyte In A 10% Sample Of The Batteries. 17. Check 25% Of Terminal-To-Cell Connection Resistance; Rehabilitate Connections As Required. 18. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 19. Measure And Record Individual Cell And String Float Voltages. 20. Place Switchboard Back In Service, Notify Appropriate Authority. 21. Clean Switchboard, Charger And The Surrounding Area. 22. Fill Out Maintenance Checklist And Report Deficiencies. | 597.40 | |

### 26 01 20 99-0457 225 Amps And Above, Panel Board Preventative Maintenance *(26 01 20 99-0450)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 99-0458 | EA | Annual Preventative Maintenance For 225 Amperes And Above, Panel Board<br>Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check For Excessive Heat, Odors, Noise And Vibration. 3. Check General Condition Of Panel; Replace Lamps As Required. 4. Clean Panel. 5. Fill Out Maintenance Checklist And Report Deficiencies. | 83.23 | |

### 26 01 20 99-0459 400 Amps And Above, Motor Control Center Preventative Maintenance *(26 01 20 99-0450)*

| | | | | |
|---|---|---|---|---|
| 26 01 20 99-0460 | EA | Annual Preventative Maintenance For 400 Amps And Above, Motor Control Center<br>Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Starter Lights; Install New Lights If Required. 3. Check For Excessive Heat, Odors, Noise And Vibration. 4. Check Motor Control Center Exterior And Surrounding Area. 5. Fill Out Maintenance Checklist And Report Deficiencies. | 82.84 | |

## 26 01 26 Maintenance Testing of Electrical Systems *(26 01)*

### 26 01 26 00-0001 TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers *(26 01 26)*

Note: Includes all required small tools and equipment. Use other MRO tasks required to remove equipment cover.

### 26 01 26 00-0002 TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers, Not Connected *(26 01 26 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 01 26 00-0003 | EA | TTR Or Megger Maintenance Testing Of Up To 15 KVA, Single Phase Transformer, Not Connected | 31.52 | |
| 26 01 26 00-0004 | EA | TTR Or Megger Maintenance Testing Of >15 To 50 KVA, Single Phase Transformer, Not Connected | 52.53 | |
| 26 01 26 00-0005 | EA | TTR Or Megger Maintenance Testing Of 75 KVA, Single Phase Transformer, Not Connected | 73.54 | |
| 26 01 26 00-0006 | EA | TTR Or Megger Maintenance Testing Of 100 KVA, Single Phase Transformer, Not Connected | 94.55 | |
| 26 01 26 00-0007 | EA | TTR Or Megger Maintenance Testing Of 150 KVA, Single Phase Transformer, Not Connected | 115.57 | |
| 26 01 26 00-0008 | EA | TTR Or Megger Maintenance Testing Of 167 KVA, Single Phase Transformer, Not Connected | 136.57 | |
| 26 01 26 00-0009 | EA | TTR Or Megger Maintenance Testing Of 200 KVA, Single Phase Transformer, Not Connected | 147.08 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 26 00-0010 | EA | TTR Or Megger Maintenance Testing Of 250 KVA, Single Phase Transformer, Not Connected | 157.58 | |
| 26 01 26 00-0011 | EA | TTR Or Megger Maintenance Testing Of Up To 15 KVA, Three Phase Transformer, Not Connected | 52.53 | |
| 26 01 26 00-0012 | EA | TTR Or Megger Maintenance Testing Of >15 To 45 KVA, Three Phase Transformer, Not Connected | 73.54 | |
| 26 01 26 00-0013 | EA | TTR Or Megger Maintenance Testing Of 75 KVA, Three Phase Transformer, Not Connected | 94.55 | |
| 26 01 26 00-0014 | EA | TTR Or Megger Maintenance Testing Of 112.5 KVA, Three Phase Transformer, Not Connected | 105.05 | |
| 26 01 26 00-0015 | EA | TTR Or Megger Maintenance Testing Of 150 KVA, Three Phase Transformer, Not Connected | 147.08 | |
| 26 01 26 00-0016 | EA | TTR Or Megger Maintenance Testing Of 225 KVA, Three Phase Transformer, Not Connected | 168.09 | |
| 26 01 26 00-0017 | EA | TTR Or Megger Testing Of 300 KVA, Three Phase Transformer, Not Connected | 189.10 | |

### 26 01 26 00-0018 TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers, Connected *(26 01 26 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 01 26 00-0019 | EA | TTR Or Megger Maintenance Testing Of Up To 15 KVA, Single Phase Transformer, Connected | 52.53 | |
| 26 01 26 00-0020 | EA | TTR Or Megger Maintenance Testing Of >15 To 50 KVA, Single Phase Transformer, Connected | 73.54 | |
| 26 01 26 00-0021 | EA | TTR Or Megger Maintenance Testing Of 75 KVA, Single Phase Transformer, Connected | 84.05 | |
| 26 01 26 00-0022 | EA | TTR Or Megger Maintenance Testing Of 100 KVA, Single Phase Transformer, Connected | 105.05 | |
| 26 01 26 00-0023 | EA | TTR Or Megger Maintenance Testing Of 150 KVA, Single Phase Transformer, Connected | 147.08 | |
| 26 01 26 00-0024 | EA | TTR Or Megger Maintenance Testing Of 167 KVA, Single Phase Transformer, Connected | 178.60 | |
| 26 01 26 00-0025 | EA | TTR Or Megger Maintenance Testing Of 200 KVA, Single Phase Transformer, Connected | 189.10 | |
| 26 01 26 00-0026 | EA | TTR Or Megger Maintenance Testing Of 250 KVA, Single Phase Transformer, Connected | 199.60 | |
| 26 01 26 00-0027 | EA | TTR Or Megger Maintenance Testing Of Up To 15 KVA, Three Phase Transformer, Connected | 73.54 | |
| 26 01 26 00-0028 | EA | TTR Or Megger Maintenance Testing Of >15 To 45 KVA, Three Phase Transformer, Connected | 94.55 | |
| 26 01 26 00-0029 | EA | TTR Or Megger Maintenance Testing Of 75 KVA, Three Phase Transformer, Connected | 126.07 | |
| 26 01 26 00-0030 | EA | TTR Or Megger Maintenance Testing Of 112.5 KVA, Three Phase Transformer, Connected | 168.09 | |
| 26 01 26 00-0031 | EA | TTR Or Megger Maintenance Testing Of 150 KVA, Three Phase Transformer, Connected | 189.10 | |
| 26 01 26 00-0032 | EA | TTR Or Megger Maintenance Testing Of 225 KVA, Three Phase Transformer, Connected | 220.62 | |
| 26 01 26 00-0033 | EA | TTR Or Megger Testing Of 300 KVA, Three Phase Transformer, Connected | 283.65 | |

## 26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment *(26 01)*

### 26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration *(26 01 30)*

#### 26 01 30 91-0001 Cleaning Photovoltaic Collectors *(26 01 30 91)*

Note: Includes pressure washer with filtered water (owner supplied from hose faucet).

| | | | |
|---|---|---|---|
| 26 01 30 91-0002 | SF | Rinse Photovoltaic Collectors<br>Note: Rinse solar panels with clean (filtered) water using hose | 0.20 |
| | | *For Up To 100, Add* | *0.15* |
| | | *For >100 To 250, Add* | *0.07* |
| | | *For >250 To 500, Add* | *0.03* |
| | | *For >5,000 To 10,000, Deduct* | *-0.01* |
| | | *For >10,000 To 15,000, Deduct* | *-0.02* |
| | | *For >15,000 To 30,000, Deduct* | *-0.03* |
| | | *For >30,000, Deduct* | *-0.04* |
| 26 01 30 91-0003 | SF | Cleaning And Washing Photovoltaic Collectors With Brush, Ground Level Or On Flat Roof<br>Note: Includes pre-rinse solar panels with clean water, soft scrubber with soapy water, and final rinse with clean water. | 0.33 |
| | | *For Up To 100, Add* | *0.25* |
| | | *For >100 To 250, Add* | *0.12* |
| | | *For >250 To 500, Add* | *0.05* |
| | | *For >5,000 To 10,000, Deduct* | *-0.02* |
| | | *For >10,000 To 15,000, Deduct* | *-0.03* |
| | | *For >15,000 To 30,000, Deduct* | *-0.05* |
| | | *For >30,000, Deduct* | *-0.07* |
| 26 01 30 91-0004 | SF | Cleaning And Washing Photovoltaic Collectors With Telescoping Pole Brush, Pitched Roof<br>Note: Includes pre-rinse solar panels with clean water, soft scrubber with soapy water, and final rinse with clean water. | 0.61 |
| | | *For Up To 100, Add* | *0.46* |
| | | *For >100 To 250, Add* | *0.21* |
| | | *For >250 To 500, Add* | *0.09* |
| | | *For >5,000 To 10,000, Deduct* | *-0.03* |
| | | *For >10,000 To 15,000, Deduct* | *-0.06* |
| | | *For >15,000 To 30,000, Deduct* | *-0.09* |
| | | *For >30,000, Deduct* | *-0.12* |

#### 26 01 30 91-0005 Emergency Generator Permits *(26 01 30 91)*

#### 26 01 30 91-0006 Air Pollution Control Board *(26 01 30 91-0005)*

| | | | |
|---|---|---|---|
| 26 01 30 91-0007 | EA | APCD Permit To Construct And Operate Emergency Generator | 5,052.51 |

#### 26 01 30 91-0008 Emergency Generator Modernization *(26 01 30 91)*

| | | | |
|---|---|---|---|
| 26 01 30 91-0009 | EA | Industrial Monitor and Touch Screen, 19" LCD, Panel Mount (Hope HIS-ML 19.5) | 1,880.83 |
| 26 01 30 91-0010 | EA | Industrial box PC (BPC) with fanless design and Intel® Core™ i5-4300U processor with up to 16 GB of RAM (Phoenix 2400333) | 5,963.99 |
| 26 01 30 91-0011 | EA | High Impact Industrial Display, 21.5-inch, flat panel LCD monitor with projected capacitive touch screen (Phoenix 2400515) | 3,430.27 |
| 26 01 30 91-0012 | EA | Power Supply Unit, 120 VAC Input To 24 VDC Output At 150 Watts (Phoenix 2904376) | 322.06 |
| 26 01 30 91-0013 | EA | Surge Protector, 120 VAC (Phoenix 2905228) | 409.84 |
| 26 01 30 91-0014 | EA | Software Upgrade, Local Interface for Windows, 1500 Tags (Indusoft IND-920NT-RT) | 2,796.31 |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 30 91-0015 | EA | PLC 16IO 24VDC Relay (IDEC FC6A-D16R1CEE) | 932.02 | |
| 26 01 30 91-0016 | EA | Controller, Logic, FC6A Series MICROSMART, 120-240 AC, 24IO, Relay (IDEC FC6A-C24R1AE) | 779.32 | |
| 26 01 30 91-0017 | EA | Programmable controller module (IDEC FC6A-N16B1) | 414.50 | |
| 26 01 30 91-0018 | EA | Programmable controller module (IDEC FC6A-R161) | 490.87 | |
| 26 01 30 91-0019 | EA | Programmable controller module (IDEC FC6A-M24BR1) | 618.11 | |
| 26 01 30 91-0020 | EA | Programmable controller module (IDEC FC6A-J8A1) | 677.51 | |
| 26 01 30 91-0021 | EA | COMPACT AND ROBUST MULTI-DISPLAY DIGITAL SIGNAGE PLAYER (Shuttle XH110G) | 719.78 | |
| 26 01 30 91-0022 | EA | MONITOR, ASUS VP228H, 19.5" LED MONITOR (ASUS) | 347.68 | |
| 26 01 30 91-0023 | EA | Master Programmable Logic Controller (PLC), 2560-Point, 20K Steps Programs, 160K Words Memory (Omron CJ2-CPU-33) | 3,407.85 | |
| 26 01 30 91-0024 | EA | Power supply unit for ATS PLC systems (Omron CJ1W-PD022) | 420.90 | |
| 26 01 30 91-0025 | EA | ETHERNET MODULE FOR ATS PLC (Omron CJ1W-ETN21) | 2,688.06 | |
| 26 01 30 91-0026 | EA | 8 POINT, 12 TO 24 VDC, INDEPENDENT COMMON UNIT FOR USE WITH ATS PLC (Omron CJ1W-ID201) | 573.40 | |
| 26 01 30 91-0027 | EA | Contact Output Unit, Independent Relays, 8 Points (Omron CJ1W-OC201) | 614.07 | |

### 26 01 30 91-0028 Emergency Generator Modernization For Rancho Los Amigos ATS Upgrade/Expansion *(26 01 30 91)*

Note: Subcontractor installed pricing. Includes delivery, sales tax and programming

| | | | | |
|---|---|---|---|---|
| 26 01 30 91-0029 | EA | CP1L-EL20DT-D, All ATS's, Generators, Main, Annunciator<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 1,895.32 | |
| 26 01 30 91-0030 | EA | CP1L-EM40DT-D, Generators, Main IO<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 1,306.36 | |
| 26 01 30 91-0031 | EA | CP1W-40EDR, Generators<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 973.26 | |
| 26 01 30 91-0032 | EA | CP1W-ADO1, MainIO<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 1,229.39 | |
| 26 01 30 91-0033 | EA | CP1W-CIF11, Serial interface<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 156.77 | |
| 26 01 30 91-0034 | EA | CP1W-32ER, Main IO<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 2,049.03 | |
| 26 01 30 91-0035 | EA | 2400515, Generator and control room industrial display<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 8,708.25 | |
| 26 01 30 91-0036 | EA | 2400333, Generator and control room IPC<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 10,757.25 | |
| 26 01 30 91-0037 | EA | 2904376, Power supply for each IPC and industrial display<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 3,790.65 | |
| 26 01 30 91-0038 | EA | 2905228, Surge protector for each IPC and industrial display<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 3,893.10 | |
| 26 01 30 91-0039 | EA | IND-920NT-RT, Latest version of HMI software, Version 8.1<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 8,708.25 | |
| 26 01 30 91-0040 | EA | CJ2-CPU-33, Master PLC processor<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 6,147.00 | |
| 26 01 30 91-0041 | EA | CJ1W-PD022, Master PLC Power Supply<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 4,610.25 | |
| 26 01 30 91-0042 | EA | CJ1W-ETN21, Master PLC Ethernet module<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 5,942.10 | |
| 26 01 30 91-0043 | EA | CJ1W-ID201, Master PLC Input module<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 4,712.70 | |
| 26 01 30 91-0044 | EA | CJ1W-OC201, Master PLC Output module<br>Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion | 4,610.25 | |

## 26 01 30 99 Facility Electrical Power Generating and Storing Equipment, Facilities Maintenance and Repair *(26 01 30)*

Note: The Maintenance & Repair section is a listing of common maintenance tasks performed at facilities. Under the System Description column, each task, including its components, is described. Labor-hours have been enhanced, where appropriate, to include setup and delay time. In some cases, the list of steps comprising the task includes most of the potential repairs that could be made on a system. For those tasks, individual items, as appropriate, can be selected from the all-encompassing list.

### 26 01 30 99-0001 175 KW Gasoline Generator *(26 01 30 99)*

Note: Includes all required small tools and equipment.

### 26 01 30 99-0002 175 KW, Gasoline Generator, Maintenance And Inspection *(26 01 30 99-0001)*

| | | | |
|---|---|---|---|
| 26 01 30 99-0003 | EA | Run Test Gasoline Generator (For 175 KW, Gasoline Generator, Maintenance And Inspection) | 100.24 |

### 26 01 30 99-0004 175 KW, Gasoline Generator, Replace Generator Component *(26 01 30 99-0001)*

| | | | |
|---|---|---|---|
| 26 01 30 99-0005 | EA | Remove Gasoline Generator (For 175 KW, Gasoline Generator, Replace Generator Component) | 4,556.39 |
| 26 01 30 99-0006 | EA | Install New Gasoline Generator, 175 KW (For 175 KW, Gasoline Generator, Replace Generator Component) | 92,414.87 |

### 26 01 30 99-0007 750 KW Diesel Generator *(26 01 30 99)*

Note: Includes all required small tools and equipment.

### 26 01 30 99-0008 750 KW, Diesel Generator, Maintenance And Inspection *(26 01 30 99-0007)*

| | | | |
|---|---|---|---|
| 26 01 30 99-0009 | EA | Run Test Diesel Generator (For 750 KW, Diesel Generator, Maintenance And Inspection) | 100.24 |

### 26 01 30 99-0010 750 KW, Diesel Generator, Replace Diesel Generator Component *(26 01 30 99-0007)*

| | | | |
|---|---|---|---|
| 26 01 30 99-0011 | EA | Remove Diesel Generator (For 750 KW, Diesel Generator, Replace Diesel Generator Component) | 7,159.99 |
| 26 01 30 99-0012 | EA | Install New Diesel Generator, 750 KW (For 750 KW, Diesel Generator, Replace Diesel Generator Component) | 261,216.64 |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 30 99-0013 | | Transfer Switch *(26 01 30 99)*<br>Note: Includes all required small tools and equipment. | | |
| 26 01 30 99-0014 | | Transfer Switch, Maintenance And Repair *(26 01 30 99-0013)* | | |
| 26 01 30 99-0015 | EA | Remove Transfer Switch Coil (For Transfer Switch, Maintenance And Repair) | 83.57 | |
| 26 01 30 99-0016 | EA | Install New Transfer Switch Coil (For Transfer Switch, Maintenance And Repair) | 390.55 | |
| 26 01 30 99-0017 | | Transfer Switch, Maintenance And Inspection *(26 01 30 99-0013)* | | |
| 26 01 30 99-0018 | EA | Inspect And Clean Transfer Switch (For Transfer Switch, Maintenance And Inspection) | 62.65 | |
| 26 01 30 99-0019 | | Transfer Switch, Replace Transfer Switch *(26 01 30 99-0013)* | | |
| 26 01 30 99-0020 | EA | Remove Transfer Switch (For Transfer Switch, Replace Transfer Switch) | 83.57 | |
| 26 01 30 99-0021 | EA | Install New Transfer Switch, 480 Volt, 3 Pole, 1,200 Amp (For Transfer Switch, Replace Transfer Switch) | 27,651.73 | |
| 26 01 30 99-0022 | EA | Cut, Form, Align And Connect Wires (For Transfer Switch, Replace Transfer Switch) | 18.92 | |
| 26 01 30 99-0023 | EA | Check Operation Of Switch (For Transfer Switch, Replace Transfer Switch) | 2.26 | |
| 26 01 30 99-0024 | | Battery, Wet *(26 01 30 99)*<br>Note: Includes all required small tools and equipment. | | |
| 26 01 30 99-0025 | | Wet Battery, Maintenance And Inspection *(26 01 30 99-0024)* | | |
| 26 01 30 99-0026 | EA | Clean And Maintain Wet Cell Battery (For Wet Battery, Maintenance And Inspection) | 62.65 | |
| 26 01 30 99-0027 | | Wet Battery, Replace Battery *(26 01 30 99-0024)* | | |
| 26 01 30 99-0028 | EA | Remove Wet Cell Battery (For Wet Battery, Replace Battery) | 12.53 | |
| 26 01 30 99-0029 | EA | Install New Wet Cell Battery (For Wet Battery, Replace Battery) | 704.78 | |
| 26 01 30 99-0030 | | Battery, Dry *(26 01 30 99)*<br>Note: Includes all required small tools and equipment. | | |
| 26 01 30 99-0031 | | Dry Battery, Maintenance And Inspection *(26 01 30 99-0030)* | | |
| 26 01 30 99-0032 | EA | Clean And Maintain Dry Cell Battery (For Dry Battery, Maintenance And Inspection) | 62.65 | |
| 26 01 30 99-0033 | | Dry Battery, Replace Battery *(26 01 30 99-0030)* | | |
| 26 01 30 99-0034 | EA | Remove Dry Cell Battery (For Dry Battery, Replace Battery) | 12.53 | |
| 26 01 30 99-0035 | EA | Install New Dry Cell Battery (For Dry Battery, Replace Battery) | 204.68 | |
| 26 01 30 99-0036 | | Battery Charger *(26 01 30 99)*<br>Note: Includes all required small tools and equipment. | | |
| 26 01 30 99-0037 | | Battery Charger, Maintenance And Repair *(26 01 30 99-0036)* | | |
| 26 01 30 99-0038 | EA | Repair Battery Charger Component (For Battery Charger, Maintenance And Repair) | 437.36 | |
| 26 01 30 99-0039 | | Battery Charger, Maintenance And Inspection *(26 01 30 99-0036)* | | |
| 26 01 30 99-0040 | EA | Check Battery Charger (For Battery Charger, Maintenance And Inspection) | 200.48 | |
| 26 01 30 99-0041 | | Battery Charger, Replace Charger *(26 01 30 99-0036)* | | |
| 26 01 30 99-0042 | EA | Remove Battery Charger (For Battery Charger, Replace Charger) | 77.06 | |
| 26 01 30 99-0043 | EA | Install New Battery Charger (For Battery Charger, Replace Charger) | 830.78 | |
| 26 01 30 99-0044 | | Uninterruptible Power Supply (UPS) Battery *(26 01 30 99)*<br>Note: Includes all required small tools and equipment. | | |
| 26 01 30 99-0045 | | Uninterruptible Power Supply (UPS) Battery, Maintenance And Inspection *(26 01 30 99-0044)* | | |
| 26 01 30 99-0046 | EA | UPS Battery Electrical Test (For Uninterruptible Power Supply (UPS) Battery, Maintenance And Inspection) | 100.24 | |
| 26 01 30 99-0047 | | Uninterruptible Power Supply (UPS) Battery, Replace Motor Generator Uninterruptible Power Supply (UPS) Battery *(26 01 30 99-0044)* | | |
| 26 01 30 99-0048 | EA | Remove UPS Battery (For Uninterruptible Power Supply (UPS) Battery, Replace Motor Generator Uninterruptible Power Supply (UPS) Battery) | 167.02 | |
| 26 01 30 99-0049 | EA | Install New UPS Battery (For Uninterruptible Power Supply (UPS) Battery, Replace Motor Generator Uninterruptible Power Supply (UPS) Battery) | 1,163.55 | |
| 26 01 30 99-0050 | | Automatic Transfer Switch Preventative Maintenance *(26 01 30 99)*<br>Note: Includes all required small tools and equipment. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 30 99-0051 | EA | Annual Preventative Maintenance For Automatic Transfer Switch<br>Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Inspect Wiring, Wiring Connections And Fuse Blocks For Looseness, Tighten All Connections. 3. Inspect Wiring, Wiring Connections And Fuse Blocks For Charring And Overheating. 4. Inspect Wiring, Wiring Connections And Fuse Blocks For Evidence Of Short-Circuiting. 5. Inspect General Condition Of Transfer Switch And Clean Exterior And Surrounding Area. 6. Fill Out Maintenance Checklist And Report Deficiencies. | 74.96 | |

## 26 01 30 99-0052 15 kVA And Less, Emergency Generator Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

| | | | | |
|---|---|---|---|---|
| 26 01 30 99-0053 | EA | Annual Preventative Maintenance For 15 kVA And Less, Emergency Generator<br>Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Engine Oil Level; Add As Required. 3. Change Engine Oil. 4. Change Engine Oil Filter. 5. Check Battery Charge And Electrolyte Specific Gravity; Add Water As Required. 6. Check Terminals For Corrosion; Clean As Required. 7. Check Belt Tension And Wear; Adjust As Required. 8. Check Engine Air Filter; Change As Required. 9. Check Engine Coolant, Add As Required. 10. Check Spark Plug Or Injector Nozzle Condition; Service Or Replace As Required. 11. Check Wiring, Connections And Switches; Adjust As Required. 12. Perform 30 Minute Generator Test Run; Check For Proper Operation. 13. Check Fuel Level; Add As Required. 14. Wipe Dust And Dirt From Engine And Generator. 15. Clean Area Around Generator. 16. Fill Out Maintenance Checklist And Report Deficiencies. | 363.69 | |

## 26 01 30 99-0054 Over 15 kVA, Emergency Diesel Generator Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

| | | | | |
|---|---|---|---|---|
| 26 01 30 99-0055 | EA | Annual Preventative Maintenance For Over 15 kVA, Emergency Diesel Generator<br>Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Engine Oil Level; Add As Required. 3. Change Engine Oil. 4. Change Engine Oil Filter. 5. Check Battery Charge And Electrolyte Specific Gravity; Add Water As Required. 6. Check Terminals For Corrosion; Clean As Required. 7. Check Belts for Wear and Proper Tension; Adjust As Required. 8. Check That Crank Case Heater Is Operating. 9. Check Engine Air Filter; Change As Required. 10. Check Engine Coolant; Add As Required. 11. Check Wiring, Connections And Switches; Adjust As Required. 12. Check Spark Plug Or Injector Nozzle Condition; Service Or Replace As Required. 13. Perform 30 Minute Generator Test Run; Check For Proper Operation. 14. Check Fuel Level With Gauge Pole, Add As Required. 15. Wipe Dust And Dirt From Engine And Generator. 16. Clean Area Around Generator. 17. Fill Out Maintenance Checklist And Report Deficiencies. | 392.45 | |

## 26 01 30 99-0056 Turbine Emergency Diesel Generator Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

| | | | | |
|---|---|---|---|---|
| 26 01 30 99-0057 | EA | Annual Preventative Maintenance For Turbine Emergency Diesel Generator<br>Note: 1. Check With Operating Or Area Personnel for Deficiencies. 2. Check Transmission Oil Level; Add As Required. . Check Turbine Oil Level; Add As Required. 3. Change Turbine Oil. 4. Change Turbine Oil Filter. 5. Check That The Crankcase Heater Is Operating Properly. 6. Remove And Install New Turbine Air Filter. 7. Check Wiring, Connections And Switches, Adjust As Required. 8. Check Engine Coolant, Add As Required. 9. Check Starter For Proper Operation, Lubricate As Required. 10. Check Fuel Nozzles And Fuel Regulator, Service Or Replace As Required. 11. Check Ignition Device Condition, Service Or Replace As Required. 12. Perform 30 Minute Generator Test Run, Check For Proper Operation. 13. Check And Record Transmission Oil Pressure And Temperature, And Natural Gas Pressure. 14. Oil Pressure:_____ Oil Temperature:_____ Gas Pressure:_____. 15. Record Running Time: Beginning ___ Hours: Ending ___ Hours. 16. Check That The Charger Is Operating Properly. 17. Check For Any Signs Of Corrosion On Battery Terminals Or Wires. 18. Check The Electrolyte Level In The Batteries, Add As Required. 19. Check Specific Gravity Of The Electrolyte In A 10% Sample Of The Batteries. 20. Check 25% Of Terminal-To-Cell Connection Resistance, Rehabilitate Connections As Required. 21. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 22. Measure And Record Individual Cell And String Float Voltages. 23. Clean Area Around Generator. 25. Fill Out Maintenance Checklist And Report Deficiencies. | 1,360.20 | |

## 26 01 30 99-0058 Power Stabilizer Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

| | | | | |
|---|---|---|---|---|
| 26 01 30 99-0059 | EA | Annual Preventative Maintenance For Power Stabilizer<br>Note: 1. Remove The Covers Or Open The Doors. 2. Check For Signs Of Moisture Or Overheating. 3. Check Fans And Other Auxiliary Devices For Proper Operation. 4. Check For Voltage Creeping Over Transformer Insulated Surface. 5. Look For Evidence Such As Tracking Or Carbonization. 6. Check Condition Of The Ground System. 7. Check Wiring, Connections And Relays; Tighten And Adjust As Required. 8. Reinstall The Covers Or Close The Doors. 9. Clean The Surrounding Area. 10. Fill Out Maintenance Checklist And Report Deficiencies. | 79.09 | |

## 26 01 30 99-0060 200 kVA And Less, Uninterruptible Power System Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

| | | | | |
|---|---|---|---|---|
| 26 01 30 99-0061 | EA | Annual Preventative Maintenance For 200 kVA And Less, Uninterruptible Power System<br>Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Electrolyte Level Of Batteries; Add Water As Required. 3. Check Terminals For Corrosion; Clean As Required. 4. Check 25% Of The Batteries For Charge And Electrolyte Specific Gravity. 5. Check Batteries For Cracks Or Leaks; Remove And Install New Batteries As Required. 6. Check 25% Of The Terminal-To-Cell Connection Resistances. 7. Rehabilitate Connections As Required. 8. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 9. Measure And Record Individual Cell And String Float Voltages. 10. Check Integrity Of Battery Rack. 11. Check Battery Room Temperature And Ventilation System. 12. Remove And Install New Air Filters On UPS Modules. 13. Check Output Voltage And Amperages, From Control Panel. 14. Check UPS Room Temperature And Ventilation System. 15. Notify Personnel And Test UPS Fault Alarm System. 16. Clean Around Batteries And UPS Modules. 17. Fill Out Maintenance Checklist And Report Deficiencies. | 592.18 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

26 01 30 99-0062 201 To 800 kVA, Uninterrupted Power System Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0063 EA Annual Preventative Maintenance For 201 To 800 kVA, Uninterrupted Power System ..... 1,303.91

Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Electrolyte Level Of Batteries; Add Water As Required. 3. Check Terminals For Corrosion; Clean As Required. 4. Check 25% Of The Batteries For Charge And Electrolyte Specific Gravity. 5. Check Batteries For Cracks Or Leaks; Remove And Install New Batteries As Required. 6. Check 25% Of The Terminal-To-Cell Connection Resistances. 7. Rehabilitate Connections As Required. 8. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 9. Measure And Record Individual Cell And String Float Voltages. 10. Check Integrity Of Battery Rack. 11. Check Battery Room Temperature And Ventilation System. 12. Remove And Install New Air Filters On UPS Modules. 13. Check Output Voltage And Amperages, From Control Panel. 14. Check UPS Room Temperature And Ventilation System. 15. Notify Personnel And Test UPS Fault Alarm System. 16. Clean Around Batteries And UPS Modules. 17. Fill Out Maintenance Checklist And Report Deficiencies.

26 01 30 99-0064 Battery System And Charger Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0065 EA Annual Preventative Maintenance Of Battery System And Charger ..... 203.59

Note: 1. Check That The Charger Is Operating Properly. 2. Check For Any Signs Of Corrosion On The Battery Terminals Or Wires. 3. Check The Electrolyte Level In The Batteries, Add As Required. 4. Check The Specific Gravity Of The Electrolyte In A 10% Sample Of The Batteries. 5. Check 25% Of Terminal-To-Cell Connection Resistance, Rehabilitate Connections As Required. 6. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 7. Measure And Record Individual Cell And String Float Voltages. 8. Clean Area Around Batteries.

## 26 01 50 Operation and Maintenance of Lighting *(26 01)*

### 26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

| | | | |
|---|---|---|---|
| 26 01 50 51-0003 | EA | 300 Watt, T3, Tungsten Halogen Lamp | 54.27 |
| 26 01 50 51-0004 | EA | 500 Watt, T3, Tungsten Halogen Lamp | 69.85 |
| 26 01 50 51-0005 | EA | 1,000 Watt, T3, Tungsten Halogen Lamp | 104.12 |
| 26 01 50 51-0006 | EA | 60 Watt, PAR38, Halogen Lamp | 26.99 |
| 26 01 50 51-0007 | EA | 75 Watt, PAR38, Halogen Lamp | 26.99 |
| 26 01 50 51-0008 | EA | 90 Watt, PAR38, Halogen Lamp | 25.60 |
| 26 01 50 51-0009 | EA | 100 Watt, PAR38, Halogen Lamp | 25.60 |
| 26 01 50 51-0010 | EA | 60 Watt, PAR38, Halogen IR Reflective Lamp | 37.88 |
| 26 01 50 51-0011 | EA | 67 Watt, PAR38, Halogen IR Reflective Lamp | 41.61 |
| 26 01 50 51-0012 | EA | 70 Watt, PAR38, Halogen IR Reflective Lamp | 40.65 |
| 26 01 50 51-0013 | EA | 90 Watt, PAR38, Halogen IR Reflective Lamp | 43.50 |
| 26 01 50 51-0014 | EA | 100 Watt, PAR38, Halogen IR Reflective Lamp | 44.10 |
| 26 01 50 51-0015 | EA | 12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10) | 22.34 |
| 26 01 50 51-0016 | EA | 12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20) | 22.34 |
| 26 01 50 51-0017 | EA | 12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25) | 24.34 |
| 26 01 50 51-0018 | EA | 12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36) | 24.34 |

26 01 50 51-0019 Incandescent Lamps *(26 01 50 51-0001)*

| | | | |
|---|---|---|---|
| 26 01 50 51-0020 | EA | 100 Watt, Frosted, Interior Incandescent Lamp | 7.18 |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.09* |
| 26 01 50 51-0021 | EA | 150 Watt, Frosted, Interior Incandescent Lamp | 8.94 |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.09* |
| 26 01 50 51-0022 | EA | 200 Watt, Frosted, Interior Incandescent Lamp | 10.91 |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.09* |
| 26 01 50 51-0023 | EA | 300 Watt, PS25, Interior Incandescent Lamp | 13.40 |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.09* |
| 26 01 50 51-0024 | EA | 60 Watt, G25, Clear, Interior Incandescent Lamp | 10.05 |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.09* |
| 26 01 50 51-0025 | EA | 75 Watt, R20, Interior Incandescent Lamp | 15.92 |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.51* |
| 26 01 50 51-0026 | EA | 75 Watt, PAR38, Exterior Incandescent Lamp | 19.40 |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.51* |
| 26 01 50 51-0027 | EA | 100 Watt, PAR38, Exterior Incandescent Lamp | 18.01 |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.51* |
| 26 01 50 51-0028 | EA | 150 Watt, PAR38, Exterior Incandescent Lamp | 31.21 |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.51* |
| 26 01 50 51-0029 | EA | 250 Watt, PAR38, Exterior Incandescent Lamp | 64.46 |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.92* |
| 26 01 50 51-0030 | EA | 300 Watt, PAR56, Exterior Incandescent Lamp | 74.15 |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.92* |

26 01 50 51-0031 Exit Light Lamps *(26 01 50 51-0001)*

| | | | |
|---|---|---|---|
| 26 01 50 51-0032 | EA | Convert Exit Light Lamps To Red LED Lamps | 119.88 |
| | | *For Green LED Lamps, Add* | *25.00* |
| 26 01 50 51-0033 | EA | Fluorescent Lamp For Exit Light | 34.06 |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-8.36* |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 51-0034 | EA | Lamp Replacement For Emergency Lights On Exit Sign | 44.26 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-4.18* | |
| 26 01 50 51-0035 | | **Fluorescent Lamps** *(26 01 50 51-0001)* | | |
| 26 01 50 51-0036 | EA | 18", 15 Watt, T8 Fluorescent Lamp | 13.28 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0037 | EA | 2', 17 Watt, T8 Fluorescent Lamp | 16.01 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0038 | EA | 3', 25 Watt, T8 Fluorescent Lamp | 18.40 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0039 | EA | 4', 28 Watt, Rapid Start T8 Fluorescent Lamp | 19.18 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0040 | EA | 4', 32 Watt, T8 Fluorescent Lamp | 18.17 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0041 | EA | 4', 30 Watt, T8 Fluorescent Lamp | 23.11 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0042 | EA | 4', 28 Watt, T8 Fluorescent Lamp | 20.24 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0043 | EA | 4', 25 Watt, T8 Fluorescent Lamp | 20.13 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0044 | EA | 4', 44 Watt, T8HO Fluorescent Lamp | 32.47 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0045 | EA | 8', 59 Watt, T8 Fluorescent Lamp | 24.72 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0046 | EA | 18", 15 Watt, T12 Fluorescent Lamp | 20.16 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0047 | EA | 2', 20 Watt, T12 Fluorescent Lamp | 15.23 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0048 | EA | 3', 30 Watt, T12 Fluorescent Lamp | 17.10 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0049 | EA | 4', 34 Watt, T12 Fluorescent Lamp | 17.19 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0050 | EA | 4', 40 Watt, T12 Fluorescent Lamp | 16.83 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0051 | EA | 8', 60 Watt, T12 Fluorescent Lamp | 25.35 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0052 | EA | 8', 75 Watt, T12 Fluorescent Lamp | 21.38 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0053 | EA | 8', 95 Watt, Instant Start T12 Fluorescent Lamp | 36.14 | |
| 26 01 50 51-0054 | EA | 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp | 20.40 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0055 | EA | 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp | 16.75 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0056 | EA | 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp | 16.19 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0057 | EA | 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp | 17.94 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0058 | EA | 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp | 29.73 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-4.18* | |
| 26 01 50 51-0059 | EA | 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp | 28.66 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-4.18* | |
| 26 01 50 51-0060 | EA | 6", 4 Watt, T5 Fluorescent Lamp | 14.76 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0061 | EA | 9", 6 Watt, T5 Fluorescent Lamp | 14.51 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0062 | EA | 12", 8 Watt, T5 Fluorescent Lamp | 14.98 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0063 | EA | 21", 13 Watt, T5 Fluorescent Lamp | 15.68 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0064 | EA | 24", 14 Watt, T5 Fluorescent Lamp | 18.10 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0065 | EA | 34", 21 Watt, T5 Fluorescent Lamp | 19.68 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0066 | EA | 46", 28 Watt, T5 Fluorescent Lamp | 19.05 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0067 | EA | 46", 54 Watt, T5HO Fluorescent Lamp | 20.87 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0068 | EA | 46", 54 Watt T5 Fluorescent Lamp | 18.29 | |
| 26 01 50 51-0069 | EA | 5-13 Watt, 2-Pin Compact Fluorescent Lamp | 11.71 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.09* | |
| 26 01 50 51-0070 | EA | 9-26 Watt, 4-Pin Compact Fluorescent Lamp | 12.96 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.09* | |
| 26 01 50 51-0071 | EA | 27-55 Watt, 4-Pin Compact Fluorescent Lamp | 26.79 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.09* | |
| 26 01 50 51-0072 | EA | Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux | 34.89 | |
| 26 01 50 51-0073 | EA | Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux | 34.89 | |
| 26 01 50 51-0074 | EA | 32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin | 66.04 | |
| 26 01 50 51-0075 | EA | 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp | 23.86 | |
| 26 01 50 51-0076 | EA | <9 Watt, Screw-In, Spiral Compact Fluorescent Lamps | 12.05 | |
| 26 01 50 51-0077 | EA | 9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps | 10.40 | |
| 26 01 50 51-0078 | EA | 29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps | 10.91 | |
| 26 01 50 51-0079 | EA | 33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps | 45.11 | |
| 26 01 50 51-0080 | EA | 43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps | 49.22 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 51-0081 | EA | 85 Watt, Screw-In, Spiral Compact Fluorescent Lamps | 93.78 | |
| 26 01 50 51-0082 | EA | 105 Watt, Screw-In, Spiral Compact Fluorescent Lamps | 112.34 | |
| 26 01 50 51-0083 | EA | 200 Watt, Screw-In, Spiral Compact Fluorescent Lamps | 116.12 | |
| 26 01 50 51-0084 | EA | 11 Watt, Screw-In, Compact Fluorescent Reflector Lamps | 42.07 | |
| 26 01 50 51-0085 | EA | 15 Watt, Screw-In, Compact Fluorescent Reflector Lamps | 43.89 | |
| 26 01 50 51-0086 | EA | 20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps | 50.69 | |

### 26 01 50 51-0087 Metal Halide Lamps *(26 01 50 51-0001)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0088 | EA | 50 Watt, Pulse Start Metal Halide Lamp | 51.41 | |
| 26 01 50 51-0089 | EA | 70 Watt, Pulse Start Metal Halide Lamp | 49.18 | |
| 26 01 50 51-0090 | EA | 100 Watt, Pulse Start Metal Halide Lamp | 56.24 | |
| 26 01 50 51-0091 | EA | 150 Watt, Pulse Start Metal Halide Lamp | 54.64 | |
| 26 01 50 51-0092 | EA | 175 Watt, Pulse Start Metal Halide Lamp | 54.18 | |
| 26 01 50 51-0093 | EA | 250 Watt, Pulse Start Metal Halide Lamp | 54.49 | |
| 26 01 50 51-0094 | EA | 400 Watt, Pulse Start Metal Halide Lamp | 65.76 | |
| 26 01 50 51-0095 | EA | 1,000 Watt, Pulse Start Metal Halide Lamp | 76.56 | |
| 26 01 50 51-0096 | EA | 1,500 Watt, Pulse Start Metal Halide Lamp | 76.11 | |

### 26 01 50 51-0097 High Pressure Sodium Lamps *(26 01 50 51-0001)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0098 | EA | 35 Watt, High Pressure Sodium Lamp | 42.30 | |
| | | *For Enclosed And Gasket Light Fixtures, Add* | *3.22* | |
| 26 01 50 51-0099 | EA | 50 Watt, High Pressure Sodium Lamp | 42.30 | |
| | | *For Enclosed And Gasket Light Fixtures, Add* | *3.22* | |
| 26 01 50 51-0100 | EA | 70 Watt, High Pressure Sodium Lamp | 43.27 | |
| | | *For Enclosed And Gasket Light Fixtures, Add* | *3.22* | |
| 26 01 50 51-0101 | EA | 100 Watt, High Pressure Sodium Lamp | 45.10 | |
| | | *For Enclosed And Gasket Light Fixtures, Add* | *3.22* | |
| 26 01 50 51-0102 | EA | 150 Watt, High Pressure Sodium Lamp | 43.27 | |
| | | *For Enclosed And Gasket Light Fixtures, Add* | *3.22* | |
| 26 01 50 51-0103 | EA | 250 Watt, High Pressure Sodium Lamp | 43.27 | |
| | | *For Enclosed And Gasket Light Fixtures, Add* | *3.22* | |
| 26 01 50 51-0104 | EA | 400 Watt, High Pressure Sodium Lamp | 40.53 | |
| | | *For Enclosed And Gasket Light Fixtures, Add* | *3.22* | |
| 26 01 50 51-0105 | EA | 1,000 Watt, High Pressure Sodium Lamp | 94.76 | |

### 26 01 50 51-0106 Low Pressure Sodium Lamps *(26 01 50 51-0001)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0107 | EA | 35 Watt, Low Pressure Sodium Lamp | 108.66 | |
| 26 01 50 51-0108 | EA | 55 Watt, Low Pressure Sodium Lamp | 121.33 | |
| 26 01 50 51-0109 | EA | 70 Watt, Low Pressure Sodium Lamp | 124.18 | |
| 26 01 50 51-0110 | EA | 90 Watt, Low Pressure Sodium Lamp | 127.03 | |
| 26 01 50 51-0111 | EA | 135 Watt, Low Pressure Sodium Lamp | 138.45 | |
| 26 01 50 51-0112 | EA | 180 Watt, Low Pressure Sodium Lamp | 189.82 | |

### 26 01 50 51-0113 LED Lamps *(26 01 50 51-0001)*

### 26 01 50 51-0114 LED Lamps, Candelabra Base, CA10 *(26 01 50 51-0113)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0115 | EA | 3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star) | 25.75 | |

### 26 01 50 51-0116 LED Lamps, Medium Base, A19 Or A21 *(26 01 50 51-0113)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0117 | EA | 6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) | 36.59 | |
| 26 01 50 51-0118 | EA | 11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) | 36.59 | |
| 26 01 50 51-0119 | EA | 14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) | 65.69 | |
| 26 01 50 51-0120 | EA | 17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star) | 43.94 | |
| 26 01 50 51-0121 | EA | 18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star) | 83.87 | |

### 26 01 50 51-0122 LED Lamps, Medium Base, BR30 Or BR40 *(26 01 50 51-0113)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0123 | EA | 9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star) | 48.42 | |
| 26 01 50 51-0124 | EA | 14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star) | 42.27 | |
| 26 01 50 51-0125 | EA | 11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) | 58.60 | |
| 26 01 50 51-0126 | EA | 14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) | 47.73 | |
| 26 01 50 51-0127 | EA | 14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) | 65.88 | |
| 26 01 50 51-0128 | EA | 18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) | 47.73 | |

### 26 01 50 51-0129 LED Lamps, Medium Base, PAR *(26 01 50 51-0113)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0130 | EA | 7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star) | 54.24 | |
| 26 01 50 51-0131 | EA | 12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star) | 76.83 | |
| 26 01 50 51-0132 | EA | 16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star) | 76.83 | |
| 26 01 50 51-0133 | EA | 15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star) | 73.19 | |
| 26 01 50 51-0134 | EA | 12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star) | 69.55 | |
| 26 01 50 51-0135 | EA | 15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star) | 69.55 | |
| 26 01 50 51-0136 | EA | 18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star) | 143.02 | |
| 26 01 50 51-0137 | EA | 15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) | 76.83 | |
| 26 01 50 51-0138 | EA | 18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) | 73.19 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 51-0139 | EA | 19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star) | 76.83 | |
| 26 01 50 51-0140 | EA | 24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) | 76.83 | |
| **26 01 50 51-0141** | | **LED Lamps, GU Base, MR16** *(26 01 50 51-0113)* | | |
| 26 01 50 51-0142 | EA | 4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star) | 35.00 | |
| 26 01 50 51-0143 | EA | 6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star) | 48.42 | |
| 26 01 50 51-0144 | EA | 8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star) | 54.24 | |
| **26 01 50 51-0145** | | **LED Lamps, PL Series** *(26 01 50 51-0113)* | | |
| 26 01 50 51-0146 | EA | 3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23) | 16.34 | |
| 26 01 50 51-0147 | EA | 26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR) | 21.84 | |
| 26 01 50 51-0148 | EA | 26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR) | 18.84 | |
| 26 01 50 51-0149 | EA | 26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR) | 20.72 | |
| 26 01 50 51-0150 | EA | 26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR) | 20.72 | |
| 26 01 50 51-0151 | EA | 26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR) | 24.09 | |
| 26 01 50 51-0152 | EA | 13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR) | 20.72 | |
| 26 01 50 51-0153 | EA | 13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR) | 20.72 | |
| 26 01 50 51-0154 | EA | 13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR) | 20.72 | |
| 26 01 50 51-0155 | EA | 13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR) | 20.72 | |
| 26 01 50 51-0156 | EA | 26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR) | 22.97 | |
| 26 01 50 51-0157 | EA | 26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR) | 22.97 | |
| 26 01 50 51-0158 | EA | 26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR) | 22.97 | |
| 26 01 50 51-0159 | EA | 26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR) | 22.97 | |
| 26 01 50 51-0160 | EA | 26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR) | 21.84 | |
| 26 01 50 51-0161 | EA | 13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR) | 21.84 | |
| 26 01 50 51-0162 | EA | 13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR) | 21.84 | |
| 26 01 50 51-0163 | EA | 13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR) | 22.59 | |
| 26 01 50 51-0164 | EA | 13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR) | 22.59 | |
| 26 01 50 51-0165 | EA | 26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP) | 22.76 | |
| 26 01 50 51-0166 | EA | 26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP) | 22.76 | |
| 26 01 50 51-0167 | EA | 26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP) | 22.76 | |
| 26 01 50 51-0168 | EA | 26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP) | 22.76 | |
| 26 01 50 51-0169 | EA | 13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP) | 23.34 | |
| 26 01 50 51-0170 | EA | 13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP) | 23.34 | |
| 26 01 50 51-0171 | EA | 13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26) | 23.34 | |
| 26 01 50 51-0172 | EA | 13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26) | 23.34 | |
| 26 01 50 51-0173 | EA | 13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26) | 23.34 | |
| 26 01 50 51-0174 | EA | 13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24) | 23.34 | |
| 26 01 50 51-0175 | EA | 13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24) | 23.34 | |
| 26 01 50 51-0176 | EA | 13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24) | 23.34 | |
| 26 01 50 51-0177 | EA | 26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP) | 29.20 | |
| 26 01 50 51-0178 | EA | 26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP) | 29.20 | |
| 26 01 50 51-0179 | EA | 26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP) | 29.20 | |
| 26 01 50 51-0180 | EA | 26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP) | 27.85 | |
| 26 01 50 51-0181 | EA | 13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP) | 27.85 | |
| 26 01 50 51-0182 | EA | 13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP) | 27.85 | |
| 26 01 50 51-0183 | EA | 4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898) | 27.17 | |
| **26 01 50 51-0184** | | **HID LED Lamps, Medium Base E26** *(26 01 50 51-0113)* | | |
| 26 01 50 51-0185 | EA | 27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26) | 53.72 | |
| 26 01 50 51-0186 | EA | 27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26) | 53.72 | |
| 26 01 50 51-0187 | EA | 45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26) | 67.58 | |
| 26 01 50 51-0188 | EA | 45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26) | 67.58 | |
| 26 01 50 51-0189 | EA | 10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026) | 48.69 | |
| 26 01 50 51-0190 | EA | 10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026) | 48.69 | |
| 26 01 50 51-0191 | EA | 10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026) | 48.69 | |
| 26 01 50 51-0192 | EA | 10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026) | 48.69 | |
| 26 01 50 51-0193 | EA | 15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026) | 50.19 | |
| 26 01 50 51-0194 | EA | 15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026) | 50.19 | |
| 26 01 50 51-0195 | EA | 15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026) | 50.19 | |
| 26 01 50 51-0196 | EA | 15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026) | 50.19 | |
| 26 01 50 51-0197 | EA | 20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026) | 56.19 | |
| 26 01 50 51-0198 | EA | 20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026) | 56.19 | |
| 26 01 50 51-0199 | EA | 20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026) | 56.19 | |
| 26 01 50 51-0200 | EA | 20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026) | 56.19 | |
| 26 01 50 51-0201 | EA | 25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026) | 63.69 | |
| 26 01 50 51-0202 | EA | 25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026) | 63.69 | |
| 26 01 50 51-0203 | EA | 25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026) | 63.69 | |
| 26 01 50 51-0204 | EA | 25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026) | 63.69 | |
| 26 01 50 51-0205 | EA | 30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026) | 80.18 | |
| 26 01 50 51-0206 | EA | 30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026) | 80.18 | |
| 26 01 50 51-0207 | EA | 30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026) | 80.18 | |
| 26 01 50 51-0208 | EA | 30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026) | 80.18 | |
| 26 01 50 51-0209 | EA | 40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026) | 94.43 | |
| 26 01 50 51-0210 | EA | 40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026) | 94.43 | |
| 26 01 50 51-0211 | EA | 40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026) | 94.43 | |
| 26 01 50 51-0212 | EA | 40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026) | 94.43 | |
| 26 01 50 51-0213 | EA | 60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026) | 104.18 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 51-0214 | EA | 60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026) | 104.18 | |
| 26 01 50 51-0215 | EA | 60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026) | 104.18 | |
| 26 01 50 51-0216 | EA | 60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026) | 104.18 | |
| 26 01 50 51-0217 | EA | 80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026) | 139.42 | |
| 26 01 50 51-0218 | EA | 80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026) | 139.42 | |
| 26 01 50 51-0219 | EA | 80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026) | 139.42 | |
| 26 01 50 51-0220 | EA | 80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026) | 139.42 | |
| 26 01 50 51-0221 | EA | 100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026) | 143.92 | |
| 26 01 50 51-0222 | EA | 100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026) | 143.92 | |
| 26 01 50 51-0223 | EA | 100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026) | 143.92 | |
| 26 01 50 51-0224 | EA | 100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026) | 143.92 | |
| 26 01 50 51-0225 | EA | 120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026) | 170.16 | |
| 26 01 50 51-0226 | EA | 120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026) | 170.16 | |
| 26 01 50 51-0227 | EA | 120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026) | 170.16 | |
| 26 01 50 51-0228 | EA | 120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026) | 170.16 | |
| 26 01 50 51-0229 | EA | 150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026) | 201.65 | |
| 26 01 50 51-0230 | EA | 150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026) | 201.65 | |
| 26 01 50 51-0231 | EA | 150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026) | 201.65 | |
| 26 01 50 51-0232 | EA | 150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026) | 201.65 | |
| 26 01 50 51-0233 | EA | 20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6 ) | 66.06 | |
| 26 01 50 51-0234 | EA | 20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6 ) | 71.31 | |
| 26 01 50 51-0235 | EA | 27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5 ) | 71.31 | |
| 26 01 50 51-0236 | EA | 27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5 ) | 66.06 | |
| 26 01 50 51-0237 | EA | 36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5 ) | 82.55 | |
| 26 01 50 51-0238 | EA | 36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5 ) | 75.81 | |
| 26 01 50 51-0239 | EA | 45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5 ) | 90.80 | |
| 26 01 50 51-0240 | EA | 45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5 ) | 89.92 | |
| 26 01 50 51-0241 | EA | 54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5 ) | 91.93 | |
| 26 01 50 51-0242 | EA | 54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5 ) | 91.93 | |
| 26 01 50 51-0243 | EA | 27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7 ) | 56.33 | |
| 26 01 50 51-0244 | EA | 27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7 ) | 56.33 | |
| 26 01 50 51-0245 | EA | 36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7 ) | 63.27 | |
| 26 01 50 51-0246 | EA | 36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7 ) | 63.27 | |
| 26 01 50 51-0247 | EA | 45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7 ) | 67.88 | |
| 26 01 50 51-0248 | EA | 45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7 ) | 67.88 | |
| 26 01 50 51-0249 | EA | 54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7 ) | 74.81 | |
| 26 01 50 51-0250 | EA | 54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7 ) | 74.81 | |
| 26 01 50 51-0251 | EA | 20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26) | 75.17 | |
| 26 01 50 51-0252 | EA | 30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26) | 81.32 | |
| 26 01 50 51-0253 | EA | 40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26) | 100.74 | |
| 26 01 50 51-0254 | EA | 50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26) | 110.78 | |
| 26 01 50 51-0255 | EA | 10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26) | 44.58 | |
| 26 01 50 51-0256 | EA | 15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26) | 49.97 | |
| 26 01 50 51-0257 | EA | 20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26) | 52.67 | |
| 26 01 50 51-0258 | EA | 25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26) | 57.70 | |
| 26 01 50 51-0259 | EA | 15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV) | 69.03 | |
| 26 01 50 51-0260 | EA | 20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV) | 80.57 | |
| 26 01 50 51-0261 | EA | 25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV) | 109.41 | |
| 26 01 50 51-0262 | EA | 30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV) | 115.18 | |
| 26 01 50 51-0263 | EA | 35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV) | 124.41 | |
| 26 01 50 51-0264 | EA | 40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV) | 130.17 | |
| 26 01 50 51-0265 | EA | 60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV) | 186.70 | |
| 26 01 50 51-0266 | EA | 20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K) | 68.17 | |

## 26 01 50 51-0267 HID LED Lamps, Mogul Base E39 Or EX39 *(26 01 50 51-0113)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0268 | EA | 120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39) | 179.18 | |
| 26 01 50 51-0269 | EA | 120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39) | 179.18 | |
| 26 01 50 51-0270 | EA | 120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39) | 179.18 | |
| 26 01 50 51-0271 | EA | 27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39) | 53.72 | |
| 26 01 50 51-0272 | EA | 27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R) | 53.72 | |
| 26 01 50 51-0273 | EA | 27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39) | 53.72 | |
| 26 01 50 51-0274 | EA | 45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39) | 67.58 | |
| 26 01 50 51-0275 | EA | 45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R) | 67.58 | |
| 26 01 50 51-0276 | EA | 45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39) | 67.58 | |
| 26 01 50 51-0277 | EA | 80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39) | 123.82 | |
| 26 01 50 51-0278 | EA | 80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039) | 139.42 | |
| 26 01 50 51-0279 | EA | 80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039) | 139.42 | |
| 26 01 50 51-0280 | EA | 80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039) | 139.42 | |
| 26 01 50 51-0281 | EA | 80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039) | 139.42 | |
| 26 01 50 51-0282 | EA | 100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039) | 143.92 | |
| 26 01 50 51-0283 | EA | 100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039) | 143.92 | |
| 26 01 50 51-0284 | EA | 100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039) | 143.92 | |
| 26 01 50 51-0285 | EA | 100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039) | 143.92 | |
| 26 01 50 51-0286 | EA | 120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039) | 170.16 | |
| 26 01 50 51-0287 | EA | 120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039) | 170.16 | |
| 26 01 50 51-0288 | EA | 120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039) | 170.16 | |
| 26 01 50 51-0289 | EA | 120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039) | 170.16 | |
| 26 01 50 51-0290 | EA | 150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039) | 201.65 | |
| 26 01 50 51-0291 | EA | 150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039) | 201.65 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 51-0292 | EA | 150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039) | 201.65 | |
| 26 01 50 51-0293 | EA | 150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039) | 201.65 | |
| 26 01 50 51-0294 | EA | 27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5 ) | 71.31 | |
| 26 01 50 51-0295 | EA | 27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5 ) | 71.31 | |
| 26 01 50 51-0296 | EA | 36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5 ) | 82.55 | |
| 26 01 50 51-0297 | EA | 36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5 ) | 81.52 | |
| 26 01 50 51-0298 | EA | 45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5 ) | 90.80 | |
| 26 01 50 51-0299 | EA | 45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5 ) | 89.92 | |
| 26 01 50 51-0300 | EA | 54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5 ) | 91.93 | |
| 26 01 50 51-0301 | EA | 54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5 ) | 89.32 | |
| 26 01 50 51-0302 | EA | 100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5 ) | 191.27 | |
| 26 01 50 51-0303 | EA | 20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7 ) | 71.28 | |
| 26 01 50 51-0304 | EA | 20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7 ) | 71.28 | |
| 26 01 50 51-0305 | EA | 30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7 ) | 80.61 | |
| 26 01 50 51-0306 | EA | 30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7 ) | 80.61 | |
| 26 01 50 51-0307 | EA | 40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7 ) | 86.22 | |
| 26 01 50 51-0308 | EA | 40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7 ) | 86.22 | |
| 26 01 50 51-0309 | EA | 27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7 ) | 56.24 | |
| 26 01 50 51-0310 | EA | 27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7 ) | 56.24 | |
| 26 01 50 51-0311 | EA | 36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7 ) | 63.27 | |
| 26 01 50 51-0312 | EA | 36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7 ) | 63.27 | |
| 26 01 50 51-0313 | EA | 45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7 ) | 67.88 | |
| 26 01 50 51-0314 | EA | 45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7 ) | 67.88 | |
| 26 01 50 51-0315 | EA | 54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7 ) | 74.81 | |
| 26 01 50 51-0316 | EA | 54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7 ) | 74.81 | |
| 26 01 50 51-0317 | EA | 65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39) | 133.20 | |
| 26 01 50 51-0318 | EA | 80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39) | 153.75 | |
| 26 01 50 51-0319 | EA | 100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39) | 182.99 | |
| 26 01 50 51-0320 | EA | 120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39) | 355.19 | |
| 26 01 50 51-0321 | EA | 150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39) | 335.52 | |
| 26 01 50 51-0322 | EA | 200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39) | 355.19 | |
| 26 01 50 51-0323 | EA | 250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39) | 356.72 | |
| 26 01 50 51-0324 | EA | 24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A) | 55.90 | |
| 26 01 50 51-0325 | EA | 24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A) | 55.90 | |
| 26 01 50 51-0326 | EA | 24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A) | 55.90 | |
| 26 01 50 51-0327 | EA | 100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50) | 162.59 | |
| 26 01 50 51-0328 | EA | 115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D) | 422.66 | |
| 26 01 50 51-0329 | EA | 40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K) | 180.12 | |
| 26 01 50 51-0330 | EA | 100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K) | 212.12 | |
| 26 01 50 51-0331 | EA | 45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K) | 93.76 | |
| 26 01 50 51-0332 | EA | 40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K) | 294.64 | |

## 26 01 50 51-0333 LED Lamps, 2G11 Base *(26 01 50 51-0113)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0334 | EA | 19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR) | 49.58 | |

## 26 01 50 51-0335 LED Lamps, GX23 Or G23 Base *(26 01 50 51-0113)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0336 | EA | 5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4) | 24.39 | |

## 26 01 50 51-0337 LED Lamps, G24 Base *(26 01 50 51-0113)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0338 | EA | 5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R) | 31.69 | |

## 26 01 50 51-0339 LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0113)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0340 | EA | 2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K) | 43.47 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0341 | EA | 2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K) | 56.59 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0342 | EA | 3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K) | 46.84 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.55* | |
| 26 01 50 51-0343 | EA | 4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K) | 51.30 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0344 | EA | 4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K) | 56.22 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0345 | EA | 4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN) | 35.29 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |
| 26 01 50 51-0346 | EA | 2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN) | 34.02 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0347 | EA | 2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF) | 30.98 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.34* | |
| 26 01 50 51-0348 | EA | 3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF) | 31.52 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.55* | |
| 26 01 50 51-0349 | EA | 4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF) | 31.51 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 51-0350 | EA | 4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF) | 32.67 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-3.76* | |

## 26 01 50 51-0351 Filament LED Lamps *(26 01 50 51-0113)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0352 | EA | 7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827 ) | 18.09 | |
| 26 01 50 51-0353 | EA | 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R ) | 18.09 | |
| 26 01 50 51-0354 | EA | 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827) | 17.34 | |
| 26 01 50 51-0355 | EA | 4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A) | 17.34 | |
| 26 01 50 51-0356 | EA | 4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827) | 18.54 | |
| 26 01 50 51-0357 | EA | 4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A) | 18.54 | |
| 26 01 50 51-0358 | EA | 3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827) | 15.84 | |
| 26 01 50 51-0359 | EA | 3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26) | 15.84 | |
| 26 01 50 51-0360 | EA | 3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A) | 16.29 | |
| 26 01 50 51-0361 | EA | 3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A) | 19.59 | |
| 26 01 50 51-0362 | EA | 4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521) | 23.64 | |

## 26 01 50 51-0363 Other Lamps *(26 01 50 51-0113)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0364 | EA | 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1) | 17.22 | |
| 26 01 50 51-0365 | EA | 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM) | 17.22 | |
| 26 01 50 51-0366 | EA | 11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM) | 17.22 | |
| 26 01 50 51-0367 | EA | 12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1) | 17.97 | |
| 26 01 50 51-0368 | EA | 13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1) | 17.97 | |
| 26 01 50 51-0369 | EA | 8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1) | 17.97 | |

## 26 01 50 51-0370 LED Lamps, Light Engines, Round, LER Series *(26 01 50 51-0113)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0371 | EA | 5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730) | 57.02 | |
| 26 01 50 51-0372 | EA | 9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U) | 32.73 | |

## 26 01 50 51-0373 Remove Hazardous Lamps From Fixture For Recycling *(26 01 50 51)*

Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0382 for recycling hazardous lamps.

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0374 | EA | Removal Of 2' Length Linear Fluorescent Lamps | 4.43 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-1.46* | |
| 26 01 50 51-0375 | EA | Removal Of 3' Length Linear Fluorescent Lamps | 5.06 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-1.67* | |
| 26 01 50 51-0376 | EA | Removal Of 4' Length Linear Fluorescent Lamps | 5.69 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-1.88* | |
| 26 01 50 51-0377 | EA | Removal Of 6' Length Linear Fluorescent Lamps | 6.33 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.09* | |
| 26 01 50 51-0378 | EA | Removal Of 8' Length Linear Fluorescent Lamps | 6.96 | |
| | | *For Removal Of Multiple Lamps In A Fixture, Deduct* | *-2.30* | |
| 26 01 50 51-0379 | EA | Removal Of Compact Fluorescent Lamps | 3.79 | |
| | | *For >25 To 40, Deduct* | *-0.38* | |
| | | *For >40, Deduct* | *-0.76* | |
| 26 01 50 51-0380 | EA | Removal Of U-Shaped Or Circular Fluorescent Lamps | 6.02 | |
| | | *For >25 To 40, Deduct* | *-0.60* | |
| | | *For >40, Deduct* | *-1.20* | |
| 26 01 50 51-0381 | EA | Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps | 10.76 | |
| | | *For >25 To 40, Deduct* | *-1.08* | |
| | | *For >40, Deduct* | *-2.15* | |

## 26 01 50 51-0382 Recycle Hazardous Lamps *(26 01 50 51)*

Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.

| | | | | |
|---|---|---|---|---|
| 26 01 50 51-0383 | EA | Recycle 2' Length Linear Fluorescent Lamps | 1.79 | |
| 26 01 50 51-0384 | EA | Recycle 3' Length Linear Fluorescent Lamps | 2.29 | |
| 26 01 50 51-0385 | EA | Recycle 4' Length Linear Fluorescent Lamps | 2.79 | |
| 26 01 50 51-0386 | EA | Recycle 6' Length Linear Fluorescent Lamps | 3.95 | |
| 26 01 50 51-0387 | EA | Recycle 8' Length Linear Fluorescent Lamps | 4.95 | |
| 26 01 50 51-0388 | EA | Recycle Compact Fluorescent Lamps | 4.56 | |
| 26 01 50 51-0389 | EA | Recycle U-Shaped Or Circular Fluorescent Lamps | 4.56 | |
| 26 01 50 51-0390 | EA | Recycle High Intensity Discharge (HID) Lamps | 7.20 | |

### 26 01 50 52 Ballasts Replacement *(26 01 50)*

## 26 01 50 52-0001 Lighting Ballasts *(26 01 50 52)*

Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.

## 26 01 50 52-0002 Fluorescent Ballasts *(26 01 50 52-0001)*

## 26 01 50 52-0003 T5 Fluorescent Ballasts *(26 01 50 52-0002)*

## 26 01 50 52-0004 T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)*

Note: Includes 120/277 Volt and normal ballast factor.

## 26 01 50 52-0005 14 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 52-0006 | EA | 1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast | 142.11 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| | | *For High Ballast Factor, Add* | *8.20* | |
| 26 01 50 52-0007 | EA | 2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast | 148.43 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| | | *For High Ballast Factor, Add* | *8.20* | |
| **26 01 50 52-0008** | | **21 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)* | | |
| 26 01 50 52-0009 | EA | 1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast | 142.11 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| | | *For High Ballast Factor, Add* | *8.20* | |
| 26 01 50 52-0010 | EA | 2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast | 148.43 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| | | *For High Ballast Factor, Add* | *8.20* | |
| **26 01 50 52-0011** | | **28 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)* | | |
| 26 01 50 52-0012 | EA | 1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast | 142.11 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| | | *For High Ballast Factor, Add* | *8.20* | |
| 26 01 50 52-0013 | EA | 2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast | 148.43 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| | | *For High Ballast Factor, Add* | *8.20* | |
| **26 01 50 52-0014** | | **35 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)* | | |
| 26 01 50 52-0015 | EA | 1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast | 142.11 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0016 | EA | 2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast | 148.43 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| **26 01 50 52-0017** | | **54 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)* | | |
| 26 01 50 52-0018 | EA | 1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast | 141.95 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0019 | EA | 2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast | 148.27 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0020 | EA | 3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast | 203.65 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0021 | EA | 4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast | 209.98 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| **26 01 50 52-0022** | | **High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0003)*<br>Note: Includes 120/277 Volt and normal ballast factor. | | |
| **26 01 50 52-0023** | | **12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)* | | |
| 26 01 50 52-0024 | EA | 1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast | 118.82 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0025 | EA | 2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast | 125.14 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| **26 01 50 52-0026** | | **24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)* | | |
| 26 01 50 52-0027 | EA | 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast | 156.06 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0028 | EA | 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast | 162.38 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| **26 01 50 52-0029** | | **39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)* | | |
| 26 01 50 52-0030 | EA | 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast | 156.06 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0031 | EA | 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast | 162.38 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| **26 01 50 52-0032** | | **54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)* | | |
| 26 01 50 52-0033 | EA | 1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast | 118.82 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0034 | EA | 2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast | 125.14 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| **26 01 50 52-0035** | | **Dimming, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0003)* | | |
| **26 01 50 52-0036** | | **Step Dimming, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0035)*<br>Note: Includes 120/277 Volt and normal ballast factor. | | |
| **26 01 50 52-0037** | | **28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast** *(26 01 50 52-0036)* | | |
| 26 01 50 52-0038 | EA | 2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast | 127.07 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |


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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 01 50 52-0039 | | Dimming To 5%, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0035)*<br>Note: Includes 120/277 Volt and normal ballast factor. | | | |
| 26 01 50 52-0040 | | 54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0039)* | | | |
| 26 01 50 52-0041 | EA | 1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast | | 508.80 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *7.60* | |
| 26 01 50 52-0042 | EA | 2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast | | 501.05 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *9.49* | |
| 26 01 50 52-0043 | | T8 Fluorescent Ballasts *(26 01 50 52-0002)* | | | |
| 26 01 50 52-0044 | | T8 Fluorescent Electronic Ballasts *(26 01 50 52-0043)*<br>Note: Includes 120/277 Volt and low or normal ballast factor. | | | |
| 26 01 50 52-0045 | | 17 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)* | | | |
| 26 01 50 52-0046 | EA | 1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast | | 60.98 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *7.60* | |
| | | *For High Ballast Factor, Add* | | *19.95* | |
| 26 01 50 52-0047 | EA | 1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | | 108.98 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *7.60* | |
| | | *For High Ballast Factor, Add* | | *13.12* | |
| 26 01 50 52-0048 | EA | 2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast | | 67.30 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *9.49* | |
| | | *For High Ballast Factor, Add* | | *19.95* | |
| 26 01 50 52-0049 | EA | 2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | | 115.30 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *9.49* | |
| | | *For High Ballast Factor, Add* | | *13.12* | |
| 26 01 50 52-0050 | EA | 3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast | | 82.06 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *11.39* | |
| | | *For High Ballast Factor, Add* | | *19.42* | |
| 26 01 50 52-0051 | EA | 3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | | 129.01 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *11.39* | |
| | | *For High Ballast Factor, Add* | | *11.15* | |
| 26 01 50 52-0052 | EA | 4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast | | 93.87 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *13.29* | |
| | | *For High Ballast Factor, Add* | | *49.18* | |
| 26 01 50 52-0053 | EA | 4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | | 141.08 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *13.29* | |
| | | *For High Ballast Factor, Add* | | *28.71* | |
| 26 01 50 52-0054 | | 25 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)* | | | |
| 26 01 50 52-0055 | EA | 1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast | | 60.98 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *7.60* | |
| | | *For High Ballast Factor, Add* | | *19.95* | |
| 26 01 50 52-0056 | EA | 1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | | 108.98 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *7.60* | |
| | | *For High Ballast Factor, Add* | | *13.12* | |
| 26 01 50 52-0057 | EA | 2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast | | 67.30 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *9.49* | |
| | | *For High Ballast Factor, Add* | | *19.95* | |
| 26 01 50 52-0058 | EA | 2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | | 115.30 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *9.49* | |
| | | *For High Ballast Factor, Add* | | *13.12* | |
| 26 01 50 52-0059 | EA | 3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast | | 82.06 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *11.39* | |
| | | *For High Ballast Factor, Add* | | *19.42* | |
| 26 01 50 52-0060 | EA | 3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | | 129.01 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *11.39* | |
| | | *For High Ballast Factor, Add* | | *11.15* | |
| 26 01 50 52-0061 | EA | 4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast | | 93.87 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *13.29* | |
| | | *For High Ballast Factor, Add* | | *49.18* | |
| 26 01 50 52-0062 | EA | 4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | | 141.08 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *13.29* | |
| | | *For High Ballast Factor, Add* | | *28.71* | |
| 26 01 50 52-0063 | | 28 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)* | | | |
| 26 01 50 52-0064 | EA | 1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast | | 60.98 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *7.60* | |
| | | *For High Ballast Factor, Add* | | *19.95* | |
| 26 01 50 52-0065 | EA | 1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | | 108.98 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *7.60* | |
| | | *For High Ballast Factor, Add* | | *13.12* | |
| 26 01 50 52-0066 | EA | 2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast | | 67.30 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *9.49* | |
| | | *For High Ballast Factor, Add* | | *19.95* | |
| 26 01 50 52-0067 | EA | 2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | | 115.30 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *9.49* | |
| | | *For High Ballast Factor, Add* | | *13.12* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 52-0068 | EA | 3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast | 82.06 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| | | *For High Ballast Factor, Add* | *19.42* | |
| 26 01 50 52-0069 | EA | 3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | 129.01 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| | | *For High Ballast Factor, Add* | *11.15* | |
| 26 01 50 52-0070 | EA | 4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast | 93.87 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| | | *For High Ballast Factor, Add* | *49.18* | |
| 26 01 50 52-0071 | EA | 4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | 141.08 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| | | *For High Ballast Factor, Add* | *28.71* | |
| **26 01 50 52-0072** | | **32 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)* | | |
| 26 01 50 52-0073 | EA | 1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast | 60.98 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| | | *For High Ballast Factor, Add* | *19.95* | |
| 26 01 50 52-0074 | EA | 1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | 108.98 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| | | *For High Ballast Factor, Add* | *13.12* | |
| 26 01 50 52-0075 | EA | 2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast | 67.30 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| | | *For High Ballast Factor, Add* | *19.95* | |
| 26 01 50 52-0076 | EA | 2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | 115.30 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| | | *For High Ballast Factor, Add* | *13.12* | |
| 26 01 50 52-0077 | EA | 3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast | 82.06 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| | | *For High Ballast Factor, Add* | *19.42* | |
| 26 01 50 52-0078 | EA | 3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | 129.01 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| | | *For High Ballast Factor, Add* | *11.15* | |
| 26 01 50 52-0079 | EA | 4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast | 93.87 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| | | *For High Ballast Factor, Add* | *49.18* | |
| 26 01 50 52-0080 | EA | 4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | 141.08 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| | | *For High Ballast Factor, Add* | *28.71* | |
| **26 01 50 52-0081** | | **40 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)* | | |
| 26 01 50 52-0082 | EA | 1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast | 98.81 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| | | *For High Ballast Factor, Add* | *8.53* | |
| 26 01 50 52-0083 | EA | 1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | 108.98 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| | | *For High Ballast Factor, Add* | *13.12* | |
| 26 01 50 52-0084 | EA | 2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast | 105.13 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| | | *For High Ballast Factor, Add* | *8.53* | |
| 26 01 50 52-0085 | EA | 2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | 115.30 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| | | *For High Ballast Factor, Add* | *13.12* | |
| 26 01 50 52-0086 | EA | 3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast | 131.47 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| | | *For High Ballast Factor, Add* | *5.25* | |
| 26 01 50 52-0087 | EA | 3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | 129.01 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0088 | EA | 4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast | 137.80 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| | | *For High Ballast Factor, Add* | *5.25* | |
| 26 01 50 52-0089 | EA | 4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast | 141.08 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| **26 01 50 52-0090** | | **96 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)* | | |
| 26 01 50 52-0091 | EA | 1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast | 118.82 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| | | *For High Ballast Factor, Add* | *18.27* | |
| 26 01 50 52-0092 | EA | 2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast | 125.14 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| | | *For High Ballast Factor, Add* | *18.27* | |
| **26 01 50 52-0093** | | **High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0043)* | | |
| | | Note: Includes 120/277 Volt and normal ballast factor. | | |
| **26 01 50 52-0094** | | **48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)* | | |
| 26 01 50 52-0095 | EA | 1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast | 144.57 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0096 | EA | 1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast | 189.06 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 52-0097 | EA | 2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast | 150.89 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0098 | EA | 2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast | 195.38 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| **26 01 50 52-0099** | | **60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)* | | |
| 26 01 50 52-0100 | EA | 1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast | 144.57 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0101 | EA | 1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast | 189.06 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0102 | EA | 2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast | 150.89 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0103 | EA | 2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast | 195.38 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| **26 01 50 52-0104** | | **72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)* | | |
| 26 01 50 52-0105 | EA | 1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast | 144.57 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0106 | EA | 1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast | 189.06 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0107 | EA | 2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast | 150.89 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0108 | EA | 2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast | 195.38 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| **26 01 50 52-0109** | | **96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)* | | |
| 26 01 50 52-0110 | EA | 1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast | 144.57 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0111 | EA | 1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast | 189.06 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0112 | EA | 2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast | 150.89 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0113 | EA | 2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast | 195.38 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| **26 01 50 52-0114** | | **Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0043)* | | |
| **26 01 50 52-0115** | | **Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)* | | |
| | | Note: Includes 120/277 Volt and high ballast factor. | | |
| **26 01 50 52-0116** | | **17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)* | | |
| 26 01 50 52-0117 | EA | 1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 71.51 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0118 | EA | 2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 77.83 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0119 | EA | 3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 89.64 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0120 | EA | 4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 108.14 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0121 | EA | 5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 162.96 | 50.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0122 | EA | 6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 169.29 | 56.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.09* | |
| **26 01 50 52-0123** | | **25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)* | | |
| 26 01 50 52-0124 | EA | 1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 71.51 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0125 | EA | 2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 77.83 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0126 | EA | 3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 89.64 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0127 | EA | 4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 108.14 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0128 | EA | 5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 162.96 | 50.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0129 | EA | 6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 169.29 | 56.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.09* | |
| **26 01 50 52-0130** | | **28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)* | | |
| 26 01 50 52-0131 | EA | 1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 71.51 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0132 | EA | 2 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 77.83 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0133 | EA | 3 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 89.64 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 52-0134 | EA | 4 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 108.14 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0135 | EA | 5 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 162.96 | 50.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0136 | EA | 6 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 169.29 | 56.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.09* | |
| **26 01 50 52-0137** | | **32 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)* | | |
| 26 01 50 52-0138 | EA | 1 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 71.51 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0139 | EA | 2 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 77.83 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0140 | EA | 3 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 89.64 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0141 | EA | 4 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 108.14 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0142 | EA | 5 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 162.96 | 50.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0143 | EA | 6 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 169.29 | 56.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.09* | |
| **26 01 50 52-0144** | | **40 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)* | | |
| 26 01 50 52-0145 | EA | 1 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 71.51 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0146 | EA | 2 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 77.83 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0147 | EA | 3 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 89.64 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0148 | EA | 4 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 108.14 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0149 | EA | 5 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 162.96 | 50.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0150 | EA | 6 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast | 169.29 | 56.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.09* | |
| **26 01 50 52-0151** | | **Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)* | | |
| | | Note: Includes 120/277 Volt and high ballast factor. | | |
| **26 01 50 52-0152** | | **17 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)* | | |
| 26 01 50 52-0153 | EA | 1 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 71.51 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0154 | EA | 2 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 77.83 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0155 | EA | 3 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 87.19 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0156 | EA | 4 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 108.14 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0157 | EA | 5 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 155.20 | 50.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0158 | EA | 6 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 161.53 | 56.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.09* | |
| **26 01 50 52-0159** | | **25 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)* | | |
| 26 01 50 52-0160 | EA | 1 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 71.51 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0161 | EA | 2 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 77.83 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0162 | EA | 3 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 87.19 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0163 | EA | 4 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 108.14 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0164 | EA | 5 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 155.20 | 50.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0165 | EA | 6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 161.53 | 56.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.09* | |
| **26 01 50 52-0166** | | **28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)* | | |
| 26 01 50 52-0167 | EA | 1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 71.51 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0168 | EA | 2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 77.83 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0169 | EA | 3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 87.19 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0170 | EA | 4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 108.14 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0171 | EA | 5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 155.20 | 50.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 52-0172 | EA | 6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 161.53 | 56.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.09* | |

### 26 01 50 52-0173 32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0174 | EA | 1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 71.51 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0175 | EA | 2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 77.83 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0176 | EA | 3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 87.19 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0177 | EA | 4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 108.14 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0178 | EA | 5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 155.20 | 50.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0179 | EA | 6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 161.53 | 56.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.09* | |

### 26 01 50 52-0180 40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0181 | EA | 1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 71.51 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0182 | EA | 2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 77.83 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0183 | EA | 3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 87.19 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0184 | EA | 4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 108.14 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0185 | EA | 5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 155.20 | 50.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0186 | EA | 6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast | 161.53 | 56.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.09* | |

### 26 01 50 52-0187 Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*

Note: Includes 120/277 Volt and normal ballast factor.

### 26 01 50 52-0188 17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0189 | EA | 1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 178.69 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0190 | EA | 2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 185.01 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0191 | EA | 3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 221.03 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0192 | EA | 4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 227.36 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |

### 26 01 50 52-0193 25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0194 | EA | 1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 178.69 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0195 | EA | 2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 185.01 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0196 | EA | 3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 221.03 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0197 | EA | 4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 227.36 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |

### 26 01 50 52-0198 28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0199 | EA | 1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 178.69 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0200 | EA | 2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 185.01 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0201 | EA | 3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 221.03 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0202 | EA | 4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 227.36 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |

### 26 01 50 52-0203 32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0204 | EA | 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 178.69 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0205 | EA | 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 185.01 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0206 | EA | 3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 221.03 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0207 | EA | 4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast | 227.36 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |

### 26 01 50 52-0208 T10 Fluorescent Ballasts *(26 01 50 52-0002)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 52-0209 | | T10 Fluorescent Electronic Ballasts *(26 01 50 52-0208)* Note: Includes 120/277 Volt and normal ballast factor. | | |
| 26 01 50 52-0210 | | 40 Watt, T10 Fluorescent Electronic Ballasts *(26 01 50 52-0209)* | | |
| 26 01 50 52-0211 | EA | 1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast | 87.33 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0212 | EA | 2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast | 93.65 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0213 | EA | 3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast | 114.90 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0214 | | T12 Fluorescent Ballasts *(26 01 50 52-0002)* | | |
| 26 01 50 52-0215 | | T12 Fluorescent Electronic Ballasts *(26 01 50 52-0214)* Note: Includes 120/277 Volt and normal ballast factor. | | |
| 26 01 50 52-0216 | | 25 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)* | | |
| 26 01 50 52-0217 | EA | 1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast | 60.98 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0218 | EA | 1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 87.33 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0219 | EA | 2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast | 67.30 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0220 | EA | 2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 93.65 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0221 | EA | 3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast | 82.06 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0222 | EA | 4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast | 93.87 | 44.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0223 | | 30 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)* | | |
| 26 01 50 52-0224 | EA | 1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 87.33 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0225 | EA | 2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 93.65 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0226 | EA | 3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 114.90 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0227 | | 34 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)* | | |
| 26 01 50 52-0228 | EA | 1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 87.33 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0229 | EA | 2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 93.65 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0230 | EA | 3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 114.90 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0231 | | 40 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)* | | |
| 26 01 50 52-0232 | EA | 1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 87.33 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0233 | EA | 2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 93.65 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0234 | EA | 3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 114.90 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0235 | | 96 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)* | | |
| 26 01 50 52-0236 | EA | 1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 110.13 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0237 | EA | 2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast | 125.14 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0238 | | High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0214)* Note: Includes 120/277 Volt and normal ballast factor. | | |
| 26 01 50 52-0239 | | 48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0238)* | | |
| 26 01 50 52-0240 | EA | 1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast | 145.07 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0241 | EA | 2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast | 151.39 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0242 | | 60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0238)* | | |
| 26 01 50 52-0243 | EA | 1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast | 145.07 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0244 | EA | 2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast | 151.39 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 01 50 52-0245** | | **72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)* | | |
| 26 01 50 52-0246 | EA | 1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast | 145.07 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0247 | EA | 2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast | 151.39 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| **26 01 50 52-0248** | | **96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)* | | |
| 26 01 50 52-0249 | EA | 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast | 145.07 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0250 | EA | 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast | 151.39 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| **26 01 50 52-0251** | | **Emergency Fluorescent Ballasts** *(26 01 50 52-0002)* | | |
| | | Note: 120/277 Volt. | | |
| 26 01 50 52-0252 | EA | 350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100) | 225.89 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0253 | EA | 600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60) | 376.75 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0254 | EA | 1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50) | 470.28 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0255 | EA | 600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A) | 345.48 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0256 | EA | 2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33) | 1,652.81 | 37.97 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-55.69* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.71* | |
| 26 01 50 52-0257 | EA | 225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54) | 477.58 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0258 | EA | 325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG) | 805.77 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0259 | EA | 300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG) | 439.48 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0260 | EA | 200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413) | 602.94 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0261 | EA | 300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463) | 465.64 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0262 | EA | 450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426) | 526.61 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0263 | EA | 1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500) | 570.61 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0264 | EA | 600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600) | 478.84 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0265 | EA | 600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700) | 486.70 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0266 | EA | 500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900) | 423.09 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0267 | EA | 300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C) | 439.48 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0268 | EA | 450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400) | 429.95 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0269 | EA | 1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST) | 792.97 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 52-0270 | EA | 1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST) | 993.66 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0271 | EA | 1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT) | 1,866.59 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0272 | EA | 1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT) | 1,294.10 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0273 | EA | 1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48) | 654.03 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-53.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.95* | |
| 26 01 50 52-0274 | EA | 1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1) | 850.73 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0275 | EA | 250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD) | 4,796.03 | 31.64 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |

### 26 01 50 52-0276 LED Emergency Ballasts *(26 01 50 52-0001)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0277 | EA | Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L) | 169.21 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0278 | EA | Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST) | 257.17 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0279 | EA | Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C) | 309.92 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0280 | EA | Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310) | 347.58 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0281 | EA | Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718) | 357.10 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0282 | EA | Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV) | 467.35 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |
| 26 01 50 52-0283 | EA | Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ) | 555.80 | 25.32 |
| | | *For Factory Installation In New Fixtures, Deduct* | *-50.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.19* | |

### 26 01 50 52-0284 Compact Fluorescent Ballasts *(26 01 50 52-0001)*

### 26 01 50 52-0285 Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)*

Note: Includes 120/277 Volt and normal ballast factor.

### 26 01 50 52-0286 18 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0287 | EA | 1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast | 134.24 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0288 | EA | 2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast | 140.56 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |

### 26 01 50 52-0289 26 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0290 | EA | 1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast | 134.24 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0291 | EA | 2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast | 140.56 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |

### 26 01 50 52-0292 32 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0293 | EA | 1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast | 167.21 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0294 | EA | 2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast | 173.53 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |

### 26 01 50 52-0295 40 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 52-0296 | EA | 1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast | 130.30 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0297 | EA | 1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast | 167.21 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0298 | EA | 2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast | 247.39 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0299 | EA | 2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast | 173.53 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0300 | EA | 3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast | 292.30 | 37.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.39* | |
| 26 01 50 52-0301 | | 42 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)* | | |
| 26 01 50 52-0302 | EA | 1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast | 167.21 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0303 | EA | 2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast | 173.53 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0304 | | 55 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)* | | |
| 26 01 50 52-0305 | EA | 1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast | 167.21 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0306 | EA | 2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast | 173.53 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0307 | | Dimming, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)* | | |
| 26 01 50 52-0308 | | Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0307)*<br>Note: Includes 120/277 Volt and normal ballast factor. | | |
| 26 01 50 52-0309 | | 18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)* | | |
| 26 01 50 52-0310 | EA | 1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast | 251.53 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0311 | EA | 2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast | 257.85 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0312 | | 26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)* | | |
| 26 01 50 52-0313 | EA | 1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast | 251.53 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0314 | EA | 2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast | 257.85 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0315 | | 32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)* | | |
| 26 01 50 52-0316 | EA | 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast | 251.53 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0317 | EA | 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast | 276.05 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0318 | | 40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)* | | |
| 26 01 50 52-0319 | EA | 2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast | 276.05 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0320 | | 42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)* | | |
| 26 01 50 52-0321 | EA | 1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast | 251.53 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0322 | EA | 2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast | 276.05 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0323 | | 55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)* | | |
| 26 01 50 52-0324 | EA | 1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast | 404.08 | 25.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0325 | EA | 2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast | 453.21 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0326 | | High Intensity Discharge (HID) Ballasts *(26 01 50 52-0001)* | | |
| 26 01 50 52-0327 | | Magnetic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)* | | |
| 26 01 50 52-0328 | | Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)* | | |
| 26 01 50 52-0329 | | Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 52-0330 | EA | 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 168.63 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0331 | EA | 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 172.65 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0332 | EA | 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 172.65 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0333 | EA | 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 161.20 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0334 | EA | 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 161.20 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0335 | EA | 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 237.91 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0336 | EA | 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 237.91 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0337 | EA | 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 305.48 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0338 | EA | 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 339.94 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |

### 26 01 50 52-0339 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0340 | EA | 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 152.74 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0341 | EA | 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 161.73 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0342 | EA | 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 157.85 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0343 | EA | 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 184.87 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0344 | EA | 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 181.01 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0345 | EA | 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 206.08 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0346 | EA | 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 206.08 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0347 | EA | 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 247.78 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0348 | EA | 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 247.78 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0349 | EA | 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 394.11 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0350 | EA | 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast | 394.11 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |

### 26 01 50 52-0351 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0352 | EA | Single Mounting Bracket For Core And Coil Type | 18.80 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.80* | |
| 26 01 50 52-0353 | EA | Double Mounting Bracket For Core And Coil Type | 31.33 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.70* | |

### 26 01 50 52-0354 F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

### 26 01 50 52-0355 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0356 | EA | 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast | 212.91 | 31.64 |
| | | *For Pulse Start Ballast, Add* | *16.86* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0357 | EA | 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast | 224.06 | 31.64 |
| | | *For Pulse Start Ballast, Add* | *17.98* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0358 | EA | 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast | 204.46 | 31.64 |
| | | *For Pulse Start Ballast, Add* | *16.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0359 | EA | 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast | 236.67 | 31.64 |
| | | *For Pulse Start Ballast, Add* | *19.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0360 | EA | 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast | 326.92 | 31.64 |
| | | *For Pulse Start Ballast, Add* | *28.26* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |

### 26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0362 | EA | 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast | 255.17 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0363 | EA | 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast | 272.56 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |

### 26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 01 50 52-0365** | | **Metal Halide, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0364)* | | |
| 26 01 50 52-0366 | EA | 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast | 421.83 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| **26 01 50 52-0367** | | **High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0364)* | | |
| 26 01 50 52-0368 | EA | 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast | 647.52 | 31.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.26* | |
| 26 01 50 52-0369 | EA | 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast | 721.63 | 31.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.26* | |
| 26 01 50 52-0370 | EA | 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast | 695.99 | 31.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.26* | |
| **26 01 50 52-0371** | | **Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)* | | |
| **26 01 50 52-0372** | | **Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0371)* | | |
| 26 01 50 52-0373 | EA | 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast | 518.37 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0374 | EA | 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast | 587.76 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0375 | EA | 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast | 774.92 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0376 | EA | 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast | 770.89 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0377 | EA | 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast | 1,078.59 | 34.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.05* | |
| 26 01 50 52-0378 | EA | 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast | 1,078.59 | 34.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.05* | |
| 26 01 50 52-0379 | EA | 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast | 743.35 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0380 | EA | 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast | 873.79 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| **26 01 50 52-0381** | | **High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0371)* | | |
| 26 01 50 52-0382 | EA | 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast | 963.48 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0383 | EA | 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast | 917.51 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0384 | EA | 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast | 1,178.14 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0385 | EA | 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast | 1,178.14 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| **26 01 50 52-0386** | | **Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)* | | |
| **26 01 50 52-0387** | | **Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0386)* | | |
| 26 01 50 52-0388 | EA | 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast | 581.96 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0389 | EA | 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast | 628.28 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0390 | EA | 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast | 623.72 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0391 | EA | 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast | 654.75 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0392 | EA | 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast | 1,038.12 | 34.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.05* | |
| 26 01 50 52-0393 | EA | 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast | 1,275.08 | 34.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.05* | |
| 26 01 50 52-0394 | EA | 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast | 968.87 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0395 | EA | 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast | 882.47 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| **26 01 50 52-0396** | | **High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0386)* | | |
| 26 01 50 52-0397 | EA | 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast | 750.03 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0398 | EA | 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast | 808.45 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0399 | EA | 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast | 1,205.10 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 52-0400 | EA | 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast | 1,037.51 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |

### 26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*

### 26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts *(26 01 50 52-0401)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0403 | EA | 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast | 235.12 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0404 | EA | 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast | 235.12 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0405 | EA | 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast | 264.40 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0406 | EA | 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast | 674.72 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0407 | EA | 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast | 674.72 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0408 | EA | 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast | 674.72 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0409 | EA | 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast | 674.72 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0410 | EA | 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast | 674.72 | 31.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |

### 26 01 50 52-0411 Owner Supplied Ballasts *(26 01 50 52-0001)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 52-0412 | EA | Install Owner Supplied, 1 Lamp Fluorescent Ballast | 25.32 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 01 50 52-0413 | EA | Install Owner Supplied, 2 Lamp Fluorescent Ballast | 31.64 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.49* | |
| 26 01 50 52-0414 | EA | Install Owner Supplied, 3 Lamp Fluorescent Ballast | 36.71 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.01* | |
| 26 01 50 52-0415 | EA | Install Owner Supplied, 4 Lamp Fluorescent Ballast | 39.24 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.77* | |
| 26 01 50 52-0416 | EA | Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast | 44.30 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.29* | |
| 26 01 50 52-0417 | EA | Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast | 46.84 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.05* | |

## 26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

### 26 01 50 53-0001 Lens and Accessory Replacement *(26 01 50 53)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 53-0002 | EA | Removal And Replacement Of Parabolic Aluminum Louver | 85.97 | |
| 26 01 50 53-0003 | EA | Removal And Replacement Of Visor For Fixtures | 192.89 | |
| 26 01 50 53-0004 | EA | Removal And Replacement Of Globe On Pole | 215.35 | |
| 26 01 50 53-0005 | EA | Removal And Replacement Of Lenses For Flat Top Pole Fixtures | 91.95 | |
| 26 01 50 53-0006 | EA | Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser | 31.77 | |
| 26 01 50 53-0007 | EA | Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser | 32.82 | |
| 26 01 50 53-0008 | EA | Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser | 37.36 | |
| 26 01 50 53-0009 | EA | Removal And Replacement Of Slide-On Lampholder | 14.27 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.79* | |
| 26 01 50 53-0010 | EA | Removal And Replacement Of Screw Mount Lampholder | 14.44 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.79* | |
| 26 01 50 53-0011 | EA | Removal And Replacement Of Medium Bi-Pin Lampholder | 15.82 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.79* | |
| 26 01 50 53-0012 | EA | Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type | 17.95 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.79* | |
| 26 01 50 53-0013 | EA | Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type | 19.34 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.79* | |
| 26 01 50 53-0014 | EA | Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in | 15.61 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.79* | |
| 26 01 50 53-0015 | EA | Removal And Replacement Of Exterior Light Globes | 61.52 | |

## 26 01 50 54 Light Fixture Driver Replacement *(26 01 50)*

### 26 01 50 54-0001 Factory Replacement Of Light Fixture Driver *(26 01 50 54)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 54-0002 | EA | Factory Replacement Of Existing Flight Fixture Transformers To 480 Volt<br>Note: Includes shipping to manufacture, factory re-work, parts, return shipping. | 1,338.69 | |

## 26 01 50 71 Historic Lighting Restoration *(26 01 50)*

### 26 01 50 71-0001 Historic Lighting Restoration *(26 01 50 71)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 71-0002 | LS | Remove, Restore, And Reinstall Historic Decorative Light Fixtures<br>Note: Remove, Restore, and Reinstall (9) Original Decorative Light fixtures per the "Secretary of the Interior's Standards for Rehabilitation" published in the most current edition of the United States National Park Service in "The Secretary of the Interior's Standards for the Treatment of Historic Properties." Include one (1) mock up, Re-sculpting of missing ornamental woodwork, cleaning, refinishing exterior woodwork, installing new wax paper finish on two lights and using salvaged light paper to repair (3) additional lights including faux finishing to match the original distressed paper patina finish, and re-lamp with new LED bulbs. | 27,400.00 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 26 01 50 81 Luminaire Replacement *(26 01 50)*

### 26 01 50 81-0001 Retrofit Lighting Fixtures *(26 01 50 81)*

### 26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures *(26 01 50 81-0001)*

### 26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0004 | EA | 7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927) | 104.77 | |
| 26 01 50 81-0005 | EA | 7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930) | 104.77 | |
| 26 01 50 81-0006 | EA | 7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940) | 104.77 | |
| 26 01 50 81-0007 | EA | 4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827) | 87.88 | |
| 26 01 50 81-0008 | EA | 4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830) | 87.88 | |
| 26 01 50 81-0009 | EA | 4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840) | 87.88 | |
| 26 01 50 81-0010 | EA | 6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827) | 94.99 | |
| 26 01 50 81-0011 | EA | 6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830) | 94.99 | |
| 26 01 50 81-0012 | EA | 6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840) | 94.99 | |

### 26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0014 | EA | 2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w) | 294.52 | |
| 26 01 50 81-0015 | EA | 3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w) | 305.19 | |
| 26 01 50 81-0016 | EA | 4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w) | 315.85 | |
| 26 01 50 81-0017 | EA | 5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w) | 329.03 | |
| 26 01 50 81-0018 | EA | 6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w) | 360.14 | |
| 26 01 50 81-0019 | EA | 7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w) | 373.33 | |
| 26 01 50 81-0020 | EA | 8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w) | 402.66 | |
| 26 01 50 81-0021 | EA | 9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w) | 413.32 | |
| 26 01 50 81-0022 | EA | 10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w) | 426.51 | |
| 26 01 50 81-0023 | EA | 11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w) | 446.06 | |
| 26 01 50 81-0024 | EA | 12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w) | 467.25 | |
| 26 01 50 81-0025 | EA | 13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w) | 487.69 | |
| 26 01 50 81-0026 | EA | 14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w) | 498.36 | |
| 26 01 50 81-0027 | EA | 16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w) | 516.13 | |
| 26 01 50 81-0028 | EA | 17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w) | 537.69 | |
| 26 01 50 81-0029 | EA | 18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w) | 559.90 | |
| 26 01 50 81-0030 | EA | 19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w) | 593.67 | |
| 26 01 50 81-0031 | EA | 20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w) | 608.78 | |
| 26 01 50 81-0032 | EA | 21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w) | 635.31 | |
| 26 01 50 81-0033 | EA | 22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w) | 669.97 | |
| 26 01 50 81-0034 | EA | 23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w) | 687.74 | |
| 26 01 50 81-0035 | EA | 24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w) | 730.62 | |
| 26 01 50 81-0036 | EA | 25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w) | 769.73 | |
| 26 01 50 81-0037 | EA | 26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w) | 797.14 | |
| 26 01 50 81-0038 | EA | 27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w) | 835.35 | |
| 26 01 50 81-0039 | EA | 28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w) | 909.87 | |
| 26 01 50 81-0040 | EA | 29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w) | 918.76 | |
| 26 01 50 81-0041 | EA | 31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w) | 942.10 | |

### 26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0043 | EA | 20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35)<br>Note: Fits 1' x 4' Troffer/Strip | 128.89 | |
| 26 01 50 81-0044 | EA | 20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40)<br>Note: Fits 1' x 4' Troffer/Strip | 128.89 | |
| 26 01 50 81-0045 | EA | 20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50)<br>Note: Fits 1' x 4' Troffer/Strip | 128.89 | |
| 26 01 50 81-0046 | EA | 30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35)<br>Note: Fits 2' x 4' Troffer/Strip | 133.34 | |
| 26 01 50 81-0047 | EA | 2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40)<br>Note: Fits 2' x 4' Troffer/Strip | 133.34 | |
| 26 01 50 81-0048 | EA | 2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50)<br>Note: Fits 2' x 4' Troffer/Strip | 133.34 | |
| 26 01 50 81-0049 | EA | 2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35)<br>Note: Fits 2' x 4' Troffer/Strip | 142.22 | |
| 26 01 50 81-0050 | EA | 2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40)<br>Note: Fits 2' x 4' Troffer/Strip | 142.22 | |
| 26 01 50 81-0051 | EA | 2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50)<br>Note: Fits 2' x 4' Troffer/Strip | 142.22 | |
| 26 01 50 81-0052 | EA | 3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35)<br>Note: Fits 2' x 4' Troffer/Strip | 133.34 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 81-0053 | EA | 3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40)<br>Note: Fits 2' x 4' Troffer/Strip | 133.34 | |
| 26 01 50 81-0054 | EA | 3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50)<br>Note: Fits 2' x 4' Troffer/Strip | 133.34 | |
| 26 01 50 81-0055 | EA | 3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35)<br>Note: Fits 2' x 4' Troffer/Strip | 142.22 | |
| 26 01 50 81-0056 | EA | 3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40)<br>Note: Fits 2' x 4' Troffer/Strip | 142.22 | |
| 26 01 50 81-0057 | EA | 3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50)<br>Note: Fits 2' x 4' Troffer/Strip | 142.22 | |
| 26 01 50 81-0058 | EA | 3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35)<br>Note: Fits 2' x 4' Troffer/Strip | 160.00 | |
| 26 01 50 81-0059 | EA | 3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40)<br>Note: Fits 2' x 4' Troffer/Strip | 160.00 | |
| 26 01 50 81-0060 | EA | 3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50)<br>Note: Fits 2' x 4' Troffer/Strip | 160.00 | |
| 26 01 50 81-0061 | EA | 1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35)<br>Note: Fits 1' x 2' Troffer/Strip | 128.89 | |
| 26 01 50 81-0062 | EA | 1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40)<br>Note: Fits 1' x 2' Troffer/Strip | 128.89 | |
| 26 01 50 81-0063 | EA | 1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50)<br>Note: Fits 1' x 2' Troffer/Strip | 128.89 | |
| 26 01 50 81-0064 | EA | 2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35)<br>Note: Fits 2' x 2' Troffer/Strip | 128.89 | |
| 26 01 50 81-0065 | EA | 2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40)<br>Note: Fits 2' x 2' Troffer/Strip | 128.89 | |
| 26 01 50 81-0066 | EA | 2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50)<br>Note: Fits 2' x 2' Troffer/Strip | 128.89 | |
| 26 01 50 81-0067 | EA | 3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35)<br>Note: Fits 2' x 2' Troffer/Strip | 133.34 | |
| 26 01 50 81-0068 | EA | 3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40)<br>Note: Fits 2' x 2' Troffer/Strip | 133.34 | |
| 26 01 50 81-0069 | EA | 3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50)<br>Note: Fits 2' x 2' Troffer/Strip | 133.34 | |
| 26 01 50 81-0070 | EA | 3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35)<br>Note: Fits 2' x 2' Troffer/Strip | 138.67 | |
| 26 01 50 81-0071 | EA | 3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40)<br>Note: Fits 2' x 2' Troffer/Strip | 138.67 | |
| 26 01 50 81-0072 | EA | 3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50)<br>Note: Fits 2' x 2' Troffer/Strip | 138.67 | |
| 26 01 50 81-0073 | | LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) *(26 01 50 81-0002)*<br>Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling. | | |
| 26 01 50 81-0074 | EA | 34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN) | 275.31 | |
| 26 01 50 81-0075 | EA | 34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN) | 275.31 | |
| 26 01 50 81-0076 | EA | 26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN) | 249.54 | |
| 26 01 50 81-0077 | EA | 26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN) | 249.54 | |
| 26 01 50 81-0078 | EA | 25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV)<br>Note: No sensor, ZigBee ready driver | 129.69 | |
| 26 01 50 81-0079 | EA | 25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV)<br>Note: No sensor, ZigBee ready driver | 129.69 | |
| 26 01 50 81-0080 | EA | 31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV)<br>Note: No sensor, ZigBee ready driver | 146.58 | |
| 26 01 50 81-0081 | EA | 31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV)<br>Note: No sensor, ZigBee ready driver | 146.58 | |
| 26 01 50 81-0082 | EA | 25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV)<br>Note: Factory installed sensor and ZigBee dongle | 159.02 | |
| 26 01 50 81-0083 | EA | 25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV)<br>Note: Factory installed sensor and ZigBee dongle | 159.02 | |
| 26 01 50 81-0084 | EA | 31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV)<br>Note: Factory installed sensor and ZigBee dongle | 163.46 | |
| 26 01 50 81-0085 | EA | 31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV)<br>Note: Factory installed sensor and ZigBee dongle | 163.46 | |
| 26 01 50 81-0086 | EA | 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120)<br>Note: No sensor, ZigBee ready driver | 103.92 | |
| 26 01 50 81-0087 | EA | 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120)<br>Note: No sensor, ZigBee ready driver | 103.92 | |
| 26 01 50 81-0088 | EA | 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880)<br>Note: No sensor, ZigBee ready driver | 114.59 | |
| 26 01 50 81-0089 | EA | 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880)<br>Note: No sensor, ZigBee ready driver | 114.59 | |
| 26 01 50 81-0090 | EA | 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L)<br>Note: No sensor, ZigBee ready driver | 106.59 | |
| 26 01 50 81-0091 | EA | 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L)<br>Note: No sensor, ZigBee ready driver | 106.59 | |
| 26 01 50 81-0092 | EA | 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L)<br>Note: No sensor, ZigBee ready driver | 117.25 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 81-0093 | EA | 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L)<br>Note: No sensor, ZigBee ready driver | 117.25 | |
| 26 01 50 81-0094 | EA | 6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450)<br>Note: No sensor, ZigBee ready driver | 105.70 | |
| 26 01 50 81-0095 | EA | 6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450)<br>Note: No sensor, ZigBee ready driver | 105.70 | |
| 26 01 50 81-0096 | EA | 8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000)<br>Note: No sensor, ZigBee ready driver | 113.70 | |
| 26 01 50 81-0097 | EA | 8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000)<br>Note: No sensor, ZigBee ready driver | 113.70 | |

### 26 01 50 81-0098 LED Lighting Retrofit Accessories (LG) *(26 01 50 81-0002)*

See CSI section 02 84 16 00-0003 for ballast recycling.

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0099 | EA | Dongle (LG LGE-DONGLE) | 25.84 | |
| 26 01 50 81-0100 | EA | 1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B) | 141.29 | 14.40 |
| 26 01 50 81-0101 | EA | 2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B) | 147.05 | 17.27 |
| 26 01 50 81-0102 | EA | 1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B) | 181.47 | 14.40 |
| 26 01 50 81-0103 | EA | 2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B) | 187.23 | 17.27 |
| 26 01 50 81-0104 | EA | Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR) | 93.35 | 11.52 |
| 26 01 50 81-0105 | EA | Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP) | 31.32 | 11.52 |
| 26 01 50 81-0106 | EA | Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE) | 33.67 | 11.52 |
| 26 01 50 81-0107 | EA | Wireless Interface Module (LG PIHN-W005A)<br>Note: includes dongle | 87.79 | 17.27 |

### 26 01 50 81-0108 Retrofit Existing (T12) Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.

### 26 01 50 81-0109 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector *(26 01 50 81-0108)*

Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0110 | EA | Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp | 114.44 | |
| | | *For Specular Ballast Cover, Add* | *14.05* | |
| 26 01 50 81-0111 | EA | Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps | 121.40 | |
| | | *For Specular Ballast Cover, Add* | *15.44* | |
| 26 01 50 81-0112 | EA | Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps | 164.09 | |
| | | *For Specular Ballast Cover, Add* | *23.98* | |
| 26 01 50 81-0113 | EA | Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps | 189.42 | |
| | | *For Specular Ballast Cover, Add* | *29.05* | |

### 26 01 50 81-0114 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector *(26 01 50 81-0108)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0115 | EA | Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp | 120.72 | |
| | | *For Specular Reflector, Add* | *17.05* | |
| 26 01 50 81-0116 | EA | Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps | 128.43 | |
| | | *For Specular Reflector, Add* | *17.05* | |
| 26 01 50 81-0117 | EA | Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps | 172.88 | |
| | | *For Specular Reflector, Add* | *17.05* | |
| 26 01 50 81-0118 | EA | Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps | 223.38 | |
| | | *For Specular Reflector, Add* | *17.05* | |

### 26 01 50 81-0119 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures *(26 01 50 81-0108)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0120 | EA | Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps | 149.67 | |
| | | *For Specular Reflector, Add* | *17.05* | |
| 26 01 50 81-0121 | EA | Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps | 156.63 | |
| | | *For Specular Reflector, Add* | *17.05* | |
| 26 01 50 81-0122 | EA | Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps | 159.52 | |
| | | *For Specular Reflector, Add* | *17.05* | |
| 26 01 50 81-0123 | EA | Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps | 178.86 | |
| | | *For Specular Reflector, Add* | *17.05* | |
| 26 01 50 81-0124 | EA | Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps | 219.17 | |
| | | *For Specular Reflector, Add* | *17.05* | |
| 26 01 50 81-0125 | EA | Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps | 164.17 | |
| | | *For Specular Reflector, Add* | *17.05* | |
| 26 01 50 81-0126 | EA | Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps | 180.82 | |
| | | *For Specular Reflector, Add* | *17.05* | |
| 26 01 50 81-0127 | EA | Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps | 194.51 | |
| | | *For Specular Reflector, Add* | *17.05* | |

### 26 01 50 81-0128 Retrofit Existing Recessed Lay-In/Troffer Fixtures *(26 01 50 81-0001)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 81-0129 | | Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) *(26 01 50 81-0128)* Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling. | | |
| 26 01 50 81-0130 | EA | 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R) | 168.70 | |
| 26 01 50 81-0131 | EA | 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R) | 168.70 | |
| 26 01 50 81-0132 | EA | 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R) | 168.70 | |
| 26 01 50 81-0133 | EA | 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R) | 182.88 | |
| 26 01 50 81-0134 | EA | 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) | 168.70 | |
| 26 01 50 81-0135 | EA | 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) | 168.70 | |
| 26 01 50 81-0136 | EA | 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) | 168.70 | |
| 26 01 50 81-0137 | EA | 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) | 182.88 | |
| 26 01 50 81-0138 | EA | 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R) | 169.72 | |
| 26 01 50 81-0139 | EA | 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R) | 169.72 | |
| 26 01 50 81-0140 | EA | 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R) | 169.72 | |
| 26 01 50 81-0141 | EA | 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R) | 183.91 | |
| 26 01 50 81-0142 | EA | 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) | 169.72 | |
| 26 01 50 81-0143 | EA | 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) | 169.72 | |
| 26 01 50 81-0144 | EA | 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) | 169.72 | |
| 26 01 50 81-0145 | EA | 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) | 183.91 | |
| 26 01 50 81-0146 | | LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 81-0128)* Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling. | | |
| 26 01 50 81-0147 | EA | 2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025) | 230.56 | |
| 26 01 50 81-0148 | EA | 4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045) | 240.21 | |
| 26 01 50 81-0149 | | LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 81-0128)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling. | | |
| 26 01 50 81-0150 | EA | 1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L) | 362.99 | |
| 26 01 50 81-0151 | EA | 2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L) | 371.74 | |
| 26 01 50 81-0152 | EA | 2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L) | 362.99 | |
| 26 01 50 81-0153 | EA | 3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L) | 371.74 | |
| 26 01 50 81-0154 | EA | 3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L) | 415.48 | |
| 26 01 50 81-0155 | EA | 4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L) | 428.60 | |
| 26 01 50 81-0156 | EA | 5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L) | 459.22 | |
| 26 01 50 81-0157 | | LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) *(26 01 50 81-0128)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling. | | |
| 26 01 50 81-0158 | EA | 3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST) | 336.22 | |
| 26 01 50 81-0159 | EA | 3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST) | 348.43 | |
| 26 01 50 81-0160 | EA | 3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST) | 352.08 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 81-0161 | EA | 3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST) | 364.28 | |
| 26 01 50 81-0162 | EA | 2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST) | 253.86 | |
| 26 01 50 81-0163 | EA | 4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST) | 259.66 | |
| 26 01 50 81-0164 | EA | 3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST) | 268.93 | |
| 26 01 50 81-0165 | EA | 4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST) | 274.73 | |
| 26 01 50 81-0166 | EA | 6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST) | 339.64 | |
| 26 01 50 81-0167 | EA | 8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST) | 404.54 | |

## 26 01 50 81-0168 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) *(26 01 50 81-0128)*

Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0169 | EA | 1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) | 316.66 | |
| 26 01 50 81-0170 | EA | 1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) | 228.46 | |
| 26 01 50 81-0171 | EA | 2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) | 324.74 | |
| 26 01 50 81-0172 | EA | 2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) | 236.47 | |
| 26 01 50 81-0173 | EA | 3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) | 339.40 | |
| 26 01 50 81-0174 | EA | 3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) | 258.39 | |
| 26 01 50 81-0175 | EA | 1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) | 371.32 | |
| 26 01 50 81-0176 | EA | 1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) | 282.93 | |
| 26 01 50 81-0177 | EA | 2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) | 378.90 | |
| 26 01 50 81-0178 | EA | 2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) | 290.56 | |
| 26 01 50 81-0179 | EA | 3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) | 393.39 | |
| 26 01 50 81-0180 | EA | 3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) | 312.38 | |

## 26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0182 | EA | 3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) | 670.63 | |
| 26 01 50 81-0183 | EA | 4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT) | 745.23 | |

## 26 01 50 81-0184 Retrofit Existing Fixtures With Emergency Battery Pack *(26 01 50 81-0001)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0185 | EA | 90 minute, 10 Watt, 50 VDC, Emergency Battery Pack for 2x4 LED Lighting Fixture (AcuityBrands Power Sentry® PS1050 FIK) | 525.43 | |
| 26 01 50 81-0186 | EA | 90 minute, 10 Watt, 50 VDC, Emergency Battery Pack for 2x4 LED Lighting Fixture (AcuityBrands Power Sentry® PS1055LCP M5) | 568.03 | |

## 26 01 50 81-0187 Retrofit Existing HID Fixtures *(26 01 50 81-0001)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0188 | EA | Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P) | 1,519.24 | |

## 26 01 50 81-0189 LED Lighting Retrofits For Existing Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts.

## 26 01 50 81-0190 LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0189)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0191 | EA | 2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT) | 117.54 | |
| | | *For >25 To 50, Deduct* | *-5.88* | |
| | | *For >50 To 100, Deduct* | *-10.24* | |
| | | *For >100, Deduct* | *-17.44* | |
| 26 01 50 81-0192 | EA | 2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT) | 169.59 | |
| | | *For >25 To 50, Deduct* | *-8.48* | |
| | | *For >50 To 100, Deduct* | *-14.14* | |
| | | *For >100, Deduct* | *-22.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 81-0193 | EA | 3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT) | 127.76 | |
| | | *For >25 To 50, Deduct* | *-6.39* | |
| | | *For >50 To 100, Deduct* | *-11.08* | |
| | | *For >100, Deduct* | *-18.77* | |
| 26 01 50 81-0194 | EA | 3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT) | 117.60 | |
| | | *For >25 To 50, Deduct* | *-5.88* | |
| | | *For >50 To 100, Deduct* | *-10.32* | |
| | | *For >100, Deduct* | *-17.76* | |
| 26 01 50 81-0195 | EA | 4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT) | 153.35 | |
| | | *For >25 To 50, Deduct* | *-7.67* | |
| | | *For >50 To 100, Deduct* | *-13.08* | |
| | | *For >100, Deduct* | *-21.65* | |
| 26 01 50 81-0196 | EA | 4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT) | 198.46 | |
| | | *For >25 To 50, Deduct* | *-9.92* | |
| | | *For >50 To 100, Deduct* | *-16.46* | |
| | | *For >100, Deduct* | *-26.16* | |
| 26 01 50 81-0197 | EA | 4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT) | 127.03 | |
| | | *For >25 To 50, Deduct* | *-6.35* | |
| | | *For >50 To 100, Deduct* | *-11.11* | |
| | | *For >100, Deduct* | *-19.02* | |
| 26 01 50 81-0198 | EA | 4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT) | 127.03 | |
| | | *For >25 To 50, Deduct* | *-6.35* | |
| | | *For >50 To 100, Deduct* | *-11.11* | |
| | | *For >100, Deduct* | *-19.02* | |
| 26 01 50 81-0199 | EA | 4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT) | 162.37 | |
| | | *For >25 To 50, Deduct* | *-8.12* | |
| | | *For >50 To 100, Deduct* | *-13.76* | |
| | | *For >100, Deduct* | *-22.55* | |
| 26 01 50 81-0200 | EA | 4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT) | 138.31 | |
| | | *For >25 To 50, Deduct* | *-6.92* | |
| | | *For >50 To 100, Deduct* | *-11.95* | |
| | | *For >100, Deduct* | *-20.14* | |
| 26 01 50 81-0201 | EA | 4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT) | 138.31 | |
| | | *For >25 To 50, Deduct* | *-6.92* | |
| | | *For >50 To 100, Deduct* | *-11.95* | |
| | | *For >100, Deduct* | *-20.14* | |

## 26 01 50 81-0202 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0189)*

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0203 | EA | 1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2) | 276.31 | |
| | | *For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add* | *179.91* | |
| | | *For nLight AIR radio module without sensor (nLight RIO), Add* | *116.95* | |
| | | *For >25 To 50, Deduct* | *-13.82* | |
| | | *For >50 To 100, Deduct* | *-22.30* | |
| | | *For >100, Deduct* | *-33.94* | |
| 26 01 50 81-0204 | EA | 1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2) | 297.65 | |
| | | *For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add* | *179.91* | |
| | | *For nLight AIR radio module without sensor (nLight RIO), Add* | *116.95* | |
| | | *For >25 To 50, Deduct* | *-14.88* | |
| | | *For >50 To 100, Deduct* | *-23.90* | |
| | | *For >100, Deduct* | *-36.08* | |
| 26 01 50 81-0205 | EA | 2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2) | 313.60 | |
| | | *For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add* | *179.91* | |
| | | *For nLight AIR radio module without sensor (nLight RIO), Add* | *116.95* | |
| | | *For >25 To 50, Deduct* | *-15.68* | |
| | | *For >50 To 100, Deduct* | *-25.10* | |
| | | *For >100, Deduct* | *-37.67* | |
| 26 01 50 81-0206 | EA | 2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2) | 338.52 | |
| | | *For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add* | *179.91* | |
| | | *For nLight AIR radio module without sensor (nLight RIO), Add* | *116.95* | |
| | | *For >25 To 50, Deduct* | *-16.93* | |
| | | *For >50 To 100, Deduct* | *-26.97* | |
| | | *For >100, Deduct* | *-40.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 81-0207 | EA | 2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO) | 363.42 | |
| | | *For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add* | *179.91* | |
| | | *For nLight AIR radio module without sensor (nLight RIO), Add* | *116.95* | |
| | | *For >25 To 50, Deduct* | *-18.17* | |
| | | *For >50 To 100, Deduct* | *-29.15* | |
| | | *For >100, Deduct* | *-43.92* | |
| 26 01 50 81-0208 | EA | 2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO) | 392.36 | |
| | | *For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add* | *179.91* | |
| | | *For nLight AIR radio module without sensor (nLight RIO), Add* | *116.95* | |
| | | *For >25 To 50, Deduct* | *-19.62* | |
| | | *For >50 To 100, Deduct* | *-31.32* | |
| | | *For >100, Deduct* | *-46.81* | |

## 26 01 50 81-0209 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) *(26 01 50 81-0189)*

Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.

| | | | | |
|---|---|---|---|---|
| 26 01 50 81-0210 | EA | 2' Dimmable, 20 Watts, 2,900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40) | 109.77 | |
| | | Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-5.49* | |
| | | *For >50 To 100, Deduct* | *-9.65* | |
| | | *For >100, Deduct* | *-16.66* | |
| 26 01 50 81-0211 | EA | 2' Dimmable, 20 Watts, 2,900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50) | 109.77 | |
| | | Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-5.49* | |
| | | *For >50 To 100, Deduct* | *-9.65* | |
| | | *For >100, Deduct* | *-16.66* | |
| 26 01 50 81-0212 | EA | 4' Dimmable, 32 Watts, 5,000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40) | 144.44 | |
| | | Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-7.22* | |
| | | *For >50 To 100, Deduct* | *-12.41* | |
| | | *For >100, Deduct* | *-20.76* | |
| 26 01 50 81-0213 | EA | 4' Dimmable, 32 Watts, 5,000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50) | 144.44 | |
| | | Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-7.22* | |
| | | *For >50 To 100, Deduct* | *-12.41* | |
| | | *For >100, Deduct* | *-20.76* | |
| 26 01 50 81-0214 | EA | 4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30) | 144.56 | |
| | | Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-7.23* | |
| | | *For >50 To 100, Deduct* | *-12.42* | |
| | | *For >100, Deduct* | *-20.77* | |
| 26 01 50 81-0215 | EA | 4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F) | 157.60 | |
| | | Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-7.88* | |
| | | *For >50 To 100, Deduct* | *-13.40* | |
| | | *For >100, Deduct* | *-22.07* | |
| 26 01 50 81-0216 | EA | 4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35) | 144.56 | |
| | | Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-7.23* | |
| | | *For >50 To 100, Deduct* | *-12.42* | |
| | | *For >100, Deduct* | *-20.77* | |
| 26 01 50 81-0217 | EA | 4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F) | 157.60 | |
| | | Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-7.88* | |
| | | *For >50 To 100, Deduct* | *-13.40* | |
| | | *For >100, Deduct* | *-22.07* | |
| 26 01 50 81-0218 | EA | 4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40) | 144.56 | |
| | | Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-7.23* | |
| | | *For >50 To 100, Deduct* | *-12.42* | |
| | | *For >100, Deduct* | *-20.77* | |
| 26 01 50 81-0219 | EA | 4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F) | 157.60 | |
| | | Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-7.88* | |
| | | *For >50 To 100, Deduct* | *-13.40* | |
| | | *For >100, Deduct* | *-22.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 81-0220 | EA | 4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50) | 144.56 | |
| | | Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-7.23* | |
| | | *For >50 To 100, Deduct* | *-12.42* | |
| | | *For >100, Deduct* | *-20.77* | |
| 26 01 50 81-0221 | EA | 4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F) | 157.60 | |
| | | Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-7.88* | |
| | | *For >50 To 100, Deduct* | *-13.40* | |
| | | *For >100, Deduct* | *-22.07* | |
| 26 01 50 81-0222 | EA | 4' Dimmable, 46 Watts, 6,800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50) | 157.49 | |
| | | Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-7.87* | |
| | | *For >50 To 100, Deduct* | *-13.39* | |
| | | *For >100, Deduct* | *-22.06* | |
| 26 01 50 81-0223 | EA | 4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40) | 185.39 | |
| | | Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-9.27* | |
| | | *For >50 To 100, Deduct* | *-15.48* | |
| | | *For >100, Deduct* | *-24.85* | |
| 26 01 50 81-0224 | EA | 4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) | 201.70 | |
| | | Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-10.09* | |
| | | *For >50 To 100, Deduct* | *-16.71* | |
| | | *For >100, Deduct* | *-26.48* | |
| 26 01 50 81-0225 | EA | 4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) | 185.39 | |
| | | Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-9.27* | |
| | | *For >50 To 100, Deduct* | *-15.48* | |
| | | *For >100, Deduct* | *-24.85* | |
| 26 01 50 81-0226 | EA | 4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) | 201.70 | |
| | | Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-10.09* | |
| | | *For >50 To 100, Deduct* | *-16.71* | |
| | | *For >100, Deduct* | *-26.48* | |
| 26 01 50 81-0227 | EA | 20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800) | 200.10 | |
| | | Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts | | |
| | | *For >25 To 50, Deduct* | *-10.01* | |
| | | *For >50 To 100, Deduct* | *-15.32* | |
| | | *For >100, Deduct* | *-21.27* | |
| 26 01 50 81-0228 | EA | 20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W) | 183.61 | |
| | | Note: 90-minute emergency battery with power output of 20 Watts | | |
| | | *For >25 To 50, Deduct* | *-9.18* | |
| | | *For >50 To 100, Deduct* | *-14.09* | |
| | | *For >100, Deduct* | *-19.62* | |
| 26 01 50 81-0229 | EA | 8' Dimmable, 46 Watts, 7,400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50) | 187.84 | |
| | | Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-9.39* | |
| | | *For >50 To 100, Deduct* | *-16.14* | |
| | | *For >100, Deduct* | *-26.99* | |
| 26 01 50 81-0230 | EA | 8' Dimmable, 49 Watts, 6,680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F) | 195.99 | |
| | | Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-9.80* | |
| | | *For >50 To 100, Deduct* | *-16.75* | |
| | | *For >100, Deduct* | *-27.81* | |
| 26 01 50 81-0231 | EA | 8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40) | 276.06 | |
| | | Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-13.80* | |
| | | *For >50 To 100, Deduct* | *-22.76* | |
| | | *For >100, Deduct* | *-35.81* | |
| 26 01 50 81-0232 | EA | 8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) | 308.67 | |
| | | Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-15.43* | |
| | | *For >50 To 100, Deduct* | *-25.20* | |
| | | *For >100, Deduct* | *-39.07* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 01 50 81-0233 | EA | 8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) | 276.06 | |
| | | Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-13.80* | |
| | | *For >50 To 100, Deduct* | *-22.76* | |
| | | *For >100, Deduct* | *-35.81* | |
| 26 01 50 81-0234 | EA | 8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) | 308.67 | |
| | | Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver | | |
| | | *For >25 To 50, Deduct* | *-15.43* | |
| | | *For >50 To 100, Deduct* | *-25.20* | |
| | | *For >100, Deduct* | *-39.07* | |

### 26 01 50 99 Lighting, Facilities Maintenance and Repair *(26 01 50)*

26 01 50 99-0001 Hardwired System Emergency Light Preventative Maintenance *(26 01 50 99)*
Note: Includes all required small tools and equipment.

| | | | | |
|---|---|---|---|---|
| 26 01 50 99-0002 | EA | Annual Preventative Maintenance For Hardwired System Emergency Light | 45.92 | |
| | | Note: 1. Test For Proper Operation; Replace Lamps As Required. 2. Clean Exterior Of Cabinet And Light Heads. 3. Check Wiring For Obvious Defects. 4. Adjust Lamp Heads For Maximum Illumination Of Area. 5. Fill Out Maintenance Checklist And Report Deficiencies. | | |

26 01 50 99-0003 Dry Cell Emergency Light Preventative Maintenance *(26 01 50 99)*
Note: Includes all required small tools and equipment.

| | | | | |
|---|---|---|---|---|
| 26 01 50 99-0004 | EA | Annual Preventative Maintenance For Dry Cell Emergency Light | 70.70 | |
| | | Note: 1. Test For Proper Operation; Remove And Install New Lamps As Required. 2. Clean Exterior Of Emergency Light Cabinet And Lamp Heads. 3. Check Condition Of Batteries And Change As Required. 4. Clean Top Of Battery And Battery Terminal; Apply Anti-Corrosion Grease. 5. Clean Interior Of Cabinet. 6. Inspect Cabinet, Relay, Relay Contacts, Pilot Light, Wiring, And General Condition. 7. Adjust Lamp Heads For Maximum Illumination Of Area. 8. Fill Out Maintenance Checklist And Report Deficiencies. | | |

## 26 05 Common Work Results for Electrical *(26)*

### 26 05 13 Medium-Voltage Cables *(26 05)*

#### 26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables *(26 05 13)*

26 05 13 16-0001 Wire And Cable *(26 05 13 16)*
Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable *(26 05 13 16-0001)*

26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

| | | | | |
|---|---|---|---|---|
| 26 05 13 16-0004 | MLF | #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 3,692.44 | 978.20 |
| 26 05 13 16-0005 | MLF | #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 4,356.09 | 1,068.11 |
| 26 05 13 16-0006 | MLF | #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 5,187.85 | 1,206.79 |
| 26 05 13 16-0007 | MLF | 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 6,719.19 | 1,486.82 |
| 26 05 13 16-0008 | MLF | 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 7,649.87 | 1,674.30 |
| 26 05 13 16-0009 | MLF | 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 9,357.39 | 1,858.42 |
| 26 05 13 16-0010 | MLF | 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 10,532.09 | 2,088.12 |
| 26 05 13 16-0011 | MLF | 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 12,477.33 | 2,323.13 |
| 26 05 13 16-0012 | MLF | 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 14,555.68 | 2,773.76 |
| 26 05 13 16-0013 | MLF | 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 18,312.64 | 3,260.49 |
| 26 05 13 16-0014 | MLF | 750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 27,120.88 | 3,842.84 |
| 26 05 13 16-0015 | MLF | 1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 35,935.27 | 4,424.92 |

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*
Note: Excludes excavation.

| | | | |
|---|---|---|---|
| 26 05 13 16-0017 | MLF | #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 3,570.17 |
| 26 05 13 16-0018 | MLF | #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 4,008.96 |
| 26 05 13 16-0019 | MLF | #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 4,493.95 |
| 26 05 13 16-0020 | MLF | 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 5,555.09 |
| 26 05 13 16-0021 | MLF | 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 6,016.98 |
| 26 05 13 16-0022 | MLF | 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 7,493.37 |
| 26 05 13 16-0023 | MLF | 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 8,093.82 |
| 26 05 13 16-0024 | MLF | 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 9,686.62 |
| 26 05 13 16-0025 | MLF | 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 10,760.40 |
| 26 05 13 16-0026 | MLF | 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 13,410.53 |

26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*

| | | | | |
|---|---|---|---|---|
| 26 05 13 16-0028 | MLF | #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 2,860.70 | 615.39 |
| 26 05 13 16-0029 | MLF | #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 3,416.30 | 659.82 |

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| | MINOR CSI UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 13 16-0030 | MLF | #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 4,358.81 | 834.40 |
| 26 05 13 16-0031 | MLF | 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 5,658.40 | 1,012.95 |
| 26 05 13 16-0032 | MLF | 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 6,582.23 | 1,189.11 |
| 26 05 13 16-0033 | MLF | 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 8,277.23 | 1,359.87 |
| 26 05 13 16-0034 | MLF | 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 9,449.15 | 1,577.83 |
| 26 05 13 16-0035 | MLF | 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 11,874.84 | 1,985.02 |
| 26 05 13 16-0036 | MLF | 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 14,207.28 | 2,511.66 |
| 26 05 13 16-0037 | MLF | 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 18,436.42 | 3,155.67 |
| **26 05 13 16-0038** | | **5 KV Non-Shielded Single Copper Conductor** *(26 05 13 16-0002)* | | |
| 26 05 13 16-0039 | MLF | 1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct | 7,990.51 | 1,949.44 |
| 26 05 13 16-0040 | MLF | 2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct | 9,151.55 | 1,977.46 |
| 26 05 13 16-0041 | MLF | 3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct | 10,312.60 | 2,005.47 |
| 26 05 13 16-0042 | MLF | 4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct | 10,734.88 | 2,049.80 |
| 26 05 13 16-0043 | MLF | 350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct | 12,778.70 | 2,128.00 |
| 26 05 13 16-0044 | MLF | 500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct | 18,043.05 | 2,230.16 |
| 26 05 13 16-0045 | MLF | 750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct | 27,748.67 | 2,787.70 |
| 26 05 13 16-0046 | MLF | 1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct | 32,149.69 | 3,716.98 |
| **26 05 13 16-0047** | | **Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct** *(26 05 13 16-0002)* | | |
| 26 05 13 16-0048 | MLF | #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 3,916.92 | 978.20 |
| 26 05 13 16-0049 | MLF | #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 4,659.55 | 1,068.11 |
| 26 05 13 16-0050 | MLF | #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 5,578.60 | 1,206.79 |
| 26 05 13 16-0051 | MLF | #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 6,418.92 | 1,346.73 |
| 26 05 13 16-0052 | MLF | 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 7,259.60 | 1,486.82 |
| 26 05 13 16-0053 | MLF | 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 8,273.41 | 1,674.30 |
| 26 05 13 16-0054 | MLF | 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 10,205.41 | 1,858.42 |
| 26 05 13 16-0055 | MLF | 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 11,488.19 | 2,088.12 |
| 26 05 13 16-0056 | MLF | 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 13,677.86 | 2,323.13 |
| 26 05 13 16-0057 | MLF | 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 15,927.48 | 2,773.76 |
| 26 05 13 16-0058 | MLF | 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 20,141.70 | 3,260.49 |
| 26 05 13 16-0059 | MLF | 750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 30,273.99 | 3,842.84 |
| 26 05 13 16-0060 | MLF | 1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct | 40,412.40 | 4,424.92 |
| **26 05 13 16-0061** | | **Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial** *(26 05 13 16-0002)* Note: Excludes excavation. | | |
| 26 05 13 16-0062 | MLF | #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 3,794.64 | |
| 26 05 13 16-0063 | MLF | #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 4,312.42 | |
| 26 05 13 16-0064 | MLF | #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 4,884.70 | |
| 26 05 13 16-0065 | MLF | #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 5,490.63 | |
| 26 05 13 16-0066 | MLF | 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 6,095.50 | |
| 26 05 13 16-0067 | MLF | 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 6,640.53 | |
| 26 05 13 16-0068 | MLF | 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 8,341.39 | |
| 26 05 13 16-0069 | MLF | 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 9,049.92 | |
| 26 05 13 16-0070 | MLF | 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 10,887.15 | |
| 26 05 13 16-0071 | MLF | 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 12,132.20 | |
| 26 05 13 16-0072 | MLF | 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 15,239.60 | |
| **26 05 13 16-0073** | | **Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)** *(26 05 13 16-0002)* | | |
| 26 05 13 16-0074 | MLF | #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 3,085.18 | 615.39 |
| 26 05 13 16-0075 | MLF | #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 3,719.76 | 659.82 |
| 26 05 13 16-0076 | MLF | #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 4,749.56 | 834.40 |
| 26 05 13 16-0077 | MLF | #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 5,472.55 | 923.02 |
| 26 05 13 16-0078 | MLF | 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 6,198.81 | 1,012.95 |
| 26 05 13 16-0079 | MLF | 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 7,205.77 | 1,189.11 |
| 26 05 13 16-0080 | MLF | 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 9,125.25 | 1,359.87 |
| 26 05 13 16-0081 | MLF | 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 10,405.25 | 1,577.83 |
| 26 05 13 16-0082 | MLF | 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 13,075.37 | 1,985.02 |
| 26 05 13 16-0083 | MLF | 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 15,579.08 | 2,511.66 |
| 26 05 13 16-0084 | MLF | 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 20,265.48 | 3,155.67 |
| **26 05 13 16-0085** | | **15 KV Cable** *(26 05 13 16-0001)* | | |
| **26 05 13 16-0086** | | **Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable** *(26 05 13 16-0085)* | | |
| **26 05 13 16-0087** | | **Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct** *(26 05 13 16-0086)* | | |
| 26 05 13 16-0088 | MLF | #4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct | 8,036.74 | 1,949.44 |
| 26 05 13 16-0089 | MLF | #2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct | 8,680.22 | 1,949.44 |
| 26 05 13 16-0090 | MLF | #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct | 8,925.66 | 1,949.44 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 13 16-0091 | MLF | 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct | 9,725.24 | 1,949.44 |
| 26 05 13 16-0092 | MLF | 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct | 10,484.15 | 1,949.44 |
| 26 05 13 16-0093 | MLF | 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct | 11,971.48 | 2,034.88 |
| 26 05 13 16-0094 | MLF | 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct | 12,269.63 | 2,034.88 |
| 26 05 13 16-0095 | MLF | 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct | 14,128.87 | 2,128.00 |
| 26 05 13 16-0096 | MLF | 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct | 16,001.77 | 2,177.89 |
| 26 05 13 16-0097 | MLF | 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct | 19,712.10 | 2,453.18 |

### 26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0086)*

Note: Excludes excavation.

| | | | | |
|---|---|---|---|---|
| 26 05 13 16-0099 | MLF | #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 6,828.67 | |
| 26 05 13 16-0100 | MLF | 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 7,628.23 | |
| 26 05 13 16-0101 | MLF | 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 8,387.15 | |
| 26 05 13 16-0102 | MLF | 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 9,901.43 | |
| 26 05 13 16-0103 | MLF | 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 10,199.57 | |
| 26 05 13 16-0104 | MLF | 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 12,174.20 | |
| 26 05 13 16-0105 | MLF | 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 14,050.40 | |
| 26 05 13 16-0106 | MLF | 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 17,481.95 | |

### 26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0086)*

| | | | | |
|---|---|---|---|---|
| 26 05 13 16-0108 | MLF | #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 6,357.24 | 879.11 |
| 26 05 13 16-0109 | MLF | 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 7,507.78 | 1,012.95 |
| 26 05 13 16-0110 | MLF | 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 8,728.64 | 1,189.11 |
| 26 05 13 16-0111 | MLF | 3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable | 10,450.44 | 1,359.87 |
| 26 05 13 16-0112 | MLF | 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 11,320.05 | 1,577.83 |
| 26 05 13 16-0113 | MLF | 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 13,625.60 | 1,836.81 |
| 26 05 13 16-0114 | MLF | 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 16,169.62 | 2,140.35 |
| 26 05 13 16-0115 | MLF | 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 20,098.83 | 2,486.21 |

### 26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*

### 26 05 13 16-0117 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0116)*

| | | | | |
|---|---|---|---|---|
| 26 05 13 16-0118 | MLF | #4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct | 8,606.11 | 1,949.44 |
| 26 05 13 16-0119 | MLF | #2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct | 9,365.41 | 1,949.44 |
| 26 05 13 16-0120 | MLF | #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct | 9,655.03 | 1,949.44 |
| 26 05 13 16-0121 | MLF | 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct | 10,598.53 | 1,949.44 |
| 26 05 13 16-0122 | MLF | 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct | 11,494.05 | 1,949.44 |
| 26 05 13 16-0123 | MLF | 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct | 13,210.68 | 2,034.88 |
| 26 05 13 16-0124 | MLF | 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct | 13,562.49 | 2,034.88 |
| 26 05 13 16-0125 | MLF | 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct | 15,714.46 | 2,128.00 |
| 26 05 13 16-0126 | MLF | 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct | 17,902.04 | 2,177.89 |
| 26 05 13 16-0127 | MLF | 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct | 22,156.35 | 2,453.18 |

### 26 05 13 16-0128 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0116)*

Note: Excludes excavation.

| | | | | |
|---|---|---|---|---|
| 26 05 13 16-0129 | MLF | #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 7,558.04 | |
| 26 05 13 16-0130 | MLF | 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 8,501.53 | |
| 26 05 13 16-0131 | MLF | 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 9,397.05 | |
| 26 05 13 16-0132 | MLF | 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 11,140.63 | |
| 26 05 13 16-0133 | MLF | 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 11,492.43 | |
| 26 05 13 16-0134 | MLF | 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 13,755.18 | |
| 26 05 13 16-0135 | MLF | 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 15,941.94 | |
| 26 05 13 16-0136 | MLF | 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial | 19,926.20 | |

### 26 05 13 16-0137 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0116)*

| | | | | |
|---|---|---|---|---|
| 26 05 13 16-0138 | MLF | #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 7,086.61 | 879.11 |
| 26 05 13 16-0139 | MLF | 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 8,381.08 | 1,012.95 |
| 26 05 13 16-0140 | MLF | 2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 9,738.54 | 1,189.11 |
| 26 05 13 16-0141 | MLF | 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 11,689.64 | 1,359.87 |
| 26 05 13 16-0142 | MLF | 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 12,612.91 | 1,577.83 |
| 26 05 13 16-0143 | MLF | 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 15,211.19 | 1,836.81 |
| 26 05 13 16-0144 | MLF | 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 18,069.89 | 2,140.35 |
| 26 05 13 16-0145 | MLF | 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) | 22,543.08 | 2,486.21 |

### 26 05 13 16-0146 15 KV Non-Shielded Single Copper Conductor *(26 05 13 16-0085)*

| | | | | |
|---|---|---|---|---|
| 26 05 13 16-0147 | MLF | 1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct | 11,475.29 | 1,956.27 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 13 16-0148 | MLF | 2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct | 9,946.02 | 2,003.03 |
| 26 05 13 16-0149 | MLF | 3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct | 14,879.38 | 2,049.80 |
| 26 05 13 16-0150 | MLF | 350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct | 20,408.21 | 2,186.40 |
| **26 05 13 16-0151** | | **Shielded, Armored Copper, 15 KV, 3 Conductor Cable** *(26 05 13 16-0085)* | | |
| | | Note: Laid in cable tray or hung in vertical cable shaft. | | |
| **26 05 13 16-0152** | | **Galvanized Steel Interlocked Armor Cable** *(26 05 13 16-0151)* | | |
| 26 05 13 16-0153 | LF | 3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically | 54.89 | 14.92 |
| 26 05 13 16-0154 | LF | 3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically | 65.49 | 15.89 |
| **26 05 13 16-0155** | | **Aluminum Interlocked Armor Cable** *(26 05 13 16-0151)* | | |
| 26 05 13 16-0156 | LF | 3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically | 54.89 | 14.92 |
| 26 05 13 16-0157 | LF | 3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically | 65.49 | 15.89 |
| **26 05 13 16-0158** | | **Type URD, 15 KV Primary Concentric UD Cable** *(26 05 13 16-0085)* | | |
| | | Note: 0.175" XLPE insulation, copper conductor. | | |
| 26 05 13 16-0159 | MLF | #4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit | 3,979.55 | 978.20 |
| 26 05 13 16-0160 | MLF | #2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit | 4,744.21 | 1,068.11 |
| 26 05 13 16-0161 | MLF | #1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit | 5,687.63 | 1,206.79 |
| 26 05 13 16-0162 | MLF | 1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit | 7,400.48 | 1,482.78 |
| 26 05 13 16-0163 | MLF | 2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit | 8,434.85 | 1,669.28 |
| 26 05 13 16-0164 | MLF | 3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit | 10,442.00 | 1,858.42 |
| 26 05 13 16-0165 | MLF | 4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit | 11,735.46 | 2,080.32 |
| **26 05 13 16-0166** | | **15 KV, URD Copper Cable, Direct Burial** *(26 05 13 16-0085)* | | |
| 26 05 13 16-0167 | MLF | 3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial | 19,178.88 | |
| **26 05 13 16-0168** | | **Wire Connections** *(26 05 13 16-0001)* | | |
| **26 05 13 16-0169** | | **Medium Voltage Up To 5 KV** *(26 05 13 16-0168)* | | |
| **26 05 13 16-0170** | | **Shielded One Conductor Cable Splice** *(26 05 13 16-0169)* | | |
| 26 05 13 16-0171 | EA | #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV | 487.92 | 126.07 |
| 26 05 13 16-0172 | EA | #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV | 725.20 | 126.07 |
| 26 05 13 16-0173 | EA | 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV | 725.20 | 126.07 |
| 26 05 13 16-0174 | EA | 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV | 762.72 | 151.28 |
| 26 05 13 16-0175 | EA | 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV | 762.72 | 151.28 |
| 26 05 13 16-0176 | EA | 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV | 762.72 | 151.28 |
| 26 05 13 16-0177 | EA | 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV | 812.74 | 176.50 |
| 26 05 13 16-0178 | EA | 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV | 812.74 | 176.50 |
| 26 05 13 16-0179 | EA | 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV | 812.74 | 176.50 |
| **26 05 13 16-0180** | | **Cable Termination Without Stress Cone** *(26 05 13 16-0169)* | | |
| 26 05 13 16-0181 | EA | #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV | 803.80 | 151.28 |
| 26 05 13 16-0182 | EA | 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV | 924.56 | 176.50 |
| **26 05 13 16-0183** | | **Cable Termination With Stress Cone** *(26 05 13 16-0169)* | | |
| 26 05 13 16-0184 | EA | #6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV | 2,639.49 | 302.56 |
| 26 05 13 16-0185 | EA | 250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV | 3,615.79 | 416.02 |
| **26 05 13 16-0186** | | **Connect To Pothead, Pothead Included** *(26 05 13 16-0169)* | | |
| 26 05 13 16-0187 | EA | #6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV | 2,782.81 | 302.56 |
| 26 05 13 16-0188 | EA | 250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV | 3,619.08 | 346.69 |
| **26 05 13 16-0189** | | **Two Conductor Pothead** *(26 05 13 16-0169)* | | |
| | | Note: Includes 5 KV pothead. | | |
| 26 05 13 16-0190 | EA | #6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV | 1,703.78 | 416.02 |
| 26 05 13 16-0191 | EA | 250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV | 2,345.56 | 529.49 |
| 26 05 13 16-0192 | EA | 400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV | 3,916.50 | 600.34 |
| 26 05 13 16-0193 | EA | 750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV | 6,832.47 | 700.43 |
| 26 05 13 16-0194 | EA | 1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV | 12,964.57 | 1,050.52 |
| **26 05 13 16-0195** | | **Three Conductor Pothead** *(26 05 13 16-0169)* | | |
| | | Note: Includes 5 KV pothead. | | |
| 26 05 13 16-0196 | EA | #6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV | 8,764.47 | 605.13 |
| 26 05 13 16-0197 | EA | 250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV | 9,524.83 | 705.98 |
| **26 05 13 16-0198** | | **Copper Cable Splice, Crimp Compression Connection** *(26 05 13 16-0169)* | | |
| | | Note: For bare wire. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 13 16-0199 | EA | #6 AWG Crimp Compression Connection For Bare Copper Wire | 86.43 | |
| 26 05 13 16-0200 | EA | #4 AWG Crimp Compression Connection For Bare Copper Wire | 96.50 | |
| 26 05 13 16-0201 | EA | #3 AWG Crimp Compression Connection For Bare Copper Wire | 112.44 | |
| 26 05 13 16-0202 | EA | #2 AWG Crimp Compression Connection For Bare Copper Wire | 126.38 | |
| 26 05 13 16-0203 | EA | #1 AWG Crimp Compression Connection For Bare Copper Wire | 143.14 | |
| 26 05 13 16-0204 | EA | 1/0 AWG Crimp Compression Connection For Bare Copper Wire | 158.80 | |
| 26 05 13 16-0205 | EA | 2/0 AWG Crimp Compression Connection For Bare Copper Wire | 173.98 | |
| 26 05 13 16-0206 | EA | 3/0 AWG Crimp Compression Connection For Bare Copper Wire | 191.07 | |
| 26 05 13 16-0207 | EA | 4/0 AWG Crimp Compression Connection For Bare Copper Wire | 207.02 | |
| 26 05 13 16-0208 | EA | 250 MCM Crimp Compression Connection For Bare Copper Wire | 223.83 | |
| 26 05 13 16-0209 | EA | 300 MCM Crimp Compression Connection For Bare Copper Wire | 241.73 | |
| 26 05 13 16-0210 | EA | 350 MCM Crimp Compression Connection For Bare Copper Wire | 257.02 | |
| 26 05 13 16-0211 | EA | 400 MCM Crimp Compression Connection For Bare Copper Wire | 292.16 | |
| 26 05 13 16-0212 | EA | 500 MCM Crimp Compression Connection For Bare Copper Wire | 329.94 | |
| **26 05 13 16-0213** | | **Aluminum Cable Splice, Crimp Compression Connection** *(26 05 13 16-0169)* | | |
| | | Note: For bare wire. | | |
| 26 05 13 16-0214 | EA | #6 AWG Crimp Compression Connection For Bare Aluminum Wire | 91.54 | |
| 26 05 13 16-0215 | EA | #4 AWG Crimp Compression Connection For Bare Aluminum Wire | 99.33 | |
| 26 05 13 16-0216 | EA | #2 AWG Crimp Compression Connection For Bare Aluminum Wire | 135.71 | |
| 26 05 13 16-0217 | EA | #1 AWG Crimp Compression Connection For Bare Aluminum Wire | 166.86 | |
| 26 05 13 16-0218 | EA | 1/0 AWG Crimp Compression Connection For Bare Aluminum Wire | 181.19 | |
| 26 05 13 16-0219 | EA | 2/0 AWG Crimp Compression Connection For Bare Aluminum Wire | 195.35 | |
| 26 05 13 16-0220 | EA | 3/0 AWG Crimp Compression Connection For Bare Aluminum Wire | 215.89 | |
| 26 05 13 16-0221 | EA | 4/0 AWG Crimp Compression Connection For Bare Aluminum Wire | 233.27 | |
| 26 05 13 16-0222 | EA | 250 MCM Crimp Compression Connection For Bare Aluminum Wire | 249.46 | |
| 26 05 13 16-0223 | EA | 300 MCM Crimp Compression Connection For Bare Aluminum Wire | 266.79 | |
| 26 05 13 16-0224 | EA | 350 MCM Crimp Compression Connection For Bare Aluminum Wire | 283.32 | |
| 26 05 13 16-0225 | EA | 400 MCM Crimp Compression Connection For Bare Aluminum Wire | 329.84 | |
| 26 05 13 16-0226 | EA | 500 MCM Crimp Compression Connection For Bare Aluminum Wire | 376.94 | |
| **26 05 13 16-0227** | | **15 KV** *(26 05 13 16-0168)* | | |
| **26 05 13 16-0228** | | **Single Conductor Pothead On Racks** *(26 05 13 16-0227)* | | |
| | | Note: Includes pothead. | | |
| 26 05 13 16-0229 | EA | #2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks | 2,046.16 | 529.49 |
| 26 05 13 16-0230 | EA | 250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks | 2,632.87 | 655.55 |
| **26 05 13 16-0231** | | **Two Conductor Pothead On Rack** *(26 05 13 16-0227)* | | |
| | | Note: Includes pothead. | | |
| 26 05 13 16-0232 | EA | #2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks | 2,959.01 | 806.83 |
| 26 05 13 16-0233 | EA | 250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks | 3,585.60 | 958.12 |
| **26 05 13 16-0234** | | **Three Conductor Pothead On Rack** *(26 05 13 16-0227)* | | |
| | | Note: Includes pothead. | | |
| 26 05 13 16-0235 | EA | #2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks | 3,747.60 | 1,046.36 |
| 26 05 13 16-0236 | EA | 250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks | 4,661.40 | 1,311.11 |
| **26 05 13 16-0237** | | **Stress Relief Cone On Rack** *(26 05 13 16-0227)* | | |
| 26 05 13 16-0238 | EA | #2 To 4/0 AWG Stress Relief Cone, On Rack | 1,873.01 | 529.49 |
| 26 05 13 16-0239 | EA | 250 To 500 MCM Stress Relief Cone, On Rack | 2,438.20 | 655.55 |
| **26 05 13 16-0240** | | **Grounded, Shielded Cable Splice** *(26 05 13 16-0227)* | | |
| 26 05 13 16-0241 | EA | #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV | 1,244.18 | 390.81 |
| 26 05 13 16-0242 | EA | 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV | 1,588.35 | 504.27 |
| 26 05 13 16-0243 | EA | 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way | 9,315.35 | 1,386.74 |
| 26 05 13 16-0244 | EA | 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way | 12,395.98 | 1,512.81 |
| **26 05 13 16-0245** | | **Cable Termination** *(26 05 13 16-0227)* | | |
| 26 05 13 16-0246 | EA | #2 To 3/0 AWG Cable Termination 15 KV | 888.16 | 220.62 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *132.37* | |
| 26 05 13 16-0247 | EA | 4/0 To 250 MCM Cable Termination 15 KV | 1,114.12 | 283.65 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *170.19* | |
| 26 05 13 16-0248 | EA | 350 To 500 MCM Cable Termination 15 KV | 1,389.29 | 346.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *208.01* | |
| 26 05 13 16-0249 | EA | #2 To 3/0 AWG Cable Elbow Termination 15 KV | 589.27 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| **26 05 13 16-0250** | | **Stress Cones, 5-15 KV, 4 Skirted** *(26 05 13 16-0227)* | | |
| 26 05 13 16-0251 | EA | #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted | 1,324.71 | 163.89 |
| 26 05 13 16-0252 | EA | 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted | 1,518.34 | 181.13 |
| 26 05 13 16-0253 | EA | 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted | 1,830.64 | 198.23 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 13 16-0254 | EA | 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted | 2,397.66 | 228.39 |
| **26 05 13 16-0255** | | **Stress Cones, 5-15 KV, 6 Skirted** *(26 05 13 16-0227)* | | |
| 26 05 13 16-0256 | EA | #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted | 2,649.48 | 328.33 |
| 26 05 13 16-0257 | EA | 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted | 3,037.12 | 362.27 |
| 26 05 13 16-0258 | EA | 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted | 3,646.54 | 389.10 |
| 26 05 13 16-0259 | EA | 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted | 4,795.31 | 456.77 |
| **26 05 13 16-0260** | | **35 KV** *(26 05 13 16-0168)* | | |
| **26 05 13 16-0261** | | **35 KV One Conductor Splice** *(26 05 13 16-0260)* | | |
| 26 05 13 16-0262 | EA | #1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing | 3,124.65 | |
| **26 05 13 16-0263** | | **Cable Termination** *(26 05 13 16-0260)* | | |
| 26 05 13 16-0264 | EA | #2 To 3/0 AWG Cable Termination, 35 KV | 842.10 | 151.41 |
| 26 05 13 16-0265 | EA | 3/0 AWG To 250 MCM, 35 KV, Cable Termination | 1,116.67 | 228.44 |
| 26 05 13 16-0266 | EA | 350 To 500 MCM Cable Termination 35 KV | 1,328.48 | 244.32 |
| 26 05 13 16-0267 | EA | #2 To 3/0 AWG Cable Elbow Termination 35 KV | 658.98 | 126.07 |

# 26 05 19 Low-Voltage Electrical Power Conductors and Cables *(26 05)*

## 26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

**26 05 19 13-0001 Under Carpet Power System** *(26 05 19 13)*

Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing

| | | | | |
|---|---|---|---|---|
| 26 05 19 13-0002 | LF | 3-Conductor, #12 Flat Cable With Attached Bottom Shield | 6.04 | 0.57 |
| 26 05 19 13-0003 | LF | Steel, Top Shield | 14.57 | 0.57 |
| 26 05 19 13-0004 | EA | 3-Conductor, Splice | 35.36 | 9.79 |
| 26 05 19 13-0005 | EA | Splice Top Shield For 3 Conductor | 10.51 | 4.61 |
| 26 05 19 13-0006 | EA | 3-Conductor, Tap | 43.98 | 11.52 |
| 26 05 19 13-0007 | EA | Insulating Patch, Splice Tap And End | 67.18 | 9.79 |
| 26 05 19 13-0008 | EA | 3-Conductor, Transition Block Assembly | 43.73 | 5.75 |
| 26 05 19 13-0009 | EA | Single, Direct Connected, Receptacle With Box | 132.07 | 18.42 |
| 26 05 19 13-0010 | EA | Dual, Direct Connected, Receptacle With Box | 219.77 | 28.79 |
| 26 05 19 13-0011 | EA | Floor Mounted Box With Cover | 218.04 | 23.04 |
| 26 05 19 13-0012 | LF | 5-Conductor, #12 Cable With Attached Bottom Shield | 9.55 | 0.57 |
| 26 05 19 13-0013 | LF | Steel, Top Shield For 5-Conductor Cable | 9.48 | 0.57 |
| 26 05 19 13-0014 | EA | 5-Conductor, Splice | 35.81 | 9.79 |
| 26 05 19 13-0015 | EA | 5-Conductor, Transition Block Assembly | 57.54 | 5.75 |
| 26 05 19 13-0016 | EA | Box, Wall, Flush With Cover | 100.02 | 23.04 |
| 26 05 19 13-0017 | EA | Telephone, Transition Fitting Wall Box | 66.57 | 19.01 |
| 26 05 19 13-0018 | EA | RJ-45, Telephone Fitting With Duplex Jack And Cover | 87.08 | 21.88 |
| 26 05 19 13-0019 | EA | Miniature Telephone With Duplex RJ-45 | 37.34 | 8.64 |
| 26 05 19 13-0020 | LF | 4-Pair, Level 5, Under Carpet Telephone Wire | 2.18 | 0.57 |
| 26 05 19 13-0021 | EA | BNC, Coax Plug, Connector | 30.58 | 11.52 |
| 26 05 19 13-0022 | EA | TNC, Coax Plug, Connector | 30.58 | 11.52 |
| 26 05 19 13-0023 | CLF | Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm | 160.26 | 57.59 |

## 26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables *(26 05 19)*

**26 05 19 16-0001 Cable Installation Methods** *(26 05 19 16)*

**26 05 19 16-0002 Pull Cord** *(26 05 19 16-0001)*

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

| | | | | |
|---|---|---|---|---|
| 26 05 19 16-0003 | LF | Pull String Installed To Remain In Place, In Existing Conduit | 0.40 | |
| 26 05 19 16-0004 | LF | Pull String Installed To Remain In Place, In New Conduits | 0.21 | |
| 26 05 19 16-0005 | LF | 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit | 0.69 | |
| 26 05 19 16-0006 | LF | 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits | 0.44 | |

**26 05 19 16-0007 Bore Conduit Into Dirt Or Sand** *(26 05 19 16-0001)*

Note: For installation under roads, driveways or other structures up to 20'.

| | | | | |
|---|---|---|---|---|
| 26 05 19 16-0008 | LF | Bore 1" To 4" Conduit Into Dirt Or Sand | 3.55 | |
| 26 05 19 16-0009 | LF | Bore 5" To 8" Conduit Into Dirt Or Sand | 4.52 | |
| 26 05 19 16-0010 | EA | Boring Minimum Set-Up Charge<br>Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section. | 497.29 | |

**26 05 19 16-0011 Wire and Cable** *(26 05 19 16)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.

**26 05 19 16-0012 600 Volt Wire** *(26 05 19 16-0011)*


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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 19 16-0013** | | **Single Solid Conductor, Copper** *(26 05 19 16-0012)* | | |
| 26 05 19 16-0014 | MLF | #14 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit | 690.82 | 279.54 |
| 26 05 19 16-0015 | MLF | #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit | 863.67 | 328.83 |
| 26 05 19 16-0016 | MLF | #10 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit | 1,066.86 | 402.09 |
| 26 05 19 16-0017 | MLF | #14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit | 877.77 | 279.54 |
| 26 05 19 16-0018 | MLF | #12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit | 1,058.92 | 328.83 |
| 26 05 19 16-0019 | MLF | #10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit | 1,267.19 | 402.09 |
| **26 05 19 16-0020** | | **Power Cable, Stranded Conductor, Copper** *(26 05 19 16-0012)* | | |
| **26 05 19 16-0021** | | **Power Cable, Stranded, Single Conductor, XHHW-2** *(26 05 19 16-0020)* | | |
| 26 05 19 16-0022 | MLF | #16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 722.65 | 230.36 |
| 26 05 19 16-0023 | MLF | #14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 853.33 | 276.43 |
| 26 05 19 16-0024 | MLF | #12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 1,049.52 | 322.51 |
| 26 05 19 16-0025 | MLF | #10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 1,289.92 | 368.57 |
| 26 05 19 16-0026 | MLF | #8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit | 1,717.75 | 460.71 |
| 26 05 19 16-0027 | MLF | #6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 2,317.88 | 552.86 |
| 26 05 19 16-0028 | MLF | #4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 3,170.66 | 691.08 |
| 26 05 19 16-0029 | MLF | #3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 3,750.08 | 783.22 |
| 26 05 19 16-0030 | MLF | #2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 4,438.34 | 875.37 |
| 26 05 19 16-0031 | MLF | #1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 5,497.55 | 967.51 |
| 26 05 19 16-0032 | MLF | 1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 6,593.71 | 1,105.72 |
| 26 05 19 16-0033 | MLF | 2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 7,895.58 | 1,243.94 |
| 26 05 19 16-0034 | MLF | 3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 9,446.60 | 1,382.15 |
| 26 05 19 16-0035 | MLF | 4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 11,315.04 | 1,520.37 |
| 26 05 19 16-0036 | MLF | 250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 11,993.07 | 1,658.59 |
| 26 05 19 16-0037 | MLF | 300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 14,214.23 | 1,796.80 |
| 26 05 19 16-0038 | MLF | 350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 15,164.03 | 1,935.01 |
| 26 05 19 16-0039 | MLF | 400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 16,958.49 | 2,073.23 |
| 26 05 19 16-0040 | MLF | 500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 19,629.82 | 2,211.45 |
| 26 05 19 16-0041 | MLF | 600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 22,600.86 | 2,395.73 |
| 26 05 19 16-0042 | MLF | 750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 34,317.99 | 2,672.16 |
| 26 05 19 16-0043 | MLF | 1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit | 48,381.39 | 3,132.88 |
| **26 05 19 16-0044** | | **Power Cable, Stranded, Multi Conductor, XHHW-2** *(26 05 19 16-0020)* | | |
| 26 05 19 16-0045 | MLF | 2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 1,706.66 | 552.75 |
| 26 05 19 16-0046 | MLF | 3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 2,099.28 | 645.13 |
| 26 05 19 16-0047 | MLF | 4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 2,607.19 | 783.22 |
| 26 05 19 16-0048 | MLF | 6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 3,103.43 | 851.98 |
| 26 05 19 16-0049 | MLF | 7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 3,381.53 | 898.28 |
| 26 05 19 16-0050 | MLF | 9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 3,936.00 | 990.32 |
| 26 05 19 16-0051 | MLF | 10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 2,742.71 | 1,032.24 |
| 26 05 19 16-0052 | MLF | 12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 4,768.99 | 1,128.76 |
| 26 05 19 16-0053 | MLF | 14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 5,266.72 | 1,198.10 |
| 26 05 19 16-0054 | MLF | 24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 7,695.32 | 1,520.48 |
| 26 05 19 16-0055 | MLF | 37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 11,647.27 | 2,257.52 |
| 26 05 19 16-0056 | MLF | 2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 2,099.31 | 645.13 |
| 26 05 19 16-0057 | MLF | 3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 2,687.96 | 783.22 |
| 26 05 19 16-0058 | MLF | 4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 3,276.64 | 921.44 |
| 26 05 19 16-0059 | MLF | 2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 2,809.30 | 828.94 |
| 26 05 19 16-0060 | MLF | 3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 3,637.21 | 1,012.66 |
| 26 05 19 16-0061 | MLF | 4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 4,699.50 | 1,290.24 |
| 26 05 19 16-0062 | MLF | 6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 6,358.77 | 1,659.16 |
| 26 05 19 16-0063 | MLF | 9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 8,614.81 | 2,119.41 |
| 26 05 19 16-0064 | MLF | 2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 3,493.09 | 944.48 |
| 26 05 19 16-0065 | MLF | 3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 4,462.18 | 1,105.72 |
| 26 05 19 16-0066 | MLF | 4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 5,776.80 | 1,405.19 |
| 26 05 19 16-0067 | MLF | 2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 4,520.71 | 1,059.65 |
| 26 05 19 16-0068 | MLF | 3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 6,089.81 | 1,313.05 |
| 26 05 19 16-0069 | MLF | 4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 7,791.48 | 1,619.42 |
| 26 05 19 16-0070 | MLF | 2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 6,099.93 | 1,285.63 |
| 26 05 19 16-0071 | MLF | 3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 8,005.19 | 1,470.50 |
| 26 05 19 16-0072 | MLF | 4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 10,359.37 | 1,835.04 |
| 26 05 19 16-0073 | MLF | 2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 8,414.80 | 1,565.98 |
| 26 05 19 16-0074 | MLF | 3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 11,127.75 | 1,751.19 |
| 26 05 19 16-0075 | MLF | 4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 14,758.70 | 2,303.59 |
| 26 05 19 16-0076 | MLF | 3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 14,764.00 | 2,211.10 |
| 26 05 19 16-0077 | MLF | 4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 19,222.91 | 2,763.16 |
| 26 05 19 16-0078 | MLF | 3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 17,478.59 | 2,396.19 |
| 26 05 19 16-0079 | MLF | 3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 21,265.02 | 2,763.16 |
| 26 05 19 16-0080 | MLF | 3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 26,032.72 | 3,223.64 |
| 26 05 19 16-0081 | MLF | 4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 34,326.52 | 4,144.73 |
| 26 05 19 16-0082 | MLF | 3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 31,764.62 | 3,688.86 |
| 26 05 19 16-0083 | MLF | 3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 33,901.52 | 4,144.73 |
| 26 05 19 16-0084 | MLF | 3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 42,497.40 | 4,607.18 |
| 26 05 19 16-0085 | MLF | 3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit | 54,962.42 | 5,063.52 |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0086 | | Underground Feeder And Branch Circuit Suitable, Single Stranded Copper<br>*(26 05 19 16-0012)*<br>Note: Direct bury. | | |
| 26 05 19 16-0087 | MLF | #14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 1,032.53 | |
| 26 05 19 16-0088 | MLF | #12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 1,215.56 | |
| 26 05 19 16-0089 | MLF | #10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 1,528.50 | |
| 26 05 19 16-0090 | MLF | #8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 2,014.24 | |
| 26 05 19 16-0091 | MLF | #6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 2,831.27 | |
| 26 05 19 16-0092 | MLF | #4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 3,734.37 | |
| 26 05 19 16-0093 | MLF | #2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 5,413.31 | |
| 26 05 19 16-0094 | MLF | #1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 6,747.82 | |
| 26 05 19 16-0095 | MLF | 1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 8,286.07 | |
| 26 05 19 16-0096 | MLF | 2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 10,050.82 | |
| 26 05 19 16-0097 | MLF | 3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 12,129.01 | |
| 26 05 19 16-0098 | MLF | 4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 13,706.12 | |
| 26 05 19 16-0099 | MLF | 250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 14,841.22 | |
| 26 05 19 16-0100 | MLF | 300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 17,788.69 | |
| 26 05 19 16-0101 | MLF | 350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 19,896.62 | |
| 26 05 19 16-0102 | MLF | 400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 22,364.77 | |
| 26 05 19 16-0103 | MLF | 500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 26,515.32 | |
| 26 05 19 16-0104 | MLF | 600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 31,334.50 | |
| 26 05 19 16-0105 | MLF | 750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 49,933.71 | |
| 26 05 19 16-0106 | MLF | #14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 846.76 | |
| 26 05 19 16-0107 | MLF | #12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 1,014.64 | |
| 26 05 19 16-0108 | MLF | #10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 1,213.77 | |
| 26 05 19 16-0109 | MLF | #8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 1,489.34 | |
| 26 05 19 16-0110 | MLF | #6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 1,913.12 | |
| 26 05 19 16-0111 | MLF | #4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 2,541.33 | |
| 26 05 19 16-0112 | MLF | #2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 3,446.54 | |
| 26 05 19 16-0113 | MLF | #1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 4,073.69 | |
| 26 05 19 16-0114 | MLF | 1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 4,611.89 | |
| 26 05 19 16-0115 | MLF | 2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 5,197.74 | |
| 26 05 19 16-0116 | MLF | 3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 6,036.23 | |
| 26 05 19 16-0117 | MLF | 4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 7,048.16 | |
| 26 05 19 16-0118 | MLF | 250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 7,990.57 | |
| 26 05 19 16-0119 | MLF | 300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 8,984.17 | |
| 26 05 19 16-0120 | MLF | 350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 10,061.86 | |
| 26 05 19 16-0121 | MLF | 400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 11,176.18 | |
| 26 05 19 16-0122 | MLF | 500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 13,004.40 | |
| 26 05 19 16-0123 | MLF | 750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 21,684.79 | |
| 26 05 19 16-0124 | MLF | #14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 716.03 | |
| 26 05 19 16-0125 | MLF | #12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 891.57 | |
| 26 05 19 16-0126 | MLF | #10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 1,107.44 | |
| 26 05 19 16-0127 | MLF | #8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 1,560.87 | |
| 26 05 19 16-0128 | MLF | #6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 2,133.77 | |
| 26 05 19 16-0129 | MLF | #4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 2,833.23 | |
| 26 05 19 16-0130 | MLF | #2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 4,060.36 | |
| 26 05 19 16-0131 | MLF | #1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 4,847.07 | |
| 26 05 19 16-0132 | MLF | 1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 5,639.72 | |
| 26 05 19 16-0133 | MLF | 2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 6,408.92 | |
| 26 05 19 16-0134 | MLF | 3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 7,624.53 | |
| 26 05 19 16-0135 | MLF | 4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 9,101.78 | |
| 26 05 19 16-0136 | MLF | 250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 10,702.01 | |
| 26 05 19 16-0137 | MLF | 300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 12,370.36 | |
| 26 05 19 16-0138 | MLF | 350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 14,165.52 | |
| 26 05 19 16-0139 | MLF | 400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 15,896.70 | |
| 26 05 19 16-0140 | MLF | 500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 18,915.30 | |
| 26 05 19 16-0141 | MLF | 600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 22,771.94 | |
| 26 05 19 16-0142 | MLF | 750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 36,181.21 | |
| 26 05 19 16-0143 | MLF | #2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 5,935.57 | |
| 26 05 19 16-0144 | MLF | 1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 8,523.01 | |
| 26 05 19 16-0145 | MLF | 2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 9,462.78 | |
| 26 05 19 16-0146 | MLF | 3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 10,748.49 | |
| 26 05 19 16-0147 | MLF | 4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 11,945.87 | |
| 26 05 19 16-0148 | MLF | 250 MCM,Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 12,873.50 | |
| 26 05 19 16-0149 | MLF | 350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 18,462.80 | |
| 26 05 19 16-0150 | MLF | 400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 20,071.82 | |
| 26 05 19 16-0151 | MLF | 500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable | 22,893.16 | |


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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0152 | | 600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0012)* | | |
| 26 05 19 16-0153 | | ACTHH, Solid *(26 05 19 16-0152)* | | |
| 26 05 19 16-0154 | MLF | 1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable | 2,788.10 | 756.41 |
| 26 05 19 16-0155 | MLF | 1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable | 3,219.64 | 857.26 |
| 26 05 19 16-0156 | MLF | 1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable | 3,703.68 | 907.69 |
| 26 05 19 16-0157 | MLF | 2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable | 3,975.44 | 1,260.68 |
| 26 05 19 16-0158 | MLF | 2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable | 4,243.07 | 1,411.70 |
| 26 05 19 16-0159 | MLF | 2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable | 5,431.58 | 1,564.11 |
| 26 05 19 16-0160 | MLF | 2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable | 7,187.18 | 1,715.15 |
| 26 05 19 16-0161 | MLF | 3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable | 4,837.21 | 1,411.70 |
| 26 05 19 16-0162 | MLF | 3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable | 5,044.86 | 1,564.11 |
| 26 05 19 16-0163 | MLF | 3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable | 6,513.63 | 1,765.70 |
| 26 05 19 16-0164 | MLF | 3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable | 8,562.06 | 1,915.97 |
| 26 05 19 16-0165 | MLF | 4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable | 5,799.82 | 1,564.11 |
| 26 05 19 16-0166 | MLF | 4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable | 6,341.57 | 1,765.70 |
| 26 05 19 16-0167 | MLF | 4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable | 8,144.13 | 1,966.78 |
| 26 05 19 16-0168 | MLF | 4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable | 10,679.95 | 2,118.81 |
| 26 05 19 16-0169 | | ACTHH, Stranded *(26 05 19 16-0152)* | | |
| 26 05 19 16-0170 | MLF | 2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable | 7,440.50 | 1,816.51 |
| 26 05 19 16-0171 | MLF | 2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable | 9,115.64 | 2,066.62 |
| 26 05 19 16-0172 | MLF | 3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable | 8,814.96 | 2,017.08 |
| 26 05 19 16-0173 | MLF | 3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable | 11,130.68 | 2,267.45 |
| 26 05 19 16-0174 | MLF | 3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable | 14,186.30 | 2,521.35 |
| 26 05 19 16-0175 | MLF | 3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable | 16,347.06 | 2,770.71 |
| 26 05 19 16-0176 | MLF | 3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable | 18,776.07 | 3,023.22 |
| 26 05 19 16-0177 | MLF | 4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable | 11,432.31 | 2,419.74 |
| 26 05 19 16-0178 | MLF | 4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable | 13,916.60 | 2,670.87 |
| 26 05 19 16-0179 | MLF | 4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable | 18,052.15 | 2,925.02 |
| 26 05 19 16-0180 | MLF | 4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable | 19,792.39 | 3,175.51 |
| 26 05 19 16-0181 | MLF | 4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable | 23,583.47 | 3,425.76 |
| 26 05 19 16-0182 | | HCFC, Solid *(26 05 19 16-0152)* | | |
| 26 05 19 16-0183 | MLF | 2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable | 4,492.86 | 1,260.68 |
| 26 05 19 16-0184 | MLF | 2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable | 4,908.76 | 1,416.49 |
| 26 05 19 16-0185 | MLF | 2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable | 5,494.60 | 1,556.43 |
| 26 05 19 16-0186 | MLF | 3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable | 5,478.96 | 1,416.49 |
| 26 05 19 16-0187 | MLF | 3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable | 5,867.71 | 1,556.43 |
| 26 05 19 16-0188 | MLF | 3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable | 7,750.02 | 1,775.66 |
| 26 05 19 16-0189 | MLF | 4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable | 6,785.56 | 1,556.43 |
| 26 05 19 16-0190 | MLF | 4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable | 7,392.08 | 1,775.66 |
| 26 05 19 16-0191 | MLF | 4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable | 10,238.70 | 1,969.81 |
| 26 05 19 16-0192 | | MC, Solid Or Stranded, Galvanized Steel Armor *(26 05 19 16-0152)* | | |
| 26 05 19 16-0193 | MLF | 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 4,042.80 | 1,260.68 |
| 26 05 19 16-0194 | MLF | 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 4,510.41 | 1,416.49 |
| 26 05 19 16-0195 | MLF | 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 5,511.60 | 1,556.43 |
| 26 05 19 16-0196 | MLF | 2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 7,249.45 | 1,663.20 |
| 26 05 19 16-0197 | MLF | 2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 9,215.18 | 1,763.18 |
| 26 05 19 16-0198 | MLF | 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 4,693.72 | 1,416.49 |
| 26 05 19 16-0199 | MLF | 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 5,321.50 | 1,556.43 |
| 26 05 19 16-0200 | MLF | 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 6,886.57 | 1,775.66 |
| 26 05 19 16-0201 | MLF | 3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 9,190.69 | 1,915.97 |
| 26 05 19 16-0202 | MLF | 3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 10,855.54 | 2,066.62 |
| 26 05 19 16-0203 | MLF | 3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 13,642.38 | 2,219.55 |
| 26 05 19 16-0204 | MLF | 3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 19,304.77 | 2,369.69 |
| 26 05 19 16-0205 | MLF | 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 5,494.97 | 1,556.43 |
| 26 05 19 16-0206 | MLF | 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 6,299.63 | 1,775.66 |
| 26 05 19 16-0207 | MLF | 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 9,962.99 | 1,969.81 |
| 26 05 19 16-0208 | MLF | 4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 13,826.47 | 2,169.87 |
| 26 05 19 16-0209 | MLF | 4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 17,105.17 | 2,321.65 |
| 26 05 19 16-0210 | MLF | 4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 22,942.80 | 2,471.93 |
| 26 05 19 16-0211 | MLF | 4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable | 29,999.56 | 2,620.94 |
| 26 05 19 16-0212 | | FPLP Solid TFN Red Armored Cable *(26 05 19 16-0152)* | | |
| | | Note: Color coded red. | | |
| 26 05 19 16-0213 | MLF | #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable | 4,146.98 | 958.12 |
| 26 05 19 16-0214 | MLF | #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable | 4,702.66 | 1,109.40 |
| 26 05 19 16-0215 | MLF | #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable | 5,865.36 | 1,260.68 |
| 26 05 19 16-0216 | MLF | #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable | 6,738.19 | 1,411.95 |
| 26 05 19 16-0217 | MLF | #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable | 4,714.21 | 1,109.40 |
| 26 05 19 16-0218 | MLF | #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable | 5,588.11 | 1,260.68 |
| 26 05 19 16-0219 | MLF | #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable | 7,071.10 | 1,411.95 |
| 26 05 19 16-0220 | MLF | #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable | 8,057.36 | 1,563.23 |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| **26 05 19 16-0221** | | | **FPLP Solid THHN Red Armored Cable** *(26 05 19 16-0152)* | | |
| | | | Note: Color coded red. | | |
| 26 05 19 16-0222 | | MLF | #14/2 With #14 Ground Type THHN FPLP Red Armored Cable | 5,227.90 | 1,260.68 |
| 26 05 19 16-0223 | | MLF | #14/4 With #14 Ground Type THHN FPLP Red Armored Cable | 6,539.71 | 1,411.95 |
| 26 05 19 16-0224 | | MLF | #14/6 With #14 Ground Type THHN FPLP Red Armored Cable | 8,799.84 | 1,563.23 |
| 26 05 19 16-0225 | | MLF | #14/8 With #14 Ground Type THHN FPLP Red Armored Cable | 10,233.46 | 1,714.51 |
| 26 05 19 16-0226 | | MLF | #12/2 With #12 Ground Type THHN FPLP Red Armored Cable | 6,651.03 | 1,411.95 |
| 26 05 19 16-0227 | | MLF | #12/4 With #12 Ground Type THHN FPLP Red Armored Cable | 8,189.68 | 1,563.23 |
| **26 05 19 16-0228** | | | **FPLP Twisted Shielded Pair Red Armored Cable** *(26 05 19 16-0152)* | | |
| | | | Note: Color coded red. | | |
| 26 05 19 16-0229 | | MLF | #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable | 4,525.04 | 958.12 |
| 26 05 19 16-0230 | | MLF | #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable | 7,289.53 | 1,411.95 |
| 26 05 19 16-0231 | | MLF | #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable | 5,586.91 | 1,109.40 |
| 26 05 19 16-0232 | | MLF | #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable | 6,615.18 | 1,260.68 |
| 26 05 19 16-0233 | | MLF | #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable | 9,258.77 | 1,563.23 |
| 26 05 19 16-0234 | | MLF | #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable | 6,540.67 | 1,311.11 |
| 26 05 19 16-0235 | | MLF | #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable | 8,114.02 | 1,512.81 |
| **26 05 19 16-0236** | | | **Armored Cable Connectors** *(26 05 19 16-0152)* | | |
| 26 05 19 16-0237 | | EA | 3/4" Armored Cable Connector | 7.69 | 2.77 |
| | | | *For Work In Restricted Working Space, Add* | *2.07* | |
| | | | *For Elevated Installation >10' To 15', Add* | *0.69* | |
| | | | *For Elevated Installation >15' To 20', Add* | *1.38* | |
| | | | *For Elevated Installation >20' To 25', Add* | *1.73* | |
| | | | *For Elevated Installation >25' To 30', Add* | *2.42* | |
| | | | *For Elevated Installation >30' To 35', Add* | *2.76* | |
| | | | *For Elevated Installation >35' To 40', Add* | *3.46* | |
| | | | *For Elevated Installation >40', Add* | *3.80* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.07* | |
| 26 05 19 16-0238 | | EA | 1" Armored Cable Connector | 10.27 | 3.69 |
| | | | *For Work In Restricted Working Space, Add* | *2.76* | |
| | | | *For Elevated Installation >10' To 15', Add* | *0.92* | |
| | | | *For Elevated Installation >15' To 20', Add* | *1.84* | |
| | | | *For Elevated Installation >20' To 25', Add* | *2.30* | |
| | | | *For Elevated Installation >25' To 30', Add* | *3.22* | |
| | | | *For Elevated Installation >30' To 35', Add* | *3.68* | |
| | | | *For Elevated Installation >35' To 40', Add* | *4.61* | |
| | | | *For Elevated Installation >40', Add* | *5.07* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.76* | |
| 26 05 19 16-0239 | | EA | 1-1/4" Armored Cable Connector | 12.91 | 4.61 |
| | | | *For Work In Restricted Working Space, Add* | *3.46* | |
| | | | *For Elevated Installation >10' To 15', Add* | *1.15* | |
| | | | *For Elevated Installation >15' To 20', Add* | *2.30* | |
| | | | *For Elevated Installation >20' To 25', Add* | *2.88* | |
| | | | *For Elevated Installation >25' To 30', Add* | *4.03* | |
| | | | *For Elevated Installation >30' To 35', Add* | *4.61* | |
| | | | *For Elevated Installation >35' To 40', Add* | *5.76* | |
| | | | *For Elevated Installation >40', Add* | *6.34* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.46* | |
| **26 05 19 16-0240** | | | **600 Volt, Feeder Wire, Single Stranded Copper** *(26 05 19 16-0012)* | | |
| 26 05 19 16-0241 | | MLF | #14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 954.18 | 184.63 |
| | | | *For EPR Insulation, Add* | *39.47* | |
| | | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *92.09* | |
| 26 05 19 16-0242 | | MLF | #12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 1,074.47 | 204.44 |
| | | | *For EPR Insulation, Add* | *40.23* | |
| | | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *93.87* | |
| 26 05 19 16-0243 | | MLF | #10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 1,313.02 | 255.58 |
| | | | *For EPR Insulation, Add* | *58.74* | |
| | | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *137.05* | |
| 26 05 19 16-0244 | | MLF | #8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 1,795.54 | 406.58 |
| | | | *For EPR Insulation, Add* | *96.56* | |
| | | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *225.31* | |
| 26 05 19 16-0245 | | MLF | #6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 2,463.90 | 487.90 |
| | | | *For EPR Insulation, Add* | *162.26* | |
| | | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *378.61* | |
| 26 05 19 16-0246 | | MLF | #4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 3,364.24 | 566.45 |
| | | | *For EPR Insulation, Add* | *245.48* | |
| | | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *572.79* | |
| 26 05 19 16-0247 | | MLF | #3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 3,838.85 | 648.34 |
| | | | *For EPR Insulation, Add* | *282.12* | |
| | | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *658.28* | |
| 26 05 19 16-0248 | | MLF | #2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 4,846.38 | 730.24 |
| | | | *For EPR Insulation, Add* | *398.70* | |
| | | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *930.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0249 | MLF | #1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 6,010.13 | 813.29 |
| | | *For EPR Insulation, Add* | *538.70* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *1,256.98* | |
| 26 05 19 16-0250 | MLF | 1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 7,249.66 | 917.52 |
| | | *For EPR Insulation, Add* | *672.80* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *1,569.88* | |
| 26 05 19 16-0251 | MLF | 2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 8,748.04 | 1,017.49 |
| | | *For EPR Insulation, Add* | *845.73* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *1,973.37* | |
| 26 05 19 16-0252 | MLF | 3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 10,501.00 | 1,135.90 |
| | | *For EPR Insulation, Add* | *1,056.84* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *2,465.96* | |
| 26 05 19 16-0253 | MLF | 4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 11,846.99 | 1,262.94 |
| | | *For EPR Insulation, Add* | *1,206.91* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *2,816.12* | |
| 26 05 19 16-0254 | MLF | 250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 12,614.00 | 1,385.15 |
| | | *For EPR Insulation, Add* | *1,270.13* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *2,963.64* | |
| 26 05 19 16-0255 | MLF | 300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 14,893.00 | 1,522.68 |
| | | *For EPR Insulation, Add* | *1,560.15* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *3,640.35* | |
| 26 05 19 16-0256 | MLF | 350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 16,617.13 | 1,614.24 |
| | | *For EPR Insulation, Add* | *1,766.94* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *4,122.86* | |
| 26 05 19 16-0257 | MLF | 400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 18,622.99 | 1,804.18 |
| | | *For EPR Insulation, Add* | *2,015.99* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *4,703.97* | |
| 26 05 19 16-0258 | MLF | 500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 21,288.22 | 2,006.54 |
| | | *For EPR Insulation, Add* | *2,363.94* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *5,515.86* | |
| 26 05 19 16-0259 | MLF | 600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 24,935.37 | 2,087.63 |
| | | *For EPR Insulation, Add* | *2,841.91* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *6,631.11* | |
| 26 05 19 16-0260 | MLF | 750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 40,514.07 | 2,168.59 |
| | | *For EPR Insulation, Add* | *5,075.05* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *11,841.78* | |
| 26 05 19 16-0261 | MLF | 1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 51,039.10 | 2,317.18 |
| | | *For EPR Insulation, Add* | *6,584.70* | |
| | | *For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add* | *15,364.29* | |
| 26 05 19 16-0262 | MLF | #16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 1,665.00 | 414.41 |
| 26 05 19 16-0263 | MLF | #14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 2,085.19 | 460.71 |
| 26 05 19 16-0264 | MLF | #12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 2,618.49 | 553.32 |
| 26 05 19 16-0265 | MLF | #10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 3,104.96 | 644.77 |
| 26 05 19 16-0266 | MLF | #8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 4,640.48 | 690.39 |
| 26 05 19 16-0267 | MLF | #18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 540.70 | 230.36 |
| 26 05 19 16-0268 | MLF | #16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 674.35 | 253.40 |
| 26 05 19 16-0269 | MLF | #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 709.36 | 184.75 |
| 26 05 19 16-0270 | MLF | #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 882.02 | 220.23 |
| 26 05 19 16-0271 | MLF | #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 1,093.12 | 277.01 |
| 26 05 19 16-0272 | MLF | #8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 1,535.90 | 365.12 |
| 26 05 19 16-0273 | MLF | #6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 2,092.50 | 440.91 |
| 26 05 19 16-0274 | MLF | #4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 2,769.62 | 521.07 |
| 26 05 19 16-0275 | MLF | #3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 3,311.49 | 589.83 |
| 26 05 19 16-0276 | MLF | #2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 3,960.25 | 660.55 |
| 26 05 19 16-0277 | MLF | #1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 4,720.46 | 745.44 |
| 26 05 19 16-0278 | MLF | 1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 5,491.82 | 816.27 |
| 26 05 19 16-0279 | MLF | 2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 6,235.36 | 902.08 |
| 26 05 19 16-0280 | MLF | 3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 7,404.06 | 954.15 |
| 26 05 19 16-0281 | MLF | 4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 8,827.43 | 1,073.47 |
| 26 05 19 16-0282 | MLF | 250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 10,367.90 | 1,142.01 |
| 26 05 19 16-0283 | MLF | 300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 11,973.26 | 1,293.35 |
| 26 05 19 16-0284 | MLF | 350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 13,699.40 | 1,431.33 |
| 26 05 19 16-0285 | MLF | 400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 15,364.61 | 1,470.50 |
| 26 05 19 16-0286 | MLF | 500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 18,255.90 | 1,555.73 |
| 26 05 19 16-0287 | MLF | 600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 22,656.77 | 1,830.78 |
| 26 05 19 16-0288 | MLF | 750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 34,754.45 | 2,168.59 |
| 26 05 19 16-0289 | MLF | 1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 41,645.27 | 2,618.26 |
| 26 05 19 16-0290 | MLF | #16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 2,944.70 | 553.32 |
| 26 05 19 16-0291 | MLF | #14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 3,268.57 | 644.77 |
| 26 05 19 16-0292 | MLF | #12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 3,788.91 | 737.72 |
| 26 05 19 16-0293 | MLF | #10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 4,941.65 | 828.94 |
| 26 05 19 16-0294 | MLF | #8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 5,602.31 | 921.44 |
| 26 05 19 16-0295 | MLF | #6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit | 7,167.35 | 1,012.66 |
| 26 05 19 16-0296 | | 600 Volt, Feeder Wire, Single Stranded Aluminum *(26 05 19 16-0012)* | | |
| 26 05 19 16-0297 | MLF | #6 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 1,303.08 | 357.06 |
| 26 05 19 16-0298 | MLF | #4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 1,543.88 | 415.19 |
| 26 05 19 16-0299 | MLF | #2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 2,019.05 | 532.96 |
| 26 05 19 16-0300 | MLF | #1 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 2,493.49 | 595.14 |
| 26 05 19 16-0301 | MLF | 1/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 2,883.21 | 670.51 |
| 26 05 19 16-0302 | MLF | 2/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 3,276.36 | 740.06 |
| 26 05 19 16-0303 | MLF | 3/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 3,859.79 | 835.20 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0304 | MLF | 4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 4,272.41 | 921.44 |
| 26 05 19 16-0305 | MLF | 250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 4,935.93 | 1,012.96 |
| 26 05 19 16-0306 | MLF | 300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 6,073.84 | 1,101.58 |
| 26 05 19 16-0307 | MLF | 350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 6,350.28 | 1,190.17 |
| 26 05 19 16-0308 | MLF | 400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 7,255.15 | 1,323.79 |
| 26 05 19 16-0309 | MLF | 500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 7,995.53 | 1,457.37 |
| 26 05 19 16-0310 | MLF | 600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 9,758.29 | 1,697.68 |
| 26 05 19 16-0311 | MLF | 700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 11,018.43 | 1,861.13 |
| 26 05 19 16-0312 | MLF | 750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 11,255.69 | 1,930.12 |
| 26 05 19 16-0313 | MLF | 1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 15,427.14 | 2,341.35 |
| 26 05 19 16-0314 | MLF | #8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 1,523.21 | 409.00 |
| 26 05 19 16-0315 | MLF | #6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 1,712.83 | 460.71 |
| 26 05 19 16-0316 | MLF | #4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 2,108.50 | 566.79 |
| 26 05 19 16-0317 | MLF | #2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 2,675.73 | 694.77 |
| 26 05 19 16-0318 | MLF | #1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 3,419.49 | 817.89 |
| 26 05 19 16-0319 | MLF | 1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 3,954.32 | 921.78 |
| 26 05 19 16-0320 | MLF | 2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 4,509.23 | 1,023.83 |
| 26 05 19 16-0321 | MLF | 3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 5,214.44 | 1,117.01 |
| 26 05 19 16-0322 | MLF | 4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 5,663.21 | 1,188.76 |
| 26 05 19 16-0323 | MLF | 250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 6,465.32 | 1,271.93 |
| 26 05 19 16-0324 | MLF | 300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 7,946.03 | 1,363.15 |
| 26 05 19 16-0325 | MLF | 350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 8,294.49 | 1,472.57 |
| 26 05 19 16-0326 | MLF | 400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 9,408.09 | 1,605.83 |
| 26 05 19 16-0327 | MLF | 500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 10,556.27 | 1,842.87 |
| 26 05 19 16-0328 | MLF | 600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 12,386.28 | 1,939.40 |
| 26 05 19 16-0329 | MLF | 700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 13,813.20 | 2,044.66 |
| 26 05 19 16-0330 | MLF | 750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 14,222.86 | 2,172.98 |
| 26 05 19 16-0331 | MLF | 1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 20,700.15 | 3,045.35 |
| 26 05 19 16-0332 | MLF | #6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 1,604.66 | 460.71 |
| 26 05 19 16-0333 | MLF | #4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 1,998.83 | 566.68 |
| 26 05 19 16-0334 | MLF | #2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 2,489.73 | 695.69 |
| 26 05 19 16-0335 | MLF | #1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 3,107.03 | 813.29 |
| 26 05 19 16-0336 | MLF | 1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 3,510.01 | 917.52 |
| 26 05 19 16-0337 | MLF | 2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 3,967.06 | 1,017.49 |
| 26 05 19 16-0338 | MLF | 3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 4,578.17 | 1,117.01 |
| 26 05 19 16-0339 | MLF | 4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 4,990.46 | 1,188.76 |
| 26 05 19 16-0340 | MLF | 250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 5,636.25 | 1,271.12 |
| 26 05 19 16-0341 | MLF | 300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 6,776.32 | 1,364.87 |
| 26 05 19 16-0342 | MLF | 350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 7,179.91 | 1,474.53 |
| 26 05 19 16-0343 | MLF | 400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 7,938.96 | 1,602.14 |
| 26 05 19 16-0344 | MLF | 500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 9,135.84 | 1,842.87 |
| 26 05 19 16-0345 | MLF | 600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 10,399.25 | 1,934.21 |
| 26 05 19 16-0346 | MLF | 700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 11,503.64 | 2,044.66 |
| 26 05 19 16-0347 | MLF | 750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit | 11,963.24 | 2,166.41 |
| **26 05 19 16-0348** | | **600 Volt, Single Stranded Copper, Low Smoke Zero Halogen** *(26 05 19 16-0012)* | | |
| 26 05 19 16-0349 | MLF | #14 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 729.85 | 184.75 |
| 26 05 19 16-0350 | MLF | #12 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 933.83 | 220.23 |
| 26 05 19 16-0351 | MLF | #10 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 1,268.47 | 277.01 |
| 26 05 19 16-0352 | MLF | #8 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 1,915.22 | 365.12 |
| 26 05 19 16-0353 | MLF | #6 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 2,759.46 | 440.91 |
| 26 05 19 16-0354 | MLF | #4 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 3,599.76 | 521.07 |
| 26 05 19 16-0355 | MLF | #3 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 4,333.97 | 589.83 |
| 26 05 19 16-0356 | MLF | #2 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 5,266.31 | 660.55 |
| 26 05 19 16-0357 | MLF | #1 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 6,042.09 | 745.44 |
| 26 05 19 16-0358 | MLF | 1/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 6,921.92 | 816.27 |
| 26 05 19 16-0359 | MLF | 2/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 7,983.17 | 902.08 |
| 26 05 19 16-0360 | MLF | 3/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 9,661.90 | 954.15 |
| 26 05 19 16-0361 | MLF | 4/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 11,738.73 | 1,073.47 |
| 26 05 19 16-0362 | MLF | 250 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 13,358.77 | 1,142.01 |
| 26 05 19 16-0363 | MLF | 300 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 15,717.48 | 1,293.35 |
| 26 05 19 16-0364 | MLF | 350 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 18,232.55 | 1,431.33 |
| 26 05 19 16-0365 | MLF | 400 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 19,959.83 | 1,470.50 |
| 26 05 19 16-0366 | MLF | 500 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 24,068.14 | 1,555.73 |
| 26 05 19 16-0367 | MLF | 600 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 28,781.24 | 1,830.78 |
| 26 05 19 16-0368 | MLF | 750 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 37,477.46 | 2,168.59 |
| 26 05 19 16-0369 | MLF | 1,000 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit | 48,780.92 | 2,618.26 |
| **26 05 19 16-0370** | | **Non-Metallic Sheathed Cable** *(26 05 19 16-0012)* | | |
| **26 05 19 16-0371** | | **Indoor Installation** *(26 05 19 16-0370)* | | |
| | | Note: For NM, NM-B, NMC-B and NMS-B. | | |
| 26 05 19 16-0372 | MLF | #14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 3,361.92 | 875.25 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *328.21* | |
| 26 05 19 16-0373 | MLF | #14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 4,258.56 | 1,059.65 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *397.39* | |
| 26 05 19 16-0374 | MLF | #14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 6,684.55 | 1,172.52 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *439.70* | |
| 26 05 19 16-0375 | MLF | #12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 4,387.46 | 995.15 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *354.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0376 | MLF | #12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 6,593.00 | 1,105.49 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *414.57* | |
| 26 05 19 16-0377 | MLF | #12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 9,008.88 | 1,234.72 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *463.02* | |
| 26 05 19 16-0378 | MLF | #10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 5,560.90 | 1,106.07 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *414.79* | |
| 26 05 19 16-0379 | MLF | #10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 9,325.60 | 1,290.24 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *483.84* | |
| 26 05 19 16-0380 | MLF | #10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 11,188.13 | 1,474.30 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *552.86* | |
| 26 05 19 16-0381 | MLF | #8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 11,368.96 | 1,324.56 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *471.66* | |
| 26 05 19 16-0382 | MLF | #8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 14,615.75 | 1,601.00 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *570.14* | |
| 26 05 19 16-0383 | MLF | #6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 15,145.92 | 1,508.85 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *535.58* | |
| 26 05 19 16-0384 | MLF | #6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 20,422.13 | 1,819.83 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *647.88* | |
| 26 05 19 16-0385 | MLF | #4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 49,537.83 | 2,004.12 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *712.67* | |
| 26 05 19 16-0386 | MLF | #2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable | 57,952.26 | 2,176.90 |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *777.46* | |

### 26 05 19 16-0387 Direct Burial Cable *(26 05 19 16-0370)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

| | | | | |
|---|---|---|---|---|
| 26 05 19 16-0388 | MLF | #14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench | 2,553.20 | |
| 26 05 19 16-0389 | MLF | #14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench | 3,307.29 | |
| 26 05 19 16-0390 | MLF | #12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench | 3,225.04 | |
| 26 05 19 16-0391 | MLF | #12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench | 4,060.25 | |
| 26 05 19 16-0392 | MLF | #10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench | 3,469.53 | |
| 26 05 19 16-0393 | MLF | #10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench | 4,874.92 | |
| 26 05 19 16-0394 | MLF | #8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench | 5,171.10 | |
| 26 05 19 16-0395 | MLF | #8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench | 6,571.90 | |
| 26 05 19 16-0396 | MLF | #6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench | 6,466.08 | |
| 26 05 19 16-0397 | MLF | #6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench | 8,409.68 | |

### 26 05 19 16-0398 SEU Cable Copper, 3 Conductor *(26 05 19 16-0370)*

| | | | | |
|---|---|---|---|---|
| 26 05 19 16-0399 | MLF | 12-12-12 Cable SEU Copper | 3,367.75 | 1,109.77 |
| 26 05 19 16-0400 | MLF | 10-10-10 Cable SEU Copper | 4,212.43 | 1,260.68 |
| 26 05 19 16-0401 | MLF | 8-8-8 Cable SEU Copper | 5,224.82 | 1,411.70 |
| 26 05 19 16-0402 | MLF | 6-6-8 Cable SEU Copper | 6,289.83 | 1,513.44 |
| 26 05 19 16-0403 | MLF | 6-6-6 Cable SEU Copper | 6,759.49 | 1,564.11 |
| 26 05 19 16-0404 | MLF | 4-4-6 Cable SEU Copper | 8,220.43 | 1,715.15 |
| 26 05 19 16-0405 | MLF | 4-4-4 Cable SEU Copper | 8,849.26 | 1,765.70 |
| 26 05 19 16-0406 | MLF | 3-3-5 Cable SEU Copper | 10,289.57 | 1,915.97 |
| 26 05 19 16-0407 | MLF | 3-3-3 Cable SEU Copper | 10,927.52 | 2,017.08 |
| 26 05 19 16-0408 | MLF | 2-2-4 Cable SEU Copper | 11,670.03 | 2,118.81 |
| 26 05 19 16-0409 | MLF | 2-2-2 Cable SEU Copper | 12,472.46 | 2,219.55 |
| 26 05 19 16-0410 | MLF | 1-1-1 Cable SEU Copper | 15,248.31 | 2,521.35 |
| 26 05 19 16-0411 | MLF | 1/0-1/0-1/0 Cable SEU Copper | 18,130.29 | 2,826.69 |
| 26 05 19 16-0412 | MLF | 2/0-2/0-2/0 Cable SEU Copper | 21,811.85 | 3,183.59 |
| 26 05 19 16-0413 | MLF | 3/0-3/0-3/0 Cable SEU Copper | 26,215.50 | 3,541.24 |
| 26 05 19 16-0414 | MLF | 4/0-4/0-4/0 Cable SEU Copper | 29,296.75 | 3,951.96 |

### 26 05 19 16-0415 SEU Cable Aluminum, 3 Conductor *(26 05 19 16-0370)*

| | | | | |
|---|---|---|---|---|
| 26 05 19 16-0416 | MLF | 8-8-8 Cable SEU Aluminum | 4,455.17 | 1,416.49 |
| 26 05 19 16-0417 | MLF | 6-6-6 Cable SEU Aluminum | 5,066.03 | 1,556.43 |
| 26 05 19 16-0418 | MLF | 4-4-6 Cable SEU Aluminum | 5,679.75 | 1,703.67 |
| 26 05 19 16-0419 | MLF | 4-4-4 Cable SEU Aluminum | 5,945.55 | 1,775.66 |
| 26 05 19 16-0420 | MLF | 2-2-4 Cable SEU Aluminum | 7,108.63 | 2,101.17 |
| 26 05 19 16-0421 | MLF | 2-2-2 Cable SEU Aluminum | 7,541.96 | 2,211.73 |
| 26 05 19 16-0422 | MLF | 1-1-1 Cable SEU Aluminum | 9,030.87 | 2,521.35 |
| 26 05 19 16-0423 | MLF | 1/0-1/0-2 Cable SEU Aluminum | 9,556.50 | 2,654.10 |
| 26 05 19 16-0424 | MLF | 1/0-1/0-1/0 Cable SEU Aluminum | 11,526.03 | 2,801.47 |
| 26 05 19 16-0425 | MLF | 2/0-2/0-1 Cable SEU Aluminum | 10,790.92 | 3,001.67 |
| 26 05 19 16-0426 | MLF | 2/0-2/0-2/0 Cable SEU Aluminum | 11,395.49 | 3,151.69 |
| 26 05 19 16-0427 | MLF | 3/0-3/0-1/0 Cable SEU Aluminum | 12,385.83 | 3,300.19 |
| 26 05 19 16-0428 | MLF | 3/0-3/0-3/0 Cable SEU Aluminum | 13,244.76 | 3,501.90 |
| 26 05 19 16-0429 | MLF | 4/0-4/0-2/0 Cable SEU Aluminum | 14,001.96 | 3,785.81 |
| 26 05 19 16-0430 | MLF | 4/0-4/0-4/0 Cable SEU Aluminum | 14,775.67 | 3,939.61 |

### 26 05 19 16-0431 SER Cable Copper, 4 Conductor *(26 05 19 16-0370)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0432 | MLF | 6-6-6-6 Cable SER Copper | 10,555.49 | 1,816.51 |
| 26 05 19 16-0433 | MLF | 4-4-4-6 Cable SER Copper | 11,573.18 | 1,966.78 |
| 26 05 19 16-0434 | MLF | 3-3-3-5 Cable SER Copper | 14,328.74 | 2,219.55 |
| 26 05 19 16-0435 | MLF | 2-2-2-4 Cable SER Copper | 16,396.51 | 2,419.74 |
| 26 05 19 16-0436 | MLF | 1-1-1-3 Cable SER Copper | 19,107.72 | 2,770.71 |
| 26 05 19 16-0437 | MLF | 1/0-1/0-1/0-2 Cable SER Copper | 23,260.26 | 3,175.51 |
| 26 05 19 16-0438 | MLF | 2/0-2/0-2/0-1 Cable SER Copper | 29,109.46 | 3,425.76 |
| 26 05 19 16-0439 | MLF | 3/0-3/0-3/0-1/0 Cable SER Copper | 33,615.35 | 3,831.82 |
| **26 05 19 16-0440** | | **SER Cable Aluminum, 4 Conductor** *(26 05 19 16-0370)* | | |
| 26 05 19 16-0441 | MLF | 8-8-8-8 Cable SER Aluminum | 5,203.89 | 1,695.48 |
| 26 05 19 16-0442 | MLF | 6-6-6-6 Cable SER Aluminum | 5,647.49 | 1,816.51 |
| 26 05 19 16-0443 | MLF | 4-4-4-6 Cable SER Aluminum | 6,267.46 | 1,966.78 |
| 26 05 19 16-0444 | MLF | 2-2-2-4 Cable SER Aluminum | 7,848.09 | 2,419.74 |
| 26 05 19 16-0445 | MLF | 1-1-1-3 Cable SER Aluminum | 9,332.75 | 2,770.71 |
| 26 05 19 16-0446 | MLF | 1/0-1/0-1/0-2 Cable SER Aluminum | 10,580.30 | 3,175.51 |
| 26 05 19 16-0447 | MLF | 2/0-2/0-2/0-1 Cable SER Aluminum | 11,734.63 | 3,425.76 |
| 26 05 19 16-0448 | MLF | 3/0-3/0-3/0-1/0 Cable SER Aluminum | 13,304.15 | 3,831.82 |
| 26 05 19 16-0449 | MLF | 4/0-4/0-4/0-2/0 Cable SER Aluminum | 15,041.74 | 4,269.77 |
| **26 05 19 16-0450** | | **Control Tray Cable, Low Voltage** *(26 05 19 16-0011)* | | |
| | | Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit. | | |
| 26 05 19 16-0451 | MLF | 2 Conductor #18 AWG, Stranded, Type TC Control Cable | 1,159.63 | 558.73 |
| | | *For Work In Restricted Working Space, Add* | *279.37* | |
| 26 05 19 16-0452 | MLF | 3 Conductor #18 AWG, Stranded, Type TC Control Cable | 1,335.35 | 625.01 |
| | | *For Work In Restricted Working Space, Add* | *312.50* | |
| 26 05 19 16-0453 | MLF | 4 Conductor #18 AWG, Stranded, Type TC Control Cable | 1,395.18 | 624.97 |
| | | *For Work In Restricted Working Space, Add* | *312.50* | |
| 26 05 19 16-0454 | MLF | 5 Conductor #18 AWG, Stranded, Type TC Control Cable | 1,746.99 | 783.88 |
| | | *For Work In Restricted Working Space, Add* | *391.94* | |
| 26 05 19 16-0455 | MLF | 7 Conductor #18 AWG, Stranded, Type TC Control Cable | 2,195.73 | 955.24 |
| | | *For Work In Restricted Working Space, Add* | *477.62* | |
| 26 05 19 16-0456 | MLF | 9 Conductor #18 AWG, Stranded, Type TC Control Cable | 2,501.22 | 1,050.43 |
| | | *For Work In Restricted Working Space, Add* | *525.22* | |
| 26 05 19 16-0457 | MLF | 12 Conductor #18 AWG, Stranded, Type TC Control Cable | 2,968.18 | 1,193.55 |
| | | *For Work In Restricted Working Space, Add* | *596.78* | |
| 26 05 19 16-0458 | MLF | 15 Conductor #18 AWG, Stranded, Type TC Control Cable | 3,747.53 | 1,458.86 |
| | | *For Work In Restricted Working Space, Add* | *729.43* | |
| 26 05 19 16-0459 | MLF | 19 Conductor #18 AWG, Stranded, Type TC Control Cable | 4,273.23 | 1,591.55 |
| | | *For Work In Restricted Working Space, Add* | *795.78* | |
| 26 05 19 16-0460 | MLF | 25 Conductor #18 AWG, Stranded, Type TC Control Cable | 5,030.51 | 1,641.31 |
| | | *For Work In Restricted Working Space, Add* | *820.65* | |
| 26 05 19 16-0461 | MLF | 30 Conductor #18 AWG, Stranded, Type TC Control Cable | 6,174.64 | 2,050.43 |
| | | *For Work In Restricted Working Space, Add* | *1,025.21* | |
| 26 05 19 16-0462 | MLF | 37 Conductor #18 AWG, Stranded, Type TC Control Cable | 7,398.29 | 2,396.31 |
| | | *For Work In Restricted Working Space, Add* | *1,198.16* | |
| 26 05 19 16-0463 | MLF | 2 Conductor #16 AWG, Stranded, Type TC Control Cable | 1,265.69 | 588.57 |
| | | *For Work In Restricted Working Space, Add* | *294.05* | |
| 26 05 19 16-0464 | MLF | 3 Conductor #16 AWG, Stranded, Type TC Control Cable | 1,463.60 | 657.91 |
| | | *For Work In Restricted Working Space, Add* | *328.95* | |
| 26 05 19 16-0465 | MLF | 4 Conductor #16 AWG, Stranded, Type TC Control Cable | 1,704.23 | 757.42 |
| | | *For Work In Restricted Working Space, Add* | *378.71* | |
| 26 05 19 16-0466 | MLF | 5 Conductor #16 AWG, Stranded, Type TC Control Cable | 1,925.89 | 825.14 |
| | | *For Work In Restricted Working Space, Add* | *412.58* | |
| 26 05 19 16-0467 | MLF | 7 Conductor #16 AWG, Stranded, Type TC Control Cable | 2,430.44 | 1,005.52 |
| | | *For Work In Restricted Working Space, Add* | *502.76* | |
| 26 05 19 16-0468 | MLF | 9 Conductor #16 AWG, Stranded, Type TC Control Cable | 2,780.99 | 1,105.72 |
| | | *For Work In Restricted Working Space, Add* | *552.86* | |
| 26 05 19 16-0469 | MLF | 12 Conductor #16 AWG, Stranded, Type TC Control Cable | 3,317.60 | 1,256.38 |
| | | *For Work In Restricted Working Space, Add* | *628.19* | |
| 26 05 19 16-0470 | MLF | 15 Conductor #16 AWG, Stranded, Type TC Control Cable | 4,204.41 | 1,535.57 |
| | | *For Work In Restricted Working Space, Add* | *767.79* | |
| 26 05 19 16-0471 | MLF | 19 Conductor #16 AWG, Stranded, Type TC Control Cable | 4,817.75 | 1,675.17 |
| | | *For Work In Restricted Working Space, Add* | *837.59* | |
| 26 05 19 16-0472 | MLF | 25 Conductor #16 AWG, Stranded, Type TC Control Cable | 5,748.25 | 1,727.69 |
| | | *For Work In Restricted Working Space, Add* | *863.85* | |
| 26 05 19 16-0473 | MLF | 30 Conductor #16 AWG, Stranded, Type TC Control Cable | 7,043.64 | 2,158.23 |
| | | *For Work In Restricted Working Space, Add* | *1,079.12* | |
| 26 05 19 16-0474 | MLF | 37 Conductor #16 AWG, Stranded, Type TC Control Cable | 8,459.60 | 2,522.43 |
| | | *For Work In Restricted Working Space, Add* | *1,261.22* | |
| 26 05 19 16-0475 | MLF | 2 Conductor #14 AWG, Stranded, Type TC Control Cable | 1,370.65 | 614.37 |
| | | *For Work In Restricted Working Space, Add* | *307.19* | |
| 26 05 19 16-0476 | MLF | 3 Conductor #14 AWG, Stranded, Type TC Control Cable | 1,634.45 | 691.08 |
| | | *For Work In Restricted Working Space, Add* | *345.54* | |
| 26 05 19 16-0477 | MLF | 4 Conductor #14 AWG, Stranded, Type TC Control Cable | 1,914.72 | 789.90 |
| | | *For Work In Restricted Working Space, Add* | *394.95* | |
| 26 05 19 16-0478 | MLF | 5 Conductor #14 AWG, Stranded, Type TC Control Cable | 2,152.04 | 850.72 |
| | | *For Work In Restricted Working Space, Add* | *425.36* | |
| 26 05 19 16-0479 | MLF | 7 Conductor #14 AWG, Stranded, Type TC Control Cable | 2,859.72 | 1,042.84 |
| | | *For Work In Restricted Working Space, Add* | *521.42* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0480 | MLF | 9 Conductor #14 AWG, Stranded, Type TC Control Cable | 3,293.24 | 1,151.79 |
| | | *For Work In Restricted Working Space, Add* | *576.01* | |
| 26 05 19 16-0481 | MLF | 12 Conductor #14 AWG, Stranded, Type TC Control Cable | 4,032.18 | 1,285.40 |
| | | *For Work In Restricted Working Space, Add* | *642.70* | |
| 26 05 19 16-0482 | MLF | 15 Conductor #14 AWG, Stranded, Type TC Control Cable | 4,816.23 | 1,535.34 |
| | | *For Work In Restricted Working Space, Add* | *767.79* | |
| 26 05 19 16-0483 | MLF | 19 Conductor #14 AWG, Stranded, Type TC Control Cable | 8,084.88 | 1,784.13 |
| | | *For Work In Restricted Working Space, Add* | *891.83* | |
| 26 05 19 16-0484 | MLF | 25 Conductor #14 AWG, Stranded, Type TC Control Cable | 7,202.57 | 2,085.90 |
| | | *For Work In Restricted Working Space, Add* | *1,043.18* | |
| 26 05 19 16-0485 | MLF | 30 Conductor #14 AWG, Stranded, Type TC Control Cable | 8,365.57 | 2,331.00 |
| | | *For Work In Restricted Working Space, Add* | *1,165.50* | |
| 26 05 19 16-0486 | MLF | 37 Conductor #14 AWG, Stranded, Type TC Control Cable | 10,072.59 | 2,724.22 |
| | | *For Work In Restricted Working Space, Add* | *1,362.11* | |
| 26 05 19 16-0487 | MLF | 2 Conductor #12 AWG, Stranded, Type TC Control Cable | 1,592.76 | 657.91 |
| | | *For Work In Restricted Working Space, Add* | *328.95* | |
| 26 05 19 16-0488 | MLF | 3 Conductor #12 AWG, Stranded, Type TC Control Cable | 1,899.44 | 727.94 |
| | | *For Work In Restricted Working Space, Add* | *363.85* | |
| 26 05 19 16-0489 | MLF | 4 Conductor #12 AWG, Stranded, Type TC Control Cable | 2,306.91 | 837.59 |
| | | *For Work In Restricted Working Space, Add* | *418.79* | |
| 26 05 19 16-0490 | MLF | 5 Conductor #12 AWG, Stranded, Type TC Control Cable | 2,607.49 | 891.49 |
| | | *For Work In Restricted Working Space, Add* | *445.75* | |
| 26 05 19 16-0491 | MLF | 7 Conductor #12 AWG, Stranded, Type TC Control Cable | 3,430.18 | 1,062.88 |
| | | *For Work In Restricted Working Space, Add* | *531.44* | |
| 26 05 19 16-0492 | MLF | 9 Conductor #12 AWG, Stranded, Type TC Control Cable | 4,228.53 | 1,256.38 |
| | | *For Work In Restricted Working Space, Add* | *628.19* | |
| 26 05 19 16-0493 | MLF | 12 Conductor #12 AWG, Stranded, Type TC Control Cable | 5,135.91 | 1,417.40 |
| | | *For Work In Restricted Working Space, Add* | *708.70* | |
| 26 05 19 16-0494 | MLF | 15 Conductor #12 AWG, Stranded, Type TC Control Cable | 6,109.18 | 1,626.10 |
| | | *For Work In Restricted Working Space, Add* | *813.05* | |
| 26 05 19 16-0495 | MLF | 19 Conductor #12 AWG, Stranded, Type TC Control Cable | 7,218.62 | 1,843.10 |
| | | *For Work In Restricted Working Space, Add* | *921.55* | |
| 26 05 19 16-0496 | MLF | 25 Conductor #12 AWG, Stranded, Type TC Control Cable | 9,232.49 | 2,154.09 |
| | | *For Work In Restricted Working Space, Add* | *1,077.05* | |
| 26 05 19 16-0497 | MLF | 30 Conductor #12 AWG, Stranded, Type TC Control Cable | 10,692.79 | 2,517.60 |
| | | *For Work In Restricted Working Space, Add* | *1,258.79* | |
| 26 05 19 16-0498 | MLF | 37 Conductor #12 AWG, Stranded, Type TC Control Cable | 12,926.05 | 2,942.60 |
| | | *For Work In Restricted Working Space, Add* | *1,471.30* | |
| 26 05 19 16-0499 | MLF | 2 Conductor #10 AWG, Stranded, Type TC Control Cable | 1,892.77 | 691.08 |
| | | *For Work In Restricted Working Space, Add* | *345.54* | |
| 26 05 19 16-0500 | MLF | 3 Conductor #10 AWG, Stranded, Type TC Control Cable | 2,356.84 | 757.88 |
| | | *For Work In Restricted Working Space, Add* | *378.71* | |
| 26 05 19 16-0501 | MLF | 4 Conductor #10 AWG, Stranded, Type TC Control Cable | 2,867.33 | 863.85 |
| | | *For Work In Restricted Working Space, Add* | *431.93* | |
| 26 05 19 16-0502 | MLF | 5 Conductor #10 AWG, Stranded, Type TC Control Cable | 3,329.31 | 937.10 |
| | | *For Work In Restricted Working Space, Add* | *468.55* | |
| 26 05 19 16-0503 | MLF | 7 Conductor #10 AWG, Stranded, Type TC Control Cable | 4,502.81 | 1,176.21 |
| | | *For Work In Restricted Working Space, Add* | *588.11* | |
| 26 05 19 16-0504 | MLF | 9 Conductor #10 AWG, Stranded, Type TC Control Cable | 5,334.85 | 1,316.50 |
| | | *For Work In Restricted Working Space, Add* | *658.25* | |
| 26 05 19 16-0505 | MLF | 12 Conductor #10 AWG, Stranded, Type TC Control Cable | 6,216.61 | 1,535.57 |
| | | *For Work In Restricted Working Space, Add* | *767.79* | |
| 26 05 19 16-0506 | MLF | 15 Conductor #10 AWG, Stranded, Type TC Control Cable | 7,345.41 | 1,756.03 |
| | | *For Work In Restricted Working Space, Add* | *878.01* | |
| 26 05 19 16-0507 | MLF | 19 Conductor #10 AWG, Stranded, Type TC Control Cable | 8,707.98 | 1,990.30 |
| | | *For Work In Restricted Working Space, Add* | *995.15* | |
| 26 05 19 16-0508 | MLF | 25 Conductor #10 AWG, Stranded, Type TC Control Cable | 11,211.99 | 2,326.17 |
| | | *For Work In Restricted Working Space, Add* | *1,163.09* | |
| 26 05 19 16-0509 | MLF | 30 Conductor #10 AWG, Stranded, Type TC Control Cable | 12,977.02 | 2,718.70 |
| | | *For Work In Restricted Working Space, Add* | *1,359.35* | |
| 26 05 19 16-0510 | MLF | 37 Conductor #10 AWG, Stranded, Type TC Control Cable | 15,725.32 | 3,178.26 |
| | | *For Work In Restricted Working Space, Add* | *1,589.13* | |

### 26 05 19 16-0511 Multi-Conductor Cords, Cables And Associated Equipment *(26 05 19 16-0011)*

### 26 05 19 16-0512 Multi-Conductor Cords *(26 05 19 16-0511)*

Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.

### 26 05 19 16-0513 Multi-Conductor Type SOOW And SJOOW Cord *(26 05 19 16-0512)*

Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.

### 26 05 19 16-0514 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0513)*

### 26 05 19 16-0515 #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0514)*

| | | | | |
|---|---|---|---|---|
| 26 05 19 16-0516 | LF | 2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.12 | 0.50 |
| 26 05 19 16-0517 | LF | 3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.16 | 0.50 |
| 26 05 19 16-0518 | LF | 4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.26 | 0.50 |

### 26 05 19 16-0519 #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0514)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0520 | LF | 2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.31 | 0.50 |
| 26 05 19 16-0521 | LF | 3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.37 | 0.50 |
| 26 05 19 16-0522 | LF | 4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.45 | 0.50 |
| 26 05 19 16-0523 | | #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0514)* | | |
| 26 05 19 16-0524 | LF | 2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.42 | 0.50 |
| 26 05 19 16-0525 | LF | 3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.52 | 0.50 |
| 26 05 19 16-0526 | LF | 4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.70 | 0.50 |
| 26 05 19 16-0527 | | #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0514)* | | |
| 26 05 19 16-0528 | LF | 2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.58 | 0.50 |
| 26 05 19 16-0529 | LF | 3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.69 | 0.50 |
| 26 05 19 16-0530 | LF | 4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.85 | 0.50 |
| 26 05 19 16-0531 | | #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0514)* | | |
| 26 05 19 16-0532 | LF | 2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 1.96 | 0.63 |
| 26 05 19 16-0533 | LF | 3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 2.04 | 0.63 |
| 26 05 19 16-0534 | LF | 4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene) | 2.16 | 0.63 |
| 26 05 19 16-0535 | | 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0513)* | | |
| 26 05 19 16-0536 | | #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0535)* | | |
| 26 05 19 16-0537 | LF | 2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.16 | 0.50 |
| 26 05 19 16-0538 | LF | 3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.23 | 0.50 |
| 26 05 19 16-0539 | LF | 4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.32 | 0.50 |
| 26 05 19 16-0540 | LF | 5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 2.12 | 0.68 |
| 26 05 19 16-0541 | LF | 6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 2.28 | 0.70 |
| 26 05 19 16-0542 | LF | 7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 2.42 | 0.72 |
| 26 05 19 16-0543 | LF | 8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 2.62 | 0.74 |
| 26 05 19 16-0544 | LF | 10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 2.96 | 0.77 |
| 26 05 19 16-0545 | LF | 12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 3.32 | 0.79 |
| 26 05 19 16-0546 | LF | 14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 4.23 | 0.81 |
| 26 05 19 16-0547 | LF | 16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 4.31 | 0.83 |
| 26 05 19 16-0548 | LF | 18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 4.43 | 0.85 |
| 26 05 19 16-0549 | LF | 20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 4.88 | 0.87 |
| 26 05 19 16-0550 | LF | 24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 6.02 | 0.89 |
| 26 05 19 16-0551 | LF | 30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 6.29 | 0.94 |
| 26 05 19 16-0552 | | #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0535)* | | |
| 26 05 19 16-0553 | LF | 2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.37 | 0.50 |
| 26 05 19 16-0554 | LF | 3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.43 | 0.50 |
| 26 05 19 16-0555 | LF | 4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.54 | 0.50 |
| 26 05 19 16-0556 | LF | 5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 2.19 | 0.68 |
| 26 05 19 16-0557 | LF | 6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 2.38 | 0.70 |
| 26 05 19 16-0558 | LF | 7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 2.58 | 0.72 |
| 26 05 19 16-0559 | LF | 8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 2.82 | 0.74 |
| 26 05 19 16-0560 | LF | 9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 2.93 | 0.75 |
| 26 05 19 16-0561 | LF | 10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 3.21 | 0.77 |
| 26 05 19 16-0562 | LF | 12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 3.68 | 0.79 |
| 26 05 19 16-0563 | LF | 14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 3.92 | 0.81 |
| 26 05 19 16-0564 | LF | 16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 4.37 | 0.83 |
| 26 05 19 16-0565 | LF | 18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 4.99 | 0.85 |
| 26 05 19 16-0566 | LF | 20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 5.54 | 0.87 |
| 26 05 19 16-0567 | LF | 24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 6.59 | 0.89 |
| 26 05 19 16-0568 | LF | 26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 7.20 | 0.91 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0569 | LF | 30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 8.31 | 0.94 |
| **26 05 19 16-0570** | | **#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)* | | |
| 26 05 19 16-0571 | LF | 2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.53 | 0.50 |
| 26 05 19 16-0572 | LF | 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.60 | 0.50 |
| 26 05 19 16-0573 | LF | 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.77 | 0.50 |
| 26 05 19 16-0574 | LF | 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 2.72 | 0.68 |
| 26 05 19 16-0575 | LF | 6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 3.18 | 0.70 |
| 26 05 19 16-0576 | LF | 7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 3.36 | 0.72 |
| 26 05 19 16-0577 | LF | 8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 3.73 | 0.74 |
| 26 05 19 16-0578 | LF | 9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 3.99 | 0.75 |
| 26 05 19 16-0579 | LF | 10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 4.41 | 0.77 |
| 26 05 19 16-0580 | LF | 12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 4.81 | 0.79 |
| 26 05 19 16-0581 | LF | 14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 5.27 | 0.81 |
| 26 05 19 16-0582 | LF | 16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 6.24 | 0.83 |
| 26 05 19 16-0583 | LF | 20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 6.97 | 0.87 |
| 26 05 19 16-0584 | LF | 24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 8.13 | 0.89 |
| 26 05 19 16-0585 | LF | 30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 9.55 | 0.94 |
| **26 05 19 16-0586** | | **#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)* | | |
| 26 05 19 16-0587 | LF | 2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.70 | 0.50 |
| 26 05 19 16-0588 | LF | 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.83 | 0.50 |
| 26 05 19 16-0589 | LF | 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.95 | 0.50 |
| 26 05 19 16-0590 | LF | 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 3.05 | 0.68 |
| 26 05 19 16-0591 | LF | 6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 3.48 | 0.70 |
| 26 05 19 16-0592 | LF | 7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 3.93 | 0.72 |
| 26 05 19 16-0593 | LF | 8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 4.40 | 0.74 |
| 26 05 19 16-0594 | LF | 9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 4.74 | 0.75 |
| 26 05 19 16-0595 | LF | 10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 5.32 | 0.77 |
| 26 05 19 16-0596 | LF | 12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 6.00 | 0.79 |
| 26 05 19 16-0597 | LF | 14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 6.63 | 0.81 |
| 26 05 19 16-0598 | LF | 16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 7.26 | 0.83 |
| 26 05 19 16-0599 | LF | 18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 7.58 | 0.85 |
| 26 05 19 16-0600 | LF | 20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 8.67 | 0.87 |
| 26 05 19 16-0601 | LF | 24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 9.78 | 0.89 |
| 26 05 19 16-0602 | LF | 26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 10.90 | 0.91 |
| 26 05 19 16-0603 | LF | 28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 11.26 | 0.92 |
| 26 05 19 16-0604 | LF | 30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 11.66 | 0.94 |
| **26 05 19 16-0605** | | **#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)* | | |
| 26 05 19 16-0606 | LF | 2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 1.93 | 0.63 |
| 26 05 19 16-0607 | LF | 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 2.04 | 0.63 |
| 26 05 19 16-0608 | LF | 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 2.15 | 0.63 |
| 26 05 19 16-0609 | LF | 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 2.70 | 0.68 |
| 26 05 19 16-0610 | LF | 6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 4.16 | 0.70 |
| 26 05 19 16-0611 | LF | 7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 4.83 | 0.72 |
| 26 05 19 16-0612 | LF | 10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 6.13 | 0.77 |
| 26 05 19 16-0613 | LF | 12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 6.96 | 0.79 |
| 26 05 19 16-0614 | LF | 16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 8.76 | 0.83 |
| 26 05 19 16-0615 | LF | 20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron) | 12.54 | 0.87 |
| **26 05 19 16-0616** | | **#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)* | | |
| 26 05 19 16-0617 | LF | 3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 3.61 | 0.75 |
| 26 05 19 16-0618 | LF | 4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 3.90 | 0.88 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0619 | LF | 5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 5.13 | 0.88 |
| **26 05 19 16-0620** | | **#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)* | | |
| 26 05 19 16-0621 | LF | 3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 4.98 | 0.88 |
| 26 05 19 16-0622 | LF | 4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 5.99 | 1.01 |
| 26 05 19 16-0623 | LF | 5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 7.19 | 1.26 |
| **26 05 19 16-0624** | | **#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)* | | |
| 26 05 19 16-0625 | LF | 3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 7.82 | 1.26 |
| 26 05 19 16-0626 | LF | 4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 8.54 | 1.38 |
| 26 05 19 16-0627 | LF | 5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 10.21 | 1.51 |
| **26 05 19 16-0628** | | **#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)* | | |
| 26 05 19 16-0629 | LF | 3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 12.22 | 2.53 |
| 26 05 19 16-0630 | LF | 4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 15.51 | 3.15 |
| 26 05 19 16-0631 | LF | 5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene) | 19.08 | 4.16 |
| **26 05 19 16-0632** | | **300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0513)* | | |
| **26 05 19 16-0633** | | **#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0632)* | | |
| 26 05 19 16-0634 | LF | 2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) | 1.46 | 0.50 |
| 26 05 19 16-0635 | LF | 3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) | 1.56 | 0.50 |
| 26 05 19 16-0636 | LF | 4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) | 1.76 | 0.50 |
| **26 05 19 16-0637** | | **#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0632)* | | |
| 26 05 19 16-0638 | LF | 2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) | 1.52 | 0.50 |
| 26 05 19 16-0639 | LF | 3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) | 1.69 | 0.50 |
| 26 05 19 16-0640 | LF | 4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) | 1.77 | 0.50 |
| **26 05 19 16-0641** | | **#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0632)* | | |
| 26 05 19 16-0642 | LF | 2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) | 1.94 | 0.50 |
| 26 05 19 16-0643 | LF | 3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) | 2.63 | 0.50 |
| 26 05 19 16-0644 | LF | 4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) | 3.28 | 0.63 |
| **26 05 19 16-0645** | | **600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0513)* | | |
| **26 05 19 16-0646** | | **#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0645)* | | |
| 26 05 19 16-0647 | LF | 2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 1.89 | 0.50 |
| 26 05 19 16-0648 | LF | 3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 2.18 | 0.50 |
| 26 05 19 16-0649 | LF | 4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 2.48 | 0.50 |
| **26 05 19 16-0650** | | **#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0645)* | | |
| 26 05 19 16-0651 | LF | 2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 1.99 | 0.50 |
| 26 05 19 16-0652 | LF | 3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 2.29 | 0.50 |
| 26 05 19 16-0653 | LF | 4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 2.75 | 0.50 |
| 26 05 19 16-0654 | LF | 5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 2.98 | 0.63 |
| **26 05 19 16-0655** | | **#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0645)* | | |
| 26 05 19 16-0656 | LF | 3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 2.36 | 0.50 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0657 | LF | 4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 2.74 | 0.50 |
| 26 05 19 16-0658 | LF | 5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 3.04 | 0.63 |
| 26 05 19 16-0659 | | #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0645)* | | |
| 26 05 19 16-0660 | LF | 3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 2.71 | 0.50 |
| 26 05 19 16-0661 | LF | 4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 3.05 | 0.50 |
| 26 05 19 16-0662 | LF | 5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 3.39 | 0.63 |
| 26 05 19 16-0663 | | #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0645)* | | |
| 26 05 19 16-0664 | LF | 3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 3.08 | 0.63 |
| 26 05 19 16-0665 | LF | 4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 3.38 | 0.63 |
| 26 05 19 16-0666 | LF | 5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) | 3.71 | 0.63 |
| 26 05 19 16-0667 | | Multi-Conductor Type SEOW Cord *(26 05 19 16-0512)*<br>Note: Includes thermoplastic elastomeric (TPE) insulation. | | |
| 26 05 19 16-0668 | | 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0667)* | | |
| 26 05 19 16-0669 | | #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0668)* | | |
| 26 05 19 16-0670 | LF | 3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord | 1.53 | 0.50 |
| 26 05 19 16-0671 | LF | 4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord | 1.65 | 0.50 |
| 26 05 19 16-0672 | LF | 5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord | 2.32 | 0.63 |
| 26 05 19 16-0673 | | #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0668)* | | |
| 26 05 19 16-0674 | LF | 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord | 1.88 | 0.50 |
| 26 05 19 16-0675 | LF | 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord | 2.10 | 0.50 |
| 26 05 19 16-0676 | LF | 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord | 2.87 | 0.63 |
| 26 05 19 16-0677 | | #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0668)* | | |
| 26 05 19 16-0678 | LF | 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord | 2.24 | 0.50 |
| 26 05 19 16-0679 | LF | 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord | 2.53 | 0.50 |
| 26 05 19 16-0680 | LF | 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord | 3.10 | 0.63 |
| 26 05 19 16-0681 | | #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0668)* | | |
| 26 05 19 16-0682 | LF | 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord | 2.76 | 0.63 |
| 26 05 19 16-0683 | LF | 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord | 3.10 | 0.63 |
| 26 05 19 16-0684 | LF | 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord | 3.32 | 0.63 |
| 26 05 19 16-0685 | | Multi-Conductor Type W Cord *(26 05 19 16-0512)*<br>Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation. | | |
| 26 05 19 16-0686 | | 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0685)* | | |
| 26 05 19 16-0687 | | #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0686)* | | |
| 26 05 19 16-0688 | LF | 3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) | 3.90 | 0.75 |
| 26 05 19 16-0689 | LF | 4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) | 4.17 | 0.88 |
| 26 05 19 16-0690 | LF | 5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) | 4.86 | 0.88 |
| 26 05 19 16-0691 | | #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0686)* | | |
| 26 05 19 16-0692 | LF | 3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) | 4.21 | 0.88 |
| 26 05 19 16-0693 | LF | 4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) | 5.00 | 1.01 |
| 26 05 19 16-0694 | LF | 5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) | 6.19 | 1.26 |
| 26 05 19 16-0695 | | #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0686)* | | |
| 26 05 19 16-0696 | LF | 3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) | 5.47 | 0.88 |
| 26 05 19 16-0697 | LF | 4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) | 6.46 | 1.01 |
| 26 05 19 16-0698 | LF | 5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron) | 8.23 | 1.26 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0699 | | Cord Grips, Cable Reels, Extension Cords, And Accessories *(26 05 19 16-0511)* | | |
| 26 05 19 16-0700 | | Cord Grips *(26 05 19 16-0699)* | | |
| 26 05 19 16-0701 | EA | Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel | 80.18 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.92* | |
| 26 05 19 16-0702 | EA | Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel | 80.60 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.92* | |
| 26 05 19 16-0703 | | Cable Reels *(26 05 19 16-0699)* | | |
| | | Note: Includes handling, mounting, electrical connections and installing cord. See CSI section 26 05 19 16-0511 for cords. | | |
| 26 05 19 16-0704 | EA | 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A) | 675.04 | 63.03 |
| 26 05 19 16-0705 | EA | 50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1) | 1,854.55 | 63.03 |
| 26 05 19 16-0706 | EA | 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K) | 1,388.30 | 63.03 |
| 26 05 19 16-0707 | | Extension Cords For Cable Reel *(26 05 19 16-0699)* | | |
| 26 05 19 16-0708 | EA | 100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord | 212.68 | |
| 26 05 19 16-0709 | EA | 100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord | 302.77 | |
| 26 05 19 16-0710 | | Plugs And Connector Bodies *(26 05 19 16-0699)* | | |
| | | Note: Up to 277 volt | | |
| 26 05 19 16-0711 | | NEMA Twist-Lock Plugs *(26 05 19 16-0710)* | | |
| 26 05 19 16-0712 | EA | 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C) | 83.08 | |
| 26 05 19 16-0713 | EA | 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK) | 84.63 | |
| 26 05 19 16-0714 | EA | 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C) | 78.13 | |
| 26 05 19 16-0715 | EA | 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331) | 82.89 | |
| 26 05 19 16-0716 | EA | 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411) | 105.19 | |
| 26 05 19 16-0717 | EA | 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441) | 111.24 | |
| 26 05 19 16-0718 | EA | 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK) | 117.15 | |
| 26 05 19 16-0719 | EA | 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK) | 106.09 | |
| 26 05 19 16-0720 | EA | 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK) | 120.62 | |
| 26 05 19 16-0721 | EA | 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761) | 123.45 | |
| 26 05 19 16-0722 | EA | 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK) | 127.05 | |
| 26 05 19 16-0723 | | NEMA Twist-Lock Connector Bodies *(26 05 19 16-0710)* | | |
| 26 05 19 16-0724 | EA | 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C) | 87.45 | |
| 26 05 19 16-0725 | EA | 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C) | 92.92 | |
| 26 05 19 16-0726 | EA | 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C) | 81.41 | |
| 26 05 19 16-0727 | EA | 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK) | 106.09 | |
| 26 05 19 16-0728 | EA | 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK) | 122.03 | |
| 26 05 19 16-0729 | EA | 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443) | 129.75 | |
| 26 05 19 16-0730 | EA | 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK) | 155.71 | |
| 26 05 19 16-0731 | EA | 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK) | 149.16 | |
| 26 05 19 16-0732 | EA | 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK) | 181.68 | |
| 26 05 19 16-0733 | EA | 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753) | 190.29 | |
| 26 05 19 16-0734 | EA | 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK) | 180.91 | |
| 26 05 19 16-0735 | | Watertight Pin And Sleeve Plug *(26 05 19 16-0710)* | | |
| 26 05 19 16-0736 | EA | 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W) | 284.83 | 37.82 |
| 26 05 19 16-0737 | EA | 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W) | 287.86 | 37.82 |
| 26 05 19 16-0738 | EA | 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W) | 311.42 | 37.82 |
| 26 05 19 16-0739 | EA | 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W) | 311.89 | 41.60 |
| 26 05 19 16-0740 | EA | 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W) | 307.32 | 41.60 |
| 26 05 19 16-0741 | EA | 20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W) | 308.68 | 41.60 |
| 26 05 19 16-0742 | EA | 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W) | 434.62 | 46.52 |
| 26 05 19 16-0743 | EA | 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W) | 423.24 | 46.52 |
| 26 05 19 16-0744 | EA | 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W) | 472.12 | 46.52 |
| 26 05 19 16-0745 | EA | 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W) | 463.79 | 51.06 |
| 26 05 19 16-0746 | EA | 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W) | 444.03 | 51.06 |
| 26 05 19 16-0747 | EA | 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W) | 457.62 | 51.06 |
| 26 05 19 16-0748 | EA | 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W) | 590.56 | 60.51 |
| 26 05 19 16-0749 | EA | 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W) | 601.40 | 60.51 |
| 26 05 19 16-0750 | EA | 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W) | 575.70 | 60.51 |
| 26 05 19 16-0751 | EA | 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W) | 655.64 | 67.32 |
| 26 05 19 16-0752 | EA | 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W) | 638.78 | 67.32 |
| 26 05 19 16-0753 | EA | 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W) | 646.07 | 67.32 |
| 26 05 19 16-0754 | EA | 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W) | 810.53 | 75.64 |
| 26 05 19 16-0755 | EA | 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W) | 852.39 | 75.64 |
| 26 05 19 16-0756 | EA | 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W) | 830.93 | 83.21 |
| 26 05 19 16-0757 | EA | 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W) | 816.63 | 83.21 |
| 26 05 19 16-0758 | EA | 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W) | 824.35 | 83.21 |
| 26 05 19 16-0759 | | Watertight Pin And Sleeve Connector *(26 05 19 16-0710)* | | |


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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 19 16-0760 | | EA | 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W) | 302.28 | 37.82 |
| 26 05 19 16-0761 | | EA | 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W) | 304.38 | 37.82 |
| 26 05 19 16-0762 | | EA | 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W) | 358.63 | 37.82 |
| 26 05 19 16-0763 | | EA | 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W) | 355.85 | 41.60 |
| 26 05 19 16-0764 | | EA | 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W) | 350.34 | 41.60 |
| 26 05 19 16-0765 | | EA | 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W) | 355.32 | 41.60 |
| 26 05 19 16-0766 | | EA | 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W) | 445.04 | 46.52 |
| 26 05 19 16-0767 | | EA | 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W) | 444.93 | 46.52 |
| 26 05 19 16-0768 | | EA | 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W) | 463.64 | 46.52 |
| 26 05 19 16-0769 | | EA | 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W) | 458.71 | 51.06 |
| 26 05 19 16-0770 | | EA | 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W) | 462.57 | 51.06 |
| 26 05 19 16-0771 | | EA | 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W) | 458.50 | 51.06 |
| 26 05 19 16-0772 | | EA | 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W) | 697.49 | 60.51 |
| 26 05 19 16-0773 | | EA | 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W) | 674.58 | 60.51 |
| 26 05 19 16-0774 | | EA | 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W) | 660.92 | 60.51 |
| 26 05 19 16-0775 | | EA | 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W) | 719.29 | 67.32 |
| 26 05 19 16-0776 | | EA | 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W) | 739.21 | 67.32 |
| 26 05 19 16-0777 | | EA | 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W) | 740.67 | 67.32 |
| 26 05 19 16-0778 | | EA | 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W) | 927.82 | 75.64 |
| 26 05 19 16-0779 | | EA | 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W) | 954.10 | 75.64 |
| 26 05 19 16-0780 | | EA | 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W) | 1,030.97 | 83.21 |
| 26 05 19 16-0781 | | EA | 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W) | 994.87 | 83.21 |
| 26 05 19 16-0782 | | EA | 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W) | 1,007.18 | 83.21 |

## 26 05 19 16-0783 Accessories *(26 05 19 16-0699)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 19 16-0784 | | EA | 1/2" Straight Steel Cord Connector | 64.63 | 12.61 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 05 19 16-0785 | | EA | 1/2" Straight Nylon Cord Connector | 38.62 | 9.46 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 05 19 16-0786 | | EA | 1/2" 90 Degree Steel Cord Connector | 73.88 | 15.75 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 05 19 16-0787 | | EA | 1/2" 90 Degree Nylon Cord Connector | 46.39 | 12.61 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 05 19 16-0788 | | EA | 1/2" Straight Steel Cord Connector With Strain Relief Mesh | 72.91 | 15.75 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 05 19 16-0789 | | EA | 1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh | 126.78 | 18.91 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |
| 26 05 19 16-0790 | | EA | 1/2" Straight Nylon Cord Connector With Strain Relief Mesh | 45.63 | 12.61 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 05 19 16-0791 | | EA | 1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh | 77.47 | 15.75 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 05 19 16-0792 | | EA | 3/4" Straight Steel Cord Connector | 67.40 | 12.61 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 05 19 16-0793 | | EA | 3/4" Straight Nylon Cord Connector | 40.00 | 9.46 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 05 19 16-0794 | | EA | 3/4" 90 Degree Steel Cord Connector | 82.55 | 15.75 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 05 19 16-0795 | | EA | 3/4" 90 Degree Nylon Cord Connector | 50.72 | 12.61 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 05 19 16-0796 | | EA | 3/4" Straight Steel Cord Connector With Strain Relief Mesh | 82.12 | 18.91 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |
| 26 05 19 16-0797 | | EA | 3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh | 97.70 | 22.06 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.24* | |
| 26 05 19 16-0798 | | EA | 3/4" Straight Nylon Cord Connector With Strain Relief Mesh | 54.86 | 15.75 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 05 19 16-0799 | | EA | 3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh | 66.27 | 18.91 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |
| 26 05 19 16-0800 | | EA | 1" Straight Steel Cord Connector | 85.20 | 12.61 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 05 19 16-0801 | | EA | 1" Straight Nylon Cord Connector | 48.90 | 9.46 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 05 19 16-0802 | | EA | 1" 90 Degree Steel Cord Connector | 94.31 | 15.75 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 05 19 16-0803 | | EA | 1" 90 Degree Nylon Cord Connector | 56.60 | 12.61 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 05 19 16-0804 | | EA | 1" Straight Steel Cord Connector With Strain Relief Mesh | 100.81 | 18.91 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |
| 26 05 19 16-0805 | | EA | 1" 90 Degree Steel Cord Connector With Strain Relief Mesh | 110.04 | 22.06 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.24* | |
| 26 05 19 16-0806 | | EA | 1" Straight Nylon Cord Connector With Strain Relief Mesh | 64.34 | 15.75 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 05 19 16-0807 | | EA | 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh | 74.29 | 18.91 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |

## 26 05 19 16-0808 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0011)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

## 26 05 19 16-0809 ACSR Cable *(26 05 19 16-0808)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 19 16-0810 | | MLF | #4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial) | 1,861.32 | 570.69 |
| 26 05 19 16-0811 | | MLF | #4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial) | 1,992.61 | 592.58 |
| 26 05 19 16-0812 | | MLF | #2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial) | 2,180.10 | 615.39 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 19 16-0813 | MLF | #2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial) | 2,311.72 | 637.68 |
| 26 05 19 16-0814 | MLF | 1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial) | 2,631.60 | 659.29 |
| 26 05 19 16-0815 | MLF | 2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial) | 3,089.17 | 747.38 |
| 26 05 19 16-0816 | MLF | 3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial) | 3,607.18 | 833.49 |
| 26 05 19 16-0817 | MLF | 4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial) | 4,190.60 | 920.77 |
| 26 05 19 16-0818 | MLF | 336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial) | 4,793.14 | 1,183.31 |
| 26 05 19 16-0819 | MLF | 477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial) | 5,439.52 | 1,357.36 |
| 26 05 19 16-0820 | | All Aluminum Conductors *(26 05 19 16-0808)* | | |
| 26 05 19 16-0821 | MLF | 795.0 ACSR Conductor Aluminum | 36,932.19 | 11,150.80 |
| 26 05 19 16-0822 | | Single Conductor Installed On Poles *(26 05 19 16-0011)* | | |
| 26 05 19 16-0823 | | Bare Stranded Conductor *(26 05 19 16-0822)* | | |
| 26 05 19 16-0824 | MLF | #12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 1,427.52 | 483.53 |
| 26 05 19 16-0825 | MLF | #10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 1,664.21 | 527.04 |
| 26 05 19 16-0826 | MLF | #8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 1,902.30 | 571.08 |
| 26 05 19 16-0827 | MLF | #6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 2,312.72 | 615.39 |
| 26 05 19 16-0828 | MLF | #4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 2,793.40 | 659.82 |
| 26 05 19 16-0829 | MLF | #2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 3,968.31 | 791.42 |
| 26 05 19 16-0830 | MLF | #1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 4,553.78 | 879.11 |
| 26 05 19 16-0831 | MLF | 1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 5,188.60 | 965.21 |
| 26 05 19 16-0832 | MLF | 2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 6,926.92 | 1,144.81 |
| 26 05 19 16-0833 | MLF | 3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 8,390.35 | 1,316.22 |
| 26 05 19 16-0834 | MLF | 4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 9,022.26 | 1,491.73 |
| 26 05 19 16-0835 | MLF | 250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 11,392.94 | 1,758.08 |
| 26 05 19 16-0836 | MLF | 300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 11,665.22 | 1,850.65 |
| 26 05 19 16-0837 | MLF | 350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 14,485.51 | 1,938.08 |
| 26 05 19 16-0838 | MLF | 400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 15,981.64 | 2,017.58 |
| 26 05 19 16-0839 | MLF | 500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles | 18,578.98 | 2,103.69 |
| 26 05 19 16-0840 | | Insulated Stranded Conductor *(26 05 19 16-0822)* | | |
| 26 05 19 16-0841 | MLF | #12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 1,535.12 | 483.53 |
| 26 05 19 16-0842 | MLF | #10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 1,803.05 | 527.04 |
| 26 05 19 16-0843 | MLF | #8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 2,176.38 | 571.08 |
| 26 05 19 16-0844 | MLF | #6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 2,364.60 | 615.39 |
| 26 05 19 16-0845 | MLF | #4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 2,872.55 | 659.82 |
| 26 05 19 16-0846 | MLF | #2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 3,854.00 | 791.42 |
| 26 05 19 16-0847 | MLF | #1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 4,542.37 | 879.11 |
| 26 05 19 16-0848 | MLF | 1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 5,347.76 | 965.21 |
| 26 05 19 16-0849 | MLF | 2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 6,438.15 | 1,144.81 |
| 26 05 19 16-0850 | MLF | 3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 7,709.06 | 1,316.22 |
| 26 05 19 16-0851 | MLF | 4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 9,075.41 | 1,491.73 |
| 26 05 19 16-0852 | MLF | 250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 11,067.75 | 1,758.08 |
| 26 05 19 16-0853 | MLF | 300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 12,525.99 | 1,850.65 |
| 26 05 19 16-0854 | MLF | 350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 13,717.67 | 1,938.08 |
| 26 05 19 16-0855 | MLF | 400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 15,345.00 | 2,017.58 |
| 26 05 19 16-0856 | MLF | 500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles | 17,224.87 | 2,103.69 |
| 26 05 19 16-0857 | | Bare Solid Conductor *(26 05 19 16-0822)* | | |
| 26 05 19 16-0858 | MLF | #12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles | 1,427.52 | 483.53 |
| 26 05 19 16-0859 | MLF | #8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles | 1,902.30 | 571.08 |
| 26 05 19 16-0860 | MLF | #6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles | 2,312.72 | 615.39 |
| 26 05 19 16-0861 | MLF | #4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles | 2,760.69 | 659.82 |

## 26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

### 26 05 23 00-0001 Cable For HVAC System Controls *(26 05 23)*

### 26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt *(26 05 23 00-0001)*

Note: For surface or conduit installation.

| | | | | |
|---|---|---|---|---|
| 26 05 23 00-0003 | MLF | #20/2 Conductor, Low Volt Thermostat Cable | 479.94 | 146.86 |
| 26 05 23 00-0004 | MLF | #20/3 Conductor, Low Volt Thermostat Cable | 543.23 | 154.69 |
| 26 05 23 00-0005 | MLF | #20/4 Conductor, Low Volt Thermostat Cable | 587.27 | 163.56 |
| 26 05 23 00-0006 | MLF | #20/5 Conductor, Low Volt Thermostat Cable | 693.94 | 170.47 |
| 26 05 23 00-0007 | MLF | #20/6 Conductor, Low Volt Thermostat Cable | 726.51 | 178.53 |
| 26 05 23 00-0008 | MLF | #20/7 Conductor, Low Volt Thermostat Cable | 796.49 | 185.95 |
| 26 05 23 00-0009 | MLF | #20/8 Conductor, Low Volt Thermostat Cable | 857.70 | 193.38 |
| 26 05 23 00-0010 | MLF | #20/9 Conductor, Low Volt Thermostat Cable | 927.99 | 201.10 |
| 26 05 23 00-0011 | MLF | #20/10 Conductor, Low Volt Thermostat Cable | 995.02 | 207.14 |
| 26 05 23 00-0012 | MLF | #18/2 Conductor, Low Volt Thermostat Cable | 516.63 | 146.86 |
| 26 05 23 00-0013 | MLF | #18/3 Conductor, Low Volt Thermostat Cable | 608.69 | 154.69 |
| 26 05 23 00-0014 | MLF | #18/4 Conductor, Low Volt Thermostat Cable | 691.13 | 163.56 |
| 26 05 23 00-0015 | MLF | #18/5 Conductor, Low Volt Thermostat Cable | 736.81 | 170.47 |
| 26 05 23 00-0016 | MLF | #18/6 Conductor, Low Volt Thermostat Cable | 812.63 | 178.53 |
| 26 05 23 00-0017 | MLF | #18/7 Conductor, Low Volt Thermostat Cable | 836.03 | 185.95 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 23 00-0018 | MLF | #18/8 Conductor, Low Volt Thermostat Cable | 918.04 | 193.38 |
| 26 05 23 00-0019 | MLF | #18/9 Conductor, Low Volt Thermostat Cable | 1,072.78 | 201.10 |
| 26 05 23 00-0020 | MLF | #18/10 Conductor, Low Volt Thermostat Cable | 1,173.60 | 207.14 |

## 26 05 26 Grounding and Bonding for Electrical Systems *(26 05)*

### 26 05 26 00-0001 Conductors, Straps And Conduit Jumpers *(26 05 26)*

### 26 05 26 00-0002 Single Conductor *(26 05 26 00-0001)*

### 26 05 26 00-0003 Copper Bare Stranded Conductors *(26 05 26 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0004 | MLF | 12 AWG Copper Bare Single Stranded Conductor | 643.36 | 241.70 |
| 26 05 26 00-0005 | MLF | 10 AWG Copper Bare Single Stranded Conductor | 847.59 | 241.70 |
| 26 05 26 00-0006 | MLF | 8 AWG Copper Bare Single Stranded Conductor | 1,052.79 | 291.15 |
| 26 05 26 00-0007 | MLF | 6 AWG Copper Bare Single Stranded Conductor | 1,442.95 | 291.15 |
| 26 05 26 00-0008 | MLF | 4 AWG Copper Bare Single Stranded Conductor | 1,933.02 | 351.57 |
| 26 05 26 00-0009 | MLF | 2 AWG Copper Bare Single Stranded Conductor | 3,032.78 | 351.57 |
| 26 05 26 00-0010 | MLF | 1 AWG Copper Bare Single Stranded Conductor | 3,508.08 | 422.98 |
| 26 05 26 00-0011 | MLF | 1/0 AWG Copper Bare Single Stranded Conductor | 4,114.34 | 422.98 |
| 26 05 26 00-0012 | MLF | 2/0 AWG Copper Bare Single Stranded Conductor | 5,758.82 | 532.85 |
| 26 05 26 00-0013 | MLF | 3/0 AWG Copper Bare Single Stranded Conductor | 7,096.50 | 532.85 |
| 26 05 26 00-0014 | MLF | 4/0 AWG Copper Bare Single Stranded Conductor | 7,533.06 | 708.64 |
| 26 05 26 00-0015 | MLF | 250 MCM Copper Bare Single Stranded Conductor | 9,666.05 | 708.64 |
| 26 05 26 00-0016 | MLF | 300 MCM Copper Bare Single Stranded Conductor | 9,700.20 | 818.50 |
| 26 05 26 00-0017 | MLF | 350 MCM Copper Bare Single Stranded Conductor | 13,060.18 | 818.50 |
| 26 05 26 00-0018 | MLF | 500 MCM Copper Bare Single Stranded Conductor | 17,820.18 | 1,010.77 |

### 26 05 26 00-0019 Copper Insulated Single Stranded Conductors *(26 05 26 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0020 | MLF | 12 AWG Copper Insulated Single Stranded Conductor | 1,199.00 | 329.60 |
| 26 05 26 00-0021 | MLF | 10 AWG Copper Insulated Single Stranded Conductor | 1,278.39 | 329.60 |
| 26 05 26 00-0022 | MLF | 8 AWG Copper Insulated Single Stranded Conductor | 1,638.01 | 329.60 |
| 26 05 26 00-0023 | MLF | 6 AWG Copper Insulated Single Stranded Conductor | 1,860.26 | 571.30 |
| 26 05 26 00-0024 | MLF | 4 AWG Copper Insulated Single Stranded Conductor | 2,514.59 | 571.30 |
| 26 05 26 00-0025 | MLF | 2 AWG Copper Insulated Single Stranded Conductor | 3,550.92 | 571.30 |
| 26 05 26 00-0026 | MLF | 1 AWG Copper Insulated Single Stranded Conductor | 4,292.15 | 999.78 |
| 26 05 26 00-0027 | MLF | 1/0 AWG Copper Insulated Single Stranded Conductor | 5,236.91 | 999.78 |
| 26 05 26 00-0028 | MLF | 2/0 AWG Copper Insulated Single Stranded Conductor | 6,138.56 | 999.78 |
| 26 05 26 00-0029 | MLF | 3/0 AWG Copper Insulated Single Stranded Conductor | 7,312.11 | 999.78 |
| 26 05 26 00-0030 | MLF | 4/0 AWG Copper Insulated Single Stranded Conductor | 8,624.21 | 1,307.40 |
| 26 05 26 00-0031 | MLF | 250 MCM Copper Insulated Single Stranded Conductor | 10,427.94 | 1,307.40 |
| 26 05 26 00-0032 | MLF | 300 MCM Copper Insulated Single Stranded Conductor | 12,146.12 | 1,307.40 |
| 26 05 26 00-0033 | MLF | 350 MCM Copper Insulated Single Stranded Conductor | 14,220.31 | 2,032.52 |
| 26 05 26 00-0034 | MLF | 500 MCM Copper Insulated Single Stranded Conductor | 18,565.68 | 2,032.52 |

### 26 05 26 00-0035 Copper Bare Single Solid Conductors *(26 05 26 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0036 | MLF | 12 AWG Copper Bare Single Solid Conductor | 643.36 | 241.70 |
| 26 05 26 00-0037 | MLF | 10 AWG Copper Bare Single Solid Conductor | 847.59 | 241.70 |
| 26 05 26 00-0038 | MLF | 8 AWG Copper Bare Single Solid Conductor | 1,052.79 | 291.15 |
| 26 05 26 00-0039 | MLF | 6 AWG Copper Bare Single Solid Conductor | 1,442.95 | 291.15 |
| 26 05 26 00-0040 | MLF | 4 AWG Copper Bare Single Solid Conductor | 1,933.02 | 351.57 |
| 26 05 26 00-0041 | MLF | 2 AWG Copper Bare Single Solid Conductor | 3,032.78 | 351.57 |
| 26 05 26 00-0042 | MLF | 1/0 AWG Copper Bare Single Solid Conductor | 4,114.34 | 422.98 |
| 26 05 26 00-0043 | MLF | 4/0 AWG Copper Bare Single Solid Conductor | 7,533.06 | 560.31 |

### 26 05 26 00-0044 Aluminum Bare Single Stranded Conductors *(26 05 26 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0045 | MLF | 8 AWG Aluminum Bare Single Stranded Conductor | 862.43 | 291.15 |
| 26 05 26 00-0046 | MLF | 6 AWG Aluminum Bare Single Stranded Conductor | 964.20 | 291.15 |
| 26 05 26 00-0047 | MLF | 4 AWG Aluminum Bare Single Stranded Conductor | 1,123.12 | 351.57 |
| 26 05 26 00-0048 | MLF | 2 AWG Aluminum Bare Single Stranded Conductor | 1,453.43 | 351.57 |
| 26 05 26 00-0049 | MLF | 1 AWG Aluminum Bare Single Stranded Conductor | 1,729.14 | 422.98 |
| 26 05 26 00-0050 | MLF | 1/0 AWG Aluminum Bare Single Stranded Conductor | 1,981.42 | 422.98 |
| 26 05 26 00-0051 | MLF | 2/0 AWG Aluminum Bare Single Stranded Conductor | 2,276.36 | 532.85 |
| 26 05 26 00-0052 | MLF | 3/0 AWG Aluminum Bare Single Stranded Conductor | 2,649.91 | 532.85 |
| 26 05 26 00-0053 | MLF | 4/0 AWG Aluminum Bare Single Stranded Conductor | 3,141.82 | 708.64 |
| 26 05 26 00-0054 | MLF | 250 MCM Aluminum Bare Single Stranded Conductor | 3,561.17 | 708.64 |
| 26 05 26 00-0055 | MLF | 300 MCM Aluminum Bare Single Stranded Conductor | 4,356.42 | 818.50 |
| 26 05 26 00-0056 | MLF | 350 MCM Aluminum Bare Single Stranded Conductor | 5,024.03 | 818.50 |
| 26 05 26 00-0057 | MLF | 500 MCM Aluminum Bare Single Stranded Conductor | 5,885.01 | 1,010.77 |

### 26 05 26 00-0058 Aluminum Bare Single Solid Conductors *(26 05 26 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0059 | MLF | 8 AWG Aluminum Bare Single Solid Conductor | 862.43 | 291.15 |
| 26 05 26 00-0060 | MLF | 6 AWG Aluminum Bare Single Solid Conductor | 964.20 | 291.15 |
| 26 05 26 00-0061 | MLF | 4 AWG Aluminum Bare Single Solid Conductor | 1,123.12 | 351.57 |
| 26 05 26 00-0062 | MLF | 2 AWG Aluminum Bare Single Solid Conductor | 1,453.43 | 351.57 |
| 26 05 26 00-0063 | MLF | 1 AWG Aluminum Bare Single Solid Conductor | 1,684.80 | 560.31 |
| 26 05 26 00-0064 | MLF | 1/0 AWG Aluminum Bare Single Solid Conductor | 1,981.42 | 560.31 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 26 00-0065 | MLF | 2/0 AWG Aluminum Bare Single Solid Conductor | 2,166.52 | 532.85 |
| 26 05 26 00-0066 | MLF | 3/0 AWG Aluminum Bare Single Solid Conductor | 2,428.74 | 532.85 |
| 26 05 26 00-0067 | MLF | 4/0 AWG Aluminum Bare Single Solid Conductor | 3,141.82 | 708.64 |
| 26 05 26 00-0068 | MLF | 250 MCM Aluminum Bare Single Solid Conductor | 3,561.17 | 708.64 |
| 26 05 26 00-0069 | MLF | 300 MCM Aluminum Bare Single Solid Conductor | 4,356.42 | 818.50 |
| 26 05 26 00-0070 | MLF | 350 MCM Aluminum Bare Single Solid Conductor | 5,024.03 | 818.50 |
| 26 05 26 00-0071 | MLF | 500 MCM Aluminum Bare Single Solid Conductor | 5,885.01 | 1,010.77 |

## 26 05 26 00-0072 Aluminum Smooth Woven Conductors *(26 05 26 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0073 | LF | 10 Strand x 14 AWG Smooth Weave Aluminum Conductor | 3.02 | 0.87 |
| 26 05 26 00-0074 | LF | 16 Strand x 14 AWG Smooth Weave Aluminum Conductor | 3.34 | 0.96 |
| 26 05 26 00-0075 | LF | 24 Strand x 14 AWG Smooth Weave Aluminum Conductor | 3.97 | 1.09 |
| 26 05 26 00-0076 | LF | 26 Strand x 14 AWG Smooth Weave Aluminum Conductor | 4.00 | 1.12 |
| 26 05 26 00-0077 | LF | 28 Strand x 14 AWG Smooth Weave Aluminum Conductor | 4.20 | 1.17 |

## 26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap *(26 05 26 00-0001)*

Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0079 | EA | 100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length | 147.56 | 31.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 05 26 00-0080 | EA | 225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length | 255.27 | 37.82 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 05 26 00-0081 | EA | 225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length | 327.18 | 37.82 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 05 26 00-0082 | EA | 225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length | 398.12 | 37.82 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 05 26 00-0083 | EA | 400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length | 343.80 | 40.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.37* | |
| 26 05 26 00-0084 | EA | 400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length | 447.26 | 40.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.37* | |
| 26 05 26 00-0085 | EA | 400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length | 537.16 | 40.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.37* | |
| 26 05 26 00-0086 | EA | 600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length | 447.89 | 52.00 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *31.20* | |
| 26 05 26 00-0087 | EA | 800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length | 538.61 | 63.03 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |

## 26 05 26 00-0088 Bonding Jumper For Metallic Conduit *(26 05 26 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0089 | EA | 1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit | 195.83 | 69.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *39.40* | |
| 26 05 26 00-0090 | EA | 1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit | 241.26 | 69.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *48.49* | |
| 26 05 26 00-0091 | EA | 2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit | 354.58 | 107.16 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *57.31* | |
| 26 05 26 00-0092 | EA | 5" To 6" Conductor, Bonding Jumper, Metallic Conduit | 525.32 | 107.16 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *70.04* | |

## 26 05 26 00-0093 Ground Rods *(26 05 26)*

## 26 05 26 00-0094 Copper-Clad Ground Rods *(26 05 26 00-0093)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0095 | EA | 1/2" Diameter x 8' Long Copper-Clad Ground Rods | 105.05 | 94.55 |
| 26 05 26 00-0096 | EA | 5/8" Diameter x 8' Long Copper-Clad Ground Rods | 109.18 | 94.55 |
| 26 05 26 00-0097 | EA | 3/4" Diameter x 8' Long Copper-Clad Ground Rods | 125.85 | 94.55 |
| 26 05 26 00-0098 | EA | 1/2" Diameter x 10' Long Copper-Clad Ground Rods | 123.45 | 94.55 |
| 26 05 26 00-0099 | EA | 5/8" Diameter x 10' Long Copper-Clad Ground Rods | 128.62 | 94.55 |
| 26 05 26 00-0100 | EA | 3/4" Diameter x 10' Long Copper-Clad Ground Rods | 149.45 | 94.55 |

## 26 05 26 00-0101 Copper Grounding Shaft *(26 05 26 00-0093)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0102 | EA | 2-1/8" Diameter x 10' Long Copper Grounding Shaft | 346.86 | 94.55 |
| 26 05 26 00-0103 | EA | 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft | 430.75 | 94.55 |
| 26 05 26 00-0104 | EA | 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft | 664.15 | 94.55 |

## 26 05 26 00-0105 Ground Access Wells *(26 05 26 00-0093)*

## 26 05 26 00-0106 Precast Ground Access Wells *(26 05 26 00-0105)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0107 | EA | 8" Diameter x 24" Deep Precast Ground Access Well<br>Note: With cast iron grate. | 291.83 | |
| 26 05 26 00-0108 | EA | 10" Diameter x 24" Deep Precast Ground Access Well<br>Note: With cast iron grate. | 302.25 | |
| 26 05 26 00-0109 | EA | 12" Diameter x 24" Deep Precast Ground Access Well<br>Note: With cast iron grate. | 887.68 | |
| 26 05 26 00-0110 | EA | 18" Diameter x 24" Deep Precast Ground Access Well<br>Note: With cast iron grate. | 898.10 | |

## 26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well *(26 05 26 00-0105)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 26 00-0112 | EA | 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well<br>Note: Schedule 40 with cast iron grated cover. | 579.36 | |
| 26 05 26 00-0113 | EA | 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well<br>Note: Schedule 40 with cast iron grated cover. | 706.18 | |
| 26 05 26 00-0114 | EA | 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well<br>Note: Schedule 40 with cast iron grated cover. | 1,557.03 | |
| 26 05 26 00-0115 | EA | 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well<br>Note: Schedule 40 with flat steel cover. | 438.57 | |
| 26 05 26 00-0116 | EA | 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well<br>Note: Schedule 40 with flat steel cover. | 531.08 | |
| 26 05 26 00-0117 | EA | 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well<br>Note: Schedule 40 with flat steel cover. | 1,392.59 | |
| 26 05 26 00-0118 | EA | 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well<br>Note: Schedule 40 with flat steel cover. | 251.16 | |
| 26 05 26 00-0119 | EA | 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well<br>Note: Schedule 40 with flat steel cover. | 346.29 | |
| 26 05 26 00-0120 | EA | 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well<br>Note: Schedule 40 with flat steel cover. | 412.78 | |
| 26 05 26 00-0121 | EA | 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover | 203.84 | |
| 26 05 26 00-0122 | EA | 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover | 319.08 | |
| 26 05 26 00-0123 | EA | 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well<br>Note: Schedule 40 with flat steel cover. | 478.58 | |
| 26 05 26 00-0124 | EA | 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well<br>Note: Schedule 40 with flat steel cover. | 661.25 | |
| 26 05 26 00-0125 | EA | 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well<br>Note: Schedule 40 with plastic cover. | 458.47 | |
| 26 05 26 00-0126 | EA | 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well<br>Note: Schedule 40 with plastic cover. | 493.25 | |
| 26 05 26 00-0127 | EA | 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well<br>Note: With cast iron cover, heavy-duty. | 886.95 | |
| 26 05 26 00-0128 | EA | 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well<br>Note: With cast iron cover, heavy-duty. | 1,120.27 | |
| 26 05 26 00-0129 | EA | 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well<br>Note: With cast iron cover, heavy-duty. | 491.81 | |
| 26 05 26 00-0130 | EA | 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well<br>Note: With cast iron cover, heavy-duty. | 671.87 | |
| 26 05 26 00-0131 | EA | 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well<br>Note: With cast iron cover, heavy-duty. | 663.83 | |

### 26 05 26 00-0132 Polymer Concrete Ground Access Well *(26 05 26 00-0105)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0133 | EA | 12" x 12" x 12" Polymer Concrete Ground Access Well | 559.25 | |
| 26 05 26 00-0134 | EA | 12" x 12" x 12" Heavy-Duty Polymer Concrete Ground Access Well | 613.86 | |
| 26 05 26 00-0135 | EA | 12" x 12" x 18" Polymer Concrete Ground Access Well | 616.47 | |
| 26 05 26 00-0136 | EA | 12" x 12" x 18" Heavy-Duty Polymer Concrete Ground Access Well | 676.58 | |
| 26 05 26 00-0137 | EA | 12" x 12" x 24" Polymer Concrete Ground Access Well | 675.91 | |
| 26 05 26 00-0138 | EA | 12" x 12" x 24" Heavy-Duty Polymer Concrete Ground Access Well | 742.02 | |
| 26 05 26 00-0139 | EA | 13" x 24" x 18" Polymer Concrete Ground Access Well | 903.14 | |
| 26 05 26 00-0140 | EA | 13" x 24" x 18" Heavy-Duty Polymer Concrete Ground Access Well | 993.36 | |

### 26 05 26 00-0141 High-Density Polyethylene (HDPE) Ground Access Well *(26 05 26 00-0105)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0142 | EA | 9" Diameter x 10" Deep High-Density Polyethylene (HDPE) Ground Access Well<br>Note: With cover. | 201.82 | |
| 26 05 26 00-0143 | EA | 14" Diameter x 18" Deep High-Density Polyethylene (HDPE) Ground Access Well<br>Note: With cover. | 281.82 | |

### 26 05 26 00-0144 Clay Tile Ground Access Wells *(26 05 26 00-0105)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0145 | EA | 8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover | 319.33 | |
| 26 05 26 00-0146 | EA | 8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover | 336.09 | |
| 26 05 26 00-0147 | EA | Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well | 102.74 | |

### 26 05 26 00-0148 Ground Rod Clamps And Fittings *(26 05 26)*

### 26 05 26 00-0149 Bronze Ground Rod Clamp *(26 05 26 00-0148)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0150 | EA | 1/2" Bronze Ground Rod Clamp | 24.76 | 14.25 |
| 26 05 26 00-0151 | EA | 5/8" Bronze Ground Rod Clamp | 25.80 | 14.25 |
| 26 05 26 00-0152 | EA | 3/4" Bronze Ground Rod Clamp | 27.28 | 14.25 |

### 26 05 26 00-0153 Bronze Pipe Clamps *(26 05 26 00-0148)*

| | | | | |
|---|---|---|---|---|
| 26 05 26 00-0154 | EA | 1/2" To 1" Bronze Pipe Ground Clamps | 33.69 | 23.70 |
| 26 05 26 00-0155 | EA | 1-1/4" To 2" Bronze Ground Clamps For Pipe | 42.64 | 28.36 |
| 26 05 26 00-0156 | EA | 2-1/2" To 3" Bronze Ground Clamps For Pipe | 62.20 | 33.16 |
| 26 05 26 00-0157 | EA | 2-1/2" To 4" Bronze Ground Clamps For Pipe | 76.37 | 42.61 |
| 26 05 26 00-0158 | EA | 4" To 6" Bronze Ground Clamps For Pipe | 116.39 | 61.52 |

### 26 05 26 00-0159 Grounding Fittings *(26 05 26 00-0148)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 26 00-0160** | | **Embedded Fittings** *(26 05 26 00-0159)* | | |
| 26 05 26 00-0161 | EA | Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded | 166.56 | |
| 26 05 26 00-0162 | EA | Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded | 175.99 | |
| 26 05 26 00-0163 | EA | Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded | 192.73 | |
| 26 05 26 00-0164 | EA | #8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice | 165.78 | |
| 26 05 26 00-0165 | EA | 1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice | 198.67 | |
| 26 05 26 00-0166 | EA | 4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice | 232.91 | |
| 26 05 26 00-0167 | EA | 350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice | 262.22 | |
| **26 05 26 00-0168** | | **Ground Rod Receptacle** *(26 05 26 00-0159)* | | |
| 26 05 26 00-0169 | EA | 1/2" Ground Rod Receptacle | 358.41 | 131.11 |
| 26 05 26 00-0170 | EA | 5/8" Ground Rod Receptacle | 374.07 | 134.81 |
| 26 05 26 00-0171 | EA | 3/4" Ground Rod Receptacle | 390.13 | 138.47 |
| **26 05 26 00-0172** | | **Ground Kits For Circuit Breaker Panels** *(26 05 26 00-0159)* | | |
| 26 05 26 00-0173 | EA | 14-8 AWG Copper Ground Kit | 80.80 | 31.52 |
| 26 05 26 00-0174 | EA | 12-8 AWG Aluminum Ground Kit | 89.43 | 31.52 |
| 26 05 26 00-0175 | EA | 14-4 AWG Copper Ground Kit | 88.73 | 31.52 |
| 26 05 26 00-0176 | EA | 12-4 AWG Aluminum Ground Kit | 107.90 | 31.52 |
| **26 05 26 00-0177** | | **Insulated Grounding Bars** *(26 05 26 00-0148)* | | |
| 26 05 26 00-0178 | EA | 1/2" x 4" x 10" Insulated Ground Bar | 328.64 | 31.65 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *56.73* | |
| 26 05 26 00-0179 | EA | Insulated Ground Bar SK 9560 1/2" x 4" x 20" | 343.96 | 31.65 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *56.73* | |
| **26 05 26 00-0180** | | **Ground Conductor Bonding** *(26 05 26)* | | |
| **26 05 26 00-0181** | | **Ground Conductor Bonding** *(26 05 26 00-0180)* | | |
| **26 05 26 00-0182** | | **Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld** *(26 05 26 00-0181)* | | |
| 26 05 26 00-0183 | EA | Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel<br>Note: Includes molds, materials and all necessary tools to make connections. | 146.54 | |
| 26 05 26 00-0184 | EA | #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel<br>Note: Includes molds, materials and all necessary tools to make connections. | 159.14 | |
| 26 05 26 00-0185 | EA | 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.<br>Note: Includes molds, materials and all necessary tools to make connections. | 171.75 | |
| 26 05 26 00-0186 | EA | 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel<br>Note: Includes molds, materials and all necessary tools to make connections. | 247.39 | |
| **26 05 26 00-0187** | | **Tee, Wye Or Cross Cadweld** *(26 05 26 00-0181)* | | |
| 26 05 26 00-0188 | EA | Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross<br>Note: Includes molds, materials and all necessary tools to make connections. | 165.45 | |
| 26 05 26 00-0189 | EA | #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross<br>Note: Includes molds, materials and all necessary tools to make connections. | 190.65 | |
| 26 05 26 00-0190 | EA | 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross<br>Note: Includes molds, materials and all necessary tools to make connections. | 234.79 | |
| 26 05 26 00-0191 | EA | 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.<br>Note: Includes molds, materials and all necessary tools to make connections. | 285.20 | |
| **26 05 26 00-0192** | | **Grounding Equipment** *(26 05 26)* | | |
| **26 05 26 00-0193** | | **Special Grounding Equipment** *(26 05 26 00-0192)* | | |
| **26 05 26 00-0194** | | **Ground Reels And Ground Bus** *(26 05 26 00-0193)* | | |
| 26 05 26 00-0195 | EA | Ground Reel With 50' Of Galvanized Steel Cable | 735.95 | |
| **26 05 26 00-0196** | | **Copper Bars** *(26 05 26 00-0193)* | | |
| 26 05 26 00-0197 | LF | 1/4" x 2" Copper Bar | 43.08 | |
| **26 05 26 00-0198** | | **Phenolic Insulators** *(26 05 26 00-0193)* | | |
| 26 05 26 00-0199 | EA | 2" x 2" x 1" Long Phenolic Insulators | 32.32 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| **26 05 26 00-0200** | | **Grounding Studs** *(26 05 26 00-0193)* | | |
| 26 05 26 00-0201 | EA | Ball Grounding Stud | 46.93 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.29* | |
| **26 05 26 00-0202** | | **Equipment Ground Bar Kits** *(26 05 26 00-0193)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 26 00-0203 | EA | Switch Rating 30 Ground Bar Kit | 35.87 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 05 26 00-0204 | EA | Switch Rating 60 Ground Bar Kit | 45.29 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.32* | |
| 26 05 26 00-0205 | EA | Switch Rating 100 Ground Bar Kit | 52.68 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 05 26 00-0206 | EA | Switch Rating 200 Ground Bar Kit | 89.33 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |
| **26 05 26 00-0207** | | **Panelboard Ground Bar Kits** *(26 05 26 00-0193)* | | |
| 26 05 26 00-0208 | EA | Panelboard Ground Bar Kit | 126.66 | 9.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| **26 05 26 00-0209** | | **Circuit Breaker Ground Bar Kits** *(26 05 26 00-0193)* | | |
| 26 05 26 00-0210 | EA | 3 Circuit, Ground Bar Kit | 29.57 | 5.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 05 26 00-0211 | EA | 4 Circuit, Ground Bar Kit | 29.08 | 5.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 05 26 00-0212 | EA | 7 Circuit, Ground Bar Kit | 29.90 | 5.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 05 26 00-0213 | EA | 12 Circuit, Ground Bar Kit | 33.91 | 6.43 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.43* | |
| 26 05 26 00-0214 | EA | 20 Circuit, Ground Bar Kit | 38.55 | 7.19 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.19* | |
| 26 05 26 00-0215 | EA | 24 Circuit, Ground Bar Kit | 42.56 | 7.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.94* | |
| 26 05 26 00-0216 | EA | 30 Circuit, Ground Bar Kit | 47.64 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.08* | |
| 26 05 26 00-0217 | EA | 54 Circuit, Ground Bar Kit | 55.15 | 10.59 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.59* | |
| 26 05 26 00-0218 | EA | 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug | 59.12 | 7.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.94* | |
| 26 05 26 00-0219 | EA | 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug | 65.52 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.08* | |
| 26 05 26 00-0220 | EA | 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug | 73.19 | 10.59 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.59* | |

## 26 05 29 Hangers and Supports for Electrical Systems *(26 05)*

### 26 05 29 00-0001 Metal Framing Channel And Fittings *(26 05 29)*

### 26 05 29 00-0002 Metal Framing Channel *(26 05 29 00-0001)*

Note: Excludes fasteners and accessories.

### 26 05 29 00-0003 Steel Unistrut Channel *(26 05 29 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0004 | EA | Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel | 20.88 | 6.91 |
| | | *For Galvanizing, Add* | *1.00* | |
| | | *For Powder Coating, Add* | *0.89* | |
| 26 05 29 00-0005 | EA | >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel | 30.22 | 9.21 |
| | | *For Galvanizing, Add* | *2.01* | |
| | | *For Powder Coating, Add* | *1.77* | |
| 26 05 29 00-0006 | EA | >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel | 39.59 | 10.95 |
| | | *For Galvanizing, Add* | *3.01* | |
| | | *For Powder Coating, Add* | *2.66* | |
| 26 05 29 00-0007 | EA | >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel | 48.95 | 12.67 |
| | | *For Galvanizing, Add* | *4.01* | |
| | | *For Powder Coating, Add* | *3.54* | |
| 26 05 29 00-0008 | LF | >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel | 11.09 | 2.60 |
| | | *For Galvanizing, Add* | *1.00* | |
| | | *For Powder Coating, Add* | *0.89* | |
| 26 05 29 00-0009 | EA | Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel | 22.69 | 6.91 |
| | | *For Galvanizing, Add* | *1.31* | |
| | | *For Powder Coating, Add* | *1.16* | |
| 26 05 29 00-0010 | EA | >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel | 33.85 | 9.21 |
| | | *For Galvanizing, Add* | *2.62* | |
| | | *For Powder Coating, Add* | *2.31* | |
| 26 05 29 00-0011 | EA | >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel | 45.02 | 10.95 |
| | | *For Galvanizing, Add* | *3.93* | |
| | | *For Powder Coating, Add* | *3.47* | |
| 26 05 29 00-0012 | EA | >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel | 56.19 | 12.67 |
| | | *For Galvanizing, Add* | *5.24* | |
| | | *For Powder Coating, Add* | *4.63* | |
| 26 05 29 00-0013 | LF | >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel | 12.90 | 2.60 |
| | | *For Galvanizing, Add* | *1.31* | |
| | | *For Powder Coating, Add* | *1.16* | |
| 26 05 29 00-0014 | EA | Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel | 24.57 | 6.91 |
| | | *For Galvanizing, Add* | *1.63* | |
| | | *For Powder Coating, Add* | *1.44* | |
| 26 05 29 00-0015 | EA | >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel | 37.61 | 9.21 |
| | | *For Galvanizing, Add* | *3.26* | |
| | | *For Powder Coating, Add* | *2.88* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0016 | EA | >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel | 50.66 | 10.95 |
| | | *For Galvanizing, Add* | *4.89* | |
| | | *For Powder Coating, Add* | *4.32* | |
| 26 05 29 00-0017 | EA | >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel | 63.71 | 12.67 |
| | | *For Galvanizing, Add* | *6.52* | |
| | | *For Powder Coating, Add* | *5.76* | |
| 26 05 29 00-0018 | LF | >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel | 14.78 | 2.60 |
| | | *For Galvanizing, Add* | *1.63* | |
| | | *For Powder Coating, Add* | *1.44* | |
| 26 05 29 00-0019 | EA | Up To 1' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel | 23.94 | 6.91 |
| | | *For Galvanizing, Add* | *1.52* | |
| | | *For Powder Coating, Add* | *1.34* | |
| 26 05 29 00-0020 | EA | >1' To 2' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel | 36.33 | 9.21 |
| | | *For Galvanizing, Add* | *3.04* | |
| | | *For Powder Coating, Add* | *2.69* | |
| 26 05 29 00-0021 | EA | >2' To 3' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel | 48.75 | 10.95 |
| | | *For Galvanizing, Add* | *4.57* | |
| | | *For Powder Coating, Add* | *4.03* | |
| 26 05 29 00-0022 | EA | >3' To 4' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel | 61.16 | 12.67 |
| | | *For Galvanizing, Add* | *6.09* | |
| | | *For Powder Coating, Add* | *5.37* | |
| 26 05 29 00-0023 | LF | >4' Cut Lengths x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel | 14.15 | 2.60 |
| | | *For Galvanizing, Add* | *1.52* | |
| | | *For Powder Coating, Add* | *1.34* | |
| 26 05 29 00-0024 | EA | Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel | 23.52 | 6.91 |
| | | *For Galvanizing, Add* | *1.45* | |
| | | *For Powder Coating, Add* | *1.28* | |
| 26 05 29 00-0025 | EA | >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel | 35.50 | 9.21 |
| | | *For Galvanizing, Add* | *2.90* | |
| | | *For Powder Coating, Add* | *2.56* | |
| 26 05 29 00-0026 | EA | >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel | 47.51 | 10.95 |
| | | *For Galvanizing, Add* | *4.36* | |
| | | *For Powder Coating, Add* | *3.84* | |
| 26 05 29 00-0027 | EA | >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel | 59.51 | 12.67 |
| | | *For Galvanizing, Add* | *5.81* | |
| | | *For Powder Coating, Add* | *5.13* | |
| 26 05 29 00-0028 | LF | >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel | 13.73 | 2.60 |
| | | *For Galvanizing, Add* | *1.45* | |
| | | *For Powder Coating, Add* | *1.28* | |

## 26 05 29 00-0029 Stainless Steel Unistrut Channel *(26 05 29 00-0002)*

## 26 05 29 00-0030 304 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0031 | EA | Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel | 34.66 | 6.91 |
| 26 05 29 00-0032 | EA | >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel | 57.78 | 9.21 |
| 26 05 29 00-0033 | EA | >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel | 80.92 | 10.95 |
| 26 05 29 00-0034 | EA | >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel | 104.06 | 12.67 |
| 26 05 29 00-0035 | LF | >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel | 24.87 | 2.61 |
| 26 05 29 00-0036 | EA | Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel | 38.27 | 6.91 |
| 26 05 29 00-0037 | EA | >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel | 65.01 | 9.21 |
| 26 05 29 00-0038 | EA | >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel | 91.76 | 10.95 |
| 26 05 29 00-0039 | EA | >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel | 118.51 | 12.67 |
| 26 05 29 00-0040 | LF | >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel | 28.48 | 2.61 |
| 26 05 29 00-0041 | EA | Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel | 39.47 | 6.91 |
| 26 05 29 00-0042 | EA | >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel | 67.40 | 9.21 |
| 26 05 29 00-0043 | EA | >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel | 95.35 | 10.95 |
| 26 05 29 00-0044 | EA | >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel | 123.30 | 12.67 |
| 26 05 29 00-0045 | LF | >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel | 29.68 | 2.60 |
| 26 05 29 00-0046 | EA | Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel | 45.70 | 6.91 |
| 26 05 29 00-0047 | EA | >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel | 79.86 | 9.21 |
| 26 05 29 00-0048 | EA | >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel | 114.04 | 10.95 |
| 26 05 29 00-0049 | EA | >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel | 148.23 | 12.67 |
| 26 05 29 00-0050 | LF | >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel | 35.91 | 2.60 |

## 26 05 29 00-0051 316 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0052 | EA | Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel | 50.26 | 6.91 |
| 26 05 29 00-0053 | EA | >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel | 88.98 | 9.21 |
| 26 05 29 00-0054 | EA | >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel | 127.72 | 10.95 |
| 26 05 29 00-0055 | EA | >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel | 166.46 | 12.67 |
| 26 05 29 00-0056 | LF | >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel | 40.47 | 2.61 |

## 26 05 29 00-0057 Aluminum Unistrut Channel *(26 05 29 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0058 | EA | Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel | 19.54 | 6.91 |
| 26 05 29 00-0059 | EA | >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel | 27.53 | 9.21 |
| 26 05 29 00-0060 | EA | >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel | 35.55 | 10.95 |
| 26 05 29 00-0061 | EA | >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel | 43.57 | 12.67 |
| 26 05 29 00-0062 | LF | >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel | 9.75 | 2.60 |
| 26 05 29 00-0063 | EA | Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel | 22.52 | 6.91 |
| 26 05 29 00-0064 | EA | >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel | 33.49 | 9.21 |
| 26 05 29 00-0065 | EA | >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel | 44.49 | 10.95 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0066 | EA | >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel | 55.48 | 12.67 |
| 26 05 29 00-0067 | LF | >4' Cut lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel | 12.73 | 2.60 |
| 26 05 29 00-0068 | | Metal Framing Channel Fittings *(26 05 29 00-0001)* | | |
| 26 05 29 00-0069 | | Unistrut Channel Closure Strips And Caps *(26 05 29 00-0068)* | | |
| 26 05 29 00-0070 | | Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)* | | |
| 26 05 29 00-0071 | LF | Steel Raceway Closure Strip, Unistrut Channel Fittings | 7.60 | 0.63 |
| 26 05 29 00-0072 | EA | Steel End Cap, Unistrut Channel Fittings | 5.65 | 1.58 |
| 26 05 29 00-0073 | | Stainless Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)* | | |
| 26 05 29 00-0074 | EA | Stainless Steel End Cap For Unistrut Channel | 12.48 | 1.58 |
| 26 05 29 00-0075 | | Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0068)* | | |
| 26 05 29 00-0076 | | Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)* | | |
| 26 05 29 00-0077 | EA | 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting | 7.43 | |
| 26 05 29 00-0078 | EA | 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting | 7.39 | |
| 26 05 29 00-0079 | EA | 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting | 9.02 | |
| 26 05 29 00-0080 | | Stainless Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)* | | |
| 26 05 29 00-0081 | EA | 2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting | 17.62 | |
| 26 05 29 00-0082 | EA | 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting | 26.10 | |
| 26 05 29 00-0083 | EA | 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting | 33.27 | |
| 26 05 29 00-0084 | | 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)* | | |
| 26 05 29 00-0085 | | Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)* | | |
| 26 05 29 00-0086 | EA | 2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting | 7.19 | |
| 26 05 29 00-0087 | EA | 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting | 5.99 | |
| 26 05 29 00-0088 | EA | 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting | 10.47 | |
| 26 05 29 00-0089 | EA | 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting | 10.32 | |
| 26 05 29 00-0090 | | Stainless Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)* | | |
| 26 05 29 00-0091 | EA | 2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting | 10.19 | |
| 26 05 29 00-0092 | EA | 2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting | 12.68 | |
| 26 05 29 00-0093 | EA | 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting | 10.79 | |
| 26 05 29 00-0094 | EA | 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting | 15.23 | |
| 26 05 29 00-0095 | EA | 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting | 13.94 | |
| 26 05 29 00-0096 | EA | 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting | 25.51 | |
| 26 05 29 00-0097 | EA | 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting | 14.64 | |
| 26 05 29 00-0098 | EA | 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting | 21.12 | |
| 26 05 29 00-0099 | | 60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)* | | |
| 26 05 29 00-0100 | | Steel 60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0099)* | | |
| 26 05 29 00-0101 | EA | 2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting | 15.05 | |
| 26 05 29 00-0102 | | U-Connector, Unistrut Channel Fittings *(26 05 29 00-0068)* | | |
| 26 05 29 00-0103 | | Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)* | | |
| 26 05 29 00-0104 | EA | 3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting | 5.21 | |
| 26 05 29 00-0105 | EA | 5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting | 5.83 | |
| 26 05 29 00-0106 | | Stainless Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)* | | |
| 26 05 29 00-0107 | EA | 5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting | 20.97 | |
| 26 05 29 00-0108 | | Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0068)* | | |
| 26 05 29 00-0109 | | Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)* | | |
| 26 05 29 00-0110 | EA | 3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting | 15.45 | |
| 26 05 29 00-0111 | | Stainless Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)* | | |
| 26 05 29 00-0112 | EA | 3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting | 40.56 | |
| 26 05 29 00-0113 | | Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0068)*<br>Note: Includes hex screw and nut. | | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0114 | | Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* | | |
| | | Note: Includes hex screw and nut. | | |
| 26 05 29 00-0115 | EA | 1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 5.54 | 1.90 |
| 26 05 29 00-0116 | EA | 3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 5.57 | 1.90 |
| 26 05 29 00-0117 | EA | 1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 5.71 | 1.90 |
| 26 05 29 00-0118 | EA | 1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 7.17 | 2.53 |
| 26 05 29 00-0119 | EA | 1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 7.89 | 2.53 |
| 26 05 29 00-0120 | EA | 2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 7.96 | 2.53 |
| 26 05 29 00-0121 | EA | 2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 9.74 | 3.15 |
| 26 05 29 00-0122 | EA | 3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 10.37 | 3.15 |
| 26 05 29 00-0123 | EA | 3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 10.98 | 3.15 |
| 26 05 29 00-0124 | EA | 4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 11.20 | 3.15 |
| 26 05 29 00-0125 | | 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* | | |
| | | Note: Includes hex screw and nut. | | |
| 26 05 29 00-0126 | EA | 1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 8.33 | 1.90 |
| 26 05 29 00-0127 | EA | 3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 9.27 | 1.90 |
| 26 05 29 00-0128 | EA | 1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 10.22 | 1.90 |
| 26 05 29 00-0129 | EA | 1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 12.73 | 2.53 |
| 26 05 29 00-0130 | EA | 1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 15.36 | 2.53 |
| 26 05 29 00-0131 | EA | 2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 16.05 | 2.53 |
| 26 05 29 00-0132 | EA | 2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 19.28 | 3.15 |
| 26 05 29 00-0133 | EA | 3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 21.61 | 3.15 |
| 26 05 29 00-0134 | EA | 3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 22.62 | 3.15 |
| 26 05 29 00-0135 | EA | 4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 26.32 | 3.15 |
| 26 05 29 00-0136 | | 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* | | |
| | | Note: Includes hex screw and nut. | | |
| 26 05 29 00-0137 | EA | 1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 8.90 | 1.90 |
| 26 05 29 00-0138 | EA | 3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 10.24 | 1.90 |
| 26 05 29 00-0139 | EA | 1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 10.62 | 1.90 |
| 26 05 29 00-0140 | EA | 1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 12.92 | 2.53 |
| 26 05 29 00-0141 | EA | 1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 17.51 | 2.53 |
| 26 05 29 00-0142 | EA | 2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 17.74 | 2.53 |
| 26 05 29 00-0143 | EA | 2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 21.05 | 3.15 |
| 26 05 29 00-0144 | EA | 3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 22.24 | 3.15 |
| 26 05 29 00-0145 | EA | 3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 30.70 | 3.15 |
| 26 05 29 00-0146 | EA | 4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel | 35.87 | 3.15 |
| 26 05 29 00-0147 | | Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0068)* | | |
| 26 05 29 00-0148 | | Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)* | | |
| 26 05 29 00-0149 | EA | Set Screw Beam Clamp, Steel Unistrut Channel Fitting | 41.54 | 11.52 |
| 26 05 29 00-0150 | EA | "C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings | 27.30 | 11.52 |
| 26 05 29 00-0151 | EA | "U" Bolt Beam Clamp, Steel Unistrut Channel Fitting | 40.10 | 11.52 |
| 26 05 29 00-0152 | | 304 Stainless Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)* | | |
| 26 05 29 00-0153 | EA | "U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting | 51.04 | 11.52 |
| 26 05 29 00-0154 | | Square Washers For Unistrut Channel *(26 05 29 00-0068)* | | |
| 26 05 29 00-0155 | | Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)* | | |
| 26 05 29 00-0156 | EA | 1/2" Bolt Size, Steel, Square Washer For Unistrut Channel | 5.23 | |
| 26 05 29 00-0157 | | Stainless Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)* | | |
| 26 05 29 00-0158 | EA | 1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel | 5.15 | |
| 26 05 29 00-0159 | EA | 1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel | 6.44 | |
| 26 05 29 00-0160 | | Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0068)* | | |
| 26 05 29 00-0161 | EA | 16" Diagonal Steel Bar Brace For Unistrut Channel | 42.73 | |
| 26 05 29 00-0162 | | Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0068)* | | |
| 26 05 29 00-0163 | EA | Steel Trolley Track Hanger For Unistrut Channel | 53.00 | |
| 26 05 29 00-0164 | | Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0068)* | | |
| | | Note: Includes hex bolt. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 29 00-0165** | | **Steel Lock Nuts With Spring For Unistrut Channel** *(26 05 29 00-0164)* Note: Includes hex bolt. | | |
| 26 05 29 00-0166 | EA | 1/4-20, Steel Lock Nut With Spring For Unistrut Channel | 8.76 | |
| 26 05 29 00-0167 | EA | 3/8-16, Steel Lock Nut With Spring For Unistrut Channel | 9.63 | |
| 26 05 29 00-0168 | EA | 1/2-13, Steel Lock Nut With Spring For Unistrut Channel | 10.29 | |
| 26 05 29 00-0169 | EA | 5/8-11, Steel Lock Nut With Spring For Unistrut Channel | 13.81 | |
| **26 05 29 00-0170** | | **Stainless Steel Lock Nuts With Spring For Unistrut Channel** *(26 05 29 00-0164)* Note: Includes hex bolt. | | |
| 26 05 29 00-0171 | EA | 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel | 14.78 | |
| 26 05 29 00-0172 | EA | 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel | 15.79 | |
| 26 05 29 00-0173 | EA | 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel | 22.10 | |
| 26 05 29 00-0174 | EA | 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel | 36.24 | |
| **26 05 29 00-0175** | | **Lock Nuts Without Spring For Unistrut Channel** *(26 05 29 00-0068)* Note: Includes hex bolt. | | |
| **26 05 29 00-0176** | | **Steel Lock Nuts Without Spring For Unistrut Channel** *(26 05 29 00-0175)* Note: Includes hex bolt. | | |
| 26 05 29 00-0177 | EA | 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel | 8.79 | |
| 26 05 29 00-0178 | EA | 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel | 9.75 | |
| 26 05 29 00-0179 | EA | 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel | 10.34 | |
| 26 05 29 00-0180 | EA | 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel | 14.82 | |
| **26 05 29 00-0181** | | **Stainless Steel Lock Nuts Without Spring For Unistrut Channel** *(26 05 29 00-0175)* Note: Includes hex bolt. | | |
| 26 05 29 00-0182 | EA | 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel | 10.90 | |
| 26 05 29 00-0183 | EA | 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel | 13.05 | |
| 26 05 29 00-0184 | EA | 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel | 14.38 | |
| 26 05 29 00-0185 | EA | 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel | 35.33 | |
| **26 05 29 00-0186** | | **Mounting Assemblies** *(26 05 29)* | | |
| **26 05 29 00-0187** | | **Galvanized Steel Mounting Assemblies** *(26 05 29 00-0186)* | | |
| **26 05 29 00-0188** | | **Galvanized Steel Back Plate** *(26 05 29 00-0187)* | | |
| 26 05 29 00-0189 | EA | 1/4" x 4' x 4', Galvanized Steel Back Plate, Painted | 561.50 | 75.64 |
| 26 05 29 00-0190 | EA | 3/8" x 14" x 16", Galvanized Steel Back Plate, Painted | 137.67 | 25.21 |
| 26 05 29 00-0191 | EA | 3/16" x 30" x 48", Galvanized Steel Back Plate, Painted | 348.70 | 63.03 |
| **26 05 29 00-0192** | | **Aluminum Mounting Assemblies** *(26 05 29 00-0186)* | | |
| **26 05 29 00-0193** | | **Aluminum Back Plate** *(26 05 29 00-0192)* | | |
| 26 05 29 00-0194 | EA | 3/16" x 2' x 2' Aluminum Back Plate | 468.01 | 94.55 |
| 26 05 29 00-0195 | EA | 3/16" x 4' x 4' Aluminum Back Plate | 1,342.89 | 94.55 |
| **26 05 29 00-0196** | | **Supports** *(26 05 29)* | | |
| **26 05 29 00-0197** | | **One Hole Steel Conduit Straps** *(26 05 29 00-0196)* | | |
| 26 05 29 00-0198 | EA | 1/2", One Hole Steel Conduit Strap | 4.62 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.22* | |
| | | *For >100 To 250, Deduct* | *-0.43* | |
| | | *For >250 To 500, Deduct* | *-0.85* | |
| | | *For >500, Deduct* | *-1.27* | |
| 26 05 29 00-0199 | EA | 3/4", One Hole Steel Conduit Strap | 4.68 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.22* | |
| | | *For >100 To 250, Deduct* | *-0.44* | |
| | | *For >250 To 500, Deduct* | *-0.86* | |
| | | *For >500, Deduct* | *-1.28* | |
| 26 05 29 00-0200 | EA | 1", One Hole Steel Conduit Strap | 4.98 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.45* | |
| | | *For >250 To 500, Deduct* | *-0.88* | |
| | | *For >500, Deduct* | *-1.31* | |
| 26 05 29 00-0201 | EA | 1-1/4", One Hole Steel Conduit Strap | 5.20 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.46* | |
| | | *For >250 To 500, Deduct* | *-0.90* | |
| | | *For >500, Deduct* | *-1.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0202 | EA | 1-1/2", One Hole Steel Conduit Strap | 5.35 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.47* | |
| | | *For >250 To 500, Deduct* | *-0.91* | |
| | | *For >500, Deduct* | *-1.34* | |
| 26 05 29 00-0203 | EA | 2", One Hole Steel Conduit Strap | 6.26 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.26* | |
| | | *For >100 To 250, Deduct* | *-0.52* | |
| | | *For >250 To 500, Deduct* | *-0.97* | |
| | | *For >500, Deduct* | *-1.43* | |
| 26 05 29 00-0204 | EA | 2-1/2", One Hole Steel Conduit Strap | 7.19 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.28* | |
| | | *For >100 To 250, Deduct* | *-0.56* | |
| | | *For >250 To 500, Deduct* | *-1.04* | |
| | | *For >500, Deduct* | *-1.53* | |
| 26 05 29 00-0205 | EA | 3", One Hole Steel Conduit Strap | 7.50 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.29* | |
| | | *For >100 To 250, Deduct* | *-0.58* | |
| | | *For >250 To 500, Deduct* | *-1.07* | |
| | | *For >500, Deduct* | *-1.56* | |
| 26 05 29 00-0206 | EA | 3-1/2", One Hole Steel Conduit Strap | 9.02 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.33* | |
| | | *For >100 To 250, Deduct* | *-0.65* | |
| | | *For >250 To 500, Deduct* | *-1.18* | |
| | | *For >500, Deduct* | *-1.71* | |
| 26 05 29 00-0207 | EA | 4", One Hole Steel Conduit Strap | 10.24 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.36* | |
| | | *For >100 To 250, Deduct* | *-0.71* | |
| | | *For >250 To 500, Deduct* | *-1.27* | |
| | | *For >500, Deduct* | *-1.83* | |

## 26 05 29 00-0208 One Hole Iron Conduit Straps *(26 05 29 00-0196)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0209 | EA | 1/2", One Hole Iron Conduit Strap | 4.77 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.22* | |
| | | *For >100 To 250, Deduct* | *-0.44* | |
| | | *For >250 To 500, Deduct* | *-0.86* | |
| | | *For >500, Deduct* | *-1.29* | |
| 26 05 29 00-0210 | EA | 3/4", One Hole Iron Conduit Strap | 4.92 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.22* | |
| | | *For >100 To 250, Deduct* | *-0.45* | |
| | | *For >250 To 500, Deduct* | *-0.87* | |
| | | *For >500, Deduct* | *-1.30* | |
| 26 05 29 00-0211 | EA | 1", One Hole Iron Conduit Strap | 5.18 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.46* | |
| | | *For >250 To 500, Deduct* | *-0.89* | |
| | | *For >500, Deduct* | *-1.33* | |
| 26 05 29 00-0212 | EA | 1-1/4", One Hole Iron Conduit Strap | 5.81 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.25* | |
| | | *For >100 To 250, Deduct* | *-0.49* | |
| | | *For >250 To 500, Deduct* | *-0.94* | |
| | | *For >500, Deduct* | *-1.39* | |
| 26 05 29 00-0213 | EA | 1-1/2", One Hole Iron Conduit Strap | 6.07 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.25* | |
| | | *For >100 To 250, Deduct* | *-0.51* | |
| | | *For >250 To 500, Deduct* | *-0.96* | |
| | | *For >500, Deduct* | *-1.42* | |
| 26 05 29 00-0214 | EA | 2", One Hole Iron Conduit Strap | 7.67 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.29* | |
| | | *For >100 To 250, Deduct* | *-0.59* | |
| | | *For >250 To 500, Deduct* | *-1.08* | |
| | | *For >500, Deduct* | *-1.58* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0215 | EA | 2-1/2", One Hole Iron Conduit Strap | 11.12 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.38* | |
| | | *For >100 To 250, Deduct* | *-0.76* | |
| | | *For >250 To 500, Deduct* | *-1.34* | |
| | | *For >500, Deduct* | *-1.92* | |
| 26 05 29 00-0216 | EA | 3", One Hole Iron Conduit Strap | 14.00 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.45* | |
| | | *For >100 To 250, Deduct* | *-0.90* | |
| | | *For >250 To 500, Deduct* | *-1.56* | |
| | | *For >500, Deduct* | *-2.21* | |
| 26 05 29 00-0217 | EA | 3-1/2", One Hole Iron Conduit Strap | 18.21 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.56* | |
| | | *For >100 To 250, Deduct* | *-1.11* | |
| | | *For >250 To 500, Deduct* | *-1.87* | |
| | | *For >500, Deduct* | *-2.63* | |
| 26 05 29 00-0218 | EA | 4", One Hole Iron Conduit Strap | 35.05 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.98* | |
| | | *For >100 To 250, Deduct* | *-1.95* | |
| | | *For >250 To 500, Deduct* | *-3.13* | |
| | | *For >500, Deduct* | *-4.31* | |
| 26 05 29 00-0219 | EA | 5", One Hole Iron Conduit Strap | 44.10 | |
| | | *For Work In Restricted Working Space, Add* | *1.21* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-1.20* | |
| | | *For >100 To 250, Deduct* | *-2.41* | |
| | | *For >250 To 500, Deduct* | *-3.81* | |
| | | *For >500, Deduct* | *-5.22* | |

## 26 05 29 00-0220 Two Hole Steel Conduit Straps *(26 05 29 00-0196)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0221 | EA | 1/2", Two Hole Steel Conduit Strap | 5.35 | |
| | | *For Work In Restricted Working Space, Add* | *1.36* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.34* | |
| | | *For >50 To 100, Deduct* | *-0.25* | |
| | | *For >100 To 250, Deduct* | *-0.49* | |
| | | *For >250 To 500, Deduct* | *-0.97* | |
| | | *For >500, Deduct* | *-1.44* | |
| 26 05 29 00-0222 | EA | 3/4", Two Hole Steel Conduit Strap | 5.45 | |
| | | *For Work In Restricted Working Space, Add* | *1.36* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.34* | |
| | | *For >50 To 100, Deduct* | *-0.25* | |
| | | *For >100 To 250, Deduct* | *-0.50* | |
| | | *For >250 To 500, Deduct* | *-0.98* | |
| | | *For >500, Deduct* | *-1.45* | |
| 26 05 29 00-0223 | EA | 1", Two Hole Steel Conduit Strap | 5.50 | |
| | | *For Work In Restricted Working Space, Add* | *1.36* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.34* | |
| | | *For >50 To 100, Deduct* | *-0.25* | |
| | | *For >100 To 250, Deduct* | *-0.50* | |
| | | *For >250 To 500, Deduct* | *-0.98* | |
| | | *For >500, Deduct* | *-1.46* | |
| 26 05 29 00-0224 | EA | 1-1/4", Two Hole Steel Conduit Strap | 5.57 | |
| | | *For Work In Restricted Working Space, Add* | *1.36* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.34* | |
| | | *For >50 To 100, Deduct* | *-0.25* | |
| | | *For >100 To 250, Deduct* | *-0.51* | |
| | | *For >250 To 500, Deduct* | *-0.99* | |
| | | *For >500, Deduct* | *-1.47* | |
| 26 05 29 00-0225 | EA | 1-1/2", Two Hole Steel Conduit Strap | 5.62 | |
| | | *For Work In Restricted Working Space, Add* | *1.36* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.34* | |
| | | *For >50 To 100, Deduct* | *-0.25* | |
| | | *For >100 To 250, Deduct* | *-0.51* | |
| | | *For >250 To 500, Deduct* | *-0.99* | |
| | | *For >500, Deduct* | *-1.47* | |
| 26 05 29 00-0226 | EA | 2", Two Hole Steel Conduit Strap | 5.75 | |
| | | *For Work In Restricted Working Space, Add* | *1.36* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.34* | |
| | | *For >50 To 100, Deduct* | *-0.26* | |
| | | *For >100 To 250, Deduct* | *-0.51* | |
| | | *For >250 To 500, Deduct* | *-1.00* | |
| | | *For >500, Deduct* | *-1.48* | |
| 26 05 29 00-0227 | EA | 2-1/2", Two Hole Steel Conduit Strap | 6.44 | |
| | | *For Work In Restricted Working Space, Add* | *1.36* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.34* | |
| | | *For >50 To 100, Deduct* | *-0.27* | |
| | | *For >100 To 250, Deduct* | *-0.55* | |
| | | *For >250 To 500, Deduct* | *-1.05* | |
| | | *For >500, Deduct* | *-1.55* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0228 | EA | 3", Two Hole Steel Conduit Strap | 6.59 | |
| | | *For Work In Restricted Working Space, Add* | *1.36* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.34* | |
| | | *For >50 To 100, Deduct* | *-0.28* | |
| | | *For >100 To 250, Deduct* | *-0.56* | |
| | | *For >250 To 500, Deduct* | *-1.06* | |
| | | *For >500, Deduct* | *-1.57* | |
| 26 05 29 00-0229 | EA | 3-1/2", Two Hole Steel Conduit Strap | 7.13 | |
| | | *For Work In Restricted Working Space, Add* | *1.36* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.34* | |
| | | *For >50 To 100, Deduct* | *-0.29* | |
| | | *For >100 To 250, Deduct* | *-0.58* | |
| | | *For >250 To 500, Deduct* | *-1.10* | |
| | | *For >500, Deduct* | *-1.62* | |
| 26 05 29 00-0230 | EA | 4", Two Hole Steel Conduit Strap | 7.51 | |
| | | *For Work In Restricted Working Space, Add* | *1.36* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.34* | |
| | | *For >50 To 100, Deduct* | *-0.30* | |
| | | *For >100 To 250, Deduct* | *-0.60* | |
| | | *For >250 To 500, Deduct* | *-1.13* | |
| | | *For >500, Deduct* | *-1.66* | |
| 26 05 29 00-0231 | EA | 5", Two Hole Steel Conduit Strap | 8.00 | |
| | | *For Work In Restricted Working Space, Add* | *1.36* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.34* | |
| | | *For >50 To 100, Deduct* | *-0.31* | |
| | | *For >100 To 250, Deduct* | *-0.63* | |
| | | *For >250 To 500, Deduct* | *-1.17* | |
| | | *For >500, Deduct* | *-1.71* | |

## 26 05 29 00-0232 Clamp Back Spacers *(26 05 29 00-0196)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0233 | EA | 1/2" Conduit, Clamp Back Spacer | 4.30 | |
| | | *For Work In Restricted Working Space, Add* | *0.95* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.89* | |
| | | *For >50 To 100, Deduct* | *-0.19* | |
| | | *For >100 To 250, Deduct* | *-0.37* | |
| | | *For >250 To 500, Deduct* | *-0.72* | |
| | | *For >500, Deduct* | *-1.06* | |
| 26 05 29 00-0234 | EA | 3/4" Conduit, Clamp Back Spacer | 4.68 | |
| | | *For Work In Restricted Working Space, Add* | *0.95* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.89* | |
| | | *For >50 To 100, Deduct* | *-0.20* | |
| | | *For >100 To 250, Deduct* | *-0.39* | |
| | | *For >250 To 500, Deduct* | *-0.74* | |
| | | *For >500, Deduct* | *-1.10* | |
| 26 05 29 00-0235 | EA | 1" Conduit, Clamp Back Spacer | 5.03 | |
| | | *For Work In Restricted Working Space, Add* | *0.95* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.89* | |
| | | *For >50 To 100, Deduct* | *-0.20* | |
| | | *For >100 To 250, Deduct* | *-0.41* | |
| | | *For >250 To 500, Deduct* | *-0.77* | |
| | | *For >500, Deduct* | *-1.13* | |
| 26 05 29 00-0236 | EA | 1-1/4" Conduit, Clamp Back Spacer | 6.42 | |
| | | *For Work In Restricted Working Space, Add* | *0.95* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.89* | |
| | | *For >50 To 100, Deduct* | *-0.24* | |
| | | *For >100 To 250, Deduct* | *-0.48* | |
| | | *For >250 To 500, Deduct* | *-0.88* | |
| | | *For >500, Deduct* | *-1.27* | |
| 26 05 29 00-0237 | EA | 1-1/2" Conduit, Clamp Back Spacer | 7.53 | |
| | | *For Work In Restricted Working Space, Add* | *0.95* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.89* | |
| | | *For >50 To 100, Deduct* | *-0.27* | |
| | | *For >100 To 250, Deduct* | *-0.53* | |
| | | *For >250 To 500, Deduct* | *-0.96* | |
| | | *For >500, Deduct* | *-1.38* | |
| 26 05 29 00-0238 | EA | 2" Conduit, Clamp Back Spacer | 8.70 | |
| | | *For Work In Restricted Working Space, Add* | *0.95* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.89* | |
| | | *For >50 To 100, Deduct* | *-0.30* | |
| | | *For >100 To 250, Deduct* | *-0.59* | |
| | | *For >250 To 500, Deduct* | *-1.05* | |
| | | *For >500, Deduct* | *-1.50* | |
| 26 05 29 00-0239 | EA | 2-1/2" Conduit, Clamp Back Spacer | 13.46 | |
| | | *For Work In Restricted Working Space, Add* | *0.95* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.89* | |
| | | *For >50 To 100, Deduct* | *-0.42* | |
| | | *For >100 To 250, Deduct* | *-0.83* | |
| | | *For >250 To 500, Deduct* | *-1.40* | |
| | | *For >500, Deduct* | *-1.98* | |
| 26 05 29 00-0240 | EA | 3" Conduit, Clamp Back Spacer | 19.14 | |
| | | *For Work In Restricted Working Space, Add* | *0.95* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.89* | |
| | | *For >50 To 100, Deduct* | *-0.56* | |
| | | *For >100 To 250, Deduct* | *-1.11* | |
| | | *For >250 To 500, Deduct* | *-1.83* | |
| | | *For >500, Deduct* | *-2.54* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0241 | EA | 3-1/2" Conduit, Clamp Back Spacer | 24.66 | |
| | | *For Work In Restricted Working Space, Add* | *0.95* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.89* | |
| | | *For >50 To 100, Deduct* | *-0.70* | |
| | | *For >100 To 250, Deduct* | *-1.39* | |
| | | *For >250 To 500, Deduct* | *-2.24* | |
| | | *For >500, Deduct* | *-3.10* | |
| 26 05 29 00-0242 | EA | 4" Conduit, Clamp Back Spacer | 50.58 | |
| | | *For Work In Restricted Working Space, Add* | *0.95* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.89* | |
| | | *For >50 To 100, Deduct* | *-1.34* | |
| | | *For >100 To 250, Deduct* | *-2.69* | |
| | | *For >250 To 500, Deduct* | *-4.19* | |
| | | *For >500, Deduct* | *-5.69* | |
| 26 05 29 00-0243 | EA | 5" Conduit, Clamp Back Spacer | 94.33 | |
| | | *For Work In Restricted Working Space, Add* | *0.95* | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.89* | |
| | | *For >50 To 100, Deduct* | *-2.44* | |
| | | *For >100 To 250, Deduct* | *-4.87* | |
| | | *For >250 To 500, Deduct* | *-7.47* | |
| | | *For >500, Deduct* | *-10.06* | |

## 26 05 29 00-0244 Conduit Clips *(26 05 29 00-0196)*

Note: Push in or clip.

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0245 | EA | 1/2" Conduit Clip | 5.24 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.46* | |
| | | *For >250 To 500, Deduct* | *-0.90* | |
| | | *For >500, Deduct* | *-1.33* | |
| 26 05 29 00-0246 | EA | 3/4" Conduit Clip | 5.24 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.46* | |
| | | *For >250 To 500, Deduct* | *-0.90* | |
| | | *For >500, Deduct* | *-1.33* | |
| 26 05 29 00-0247 | EA | 1" Conduit Clip | 5.15 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.46* | |
| | | *For >250 To 500, Deduct* | *-0.89* | |
| | | *For >500, Deduct* | *-1.32* | |
| 26 05 29 00-0248 | EA | 1-1/4" Conduit Clip | 5.37 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.11* | |
| | | *For >50 To 100, Deduct* | *-0.24* | |
| | | *For >100 To 250, Deduct* | *-0.47* | |
| | | *For >250 To 500, Deduct* | *-0.91* | |
| | | *For >500, Deduct* | *-1.35* | |

## 26 05 29 00-0249 Bolt And Nut Conduit Clips *(26 05 29 00-0196)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0250 | EA | 3/4" Bolt And Nut Conduit Clip (Minerallac 1B) | 6.50 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.36* | |
| | | *For >50 To 100, Deduct* | *-0.29* | |
| | | *For >100 To 250, Deduct* | *-0.58* | |
| | | *For >250 To 500, Deduct* | *-1.12* | |
| | | *For >500, Deduct* | *-1.66* | |
| 26 05 29 00-0251 | EA | 1" Bolt And Nut Conduit Clip (Minerallac 2B) | 6.73 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.36* | |
| | | *For >50 To 100, Deduct* | *-0.29* | |
| | | *For >100 To 250, Deduct* | *-0.59* | |
| | | *For >250 To 500, Deduct* | *-1.13* | |
| | | *For >500, Deduct* | *-1.68* | |
| 26 05 29 00-0252 | EA | 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B) | 7.18 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.44* | |
| | | *For >50 To 100, Deduct* | *-0.31* | |
| | | *For >100 To 250, Deduct* | *-0.63* | |
| | | *For >250 To 500, Deduct* | *-1.21* | |
| | | *For >500, Deduct* | *-1.79* | |
| 26 05 29 00-0253 | EA | 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B) | 7.31 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.44* | |
| | | *For >50 To 100, Deduct* | *-0.32* | |
| | | *For >100 To 250, Deduct* | *-0.63* | |
| | | *For >250 To 500, Deduct* | *-1.22* | |
| | | *For >500, Deduct* | *-1.80* | |
| 26 05 29 00-0254 | EA | 2" Bolt And Nut Conduit Clip (Minerallac 5B) | 8.19 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.44* | |
| | | *For >50 To 100, Deduct* | *-0.34* | |
| | | *For >100 To 250, Deduct* | *-0.68* | |
| | | *For >250 To 500, Deduct* | *-1.28* | |
| | | *For >500, Deduct* | *-1.89* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0255 | EA | 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B) | 8.88 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.52* | |
| | | *For >50 To 100, Deduct* | *-0.36* | |
| | | *For >100 To 250, Deduct* | *-0.73* | |
| | | *For >250 To 500, Deduct* | *-1.37* | |
| | | *For >500, Deduct* | *-2.02* | |
| 26 05 29 00-0256 | EA | 3" Bolt And Nut Conduit Clip (Minerallac 7B) | 9.67 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.52* | |
| | | *For >50 To 100, Deduct* | *-0.38* | |
| | | *For >100 To 250, Deduct* | *-0.77* | |
| | | *For >250 To 500, Deduct* | *-1.43* | |
| | | *For >500, Deduct* | *-2.10* | |
| 26 05 29 00-0257 | EA | 4" Bolt And Nut Conduit Clip (Minerallac 9B) | 17.71 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *1.68* | |
| | | *For >50 To 100, Deduct* | *-0.60* | |
| | | *For >100 To 250, Deduct* | *-1.20* | |
| | | *For >250 To 500, Deduct* | *-2.12* | |
| | | *For >500, Deduct* | *-3.03* | |

## 26 05 29 00-0258 Conduit Hanger From Flange, Wire Or Rod *(26 05 29 00-0196)*

Note: Bat wing.

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0259 | EA | 1/2", Conduit Hanger From Flange, Wire Or Rod | 3.78 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.86* | |
| | | *For >50 To 100, Deduct* | *-0.17* | |
| | | *For >100 To 250, Deduct* | *-0.34* | |
| | | *For >250 To 500, Deduct* | *-0.66* | |
| | | *For >500, Deduct* | *-0.98* | |
| 26 05 29 00-0260 | EA | 3/4", Conduit Hanger From Flange, Wire Or Rod | 3.84 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.86* | |
| | | *For >50 To 100, Deduct* | *-0.17* | |
| | | *For >100 To 250, Deduct* | *-0.34* | |
| | | *For >250 To 500, Deduct* | *-0.67* | |
| | | *For >500, Deduct* | *-0.99* | |
| 26 05 29 00-0261 | EA | 1", Conduit Hanger From Flange, Wire Or Rod | 4.02 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.86* | |
| | | *For >50 To 100, Deduct* | *-0.18* | |
| | | *For >100 To 250, Deduct* | *-0.35* | |
| | | *For >250 To 500, Deduct* | *-0.68* | |
| | | *For >500, Deduct* | *-1.01* | |
| 26 05 29 00-0262 | EA | 1-1/4", Conduit Hanger From Flange, Wire Or Rod | 4.46 | |
| | | *For Installation On Concrete (Includes Drilling And Fastener), Add* | *0.86* | |
| | | *For >50 To 100, Deduct* | *-0.19* | |
| | | *For >100 To 250, Deduct* | *-0.37* | |
| | | *For >250 To 500, Deduct* | *-0.71* | |
| | | *For >500, Deduct* | *-1.05* | |

## 26 05 29 00-0263 Beam Flange Clamps *(26 05 29 00-0196)*

Note: For threaded rod, nut not required.

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0264 | EA | 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24) | 5.64 | |
| | | *For >50 To 100, Deduct* | *-0.22* | |
| | | *For >100 To 250, Deduct* | *-0.44* | |
| | | *For >250 To 500, Deduct* | *-0.82* | |
| | | *For >500, Deduct* | *-1.19* | |
| 26 05 29 00-0265 | EA | 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58) | 5.52 | |
| | | *For >50 To 100, Deduct* | *-0.22* | |
| | | *For >100 To 250, Deduct* | *-0.43* | |
| | | *For >250 To 500, Deduct* | *-0.81* | |
| | | *For >500, Deduct* | *-1.18* | |
| 26 05 29 00-0266 | EA | 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912) | 6.21 | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.47* | |
| | | *For >250 To 500, Deduct* | *-0.86* | |
| | | *For >500, Deduct* | *-1.25* | |

## 26 05 29 00-0267 T-Bar Support Clips *(26 05 29 00-0196)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0268 | EA | 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95) | 9.31 | |
| | | *For >50 To 100, Deduct* | *-0.39* | |
| | | *For >100 To 250, Deduct* | *-0.78* | |
| | | *For >250 To 500, Deduct* | *-1.49* | |
| | | *For >500, Deduct* | *-2.19* | |
| 26 05 29 00-0269 | EA | 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS) | 8.78 | |
| | | *For >50 To 100, Deduct* | *-0.38* | |
| | | *For >100 To 250, Deduct* | *-0.75* | |
| | | *For >250 To 500, Deduct* | *-1.45* | |
| | | *For >500, Deduct* | *-2.14* | |
| 26 05 29 00-0270 | EA | 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16) | 3.42 | |
| | | *For >50 To 100, Deduct* | *-0.12* | |
| | | *For >100 To 250, Deduct* | *-0.25* | |
| | | *For >250 To 500, Deduct* | *-0.45* | |
| | | *For >500, Deduct* | *-0.66* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0271 | EA | 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512) | 29.13 | |
| | | *For >50 To 100, Deduct* | *-0.79* | |
| | | *For >100 To 250, Deduct* | *-1.58* | |
| | | *For >250 To 500, Deduct* | *-2.50* | |
| | | *For >500, Deduct* | *-3.42* | |

## 26 05 29 00-0272 Switch And Outlet Box Type Supports *(26 05 29 00-0196)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0273 | EA | 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) | 7.07 | |
| | | *For >50 To 100, Deduct* | *-0.24* | |
| | | *For >100 To 250, Deduct* | *-0.48* | |
| | | *For >250 To 500, Deduct* | *-0.85* | |
| | | *For >500, Deduct* | *-1.21* | |
| 26 05 29 00-0274 | EA | 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500) | 5.95 | |
| | | *For >50 To 100, Deduct* | *-0.21* | |
| | | *For >100 To 250, Deduct* | *-0.42* | |
| | | *For >250 To 500, Deduct* | *-0.76* | |
| | | *For >500, Deduct* | *-1.10* | |
| 26 05 29 00-0275 | EA | Flush, Riveted Switch And Outlet Box Support (Caddy MFO) | 6.91 | |
| | | *For >50 To 100, Deduct* | *-0.24* | |
| | | *For >100 To 250, Deduct* | *-0.47* | |
| | | *For >250 To 500, Deduct* | *-0.83* | |
| | | *For >500, Deduct* | *-1.20* | |
| 26 05 29 00-0276 | EA | Snap On, Switch And Outlet Box Support (Caddy MSF) | 4.36 | |
| | | *For >50 To 100, Deduct* | *-0.17* | |
| | | *For >100 To 250, Deduct* | *-0.34* | |
| | | *For >250 To 500, Deduct* | *-0.64* | |
| | | *For >500, Deduct* | *-0.94* | |
| 26 05 29 00-0277 | EA | 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI) | 4.56 | |
| | | *For >50 To 100, Deduct* | *-0.18* | |
| | | *For >100 To 250, Deduct* | *-0.35* | |
| | | *For >250 To 500, Deduct* | *-0.66* | |
| | | *For >500, Deduct* | *-0.96* | |

## 26 05 29 00-0278 Lighting Fixture Hanger *(26 05 29 00-0196)*

Note: For existing or owner furnished fixtures.

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0279 | EA | Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515) | 6.13 | |
| | | *For >50 To 100, Deduct* | *-0.28* | |
| | | *For >100 To 250, Deduct* | *-0.56* | |
| | | *For >250 To 500, Deduct* | *-1.09* | |
| | | *For >500, Deduct* | *-1.62* | |
| 26 05 29 00-0280 | PR | Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517) | 22.73 | |
| | | *For >50 To 100, Deduct* | *-0.69* | |
| | | *For >100 To 250, Deduct* | *-1.39* | |
| | | *For >250 To 500, Deduct* | *-2.33* | |
| | | *For >500, Deduct* | *-3.28* | |
| 26 05 29 00-0281 | PR | Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520) | 31.45 | |
| | | *For >50 To 100, Deduct* | *-0.91* | |
| | | *For >100 To 250, Deduct* | *-1.82* | |
| | | *For >250 To 500, Deduct* | *-2.99* | |
| | | *For >500, Deduct* | *-4.15* | |

## 26 05 29 00-0282 Rigid Steel Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0283 | EA | 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel | 5.54 | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.47* | |
| | | *For >250 To 500, Deduct* | *-0.89* | |
| | | *For >500, Deduct* | *-1.31* | |
| | | *For Work In Restricted Working Space, Add* | *1.13* | |
| 26 05 29 00-0284 | EA | 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel | 5.57 | |
| | | *For >50 To 100, Deduct* | *-0.23* | |
| | | *For >100 To 250, Deduct* | *-0.47* | |
| | | *For >250 To 500, Deduct* | *-0.89* | |
| | | *For >500, Deduct* | *-1.31* | |
| | | *For Work In Restricted Working Space, Add* | *1.13* | |
| 26 05 29 00-0285 | EA | 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel | 5.71 | |
| | | *For >50 To 100, Deduct* | *-0.24* | |
| | | *For >100 To 250, Deduct* | *-0.47* | |
| | | *For >250 To 500, Deduct* | *-0.90* | |
| | | *For >500, Deduct* | *-1.33* | |
| | | *For Work In Restricted Working Space, Add* | *1.13* | |
| 26 05 29 00-0286 | EA | 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel | 7.16 | |
| | | *For >50 To 100, Deduct* | *-0.31* | |
| | | *For >100 To 250, Deduct* | *-0.61* | |
| | | *For >250 To 500, Deduct* | *-1.17* | |
| | | *For >500, Deduct* | *-1.72* | |
| | | *For Work In Restricted Working Space, Add* | *1.51* | |
| 26 05 29 00-0287 | EA | 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel | 7.88 | |
| | | *For >50 To 100, Deduct* | *-0.32* | |
| | | *For >100 To 250, Deduct* | *-0.65* | |
| | | *For >250 To 500, Deduct* | *-1.22* | |
| | | *For >500, Deduct* | *-1.80* | |
| | | *For Work In Restricted Working Space, Add* | *1.51* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0288 | EA | 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel | 7.95 | |
| | | *For >50 To 100, Deduct* | *-0.32* | |
| | | *For >100 To 250, Deduct* | *-0.65* | |
| | | *For >250 To 500, Deduct* | *-1.23* | |
| | | *For >500, Deduct* | *-1.80* | |
| | | *For Work In Restricted Working Space, Add* | *1.51* | |
| 26 05 29 00-0289 | EA | 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel | 9.73 | |
| | | *For >50 To 100, Deduct* | *-0.40* | |
| | | *For >100 To 250, Deduct* | *-0.80* | |
| | | *For >250 To 500, Deduct* | *-1.52* | |
| | | *For >500, Deduct* | *-2.23* | |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |
| 26 05 29 00-0290 | EA | 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel | 10.36 | |
| | | *For >50 To 100, Deduct* | *-0.42* | |
| | | *For >100 To 250, Deduct* | *-0.83* | |
| | | *For >250 To 500, Deduct* | *-1.56* | |
| | | *For >500, Deduct* | *-2.30* | |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |
| 26 05 29 00-0291 | EA | 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel | 10.97 | |
| | | *For >50 To 100, Deduct* | *-0.43* | |
| | | *For >100 To 250, Deduct* | *-0.86* | |
| | | *For >250 To 500, Deduct* | *-1.61* | |
| | | *For >500, Deduct* | *-2.36* | |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |
| 26 05 29 00-0292 | EA | 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel | 11.19 | |
| | | *For >50 To 100, Deduct* | *-0.44* | |
| | | *For >100 To 250, Deduct* | *-0.87* | |
| | | *For >250 To 500, Deduct* | *-1.63* | |
| | | *For >500, Deduct* | *-2.38* | |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |

## 26 05 29 00-0293 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0294 | EA | 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel | 6.01 | |
| | | *For >50 To 100, Deduct* | *-0.24* | |
| | | *For >100 To 250, Deduct* | *-0.49* | |
| | | *For >250 To 500, Deduct* | *-0.92* | |
| | | *For >500, Deduct* | *-1.36* | |
| | | *For Work In Restricted Working Space, Add* | *1.13* | |
| 26 05 29 00-0295 | EA | 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel | 5.95 | |
| | | *For >50 To 100, Deduct* | *-0.24* | |
| | | *For >100 To 250, Deduct* | *-0.49* | |
| | | *For >250 To 500, Deduct* | *-0.92* | |
| | | *For >500, Deduct* | *-1.35* | |
| | | *For Work In Restricted Working Space, Add* | *1.13* | |
| 26 05 29 00-0296 | EA | 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel | 5.88 | |
| | | *For >50 To 100, Deduct* | *-0.24* | |
| | | *For >100 To 250, Deduct* | *-0.48* | |
| | | *For >250 To 500, Deduct* | *-0.91* | |
| | | *For >500, Deduct* | *-1.34* | |
| | | *For Work In Restricted Working Space, Add* | *1.13* | |
| 26 05 29 00-0297 | EA | 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel | 7.73 | |
| | | *For >50 To 100, Deduct* | *-0.32* | |
| | | *For >100 To 250, Deduct* | *-0.64* | |
| | | *For >250 To 500, Deduct* | *-1.21* | |
| | | *For >500, Deduct* | *-1.78* | |
| | | *For Work In Restricted Working Space, Add* | *1.51* | |
| 26 05 29 00-0298 | EA | 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel | 8.98 | |
| | | *For >50 To 100, Deduct* | *-0.35* | |
| | | *For >100 To 250, Deduct* | *-0.70* | |
| | | *For >250 To 500, Deduct* | *-1.30* | |
| | | *For >500, Deduct* | *-1.91* | |
| | | *For Work In Restricted Working Space, Add* | *1.51* | |
| 26 05 29 00-0299 | EA | 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel | 9.05 | |
| | | *For >50 To 100, Deduct* | *-0.35* | |
| | | *For >100 To 250, Deduct* | *-0.70* | |
| | | *For >250 To 500, Deduct* | *-1.31* | |
| | | *For >500, Deduct* | *-1.91* | |
| | | *For Work In Restricted Working Space, Add* | *1.51* | |

## 26 05 29 00-0300 "J" Type Conduit Hangers *(26 05 29 00-0196)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0301 | EA | 1/2", "J" Type Conduit Hanger (Unistrut J1205) | 27.14 | |
| | | *For >50 To 100, Deduct* | *-0.90* | |
| | | *For >100 To 250, Deduct* | *-1.80* | |
| | | *For >250 To 500, Deduct* | *-3.14* | |
| | | *For >500, Deduct* | *-4.48* | |
| | | *For Work In Restricted Working Space, Add* | *2.65* | |
| 26 05 29 00-0302 | EA | 3/4", "J" Type Conduit Hanger (Unistrut J1207) | 27.46 | |
| | | *For >50 To 100, Deduct* | *-0.91* | |
| | | *For >100 To 250, Deduct* | *-1.81* | |
| | | *For >250 To 500, Deduct* | *-3.16* | |
| | | *For >500, Deduct* | *-4.51* | |
| | | *For Work In Restricted Working Space, Add* | *2.65* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0303 | EA | 1", "J" Type Conduit Hanger (Unistrut J1210) | 29.01 | |
| | | *For >50 To 100, Deduct* | *-0.98* | |
| | | *For >100 To 250, Deduct* | *-1.95* | |
| | | *For >250 To 500, Deduct* | *-3.44* | |
| | | *For >500, Deduct* | *-4.92* | |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| 26 05 29 00-0304 | EA | 1-1/4", "J" Type Conduit Hanger (Unistrut J1212) | 29.35 | |
| | | *For >50 To 100, Deduct* | *-0.99* | |
| | | *For >100 To 250, Deduct* | *-1.97* | |
| | | *For >250 To 500, Deduct* | *-3.46* | |
| | | *For >500, Deduct* | *-4.95* | |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| 26 05 29 00-0305 | EA | 1-1/2", "J" Type Conduit Hanger (Unistrut J1215) | 30.84 | |
| | | *For >50 To 100, Deduct* | *-1.05* | |
| | | *For >100 To 250, Deduct* | *-2.11* | |
| | | *For >250 To 500, Deduct* | *-3.73* | |
| | | *For >500, Deduct* | *-5.35* | |
| | | *For Work In Restricted Working Space, Add* | *3.40* | |
| 26 05 29 00-0306 | EA | 2", "J" Type Conduit Hanger (Unistrut J1220) | 32.14 | |
| | | *For >50 To 100, Deduct* | *-1.09* | |
| | | *For >100 To 250, Deduct* | *-2.17* | |
| | | *For >250 To 500, Deduct* | *-3.83* | |
| | | *For >500, Deduct* | *-5.48* | |
| | | *For Work In Restricted Working Space, Add* | *3.40* | |
| 26 05 29 00-0307 | EA | 2-1/2", "J" Type Conduit Hanger (Unistrut J1225) | 51.99 | |
| | | *For >50 To 100, Deduct* | *-1.62* | |
| | | *For >100 To 250, Deduct* | *-3.23* | |
| | | *For >250 To 500, Deduct* | *-5.48* | |
| | | *For >500, Deduct* | *-7.72* | |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| 26 05 29 00-0308 | EA | 3", "J" Type Conduit Hanger (Unistrut J1230) | 55.22 | |
| | | *For >50 To 100, Deduct* | *-1.73* | |
| | | *For >100 To 250, Deduct* | *-3.45* | |
| | | *For >250 To 500, Deduct* | *-5.88* | |
| | | *For >500, Deduct* | *-8.30* | |
| | | *For Work In Restricted Working Space, Add* | *4.16* | |
| 26 05 29 00-0309 | EA | 3-1/2", "J" Type Conduit Hanger (Unistrut J1235) | 59.42 | |
| | | *For >50 To 100, Deduct* | *-1.86* | |
| | | *For >100 To 250, Deduct* | *-3.73* | |
| | | *For >250 To 500, Deduct* | *-6.35* | |
| | | *For >500, Deduct* | *-8.97* | |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| 26 05 29 00-0310 | EA | 4", "J" Type Conduit Hanger (Unistrut J1240) | 79.58 | |
| | | *For >50 To 100, Deduct* | *-2.37* | |
| | | *For >100 To 250, Deduct* | *-4.74* | |
| | | *For >250 To 500, Deduct* | *-7.86* | |
| | | *For >500, Deduct* | *-10.98* | |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| 26 05 29 00-0311 | EA | 5", "J" Type Conduit Hanger (Unistrut J1250) | 87.45 | |
| | | *For >50 To 100, Deduct* | *-2.60* | |
| | | *For >100 To 250, Deduct* | *-5.19* | |
| | | *For >250 To 500, Deduct* | *-8.61* | |
| | | *For >500, Deduct* | *-12.02* | |
| | | *For Work In Restricted Working Space, Add* | *4.91* | |
| 26 05 29 00-0312 | EA | 6", "J" Type Conduit Hanger (Unistrut J1260) | 123.77 | |
| | | *For >50 To 100, Deduct* | *-3.57* | |
| | | *For >100 To 250, Deduct* | *-7.13* | |
| | | *For >250 To 500, Deduct* | *-11.65* | |
| | | *For >500, Deduct* | *-16.16* | |
| | | *For Work In Restricted Working Space, Add* | *5.67* | |

## 26 05 29 00-0313 Between Studs Box Brackets *(26 05 29 00-0196)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0314 | EA | 16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A) | 9.72 | |
| | | *For >50 To 100, Deduct* | *-0.34* | |
| | | *For >100 To 250, Deduct* | *-0.68* | |
| | | *For >250 To 500, Deduct* | *-1.20* | |
| | | *For >500, Deduct* | *-1.73* | |
| | | *For Work In Restricted Working Space, Add* | *1.13* | |
| 26 05 29 00-0315 | EA | 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A) | 11.77 | |
| | | *For >50 To 100, Deduct* | *-0.39* | |
| | | *For >100 To 250, Deduct* | *-0.78* | |
| | | *For >250 To 500, Deduct* | *-1.36* | |
| | | *For >500, Deduct* | *-1.93* | |
| | | *For Work In Restricted Working Space, Add* | *1.13* | |

## 26 05 29 00-0316 Hangers And Brackets *(26 05 29 00-0196)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0317 | EA | Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI) | 3.31 | |
| | | *For >50 To 100, Deduct* | *-0.15* | |
| | | *For >100 To 250, Deduct* | *-0.29* | |
| | | *For >250 To 500, Deduct* | *-0.56* | |
| | | *For >500, Deduct* | *-0.84* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0318 | EA | Angle Bracket Only With 1/4" Hole (Caddy AB) | 3.19 | |
| | | *For >50 To 100, Deduct* | *-0.14* | |
| | | *For >100 To 250, Deduct* | *-0.29* | |
| | | *For >250 To 500, Deduct* | *-0.56* | |
| | | *For >500, Deduct* | *-0.83* | |
| 26 05 29 00-0319 | EA | Offset Bracket Only With 1/4" Hole (Caddy AO) | 3.19 | |
| | | *For >50 To 100, Deduct* | *-0.14* | |
| | | *For >100 To 250, Deduct* | *-0.29* | |
| | | *For >250 To 500, Deduct* | *-0.56* | |
| | | *For >500, Deduct* | *-0.83* | |
| 26 05 29 00-0320 | EA | Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB) | 4.42 | |
| | | *For >50 To 100, Deduct* | *-0.17* | |
| | | *For >100 To 250, Deduct* | *-0.35* | |
| | | *For >250 To 500, Deduct* | *-0.65* | |
| | | *For >500, Deduct* | *-0.95* | |
| 26 05 29 00-0321 | EA | Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB) | 4.45 | |
| | | *For >50 To 100, Deduct* | *-0.17* | |
| | | *For >100 To 250, Deduct* | *-0.35* | |
| | | *For >250 To 500, Deduct* | *-0.65* | |
| | | *For >500, Deduct* | *-0.95* | |
| 26 05 29 00-0322 | EA | Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB) | 4.31 | |
| | | *For >50 To 100, Deduct* | *-0.17* | |
| | | *For >100 To 250, Deduct* | *-0.34* | |
| | | *For >250 To 500, Deduct* | *-0.64* | |
| | | *For >500, Deduct* | *-0.94* | |
| 26 05 29 00-0323 | EA | Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO) | 4.42 | |
| | | *For >50 To 100, Deduct* | *-0.17* | |
| | | *For >100 To 250, Deduct* | *-0.35* | |
| | | *For >250 To 500, Deduct* | *-0.65* | |
| | | *For >500, Deduct* | *-0.95* | |
| 26 05 29 00-0324 | EA | Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO) | 4.45 | |
| | | *For >50 To 100, Deduct* | *-0.17* | |
| | | *For >100 To 250, Deduct* | *-0.35* | |
| | | *For >250 To 500, Deduct* | *-0.65* | |
| | | *For >500, Deduct* | *-0.95* | |

## 26 05 29 00-0325 Clips And Accessories *(26 05 29 00-0196)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0326 | EA | 1/2" Diameter Center, Bridle Ring (Caddy 2BR) | 2.25 | |
| | | *For >50 To 100, Deduct* | *-0.10* | |
| | | *For >100 To 250, Deduct* | *-0.19* | |
| | | *For >250 To 500, Deduct* | *-0.37* | |
| | | *For >500, Deduct* | *-0.54* | |
| 26 05 29 00-0327 | EA | 3/4" Diameter Center, Bridle Ring (Caddy 2BR12) | 2.30 | |
| | | *For >50 To 100, Deduct* | *-0.10* | |
| | | *For >100 To 250, Deduct* | *-0.19* | |
| | | *For >250 To 500, Deduct* | *-0.37* | |
| | | *For >500, Deduct* | *-0.54* | |
| 26 05 29 00-0328 | EA | 1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20) | 2.48 | |
| | | *For >50 To 100, Deduct* | *-0.10* | |
| | | *For >100 To 250, Deduct* | *-0.20* | |
| | | *For >250 To 500, Deduct* | *-0.38* | |
| | | *For >500, Deduct* | *-0.56* | |
| 26 05 29 00-0329 | EA | 2" Diameter Center, Bridle Ring (Caddy 2BR32) | 2.87 | |
| | | *For >50 To 100, Deduct* | *-0.11* | |
| | | *For >100 To 250, Deduct* | *-0.22* | |
| | | *For >250 To 500, Deduct* | *-0.41* | |
| | | *For >500, Deduct* | *-0.60* | |

## 26 05 29 00-0330 Wire Ties *(26 05 29 00-0196)*

Note: Per hundred (C).

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0331 | C | 3" Length, 18 Lb. Tensile Strength, Nylon Cable Ties | 32.20 | |
| | | *For Up To 0.1, Add* | *26.31* | |
| | | *For >0.1 To 0.25, Add* | *13.16* | |
| | | *For >0.25 To 0.75, Add* | *6.58* | |
| | | *For >2.0, Deduct* | *-2.63* | |
| | | *For UV Black, Add* | *0.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.89* | |
| 26 05 29 00-0332 | C | 4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties | 32.43 | |
| | | *For Up To 0.1, Add* | *26.31* | |
| | | *For >0.1 To 0.25, Add* | *13.16* | |
| | | *For >0.25 To 0.75, Add* | *6.58* | |
| | | *For >2.0, Deduct* | *-2.63* | |
| | | *For UV Black, Add* | *0.92* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.89* | |
| 26 05 29 00-0333 | C | 4-3/4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties | 32.59 | |
| | | *For Up To 0.1, Add* | *26.31* | |
| | | *For >0.1 To 0.25, Add* | *13.16* | |
| | | *For >0.25 To 0.75, Add* | *6.58* | |
| | | *For >2.0, Deduct* | *-2.63* | |
| | | *For UV Black, Add* | *0.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0334 | C | 5-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties | 32.66 | |
| | | *For Up To 0.1, Add* | *26.31* | |
| | | *For >0.1 To 0.25, Add* | *13.16* | |
| | | *For >0.25 To 0.75, Add* | *6.58* | |
| | | *For >2.0, Deduct* | *-2.63* | |
| | | *For UV Black, Add* | *0.95* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.89* | |
| 26 05 29 00-0335 | C | 6-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties | 33.87 | |
| | | *For Up To 0.1, Add* | *27.45* | |
| | | *For >0.1 To 0.25, Add* | *13.73* | |
| | | *For >0.25 To 0.75, Add* | *6.86* | |
| | | *For >2.0, Deduct* | *-2.75* | |
| | | *For UV Black, Add* | *0.96* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.24* | |
| 26 05 29 00-0336 | C | 8" Length, 18 Lb. Tensile Strength, Nylon Cable Ties | 40.09 | |
| | | *For Up To 0.1, Add* | *28.70* | |
| | | *For >0.1 To 0.25, Add* | *14.35* | |
| | | *For >0.25 To 0.75, Add* | *7.18* | |
| | | *For >2.0, Deduct* | *-2.87* | |
| | | *For UV Black, Add* | *1.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.61* | |
| 26 05 29 00-0337 | C | 4-3/4" Length, 40 Lb. Tensile Strength, Nylon Cable Ties | 38.52 | |
| | | *For Up To 0.1, Add* | *26.31* | |
| | | *For >0.1 To 0.25, Add* | *13.16* | |
| | | *For >0.25 To 0.75, Add* | *6.58* | |
| | | *For >2.0, Deduct* | *-2.63* | |
| | | *For UV Black, Add* | *1.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.89* | |
| 26 05 29 00-0338 | C | 6" Length, 40 Lb. Tensile Strength, Nylon Cable Ties | 39.76 | |
| | | *For Up To 0.1, Add* | *27.45* | |
| | | *For >0.1 To 0.25, Add* | *13.73* | |
| | | *For >0.25 To 0.75, Add* | *6.86* | |
| | | *For >2.0, Deduct* | *-2.75* | |
| | | *For UV Black, Add* | *1.85* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.24* | |
| 26 05 29 00-0339 | C | 8" Length, 40 Lb. Tensile Strength, Nylon Cable Ties | 41.07 | |
| | | *For Up To 0.1, Add* | *28.70* | |
| | | *For >0.1 To 0.25, Add* | *14.35* | |
| | | *For >0.25 To 0.75, Add* | *7.18* | |
| | | *For >2.0, Deduct* | *-2.87* | |
| | | *For UV Black, Add* | *1.86* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.61* | |
| 26 05 29 00-0340 | C | 10" Length, 40 Lb. Tensile Strength, Nylon Cable Ties | 59.48 | |
| | | *For Up To 0.1, Add* | *30.94* | |
| | | *For >0.1 To 0.25, Add* | *15.47* | |
| | | *For >0.25 To 0.75, Add* | *7.74* | |
| | | *For >2.0, Deduct* | *-3.09* | |
| | | *For UV Black, Add* | *4.28* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.28* | |
| 26 05 29 00-0341 | C | 11-1/2" Length, 40 Lb. Tensile Strength, Nylon Cable Ties | 62.06 | |
| | | *For Up To 0.1, Add* | *30.94* | |
| | | *For >0.1 To 0.25, Add* | *15.47* | |
| | | *For >0.25 To 0.75, Add* | *7.74* | |
| | | *For >2.0, Deduct* | *-3.09* | |
| | | *For UV Black, Add* | *4.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.28* | |
| 26 05 29 00-0342 | C | 7" Length, 50 Lb. Tensile Strength, Nylon Cable Ties | 42.88 | |
| | | *For Up To 0.1, Add* | *28.70* | |
| | | *For >0.1 To 0.25, Add* | *14.35* | |
| | | *For >0.25 To 0.75, Add* | *7.18* | |
| | | *For >2.0, Deduct* | *-2.87* | |
| | | *For UV Black, Add* | *2.13* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.61* | |
| 26 05 29 00-0343 | C | 8" Length, 50 Lb. Tensile Strength, Nylon Cable Ties | 40.59 | |
| | | *For Up To 0.1, Add* | *28.70* | |
| | | *For >0.1 To 0.25, Add* | *14.35* | |
| | | *For >0.25 To 0.75, Add* | *7.18* | |
| | | *For >2.0, Deduct* | *-2.87* | |
| | | *For UV Black, Add* | *1.78* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.61* | |
| 26 05 29 00-0344 | C | 11" Length, 50 Lb. Tensile Strength, Nylon Cable Ties | 60.19 | |
| | | *For Up To 0.1, Add* | *30.94* | |
| | | *For >0.1 To 0.25, Add* | *15.47* | |
| | | *For >0.25 To 0.75, Add* | *7.74* | |
| | | *For >2.0, Deduct* | *-3.09* | |
| | | *For UV Black, Add* | *4.39* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.28* | |
| 26 05 29 00-0345 | C | 14-1/2" Length, 50 Lb. Tensile Strength, Nylon Cable Ties | 68.84 | |
| | | *For Up To 0.1, Add* | *32.88* | |
| | | *For >0.1 To 0.25, Add* | *16.44* | |
| | | *For >0.25 To 0.75, Add* | *8.22* | |
| | | *For >2.0, Deduct* | *-3.29* | |
| | | *For UV Black, Add* | *5.39* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.86* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 29 00-0346 | | C | 8" Length, 120 Lb. Tensile Strength, Nylon Cable Ties | 67.28 | |
| | | | *For Up To 0.1, Add* | *28.70* | |
| | | | *For >0.1 To 0.25, Add* | *14.35* | |
| | | | *For >0.25 To 0.75, Add* | *7.18* | |
| | | | *For >2.0, Deduct* | *-2.87* | |
| | | | *For UV Black, Add* | *5.79* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.61* | |
| 26 05 29 00-0347 | | C | 11" Length, 120 Lb. Tensile Strength, Nylon Cable Ties | 73.65 | |
| | | | *For Up To 0.1, Add* | *30.94* | |
| | | | *For >0.1 To 0.25, Add* | *15.47* | |
| | | | *For >0.25 To 0.75, Add* | *7.74* | |
| | | | *For >2.0, Deduct* | *-3.09* | |
| | | | *For UV Black, Add* | *6.41* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.28* | |
| 26 05 29 00-0348 | | C | 15" Length, 120 Lb. Tensile Strength, Nylon Cable Ties | 89.06 | |
| | | | *For Up To 0.1, Add* | *32.88* | |
| | | | *For >0.1 To 0.25, Add* | *16.44* | |
| | | | *For >0.25 To 0.75, Add* | *8.22* | |
| | | | *For >2.0, Deduct* | *-3.29* | |
| | | | *For UV Black, Add* | *8.43* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.86* | |
| 26 05 29 00-0349 | | C | 17" Length, 120 Lb. Tensile Strength, Nylon Cable Ties | 127.12 | |
| | | | *For Up To 0.1, Add* | *35.07* | |
| | | | *For >0.1 To 0.25, Add* | *17.54* | |
| | | | *For >0.25 To 0.75, Add* | *8.77* | |
| | | | *For >2.0, Deduct* | *-3.51* | |
| | | | *For UV Black, Add* | *13.81* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.52* | |
| 26 05 29 00-0350 | | C | 17-3/4" Length, 175 Lb. Tensile Strength, Nylon Cable Ties | 123.19 | |
| | | | *For Up To 0.1, Add* | *35.07* | |
| | | | *For >0.1 To 0.25, Add* | *17.54* | |
| | | | *For >0.25 To 0.75, Add* | *8.77* | |
| | | | *For >2.0, Deduct* | *-3.51* | |
| | | | *For UV Black, Add* | *13.22* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.52* | |
| 26 05 29 00-0351 | | C | 21-11/16" Length, 175 Lb. Tensile Strength, Nylon Cable Ties | 149.95 | |
| | | | *For Up To 0.1, Add* | *36.71* | |
| | | | *For >0.1 To 0.25, Add* | *18.36* | |
| | | | *For >0.25 To 0.75, Add* | *9.18* | |
| | | | *For >2.0, Deduct* | *-3.67* | |
| | | | *For UV Black, Add* | *16.99* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.01* | |
| 26 05 29 00-0352 | | C | 30" Length, 175 Lb. Tensile Strength, Nylon Cable Ties | 173.46 | |
| | | | *For Up To 0.1, Add* | *38.49* | |
| | | | *For >0.1 To 0.25, Add* | *19.25* | |
| | | | *For >0.25 To 0.75, Add* | *9.62* | |
| | | | *For >2.0, Deduct* | *-3.85* | |
| | | | *For UV Black, Add* | *20.25* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.55* | |
| 26 05 29 00-0353 | | C | 46" Length, 175 Lb. Tensile Strength, Nylon Cable Ties | 237.64 | |
| | | | *For Up To 0.1, Add* | *41.53* | |
| | | | *For >0.1 To 0.25, Add* | *20.77* | |
| | | | *For >0.25 To 0.75, Add* | *10.38* | |
| | | | *For >2.0, Deduct* | *-4.15* | |
| | | | *For UV Black, Add* | *29.42* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.46* | |
| 26 05 29 00-0354 | | C | 3/4" x 3/4" Self Adhesive Tie Mounts | 42.34 | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.84* | |
| 26 05 29 00-0355 | | C | 1.1" x 1.1" Tie Mounts With Screw | 83.93 | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.67* | |
| 26 05 29 00-0356 | | EA | 6" Length x 1/2" Width, Velcro Grip Cable Tie | 2.48 | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *0.19* | |
| 26 05 29 00-0357 | | EA | 8" Length x 1/2" Width, Velcro Grip Cable Tie | 2.48 | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *0.16* | |
| 26 05 29 00-0358 | | EA | 12" Length x 1/2" Width, Velcro Grip Cable Tie | 3.05 | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *0.16* | |
| 26 05 29 00-0359 | | EA | 15" Length x 3/4" Width, Velcro Grip Cable Tie | 4.29 | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *0.16* | |
| 26 05 29 00-0360 | | EA | 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll<br>Note: Cut to length. | 110.21 | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1.18* | |

## 26 05 29 00-0361 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.

## 26 05 29 00-0362 Toggle Bolts *(26 05 29 00-0361)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

| | | | | | |
|---|---|---|---|---|---|
| 26 05 29 00-0363 | | EA | 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt | 9.83 | |
| | | | *For >50 To 100, Deduct* | *-0.94* | |
| | | | *For >100 To 250, Deduct* | *-1.87* | |
| | | | *For >250 To 500, Deduct* | *-3.27* | |
| | | | *For >500, Deduct* | *-4.67* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0364 | EA | 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt | 10.10 | |
| | | *For >50 To 100, Deduct* | *-0.96* | |
| | | *For >100 To 250, Deduct* | *-1.92* | |
| | | *For >250 To 500, Deduct* | *-3.35* | |
| | | *For >500, Deduct* | *-4.79* | |
| 26 05 29 00-0365 | EA | 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt | 10.66 | |
| | | *For >50 To 100, Deduct* | *-0.99* | |
| | | *For >100 To 250, Deduct* | *-1.98* | |
| | | *For >250 To 500, Deduct* | *-3.46* | |
| | | *For >500, Deduct* | *-4.93* | |
| 26 05 29 00-0366 | EA | 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt | 10.93 | |
| | | *For >50 To 100, Deduct* | *-1.02* | |
| | | *For >100 To 250, Deduct* | *-2.03* | |
| | | *For >250 To 500, Deduct* | *-3.54* | |
| | | *For >500, Deduct* | *-5.05* | |
| 26 05 29 00-0367 | EA | 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt | 11.18 | |
| | | *For >50 To 100, Deduct* | *-1.04* | |
| | | *For >100 To 250, Deduct* | *-2.08* | |
| | | *For >250 To 500, Deduct* | *-3.62* | |
| | | *For >500, Deduct* | *-5.17* | |
| 26 05 29 00-0368 | EA | 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt | 12.74 | |
| | | *For >50 To 100, Deduct* | *-1.10* | |
| | | *For >100 To 250, Deduct* | *-2.19* | |
| | | *For >250 To 500, Deduct* | *-3.81* | |
| | | *For >500, Deduct* | *-5.42* | |
| 26 05 29 00-0369 | EA | 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt | 13.27 | |
| | | *For >50 To 100, Deduct* | *-1.13* | |
| | | *For >100 To 250, Deduct* | *-2.25* | |
| | | *For >250 To 500, Deduct* | *-3.91* | |
| | | *For >500, Deduct* | *-5.57* | |

## 26 05 29 00-0370 Machine Screws *(26 05 29 00-0361)*

Note: Includes drilling in concrete, concrete block, wood or steel.

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0371 | EA | #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw | 2.90 | |
| | | *For >50 To 100, Deduct* | *-0.28* | |
| | | *For >100 To 250, Deduct* | *-0.57* | |
| | | *For >250 To 500, Deduct* | *-0.99* | |
| | | *For >500, Deduct* | *-1.41* | |
| 26 05 29 00-0372 | EA | #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw | 2.95 | |
| | | *For >50 To 100, Deduct* | *-0.28* | |
| | | *For >100 To 250, Deduct* | *-0.57* | |
| | | *For >250 To 500, Deduct* | *-0.99* | |
| | | *For >500, Deduct* | *-1.42* | |
| 26 05 29 00-0373 | EA | 1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw | 3.70 | |
| | | *For >50 To 100, Deduct* | *-0.36* | |
| | | *For >100 To 250, Deduct* | *-0.71* | |
| | | *For >250 To 500, Deduct* | *-1.24* | |
| | | *For >500, Deduct* | *-1.77* | |
| 26 05 29 00-0374 | EA | 5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw | 3.88 | |
| | | *For >50 To 100, Deduct* | *-0.36* | |
| | | *For >100 To 250, Deduct* | *-0.72* | |
| | | *For >250 To 500, Deduct* | *-1.26* | |
| | | *For >500, Deduct* | *-1.79* | |
| 26 05 29 00-0375 | EA | 3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw | 4.79 | |
| | | *For >50 To 100, Deduct* | *-0.43* | |
| | | *For >100 To 250, Deduct* | *-0.87* | |
| | | *For >250 To 500, Deduct* | *-1.51* | |
| | | *For >500, Deduct* | *-2.16* | |

## 26 05 29 00-0376 Hex Lag Bolts With Lag Shield Expansion Anchors *(26 05 29 00-0361)*

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0377 | EA | 1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor | 4.81 | |
| | | *For >50 To 100, Deduct* | *-0.38* | |
| | | *For >100 To 250, Deduct* | *-0.77* | |
| | | *For >250 To 500, Deduct* | *-1.33* | |
| | | *For >500, Deduct* | *-1.89* | |
| 26 05 29 00-0378 | EA | 5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor | 4.74 | |
| | | *For >50 To 100, Deduct* | *-0.38* | |
| | | *For >100 To 250, Deduct* | *-0.76* | |
| | | *For >250 To 500, Deduct* | *-1.32* | |
| | | *For >500, Deduct* | *-1.88* | |
| 26 05 29 00-0379 | EA | 3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor | 6.77 | |
| | | *For >50 To 100, Deduct* | *-0.48* | |
| | | *For >100 To 250, Deduct* | *-0.97* | |
| | | *For >250 To 500, Deduct* | *-1.66* | |
| | | *For >500, Deduct* | *-2.35* | |
| 26 05 29 00-0380 | EA | 1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor | 8.67 | |
| | | *For >50 To 100, Deduct* | *-0.58* | |
| | | *For >100 To 250, Deduct* | *-1.17* | |
| | | *For >250 To 500, Deduct* | *-1.99* | |
| | | *For >500, Deduct* | *-2.82* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| **26 05 29 00-0381** | | | **Hanger Lag Bolts With Hex Nuts** *(26 05 29 00-0361)* Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel. | | |
| 26 05 29 00-0382 | | EA | 1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut | 3.58 | |
| | | | *For >50 To 100, Deduct* | *-0.30* | |
| | | | *For >100 To 250, Deduct* | *-0.60* | |
| | | | *For >250 To 500, Deduct* | *-1.04* | |
| | | | *For >500, Deduct* | *-1.48* | |
| 26 05 29 00-0383 | | EA | 5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut | 3.64 | |
| | | | *For >50 To 100, Deduct* | *-0.30* | |
| | | | *For >100 To 250, Deduct* | *-0.60* | |
| | | | *For >250 To 500, Deduct* | *-1.04* | |
| | | | *For >500, Deduct* | *-1.48* | |
| 26 05 29 00-0384 | | EA | 3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut | 4.32 | |
| | | | *For >50 To 100, Deduct* | *-0.34* | |
| | | | *For >100 To 250, Deduct* | *-0.68* | |
| | | | *For >250 To 500, Deduct* | *-1.18* | |
| | | | *For >500, Deduct* | *-1.68* | |
| **26 05 29 00-0385** | | | **Hollow Wall Screw Anchors** *(26 05 29 00-0361)* | | |
| 26 05 29 00-0386 | | EA | 6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor | 2.11 | |
| | | | *For >50 To 100, Deduct* | *-0.18* | |
| | | | *For >100 To 250, Deduct* | *-0.36* | |
| | | | *For >250 To 500, Deduct* | *-0.62* | |
| | | | *For >500, Deduct* | *-0.88* | |
| 26 05 29 00-0387 | | EA | 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor | 2.18 | |
| | | | *For >50 To 100, Deduct* | *-0.18* | |
| | | | *For >100 To 250, Deduct* | *-0.36* | |
| | | | *For >250 To 500, Deduct* | *-0.63* | |
| | | | *For >500, Deduct* | *-0.89* | |
| 26 05 29 00-0388 | | EA | 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor | 2.28 | |
| | | | *For >50 To 100, Deduct* | *-0.18* | |
| | | | *For >100 To 250, Deduct* | *-0.37* | |
| | | | *For >250 To 500, Deduct* | *-0.63* | |
| | | | *For >500, Deduct* | *-0.90* | |
| 26 05 29 00-0389 | | EA | 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor | 2.90 | |
| | | | *For >50 To 100, Deduct* | *-0.22* | |
| | | | *For >100 To 250, Deduct* | *-0.44* | |
| | | | *For >250 To 500, Deduct* | *-0.75* | |
| | | | *For >500, Deduct* | *-1.07* | |
| 26 05 29 00-0390 | | EA | 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor | 3.05 | |
| | | | *For >50 To 100, Deduct* | *-0.22* | |
| | | | *For >100 To 250, Deduct* | *-0.45* | |
| | | | *For >250 To 500, Deduct* | *-0.77* | |
| | | | *For >500, Deduct* | *-1.09* | |
| 26 05 29 00-0391 | | EA | 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor | 3.09 | |
| | | | *For >50 To 100, Deduct* | *-0.22* | |
| | | | *For >100 To 250, Deduct* | *-0.45* | |
| | | | *For >250 To 500, Deduct* | *-0.77* | |
| | | | *For >500, Deduct* | *-1.09* | |
| 26 05 29 00-0392 | | EA | 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor | 3.12 | |
| | | | *For >50 To 100, Deduct* | *-0.22* | |
| | | | *For >100 To 250, Deduct* | *-0.45* | |
| | | | *For >250 To 500, Deduct* | *-0.77* | |
| | | | *For >500, Deduct* | *-1.09* | |
| 26 05 29 00-0393 | | EA | 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor | 3.34 | |
| | | | *For >50 To 100, Deduct* | *-0.23* | |
| | | | *For >100 To 250, Deduct* | *-0.46* | |
| | | | *For >250 To 500, Deduct* | *-0.79* | |
| | | | *For >500, Deduct* | *-1.11* | |
| 26 05 29 00-0394 | | EA | 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor | 3.42 | |
| | | | *For >50 To 100, Deduct* | *-0.23* | |
| | | | *For >100 To 250, Deduct* | *-0.46* | |
| | | | *For >250 To 500, Deduct* | *-0.79* | |
| | | | *For >500, Deduct* | *-1.12* | |
| **26 05 29 00-0395** | | | **Lead Screw Anchors** *(26 05 29 00-0361)* Note: Includes screw. | | |
| 26 05 29 00-0396 | | EA | #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw | 4.85 | |
| | | | *For >50 To 100, Deduct* | *-0.44* | |
| | | | *For >100 To 250, Deduct* | *-0.89* | |
| | | | *For >250 To 500, Deduct* | *-1.54* | |
| | | | *For >500, Deduct* | *-2.20* | |
| 26 05 29 00-0397 | | EA | #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw | 5.79 | |
| | | | *For >50 To 100, Deduct* | *-0.52* | |
| | | | *For >100 To 250, Deduct* | *-1.04* | |
| | | | *For >250 To 500, Deduct* | *-1.80* | |
| | | | *For >500, Deduct* | *-2.57* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0398 | EA | #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw | 7.86 | |
| | | *For >50 To 100, Deduct* | *-0.67* | |
| | | *For >100 To 250, Deduct* | *-1.34* | |
| | | *For >250 To 500, Deduct* | *-2.33* | |
| | | *For >500, Deduct* | *-3.31* | |

## 26 05 29 00-0399 Nailing Anchor Hilti HPS Impact Anchor Or Equal *(26 05 29 00-0361)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0400 | EA | 1/4" x 1" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel | 1.77 | |
| | | *For >50 To 100, Deduct* | *-0.13* | |
| | | *For >100 To 250, Deduct* | *-0.26* | |
| | | *For >250 To 500, Deduct* | *-0.45* | |
| | | *For >500, Deduct* | *-0.64* | |
| 26 05 29 00-0401 | EA | 1/4" x 1-3/4" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel | 3.05 | |
| | | *For >50 To 100, Deduct* | *-0.25* | |
| | | *For >100 To 250, Deduct* | *-0.50* | |
| | | *For >250 To 500, Deduct* | *-0.87* | |
| | | *For >500, Deduct* | *-1.24* | |
| 26 05 29 00-0402 | EA | 1/4" x 2-1/8" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel | 4.33 | |
| | | *For >50 To 100, Deduct* | *-0.37* | |
| | | *For >100 To 250, Deduct* | *-0.74* | |
| | | *For >250 To 500, Deduct* | *-1.29* | |
| | | *For >500, Deduct* | *-1.83* | |

## 26 05 29 00-0403 Acoustical T-Bar Clips *(26 05 29 00-0361)*

Note: For conduit installation above suspended ceilings up to 15' height.

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0404 | EA | 1/2" Conduit, Push-In Acoustical T-Bar Clip | 8.11 | |
| | | *For >50 To 100, Deduct* | *-0.60* | |
| | | *For >100 To 250, Deduct* | *-1.21* | |
| | | *For >250 To 500, Deduct* | *-2.08* | |
| | | *For >500, Deduct* | *-2.96* | |
| 26 05 29 00-0405 | EA | 3/4" Conduit, Push-In Acoustical T-Bar Clip | 8.51 | |
| | | *For >50 To 100, Deduct* | *-0.64* | |
| | | *For >100 To 250, Deduct* | *-1.27* | |
| | | *For >250 To 500, Deduct* | *-2.19* | |
| | | *For >500, Deduct* | *-3.11* | |
| 26 05 29 00-0406 | EA | 1" Conduit, Push-In Acoustical T-Bar Clip | 9.28 | |
| | | *For >50 To 100, Deduct* | *-0.68* | |
| | | *For >100 To 250, Deduct* | *-1.36* | |
| | | *For >250 To 500, Deduct* | *-2.34* | |
| | | *For >500, Deduct* | *-3.31* | |

## 26 05 29 00-0407 Threaded Rod, Accessories And Attachments *(26 05 29)*

## 26 05 29 00-0408 Threaded Rod And Rod Accessories *(26 05 29 00-0407)*

## 26 05 29 00-0409 Carbon Steel Threaded Rod *(26 05 29 00-0408)*

Note: Includes plain finish.

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0410 | LF | 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 4.58 | 0.79 |
| | | *For Galvanized, Add* | *1.20* | |
| | | *For Zinc Coated, Add* | *0.86* | |
| 26 05 29 00-0411 | LF | 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 6.45 | 0.84 |
| | | *For Galvanized, Add* | *1.91* | |
| | | *For Zinc Coated, Add* | *1.36* | |
| 26 05 29 00-0412 | LF | 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 9.14 | 0.87 |
| | | *For Galvanized, Add* | *2.96* | |
| | | *For Zinc Coated, Add* | *2.11* | |
| 26 05 29 00-0413 | LF | 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 15.23 | 0.89 |
| | | *For Galvanized, Add* | *5.37* | |
| | | *For Zinc Coated, Add* | *3.83* | |
| 26 05 29 00-0414 | LF | 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 16.62 | 0.92 |
| | | *For Galvanized, Add* | *5.90* | |
| | | *For Zinc Coated, Add* | *4.21* | |
| 26 05 29 00-0415 | LF | 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 22.83 | 1.04 |
| | | *For Galvanized, Add* | *8.29* | |
| | | *For Zinc Coated, Add* | *5.91* | |
| 26 05 29 00-0416 | LF | 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod | 28.48 | 1.16 |
| | | *For Galvanized, Add* | *10.46* | |
| | | *For Zinc Coated, Add* | *7.45* | |

## 26 05 29 00-0417 Threaded Rod Couplings *(26 05 29 00-0408)*

| | | | |
|---|---|---|---|
| 26 05 29 00-0418 | EA | 3/8" Diameter, Threaded Rod Coupling Nut | 10.23 |
| 26 05 29 00-0419 | EA | 1/2" Diameter, Threaded Rod Coupling Nut | 11.60 |
| 26 05 29 00-0420 | EA | 5/8" Diameter, Threaded Rod Coupling Nut | 14.53 |
| 26 05 29 00-0421 | EA | 3/4" Diameter, Threaded Rod Coupling Nut | 17.76 |
| 26 05 29 00-0422 | EA | 7/8" Diameter, Threaded Rod Coupling Nut | 26.16 |
| 26 05 29 00-0423 | EA | 1" Diameter, Threaded Rod Coupling Nut | 31.03 |
| 26 05 29 00-0424 | EA | 1-1/8" Diameter, Threaded Rod Coupling Nut | 59.71 |

## 26 05 29 00-0425 Flat Washers *(26 05 29 00-0408)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0426 | EA | 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 0.87 | 0.31 |
| | | *For Galvanized, Add* | *0.04* | |
| 26 05 29 00-0427 | EA | 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 1.13 | 0.31 |
| | | *For Galvanized, Add* | *0.09* | |
| 26 05 29 00-0428 | EA | 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 1.49 | 0.31 |
| | | *For Galvanized, Add* | *0.17* | |
| 26 05 29 00-0429 | EA | 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 1.82 | 0.63 |
| | | *For Galvanized, Add* | *0.24* | |
| 26 05 29 00-0430 | EA | 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 2.05 | 0.63 |
| | | *For Galvanized, Add* | *0.28* | |
| 26 05 29 00-0431 | EA | 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 2.44 | 0.63 |
| | | *For Galvanized, Add* | *0.35* | |
| 26 05 29 00-0432 | EA | 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer | 2.73 | 0.63 |
| | | *For Galvanized, Add* | *0.39* | |

## 26 05 29 00-0433 Malleable Iron Eye Sockets *(26 05 29 00-0408)*

Note: Type 16.

| | | | |
|---|---|---|---|
| 26 05 29 00-0434 | EA | 3/8" Rod Size, Malleable Iron Eye Socket | 13.59 |
| 26 05 29 00-0435 | EA | 1/2" Rod Size, Malleable Iron Eye Socket | 16.36 |
| 26 05 29 00-0436 | EA | 5/8" Rod Size, Malleable Iron Eye Socket | 29.22 |
| 26 05 29 00-0437 | EA | 3/4" Rod Size, Malleable Iron Eye Socket | 42.05 |
| 26 05 29 00-0438 | EA | 7/8" Rod Size, Malleable Iron Eye Socket | 44.71 |

## 26 05 29 00-0439 Hex Nuts *(26 05 29 00-0408)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0440 | EA | 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 0.84 | 0.31 |
| | | *For Galvanized, Add* | *0.03* | |
| 26 05 29 00-0441 | EA | 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 1.08 | 0.31 |
| | | *For Galvanized, Add* | *0.07* | |
| 26 05 29 00-0442 | EA | 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 1.49 | 0.31 |
| | | *For Galvanized, Add* | *0.17* | |
| 26 05 29 00-0443 | EA | 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 1.76 | 0.63 |
| | | *For Galvanized, Add* | *0.22* | |
| 26 05 29 00-0444 | EA | 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 2.60 | 0.63 |
| | | *For Galvanized, Add* | *0.42* | |
| 26 05 29 00-0445 | EA | 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 3.32 | 0.63 |
| | | *For Galvanized, Add* | *0.57* | |
| 26 05 29 00-0446 | EA | 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut | 5.46 | 0.63 |
| | | *For Galvanized, Add* | *1.08* | |

## 26 05 29 00-0447 Forged Steel Turnbuckles *(26 05 29 00-0408)*

Note: Type 13.

| | | | |
|---|---|---|---|
| 26 05 29 00-0448 | EA | 3/8" Thread Diameter, Forged Steel Turnbuckle Body | 32.83 |
| 26 05 29 00-0449 | EA | 1/2" Thread Diameter, Forged Steel Turnbuckle Body | 40.87 |
| 26 05 29 00-0450 | EA | 5/8" Thread Diameter, Forged Steel Turnbuckle Body | 55.32 |
| 26 05 29 00-0451 | EA | 3/4" Thread Diameter, Forged Steel Turnbuckle Body | 68.75 |
| 26 05 29 00-0452 | EA | 7/8" Thread Diameter, Forged Steel Turnbuckle Body | 173.87 |
| 26 05 29 00-0453 | EA | 1" Thread Diameter, Forged Steel Turnbuckle Body | 113.49 |
| 26 05 29 00-0454 | EA | 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body | 232.01 |

## 26 05 29 00-0455 Attachments *(26 05 29 00-0407)*

## 26 05 29 00-0456 Welded Beam Attachments *(26 05 29 00-0455)*

Note: Type 22.

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0457 | EA | 3/8" Rod Size, Welded Beam Attachment | 59.88 | 12.61 |
| 26 05 29 00-0458 | EA | 1/2" Rod Size, Welded Beam Attachment | 63.93 | 13.24 |
| 26 05 29 00-0459 | EA | 5/8" Rod Size, Welded Beam Attachment | 68.10 | 13.99 |
| 26 05 29 00-0460 | EA | 3/4" Rod Size, Welded Beam Attachment | 87.72 | 14.87 |
| 26 05 29 00-0461 | EA | 7/8" Rod Size, Welded Beam Attachment | 105.81 | 15.75 |
| 26 05 29 00-0462 | EA | 1" Rod Size, Welded Beam Attachment | 149.44 | 18.03 |
| 26 05 29 00-0463 | EA | 1-1/8" Rod Size, Welded Beam Attachment | 213.43 | 18.91 |

## 26 05 29 00-0464 C-Clamp Style Beam Clamps *(26 05 29 00-0455)*

Note: Type 23. Top or bottom flange mount.

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0465 | EA | 3/8" Rod Size, C-Clamp Style Beam Clamp | 20.02 | 9.48 |
| 26 05 29 00-0466 | EA | 1/2" Rod Size, C-Clamp Style Beam Clamp | 24.17 | 10.10 |
| 26 05 29 00-0467 | EA | 5/8" Rod Size, C-Clamp Style Beam Clamp | 27.58 | 10.82 |
| 26 05 29 00-0468 | EA | 3/4" Rod Size, C-Clamp Style Beam Clamp | 35.98 | 11.65 |
| 26 05 29 00-0469 | EA | 7/8" Rod Size, C-Clamp Style Beam Clamp | 53.22 | 12.63 |

## 26 05 29 00-0470 Bottom Mount I-Beam Clamps *(26 05 29 00-0455)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0471 | EA | 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp | 58.28 | 12.63 |
| 26 05 29 00-0472 | EA | 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp | 86.74 | 13.77 |
| 26 05 29 00-0473 | EA | 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp | 124.99 | 15.16 |
| 26 05 29 00-0474 | EA | 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp | 149.91 | 16.83 |
| 26 05 29 00-0475 | EA | 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp | 368.03 | 18.94 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 29 00-0476** | | **Steel U-Bolts** *(26 05 29 00-0455)* Note: Type 24. Includes plate and nuts. | | |
| 26 05 29 00-0477 | EA | 1/2" Pipe Size, Zinc Plated Steel, U-Bolt | 16.36 | 7.58 |
| 26 05 29 00-0478 | EA | 3/4" Pipe Size, Zinc Plated Steel, U-Bolt | 17.80 | 7.98 |
| 26 05 29 00-0479 | EA | 1" Pipe Size, Zinc Plated Steel, U-Bolt | 19.20 | 8.42 |
| 26 05 29 00-0480 | EA | 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt | 21.97 | 8.91 |
| 26 05 29 00-0481 | EA | 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt | 22.63 | 9.48 |
| 26 05 29 00-0482 | EA | 2" Pipe Size, Zinc Plated Steel, U-Bolt | 24.23 | 10.10 |
| 26 05 29 00-0483 | EA | 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt | 35.77 | 10.82 |
| 26 05 29 00-0484 | EA | 3" Pipe Size, Zinc Plated Steel, U-Bolt | 39.49 | 11.65 |
| 26 05 29 00-0485 | EA | 4" Pipe Size, Zinc Plated Steel, U-Bolt | 48.05 | 12.63 |
| **26 05 29 00-0486** | | **Stainless Steel Threaded Rod** *(26 05 29 00-0407)* | | |
| 26 05 29 00-0487 | LF | 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod | 3.92 | 0.63 |
| | | *For 316 Stainless Steel, Add* | *1.08* | |
| 26 05 29 00-0488 | LF | 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod | 5.94 | 0.69 |
| | | *For 316 Stainless Steel, Add* | *1.84* | |
| 26 05 29 00-0489 | LF | 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod | 7.65 | 0.79 |
| | | *For 316 Stainless Steel, Add* | *2.46* | |
| 26 05 29 00-0490 | LF | 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod | 10.66 | 0.81 |
| | | *For 316 Stainless Steel, Add* | *3.66* | |
| 26 05 29 00-0491 | LF | 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod | 12.80 | 0.84 |
| | | *For 316 Stainless Steel, Add* | *4.50* | |
| 26 05 29 00-0492 | LF | 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod | 19.24 | 0.85 |
| | | *For 316 Stainless Steel, Add* | *7.10* | |
| 26 05 29 00-0493 | LF | 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod | 26.98 | 0.87 |
| | | *For 316 Stainless Steel, Add* | *10.22* | |
| 26 05 29 00-0494 | LF | 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod | 37.15 | 0.89 |
| | | *For 316 Stainless Steel, Add* | *14.32* | |
| 26 05 29 00-0495 | LF | 1" Diameter, 304/18-8 Stainless Steel Threaded Rod | 47.75 | 1.04 |
| | | *For 316 Stainless Steel, Add* | *18.48* | |
| 26 05 29 00-0496 | LF | 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod | 101.17 | 1.26 |
| | | *For 316 Stainless Steel, Add* | *39.91* | |
| **26 05 29 00-0497** | | **Polyvinyl Chloride (PVC) Coated Supports** *(26 05 29)* Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware. | | |
| **26 05 29 00-0498** | | **Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0497)* | | |
| **26 05 29 00-0499** | | **Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0498)* | | |
| 26 05 29 00-0500 | EA | 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp | 65.88 | 25.21 |
| 26 05 29 00-0501 | EA | 3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp | 71.61 | 27.48 |
| 26 05 29 00-0502 | EA | 1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp | 76.50 | 30.25 |
| 26 05 29 00-0503 | EA | 1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp | 91.47 | 33.66 |
| 26 05 29 00-0504 | EA | 1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp | 105.56 | 37.82 |
| 26 05 29 00-0505 | EA | 2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp | 125.88 | 41.60 |
| 26 05 29 00-0506 | EA | 2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp | 137.64 | 45.39 |
| 26 05 29 00-0507 | EA | 3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp | 151.49 | 49.16 |
| 26 05 29 00-0508 | EA | 3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp | 160.10 | 52.95 |
| 26 05 29 00-0509 | EA | 4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp | 172.99 | 56.73 |
| **26 05 29 00-0510** | | **Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0498)* | | |
| 26 05 29 00-0511 | EA | 1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp | 70.48 | 25.21 |
| 26 05 29 00-0512 | EA | 3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp | 74.73 | 27.48 |
| 26 05 29 00-0513 | EA | 1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp | 85.85 | 30.25 |
| 26 05 29 00-0514 | EA | 1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp | 94.79 | 33.66 |
| 26 05 29 00-0515 | EA | 1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp | 106.84 | 37.82 |
| 26 05 29 00-0516 | EA | 2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp | 123.68 | 41.60 |
| 26 05 29 00-0517 | EA | 2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp | 141.80 | 45.39 |
| 26 05 29 00-0518 | EA | 3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp | 157.01 | 49.16 |
| 26 05 29 00-0519 | EA | 3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp | 167.04 | 52.95 |
| 26 05 29 00-0520 | EA | 4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp | 173.92 | 56.73 |
| **26 05 29 00-0521** | | **Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0498)* | | |
| 26 05 29 00-0522 | EA | 1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp | 66.70 | 24.96 |
| 26 05 29 00-0523 | EA | 3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp | 71.77 | 27.23 |
| 26 05 29 00-0524 | EA | 1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp | 81.20 | 30.25 |
| 26 05 29 00-0525 | EA | 1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp | 95.01 | 33.28 |
| 26 05 29 00-0526 | EA | 1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp | 123.17 | 37.82 |
| 26 05 29 00-0527 | EA | 2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp | 135.06 | 41.60 |
| **26 05 29 00-0528** | | **Polyvinyl Chloride (PVC) Coated Conduit Straps** *(26 05 29 00-0497)* | | |
| **26 05 29 00-0529** | | **One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0528)* | | |
| 26 05 29 00-0530 | EA | 1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 7.82 | 0.75 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0531 | EA | 3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 8.48 | 0.75 |
| 26 05 29 00-0532 | EA | 1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 12.42 | 0.75 |
| 26 05 29 00-0533 | EA | 1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 15.08 | 0.75 |
| 26 05 29 00-0534 | EA | 1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 19.82 | 0.75 |
| 26 05 29 00-0535 | EA | 2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 29.72 | 0.75 |
| 26 05 29 00-0536 | EA | 2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 39.56 | 0.75 |
| 26 05 29 00-0537 | EA | 3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 52.96 | 0.75 |
| 26 05 29 00-0538 | EA | 3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 93.65 | 0.75 |
| 26 05 29 00-0539 | EA | 4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 99.52 | 0.75 |
| **26 05 29 00-0540** | | **Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0528)* | | |
| 26 05 29 00-0541 | EA | 1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 15.42 | 1.51 |
| 26 05 29 00-0542 | EA | 3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 15.49 | 1.51 |
| 26 05 29 00-0543 | EA | 1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 15.89 | 1.51 |
| 26 05 29 00-0544 | EA | 1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 19.94 | 1.51 |
| 26 05 29 00-0545 | EA | 1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 20.49 | 1.51 |
| 26 05 29 00-0546 | EA | 2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 23.48 | 1.51 |
| 26 05 29 00-0547 | EA | 2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 26.39 | 1.51 |
| 26 05 29 00-0548 | EA | 3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 27.58 | 1.51 |
| 26 05 29 00-0549 | EA | 3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 29.44 | 1.51 |
| 26 05 29 00-0550 | EA | 4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap | 31.92 | 1.51 |
| **26 05 29 00-0551** | | **Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0497)* | | |
| **26 05 29 00-0552** | | **Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0551)* | | |
| 26 05 29 00-0553 | EA | 1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer | 14.00 | 1.51 |
| 26 05 29 00-0554 | EA | 3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer | 16.26 | 1.51 |
| 26 05 29 00-0555 | EA | 1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer | 20.41 | 1.51 |
| 26 05 29 00-0556 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer | 23.84 | 1.51 |
| 26 05 29 00-0557 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer | 31.86 | 1.51 |
| 26 05 29 00-0558 | EA | 2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer | 56.47 | 1.51 |
| 26 05 29 00-0559 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer | 77.98 | 1.51 |
| 26 05 29 00-0560 | EA | 3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer | 106.42 | 1.51 |
| 26 05 29 00-0561 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer | 186.14 | 1.51 |
| 26 05 29 00-0562 | EA | 4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer | 186.14 | 1.51 |
| **26 05 29 00-0563** | | **Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories** *(26 05 29 00-0497)* | | |
| **26 05 29 00-0564** | | **Polyvinyl Chloride (PVC) Coated Threaded Rod** *(26 05 29 00-0563)* | | |
| 26 05 29 00-0565 | LF | 3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod | 9.64 | 1.01 |
| 26 05 29 00-0566 | LF | 1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod | 11.87 | 1.13 |
| **26 05 29 00-0567** | | **Attachments** *(26 05 29 00-0497)* | | |
| **26 05 29 00-0568** | | **Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts** *(26 05 29 00-0567)* | | |
| 26 05 29 00-0569 | EA | 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts | 19.45 | 7.58 |
| 26 05 29 00-0570 | EA | 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts | 20.11 | 7.96 |
| 26 05 29 00-0571 | EA | 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts | 21.18 | 8.46 |
| 26 05 29 00-0572 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts | 22.54 | 8.96 |
| 26 05 29 00-0573 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts | 24.00 | 9.48 |
| 26 05 29 00-0574 | EA | 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts | 26.91 | 10.10 |
| 26 05 29 00-0575 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts | 38.40 | 10.86 |
| 26 05 29 00-0576 | EA | 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts | 40.31 | 11.61 |
| 26 05 29 00-0577 | EA | 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts | 43.00 | 12.63 |
| 26 05 29 00-0578 | EA | 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts | 69.40 | 14.39 |
| 26 05 29 00-0579 | EA | 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts | 85.87 | 16.67 |
| **26 05 29 00-0580** | | **Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps** *(26 05 29 00-0567)* | | |
| 26 05 29 00-0581 | EA | 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp | 67.38 | 24.96 |
| 26 05 29 00-0582 | EA | 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp | 78.35 | 24.96 |
| 26 05 29 00-0583 | EA | 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp | 82.87 | 24.96 |
| 26 05 29 00-0584 | EA | 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp | 91.30 | 26.48 |
| 26 05 29 00-0585 | EA | 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp | 106.83 | 30.25 |
| **26 05 29 00-0586** | | **Polyvinyl Chloride (PVC) Coated Pipe Straps** *(26 05 29 00-0567)*<br>Note: Includes stainless steel nuts and bolts. | | |
| 26 05 29 00-0587 | EA | 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap | 24.68 | 8.32 |
| 26 05 29 00-0588 | EA | 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap | 25.96 | 9.08 |
| 26 05 29 00-0589 | EA | 1" Polyvinyl Chloride (PVC) Coated Pipe Strap | 28.28 | 9.83 |
| 26 05 29 00-0590 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap | 31.84 | 11.34 |
| 26 05 29 00-0591 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap | 36.45 | 12.86 |
| 26 05 29 00-0592 | EA | 2" Polyvinyl Chloride (PVC) Coated Pipe Strap | 40.50 | 13.62 |
| 26 05 29 00-0593 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap | 44.75 | 15.13 |
| 26 05 29 00-0594 | EA | 3" Polyvinyl Chloride (PVC) Coated Pipe Strap | 53.19 | 16.65 |
| 26 05 29 00-0595 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap | 58.13 | 17.40 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 29 00-0596 | EA | 4" Polyvinyl Chloride (PVC) Coated Pipe Strap | 61.10 | 18.91 |
| 26 05 29 00-0597 | EA | 5" Polyvinyl Chloride (PVC) Coated Pipe Strap | 65.32 | 21.17 |

### 26 05 29 00-0598 Polyvinyl Chloride (PVC) Coated Channel *(26 05 29 00-0497)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0599 | LF | A12, Polyvinyl Chloride (PVC) Coated Channel | 25.40 | 3.78 |
| 26 05 29 00-0600 | LF | A12A, Polyvinyl Chloride (PVC) Coated Channel | 44.94 | 5.29 |
| 26 05 29 00-0601 | LF | A12P, Polyvinyl Chloride (PVC) Coated Channel | 27.11 | 3.78 |
| 26 05 29 00-0602 | LF | C14, Polyvinyl Chloride (PVC) Coated Channel | 20.14 | 3.78 |
| 26 05 29 00-0603 | LF | C14P, Polyvinyl Chloride (PVC) Coated Channel | 21.20 | 3.78 |

### 26 05 29 00-0604 Polymer Concrete Pads *(26 05 29)*

Note: Excludes excavation and backfill.

### 26 05 29 00-0605 Polymer Concrete, Box Pads *(26 05 29 00-0604)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0606 | EA | 24" x 36", 18" Depth, Polymer Concrete, Box Pad | 1,424.12 | 134.89 |
| 26 05 29 00-0607 | EA | 25" x 25", 24" Depth, Polymer Concrete, Box Pad | 1,471.81 | 134.89 |
| 26 05 29 00-0608 | EA | 40" x 44", 15" Depth, Polymer Concrete, Box Pad | 1,910.12 | 134.89 |
| 26 05 29 00-0609 | EA | 40" x 44", 24" Depth, Polymer Concrete, Box Pad | 1,982.80 | 134.89 |
| 26 05 29 00-0610 | EA | 52" x 36", 18" Depth, Polymer Concrete, Box Pad | 1,842.47 | 134.89 |
| 26 05 29 00-0611 | EA | 44" x 44", 32" Depth, Polymer Concrete, Box Pad | 2,185.67 | 134.89 |
| 26 05 29 00-0612 | EA | 40" x 58", 24" Depth, Polymer Concrete, Box Pad | 2,448.83 | 134.89 |
| 26 05 29 00-0613 | EA | 52" x 50", 18" Depth, Polymer Concrete, Box Pad | 2,344.17 | 168.61 |
| 26 05 29 00-0614 | EA | 74" x 76", 36" Depth, Polymer Concrete, Box Pad | 3,573.73 | 168.61 |
| 26 05 29 00-0615 | EA | 93" x 93", 36" Depth, Polymer Concrete, Box Pad | 4,809.37 | 168.61 |

### 26 05 29 00-0616 Polymer Concrete, Telecommunications Equipment Pads *(26 05 29 00-0604)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0617 | EA | 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad | 688.93 | 74.65 |
| 26 05 29 00-0618 | EA | 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad | 819.23 | 74.65 |
| 26 05 29 00-0619 | EA | 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad | 1,056.55 | 101.17 |
| 26 05 29 00-0620 | EA | 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad | 1,104.98 | 101.17 |
| 26 05 29 00-0621 | EA | 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad | 1,597.95 | 101.17 |
| 26 05 29 00-0622 | EA | 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad | 1,666.47 | 101.17 |
| 26 05 29 00-0623 | EA | 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad | 1,794.14 | 101.17 |
| 26 05 29 00-0624 | EA | 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad | 1,794.14 | 101.17 |
| 26 05 29 00-0625 | EA | 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad | 3,398.04 | 101.17 |
| 26 05 29 00-0626 | EA | 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad | 3,855.70 | 101.17 |

### 26 05 29 00-0627 Polymer Concrete, Electrical Equipment Pads *(26 05 29 00-0604)*

| | | | | |
|---|---|---|---|---|
| 26 05 29 00-0628 | EA | 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad | 412.96 | 74.65 |
| 26 05 29 00-0629 | EA | 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad | 446.45 | 74.65 |
| 26 05 29 00-0630 | EA | 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad | 476.97 | 74.65 |
| 26 05 29 00-0631 | EA | 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad | 578.32 | 74.65 |
| 26 05 29 00-0632 | EA | 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad | 533.09 | 74.65 |
| 26 05 29 00-0633 | EA | 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad | 554.41 | 74.65 |
| 26 05 29 00-0634 | EA | 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad | 609.66 | 74.65 |
| 26 05 29 00-0635 | EA | 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad | 641.89 | 74.65 |
| 26 05 29 00-0636 | EA | 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad | 749.54 | 74.65 |
| 26 05 29 00-0637 | EA | 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad | 926.85 | 74.65 |
| 26 05 29 00-0638 | EA | 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad | 1,360.46 | 101.17 |
| 26 05 29 00-0639 | EA | 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad | 1,425.26 | 101.17 |
| 26 05 29 00-0640 | EA | 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad | 1,445.71 | 101.17 |
| 26 05 29 00-0641 | EA | 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad | 1,581.95 | 101.17 |
| 26 05 29 00-0642 | EA | 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad | 3,404.19 | 101.17 |
| 26 05 29 00-0643 | EA | 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad | 4,014.56 | 101.17 |

## 26 05 33 Raceway and Boxes for Electrical Systems *(26 05)*

### 26 05 33 13 Conduit for Electrical Systems *(26 05 33)*

### 26 05 33 13-0001 Conduit Assemblies With Wire *(26 05 33 13)*

Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.

### 26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0240 for larger copper conducter, 26 05 33 13-0599 for larger EMT conduit.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0003 | CLF | 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 948.52 | 281.50 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *241.32* | |
| | | *For 2 #12 THWN Conductor Instead Of THHN, Add* | *1.91* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0004 | CLF | 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,036.72 | 305.69 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *262.06* | |
| | | *For 3 #12 THWN Conductor Instead Of THHN, Add* | *2.86* | |
| 26 05 33 13-0005 | CLF | 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,124.93 | 329.88 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *282.79* | |
| | | *For 4 #12 THWN Conductor Instead Of THHN, Add* | *3.82* | |
| 26 05 33 13-0006 | CLF | 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,002.26 | 293.60 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *251.69* | |
| | | *For 2 #10 THWN Conductor Instead Of THHN, Add* | *2.86* | |
| 26 05 33 13-0007 | CLF | 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,111.58 | 321.82 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *275.88* | |
| | | *For 3 #10 THWN Conductor Instead Of THHN, Add* | *4.29* | |
| 26 05 33 13-0008 | CLF | 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conducter | 1,220.88 | 350.03 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *300.07* | |
| | | *For 4 #10 THWN Conductor Instead Of THHN, Add* | *5.73* | |
| 26 05 33 13-0009 | CLF | 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor | 1,123.45 | 317.78 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *272.42* | |
| | | *For 2 #8 THWN Conductor Instead Of THHN, Add* | *4.99* | |
| 26 05 33 13-0010 | CLF | 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,056.90 | 303.50 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *260.12* | |
| | | *For 2 #12 THWN Conductor Instead Of THHN, Add* | *1.91* | |
| 26 05 33 13-0011 | CLF | 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,145.10 | 327.69 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *280.85* | |
| | | *For 3 #12 THWN Conductor Instead Of THHN, Add* | *2.86* | |
| 26 05 33 13-0012 | CLF | 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,233.30 | 351.87 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *301.58* | |
| 26 05 33 13-0013 | CLF | 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,321.50 | 376.06 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *322.32* | |
| | | *For 5 #12 THWN Conductor Instead Of THHN, Add* | *4.77* | |
| 26 05 33 13-0014 | CLF | 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,110.63 | 315.59 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *270.49* | |
| | | *For 2 #10 THWN Conductor Instead Of THHN, Add* | *2.86* | |
| 26 05 33 13-0015 | CLF | 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,219.95 | 343.81 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *294.68* | |
| | | *For 3 #10 THWN Conductor Instead Of THHN, Add* | *4.29* | |
| 26 05 33 13-0016 | CLF | 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,329.27 | 372.03 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *318.86* | |
| | | *For 4 #10 THWN Conductor Instead Of THHN, Add* | *5.73* | |
| 26 05 33 13-0017 | CLF | 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,438.57 | 400.25 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *343.05* | |
| | | *For 5 #10 THWN Conductor Instead Of THHN, Add* | *7.16* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0018 | CLF | 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor | 1,385.41 | 376.06 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *322.32* | |
| | | *For 3 #8 THWN Conductor Instead Of THHN, Add* | *7.49* | |
| 26 05 33 13-0019 | CLF | 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor | 1,539.01 | 412.35 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *353.42* | |
| | | *For 4 #8 THWN Conductor Instead Of THHN, Add* | *9.99* | |
| 26 05 33 13-0020 | CLF | 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor | 1,387.42 | 363.97 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *311.95* | |
| | | *For 2 #6 THWN Conductor Instead Of THHN, Add* | *8.26* | |
| 26 05 33 13-0021 | CLF | 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor | 1,596.67 | 408.31 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *349.96* | |
| | | *For 3 #6 THWN Conductor Instead Of THHN, Add* | *12.38* | |
| 26 05 33 13-0022 | CLF | 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,209.54 | 326.65 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *280.03* | |
| | | *For 2 #12 THWN Conductor Instead Of THHN, Add* | *1.91* | |
| 26 05 33 13-0023 | CLF | 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,297.73 | 350.84 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *300.76* | |
| | | *For 3 #12 THWN Conductor Instead Of THHN, Add* | *2.86* | |
| 26 05 33 13-0024 | CLF | 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,385.94 | 375.03 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *321.49* | |
| 26 05 33 13-0025 | CLF | 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,474.14 | 399.21 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *342.22* | |
| | | *For 5 #12 THWN Conductor Instead Of THHN, Add* | *4.77* | |
| 26 05 33 13-0026 | CLF | 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,263.26 | 338.75 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *290.39* | |
| | | *For 2 #10 THWN Conductor Instead Of THHN, Add* | *2.86* | |
| 26 05 33 13-0027 | CLF | 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,372.58 | 366.97 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *314.58* | |
| | | *For 3 #10 THWN Conductor Instead Of THHN, Add* | *4.29* | |
| 26 05 33 13-0028 | CLF | 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,481.90 | 395.18 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *338.77* | |
| | | *For 4 #10 THWN Conductor Instead Of THHN, Add* | *5.73* | |
| 26 05 33 13-0029 | CLF | 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,591.20 | 423.40 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *362.95* | |
| | | *For 5 #10 THWN Conductor Instead Of THHN, Add* | *7.16* | |
| 26 05 33 13-0030 | CLF | 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor | 1,538.05 | 399.21 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *342.22* | |
| | | *For 3 #8 THWN Conductor Instead Of THHN, Add* | *7.49* | |
| 26 05 33 13-0031 | CLF | 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor | 1,749.30 | 431.46 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *369.86* | |
| | | *For 3 #6 THWN Conductor Instead Of THHN, Add* | *12.38* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0032 | CLF | 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor | 1,958.56 | 475.80 |
| | | Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *407.87* | |
| | | *For 4 #6 THWN Conductor Instead Of THHN, Add* | *16.51* | |

## 26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0240 for larger copper conducter, 26 05 33 13-0060 for larger RGS conduit.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0034 | CLF | 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,241.63 | 320.43 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *274.64* | |
| | | *For 2 #12 THWN Conductor Instead Of THHN, Add* | *1.91* | |
| 26 05 33 13-0035 | CLF | 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,329.82 | 344.62 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *295.37* | |
| | | *For 3 #12 THWN Conductor Instead Of THHN, Add* | *2.86* | |
| 26 05 33 13-0036 | CLF | 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,295.36 | 332.52 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *285.00* | |
| | | *For 2 #10 THWN Conductor Instead Of THHN, Add* | *2.86* | |
| 26 05 33 13-0037 | CLF | 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,404.68 | 360.74 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *309.19* | |
| | | *For 3 #10 THWN Conductor Instead Of THHN, Add* | *4.29* | |
| 26 05 33 13-0038 | CLF | 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor | 1,416.55 | 356.71 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *305.73* | |
| | | *For 2 #8 THWN Conductor Instead Of THHN, Add* | *4.99* | |
| 26 05 33 13-0039 | CLF | 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,365.24 | 341.73 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *292.88* | |
| | | *For 2 #12 THWN Conductor Instead Of THHN, Add* | *1.91* | |
| 26 05 33 13-0040 | CLF | 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,453.45 | 365.92 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *313.61* | |
| | | *For 3 #12 THWN Conductor Instead Of THHN, Add* | *2.86* | |
| 26 05 33 13-0041 | CLF | 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,541.65 | 390.11 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *334.34* | |
| 26 05 33 13-0042 | CLF | 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,418.99 | 353.83 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *303.25* | |
| | | *For 2 #10 THWN Conductor Instead Of THHN, Add* | *2.86* | |
| 26 05 33 13-0043 | CLF | 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,528.29 | 382.05 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *327.43* | |
| | | *For 3 #10 THWN Conductor Instead Of THHN, Add* | *4.29* | |
| 26 05 33 13-0044 | CLF | 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,637.60 | 410.27 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *351.62* | |
| | | *For 4 #10 THWN Conductor Instead Of THHN, Add* | *5.73* | |
| 26 05 33 13-0045 | CLF | 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor | 1,693.75 | 414.30 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *355.07* | |
| | | *For 3 #8 THWN Conductor Instead Of THHN, Add* | *7.49* | |
| 26 05 33 13-0046 | CLF | 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor | 1,847.34 | 450.58 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *386.17* | |
| | | *For 4 #8 THWN Conductor Instead Of THHN, Add* | *9.99* | |
| 26 05 33 13-0047 | CLF | 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor | 1,695.77 | 402.20 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *344.71* | |
| | | *For 2 #6 THWN Conductor Instead Of THHN, Add* | *8.26* | |
| 26 05 33 13-0048 | CLF | 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor | 1,905.01 | 446.55 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *382.72* | |
| | | *For 3 #6 THWN Conductor Instead Of THHN, Add* | *12.38* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0049 | CLF | 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,755.51 | 408.08 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *349.79* | |
| | | *For 3 #12 THWN Conductor Instead Of THHN, Add* | *2.86* | |
| 26 05 33 13-0050 | CLF | 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,843.70 | 432.27 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *370.52* | |
| 26 05 33 13-0051 | CLF | 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,931.90 | 456.45 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *391.25* | |
| | | *For 5 #12 THWN Conductor Instead Of THHN, Add* | *4.77* | |
| 26 05 33 13-0052 | CLF | 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,830.34 | 424.21 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *363.61* | |
| | | *For 3 #10 THWN Conductor Instead Of THHN, Add* | *4.29* | |
| 26 05 33 13-0053 | CLF | 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 1,939.66 | 452.42 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *387.80* | |
| | | *For 4 #10 THWN Conductor Instead Of THHN, Add* | *5.73* | |
| 26 05 33 13-0054 | CLF | 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor | 2,048.97 | 480.64 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *411.98* | |
| | | *For 5 #10 THWN Conductor Instead Of THHN, Add* | *7.16* | |
| 26 05 33 13-0055 | CLF | 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor | 1,995.81 | 456.45 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *391.25* | |
| | | *For 3 #8 THWN Conductor Instead Of THHN, Add* | *7.49* | |
| 26 05 33 13-0056 | CLF | 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor | 2,207.07 | 488.70 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *418.90* | |
| | | *For 3 #6 THWN Conductor Instead Of THHN, Add* | *12.38* | |
| 26 05 33 13-0057 | CLF | 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor | 2,416.32 | 533.05 |
| | | Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *456.91* | |
| | | *For 4 #6 THWN Conductor Instead Of THHN, Add* | *16.51* | |

## 26 05 33 13-0058 Conduit *(26 05 33 13)*

Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

## 26 05 33 13-0059 Conduit Installed Above Grade *(26 05 33 13-0058)*

See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.

## 26 05 33 13-0060 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

## 26 05 33 13-0061 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling *(26 05 33 13-0060)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0062 | LF | 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling | 8.91 | 2.54 |
| | | *For >250 To 500, Deduct* | *-0.13* | |
| | | *For >500 To 1,000, Deduct* | *-0.51* | |
| | | *For >1,000, Deduct* | *-0.73* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.63* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.59* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.95* | |
| | | *For Work In Restricted Working Space, Add* | *1.90* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.63* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.27* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.54* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.17* | |
| | | *For Elevated Installation >40', Add* | *3.49* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0063 | LF | 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling | 10.54 | 2.77 |
| | | *For >250 To 500, Deduct* | *-0.16* | |
| | | *For >500 To 1,000, Deduct* | *-0.61* | |
| | | *For >1,000, Deduct* | *-0.87* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.74* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.84* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.11* | |
| | | *For Work In Restricted Working Space, Add* | *2.21* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.58* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.95* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.69* | |
| | | *For Elevated Installation >40', Add* | *4.05* | |
| 26 05 33 13-0064 | LF | 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling | 14.80 | 3.23 |
| | | *For >250 To 500, Deduct* | *-0.25* | |
| | | *For >500 To 1,000, Deduct* | *-0.86* | |
| | | *For >1,000, Deduct* | *-1.23* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.99* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *2.48* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.49* | |
| | | *For Work In Restricted Working Space, Add* | *2.97* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.99* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.98* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.47* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.96* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.95* | |
| | | *For Elevated Installation >40', Add* | *5.45* | |
| 26 05 33 13-0065 | LF | 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling | 17.03 | 3.69 |
| | | *For >250 To 500, Deduct* | *-0.33* | |
| | | *For >500 To 1,000, Deduct* | *-1.02* | |
| | | *For >1,000, Deduct* | *-1.44* | |
| | | *For Installation In Metal Stud Wall, Add* | *1.05* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *2.62* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.57* | |
| | | *For Work In Restricted Working Space, Add* | *3.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.05* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.10* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.25* | |
| | | *For Elevated Installation >40', Add* | *5.77* | |
| 26 05 33 13-0066 | LF | 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling | 19.52 | 4.15 |
| | | *For >250 To 500, Deduct* | *-0.40* | |
| | | *For >500 To 1,000, Deduct* | *-1.18* | |
| | | *For >1,000, Deduct* | *-1.66* | |
| | | *For Installation In Metal Stud Wall, Add* | *1.15* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *2.88* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.73* | |
| | | *For Work In Restricted Working Space, Add* | *3.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.88* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.61* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.76* | |
| | | *For Elevated Installation >40', Add* | *6.34* | |
| 26 05 33 13-0067 | LF | 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling | 24.86 | 5.07 |
| | | *For >250 To 500, Deduct* | *-0.54* | |
| | | *For >500 To 1,000, Deduct* | *-1.51* | |
| | | *For >1,000, Deduct* | *-2.13* | |
| | | *For Installation In Metal Stud Wall, Add* | *1.42* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *3.54* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *2.12* | |
| | | *For Work In Restricted Working Space, Add* | *4.25* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.42* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.54* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.08* | |
| | | *For Elevated Installation >40', Add* | *7.79* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0068 | LF | 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling | 36.98 | 6.91 |
| | | *For >250 To 500, Deduct* | *-0.89* | |
| | | *For >500 To 1,000, Deduct* | *-2.29* | |
| | | *For >1,000, Deduct* | *-3.22* | |
| | | *For Installation In Metal Stud Wall, Add* | *1.92* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *4.81* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *2.89* | |
| | | *For Work In Restricted Working Space, Add* | *5.77* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.85* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.81* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.73* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.70* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.62* | |
| | | *For Elevated Installation >40', Add* | *10.58* | |
| 26 05 33 13-0069 | LF | 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling | 48.49 | 9.21 |
| | | *For >250 To 500, Deduct* | *-1.13* | |
| | | *For >500 To 1,000, Deduct* | *-2.99* | |
| | | *For >1,000, Deduct* | *-4.20* | |
| | | *For Installation In Metal Stud Wall, Add* | *2.59* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *6.48* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *3.89* | |
| | | *For Work In Restricted Working Space, Add* | *7.77* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.07* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.96* | |
| | | *For Elevated Installation >40', Add* | *14.25* | |
| 26 05 33 13-0070 | LF | 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling | 58.30 | 11.52 |
| | | *For >250 To 500, Deduct* | *-1.38* | |
| | | *For >500 To 1,000, Deduct* | *-3.60* | |
| | | *For >1,000, Deduct* | *-5.06* | |
| | | *For Installation In Metal Stud Wall, Add* | *3.08* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *7.69* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *4.61* | |
| | | *For Work In Restricted Working Space, Add* | *9.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.69* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.77* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *15.38* | |
| | | *For Elevated Installation >40', Add* | *16.92* | |
| 26 05 33 13-0071 | LF | 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling | 69.13 | 13.82 |
| | | *For >250 To 500, Deduct* | *-1.68* | |
| | | *For >500 To 1,000, Deduct* | *-4.30* | |
| | | *For >1,000, Deduct* | *-6.03* | |
| | | *For Installation In Metal Stud Wall, Add* | *3.55* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *8.87* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *5.32* | |
| | | *For Work In Restricted Working Space, Add* | *10.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.55* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.10* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.19* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.74* | |
| | | *For Elevated Installation >40', Add* | *19.51* | |
| 26 05 33 13-0072 | LF | 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling | 108.73 | 17.50 |
| | | *For >250 To 500, Deduct* | *-3.25* | |
| | | *For >500 To 1,000, Deduct* | *-7.06* | |
| | | *For >1,000, Deduct* | *-9.78* | |
| | | *For Installation In Metal Stud Wall, Add* | *4.38* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *10.94* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *6.57* | |
| | | *For Work In Restricted Working Space, Add* | *13.13* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.51* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.89* | |
| | | *For Elevated Installation >40', Add* | *24.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0073 | LF | 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling | 146.59 | 22.11 |
| | | *For >250 To 500, Deduct* | *-4.57* | |
| | | *For >500 To 1,000, Deduct* | *-9.61* | |
| | | *For >1,000, Deduct* | *-13.28* | |
| | | *For Installation In Metal Stud Wall, Add* | *5.53* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *13.82* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *8.29* | |
| | | *For Work In Restricted Working Space, Add* | *16.59* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.82* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.35* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.65* | |
| | | *For Elevated Installation >40', Add* | *30.41* | |

## 26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0075 | EA | 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow | 34.36 | 11.40 |
| | | *For Work In Restricted Working Space, Add* | *8.58* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.86* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.72* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.15* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.30* | |
| | | *For Elevated Installation >40', Add* | *15.73* | |
| 26 05 33 13-0076 | EA | 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow | 43.16 | 14.16 |
| | | *For Work In Restricted Working Space, Add* | *10.67* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.56* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.89* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.45* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.78* | |
| | | *For Elevated Installation >40', Add* | *19.56* | |
| 26 05 33 13-0077 | EA | 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow | 55.05 | 17.39 |
| | | *For Work In Restricted Working Space, Add* | *13.01* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.18* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.68* | |
| | | *For Elevated Installation >40', Add* | *23.85* | |
| 26 05 33 13-0078 | EA | 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow | 70.34 | 20.16 |
| | | *For Work In Restricted Working Space, Add* | *15.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.62* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.18* | |
| | | *For Elevated Installation >40', Add* | *27.69* | |
| 26 05 33 13-0079 | EA | 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow | 81.63 | 23.15 |
| | | *For Work In Restricted Working Space, Add* | *17.34* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.78* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.56* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.45* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.23* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.90* | |
| | | *For Elevated Installation >40', Add* | *31.78* | |
| 26 05 33 13-0080 | EA | 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow | 96.35 | 25.45 |
| | | *For Work In Restricted Working Space, Add* | *19.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.36* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.71* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.89* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.79* | |
| | | *For Elevated Installation >40', Add* | *34.96* | |
| 26 05 33 13-0081 | EA | 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow | 137.88 | 31.79 |
| | | *For Work In Restricted Working Space, Add* | *23.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.74* | |
| | | *For Elevated Installation >40', Add* | *43.71* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0082 | EA | 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow | 195.22 | 43.31 |
| | | *For Work In Restricted Working Space, Add* | *32.48* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.83* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.65* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *37.89* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.13* | |
| | | *For Elevated Installation >40', Add* | *59.54* | |
| 26 05 33 13-0083 | EA | 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow | 258.07 | 48.84 |
| | | *For Work In Restricted Working Space, Add* | *36.63* | |
| | | *For Elevated Installation >10' To 15', Add* | *12.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *24.42* | |
| | | *For Elevated Installation >20' To 25', Add* | *30.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *42.74* | |
| | | *For Elevated Installation >30' To 35', Add* | *48.84* | |
| | | *For Elevated Installation >35' To 40', Add* | *61.06* | |
| | | *For Elevated Installation >40', Add* | *67.16* | |
| 26 05 33 13-0084 | EA | 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow | 315.61 | 63.58 |
| | | *For Work In Restricted Working Space, Add* | *47.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.89* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.78* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.62* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.57* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.46* | |
| | | *For Elevated Installation >40', Add* | *87.41* | |
| 26 05 33 13-0085 | EA | 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow | 516.27 | 103.66 |
| | | *For Work In Restricted Working Space, Add* | *77.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *25.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *51.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *64.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *90.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *103.67* | |
| | | *For Elevated Installation >35' To 40', Add* | *129.59* | |
| | | *For Elevated Installation >40', Add* | *142.54* | |
| 26 05 33 13-0086 | EA | 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow | 776.13 | 155.72 |
| | | *For Work In Restricted Working Space, Add* | *116.78* | |
| | | *For Elevated Installation >10' To 15', Add* | *38.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *77.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *97.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *136.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *155.71* | |
| | | *For Elevated Installation >35' To 40', Add* | *194.64* | |
| | | *For Elevated Installation >40', Add* | *214.10* | |

### 26 05 33 13-0087 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0088 | EA | 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow | 34.36 | 11.40 |
| | | *For Work In Restricted Working Space, Add* | *8.58* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.86* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.72* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.15* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.30* | |
| | | *For Elevated Installation >40', Add* | *15.73* | |
| 26 05 33 13-0089 | EA | 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow | 43.16 | 14.16 |
| | | *For Work In Restricted Working Space, Add* | *10.67* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.56* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.89* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.45* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.78* | |
| | | *For Elevated Installation >40', Add* | *19.56* | |
| 26 05 33 13-0090 | EA | 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow | 55.05 | 17.39 |
| | | *For Work In Restricted Working Space, Add* | *13.01* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.18* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.68* | |
| | | *For Elevated Installation >40', Add* | *23.85* | |
| 26 05 33 13-0091 | EA | 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow | 70.34 | 20.16 |
| | | *For Work In Restricted Working Space, Add* | *15.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.62* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.18* | |
| | | *For Elevated Installation >40', Add* | *27.69* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0092 | EA | 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow | 81.64 | 23.15 |
| | | *For Work In Restricted Working Space, Add* | *17.34* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.78* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.56* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.45* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.23* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.90* | |
| | | *For Elevated Installation >40', Add* | *31.78* | |
| 26 05 33 13-0093 | EA | 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow | 96.35 | 25.45 |
| | | *For Work In Restricted Working Space, Add* | *19.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.36* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.71* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.89* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.79* | |
| | | *For Elevated Installation >40', Add* | *34.96* | |
| 26 05 33 13-0094 | EA | 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow | 135.51 | 31.79 |
| | | *For Work In Restricted Working Space, Add* | *23.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.74* | |
| | | *For Elevated Installation >40', Add* | *43.71* | |
| 26 05 33 13-0095 | EA | 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow | 185.98 | 43.31 |
| | | *For Work In Restricted Working Space, Add* | *32.48* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.83* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.65* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *37.89* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.13* | |
| | | *For Elevated Installation >40', Add* | *59.54* | |
| 26 05 33 13-0096 | EA | 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow | 245.08 | 48.84 |
| | | *For Work In Restricted Working Space, Add* | *36.63* | |
| | | *For Elevated Installation >10' To 15', Add* | *12.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *24.42* | |
| | | *For Elevated Installation >20' To 25', Add* | *30.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *42.74* | |
| | | *For Elevated Installation >30' To 35', Add* | *48.84* | |
| | | *For Elevated Installation >35' To 40', Add* | *61.06* | |
| | | *For Elevated Installation >40', Add* | *67.16* | |
| 26 05 33 13-0097 | EA | 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow | 298.33 | 63.58 |
| | | *For Work In Restricted Working Space, Add* | *47.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.89* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.78* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.62* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.57* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.46* | |
| | | *For Elevated Installation >40', Add* | *87.41* | |
| 26 05 33 13-0098 | EA | 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow | 516.26 | 103.66 |
| | | *For Work In Restricted Working Space, Add* | *77.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *25.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *51.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *64.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *90.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *103.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *129.58* | |
| | | *For Elevated Installation >40', Add* | *142.54* | |
| 26 05 33 13-0099 | EA | 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow | 776.13 | 155.72 |
| | | *For Work In Restricted Working Space, Add* | *116.78* | |
| | | *For Elevated Installation >10' To 15', Add* | *38.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *77.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *97.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *136.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *155.71* | |
| | | *For Elevated Installation >35' To 40', Add* | *194.64* | |
| | | *For Elevated Installation >40', Add* | *214.10* | |

### 26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0101 | EA | 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow | 84.74 | 28.45 |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0102 | EA | 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow | 97.66 | 32.94 |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| 26 05 33 13-0103 | EA | 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow | 112.93 | 37.43 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| 26 05 33 13-0104 | EA | 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow | 127.21 | 41.18 |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |

## 26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0106 | EA | 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow | 91.97 | 28.45 |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| 26 05 33 13-0107 | EA | 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow | 106.94 | 32.94 |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| 26 05 33 13-0108 | EA | 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow | 117.16 | 37.43 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| 26 05 33 13-0109 | EA | 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow | 131.93 | 41.18 |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| 26 05 33 13-0110 | EA | 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow | 175.27 | 51.66 |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| 26 05 33 13-0111 | EA | 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow | 235.92 | 70.37 |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0112 | | Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0060)* | | |
| | | See CSI section 26 05 33 13-2319 for conduit field bending. | | |
| 26 05 33 13-0113 | EA | 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 92.31 | 28.45 |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| 26 05 33 13-0114 | EA | 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 106.03 | 32.94 |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| 26 05 33 13-0115 | EA | 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 121.73 | 37.43 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| 26 05 33 13-0116 | EA | 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 142.16 | 41.18 |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| 26 05 33 13-0117 | EA | 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 184.80 | 51.66 |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| 26 05 33 13-0118 | EA | 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 243.61 | 70.37 |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| 26 05 33 13-0119 | EA | 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 304.11 | 79.35 |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| 26 05 33 13-0120 | EA | 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 369.08 | 103.31 |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| 26 05 33 13-0121 | | Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0060)* | | |
| | | See CSI section 26 05 33 13-2319 for conduit field bending. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0122 | EA | 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 103.82 | 28.45 |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| 26 05 33 13-0123 | EA | 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 117.32 | 32.94 |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| 26 05 33 13-0124 | EA | 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 130.19 | 37.43 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| 26 05 33 13-0125 | EA | 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 154.63 | 41.18 |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| 26 05 33 13-0126 | EA | 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 201.81 | 51.66 |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| 26 05 33 13-0127 | EA | 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 270.27 | 70.37 |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| 26 05 33 13-0128 | EA | 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 330.03 | 79.35 |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| 26 05 33 13-0129 | EA | 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 389.75 | 103.31 |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |

### 26 05 33 13-0130 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0131 | EA | 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 103.12 | 28.45 |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0132 | EA | 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 125.72 | 32.94 |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| 26 05 33 13-0133 | EA | 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 139.29 | 37.43 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| 26 05 33 13-0134 | EA | 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 166.52 | 41.18 |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| 26 05 33 13-0135 | EA | 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 218.13 | 51.66 |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| 26 05 33 13-0136 | EA | 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 291.33 | 70.37 |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| 26 05 33 13-0137 | EA | 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 355.66 | 79.35 |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| 26 05 33 13-0138 | EA | 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 427.68 | 103.31 |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| 26 05 33 13-0139 | EA | 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 620.83 | 168.45 |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| 26 05 33 13-0140 | | Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0060)* | | |
| | | See CSI section 26 05 33 13-2319 for conduit field bending. | | |
| 26 05 33 13-0141 | EA | 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 109.27 | 28.45 |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0142 | EA | 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 129.86 | 32.94 |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| 26 05 33 13-0143 | EA | 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 155.22 | 37.43 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| 26 05 33 13-0144 | EA | 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 175.80 | 41.18 |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| 26 05 33 13-0145 | EA | 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 237.48 | 51.66 |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| 26 05 33 13-0146 | EA | 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 309.34 | 70.37 |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| 26 05 33 13-0147 | EA | 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 388.76 | 79.35 |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| 26 05 33 13-0148 | EA | 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 445.53 | 103.31 |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| 26 05 33 13-0149 | EA | 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 766.44 | 168.45 |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| 26 05 33 13-0150 | EA | 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 978.00 | 253.05 |
| | | *For Work In Restricted Working Space, Add* | *151.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *50.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *101.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *126.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *177.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *202.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *253.05* | |
| | | *For Elevated Installation >40', Add* | *278.36* | |

26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0060)*
See CSI section 26 05 33 13-2319 for conduit field bending.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0152 | EA | 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 118.28 | 28.45 |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| 26 05 33 13-0153 | EA | 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 140.86 | 32.94 |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| 26 05 33 13-0154 | EA | 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 166.92 | 37.43 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| 26 05 33 13-0155 | EA | 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 188.03 | 41.18 |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| 26 05 33 13-0156 | EA | 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 252.29 | 51.66 |
| | | *For Work In Restricted Working Space, Add* | *31.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.33* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.83* | |
| 26 05 33 13-0157 | EA | 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 335.72 | 70.37 |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| 26 05 33 13-0158 | EA | 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 415.22 | 79.35 |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| 26 05 33 13-0159 | EA | 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 521.67 | 103.31 |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| 26 05 33 13-0160 | EA | 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 871.48 | 168.45 |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0161 | EA | 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 1,068.96 | 253.05 |
| | | *For Work In Restricted Working Space, Add* | *151.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *50.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *101.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *126.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *177.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *202.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *253.05* | |
| | | *For Elevated Installation >40', Add* | *278.36* | |

## 26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0163 | EA | 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 125.78 | 28.45 |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| 26 05 33 13-0164 | EA | 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 149.34 | 32.94 |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| 26 05 33 13-0165 | EA | 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 174.31 | 37.43 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| 26 05 33 13-0166 | EA | 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 210.87 | 41.18 |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| 26 05 33 13-0167 | EA | 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 279.59 | 51.66 |
| | | *For Work In Restricted Working Space, Add* | *31.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.33* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.83* | |
| 26 05 33 13-0168 | EA | 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 362.31 | 70.37 |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| 26 05 33 13-0169 | EA | 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 448.49 | 79.35 |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| 26 05 33 13-0170 | EA | 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 562.09 | 103.31 |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0171 | EA | 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 904.37 | 168.45 |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| 26 05 33 13-0172 | EA | 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 1,087.36 | 253.05 |
| | | *For Work In Restricted Working Space, Add* | *151.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *50.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *101.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *126.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *177.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *202.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *253.05* | |
| | | *For Elevated Installation >40', Add* | *278.36* | |

## 26 05 33 13-0173 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0174 | EA | 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing | 15.10 | 7.34 |
| | | *For Work In Restricted Working Space, Add* | *4.41* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.47* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.67* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.88* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.35* | |
| | | *For Elevated Installation >40', Add* | *8.08* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.41* | |
| 26 05 33 13-0175 | EA | 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing | 16.21 | 7.83 |
| | | *For Work In Restricted Working Space, Add* | *4.70* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.57* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.92* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.48* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.27* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.84* | |
| | | *For Elevated Installation >40', Add* | *8.62* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.70* | |
| 26 05 33 13-0176 | EA | 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing | 18.43 | 8.81 |
| | | *For Work In Restricted Working Space, Add* | *5.29* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.41* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.05* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.81* | |
| | | *For Elevated Installation >40', Add* | *9.69* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.29* | |
| 26 05 33 13-0177 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing | 20.76 | 9.79 |
| | | *For Work In Restricted Working Space, Add* | *5.87* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.85* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.83* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.79* | |
| | | *For Elevated Installation >40', Add* | *10.77* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.87* | |
| 26 05 33 13-0178 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing | 26.09 | 12.24 |
| | | *For Work In Restricted Working Space, Add* | *7.34* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.45* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.90* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.12* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.24* | |
| | | *For Elevated Installation >40', Add* | *13.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.34* | |
| 26 05 33 13-0179 | EA | 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing | 32.36 | 14.69 |
| | | *For Work In Restricted Working Space, Add* | *8.81* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.28* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.69* | |
| | | *For Elevated Installation >40', Add* | *16.15* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.81* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0180 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing | 40.86 | 17.13 |
| | | *For Work In Restricted Working Space, Add* | *10.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.85* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.57* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.99* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.70* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.13* | |
| | | *For Elevated Installation >40', Add* | *18.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.28* | |
| 26 05 33 13-0181 | EA | 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing | 46.13 | 19.58 |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.67* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.59* | |
| | | *For Elevated Installation >40', Add* | *21.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |
| 26 05 33 13-0182 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing | 53.72 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.81* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.62* | |
| | | *For Elevated Installation >35' To 40', Add* | *22.03* | |
| | | *For Elevated Installation >40', Add* | *24.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.22* | |
| 26 05 33 13-0183 | EA | 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing | 59.60 | 24.48 |
| | | *For Work In Restricted Working Space, Add* | *14.69* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.90* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.79* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.58* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.48* | |
| | | *For Elevated Installation >40', Add* | *26.92* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.69* | |
| 26 05 33 13-0184 | EA | 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing | 71.99 | 26.93 |
| | | *For Work In Restricted Working Space, Add* | *16.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.77* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.54* | |
| | | *For Elevated Installation >35' To 40', Add* | *26.92* | |
| | | *For Elevated Installation >40', Add* | *29.61* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.15* | |
| 26 05 33 13-0185 | EA | 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing | 104.69 | 29.37 |
| | | *For Work In Restricted Working Space, Add* | *17.62* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.69* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.56* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *29.37* | |
| | | *For Elevated Installation >40', Add* | *32.31* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.62* | |

## 26 05 33 13-0186 Rigid Galvanized Steel (RGS) Steel Bushing *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0187 | EA | 1/2" Rigid Galvanized Steel (RGS) Steel Bushing | 18.28 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0188 | EA | 3/4" Rigid Galvanized Steel (RGS) Steel Bushing | 19.89 | 9.21 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.84* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.68* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.45* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.37* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.21* | |
| | | *For Elevated Installation >40', Add* | *10.13* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.53* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0189 | EA | 1" Rigid Galvanized Steel (RGS) Steel Bushing | 23.29 | 10.37 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.22* | |
| 26 05 33 13-0190 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing | 26.20 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.91* | |
| 26 05 33 13-0191 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing | 33.47 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0192 | EA | 2" Rigid Galvanized Steel (RGS) Steel Bushing | 39.58 | 17.27 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.37* | |
| 26 05 33 13-0193 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing | 56.11 | 20.16 |
| | | *For Work In Restricted Working Space, Add* | *12.09* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.08* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.11* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.16* | |
| | | *For Elevated Installation >40', Add* | *22.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.09* | |
| 26 05 33 13-0194 | EA | 3" Rigid Galvanized Steel (RGS) Steel Bushing | 66.80 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.82* | |
| 26 05 33 13-0195 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing | 100.24 | 25.91 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.55* | |
| 26 05 33 13-0196 | EA | 4" Rigid Galvanized Steel (RGS) Steel Bushing | 136.10 | 28.79 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0197 | EA | 5" Rigid Galvanized Steel (RGS) Steel Bushing | 182.43 | 31.68 |
| | | *For Work In Restricted Working Space, Add* | *19.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.67* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.00* | |
| 26 05 33 13-0198 | EA | 6" Rigid Galvanized Steel (RGS) Steel Bushing | 270.11 | 34.55 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.73* | |

## 26 05 33 13-0199 Rigid Galvanized Steel (RGS) Steel Insulated Bushing *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0200 | EA | 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing | 19.47 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0201 | EA | 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing | 21.69 | 9.21 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.84* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.68* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.45* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.37* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.21* | |
| | | *For Elevated Installation >40', Add* | *10.13* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.53* | |
| 26 05 33 13-0202 | EA | 1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing | 25.55 | 10.37 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.22* | |
| 26 05 33 13-0203 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing | 30.02 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.91* | |
| 26 05 33 13-0204 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing | 37.44 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0205 | EA | 2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing | 46.63 | 17.27 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.37* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0206 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing | 65.67 | 20.16 |
| | | *For Work In Restricted Working Space, Add* | *12.09* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.08* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.11* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.16* | |
| | | *For Elevated Installation >40', Add* | *22.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.09* | |
| 26 05 33 13-0207 | EA | 3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing | 78.01 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.82* | |
| 26 05 33 13-0208 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing | 102.33 | 25.91 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.55* | |
| 26 05 33 13-0209 | EA | 4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing | 145.45 | 28.79 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |
| 26 05 33 13-0210 | EA | 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing | 192.61 | 31.68 |
| | | *For Work In Restricted Working Space, Add* | *19.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.67* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.00* | |
| 26 05 33 13-0211 | EA | 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing | 273.69 | 34.55 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.73* | |

## 26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0213 | EA | 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing | 29.60 | 10.37 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.22* | |
| 26 05 33 13-0214 | EA | 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing | 33.17 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0215 | EA | 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing | 37.97 | 12.67 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-0216 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing | 45.13 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0217 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing | 54.57 | 17.85 |
| | | *For Work In Restricted Working Space, Add* | *10.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.57* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.14* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.93* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.28* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.86* | |
| | | *For Elevated Installation >40', Add* | *19.64* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.71* | |
| 26 05 33 13-0218 | EA | 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing | 68.81 | 21.31 |
| | | *For Work In Restricted Working Space, Add* | *12.78* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.26* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.65* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.91* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.31* | |
| | | *For Elevated Installation >40', Add* | *23.44* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.78* | |
| 26 05 33 13-0219 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing | 92.33 | 24.76 |
| | | *For Work In Restricted Working Space, Add* | *14.86* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.77* | |
| | | *For Elevated Installation >40', Add* | *27.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.86* | |
| 26 05 33 13-0220 | EA | 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing | 101.75 | 28.79 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |
| 26 05 33 13-0221 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing | 115.07 | 32.25 |
| | | *For Work In Restricted Working Space, Add* | *19.35* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.45* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.90* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.13* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.58* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.80* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.25* | |
| | | *For Elevated Installation >40', Add* | *35.48* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.35* | |
| 26 05 33 13-0222 | EA | 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing | 148.82 | 35.71 |
| | | *For Work In Restricted Working Space, Add* | *21.42* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.14* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.85* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.99* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.71* | |
| | | *For Elevated Installation >40', Add* | *39.28* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.42* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0223 | EA | 5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing | 211.57 | 39.17 |
| | | *For Work In Restricted Working Space, Add* | *23.50* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.83* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.41* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.33* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.16* | |
| | | *For Elevated Installation >40', Add* | *43.08* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.50* | |
| 26 05 33 13-0224 | EA | 6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing | 291.78 | 43.20 |
| | | *For Work In Restricted Working Space, Add* | *25.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *17.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *21.60* | |
| | | *For Elevated Installation >25' To 30', Add* | *30.23* | |
| | | *For Elevated Installation >30' To 35', Add* | *34.55* | |
| | | *For Elevated Installation >35' To 40', Add* | *43.19* | |
| | | *For Elevated Installation >40', Add* | *47.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *25.91* | |

## 26 05 33 13-0225 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0226 | EA | 1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw | 17.26 | 5.30 |
| | | *For Work In Restricted Working Space, Add* | *3.94* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.31* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.63* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.29* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.60* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.26* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.57* | |
| | | *For Elevated Installation >40', Add* | *7.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.94* | |
| 26 05 33 13-0227 | EA | 3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw | 20.94 | 6.10 |
| | | *For Work In Restricted Working Space, Add* | *4.57* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.81* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.33* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.09* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.61* | |
| | | *For Elevated Installation >40', Add* | *8.37* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.57* | |
| 26 05 33 13-0228 | EA | 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw | 27.47 | 7.37 |
| | | *For Work In Restricted Working Space, Add* | *5.51* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.84* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.18* | |
| | | *For Elevated Installation >40', Add* | *10.09* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.51* | |
| 26 05 33 13-0229 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw | 40.71 | 9.10 |
| | | *For Work In Restricted Working Space, Add* | *6.85* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.28* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.56* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.71* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.99* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.13* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.41* | |
| | | *For Elevated Installation >40', Add* | *12.55* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.85* | |
| 26 05 33 13-0230 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw | 55.12 | 12.21 |
| | | *For Work In Restricted Working Space, Add* | *9.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.69* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *15.28* | |
| | | *For Elevated Installation >40', Add* | *16.80* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.17* | |
| 26 05 33 13-0231 | EA | 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw | 93.93 | 18.31 |
| | | *For Work In Restricted Working Space, Add* | *13.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.58* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.44* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *22.88* | |
| | | *For Elevated Installation >40', Add* | *25.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.73* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0232 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw | 169.89 | 20.27 |
| | | *For Work In Restricted Working Space, Add* | *15.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.67* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.73* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.27* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.34* | |
| | | *For Elevated Installation >40', Add* | *27.87* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.20* | |
| 26 05 33 13-0233 | EA | 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw | 202.49 | 24.53 |
| | | *For Work In Restricted Working Space, Add* | *18.41* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.14* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.35* | |
| | | *For Elevated Installation >25' To 30', Add* | *21.48* | |
| | | *For Elevated Installation >30' To 35', Add* | *24.55* | |
| | | *For Elevated Installation >35' To 40', Add* | *30.69* | |
| | | *For Elevated Installation >40', Add* | *33.76* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.41* | |
| 26 05 33 13-0234 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw | 273.91 | 30.76 |
| | | *For Work In Restricted Working Space, Add* | *23.05* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.68* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.21* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.89* | |
| | | *For Elevated Installation >30' To 35', Add* | *30.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *38.42* | |
| | | *For Elevated Installation >40', Add* | *42.26* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.05* | |
| 26 05 33 13-0235 | EA | 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw | 320.84 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.64* | |
| 26 05 33 13-0236 | EA | 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw | 564.66 | 41.00 |
| | | *For Work In Restricted Working Space, Add* | *30.72* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.48* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.60* | |
| | | *For Elevated Installation >25' To 30', Add* | *35.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *40.96* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.20* | |
| | | *For Elevated Installation >40', Add* | *56.31* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.72* | |
| 26 05 33 13-0237 | EA | 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw | 674.74 | 46.07 |
| | | *For Work In Restricted Working Space, Add* | *34.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.03* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.30* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.06* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.58* | |
| | | *For Elevated Installation >40', Add* | *63.33* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *34.55* | |

## 26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0239 | EA | 1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple | 16.80 | 7.49 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-0240 | EA | 3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple | 19.32 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0241 | EA | 1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple | 24.75 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-0242 | EA | 1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple | 28.99 | 12.67 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-0243 | EA | 1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple | 33.11 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0244 | EA | 1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 16.95 | 7.49 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-0245 | EA | 3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 19.55 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0246 | EA | 1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 25.00 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-0247 | EA | 1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 29.33 | 12.67 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-0248 | EA | 1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 33.66 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0249 | EA | 2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 38.14 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *9.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.13* | |
| | | *For Elevated Installation >40', Add* | *17.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-0250 | EA | 1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple | 17.11 | 7.49 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-0251 | EA | 3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple | 19.76 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0252 | EA | 1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple | 25.35 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-0253 | EA | 1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple | 29.64 | 12.67 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-0254 | EA | 1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple | 34.04 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0255 | EA | 2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple | 39.06 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *9.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.13* | |
| | | *For Elevated Installation >40', Add* | *17.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-0256 | EA | 2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple | 53.22 | 19.58 |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.58* | |
| | | *For Elevated Installation >40', Add* | *21.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0257 | EA | 3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple | 71.42 | 27.07 |
| | | *For Work In Restricted Working Space, Add* | *16.24* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.07* | |
| | | *For Elevated Installation >40', Add* | *29.77* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-0258 | EA | 1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 17.31 | 7.49 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-0259 | EA | 3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 19.87 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0260 | EA | 1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 25.82 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-0261 | EA | 1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 30.23 | 12.67 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-0262 | EA | 1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 34.82 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0263 | EA | 2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple | 40.01 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *9.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.13* | |
| | | *For Elevated Installation >40', Add* | *17.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-0264 | EA | 2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 55.79 | 19.58 |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.58* | |
| | | *For Elevated Installation >40', Add* | *21.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0265 | EA | 3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple | 73.64 | 27.07 |
| | | *For Work In Restricted Working Space, Add* | *16.24* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.07* | |
| | | *For Elevated Installation >40', Add* | *29.77* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-0266 | EA | 1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple | 17.51 | 7.49 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-0267 | EA | 3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple | 20.22 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0268 | EA | 1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple | 26.10 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-0269 | EA | 1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple | 30.52 | 12.67 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-0270 | EA | 1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple | 35.35 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0271 | EA | 2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple | 40.81 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *9.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.13* | |
| | | *For Elevated Installation >40', Add* | *17.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-0272 | EA | 2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple | 56.57 | 19.58 |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.58* | |
| | | *For Elevated Installation >40', Add* | *21.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0273 | EA | 3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple | 75.28 | 27.07 |
| | | *For Work In Restricted Working Space, Add* | *16.24* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.07* | |
| | | *For Elevated Installation >40', Add* | *29.77* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-0274 | EA | 3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple | 86.78 | 30.52 |
| | | *For Work In Restricted Working Space, Add* | *18.31* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.10* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.26* | |
| | | *For Elevated Installation >25' To 30', Add* | *21.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *24.42* | |
| | | *For Elevated Installation >35' To 40', Add* | *30.52* | |
| | | *For Elevated Installation >40', Add* | *33.57* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.31* | |
| 26 05 33 13-0275 | EA | 4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple | 108.36 | 39.74 |
| | | *For Work In Restricted Working Space, Add* | *23.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.78* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.73* | |
| | | *For Elevated Installation >40', Add* | *43.70* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-0276 | EA | 1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple | 17.81 | 7.49 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-0277 | EA | 3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple | 20.66 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0278 | EA | 1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple | 26.67 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-0279 | EA | 1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple | 31.34 | 12.67 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-0280 | EA | 1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple | 36.15 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0281 | EA | 2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple | 42.24 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *9.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.13* | |
| | | *For Elevated Installation >40', Add* | *17.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-0282 | EA | 2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple | 59.74 | 19.58 |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.58* | |
| | | *For Elevated Installation >40', Add* | *21.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |
| 26 05 33 13-0283 | EA | 3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple | 78.72 | 27.07 |
| | | *For Work In Restricted Working Space, Add* | *16.24* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.07* | |
| | | *For Elevated Installation >40', Add* | *29.77* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-0284 | EA | 3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple | 90.20 | 30.52 |
| | | *For Work In Restricted Working Space, Add* | *18.31* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.10* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.26* | |
| | | *For Elevated Installation >25' To 30', Add* | *21.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *24.42* | |
| | | *For Elevated Installation >35' To 40', Add* | *30.52* | |
| | | *For Elevated Installation >40', Add* | *33.57* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.31* | |
| 26 05 33 13-0285 | EA | 4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple | 113.35 | 39.74 |
| | | *For Work In Restricted Working Space, Add* | *23.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.78* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.73* | |
| | | *For Elevated Installation >40', Add* | *43.70* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-0286 | EA | 5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple | 175.20 | 54.71 |
| | | *For Work In Restricted Working Space, Add* | *32.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.88* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.30* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.71* | |
| | | *For Elevated Installation >40', Add* | *60.18* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.83* | |
| 26 05 33 13-0287 | EA | 6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple | 222.36 | 70.14 |
| | | *For Work In Restricted Working Space, Add* | *42.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.08* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.19* | |
| | | *For Elevated Installation >40', Add* | *77.21* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.11* | |
| 26 05 33 13-0288 | EA | 1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple | 18.36 | 7.49 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0289 | EA | 3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple | 21.22 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0290 | EA | 1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple | 27.12 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-0291 | EA | 1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple | 32.09 | 12.67 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-0292 | EA | 1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple | 37.84 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0293 | EA | 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple | 43.68 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *9.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.13* | |
| | | *For Elevated Installation >40', Add* | *17.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-0294 | EA | 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple | 62.52 | 19.58 |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.58* | |
| | | *For Elevated Installation >40', Add* | *21.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |
| 26 05 33 13-0295 | EA | 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple | 82.20 | 27.07 |
| | | *For Work In Restricted Working Space, Add* | *16.24* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.07* | |
| | | *For Elevated Installation >40', Add* | *29.77* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-0296 | EA | 3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple | 94.36 | 30.52 |
| | | *For Work In Restricted Working Space, Add* | *18.31* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.10* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.26* | |
| | | *For Elevated Installation >25' To 30', Add* | *21.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *24.42* | |
| | | *For Elevated Installation >35' To 40', Add* | *30.52* | |
| | | *For Elevated Installation >40', Add* | *33.57* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.31* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0297 | EA | 4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple | 117.31 | 39.74 |
| | | *For Work In Restricted Working Space, Add* | *23.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.78* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.73* | |
| | | *For Elevated Installation >40', Add* | *43.70* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-0298 | EA | 5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple | 180.99 | 54.71 |
| | | *For Work In Restricted Working Space, Add* | *32.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.88* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.30* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.71* | |
| | | *For Elevated Installation >40', Add* | *60.18* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.83* | |
| 26 05 33 13-0299 | EA | 6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple | 230.84 | 70.14 |
| | | *For Work In Restricted Working Space, Add* | *42.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.08* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.19* | |
| | | *For Elevated Installation >40', Add* | *77.21* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.11* | |
| 26 05 33 13-0300 | EA | 1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple | 20.37 | 7.49 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-0301 | EA | 3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple | 23.79 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0302 | EA | 1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple | 30.14 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-0303 | EA | 1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple | 36.40 | 12.67 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-0304 | EA | 1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple | 42.64 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0305 | EA | 2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple | 48.73 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *9.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.13* | |
| | | *For Elevated Installation >40', Add* | *17.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-0306 | EA | 2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple | 69.88 | 19.58 |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.58* | |
| | | *For Elevated Installation >40', Add* | *21.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |
| 26 05 33 13-0307 | EA | 3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple | 90.66 | 27.07 |
| | | *For Work In Restricted Working Space, Add* | *16.24* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.07* | |
| | | *For Elevated Installation >40', Add* | *29.77* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-0308 | EA | 3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple | 102.79 | 30.52 |
| | | *For Work In Restricted Working Space, Add* | *18.31* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.10* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.26* | |
| | | *For Elevated Installation >25' To 30', Add* | *21.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *24.42* | |
| | | *For Elevated Installation >35' To 40', Add* | *30.52* | |
| | | *For Elevated Installation >40', Add* | *33.57* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.31* | |
| 26 05 33 13-0309 | EA | 4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple | 126.62 | 39.74 |
| | | *For Work In Restricted Working Space, Add* | *23.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.78* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.73* | |
| | | *For Elevated Installation >40', Add* | *43.70* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-0310 | EA | 5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple | 194.43 | 54.71 |
| | | *For Work In Restricted Working Space, Add* | *32.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.88* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.30* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.71* | |
| | | *For Elevated Installation >40', Add* | *60.18* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.83* | |
| 26 05 33 13-0311 | EA | 6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple | 245.93 | 70.14 |
| | | *For Work In Restricted Working Space, Add* | *42.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.08* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.19* | |
| | | *For Elevated Installation >40', Add* | *77.21* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.11* | |
| 26 05 33 13-0312 | EA | 1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple | 21.72 | 7.49 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0313 | EA | 3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple | 25.10 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0314 | EA | 1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple | 32.54 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-0315 | EA | 1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple | 39.25 | 12.67 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-0316 | EA | 1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple | 45.45 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0317 | EA | 2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple | 51.99 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *9.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.13* | |
| | | *For Elevated Installation >40', Add* | *17.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-0318 | EA | 2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple | 74.83 | 19.58 |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.58* | |
| | | *For Elevated Installation >40', Add* | *21.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |
| 26 05 33 13-0319 | EA | 3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple | 97.31 | 27.07 |
| | | *For Work In Restricted Working Space, Add* | *16.24* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.07* | |
| | | *For Elevated Installation >40', Add* | *29.77* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-0320 | EA | 3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple | 111.55 | 30.52 |
| | | *For Work In Restricted Working Space, Add* | *18.31* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.10* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.26* | |
| | | *For Elevated Installation >25' To 30', Add* | *21.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *24.42* | |
| | | *For Elevated Installation >35' To 40', Add* | *30.52* | |
| | | *For Elevated Installation >40', Add* | *33.57* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.31* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0321 | EA | 4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple | 137.71 | 39.74 |
| | | *For Work In Restricted Working Space, Add* | *23.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.78* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.73* | |
| | | *For Elevated Installation >40', Add* | *43.70* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-0322 | EA | 5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple | 209.09 | 54.71 |
| | | *For Work In Restricted Working Space, Add* | *32.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.88* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.30* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.71* | |
| | | *For Elevated Installation >40', Add* | *60.18* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.83* | |
| 26 05 33 13-0323 | EA | 6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple | 272.30 | 70.14 |
| | | *For Work In Restricted Working Space, Add* | *42.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.08* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.19* | |
| | | *For Elevated Installation >40', Add* | *77.21* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.11* | |
| 26 05 33 13-0324 | EA | 1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple | 22.75 | 7.49 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-0325 | EA | 3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple | 26.07 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0326 | EA | 1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple | 33.98 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-0327 | EA | 1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple | 41.54 | 12.67 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-0328 | EA | 1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple | 46.86 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0329 | EA | 2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple | 54.73 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *9.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.13* | |
| | | *For Elevated Installation >40', Add* | *17.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-0330 | EA | 2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple | 80.65 | 19.58 |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.58* | |
| | | *For Elevated Installation >40', Add* | *21.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |
| 26 05 33 13-0331 | EA | 3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple | 106.55 | 27.07 |
| | | *For Work In Restricted Working Space, Add* | *16.24* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.07* | |
| | | *For Elevated Installation >40', Add* | *29.77* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-0332 | EA | 3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple | 120.07 | 30.52 |
| | | *For Work In Restricted Working Space, Add* | *18.31* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.10* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.26* | |
| | | *For Elevated Installation >25' To 30', Add* | *21.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *24.42* | |
| | | *For Elevated Installation >35' To 40', Add* | *30.52* | |
| | | *For Elevated Installation >40', Add* | *33.57* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.31* | |
| 26 05 33 13-0333 | EA | 4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple | 148.81 | 39.74 |
| | | *For Work In Restricted Working Space, Add* | *23.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.78* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.73* | |
| | | *For Elevated Installation >40', Add* | *43.70* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-0334 | EA | 5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple | 230.15 | 54.71 |
| | | *For Work In Restricted Working Space, Add* | *32.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.88* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.30* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.71* | |
| | | *For Elevated Installation >40', Add* | *60.18* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.83* | |
| 26 05 33 13-0335 | EA | 6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple | 286.95 | 70.14 |
| | | *For Work In Restricted Working Space, Add* | *42.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.08* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.19* | |
| | | *For Elevated Installation >40', Add* | *77.21* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.11* | |

## 26 05 33 13-0336 Rigid Galvanized Steel (RGS) Off-Set Nipples *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0337 | EA | 1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple | 17.29 | 5.98 |
| | | *For Work In Restricted Working Space, Add* | *4.53* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.51* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.02* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.77* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.28* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.55* | |
| | | *For Elevated Installation >40', Add* | *8.30* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.53* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0338 | EA | 3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple | 20.54 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *5.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.72* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.44* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.30* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.87* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.59* | |
| | | *For Elevated Installation >40', Add* | *9.45* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.15* | |
| 26 05 33 13-0339 | EA | 1" Rigid Galvanized Steel (RGS) Off-Set Nipple | 25.81 | 8.75 |
| | | *For Work In Restricted Working Space, Add* | *6.59* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.20* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.39* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.49* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.69* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.99* | |
| | | *For Elevated Installation >40', Add* | *12.08* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.59* | |
| 26 05 33 13-0340 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated | 32.53 | 10.49 |
| | | *For Work In Restricted Working Space, Add* | *7.90* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.63* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.27* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.17* | |
| | | *For Elevated Installation >40', Add* | *14.48* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.90* | |
| 26 05 33 13-0341 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated | 35.62 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *8.65* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.21* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.41* | |
| | | *For Elevated Installation >40', Add* | *15.85* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.65* | |
| 26 05 33 13-0342 | EA | 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated | 46.30 | 14.16 |
| | | *For Work In Restricted Working Space, Add* | *10.65* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.55* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.10* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.88* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.43* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.75* | |
| | | *For Elevated Installation >40', Add* | *19.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.65* | |
| 26 05 33 13-0343 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated | 75.60 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |
| 26 05 33 13-0344 | EA | 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated | 120.37 | 31.79 |
| | | *For Work In Restricted Working Space, Add* | *23.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.74* | |
| | | *For Elevated Installation >40', Add* | *43.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-0345 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated | 148.58 | 37.55 |
| | | *For Work In Restricted Working Space, Add* | *28.01* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.68* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.68* | |
| | | *For Elevated Installation >40', Add* | *51.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.01* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0346 | EA | 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated | 177.75 | 43.31 |
| | | *For Work In Restricted Working Space, Add* | *32.48* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.83* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.07* | |
| | | *For Elevated Installation >25' To 30', Add* | *37.90* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.31* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.14* | |
| | | *For Elevated Installation >40', Add* | *59.55* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.48* | |

## 26 05 33 13-0347 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0060)*

Note: Erickson fittings.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0348 | EA | 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) | 48.89 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.45* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.06* | |
| | | *For Elevated Installation >40', Add* | *25.37* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.84* | |
| 26 05 33 13-0349 | EA | 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) | 55.03 | 20.62 |
| | | *For Work In Restricted Working Space, Add* | *15.44* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.59* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.74* | |
| | | *For Elevated Installation >40', Add* | *28.31* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.44* | |
| 26 05 33 13-0350 | EA | 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) | 63.89 | 22.92 |
| | | *For Work In Restricted Working Space, Add* | *17.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.07* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.67* | |
| | | *For Elevated Installation >40', Add* | *31.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.20* | |
| 26 05 33 13-0351 | EA | 1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) | 76.73 | 25.11 |
| | | *For Work In Restricted Working Space, Add* | *18.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.28* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.55* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.69* | |
| | | *For Elevated Installation >25' To 30', Add* | *21.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.10* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.38* | |
| | | *For Elevated Installation >40', Add* | *34.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.83* | |
| 26 05 33 13-0352 | EA | 1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) | 85.41 | 27.42 |
| | | *For Work In Restricted Working Space, Add* | *20.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.73* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.46* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.33* | |
| | | *For Elevated Installation >40', Add* | *37.76* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.60* | |
| 26 05 33 13-0353 | EA | 2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) | 107.90 | 29.71 |
| | | *For Work In Restricted Working Space, Add* | *22.31* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.44* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.18* | |
| | | *For Elevated Installation >40', Add* | *40.89* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.31* | |
| 26 05 33 13-0354 | EA | 2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) | 169.85 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0355 | EA | 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) | 233.13 | 46.07 |
| | | *For Work In Restricted Working Space, Add* | *34.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.80* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.59* | |
| | | *For Elevated Installation >40', Add* | *63.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *34.55* | |
| 26 05 33 13-0356 | EA | 3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) | 334.73 | 55.29 |
| | | *For Work In Restricted Working Space, Add* | *41.48* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.83* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.65* | |
| | | *For Elevated Installation >20' To 25', Add* | *34.57* | |
| | | *For Elevated Installation >25' To 30', Add* | *48.39* | |
| | | *For Elevated Installation >30' To 35', Add* | *55.31* | |
| | | *For Elevated Installation >35' To 40', Add* | *69.14* | |
| | | *For Elevated Installation >40', Add* | *76.05* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.48* | |
| 26 05 33 13-0357 | EA | 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) | 380.75 | 59.90 |
| | | *For Work In Restricted Working Space, Add* | *44.92* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.97* | |
| | | *For Elevated Installation >15' To 20', Add* | *29.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *37.43* | |
| | | *For Elevated Installation >25' To 30', Add* | *52.40* | |
| | | *For Elevated Installation >30' To 35', Add* | *59.89* | |
| | | *For Elevated Installation >35' To 40', Add* | *74.86* | |
| | | *For Elevated Installation >40', Add* | *82.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *44.92* | |
| 26 05 33 13-0358 | EA | 5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) | 658.43 | 73.71 |
| | | *For Work In Restricted Working Space, Add* | *55.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *18.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *36.85* | |
| | | *For Elevated Installation >20' To 25', Add* | *46.07* | |
| | | *For Elevated Installation >25' To 30', Add* | *64.49* | |
| | | *For Elevated Installation >30' To 35', Add* | *73.71* | |
| | | *For Elevated Installation >35' To 40', Add* | *92.14* | |
| | | *For Elevated Installation >40', Add* | *101.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *55.28* | |
| 26 05 33 13-0359 | EA | 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) | 845.08 | 85.23 |
| | | *For Work In Restricted Working Space, Add* | *63.92* | |
| | | *For Elevated Installation >10' To 15', Add* | *21.31* | |
| | | *For Elevated Installation >15' To 20', Add* | *42.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *53.27* | |
| | | *For Elevated Installation >25' To 30', Add* | *74.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *85.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *106.53* | |
| | | *For Elevated Installation >40', Add* | *117.18* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *63.92* | |

## 26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0361 | EA | 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector | 28.94 | 9.21 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| 26 05 33 13-0362 | EA | 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector | 32.32 | 10.13 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| 26 05 33 13-0363 | EA | 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector | 37.11 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.84* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0364 | EA | 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector | 42.07 | 12.44 |
| | | *For Work In Restricted Working Space, Add* | *9.33* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.11* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.78* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.89* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *15.55* | |
| | | *For Elevated Installation >40', Add* | *17.11* | |
| 26 05 33 13-0365 | EA | 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector | 49.84 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| 26 05 33 13-0366 | EA | 2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector | 60.61 | 15.21 |
| | | *For Work In Restricted Working Space, Add* | *11.40* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.80* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.60* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.50* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.30* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.01* | |
| | | *For Elevated Installation >40', Add* | *20.91* | |
| 26 05 33 13-0367 | EA | 2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector | 82.29 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| 26 05 33 13-0368 | EA | 3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector | 101.78 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| 26 05 33 13-0369 | EA | 3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector | 122.28 | 27.65 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| 26 05 33 13-0370 | EA | 4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector | 138.00 | 29.94 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.95* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.44* | |
| | | *For Elevated Installation >40', Add* | *41.18* | |

## 26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0372 | EA | 1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs | 25.61 | 10.37 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.22* | |
| 26 05 33 13-0373 | EA | 3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs | 28.55 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.91* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0374 | EA | 1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs | 35.25 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0375 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs | 43.33 | 17.27 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.37* | |
| 26 05 33 13-0376 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs | 55.72 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.82* | |
| 26 05 33 13-0377 | EA | 2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs | 64.72 | 25.91 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.55* | |
| 26 05 33 13-0378 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs | 79.48 | 28.79 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |
| 26 05 33 13-0379 | EA | 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs | 106.89 | 36.28 |
| | | *For Work In Restricted Working Space, Add* | *21.77* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.26* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.51* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.14* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.40* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.03* | |
| | | *For Elevated Installation >35' To 40', Add* | *36.29* | |
| | | *For Elevated Installation >40', Add* | *39.91* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.77* | |
| 26 05 33 13-0380 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs | 126.93 | 43.77 |
| | | *For Work In Restricted Working Space, Add* | *26.26* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.75* | |
| | | *For Elevated Installation >15' To 20', Add* | *17.51* | |
| | | *For Elevated Installation >20' To 25', Add* | *21.88* | |
| | | *For Elevated Installation >25' To 30', Add* | *30.64* | |
| | | *For Elevated Installation >30' To 35', Add* | *35.01* | |
| | | *For Elevated Installation >35' To 40', Add* | *43.77* | |
| | | *For Elevated Installation >40', Add* | *48.14* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *26.26* | |
| 26 05 33 13-0381 | EA | 4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs | 155.61 | 51.83 |
| | | *For Work In Restricted Working Space, Add* | *31.10* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.37* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.73* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.92* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.28* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.46* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.83* | |
| | | *For Elevated Installation >40', Add* | *57.01* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *31.10* | |

26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0060)*
Note: Type AX


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0383 | EA | 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement | 121.95 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| 26 05 33 13-0384 | EA | 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement | 138.44 | 20.73 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| 26 05 33 13-0385 | EA | 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement | 164.15 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.68* | |
| 26 05 33 13-0386 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement | 201.36 | 25.34 |
| | | *For Work In Restricted Working Space, Add* | *19.01* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.68* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| 26 05 33 13-0387 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement | 253.55 | 27.65 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| 26 05 33 13-0388 | EA | 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement | 351.51 | 29.94 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| 26 05 33 13-0389 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement | 539.36 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| 26 05 33 13-0390 | EA | 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement | 691.18 | 46.07 |
| | | *For Work In Restricted Working Space, Add* | *34.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.80* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.59* | |
| | | *For Elevated Installation >40', Add* | *63.35* | |
| 26 05 33 13-0391 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement | 1,010.49 | 55.29 |
| | | *For Work In Restricted Working Space, Add* | *41.47* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.82* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.65* | |
| | | *For Elevated Installation >20' To 25', Add* | *34.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *48.38* | |
| | | *For Elevated Installation >30' To 35', Add* | *55.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *69.12* | |
| | | *For Elevated Installation >40', Add* | *76.03* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0392 | EA | 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement | 1,077.05 | 59.90 |
| | | *For Work In Restricted Working Space, Add* | *44.92* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.97* | |
| | | *For Elevated Installation >15' To 20', Add* | *29.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *37.43* | |
| | | *For Elevated Installation >25' To 30', Add* | *52.40* | |
| | | *For Elevated Installation >30' To 35', Add* | *59.89* | |
| | | *For Elevated Installation >35' To 40', Add* | *74.86* | |
| | | *For Elevated Installation >40', Add* | *82.35* | |
| 26 05 33 13-0393 | EA | 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement | 1,651.93 | 73.71 |
| | | *For Work In Restricted Working Space, Add* | *55.29* | |
| | | *For Elevated Installation >10' To 15', Add* | *18.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *36.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *46.07* | |
| | | *For Elevated Installation >25' To 30', Add* | *64.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *73.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *92.15* | |
| | | *For Elevated Installation >40', Add* | *101.36* | |
| 26 05 33 13-0394 | EA | 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement | 2,030.34 | 81.78 |
| | | *For Work In Restricted Working Space, Add* | *61.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.14* | |
| | | *For Elevated Installation >25' To 30', Add* | *71.60* | |
| | | *For Elevated Installation >30' To 35', Add* | *81.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *102.28* | |
| | | *For Elevated Installation >40', Add* | *112.51* | |

## 26 05 33 13-0395 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX-8

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0396 | EA | 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement | 134.63 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| 26 05 33 13-0397 | EA | 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement | 149.67 | 20.73 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| 26 05 33 13-0398 | EA | 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement | 181.78 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.68* | |
| 26 05 33 13-0399 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement | 229.13 | 25.34 |
| | | *For Work In Restricted Working Space, Add* | *19.01* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.68* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| 26 05 33 13-0400 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement | 308.73 | 27.65 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| 26 05 33 13-0401 | EA | 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement | 377.88 | 29.94 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0402 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement | 710.29 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| 26 05 33 13-0403 | EA | 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement | 807.90 | 46.07 |
| | | *For Work In Restricted Working Space, Add* | *34.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.80* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.59* | |
| | | *For Elevated Installation >40', Add* | *63.35* | |
| 26 05 33 13-0404 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement | 1,241.15 | 55.29 |
| | | *For Work In Restricted Working Space, Add* | *41.47* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.82* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.65* | |
| | | *For Elevated Installation >20' To 25', Add* | *34.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *48.38* | |
| | | *For Elevated Installation >30' To 35', Add* | *55.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *69.12* | |
| | | *For Elevated Installation >40', Add* | *76.03* | |
| 26 05 33 13-0405 | EA | 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement | 1,343.65 | 59.90 |
| | | *For Work In Restricted Working Space, Add* | *44.92* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.97* | |
| | | *For Elevated Installation >15' To 20', Add* | *29.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *37.43* | |
| | | *For Elevated Installation >25' To 30', Add* | *52.40* | |
| | | *For Elevated Installation >30' To 35', Add* | *59.89* | |
| | | *For Elevated Installation >35' To 40', Add* | *74.86* | |
| | | *For Elevated Installation >40', Add* | *82.35* | |
| 26 05 33 13-0406 | EA | 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement | 1,876.66 | 73.71 |
| | | *For Work In Restricted Working Space, Add* | *55.29* | |
| | | *For Elevated Installation >10' To 15', Add* | *18.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *36.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *46.07* | |
| | | *For Elevated Installation >25' To 30', Add* | *64.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *73.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *92.15* | |
| | | *For Elevated Installation >40', Add* | *101.36* | |
| 26 05 33 13-0407 | EA | 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement | 2,319.47 | 81.78 |
| | | *For Work In Restricted Working Space, Add* | *61.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.14* | |
| | | *For Elevated Installation >25' To 30', Add* | *71.60* | |
| | | *For Elevated Installation >30' To 35', Add* | *81.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *102.28* | |
| | | *For Elevated Installation >40', Add* | *112.51* | |

### 26 05 33 13-0408 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type EX

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0409 | EA | 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement | 153.19 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| 26 05 33 13-0410 | EA | 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement | 193.44 | 20.73 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| 26 05 33 13-0411 | EA | 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement | 240.90 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.68* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0412 | EA | 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement | 293.15 | 25.34 |
| | | *For Work In Restricted Working Space, Add* | *19.01* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.68* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| 26 05 33 13-0413 | EA | 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement | 395.41 | 27.65 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| 26 05 33 13-0414 | EA | 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement | 545.39 | 29.94 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| 26 05 33 13-0415 | EA | 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement | 848.20 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| 26 05 33 13-0416 | EA | 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement | 1,143.69 | 46.07 |
| | | *For Work In Restricted Working Space, Add* | *34.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.80* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.59* | |
| | | *For Elevated Installation >40', Add* | *63.35* | |
| 26 05 33 13-0417 | EA | 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement | 1,718.75 | 55.29 |
| | | *For Work In Restricted Working Space, Add* | *41.47* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.82* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.65* | |
| | | *For Elevated Installation >20' To 25', Add* | *34.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *48.38* | |
| | | *For Elevated Installation >30' To 35', Add* | *55.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *69.12* | |
| | | *For Elevated Installation >40', Add* | *76.03* | |
| 26 05 33 13-0418 | EA | 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement | 1,778.68 | 59.90 |
| | | *For Work In Restricted Working Space, Add* | *44.92* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.97* | |
| | | *For Elevated Installation >15' To 20', Add* | *29.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *37.43* | |
| | | *For Elevated Installation >25' To 30', Add* | *52.40* | |
| | | *For Elevated Installation >30' To 35', Add* | *59.89* | |
| | | *For Elevated Installation >35' To 40', Add* | *74.86* | |
| | | *For Elevated Installation >40', Add* | *82.35* | |
| 26 05 33 13-0419 | EA | 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement | 2,678.56 | 73.71 |
| | | *For Work In Restricted Working Space, Add* | *55.29* | |
| | | *For Elevated Installation >10' To 15', Add* | *18.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *36.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *46.07* | |
| | | *For Elevated Installation >25' To 30', Add* | *64.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *73.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *92.15* | |
| | | *For Elevated Installation >40', Add* | *101.36* | |
| 26 05 33 13-0420 | EA | 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement | 3,321.59 | 81.78 |
| | | *For Work In Restricted Working Space, Add* | *61.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.14* | |
| | | *For Elevated Installation >25' To 30', Add* | *71.60* | |
| | | *For Elevated Installation >30' To 35', Add* | *81.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *102.28* | |
| | | *For Elevated Installation >40', Add* | *112.51* | |

26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0060)*
Note: Type DX


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0422 | EA | 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting | 267.66 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| 26 05 33 13-0423 | EA | 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting | 318.97 | 20.73 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| 26 05 33 13-0424 | EA | 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting | 385.77 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.68* | |
| 26 05 33 13-0425 | EA | 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting | 453.66 | 25.34 |
| | | *For Work In Restricted Working Space, Add* | *19.01* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.68* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| 26 05 33 13-0426 | EA | 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting | 501.72 | 27.65 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| 26 05 33 13-0427 | EA | 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting | 620.46 | 29.94 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| 26 05 33 13-0428 | EA | 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting | 820.33 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| 26 05 33 13-0429 | EA | 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting | 1,040.41 | 46.07 |
| | | *For Work In Restricted Working Space, Add* | *34.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.80* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.59* | |
| | | *For Elevated Installation >40', Add* | *63.35* | |
| 26 05 33 13-0430 | EA | 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting | 1,170.34 | 55.29 |
| | | *For Work In Restricted Working Space, Add* | *41.47* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.82* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.65* | |
| | | *For Elevated Installation >20' To 25', Add* | *34.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *48.38* | |
| | | *For Elevated Installation >30' To 35', Add* | *55.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *69.12* | |
| | | *For Elevated Installation >40', Add* | *76.03* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0431 | EA | 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting | 1,419.84 | 59.90 |
| | | *For Work In Restricted Working Space, Add* | *44.92* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.97* | |
| | | *For Elevated Installation >15' To 20', Add* | *29.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *37.43* | |
| | | *For Elevated Installation >25' To 30', Add* | *52.40* | |
| | | *For Elevated Installation >30' To 35', Add* | *59.89* | |
| | | *For Elevated Installation >35' To 40', Add* | *74.86* | |
| | | *For Elevated Installation >40', Add* | *82.35* | |
| 26 05 33 13-0432 | EA | 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting | 2,431.11 | 73.71 |
| | | *For Work In Restricted Working Space, Add* | *55.29* | |
| | | *For Elevated Installation >10' To 15', Add* | *18.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *36.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *46.07* | |
| | | *For Elevated Installation >25' To 30', Add* | *64.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *73.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *92.15* | |
| | | *For Elevated Installation >40', Add* | *101.36* | |
| 26 05 33 13-0433 | EA | 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting | 3,868.81 | 81.78 |
| | | *For Work In Restricted Working Space, Add* | *61.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.14* | |
| | | *For Elevated Installation >25' To 30', Add* | *71.60* | |
| | | *For Elevated Installation >30' To 35', Add* | *81.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *102.28* | |
| | | *For Elevated Installation >40', Add* | *112.51* | |

## 26 05 33 13-0434 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0435 | EA | 1/2" To 3/4" Conduit, 14" Bonding Jumper | 68.72 | 9.21 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| 26 05 33 13-0436 | EA | 1" To 1-1/4" Conduit, 14" Bonding Jumper | 79.10 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.84* | |
| 26 05 33 13-0437 | EA | 1-1/2" To 2" Conduit, 14" Bonding Jumper | 97.54 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| 26 05 33 13-0438 | EA | 2-1/2" To 3" Conduit, 14" Bonding Jumper | 137.10 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| 26 05 33 13-0439 | EA | 3-1/2" To 4" Conduit, 14" Bonding Jumper | 207.74 | 27.65 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| 26 05 33 13-0440 | EA | 5" To 6" Conduit, 14" Bonding Jumper | 355.53 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0441 | EA | 1/2" To 3/4" Conduit, 24" Bonding Jumper | 76.55 | 9.21 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| 26 05 33 13-0442 | EA | 1" To 1-1/4" Conduit, 24" Bonding Jumper | 88.99 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.84* | |
| 26 05 33 13-0443 | EA | 1-1/2" To 2" Conduit, 24" Bonding Jumper | 106.60 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| 26 05 33 13-0444 | EA | 2-1/2" To 3" Conduit, 24" Bonding Jumper | 149.12 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| 26 05 33 13-0445 | EA | 3-1/2" To 4" Conduit, 24" Bonding Jumper | 223.69 | 27.65 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| 26 05 33 13-0446 | EA | 5" To 6" Conduit, 24" Bonding Jumper | 406.96 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |

## 26 05 33 13-0447 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0448 | EA | 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal | 98.51 | 28.79 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |
| 26 05 33 13-0449 | EA | 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal | 117.16 | 34.55 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.73* | |
| 26 05 33 13-0450 | EA | 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal | 142.39 | 40.31 |
| | | *For Work In Restricted Working Space, Add* | *24.19* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.16* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *40.32* | |
| | | *For Elevated Installation >40', Add* | *44.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.19* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0451 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal | 167.14 | 46.07 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.64* | |
| 26 05 33 13-0452 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal | 216.57 | 51.83 |
| | | *For Work In Restricted Working Space, Add* | *31.10* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.37* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.73* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.92* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.28* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.46* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.83* | |
| | | *For Elevated Installation >40', Add* | *57.01* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *31.10* | |
| 26 05 33 13-0453 | EA | 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal | 261.47 | 57.59 |
| | | *For Work In Restricted Working Space, Add* | *34.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.80* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.59* | |
| | | *For Elevated Installation >40', Add* | *63.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *34.55* | |
| 26 05 33 13-0454 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal | 365.51 | 69.11 |
| | | *For Work In Restricted Working Space, Add* | *41.47* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.82* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.64* | |
| | | *For Elevated Installation >20' To 25', Add* | *34.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *48.38* | |
| | | *For Elevated Installation >30' To 35', Add* | *55.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *69.11* | |
| | | *For Elevated Installation >40', Add* | *76.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.47* | |
| 26 05 33 13-0455 | EA | 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal | 438.90 | 80.63 |
| | | *For Work In Restricted Working Space, Add* | *48.38* | |
| | | *For Elevated Installation >10' To 15', Add* | *16.13* | |
| | | *For Elevated Installation >15' To 20', Add* | *32.25* | |
| | | *For Elevated Installation >20' To 25', Add* | *40.31* | |
| | | *For Elevated Installation >25' To 30', Add* | *56.44* | |
| | | *For Elevated Installation >30' To 35', Add* | *64.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *80.63* | |
| | | *For Elevated Installation >40', Add* | *88.69* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *48.38* | |
| 26 05 33 13-0456 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal | 985.04 | 92.14 |
| | | *For Work In Restricted Working Space, Add* | *55.29* | |
| | | *For Elevated Installation >10' To 15', Add* | *18.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *36.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *46.07* | |
| | | *For Elevated Installation >25' To 30', Add* | *64.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *73.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *92.15* | |
| | | *For Elevated Installation >40', Add* | *101.36* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *55.29* | |
| 26 05 33 13-0457 | EA | 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal | 1,134.08 | 103.66 |
| | | *For Work In Restricted Working Space, Add* | *62.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.67* | |
| | | *For Elevated Installation >40', Add* | *114.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *62.20* | |

## 26 05 33 13-0458 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0459 | EA | 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling | 15.27 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0460 | EA | 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling | 21.40 | 9.79 |
| | | *For Work In Restricted Working Space, Add* | *5.87* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.85* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.83* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.79* | |
| | | *For Elevated Installation >40', Add* | *10.77* | |
| 26 05 33 13-0461 | EA | 1" Rigid Galvanized Steel (RGS) Threaded Coupling | 28.11 | 12.67 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| 26 05 33 13-0462 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling | 32.29 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| 26 05 33 13-0463 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling | 38.93 | 17.27 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| 26 05 33 13-0464 | EA | 2" Rigid Galvanized Steel (RGS) Threaded Coupling | 45.70 | 19.58 |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.67* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.59* | |
| | | *For Elevated Installation >40', Add* | *21.54* | |
| 26 05 33 13-0465 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling | 58.43 | 21.88 |
| | | *For Work In Restricted Working Space, Add* | *13.13* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.51* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.89* | |
| | | *For Elevated Installation >40', Add* | *24.07* | |
| 26 05 33 13-0466 | EA | 3" Rigid Galvanized Steel (RGS) Threaded Coupling | 68.59 | 24.76 |
| | | *For Work In Restricted Working Space, Add* | *14.86* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.77* | |
| | | *For Elevated Installation >40', Add* | *27.24* | |
| 26 05 33 13-0467 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling | 79.88 | 27.07 |
| | | *For Work In Restricted Working Space, Add* | *16.24* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.07* | |
| | | *For Elevated Installation >40', Add* | *29.77* | |
| 26 05 33 13-0468 | EA | 4" Threaded Rigid Galvanized Steel (RGS) Coupling | 84.41 | 28.79 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |

### 26 05 33 13-0469 Rigid Galvanized Steel (RGS) Sealing Locknut *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0470 | EA | 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut | 3.59 | 1.15 |
| 26 05 33 13-0471 | EA | 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut | 4.94 | 1.72 |
| 26 05 33 13-0472 | EA | 1" Rigid Galvanized Steel (RGS) Sealing Locknut | 8.19 | 2.88 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0473 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut | 11.87 | 4.03 |
| 26 05 33 13-0474 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut | 14.24 | 4.61 |
| 26 05 33 13-0475 | EA | 2" Rigid Galvanized Steel (RGS) Sealing Locknut | 16.78 | 5.18 |
| **26 05 33 13-0476** | | **Rigid Galvanized Steel (RGS) Fire Stop Fittings** *(26 05 33 13-0060)* | | |
| 26 05 33 13-0477 | EA | 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting | 197.96 | 13.98 |
| | | *For Work In Restricted Working Space, Add* | *10.49* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.99* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.74* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.23* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.48* | |
| | | *For Elevated Installation >40', Add* | *19.22* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.49* | |
| 26 05 33 13-0478 | EA | 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting | 201.33 | 15.32 |
| | | *For Work In Restricted Working Space, Add* | *11.50* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.83* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.41* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.33* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.16* | |
| | | *For Elevated Installation >40', Add* | *21.08* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.50* | |
| 26 05 33 13-0479 | EA | 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting | 241.47 | 16.82 |
| | | *For Work In Restricted Working Space, Add* | *12.59* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.20* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.39* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.49* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.69* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.78* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.98* | |
| | | *For Elevated Installation >40', Add* | *23.08* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.59* | |
| 26 05 33 13-0480 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting | 265.08 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.06* | |
| | | *For Elevated Installation >40', Add* | *25.36* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.83* | |
| 26 05 33 13-0481 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting | 302.43 | 20.73 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.55* | |
| 26 05 33 13-0482 | EA | 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting | 446.90 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.29* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.41* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.05* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.81* | |
| | | *For Elevated Installation >40', Add* | *31.69* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.29* | |
| 26 05 33 13-0483 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting | 514.77 | 30.76 |
| | | *For Work In Restricted Working Space, Add* | *23.05* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.68* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.21* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.89* | |
| | | *For Elevated Installation >30' To 35', Add* | *30.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *38.42* | |
| | | *For Elevated Installation >40', Add* | *42.26* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.05* | |
| 26 05 33 13-0484 | EA | 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting | 571.03 | 33.75 |
| | | *For Work In Restricted Working Space, Add* | *25.33* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.44* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *21.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *29.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *33.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *42.22* | |
| | | *For Elevated Installation >40', Add* | *46.44* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *25.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0485 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting | 663.90 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.65* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.22* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.08* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.65* | |
| 26 05 33 13-0486 | EA | 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting | 748.40 | 41.46 |
| | | *For Work In Restricted Working Space, Add* | *31.10* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.37* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.73* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.92* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.28* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.46* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.83* | |
| | | *For Elevated Installation >40', Add* | *57.01* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *31.10* | |
| 26 05 33 13-0487 | EA | 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting | 1,003.22 | 46.07 |
| | | *For Work In Restricted Working Space, Add* | *34.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.80* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.59* | |
| | | *For Elevated Installation >40', Add* | *63.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *34.55* | |
| 26 05 33 13-0488 | EA | 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting | 1,247.03 | 51.13 |
| | | *For Work In Restricted Working Space, Add* | *38.36* | |
| | | *For Elevated Installation >10' To 15', Add* | *12.79* | |
| | | *For Elevated Installation >15' To 20', Add* | *25.57* | |
| | | *For Elevated Installation >20' To 25', Add* | *31.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *44.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *51.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *63.93* | |
| | | *For Elevated Installation >40', Add* | *70.32* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *38.36* | |

## 26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0490 | EA | 3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing | 18.84 | 8.92 |
| | | *For Work In Restricted Working Space, Add* | *5.36* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.79* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.57* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.93* | |
| | | *For Elevated Installation >40', Add* | *9.82* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.36* | |
| 26 05 33 13-0491 | EA | 1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing | 20.83 | 9.50 |
| | | *For Work In Restricted Working Space, Add* | *5.70* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.90* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.80* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.65* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.60* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.51* | |
| | | *For Elevated Installation >40', Add* | *10.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.70* | |
| 26 05 33 13-0492 | EA | 1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing | 21.40 | 9.79 |
| | | *For Work In Restricted Working Space, Add* | *5.87* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.85* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.83* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.79* | |
| | | *For Elevated Installation >40', Add* | *10.77* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.87* | |
| 26 05 33 13-0493 | EA | 1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing | 24.88 | 10.07 |
| | | *For Work In Restricted Working Space, Add* | *6.05* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.02* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.03* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.06* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.08* | |
| | | *For Elevated Installation >40', Add* | *11.09* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0494 | EA | 1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing | 25.45 | 10.37 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.22* | |
| 26 05 33 13-0495 | EA | 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing | 26.60 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-0496 | EA | 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing | 28.76 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.91* | |
| 26 05 33 13-0497 | EA | 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing | 29.33 | 11.81 |
| | | *For Work In Restricted Working Space, Add* | *7.08* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.36* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.72* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.81* | |
| | | *For Elevated Installation >40', Add* | *12.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.08* | |
| 26 05 33 13-0498 | EA | 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing | 30.48 | 12.38 |
| | | *For Work In Restricted Working Space, Add* | *7.43* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.48* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.95* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.38* | |
| | | *For Elevated Installation >40', Add* | *13.62* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.43* | |
| 26 05 33 13-0499 | EA | 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing | 31.63 | 12.96 |
| | | *For Work In Restricted Working Space, Add* | *7.77* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.07* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.96* | |
| | | *For Elevated Installation >40', Add* | *14.25* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.77* | |
| 26 05 33 13-0500 | EA | 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing | 38.47 | 12.96 |
| | | *For Work In Restricted Working Space, Add* | *7.77* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.07* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.96* | |
| | | *For Elevated Installation >40', Add* | *14.25* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.77* | |
| 26 05 33 13-0501 | EA | 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing | 39.05 | 13.24 |
| | | *For Work In Restricted Working Space, Add* | *7.95* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.65* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.60* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.25* | |
| | | *For Elevated Installation >40', Add* | *14.57* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.95* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0502 | EA | 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing | 40.21 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *8.30* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.77* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.53* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.91* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.68* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.06* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.83* | |
| | | *For Elevated Installation >40', Add* | *15.21* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.30* | |
| 26 05 33 13-0503 | EA | 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing | 41.35 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0504 | EA | 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing | 44.24 | 15.84 |
| | | *For Work In Restricted Working Space, Add* | *9.50* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.17* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.34* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.92* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.67* | |
| | | *For Elevated Installation >35' To 40', Add* | *15.84* | |
| | | *For Elevated Installation >40', Add* | *17.42* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.50* | |
| 26 05 33 13-0505 | EA | 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing | 56.04 | 18.72 |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |

## 26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0507 | EA | 1/2" Rigid Galvanized Steel (RGS) Locknuts | 2.40 | 1.15 |
| | | *For Work In Restricted Working Space, Add* | *0.69* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *0.46* | |
| | | *For Elevated Installation >20' To 25', Add* | *0.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *0.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *0.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *1.16* | |
| | | *For Elevated Installation >40', Add* | *1.27* | |
| 26 05 33 13-0508 | EA | 3/4" Rigid Galvanized Steel (RGS) Locknuts | 3.59 | 1.72 |
| | | *For Work In Restricted Working Space, Add* | *1.04* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.35* | |
| | | *For Elevated Installation >15' To 20', Add* | *0.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *0.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *1.21* | |
| | | *For Elevated Installation >30' To 35', Add* | *1.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *1.73* | |
| | | *For Elevated Installation >40', Add* | *1.90* | |
| 26 05 33 13-0509 | EA | 1" Rigid Galvanized Steel (RGS) Locknuts | 5.96 | 2.88 |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.58* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.44* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *2.88* | |
| | | *For Elevated Installation >40', Add* | *3.16* | |
| 26 05 33 13-0510 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Locknuts | 8.41 | 4.03 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.81* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.03* | |
| | | *For Elevated Installation >40', Add* | *4.43* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0511 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Locknuts | 9.66 | 4.61 |
| | | *For Work In Restricted Working Space, Add* | *2.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.84* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.30* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.68* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.61* | |
| | | *For Elevated Installation >40', Add* | *5.07* | |
| 26 05 33 13-0512 | EA | 2" Rigid Galvanized Steel (RGS) Locknuts | 10.93 | 5.18 |
| | | *For Work In Restricted Working Space, Add* | *3.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.19* | |
| | | *For Elevated Installation >40', Add* | *5.70* | |
| 26 05 33 13-0513 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Locknuts | 15.31 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |
| 26 05 33 13-0514 | EA | 3" Rigid Galvanized Steel (RGS) Locknuts | 18.91 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| 26 05 33 13-0515 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Locknuts | 22.31 | 9.79 |
| | | *For Work In Restricted Working Space, Add* | *5.87* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.85* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.83* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.79* | |
| | | *For Elevated Installation >40', Add* | *10.77* | |
| 26 05 33 13-0516 | EA | 4" Rigid Galvanized Steel (RGS) Locknuts | 25.02 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |

## 26 05 33 13-0517 Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0518 | EA | 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts | 3.67 | 1.15 |
| | | *For Work In Restricted Working Space, Add* | *0.69* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *0.46* | |
| | | *For Elevated Installation >20' To 25', Add* | *0.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *0.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *0.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *1.16* | |
| | | *For Elevated Installation >40', Add* | *1.27* | |
| 26 05 33 13-0519 | EA | 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts | 5.09 | 1.72 |
| | | *For Work In Restricted Working Space, Add* | *1.04* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.35* | |
| | | *For Elevated Installation >15' To 20', Add* | *0.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *0.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *1.21* | |
| | | *For Elevated Installation >30' To 35', Add* | *1.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *1.73* | |
| | | *For Elevated Installation >40', Add* | *1.90* | |
| 26 05 33 13-0520 | EA | 1" Rigid Galvanized Steel (RGS) Grounding Locknuts | 8.09 | 2.88 |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.58* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.44* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *2.88* | |
| | | *For Elevated Installation >40', Add* | *3.16* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0521 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts | 11.31 | 4.03 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.81* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.03* | |
| | | *For Elevated Installation >40', Add* | *4.43* | |
| 26 05 33 13-0522 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts | 12.77 | 4.61 |
| | | *For Work In Restricted Working Space, Add* | *2.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.84* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.30* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.68* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.61* | |
| | | *For Elevated Installation >40', Add* | *5.07* | |
| 26 05 33 13-0523 | EA | 2" Rigid Galvanized Steel (RGS) Grounding Locknuts | 15.02 | 5.18 |
| | | *For Work In Restricted Working Space, Add* | *3.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.19* | |
| | | *For Elevated Installation >40', Add* | *5.70* | |
| 26 05 33 13-0524 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts | 22.45 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |
| 26 05 33 13-0525 | EA | 3" Rigid Galvanized Steel (RGS) Grounding Locknuts | 28.23 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| 26 05 33 13-0526 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts | 37.37 | 9.79 |
| | | *For Work In Restricted Working Space, Add* | *5.87* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.85* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.83* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.79* | |
| | | *For Elevated Installation >40', Add* | *10.77* | |
| 26 05 33 13-0527 | EA | 4" Rigid Galvanized Steel (RGS) Grounding Locknuts | 44.83 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |

## 26 05 33 13-0528 Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0529 | EA | 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing | 10.31 | 3.46 |
| | | *For Work In Restricted Working Space, Add* | *2.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.46* | |
| | | *For Elevated Installation >40', Add* | *3.80* | |
| 26 05 33 13-0530 | EA | 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing | 12.91 | 4.61 |
| | | *For Work In Restricted Working Space, Add* | *2.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.84* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.30* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.68* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.61* | |
| | | *For Elevated Installation >40', Add* | *5.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0531 | EA | 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing | 16.50 | 5.75 |
| | | *For Work In Restricted Working Space, Add* | *3.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.88* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.61* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.76* | |
| | | *For Elevated Installation >40', Add* | *6.34* | |
| 26 05 33 13-0532 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing | 23.98 | 9.21 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.84* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.68* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.45* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.37* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.21* | |
| | | *For Elevated Installation >40', Add* | *10.13* | |
| 26 05 33 13-0533 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing | 27.02 | 10.37 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |
| 26 05 33 13-0534 | EA | 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing | 30.75 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| 26 05 33 13-0535 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing | 42.55 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *8.30* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.77* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.53* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.91* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.68* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.06* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.83* | |
| | | *For Elevated Installation >40', Add* | *15.21* | |
| 26 05 33 13-0536 | EA | 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing | 51.62 | 17.27 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| 26 05 33 13-0537 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing | 63.70 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| 26 05 33 13-0538 | EA | 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing | 77.52 | 28.79 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |

### 26 05 33 13-0539 Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0540 | EA | 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors | 24.52 | 10.37 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0541 | EA | 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors | 29.15 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| 26 05 33 13-0542 | EA | 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors | 38.33 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| 26 05 33 13-0543 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors | 52.51 | 17.27 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| 26 05 33 13-0544 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors | 70.95 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| 26 05 33 13-0545 | EA | 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors | 105.32 | 28.79 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| 26 05 33 13-0546 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors | 179.21 | 34.55 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| 26 05 33 13-0547 | EA | 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors | 226.60 | 40.31 |
| | | *For Work In Restricted Working Space, Add* | *24.19* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.16* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *40.32* | |
| | | *For Elevated Installation >40', Add* | *44.35* | |
| 26 05 33 13-0548 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors | 288.66 | 48.95 |
| | | *For Work In Restricted Working Space, Add* | *29.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.79* | |
| | | *For Elevated Installation >15' To 20', Add* | *19.58* | |
| | | *For Elevated Installation >20' To 25', Add* | *24.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *34.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *39.16* | |
| | | *For Elevated Installation >35' To 40', Add* | *48.95* | |
| | | *For Elevated Installation >40', Add* | *53.85* | |
| 26 05 33 13-0549 | EA | 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors | 348.71 | 57.59 |
| | | *For Work In Restricted Working Space, Add* | *34.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.80* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.59* | |
| | | *For Elevated Installation >40', Add* | *63.35* | |

26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0060)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0551 | EA | 1/2" Rigid Galvanized Steel (RGS) Compression Coupling | 34.91 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| 26 05 33 13-0552 | EA | 3/4" Rigid Galvanized Steel (RGS) Compression Coupling | 44.37 | 17.27 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| 26 05 33 13-0553 | EA | 1" Rigid Galvanized Steel (RGS) Compression Coupling | 63.20 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| 26 05 33 13-0554 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling | 82.94 | 28.79 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| 26 05 33 13-0555 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling | 102.11 | 34.55 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| 26 05 33 13-0556 | EA | 2" Rigid Galvanized Steel (RGS) Compression Coupling | 152.81 | 40.31 |
| | | *For Work In Restricted Working Space, Add* | *24.19* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.16* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *40.32* | |
| | | *For Elevated Installation >40', Add* | *44.35* | |
| 26 05 33 13-0557 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling | 244.18 | 46.07 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| 26 05 33 13-0558 | EA | 3" Rigid Galvanized Steel (RGS) Compression Coupling | 280.91 | 39.74 |
| | | *For Work In Restricted Working Space, Add* | *23.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.74* | |
| | | *For Elevated Installation >40', Add* | *43.71* | |
| 26 05 33 13-0559 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling | 386.12 | 60.47 |
| | | *For Work In Restricted Working Space, Add* | *36.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *12.09* | |
| | | *For Elevated Installation >15' To 20', Add* | *24.19* | |
| | | *For Elevated Installation >20' To 25', Add* | *30.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *42.33* | |
| | | *For Elevated Installation >30' To 35', Add* | *48.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *60.47* | |
| | | *For Elevated Installation >40', Add* | *66.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0560 | EA | 4" Rigid Galvanized Steel (RGS) Compression Coupling | 477.53 | 69.11 |
| | | *For Work In Restricted Working Space, Add* | *41.47* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.82* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.64* | |
| | | *For Elevated Installation >20' To 25', Add* | *34.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *48.38* | |
| | | *For Elevated Installation >30' To 35', Add* | *55.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *69.11* | |
| | | *For Elevated Installation >40', Add* | *76.02* | |

## 26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0562 | EA | 1/2" Zinc Plated Steel Snap-in Knock Out Seal | 6.04 | 2.88 |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.58* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.44* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *2.88* | |
| | | *For Elevated Installation >40', Add* | *3.16* | |
| 26 05 33 13-0563 | EA | 3/4" Zinc Plated Steel Snap-in Knock Out Seal | 7.29 | 3.46 |
| | | *For Work In Restricted Working Space, Add* | *2.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.46* | |
| | | *For Elevated Installation >40', Add* | *3.80* | |
| 26 05 33 13-0564 | EA | 1" Zinc Plated Steel Snap-in Knock Out Seal | 8.66 | 4.03 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.81* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.03* | |
| | | *For Elevated Installation >40', Add* | *4.43* | |
| 26 05 33 13-0565 | EA | 1-1/4" Zinc Plated Steel Snap-in Knock Out Seal | 11.16 | 5.18 |
| | | *For Work In Restricted Working Space, Add* | *3.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.19* | |
| | | *For Elevated Installation >40', Add* | *5.70* | |
| 26 05 33 13-0566 | EA | 1-1/2" Zinc Plated Steel Snap-in Knock Out Seal | 12.62 | 5.75 |
| | | *For Work In Restricted Working Space, Add* | *3.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.88* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.61* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.76* | |
| | | *For Elevated Installation >40', Add* | *6.34* | |
| 26 05 33 13-0567 | EA | 2" Zinc Plated Steel Snap-in Knock Out Seal | 15.36 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |

## 26 05 33 13-0568 Zinc Plated Steel 3-Piece Knock Out Seal *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0569 | EA | 1/2" Zinc Plated Steel 3-Piece Knock Out Seal | 7.48 | 2.88 |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.58* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.44* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *2.88* | |
| | | *For Elevated Installation >40', Add* | *3.16* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0570 | EA | 3/4" Zinc Plated Steel 3-Piece Knock Out Seal | 8.92 | 3.46 |
| | | *For Work In Restricted Working Space, Add* | *2.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.46* | |
| | | *For Elevated Installation >40', Add* | *3.80* | |
| 26 05 33 13-0571 | EA | 1" Zinc Plated Steel 3-Piece Knock Out Seal | 10.84 | 4.03 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.81* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.03* | |
| | | *For Elevated Installation >40', Add* | *4.43* | |
| 26 05 33 13-0572 | EA | 1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal | 13.94 | 5.18 |
| | | *For Work In Restricted Working Space, Add* | *3.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.19* | |
| | | *For Elevated Installation >40', Add* | *5.70* | |
| 26 05 33 13-0573 | EA | 1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal | 17.22 | 5.75 |
| | | *For Work In Restricted Working Space, Add* | *3.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.88* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.61* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.76* | |
| | | *For Elevated Installation >40', Add* | *6.34* | |
| 26 05 33 13-0574 | EA | 2" Zinc Plated Steel 3-Piece Knock Out Seal | 20.83 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |
| 26 05 33 13-0575 | EA | 2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal | 25.53 | 8.64 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| 26 05 33 13-0576 | EA | 3" Zinc Plated Steel 3-Piece Knock Out Seal | 29.89 | 9.79 |
| | | *For Work In Restricted Working Space, Add* | *5.87* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.85* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.83* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.79* | |
| | | *For Elevated Installation >40', Add* | *10.77* | |
| 26 05 33 13-0577 | EA | 3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal | 36.40 | 10.95 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| 26 05 33 13-0578 | EA | 4" Zinc Plated Steel 3-Piece Knock Out Seal | 42.82 | 12.09 |
| | | *For Work In Restricted Working Space, Add* | *7.26* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.42* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.84* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.05* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.47* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.68* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.10* | |
| | | *For Elevated Installation >40', Add* | *13.30* | |

26 05 33 13-0579 Rigid Galvanized Steel (RGS) Chase Nipples *(26 05 33 13-0060)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0580 | EA | 1/2" Rigid Galvanized Steel (RGS) Chase Nipple | 14.26 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.15* | |
| 26 05 33 13-0581 | EA | 3/4" Rigid Galvanized Steel (RGS) Chase Nipple | 16.87 | 8.06 |
| | | *For Work In Restricted Working Space, Add* | *4.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.23* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.03* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.65* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.45* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.07* | |
| | | *For Elevated Installation >40', Add* | *8.87* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.84* | |
| 26 05 33 13-0582 | EA | 1" Rigid Galvanized Steel (RGS) Chase Nipple | 21.19 | 9.79 |
| | | *For Work In Restricted Working Space, Add* | *5.87* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.85* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.83* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.79* | |
| | | *For Elevated Installation >40', Add* | *10.77* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.87* | |
| 26 05 33 13-0583 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple | 25.84 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.91* | |
| 26 05 33 13-0584 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple | 32.39 | 14.40 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0585 | EA | 2" Rigid Galvanized Steel (RGS) Chase Nipple | 40.40 | 17.27 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.37* | |
| 26 05 33 13-0586 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple | 51.43 | 20.16 |
| | | *For Work In Restricted Working Space, Add* | *12.09* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.08* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.11* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.16* | |
| | | *For Elevated Installation >40', Add* | *22.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.09* | |
| 26 05 33 13-0587 | EA | 3" Rigid Galvanized Steel (RGS) Chase Nipple | 57.48 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0588 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple | 72.00 | 25.91 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.55* | |
| 26 05 33 13-0589 | EA | 4" Rigid Galvanized Steel (RGS) Chase Nipple | 99.85 | 28.79 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |

## 26 05 33 13-0590 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0060)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0591 | EA | 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow | 28.40 | 10.37 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |
| 26 05 33 13-0592 | EA | 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow | 32.99 | 12.09 |
| | | *For Work In Restricted Working Space, Add* | *7.26* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.42* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.84* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.05* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.47* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.68* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.10* | |
| | | *For Elevated Installation >40', Add* | *13.30* | |
| 26 05 33 13-0593 | EA | 1" Rigid Galvanized Steel (RGS) Pulling Elbow | 42.26 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *8.30* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.77* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.53* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.91* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.68* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.06* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.83* | |
| | | *For Elevated Installation >40', Add* | *15.21* | |
| 26 05 33 13-0594 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow | 54.22 | 17.27 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| 26 05 33 13-0595 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow | 72.69 | 20.73 |
| | | *For Work In Restricted Working Space, Add* | *12.44* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.29* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.37* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.51* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.58* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.73* | |
| | | *For Elevated Installation >40', Add* | *22.80* | |
| 26 05 33 13-0596 | EA | 2" Rigid Galvanized Steel (RGS) Pulling Elbow | 97.81 | 24.19 |
| | | *For Work In Restricted Working Space, Add* | *14.51* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.84* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.68* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.19* | |
| | | *For Elevated Installation >40', Add* | *26.61* | |
| 26 05 33 13-0597 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow | 136.89 | 27.65 |
| | | *For Work In Restricted Working Space, Add* | *16.59* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.82* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.35* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.65* | |
| | | *For Elevated Installation >40', Add* | *30.41* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0598 | EA | 3" Rigid Galvanized Steel (RGS) Pulling Elbow | 241.97 | 34.55 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |

## 26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

## 26 05 33 13-0600 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0599)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0601 | LF | 1/2" Electrical Metallic Tubing (EMT) Conduit | 5.95 | 2.08 |
| | | *For >250 To 500, Deduct* | *-0.04* | |
| | | *For >500 To 1,000, Deduct* | *-0.32* | |
| | | *For >1,000, Deduct* | *-0.47* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.52* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.30* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.78* | |
| | | *For Work In Restricted Working Space, Add* | *1.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.30* | |
| | | *For Elevated Installation >25' To 30', Add* | *1.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *2.59* | |
| | | *For Elevated Installation >40', Add* | *2.85* | |
| | | *For Factory Applied Color Coating, Add* | *0.23* | |
| 26 05 33 13-0602 | LF | 3/4" Electrical Metallic Tubing (EMT) Conduit | 6.96 | 2.31 |
| | | *For >250 To 500, Deduct* | *-0.06* | |
| | | *For >500 To 1,000, Deduct* | *-0.38* | |
| | | *For >1,000, Deduct* | *-0.55* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.58* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.44* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.86* | |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.58* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.44* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *2.88* | |
| | | *For Elevated Installation >40', Add* | *3.16* | |
| | | *For Factory Applied Color Coating, Add* | *0.36* | |
| 26 05 33 13-0603 | LF | 1" Electrical Metallic Tubing (EMT) Conduit | 8.35 | 2.54 |
| | | *For >250 To 500, Deduct* | *-0.10* | |
| | | *For >500 To 1,000, Deduct* | *-0.47* | |
| | | *For >1,000, Deduct* | *-0.68* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.63* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.59* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.95* | |
| | | *For Work In Restricted Working Space, Add* | *1.90* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.63* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.27* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.54* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.17* | |
| | | *For Elevated Installation >40', Add* | *3.49* | |
| | | *For Factory Applied Color Coating, Add* | *0.60* | |
| 26 05 33 13-0604 | LF | 1-1/4" Electrical Metallic Tubing (EMT) Conduit | 10.32 | 2.86 |
| | | *For >250 To 500, Deduct* | *-0.16* | |
| | | *For >500 To 1,000, Deduct* | *-0.60* | |
| | | *For >1,000, Deduct* | *-0.85* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.71* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.79* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.07* | |
| | | *For Work In Restricted Working Space, Add* | *2.14* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.71* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.57* | |
| | | *For Elevated Installation >40', Add* | *3.93* | |
| | | *For Factory Applied Color Coating, Add* | *0.95* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0605 | LF | 1-1/2" Electrical Metallic Tubing (EMT) Conduit | 12.01 | 3.23 |
| | | *For >250 To 500, Deduct* | *-0.20* | |
| | | *For >500 To 1,000, Deduct* | *-0.70* | |
| | | *For >1,000, Deduct* | *-1.00* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.81* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *2.02* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.21* | |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.81* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.03* | |
| | | *For Elevated Installation >40', Add* | *4.43* | |
| | | *For Factory Applied Color Coating, Add* | *1.19* | |
| 26 05 33 13-0606 | LF | 2" Electrical Metallic Tubing (EMT) Conduit | 13.90 | 3.69 |
| | | *For >250 To 500, Deduct* | *-0.23* | |
| | | *For >500 To 1,000, Deduct* | *-0.81* | |
| | | *For >1,000, Deduct* | *-1.16* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.92* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *2.30* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.38* | |
| | | *For Work In Restricted Working Space, Add* | *2.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.84* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.30* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.68* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.61* | |
| | | *For Elevated Installation >40', Add* | *5.07* | |
| | | *For Factory Applied Color Coating, Add* | *1.41* | |
| 26 05 33 13-0607 | LF | 2-1/2" Electrical Metallic Tubing (EMT) Conduit | 17.89 | 4.38 |
| | | *For >250 To 500, Deduct* | *-0.35* | |
| | | *For >500 To 1,000, Deduct* | *-1.07* | |
| | | *For >1,000, Deduct* | *-1.52* | |
| | | *For Installation In Metal Stud Wall, Add* | *1.10* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *2.74* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.64* | |
| | | *For Work In Restricted Working Space, Add* | *3.29* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.10* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.19* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.74* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.83* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.48* | |
| | | *For Elevated Installation >40', Add* | *6.02* | |
| | | *For Factory Applied Color Coating, Add* | *2.08* | |
| 26 05 33 13-0608 | LF | 3" Electrical Metallic Tubing (EMT) Conduit | 21.36 | 5.07 |
| | | *For >250 To 500, Deduct* | *-0.43* | |
| | | *For >500 To 1,000, Deduct* | *-1.29* | |
| | | *For >1,000, Deduct* | *-1.82* | |
| | | *For Installation In Metal Stud Wall, Add* | *1.27* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *3.17* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.90* | |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.27* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.53* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.43* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.34* | |
| | | *For Elevated Installation >40', Add* | *6.97* | |
| | | *For Factory Applied Color Coating, Add* | *2.61* | |
| 26 05 33 13-0609 | LF | 3-1/2" Electrical Metallic Tubing (EMT) Conduit | 26.59 | 5.98 |
| | | *For >250 To 500, Deduct* | *-0.58* | |
| | | *For >500 To 1,000, Deduct* | *-1.62* | |
| | | *For >1,000, Deduct* | *-2.28* | |
| | | *For Installation In Metal Stud Wall, Add* | *1.50* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *3.75* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *2.25* | |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Factory Applied Color Coating, Add* | *3.48* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0610 | LF | 4" Electrical Metallic Tubing (EMT) Conduit | 35.39 | 8.92 |
| | | *For >250 To 500, Deduct* | *-0.65* | |
| | | *For >500 To 1,000, Deduct* | *-2.10* | |
| | | *For >1,000, Deduct* | *-2.98* | |
| | | *For Installation In Metal Stud Wall, Add* | *2.23* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *5.58* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *3.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.69* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.46* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.15* | |
| | | *For Elevated Installation >40', Add* | *12.27* | |
| | | *For Factory Applied Color Coating, Add* | *3.93* | |

## 26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0612 | EA | 1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow | 14.90 | 5.07 |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.27* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.53* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.43* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.34* | |
| | | *For Elevated Installation >40', Add* | *6.97* | |
| 26 05 33 13-0613 | EA | 3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow | 15.80 | 5.53 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |
| 26 05 33 13-0614 | EA | 1" Electrical Metallic Tubing (EMT) 90 Degree Elbow | 19.25 | 6.45 |
| | | *For Work In Restricted Working Space, Add* | *4.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.23* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.03* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.65* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.45* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.07* | |
| | | *For Elevated Installation >40', Add* | *8.87* | |
| 26 05 33 13-0615 | EA | 1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow | 21.16 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.46* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.05* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| 26 05 33 13-0616 | EA | 1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow | 25.09 | 8.29 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |
| 26 05 33 13-0617 | EA | 2" Electrical Metallic Tubing (EMT) 90 Degree Elbow | 32.93 | 10.60 |
| | | *For Work In Restricted Working Space, Add* | *7.95* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.65* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.60* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.25* | |
| | | *For Elevated Installation >40', Add* | *14.57* | |
| 26 05 33 13-0618 | EA | 2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow | 44.17 | 11.98 |
| | | *For Work In Restricted Working Space, Add* | *8.98* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.99* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.99* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.49* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.48* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.97* | |
| | | *For Elevated Installation >40', Add* | *16.47* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0619 | EA | 3" Electrical Metallic Tubing (EMT) 90 Degree Elbow | 56.38 | 13.36 |
| | | *For Work In Restricted Working Space, Add* | *10.02* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.68* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.35* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.69* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.70* | |
| | | *For Elevated Installation >40', Add* | *18.37* | |
| 26 05 33 13-0620 | EA | 3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow | 64.05 | 14.75 |
| | | *For Work In Restricted Working Space, Add* | *11.06* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.22* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.90* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.43* | |
| | | *For Elevated Installation >40', Add* | *20.27* | |
| 26 05 33 13-0621 | EA | 4" Electrical Metallic Tubing (EMT) 90 Degree Elbow | 134.52 | 39.03 |
| | | *For Work In Restricted Working Space, Add* | *29.27* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *19.51* | |
| | | *For Elevated Installation >20' To 25', Add* | *24.39* | |
| | | *For Elevated Installation >25' To 30', Add* | *34.15* | |
| | | *For Elevated Installation >30' To 35', Add* | *39.03* | |
| | | *For Elevated Installation >35' To 40', Add* | *48.79* | |
| | | *For Elevated Installation >40', Add* | *53.66* | |

## 26 05 33 13-0622 Electrical Metallic Tubing (EMT) 45 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0623 | EA | 1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow | 14.66 | 5.07 |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.27* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.53* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.43* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.34* | |
| | | *For Elevated Installation >40', Add* | *6.97* | |
| 26 05 33 13-0624 | EA | 3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow | 15.94 | 5.53 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |
| 26 05 33 13-0625 | EA | 1" Electrical Metallic Tubing (EMT) 45 Degree Elbow | 19.56 | 6.45 |
| | | *For Work In Restricted Working Space, Add* | *4.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.23* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.03* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.65* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.45* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.07* | |
| | | *For Elevated Installation >40', Add* | *8.87* | |
| 26 05 33 13-0626 | EA | 1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow | 21.75 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.46* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.05* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| 26 05 33 13-0627 | EA | 1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow | 25.84 | 8.29 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |
| 26 05 33 13-0628 | EA | 2" Electrical Metallic Tubing (EMT) 45 Degree Elbow | 32.69 | 10.60 |
| | | *For Work In Restricted Working Space, Add* | *7.95* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.65* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.60* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.25* | |
| | | *For Elevated Installation >40', Add* | *14.57* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0629 | EA | 2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow | 46.35 | 11.98 |
| | | *For Work In Restricted Working Space, Add* | *8.98* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.99* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.99* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.49* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.48* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.97* | |
| | | *For Elevated Installation >40', Add* | *16.47* | |
| 26 05 33 13-0630 | EA | 3" Electrical Metallic Tubing (EMT) 45 Degree Elbow | 58.11 | 13.36 |
| | | *For Work In Restricted Working Space, Add* | *10.02* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.68* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.35* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.69* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.70* | |
| | | *For Elevated Installation >40', Add* | *18.37* | |
| 26 05 33 13-0631 | EA | 3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow | 68.74 | 14.75 |
| | | *For Work In Restricted Working Space, Add* | *11.06* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.22* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.90* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.43* | |
| | | *For Elevated Installation >40', Add* | *20.27* | |
| 26 05 33 13-0632 | EA | 4" Electrical Metallic Tubing (EMT) 45 Degree Elbow | 131.23 | 39.03 |
| | | *For Work In Restricted Working Space, Add* | *29.27* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *19.51* | |
| | | *For Elevated Installation >20' To 25', Add* | *24.39* | |
| | | *For Elevated Installation >25' To 30', Add* | *34.15* | |
| | | *For Elevated Installation >30' To 35', Add* | *39.03* | |
| | | *For Elevated Installation >35' To 40', Add* | *48.79* | |
| | | *For Elevated Installation >40', Add* | *53.66* | |

## 26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0599)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0634 | EA | 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling | 6.01 | 2.77 |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.58* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.44* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *2.88* | |
| | | *For Elevated Installation >40', Add* | *3.16* | |
| 26 05 33 13-0635 | EA | 3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling | 7.29 | 2.77 |
| | | *For Work In Restricted Working Space, Add* | *2.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.46* | |
| | | *For Elevated Installation >40', Add* | *3.80* | |
| 26 05 33 13-0636 | EA | 1" Electrical Metallic Tubing (EMT) Set Screw Coupling | 8.64 | 3.23 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.81* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.03* | |
| | | *For Elevated Installation >40', Add* | *4.43* | |
| 26 05 33 13-0637 | EA | 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling | 11.63 | 4.15 |
| | | *For Work In Restricted Working Space, Add* | *3.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.19* | |
| | | *For Elevated Installation >40', Add* | *5.70* | |
| 26 05 33 13-0638 | EA | 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling | 14.33 | 5.07 |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.27* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.53* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.43* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.34* | |
| | | *For Elevated Installation >40', Add* | *6.97* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0639 | EA | 2" Electrical Metallic Tubing (EMT) Set Screw Coupling | 19.48 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| 26 05 33 13-0640 | EA | 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling | 26.91 | 9.21 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| 26 05 33 13-0641 | EA | 3" Electrical Metallic Tubing (EMT) Set Screw Coupling | 34.80 | 10.60 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| 26 05 33 13-0642 | EA | 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling | 39.31 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| 26 05 33 13-0643 | EA | 4" Electrical Metallic Tubing (EMT) Set Screw Coupling | 113.16 | 32.34 |
| | | *For Work In Restricted Working Space, Add* | *31.40* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.47* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *26.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.64* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.87* | |
| | | *For Elevated Installation >35' To 40', Add* | *52.34* | |
| | | *For Elevated Installation >40', Add* | *57.57* | |

## 26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0599)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0645 | EA | 1/2 Electrical Metallic Tubing (EMT) Compression Coupling | 7.55 | 2.77 |
| | | *For Work In Restricted Working Space, Add* | *2.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.46* | |
| | | *For Elevated Installation >40', Add* | *3.80* | |
| 26 05 33 13-0646 | EA | 3/4" Electrical Metallic Tubing (EMT) Compression Coupling | 8.76 | 3.23 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.81* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.03* | |
| | | *For Elevated Installation >40', Add* | *4.43* | |
| 26 05 33 13-0647 | EA | 1" Electrical Metallic Tubing (EMT) Compression Coupling | 12.49 | 4.61 |
| | | *For Work In Restricted Working Space, Add* | *3.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.88* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.61* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.76* | |
| | | *For Elevated Installation >40', Add* | *6.34* | |
| 26 05 33 13-0648 | EA | 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling | 15.85 | 5.53 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0649 | EA | 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling | 18.99 | 6.45 |
| | | *For Work In Restricted Working Space, Add* | *4.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.23* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.03* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.65* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.45* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.07* | |
| | | *For Elevated Installation >40', Add* | *8.87* | |
| 26 05 33 13-0650 | EA | 2" Electrical Metallic Tubing (EMT) Compression Coupling | 25.23 | 8.29 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |
| 26 05 33 13-0651 | EA | 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling | 39.40 | 11.06 |
| | | *For Work In Restricted Working Space, Add* | *8.30* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.77* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.53* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.91* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.68* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.06* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.83* | |
| | | *For Elevated Installation >40', Add* | *15.21* | |
| 26 05 33 13-0652 | EA | 3" Electrical Metallic Tubing (EMT) Compression Coupling | 45.60 | 12.90 |
| | | *For Work In Restricted Working Space, Add* | *9.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.13* | |
| | | *For Elevated Installation >40', Add* | *17.74* | |
| 26 05 33 13-0653 | EA | 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling | 57.01 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *12.09* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.08* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.11* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.16* | |
| | | *For Elevated Installation >40', Add* | *22.17* | |
| 26 05 33 13-0654 | EA | 4" Electrical Metallic Tubing (EMT) Compression Coupling | 73.13 | 20.73 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |

## 26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings *(26 05 33 13-0599)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0656 | EA | 1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling | 8.46 | 2.77 |
| | | *For Work In Restricted Working Space, Add* | *2.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.46* | |
| | | *For Elevated Installation >40', Add* | *3.80* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.07* | |
| 26 05 33 13-0657 | EA | 3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling | 9.76 | 3.23 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.81* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.03* | |
| | | *For Elevated Installation >40', Add* | *4.43* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.42* | |
| 26 05 33 13-0658 | EA | 1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling | 14.39 | 4.61 |
| | | *For Work In Restricted Working Space, Add* | *3.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.88* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.61* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.76* | |
| | | *For Elevated Installation >40', Add* | *6.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.46* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0659 | EA | 1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling | 18.16 | 5.53 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.15* | |
| 26 05 33 13-0660 | EA | 1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling | 23.09 | 6.45 |
| | | *For Work In Restricted Working Space, Add* | *4.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.23* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.03* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.65* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.45* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.07* | |
| | | *For Elevated Installation >40', Add* | *8.87* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.84* | |
| 26 05 33 13-0661 | EA | 2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling | 28.13 | 7.83 |
| | | *For Work In Restricted Working Space, Add* | *5.87* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.85* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.83* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.79* | |
| | | *For Elevated Installation >40', Add* | *10.77* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.87* | |
| 26 05 33 13-0662 | EA | 2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling | 37.87 | 10.60 |
| | | *For Work In Restricted Working Space, Add* | *7.95* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.65* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.60* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.25* | |
| | | *For Elevated Installation >40', Add* | *14.57* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.95* | |
| 26 05 33 13-0663 | EA | 3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling | 47.71 | 12.90 |
| | | *For Work In Restricted Working Space, Add* | *9.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.13* | |
| | | *For Elevated Installation >40', Add* | *17.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-0664 | EA | 3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling | 62.67 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *12.09* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.08* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.11* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.16* | |
| | | *For Elevated Installation >40', Add* | *22.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.09* | |
| 26 05 33 13-0665 | EA | 4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling | 76.83 | 20.73 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.55* | |

## 26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing *(26 05 33 13-0599)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0667 | EA | 1/2" Electrical Metallic Tubing (EMT) Insulated Bushing | 7.81 | 3.11 |
| | | *For Work In Restricted Working Space, Add* | *2.32* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.77* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.54* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.93* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.09* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.86* | |
| | | *For Elevated Installation >40', Add* | *4.25* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.32* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0668 | EA | 3/4" Electrical Metallic Tubing (EMT) Insulated Bushing | 8.54 | 3.34 |
| | | *For Work In Restricted Working Space, Add* | *2.52* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.84* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.68* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.94* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.21* | |
| | | *For Elevated Installation >40', Add* | *4.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.52* | |
| 26 05 33 13-0669 | EA | 1" Electrical Metallic Tubing (EMT) Insulated Bushing | 10.68 | 4.15 |
| | | *For Work In Restricted Working Space, Add* | *3.08* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.05* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.59* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.10* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.13* | |
| | | *For Elevated Installation >40', Add* | *5.64* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.08* | |
| 26 05 33 13-0670 | EA | 1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing | 13.66 | 5.30 |
| | | *For Work In Restricted Working Space, Add* | *3.94* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.31* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.63* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.60* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.57* | |
| | | *For Elevated Installation >40', Add* | *7.22* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.94* | |
| 26 05 33 13-0671 | EA | 1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing | 16.15 | 6.10 |
| | | *For Work In Restricted Working Space, Add* | *4.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.13* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.66* | |
| | | *For Elevated Installation >40', Add* | *8.43* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.60* | |
| 26 05 33 13-0672 | EA | 2" Electrical Metallic Tubing (EMT) Insulated Bushing | 19.82 | 7.37 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.84* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.68* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.45* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.37* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.21* | |
| | | *For Elevated Installation >40', Add* | *10.13* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.53* | |
| 26 05 33 13-0673 | EA | 2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing | 28.59 | 10.25 |
| | | *For Work In Restricted Working Space, Add* | *7.67* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.56* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.39* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.23* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.79* | |
| | | *For Elevated Installation >40', Add* | *14.06* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.67* | |
| 26 05 33 13-0674 | EA | 3" Electrical Metallic Tubing (EMT) Insulated Bushing | 37.93 | 13.59 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.05* | |
| | | *For Elevated Installation >40', Add* | *18.75* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.23* | |
| 26 05 33 13-0675 | EA | 3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing | 48.62 | 17.50 |
| | | *For Work In Restricted Working Space, Add* | *13.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.39* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.78* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.95* | |
| | | *For Elevated Installation >40', Add* | *24.14* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.17* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 33 13-0676 | | EA | 4" Electrical Metallic Tubing (EMT) Insulated Bushing | 62.86 | 23.04 |
| | | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | | *For Elevated Installation >40', Add* | *31.67* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |
| 26 05 33 13-0677 | | | Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0599)* | | |
| 26 05 33 13-0678 | | EA | 1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw | 5.96 | 2.31 |
| | | | *For Work In Restricted Working Space, Add* | *1.73* | |
| | | | *For Elevated Installation >10' To 15', Add* | *0.58* | |
| | | | *For Elevated Installation >15' To 20', Add* | *1.15* | |
| | | | *For Elevated Installation >20' To 25', Add* | *1.44* | |
| | | | *For Elevated Installation >25' To 30', Add* | *2.01* | |
| | | | *For Elevated Installation >30' To 35', Add* | *2.30* | |
| | | | *For Elevated Installation >35' To 40', Add* | *2.88* | |
| | | | *For Elevated Installation >40', Add* | *3.16* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1.73* | |
| 26 05 33 13-0679 | | EA | 3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw | 7.24 | 2.77 |
| | | | *For Work In Restricted Working Space, Add* | *2.07* | |
| | | | *For Elevated Installation >10' To 15', Add* | *0.69* | |
| | | | *For Elevated Installation >15' To 20', Add* | *1.38* | |
| | | | *For Elevated Installation >20' To 25', Add* | *1.73* | |
| | | | *For Elevated Installation >25' To 30', Add* | *2.42* | |
| | | | *For Elevated Installation >30' To 35', Add* | *2.76* | |
| | | | *For Elevated Installation >35' To 40', Add* | *3.46* | |
| | | | *For Elevated Installation >40', Add* | *3.80* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.07* | |
| 26 05 33 13-0680 | | EA | 1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw | 8.64 | 3.23 |
| | | | *For Work In Restricted Working Space, Add* | *2.42* | |
| | | | *For Elevated Installation >10' To 15', Add* | *0.81* | |
| | | | *For Elevated Installation >15' To 20', Add* | *1.61* | |
| | | | *For Elevated Installation >20' To 25', Add* | *2.02* | |
| | | | *For Elevated Installation >25' To 30', Add* | *2.82* | |
| | | | *For Elevated Installation >30' To 35', Add* | *3.22* | |
| | | | *For Elevated Installation >35' To 40', Add* | *4.03* | |
| | | | *For Elevated Installation >40', Add* | *4.43* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.42* | |
| 26 05 33 13-0681 | | EA | 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw | 12.58 | 4.61 |
| | | | *For Work In Restricted Working Space, Add* | *3.46* | |
| | | | *For Elevated Installation >10' To 15', Add* | *1.15* | |
| | | | *For Elevated Installation >15' To 20', Add* | *2.30* | |
| | | | *For Elevated Installation >20' To 25', Add* | *2.88* | |
| | | | *For Elevated Installation >25' To 30', Add* | *4.03* | |
| | | | *For Elevated Installation >30' To 35', Add* | *4.61* | |
| | | | *For Elevated Installation >35' To 40', Add* | *5.76* | |
| | | | *For Elevated Installation >40', Add* | *6.34* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.46* | |
| 26 05 33 13-0682 | | EA | 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw | 15.36 | 5.53 |
| | | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | | *For Elevated Installation >40', Add* | *7.60* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.15* | |
| 26 05 33 13-0683 | | EA | 2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw | 19.55 | 6.91 |
| | | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | | *For Elevated Installation >40', Add* | *9.50* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0684 | | EA | 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw | 29.39 | 9.21 |
| | | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | | *For Elevated Installation >40', Add* | *12.67* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0685 | EA | 3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw | 36.55 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0686 | EA | 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw | 43.27 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.37* | |
| 26 05 33 13-0687 | EA | 4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw | 50.41 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *12.09* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.08* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.11* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.16* | |
| | | *For Elevated Installation >40', Add* | *22.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.09* | |

## 26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0689 | EA | 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw | 8.06 | 3.11 |
| | | *For Work In Restricted Working Space, Add* | *2.32* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.77* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.54* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.93* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.09* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.86* | |
| | | *For Elevated Installation >40', Add* | *4.25* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.32* | |
| 26 05 33 13-0690 | EA | 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw | 8.95 | 3.34 |
| | | *For Work In Restricted Working Space, Add* | *2.52* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.84* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.68* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.94* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.21* | |
| | | *For Elevated Installation >40', Add* | *4.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.52* | |
| 26 05 33 13-0691 | EA | 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw | 11.22 | 4.15 |
| | | *For Work In Restricted Working Space, Add* | *3.08* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.05* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.59* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.10* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.13* | |
| | | *For Elevated Installation >40', Add* | *5.64* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.08* | |
| 26 05 33 13-0692 | EA | 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw | 14.74 | 5.30 |
| | | *For Work In Restricted Working Space, Add* | *3.94* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.31* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.63* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.60* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.57* | |
| | | *For Elevated Installation >40', Add* | *7.22* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.94* | |
| 26 05 33 13-0693 | EA | 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw | 17.46 | 6.10 |
| | | *For Work In Restricted Working Space, Add* | *4.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.13* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.66* | |
| | | *For Elevated Installation >40', Add* | *8.43* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.60* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0694 | EA | 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw | 21.36 | 7.37 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.84* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.68* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.45* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.37* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.21* | |
| | | *For Elevated Installation >40', Add* | *10.13* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.53* | |
| 26 05 33 13-0695 | EA | 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw | 35.18 | 10.25 |
| | | *For Work In Restricted Working Space, Add* | *7.67* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.56* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.39* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.23* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.79* | |
| | | *For Elevated Installation >40', Add* | *14.06* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.67* | |
| 26 05 33 13-0696 | EA | 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw | 45.58 | 13.59 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.05* | |
| | | *For Elevated Installation >40', Add* | *18.75* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.23* | |
| 26 05 33 13-0697 | EA | 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw | 58.26 | 17.50 |
| | | *For Work In Restricted Working Space, Add* | *13.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.39* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.78* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.95* | |
| | | *For Elevated Installation >40', Add* | *24.14* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.17* | |
| 26 05 33 13-0698 | EA | 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw | 73.40 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |

## 26 05 33 13-0699 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors *(26 05 33 13-0599)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0700 | EA | 1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector | 7.24 | 2.77 |
| | | *For Work In Restricted Working Space, Add* | *2.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.46* | |
| | | *For Elevated Installation >40', Add* | *3.80* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.07* | |
| 26 05 33 13-0701 | EA | 3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector | 8.56 | 3.23 |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.81* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.03* | |
| | | *For Elevated Installation >40', Add* | *4.43* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.42* | |
| 26 05 33 13-0702 | EA | 1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector | 12.23 | 4.61 |
| | | *For Work In Restricted Working Space, Add* | *3.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.88* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.61* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.76* | |
| | | *For Elevated Installation >40', Add* | *6.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0703 | EA | 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector | 15.16 | 5.53 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.15* | |
| 26 05 33 13-0704 | EA | 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector | 18.01 | 6.45 |
| | | *For Work In Restricted Working Space, Add* | *4.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.23* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.03* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.65* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.45* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.07* | |
| | | *For Elevated Installation >40', Add* | *8.87* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.84* | |
| 26 05 33 13-0705 | EA | 2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector | 23.46 | 8.29 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.22* | |
| 26 05 33 13-0706 | EA | 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector | 35.87 | 11.06 |
| | | *For Work In Restricted Working Space, Add* | *8.30* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.77* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.53* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.91* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.68* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.06* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.83* | |
| | | *For Elevated Installation >40', Add* | *15.21* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.30* | |
| 26 05 33 13-0707 | EA | 3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector | 45.30 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.37* | |
| 26 05 33 13-0708 | EA | 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector | 56.87 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *12.09* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.08* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.11* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.16* | |
| | | *For Elevated Installation >40', Add* | *22.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.09* | |
| 26 05 33 13-0709 | EA | 4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector | 64.03 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.82* | |

## 26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0599)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0711 | EA | 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector | 8.28 | 3.11 |
| | | *For Work In Restricted Working Space, Add* | *2.32* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.77* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.54* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.93* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.09* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.86* | |
| | | *For Elevated Installation >40', Add* | *4.25* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.32* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0712 | EA | 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector | 9.19 | 3.34 |
| | | *For Work In Restricted Working Space, Add* | *2.52* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.84* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.68* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.94* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.21* | |
| | | *For Elevated Installation >40', Add* | *4.63* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.52* | |
| 26 05 33 13-0713 | EA | 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector | 11.41 | 4.15 |
| | | *For Work In Restricted Working Space, Add* | *3.08* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.05* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.59* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.10* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.13* | |
| | | *For Elevated Installation >40', Add* | *5.64* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.08* | |
| 26 05 33 13-0714 | EA | 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector | 15.30 | 5.30 |
| | | *For Work In Restricted Working Space, Add* | *3.94* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.31* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.63* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.60* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.57* | |
| | | *For Elevated Installation >40', Add* | *7.22* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.94* | |
| 26 05 33 13-0715 | EA | 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector | 18.39 | 6.10 |
| | | *For Work In Restricted Working Space, Add* | *4.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.13* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.66* | |
| | | *For Elevated Installation >40', Add* | *8.43* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.60* | |
| 26 05 33 13-0716 | EA | 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector | 22.71 | 7.37 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.84* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.68* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.45* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.37* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.21* | |
| | | *For Elevated Installation >40', Add* | *10.13* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.53* | |
| 26 05 33 13-0717 | EA | 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector | 40.14 | 10.25 |
| | | *For Work In Restricted Working Space, Add* | *7.67* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.56* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.39* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.23* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.79* | |
| | | *For Elevated Installation >40', Add* | *14.06* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.67* | |
| 26 05 33 13-0718 | EA | 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector | 53.91 | 13.59 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.05* | |
| | | *For Elevated Installation >40', Add* | *18.75* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.23* | |
| 26 05 33 13-0719 | EA | 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector | 72.85 | 17.50 |
| | | *For Work In Restricted Working Space, Add* | *13.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.39* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.78* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.36* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.95* | |
| | | *For Elevated Installation >40', Add* | *24.14* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0720 | EA | 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector | 91.46 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |
| 26 05 33 13-0721 | | Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0599)* | | |
| | | Note: Excludes jumper. | | |
| 26 05 33 13-0722 | EA | 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling | 61.30 | 15.32 |
| | | *For Work In Restricted Working Space, Add* | *11.50* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.83* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.33* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.17* | |
| | | *For Elevated Installation >40', Add* | *21.08* | |
| 26 05 33 13-0723 | EA | 3/4" Electrical Metallic Tubing (EMT) Expansion Coupling | 73.86 | 18.55 |
| | | *For Work In Restricted Working Space, Add* | *13.94* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.65* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.29* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.58* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.23* | |
| | | *For Elevated Installation >40', Add* | *25.55* | |
| 26 05 33 13-0724 | EA | 1" Electrical Metallic Tubing (EMT) Expansion Coupling | 90.80 | 23.27 |
| | | *For Work In Restricted Working Space, Add* | *17.42* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.81* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.62* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.33* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.23* | |
| | | *For Elevated Installation >35' To 40', Add* | *29.04* | |
| | | *For Elevated Installation >40', Add* | *31.94* | |
| 26 05 33 13-0725 | EA | 1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling | 117.29 | 28.56 |
| | | *For Work In Restricted Working Space, Add* | *21.44* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.29* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.86* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.58* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.73* | |
| | | *For Elevated Installation >40', Add* | *39.30* | |
| 26 05 33 13-0726 | EA | 1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling | 145.56 | 33.52 |
| | | *For Work In Restricted Working Space, Add* | *25.14* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *29.33* | |
| | | *For Elevated Installation >30' To 35', Add* | *33.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.90* | |
| | | *For Elevated Installation >40', Add* | *46.08* | |
| 26 05 33 13-0727 | EA | 2" Electrical Metallic Tubing (EMT) Expansion Coupling | 182.37 | 40.77 |
| | | *For Work In Restricted Working Space, Add* | *30.61* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.20* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.41* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.51* | |
| | | *For Elevated Installation >25' To 30', Add* | *35.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *40.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.02* | |
| | | *For Elevated Installation >40', Add* | *56.12* | |
| 26 05 33 13-0728 | EA | 2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling | 346.07 | 52.41 |
| | | *For Work In Restricted Working Space, Add* | *39.32* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.11* | |
| | | *For Elevated Installation >15' To 20', Add* | *26.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *32.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *45.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *52.42* | |
| | | *For Elevated Installation >35' To 40', Add* | *65.53* | |
| | | *For Elevated Installation >40', Add* | *72.08* | |
| 26 05 33 13-0729 | EA | 3" Electrical Metallic Tubing (EMT) Expansion Coupling | 423.04 | 61.28 |
| | | *For Work In Restricted Working Space, Add* | *45.97* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.32* | |
| | | *For Elevated Installation >15' To 20', Add* | *30.65* | |
| | | *For Elevated Installation >20' To 25', Add* | *38.31* | |
| | | *For Elevated Installation >25' To 30', Add* | *53.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *61.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *76.62* | |
| | | *For Elevated Installation >40', Add* | *84.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0730 | EA | 3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling | 518.88 | 66.80 |
| | | *For Work In Restricted Working Space, Add* | *50.12* | |
| | | *For Elevated Installation >10' To 15', Add* | *16.71* | |
| | | *For Elevated Installation >15' To 20', Add* | *33.41* | |
| | | *For Elevated Installation >20' To 25', Add* | *41.77* | |
| | | *For Elevated Installation >25' To 30', Add* | *58.47* | |
| | | *For Elevated Installation >30' To 35', Add* | *66.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *83.53* | |
| | | *For Elevated Installation >40', Add* | *91.88* | |
| 26 05 33 13-0731 | EA | 4" Electrical Metallic Tubing (EMT) Expansion Coupling | 561.72 | 73.71 |
| | | *For Work In Restricted Working Space, Add* | *55.30* | |
| | | *For Elevated Installation >10' To 15', Add* | *18.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *36.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *46.09* | |
| | | *For Elevated Installation >25' To 30', Add* | *64.52* | |
| | | *For Elevated Installation >30' To 35', Add* | *73.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *92.17* | |
| | | *For Elevated Installation >40', Add* | *101.39* | |

## 26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

*(26 05 33 13-0599)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0733 | EA | 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter | 11.61 | 4.15 |
| | | *For Work In Restricted Working Space, Add* | *3.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.02* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.58* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.09* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.11* | |
| | | *For Elevated Installation >40', Add* | *5.62* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.07* | |
| 26 05 33 13-0734 | EA | 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter | 12.36 | 4.15 |
| | | *For Work In Restricted Working Space, Add* | *3.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.02* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.58* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.09* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.11* | |
| | | *For Elevated Installation >40', Add* | *5.62* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.07* | |
| 26 05 33 13-0735 | EA | 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter | 13.83 | 4.49 |
| | | *For Work In Restricted Working Space, Add* | *3.41* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.14* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.27* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.98* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.55* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.69* | |
| | | *For Elevated Installation >40', Add* | *6.25* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.41* | |
| 26 05 33 13-0736 | EA | 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter | 16.08 | 5.18 |
| | | *For Work In Restricted Working Space, Add* | *3.88* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.17* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.47* | |
| | | *For Elevated Installation >40', Add* | *7.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.88* | |
| 26 05 33 13-0737 | EA | 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter | 22.77 | 6.22 |
| | | *For Work In Restricted Working Space, Add* | *4.69* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.56* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.91* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.47* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.26* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.82* | |
| | | *For Elevated Installation >40', Add* | *8.60* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.69* | |
| 26 05 33 13-0738 | EA | 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter | 27.79 | 7.14 |
| | | *For Work In Restricted Working Space, Add* | *5.36* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.79* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.57* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.94* | |
| | | *For Elevated Installation >40', Add* | *9.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.36* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0739 | EA | 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter | 36.18 | 8.98 |
| | | *For Work In Restricted Working Space, Add* | *6.70* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.23* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.17* | |
| | | *For Elevated Installation >40', Add* | *12.29* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.70* | |

## 26 05 33 13-0740 Electrical Metallic Tubing (EMT) Pulling Elbows *(26 05 33 13-0599)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0741 | EA | 1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws | 24.33 | 10.37 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.22* | |
| 26 05 33 13-0742 | EA | 3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws | 28.37 | 12.09 |
| | | *For Work In Restricted Working Space, Add* | *7.26* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.26* | |
| 26 05 33 13-0743 | EA | 1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws | 35.11 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *8.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.30* | |
| 26 05 33 13-0744 | EA | 1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws | 44.82 | 17.27 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.37* | |

## 26 05 33 13-0745 Intermediate Metal Conduit (IMC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

## 26 05 33 13-0746 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0745)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0747 | LF | 1/2" Intermediate Metal Conduit (IMC) Conduit | 8.60 | 2.31 |
| | | *For >250 To 500, Deduct* | *-0.13* | |
| | | *For >500 To 1,000, Deduct* | *-0.20* | |
| | | *For >1,000, Deduct* | *-0.26* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.60* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.50* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.90* | |
| | | *For Work In Restricted Working Space, Add* | *1.79* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.60* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.20* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.50* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.39* | |
| | | *For Elevated Installation >35' To 40', Add* | *2.99* | |
| | | *For Elevated Installation >40', Add* | *3.29* | |
| 26 05 33 13-0748 | LF | 3/4" Intermediate Metal Conduit (IMC) Conduit | 10.26 | 2.54 |
| | | *For >250 To 500, Deduct* | *-0.16* | |
| | | *For >500 To 1,000, Deduct* | *-0.23* | |
| | | *For >1,000, Deduct* | *-0.31* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.71* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.79* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.07* | |
| | | *For Work In Restricted Working Space, Add* | *2.14* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.71* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *3.57* | |
| | | *For Elevated Installation >40', Add* | *3.93* | |
| 26 05 33 13-0749 | LF | 1" Intermediate Metal Conduit (IMC) Conduit | 13.80 | 2.77 |
| | | *For >250 To 500, Deduct* | *-0.24* | |
| | | *For >500 To 1,000, Deduct* | *-0.36* | |
| | | *For >1,000, Deduct* | *-0.48* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.90* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *2.25* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.35* | |
| | | *For Work In Restricted Working Space, Add* | *2.69* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.90* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.80* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.25* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.59* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.49* | |
| | | *For Elevated Installation >40', Add* | *4.94* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0750 | LF | 1-1/4" Intermediate Metal Conduit (IMC) Conduit | 16.01 | 5.53 |
| | | *For >250 To 500, Deduct* | *-0.31* | |
| | | *For >500 To 1,000, Deduct* | *-0.46* | |
| | | *For >1,000, Deduct* | *-0.61* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.99* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *2.48* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.49* | |
| | | *For Work In Restricted Working Space, Add* | *2.97* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.99* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.98* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.47* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.96* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.95* | |
| | | *For Elevated Installation >40', Add* | *5.45* | |
| 26 05 33 13-0751 | LF | 1-1/2" Intermediate Metal Conduit (IMC) Conduit | 18.04 | 3.69 |
| | | *For >250 To 500, Deduct* | *-0.36* | |
| | | *For >500 To 1,000, Deduct* | *-0.54* | |
| | | *For >1,000, Deduct* | *-0.72* | |
| | | *For Installation In Metal Stud Wall, Add* | *1.08* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *2.71* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.62* | |
| | | *For Work In Restricted Working Space, Add* | *3.25* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.17* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.71* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.79* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.33* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.42* | |
| | | *For Elevated Installation >40', Add* | *5.96* | |
| 26 05 33 13-0752 | LF | 2" Intermediate Metal Conduit (IMC) Conduit | 22.92 | 4.15 |
| | | *For >250 To 500, Deduct* | *-0.49* | |
| | | *For >500 To 1,000, Deduct* | *-0.73* | |
| | | *For >1,000, Deduct* | *-0.98* | |
| | | *For Installation In Metal Stud Wall, Add* | *1.31* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *3.28* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.97* | |
| | | *For Work In Restricted Working Space, Add* | *3.94* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.31* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.63* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.60* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.57* | |
| | | *For Elevated Installation >40', Add* | *7.22* | |
| 26 05 33 13-0753 | LF | 2-1/2" Intermediate Metal Conduit (IMC) Conduit | 39.07 | 5.53 |
| | | *For >250 To 500, Deduct* | *-1.08* | |
| | | *For >500 To 1,000, Deduct* | *-1.63* | |
| | | *For >1,000, Deduct* | *-2.17* | |
| | | *For Installation In Metal Stud Wall, Add* | *1.74* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *4.35* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *2.61* | |
| | | *For Work In Restricted Working Space, Add* | *5.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.48* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.35* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.96* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.70* | |
| | | *For Elevated Installation >40', Add* | *9.56* | |
| 26 05 33 13-0754 | LF | 3" Intermediate Metal Conduit (IMC) Conduit | 49.73 | 6.91 |
| | | *For >250 To 500, Deduct* | *-1.33* | |
| | | *For >500 To 1,000, Deduct* | *-2.00* | |
| | | *For >1,000, Deduct* | *-2.67* | |
| | | *For Installation In Metal Stud Wall, Add* | *2.30* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *5.76* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *3.46* | |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0755 | LF | 3-1/2" Intermediate Metal Conduit (IMC) Conduit | 57.29 | 8.29 |
| | | *For >250 To 500, Deduct* | *-1.55* | |
| | | *For >500 To 1,000, Deduct* | *-2.32* | |
| | | *For >1,000, Deduct* | *-3.09* | |
| | | *For Installation In Metal Stud Wall, Add* | *2.64* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *6.59* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *3.96* | |
| | | *For Work In Restricted Working Space, Add* | *7.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.27* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.23* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.55* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.19* | |
| | | *For Elevated Installation >40', Add* | *14.50* | |
| 26 05 33 13-0756 | LF | 4" Intermediate Metal Conduit (IMC) Conduit | 67.15 | 9.67 |
| | | *For >250 To 500, Deduct* | *-1.82* | |
| | | *For >500 To 1,000, Deduct* | *-2.73* | |
| | | *For >1,000, Deduct* | *-3.64* | |
| | | *For Installation In Metal Stud Wall, Add* | *3.08* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *7.69* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *4.61* | |
| | | *For Work In Restricted Working Space, Add* | *9.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.69* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.77* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *15.38* | |
| | | *For Elevated Installation >40', Add* | *16.92* | |

## 26 05 33 13-0757 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0745)*

See CSI section 26 05 33 13-2319 for conduit field bending.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0758 | EA | 1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow | 40.08 | 11.40 |
| | | *For Work In Restricted Working Space, Add* | *8.58* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.86* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.72* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.15* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.30* | |
| | | *For Elevated Installation >40', Add* | *15.73* | |
| 26 05 33 13-0759 | EA | 3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow | 48.44 | 14.16 |
| | | *For Work In Restricted Working Space, Add* | *10.67* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.56* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.89* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.45* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.78* | |
| | | *For Elevated Installation >40', Add* | *19.56* | |
| 26 05 33 13-0760 | EA | 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow | 61.66 | 17.39 |
| | | *For Work In Restricted Working Space, Add* | *13.01* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.18* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.68* | |
| | | *For Elevated Installation >40', Add* | *23.85* | |
| 26 05 33 13-0761 | EA | 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow | 76.01 | 20.16 |
| | | *For Work In Restricted Working Space, Add* | *15.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.62* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.18* | |
| | | *For Elevated Installation >40', Add* | *27.69* | |
| 26 05 33 13-0762 | EA | 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow | 90.25 | 23.15 |
| | | *For Work In Restricted Working Space, Add* | *17.34* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.78* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.56* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.45* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.23* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.90* | |
| | | *For Elevated Installation >40', Add* | *31.78* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0763 | EA | 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow | 110.29 | 25.45 |
| | | *For Work In Restricted Working Space, Add* | *19.07* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.36* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.71* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.89* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.79* | |
| | | *For Elevated Installation >40', Add* | *34.96* | |
| 26 05 33 13-0764 | EA | 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow | 158.80 | 31.79 |
| | | *For Work In Restricted Working Space, Add* | *23.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.74* | |
| | | *For Elevated Installation >40', Add* | *43.71* | |
| 26 05 33 13-0765 | EA | 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow | 229.70 | 43.31 |
| | | *For Work In Restricted Working Space, Add* | *32.48* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.83* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.65* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.06* | |
| | | *For Elevated Installation >25' To 30', Add* | *37.89* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.13* | |
| | | *For Elevated Installation >40', Add* | *59.54* | |
| 26 05 33 13-0766 | EA | 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow | 336.51 | 48.84 |
| | | *For Work In Restricted Working Space, Add* | *36.63* | |
| | | *For Elevated Installation >10' To 15', Add* | *12.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *24.42* | |
| | | *For Elevated Installation >20' To 25', Add* | *30.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *42.74* | |
| | | *For Elevated Installation >30' To 35', Add* | *48.84* | |
| | | *For Elevated Installation >35' To 40', Add* | *61.06* | |
| | | *For Elevated Installation >40', Add* | *67.16* | |
| 26 05 33 13-0767 | EA | 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow | 407.62 | 63.58 |
| | | *For Work In Restricted Working Space, Add* | *47.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.89* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.78* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.62* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.57* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.46* | |
| | | *For Elevated Installation >40', Add* | *87.41* | |

## 26 05 33 13-0768 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut *(26 05 33 13-0745)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0769 | EA | 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut | 15.77 | 5.98 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-0770 | EA | 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut | 18.63 | 0.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-0771 | EA | 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut | 24.14 | 8.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-0772 | EA | 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut | 29.51 | 10.60 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.95* | |
| 26 05 33 13-0773 | EA | 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut | 33.09 | 11.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0774 | EA | 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut | 42.80 | 14.28 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.71* | |
| 26 05 33 13-0775 | EA | 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut | 79.71 | 23.04 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |
| 26 05 33 13-0776 | EA | 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut | 97.99 | 31.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.50* | |
| 26 05 33 13-0777 | EA | 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut | 128.85 | 37.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.99* | |
| 26 05 33 13-0778 | EA | 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut | 152.24 | 43.31 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.48* | |

## 26 05 33 13-0779 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings *(26 05 33 13-0745)*

Note: 3-Piece coupling.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0780 | EA | 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting | 52.27 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.84* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.45* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.06* | |
| | | *For Elevated Installation >40', Add* | *25.37* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.84* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0781 | EA | 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting | 59.41 | 20.62 |
| | | *For Work In Restricted Working Space, Add* | *15.44* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.59* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.74* | |
| | | *For Elevated Installation >40', Add* | *28.31* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.44* | |
| 26 05 33 13-0782 | EA | 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting | 72.62 | 22.92 |
| | | *For Work In Restricted Working Space, Add* | *17.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.07* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.67* | |
| | | *For Elevated Installation >40', Add* | *31.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.20* | |
| 26 05 33 13-0783 | EA | 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting | 90.87 | 25.11 |
| | | *For Work In Restricted Working Space, Add* | *18.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.28* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.55* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.69* | |
| | | *For Elevated Installation >25' To 30', Add* | *21.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.10* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.38* | |
| | | *For Elevated Installation >40', Add* | *34.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.83* | |
| 26 05 33 13-0784 | EA | 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting | 103.95 | 27.42 |
| | | *For Work In Restricted Working Space, Add* | *20.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.73* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.46* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.33* | |
| | | *For Elevated Installation >40', Add* | *37.76* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.60* | |
| 26 05 33 13-0785 | EA | 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting | 144.92 | 29.71 |
| | | *For Work In Restricted Working Space, Add* | *22.31* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.44* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.18* | |
| | | *For Elevated Installation >40', Add* | *40.89* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.31* | |
| 26 05 33 13-0786 | EA | 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting | 243.10 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.64* | |
| 26 05 33 13-0787 | EA | 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting | 345.39 | 46.07 |
| | | *For Work In Restricted Working Space, Add* | *34.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.80* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.59* | |
| | | *For Elevated Installation >40', Add* | *63.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *34.55* | |
| 26 05 33 13-0788 | EA | 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting | 508.12 | 55.29 |
| | | *For Work In Restricted Working Space, Add* | *41.48* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.83* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.65* | |
| | | *For Elevated Installation >20' To 25', Add* | *34.57* | |
| | | *For Elevated Installation >25' To 30', Add* | *48.39* | |
| | | *For Elevated Installation >30' To 35', Add* | *55.31* | |
| | | *For Elevated Installation >35' To 40', Add* | *69.14* | |
| | | *For Elevated Installation >40', Add* | *76.05* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.48* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0789 | EA | 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting | 587.50 | 59.90 |
| | | *For Work In Restricted Working Space, Add* | *44.92* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.97* | |
| | | *For Elevated Installation >15' To 20', Add* | *29.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *37.43* | |
| | | *For Elevated Installation >25' To 30', Add* | *52.40* | |
| | | *For Elevated Installation >30' To 35', Add* | *59.89* | |
| | | *For Elevated Installation >35' To 40', Add* | *74.86* | |
| | | *For Elevated Installation >40', Add* | *82.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *44.92* | |

## 26 05 33 13-0790 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0745)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0791 | EA | 1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector | 29.74 | 9.21 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| 26 05 33 13-0792 | EA | 3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector | 33.27 | 10.13 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| 26 05 33 13-0793 | EA | 1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector | 38.23 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.84* | |
| 26 05 33 13-0794 | EA | 1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector | 43.55 | 12.44 |
| | | *For Work In Restricted Working Space, Add* | *9.33* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.11* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.78* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.89* | |
| | | *For Elevated Installation >30' To 35', Add* | *12.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *15.55* | |
| | | *For Elevated Installation >40', Add* | *17.11* | |
| 26 05 33 13-0795 | EA | 1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector | 51.91 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| 26 05 33 13-0796 | EA | 2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector | 63.67 | 15.21 |
| | | *For Work In Restricted Working Space, Add* | *11.40* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.80* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.60* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.50* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.30* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.01* | |
| | | *For Elevated Installation >40', Add* | *20.91* | |
| 26 05 33 13-0797 | EA | 2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector | 87.21 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0798 | EA | 3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector | 107.79 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| 26 05 33 13-0799 | EA | 3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector | 129.49 | 27.65 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| 26 05 33 13-0800 | EA | 4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector | 146.57 | 29.94 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.95* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.44* | |
| | | *For Elevated Installation >40', Add* | *41.18* | |

## 26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0745)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0802 | EA | 1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub | 25.83 | 9.21 |
| | | *For Work In Restricted Working Space, Add* | *6.91* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.76* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.52* | |
| | | *For Elevated Installation >40', Add* | *12.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.91* | |
| 26 05 33 13-0803 | EA | 3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub | 32.98 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-0804 | EA | 1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub | 40.74 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.37* | |
| 26 05 33 13-0805 | EA | 1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub | 49.08 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *12.10* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.08* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.11* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.13* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.16* | |
| | | *For Elevated Installation >40', Add* | *22.18* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.10* | |
| 26 05 33 13-0806 | EA | 1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub | 57.35 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0807 | EA | 2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub | 68.13 | 20.73 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.55* | |
| 26 05 33 13-0808 | EA | 2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub | 84.91 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |
| 26 05 33 13-0809 | EA | 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub | 100.14 | 25.34 |
| | | *For Work In Restricted Working Space, Add* | *19.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.67* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.00* | |
| 26 05 33 13-0810 | EA | 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub | 122.57 | 29.94 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.95* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.44* | |
| | | *For Elevated Installation >40', Add* | *41.18* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.46* | |
| 26 05 33 13-0811 | EA | 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub | 140.81 | 32.25 |
| | | *For Work In Restricted Working Space, Add* | *24.19* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.12* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.16* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *40.31* | |
| | | *For Elevated Installation >40', Add* | *44.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.19* | |

## 26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0745)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0813 | EA | 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting | 166.85 | 18.42 |
| | | *For Work In Restricted Working Space, Add* | *13.82* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.13* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | *For Elevated Installation >40', Add* | *25.34* | |
| 26 05 33 13-0814 | EA | 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting | 184.67 | 20.73 |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| 26 05 33 13-0815 | EA | 1" Intermediate Metal Conduit (IMC) Expansion Fitting | 205.24 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.68* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0816 | EA | 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting | 247.52 | 25.34 |
| | | *For Work In Restricted Working Space, Add* | *19.01* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.68* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| 26 05 33 13-0817 | EA | 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting | 302.72 | 27.65 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| 26 05 33 13-0818 | EA | 2" Intermediate Metal Conduit (IMC) Expansion Fitting | 397.00 | 29.94 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| 26 05 33 13-0819 | EA | 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting | 598.15 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| 26 05 33 13-0820 | EA | 3" Intermediate Metal Conduit (IMC) Expansion Fitting | 719.39 | 46.07 |
| | | *For Work In Restricted Working Space, Add* | *34.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.80* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.59* | |
| | | *For Elevated Installation >40', Add* | *63.35* | |
| 26 05 33 13-0821 | EA | 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting | 1,001.41 | 55.29 |
| | | *For Work In Restricted Working Space, Add* | *41.47* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.82* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.65* | |
| | | *For Elevated Installation >20' To 25', Add* | *34.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *48.38* | |
| | | *For Elevated Installation >30' To 35', Add* | *55.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *69.12* | |
| | | *For Elevated Installation >40', Add* | *76.03* | |
| 26 05 33 13-0822 | EA | 4" Intermediate Metal Conduit (IMC) Expansion Fitting | 1,157.51 | 59.90 |
| | | *For Work In Restricted Working Space, Add* | *44.92* | |
| | | *For Elevated Installation >10' To 15', Add* | *14.97* | |
| | | *For Elevated Installation >15' To 20', Add* | *29.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *37.43* | |
| | | *For Elevated Installation >25' To 30', Add* | *52.40* | |
| | | *For Elevated Installation >30' To 35', Add* | *59.89* | |
| | | *For Elevated Installation >35' To 40', Add* | *74.86* | |
| | | *For Elevated Installation >40', Add* | *82.35* | |

## 26 05 33 13-0823 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0745)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0824 | EA | 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal | 104.06 | 28.79 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |
| 26 05 33 13-0825 | EA | 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal | 123.69 | 34.55 |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.73* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0826 | EA | 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal | 150.77 | 40.31 |
| | | *For Work In Restricted Working Space, Add* | *24.19* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.16* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *40.32* | |
| | | *For Elevated Installation >40', Add* | *44.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.19* | |
| 26 05 33 13-0827 | EA | 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal | 177.32 | 46.07 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.64* | |
| 26 05 33 13-0828 | EA | 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal | 231.90 | 51.83 |
| | | *For Work In Restricted Working Space, Add* | *31.10* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.37* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.73* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.92* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.28* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.46* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.83* | |
| | | *For Elevated Installation >40', Add* | *57.01* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *31.10* | |
| 26 05 33 13-0829 | EA | 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal | 281.33 | 57.59 |
| | | *For Work In Restricted Working Space, Add* | *34.55* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.52* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.80* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.07* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.59* | |
| | | *For Elevated Installation >40', Add* | *63.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *34.55* | |
| 26 05 33 13-0830 | EA | 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal | 396.37 | 69.11 |
| | | *For Work In Restricted Working Space, Add* | *41.47* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.82* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.64* | |
| | | *For Elevated Installation >20' To 25', Add* | *34.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *48.38* | |
| | | *For Elevated Installation >30' To 35', Add* | *55.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *69.11* | |
| | | *For Elevated Installation >40', Add* | *76.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.47* | |
| 26 05 33 13-0831 | EA | 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal | 476.59 | 80.63 |
| | | *For Work In Restricted Working Space, Add* | *48.38* | |
| | | *For Elevated Installation >10' To 15', Add* | *16.13* | |
| | | *For Elevated Installation >15' To 20', Add* | *32.25* | |
| | | *For Elevated Installation >20' To 25', Add* | *40.31* | |
| | | *For Elevated Installation >25' To 30', Add* | *56.44* | |
| | | *For Elevated Installation >30' To 35', Add* | *64.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *80.63* | |
| | | *For Elevated Installation >40', Add* | *88.69* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *48.38* | |
| 26 05 33 13-0832 | EA | 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal | 1,093.75 | 92.14 |
| | | *For Work In Restricted Working Space, Add* | *55.29* | |
| | | *For Elevated Installation >10' To 15', Add* | *18.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *36.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *46.07* | |
| | | *For Elevated Installation >25' To 30', Add* | *64.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *73.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *92.15* | |
| | | *For Elevated Installation >40', Add* | *101.36* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *55.29* | |
| 26 05 33 13-0833 | EA | 4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal | 1,259.89 | 103.66 |
| | | *For Work In Restricted Working Space, Add* | *62.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.67* | |
| | | *For Elevated Installation >40', Add* | *114.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *62.20* | |

26 05 33 13-0834 Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0745)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0835 | EA | 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling | 15.40 | 5.53 |
| | | *For Work In Restricted Working Space, Add* | *4.14* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.45* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.83* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |
| 26 05 33 13-0836 | EA | 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling | 21.51 | 7.83 |
| | | *For Work In Restricted Working Space, Add* | *5.88* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.84* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.80* | |
| | | *For Elevated Installation >40', Add* | *10.77* | |
| 26 05 33 13-0837 | EA | 1" Intermediate Metal Conduit (IMC) Threaded Coupling | 28.19 | 10.13 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.13* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.66* | |
| | | *For Elevated Installation >40', Add* | *13.93* | |
| 26 05 33 13-0838 | EA | 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling | 32.39 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.84* | |
| 26 05 33 13-0839 | EA | 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling | 39.06 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *10.36* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.45* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.63* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.27* | |
| | | *For Elevated Installation >40', Add* | *18.99* | |
| 26 05 33 13-0840 | EA | 2" Intermediate Metal Conduit (IMC) Threaded Coupling | 45.14 | 15.67 |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.84* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.80* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.67* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.59* | |
| | | *For Elevated Installation >40', Add* | *21.55* | |
| 26 05 33 13-0841 | EA | 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling | 56.97 | 17.50 |
| | | *For Work In Restricted Working Space, Add* | *13.13* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.88* | |
| | | *For Elevated Installation >40', Add* | *24.07* | |
| 26 05 33 13-0842 | EA | 3" Intermediate Metal Conduit (IMC) Threaded Coupling | 67.57 | 19.81 |
| | | *For Work In Restricted Working Space, Add* | *14.86* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.77* | |
| | | *For Elevated Installation >40', Add* | *27.24* | |
| 26 05 33 13-0843 | EA | 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling | 78.27 | 21.65 |
| | | *For Work In Restricted Working Space, Add* | *16.25* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.42* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.54* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.08* | |
| | | *For Elevated Installation >40', Add* | *29.78* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0844 | EA | 4" Intermediate Metal Conduit (IMC) Threaded Coupling | 81.87 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.27* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.51* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.39* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.15* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.03* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.79* | |
| | | *For Elevated Installation >40', Add* | *31.66* | |

## 26 05 33 13-0845 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0745)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0846 | EA | 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing | 7.52 | 2.31 |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.58* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.44* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.01* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *2.88* | |
| | | *For Elevated Installation >40', Add* | *3.16* | |
| 26 05 33 13-0847 | EA | 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing | 8.55 | 2.31 |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.58* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *1.44* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *2.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *2.88* | |
| | | *For Elevated Installation >40', Add* | *3.17* | |

## 26 05 33 13-0848 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0059)*

Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

## 26 05 33 13-0849 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0848)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0850 | LF | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit | 14.01 | 3.23 |
| | | *For >250 To 500, Deduct* | *-0.50* | |
| | | *For >500 To 1,000, Deduct* | *-0.85* | |
| | | *For >1,000, Deduct* | *-1.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.81* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *2.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.03* | |
| | | *For Elevated Installation >40', Add* | *4.43* | |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 26 05 33 13-0851 | LF | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit | 16.10 | 3.69 |
| | | *For >250 To 500, Deduct* | *-0.57* | |
| | | *For >500 To 1,000, Deduct* | *-0.98* | |
| | | *For >1,000, Deduct* | *-1.38* | |
| | | *For Elevated Installation >10' To 15', Add* | *0.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.84* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.30* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.68* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.61* | |
| | | *For Elevated Installation >40', Add* | *5.07* | |
| | | *For Work In Restricted Working Space, Add* | *2.76* | |
| 26 05 33 13-0852 | LF | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit | 20.44 | 4.61 |
| | | *For >250 To 500, Deduct* | *-0.73* | |
| | | *For >500 To 1,000, Deduct* | *-1.25* | |
| | | *For >1,000, Deduct* | *-1.76* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.15* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.30* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.88* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.03* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.61* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.76* | |
| | | *For Elevated Installation >40', Add* | *6.34* | |
| | | *For Work In Restricted Working Space, Add* | *3.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0853 | LF | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit | 25.13 | 5.53 |
| | | *For >250 To 500, Deduct* | *-0.91* | |
| | | *For >500 To 1,000, Deduct* | *-1.54* | |
| | | *For >1,000, Deduct* | *-2.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| 26 05 33 13-0854 | LF | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit | 31.02 | 6.91 |
| | | *For >250 To 500, Deduct* | *-1.12* | |
| | | *For >500 To 1,000, Deduct* | *-1.89* | |
| | | *For >1,000, Deduct* | *-2.67* | |
| | | *For Elevated Installation >10' To 15', Add* | *1.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.32* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.64* | |
| | | *For Elevated Installation >40', Add* | *9.50* | |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| 26 05 33 13-0855 | LF | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit | 38.65 | 8.29 |
| | | *For >250 To 500, Deduct* | *-1.41* | |
| | | *For >500 To 1,000, Deduct* | *-2.38* | |
| | | *For >1,000, Deduct* | *-3.35* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.37* | |
| | | *For Elevated Installation >40', Add* | *11.40* | |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| 26 05 33 13-0856 | LF | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit | 51.37 | 9.67 |
| | | *For >250 To 500, Deduct* | *-1.96* | |
| | | *For >500 To 1,000, Deduct* | *-3.25* | |
| | | *For >1,000, Deduct* | *-4.53* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.42* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.84* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.05* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.47* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.68* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.10* | |
| | | *For Elevated Installation >40', Add* | *13.30* | |
| | | *For Work In Restricted Working Space, Add* | *7.26* | |
| 26 05 33 13-0857 | LF | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit | 64.21 | 11.98 |
| | | *For >250 To 500, Deduct* | *-2.46* | |
| | | *For >500 To 1,000, Deduct* | *-4.07* | |
| | | *For >1,000, Deduct* | *-5.67* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.99* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.99* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.49* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.48* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.97* | |
| | | *For Elevated Installation >40', Add* | *16.47* | |
| | | *For Work In Restricted Working Space, Add* | *8.98* | |
| 26 05 33 13-0858 | LF | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit | 78.78 | 14.75 |
| | | *For >250 To 500, Deduct* | *-3.02* | |
| | | *For >500 To 1,000, Deduct* | *-4.99* | |
| | | *For >1,000, Deduct* | *-6.96* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.22* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.90* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.43* | |
| | | *For Elevated Installation >40', Add* | *20.27* | |
| | | *For Work In Restricted Working Space, Add* | *11.06* | |
| 26 05 33 13-0859 | LF | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit | 93.19 | 17.50 |
| | | *For >250 To 500, Deduct* | *-3.57* | |
| | | *For >500 To 1,000, Deduct* | *-5.90* | |
| | | *For >1,000, Deduct* | *-8.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.51* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.89* | |
| | | *For Elevated Installation >40', Add* | *24.07* | |
| | | *For Work In Restricted Working Space, Add* | *13.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0860 | LF | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit | 139.41 | 20.73 |
| | | *For >250 To 500, Deduct* | *-5.67* | |
| | | *For >500 To 1,000, Deduct* | *-9.16* | |
| | | *For >1,000, Deduct* | *-12.65* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.37* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.92* | |
| | | *For Elevated Installation >40', Add* | *28.51* | |
| | | *For Work In Restricted Working Space, Add* | *15.55* | |
| 26 05 33 13-0861 | LF | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit | 189.12 | 27.65 |
| | | *For >250 To 500, Deduct* | *-7.73* | |
| | | *For >500 To 1,000, Deduct* | *-12.46* | |
| | | *For >1,000, Deduct* | *-17.18* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |

## 26 05 33 13-0862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0863 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling | 20.10 | 6.91 |
| | | *For Elevated Installation >10' To 15', Add* | *1.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.46* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.53* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.91* | |
| | | *For Elevated Installation >40', Add* | *7.60* | |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| 26 05 33 13-0864 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling | 26.16 | 9.79 |
| | | *For Elevated Installation >10' To 15', Add* | *1.96* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.85* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.83* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.79* | |
| | | *For Elevated Installation >40', Add* | *10.77* | |
| | | *For Work In Restricted Working Space, Add* | *5.87* | |
| 26 05 33 13-0865 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling | 33.88 | 12.67 |
| | | *For Elevated Installation >10' To 15', Add* | *2.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.87* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.14* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.67* | |
| | | *For Elevated Installation >40', Add* | *13.94* | |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| 26 05 33 13-0866 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling | 38.76 | 14.40 |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| 26 05 33 13-0867 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling | 46.40 | 17.27 |
| | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | *For Elevated Installation >40', Add* | *19.00* | |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |
| 26 05 33 13-0868 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling | 56.51 | 19.58 |
| | | *For Elevated Installation >10' To 15', Add* | *3.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *15.67* | |
| | | *For Elevated Installation >35' To 40', Add* | *19.59* | |
| | | *For Elevated Installation >40', Add* | *21.54* | |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0869 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling | 86.68 | 19.58 |
| | | *For Elevated Installation >10' To 15', Add* | *4.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.51* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.89* | |
| | | *For Elevated Installation >40', Add* | *24.07* | |
| | | *For Work In Restricted Working Space, Add* | *13.13* | |
| 26 05 33 13-0870 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling | 101.64 | 27.07 |
| | | *For Elevated Installation >10' To 15', Add* | *4.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.77* | |
| | | *For Elevated Installation >40', Add* | *27.24* | |
| | | *For Work In Restricted Working Space, Add* | *14.86* | |
| 26 05 33 13-0871 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling | 120.99 | 27.07 |
| | | *For Elevated Installation >10' To 15', Add* | *5.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.95* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.07* | |
| | | *For Elevated Installation >40', Add* | *29.77* | |
| | | *For Work In Restricted Working Space, Add* | *16.24* | |
| 26 05 33 13-0872 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling | 135.76 | 28.79 |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| 26 05 33 13-0873 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling | 323.83 | 34.55 |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| 26 05 33 13-0874 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling | 365.17 | 40.31 |
| | | *For Elevated Installation >10' To 15', Add* | *8.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.16* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *40.32* | |
| | | *For Elevated Installation >40', Add* | *44.35* | |
| | | *For Work In Restricted Working Space, Add* | *24.19* | |

## 26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows *(26 05 33 13-0848)*

Note: 90, 45, or 30-degree.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0876 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow | 59.44 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| 26 05 33 13-0877 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow | 69.26 | 23.21 |
| | | *For Elevated Installation >10' To 15', Add* | *4.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.60* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.21* | |
| | | *For Elevated Installation >40', Add* | *25.53* | |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| 26 05 33 13-0878 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow | 83.11 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0879 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow | 98.09 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-0880 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow | 114.44 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-0881 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow | 137.59 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-0882 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow | 207.38 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-0883 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow | 307.06 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| 26 05 33 13-0884 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow | 376.94 | 79.35 |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| 26 05 33 13-0885 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow | 437.30 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| 26 05 33 13-0886 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow | 892.79 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| 26 05 33 13-0887 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow | 1,399.63 | 253.05 |
| | | *For Elevated Installation >10' To 15', Add* | *50.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *101.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *126.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *177.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *202.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *253.05* | |
| | | *For Elevated Installation >40', Add* | *278.36* | |
| | | *For Work In Restricted Working Space, Add* | *151.83* | |

26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows *(26 05 33 13-0848)*


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0889 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow | 134.99 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-0890 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow | 152.26 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-0891 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow | 173.75 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-0892 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow | 206.02 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-0893 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow | 284.84 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |

## 26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0895 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow | 149.03 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-0896 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow | 175.45 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-0897 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow | 190.37 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-0898 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow | 242.28 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0899 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow | 319.80 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-0900 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow | 410.72 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |

## 26 05 33 13-0901 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0902 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 165.80 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-0903 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 187.52 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-0904 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 211.70 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-0905 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 254.30 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-0906 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 359.96 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-0907 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 457.88 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| 26 05 33 13-0908 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 574.43 | 79.35 |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0909 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow | 652.47 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |

## 26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0911 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 194.78 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-0912 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 215.87 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-0913 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 243.89 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-0914 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 300.64 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-0915 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 431.85 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-0916 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 537.78 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| 26 05 33 13-0917 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 623.22 | 79.35 |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| 26 05 33 13-0918 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow | 742.03 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0919 | | Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows *(26 05 33 13-0848)* | | |
| 26 05 33 13-0920 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 217.33 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-0921 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 242.25 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-0922 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 275.56 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-0923 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 340.99 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-0924 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 471.08 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-0925 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 601.69 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| 26 05 33 13-0926 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 741.83 | 79.35 |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| 26 05 33 13-0927 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 824.24 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| 26 05 33 13-0928 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow | 1,372.74 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0929 | | Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows *(26 05 33 13-0848)* | | |
| 26 05 33 13-0930 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 246.82 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-0931 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 274.13 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-0932 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 310.29 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-0933 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 385.73 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-0934 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 536.44 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-0935 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 683.11 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| 26 05 33 13-0936 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 801.27 | 79.35 |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| 26 05 33 13-0937 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 930.37 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| 26 05 33 13-0938 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 1,447.12 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0939 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow | 1,987.37 | 253.05 |
| | | *For Elevated Installation >10' To 15', Add* | *50.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *101.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *126.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *177.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *202.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *253.05* | |
| | | *For Elevated Installation >40', Add* | *278.36* | |
| | | *For Work In Restricted Working Space, Add* | *151.83* | |

## 26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0941 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 287.88 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-0942 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 302.55 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-0943 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 356.76 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-0944 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 448.01 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-0945 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 624.58 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.33* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.83* | |
| | | *For Work In Restricted Working Space, Add* | *31.00* | |
| 26 05 33 13-0946 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 792.88 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| 26 05 33 13-0947 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 966.51 | 79.35 |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| 26 05 33 13-0948 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 1,136.84 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0949 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 1,689.74 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| 26 05 33 13-0950 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow | 2,098.74 | 253.05 |
| | | *For Elevated Installation >10' To 15', Add* | *50.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *101.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *126.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *177.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *202.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *253.05* | |
| | | *For Elevated Installation >40', Add* | *278.36* | |
| | | *For Work In Restricted Working Space, Add* | *151.83* | |

## 26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0952 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 297.77 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-0953 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 350.62 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-0954 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 396.95 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-0955 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 466.74 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-0956 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 646.60 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.33* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.83* | |
| | | *For Work In Restricted Working Space, Add* | *31.00* | |
| 26 05 33 13-0957 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 826.64 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| 26 05 33 13-0958 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 1,056.50 | 79.35 |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0959 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 1,183.67 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| 26 05 33 13-0960 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 1,754.92 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| 26 05 33 13-0961 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow | 2,155.33 | 253.05 |
| | | *For Elevated Installation >10' To 15', Add* | *50.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *101.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *126.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *177.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *202.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *253.05* | |
| | | *For Elevated Installation >40', Add* | *278.36* | |
| | | *For Work In Restricted Working Space, Add* | *151.83* | |

## 26 05 33 13-0962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0963 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting | 111.46 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-0964 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting | 136.71 | 24.71 |
| | | *For Elevated Installation >10' To 15', Add* | *4.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.88* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.35* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.71* | |
| | | *For Elevated Installation >40', Add* | *27.18* | |
| | | *For Work In Restricted Working Space, Add* | *14.82* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.82* | |
| 26 05 33 13-0965 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting | 181.57 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.07* | |
| 26 05 33 13-0966 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting | 296.07 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.76* | |
| 26 05 33 13-0967 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting | 327.06 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0968 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting | 412.32 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-0969 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting | 1,114.08 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |
| 26 05 33 13-0970 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting | 1,331.06 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.42* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.23* | |
| 26 05 33 13-0971 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting | 1,770.08 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.32* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.31* | |
| | | *For Elevated Installation >40', Add* | *113.64* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *61.99* | |

## 26 05 33 13-0972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0973 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting | 106.96 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-0974 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting | 131.62 | 24.71 |
| | | *For Elevated Installation >10' To 15', Add* | *4.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.88* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.35* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.71* | |
| | | *For Elevated Installation >40', Add* | *27.18* | |
| | | *For Work In Restricted Working Space, Add* | *14.82* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.82* | |
| 26 05 33 13-0975 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting | 181.57 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.07* | |
| 26 05 33 13-0976 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting | 293.45 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.76* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0977 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting | 316.51 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.46* | |
| 26 05 33 13-0978 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting | 412.45 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-0979 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting | 1,069.06 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |
| 26 05 33 13-0980 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting | 1,298.22 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.42* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.23* | |
| 26 05 33 13-0981 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting | 1,770.00 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.32* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.31* | |
| | | *For Elevated Installation >40', Add* | *113.64* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *61.99* | |

## 26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0983 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting | 96.99 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-0984 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting | 116.50 | 24.71 |
| | | *For Elevated Installation >10' To 15', Add* | *4.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.88* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.35* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.71* | |
| | | *For Elevated Installation >40', Add* | *27.18* | |
| | | *For Work In Restricted Working Space, Add* | *14.82* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.82* | |
| 26 05 33 13-0985 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting | 137.36 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.07* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0986 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting | 193.98 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.76* | |
| 26 05 33 13-0987 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting | 226.42 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.46* | |
| 26 05 33 13-0988 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting | 347.34 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-0989 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting | 943.69 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |
| 26 05 33 13-0990 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting | 1,064.03 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.42* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.23* | |
| 26 05 33 13-0991 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting | 1,360.82 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.32* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.31* | |
| | | *For Elevated Installation >40', Add* | *113.64* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *61.99* | |

## 26 05 33 13-0992 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-0993 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting | 163.65 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-0994 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting | 246.12 | 24.71 |
| | | *For Elevated Installation >10' To 15', Add* | *4.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.88* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.35* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.71* | |
| | | *For Elevated Installation >40', Add* | *27.18* | |
| | | *For Work In Restricted Working Space, Add* | *14.82* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-0995 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting | 309.03 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.07* | |
| 26 05 33 13-0996 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting | 356.72 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.76* | |
| 26 05 33 13-0997 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting | 405.13 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.46* | |
| 26 05 33 13-0998 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting | 531.95 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-0999 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting | 1,662.12 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |
| 26 05 33 13-1000 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting | 1,942.26 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.42* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.23* | |
| 26 05 33 13-1001 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting | 2,390.59 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.32* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.31* | |
| | | *For Elevated Installation >40', Add* | *113.64* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *61.99* | |

26 05 33 13-1002 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1003 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting | 181.34 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1004 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting | 262.82 | 24.71 |
| | | *For Elevated Installation >10' To 15', Add* | *4.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.88* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.35* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.71* | |
| | | *For Elevated Installation >40', Add* | *27.18* | |
| | | *For Work In Restricted Working Space, Add* | *14.82* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.82* | |
| 26 05 33 13-1005 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting | 312.21 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.07* | |
| 26 05 33 13-1006 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting | 361.96 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.76* | |
| 26 05 33 13-1007 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting | 419.50 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.46* | |
| 26 05 33 13-1008 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting | 658.19 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-1009 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting | 1,852.60 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1010 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting | 2,607.28 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.42* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.23* | |
| 26 05 33 13-1011 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting | 2,727.24 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.32* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.31* | |
| | | *For Elevated Installation >40', Add* | *113.64* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *61.99* | |

## 26 05 33 13-1012 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1013 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting | 144.15 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1014 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting | 182.06 | 24.71 |
| | | *For Elevated Installation >10' To 15', Add* | *4.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.88* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.35* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *19.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *24.71* | |
| | | *For Elevated Installation >40', Add* | *27.18* | |
| | | *For Work In Restricted Working Space, Add* | *14.82* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.82* | |
| 26 05 33 13-1015 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting | 217.94 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.07* | |
| 26 05 33 13-1016 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting | 241.72 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.76* | |
| 26 05 33 13-1017 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting | 324.42 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1018 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting | 456.70 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-1019 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting | 1,504.35 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |
| 26 05 33 13-1020 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting | 1,695.57 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.27* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.42* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.23* | |
| 26 05 33 13-1021 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting | 2,018.11 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.32* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.31* | |
| | | *For Elevated Installation >40', Add* | *113.64* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *61.99* | |

## 26 05 33 13-1022 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1023 | EA | 1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 133.53 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.56* | |
| 26 05 33 13-1024 | EA | 3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 150.71 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-1025 | EA | 1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 185.80 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.30* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1026 | EA | 1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 242.08 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.65* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.79* | |
| 26 05 33 13-1027 | EA | 1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 281.92 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.91* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.89* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.93* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *35.93* | |
| 26 05 33 13-1028 | EA | 2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 382.79 | 71.88 |
| | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | *For Elevated Installation >40', Add* | *79.06* | |
| | | *For Work In Restricted Working Space, Add* | *43.13* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *43.13* | |
| 26 05 33 13-1029 | EA | 2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 640.82 | 101.07 |
| | | *For Elevated Installation >10' To 15', Add* | *20.22* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *50.54* | |
| | | *For Elevated Installation >25' To 30', Add* | *70.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *80.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *101.08* | |
| | | *For Elevated Installation >40', Add* | *111.18* | |
| | | *For Work In Restricted Working Space, Add* | *60.65* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *60.65* | |
| 26 05 33 13-1030 | EA | 3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 821.35 | 134.76 |
| | | *For Elevated Installation >10' To 15', Add* | *26.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *53.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *67.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *94.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *107.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *134.77* | |
| | | *For Elevated Installation >40', Add* | *148.24* | |
| | | *For Work In Restricted Working Space, Add* | *80.86* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *80.86* | |
| 26 05 33 13-1031 | EA | 3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 1,138.64 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *101.07* | |
| 26 05 33 13-1032 | EA | 4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 1,308.96 | 205.13 |
| | | *For Elevated Installation >10' To 15', Add* | *41.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *82.05* | |
| | | *For Elevated Installation >20' To 25', Add* | *102.57* | |
| | | *For Elevated Installation >25' To 30', Add* | *143.59* | |
| | | *For Elevated Installation >30' To 35', Add* | *164.11* | |
| | | *For Elevated Installation >35' To 40', Add* | *205.14* | |
| | | *For Elevated Installation >40', Add* | *225.65* | |
| | | *For Work In Restricted Working Space, Add* | *123.08* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *123.08* | |

26 05 33 13-1033 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1034 | EA | 1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 174.48 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.30* | |
| 26 05 33 13-1035 | EA | 3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 198.68 | 52.41 |
| | | *For Elevated Installation >10' To 15', Add* | *10.48* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *26.21* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.69* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *52.41* | |
| | | *For Elevated Installation >40', Add* | *57.65* | |
| | | *For Work In Restricted Working Space, Add* | *31.45* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *31.45* | |
| 26 05 33 13-1036 | EA | 1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 241.71 | 57.65 |
| | | *For Elevated Installation >10' To 15', Add* | *11.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *28.82* | |
| | | *For Elevated Installation >25' To 30', Add* | *40.35* | |
| | | *For Elevated Installation >30' To 35', Add* | *46.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *57.65* | |
| | | *For Elevated Installation >40', Add* | *63.41* | |
| | | *For Work In Restricted Working Space, Add* | *34.59* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *34.59* | |
| 26 05 33 13-1037 | EA | 1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 323.31 | 65.88 |
| | | *For Elevated Installation >10' To 15', Add* | *13.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *26.35* | |
| | | *For Elevated Installation >20' To 25', Add* | *32.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *46.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *52.70* | |
| | | *For Elevated Installation >35' To 40', Add* | *65.88* | |
| | | *For Elevated Installation >40', Add* | *72.47* | |
| | | *For Work In Restricted Working Space, Add* | *39.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *39.53* | |
| 26 05 33 13-1038 | EA | 1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 381.18 | 71.88 |
| | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | *For Elevated Installation >40', Add* | *79.06* | |
| | | *For Work In Restricted Working Space, Add* | *43.13* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *43.13* | |
| 26 05 33 13-1039 | EA | 2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 517.74 | 88.35 |
| | | *For Elevated Installation >10' To 15', Add* | *17.67* | |
| | | *For Elevated Installation >15' To 20', Add* | *35.34* | |
| | | *For Elevated Installation >20' To 25', Add* | *44.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *61.84* | |
| | | *For Elevated Installation >30' To 35', Add* | *70.68* | |
| | | *For Elevated Installation >35' To 40', Add* | *88.35* | |
| | | *For Elevated Installation >40', Add* | *97.18* | |
| | | *For Work In Restricted Working Space, Add* | *53.01* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *53.01* | |

### 26 05 33 13-1040 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1041 | EA | 1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 153.51 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.83* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.30* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-1042 | EA | 3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 175.30 | 47.92 |
| | | *For Elevated Installation >10' To 15', Add* | *9.58* | |
| | | *For Elevated Installation >15' To 20', Add* | *19.17* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.96* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.54* | |
| | | *For Elevated Installation >30' To 35', Add* | *38.33* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.92* | |
| | | *For Elevated Installation >40', Add* | *52.71* | |
| | | *For Work In Restricted Working Space, Add* | *28.75* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1043 | EA | 1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 211.28 | 52.41 |
| | | *For Elevated Installation >10' To 15', Add* | *10.48* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *26.21* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.69* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *52.41* | |
| | | *For Elevated Installation >40', Add* | *57.65* | |
| | | *For Work In Restricted Working Space, Add* | *31.45* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *31.45* | |
| 26 05 33 13-1044 | EA | 1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 269.67 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *35.94* | |
| 26 05 33 13-1045 | EA | 1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 318.95 | 65.88 |
| | | *For Elevated Installation >10' To 15', Add* | *13.18* | |
| | | *For Elevated Installation >15' To 20', Add* | *26.35* | |
| | | *For Elevated Installation >20' To 25', Add* | *32.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *46.12* | |
| | | *For Elevated Installation >30' To 35', Add* | *52.71* | |
| | | *For Elevated Installation >35' To 40', Add* | *65.89* | |
| | | *For Elevated Installation >40', Add* | *72.47* | |
| | | *For Work In Restricted Working Space, Add* | *39.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *39.53* | |
| 26 05 33 13-1046 | EA | 2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 426.03 | 77.11 |
| | | *For Elevated Installation >10' To 15', Add* | *15.42* | |
| | | *For Elevated Installation >15' To 20', Add* | *30.85* | |
| | | *For Elevated Installation >20' To 25', Add* | *38.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *53.98* | |
| | | *For Elevated Installation >30' To 35', Add* | *61.69* | |
| | | *For Elevated Installation >35' To 40', Add* | *77.12* | |
| | | *For Elevated Installation >40', Add* | *84.83* | |
| | | *For Work In Restricted Working Space, Add* | *46.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *46.27* | |
| 26 05 33 13-1047 | EA | 2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 683.74 | 112.30 |
| | | *For Elevated Installation >10' To 15', Add* | *22.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *44.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *56.15* | |
| | | *For Elevated Installation >25' To 30', Add* | *78.61* | |
| | | *For Elevated Installation >30' To 35', Add* | *89.84* | |
| | | *For Elevated Installation >35' To 40', Add* | *112.31* | |
| | | *For Elevated Installation >40', Add* | *123.54* | |
| | | *For Work In Restricted Working Space, Add* | *67.38* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *67.38* | |
| 26 05 33 13-1048 | EA | 3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 904.65 | 145.99 |
| | | *For Elevated Installation >10' To 15', Add* | *29.20* | |
| | | *For Elevated Installation >15' To 20', Add* | *58.39* | |
| | | *For Elevated Installation >20' To 25', Add* | *72.99* | |
| | | *For Elevated Installation >25' To 30', Add* | *102.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *116.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *145.99* | |
| | | *For Elevated Installation >40', Add* | *160.58* | |
| | | *For Work In Restricted Working Space, Add* | *87.59* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *87.59* | |
| 26 05 33 13-1049 | EA | 3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 1,239.98 | 179.68 |
| | | *For Elevated Installation >10' To 15', Add* | *35.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *71.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *89.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *125.78* | |
| | | *For Elevated Installation >30' To 35', Add* | *143.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *179.68* | |
| | | *For Elevated Installation >40', Add* | *197.65* | |
| | | *For Work In Restricted Working Space, Add* | *107.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *107.81* | |
| 26 05 33 13-1050 | EA | 4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover | 1,388.11 | 216.37 |
| | | *For Elevated Installation >10' To 15', Add* | *43.28* | |
| | | *For Elevated Installation >15' To 20', Add* | *86.55* | |
| | | *For Elevated Installation >20' To 25', Add* | *108.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *151.46* | |
| | | *For Elevated Installation >30' To 35', Add* | *173.10* | |
| | | *For Elevated Installation >35' To 40', Add* | *216.38* | |
| | | *For Elevated Installation >40', Add* | *238.01* | |
| | | *For Work In Restricted Working Space, Add* | *129.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *129.83* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1051 | | Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined *(26 05 33 13-0848)* | | |
| 26 05 33 13-1052 | EA | 1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined | 30.84 | 4.49 |
| | | *For Elevated Installation >10' To 15', Add* | *0.90* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.80* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.25* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.59* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.49* | |
| | | *For Elevated Installation >40', Add* | *4.94* | |
| | | *For Work In Restricted Working Space, Add* | *2.69* | |
| 26 05 33 13-1053 | EA | 3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined | 34.64 | 5.24 |
| | | *For Elevated Installation >10' To 15', Add* | *1.05* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.10* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.25* | |
| | | *For Elevated Installation >40', Add* | *5.77* | |
| | | *For Work In Restricted Working Space, Add* | *3.15* | |
| 26 05 33 13-1054 | EA | 1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined | 45.15 | 6.74 |
| | | *For Elevated Installation >10' To 15', Add* | *1.35* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.37* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.71* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.39* | |
| | | *For Elevated Installation >35' To 40', Add* | *6.74* | |
| | | *For Elevated Installation >40', Add* | *7.41* | |
| | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 26 05 33 13-1055 | EA | 1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined | 58.01 | 8.24 |
| | | *For Elevated Installation >10' To 15', Add* | *1.65* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.29* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.12* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.76* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.59* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.24* | |
| | | *For Elevated Installation >40', Add* | *9.06* | |
| | | *For Work In Restricted Working Space, Add* | *4.94* | |
| 26 05 33 13-1056 | EA | 1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined | 65.02 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| 26 05 33 13-1057 | EA | 2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined | 80.37 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| 26 05 33 13-1058 | EA | 2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined | 103.75 | 12.73 |
| | | *For Elevated Installation >10' To 15', Add* | *2.55* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.09* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.91* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *12.73* | |
| | | *For Elevated Installation >40', Add* | *14.00* | |
| | | *For Work In Restricted Working Space, Add* | *7.64* | |
| 26 05 33 13-1059 | EA | 3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined | 114.24 | 17.96 |
| | | *For Elevated Installation >10' To 15', Add* | *3.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.19* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.99* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.58* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.97* | |
| | | *For Elevated Installation >40', Add* | *19.77* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 26 05 33 13-1060 | EA | 3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined | 138.61 | 20.21 |
| | | *For Elevated Installation >10' To 15', Add* | *4.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.09* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.15* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.17* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.22* | |
| | | *For Elevated Installation >40', Add* | *22.24* | |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1061 | EA | 4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined | 149.08 | 25.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.09* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.45* | |
| | | *For Elevated Installation >40', Add* | *28.00* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |

## 26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1063 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body | 150.10 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.56* | |
| 26 05 33 13-1064 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body | 166.47 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-1065 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body | 194.26 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.30* | |
| 26 05 33 13-1066 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body | 230.34 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.79* | |
| 26 05 33 13-1067 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body | 285.23 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *35.94* | |
| 26 05 33 13-1068 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body | 345.54 | 71.88 |
| | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | *For Elevated Installation >40', Add* | *79.06* | |
| | | *For Work In Restricted Working Space, Add* | *43.13* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *43.13* | |
| 26 05 33 13-1069 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body | 499.85 | 101.07 |
| | | *For Elevated Installation >10' To 15', Add* | *20.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *50.54* | |
| | | *For Elevated Installation >25' To 30', Add* | *70.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *80.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *101.07* | |
| | | *For Elevated Installation >40', Add* | *111.18* | |
| | | *For Work In Restricted Working Space, Add* | *60.64* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *60.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1070 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body | 641.87 | 134.76 |
| | | *For Elevated Installation >10' To 15', Add* | *26.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *53.90* | |
| | | *For Elevated Installation >20' To 25', Add* | *67.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *94.33* | |
| | | *For Elevated Installation >30' To 35', Add* | *107.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *134.76* | |
| | | *For Elevated Installation >40', Add* | *148.24* | |
| | | *For Work In Restricted Working Space, Add* | *80.86* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *80.86* | |
| 26 05 33 13-1071 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body | 1,265.74 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *101.07* | |
| 26 05 33 13-1072 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body | 1,846.06 | 205.13 |
| | | *For Elevated Installation >10' To 15', Add* | *41.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *82.05* | |
| | | *For Elevated Installation >20' To 25', Add* | *102.57* | |
| | | *For Elevated Installation >25' To 30', Add* | *143.59* | |
| | | *For Elevated Installation >30' To 35', Add* | *164.11* | |
| | | *For Elevated Installation >35' To 40', Add* | *205.14* | |
| | | *For Elevated Installation >40', Add* | *225.65* | |
| | | *For Work In Restricted Working Space, Add* | *123.08* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *123.08* | |

## 26 05 33 13-1073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1074 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body | 251.91 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.56* | |
| 26 05 33 13-1075 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body | 271.74 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-1076 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body | 310.33 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.30* | |
| 26 05 33 13-1077 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body | 347.74 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.79* | |
| 26 05 33 13-1078 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body | 420.37 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *35.94* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1079 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body | 474.10 | 71.88 |
| | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | *For Elevated Installation >40', Add* | *79.06* | |
| | | *For Work In Restricted Working Space, Add* | *43.13* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *43.13* | |
| 26 05 33 13-1080 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body | 666.99 | 101.07 |
| | | *For Elevated Installation >10' To 15', Add* | *20.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *50.54* | |
| | | *For Elevated Installation >25' To 30', Add* | *70.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *80.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *101.07* | |
| | | *For Elevated Installation >40', Add* | *111.18* | |
| | | *For Work In Restricted Working Space, Add* | *60.64* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *60.64* | |
| 26 05 33 13-1081 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body | 928.11 | 134.76 |
| | | *For Elevated Installation >10' To 15', Add* | *26.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *53.90* | |
| | | *For Elevated Installation >20' To 25', Add* | *67.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *94.33* | |
| | | *For Elevated Installation >30' To 35', Add* | *107.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *134.76* | |
| | | *For Elevated Installation >40', Add* | *148.24* | |
| | | *For Work In Restricted Working Space, Add* | *80.86* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *80.86* | |
| 26 05 33 13-1082 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body | 1,348.87 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *101.07* | |
| 26 05 33 13-1083 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body | 1,954.84 | 205.13 |
| | | *For Elevated Installation >10' To 15', Add* | *41.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *82.05* | |
| | | *For Elevated Installation >20' To 25', Add* | *102.57* | |
| | | *For Elevated Installation >25' To 30', Add* | *143.59* | |
| | | *For Elevated Installation >30' To 35', Add* | *164.11* | |
| | | *For Elevated Installation >35' To 40', Add* | *205.14* | |
| | | *For Elevated Installation >40', Add* | *225.65* | |
| | | *For Work In Restricted Working Space, Add* | *123.08* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *123.08* | |

## 26 05 33 13-1084 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1085 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body | 202.90 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.56* | |
| 26 05 33 13-1086 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body | 216.85 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-1087 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body | 249.12 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1088 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body | 278.31 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.79* | |
| 26 05 33 13-1089 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body | 379.95 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *35.94* | |
| 26 05 33 13-1090 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body | 476.54 | 71.88 |
| | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | *For Elevated Installation >40', Add* | *79.06* | |
| | | *For Work In Restricted Working Space, Add* | *43.13* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *43.13* | |
| 26 05 33 13-1091 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body | 738.07 | 101.07 |
| | | *For Elevated Installation >10' To 15', Add* | *20.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *50.54* | |
| | | *For Elevated Installation >25' To 30', Add* | *70.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *80.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *101.07* | |
| | | *For Elevated Installation >40', Add* | *111.18* | |
| | | *For Work In Restricted Working Space, Add* | *60.64* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *60.64* | |
| 26 05 33 13-1092 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body | 1,072.73 | 134.76 |
| | | *For Elevated Installation >10' To 15', Add* | *26.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *53.90* | |
| | | *For Elevated Installation >20' To 25', Add* | *67.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *94.33* | |
| | | *For Elevated Installation >30' To 35', Add* | *107.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *134.76* | |
| | | *For Elevated Installation >40', Add* | *148.24* | |
| | | *For Work In Restricted Working Space, Add* | *80.86* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *80.86* | |
| 26 05 33 13-1093 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body | 1,348.87 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *101.07* | |

## 26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1095 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body | 266.30 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.56* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 33 13-1096 | | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body | 295.74 | 41.18 |
| | | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | | *For Elevated Installation >40', Add* | *45.29* | |
| | | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-1097 | | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body | 365.85 | 47.17 |
| | | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | | *For Elevated Installation >40', Add* | *51.88* | |
| | | | *For Work In Restricted Working Space, Add* | *28.30* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.30* | |
| 26 05 33 13-1098 | | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body | 450.41 | 54.65 |
| | | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | | *For Elevated Installation >40', Add* | *60.12* | |
| | | | *For Work In Restricted Working Space, Add* | *32.79* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.79* | |
| 26 05 33 13-1099 | | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body | 623.11 | 59.90 |
| | | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | | *For Elevated Installation >40', Add* | *65.88* | |
| | | | *For Work In Restricted Working Space, Add* | *35.94* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *35.94* | |
| 26 05 33 13-1100 | | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body | 746.79 | 71.88 |
| | | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | | *For Elevated Installation >40', Add* | *79.06* | |
| | | | *For Work In Restricted Working Space, Add* | *43.13* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *43.13* | |

## 26 05 33 13-1101 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings *(26 05 33 13-0848)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 33 13-1102 | | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling | 52.61 | 14.40 |
| | | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | | *For Elevated Installation >40', Add* | *15.83* | |
| | | | *For Work In Restricted Working Space, Add* | *8.64* | |
| 26 05 33 13-1103 | | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling | 69.45 | 17.27 |
| | | | *For Elevated Installation >10' To 15', Add* | *3.46* | |
| | | | *For Elevated Installation >15' To 20', Add* | *6.91* | |
| | | | *For Elevated Installation >20' To 25', Add* | *8.64* | |
| | | | *For Elevated Installation >25' To 30', Add* | *12.09* | |
| | | | *For Elevated Installation >30' To 35', Add* | *13.82* | |
| | | | *For Elevated Installation >35' To 40', Add* | *17.28* | |
| | | | *For Elevated Installation >40', Add* | *19.00* | |
| | | | *For Work In Restricted Working Space, Add* | *10.37* | |
| 26 05 33 13-1104 | | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling | 88.45 | 23.04 |
| | | | *For Elevated Installation >10' To 15', Add* | *4.61* | |
| | | | *For Elevated Installation >15' To 20', Add* | *9.21* | |
| | | | *For Elevated Installation >20' To 25', Add* | *11.52* | |
| | | | *For Elevated Installation >25' To 30', Add* | *16.12* | |
| | | | *For Elevated Installation >30' To 35', Add* | *18.43* | |
| | | | *For Elevated Installation >35' To 40', Add* | *23.04* | |
| | | | *For Elevated Installation >40', Add* | *25.34* | |
| | | | *For Work In Restricted Working Space, Add* | *13.82* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1105 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling | 121.19 | 28.79 |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| 26 05 33 13-1106 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling | 158.47 | 34.55 |
| | | *For Elevated Installation >10' To 15', Add* | *6.91* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.28* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *27.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *34.56* | |
| | | *For Elevated Installation >40', Add* | *38.01* | |
| | | *For Work In Restricted Working Space, Add* | *20.73* | |
| 26 05 33 13-1107 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling | 269.56 | 40.31 |
| | | *For Elevated Installation >10' To 15', Add* | *8.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.16* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *40.32* | |
| | | *For Elevated Installation >40', Add* | *44.35* | |
| | | *For Work In Restricted Working Space, Add* | *24.19* | |
| 26 05 33 13-1108 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling | 389.59 | 46.07 |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| 26 05 33 13-1109 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling | 485.11 | 51.83 |
| | | *For Elevated Installation >10' To 15', Add* | *10.37* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.73* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.92* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.28* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.46* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.83* | |
| | | *For Elevated Installation >40', Add* | *57.01* | |
| | | *For Work In Restricted Working Space, Add* | *31.10* | |
| 26 05 33 13-1110 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling | 673.27 | 60.47 |
| | | *For Elevated Installation >10' To 15', Add* | *12.09* | |
| | | *For Elevated Installation >15' To 20', Add* | *24.19* | |
| | | *For Elevated Installation >20' To 25', Add* | *30.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *42.33* | |
| | | *For Elevated Installation >30' To 35', Add* | *48.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *60.47* | |
| | | *For Elevated Installation >40', Add* | *66.52* | |
| | | *For Work In Restricted Working Space, Add* | *36.28* | |
| 26 05 33 13-1111 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling | 816.74 | 69.11 |
| | | *For Elevated Installation >10' To 15', Add* | *13.82* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.64* | |
| | | *For Elevated Installation >20' To 25', Add* | *34.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *48.38* | |
| | | *For Elevated Installation >30' To 35', Add* | *55.29* | |
| | | *For Elevated Installation >35' To 40', Add* | *69.11* | |
| | | *For Elevated Installation >40', Add* | *76.02* | |
| | | *For Work In Restricted Working Space, Add* | *41.47* | |
| 26 05 33 13-1112 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling | 1,307.00 | 109.42 |
| | | *For Elevated Installation >10' To 15', Add* | *21.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *43.77* | |
| | | *For Elevated Installation >20' To 25', Add* | *54.71* | |
| | | *For Elevated Installation >25' To 30', Add* | *76.59* | |
| | | *For Elevated Installation >30' To 35', Add* | *87.54* | |
| | | *For Elevated Installation >35' To 40', Add* | *109.42* | |
| | | *For Elevated Installation >40', Add* | *120.36* | |
| | | *For Work In Restricted Working Space, Add* | *65.65* | |
| 26 05 33 13-1113 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling | 1,789.59 | 167.01 |
| | | *For Elevated Installation >10' To 15', Add* | *33.40* | |
| | | *For Elevated Installation >15' To 20', Add* | *66.80* | |
| | | *For Elevated Installation >20' To 25', Add* | *83.51* | |
| | | *For Elevated Installation >25' To 30', Add* | *116.91* | |
| | | *For Elevated Installation >30' To 35', Add* | *133.61* | |
| | | *For Elevated Installation >35' To 40', Add* | *167.01* | |
| | | *For Elevated Installation >40', Add* | *183.71* | |
| | | *For Work In Restricted Working Space, Add* | *100.21* | |

26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows *(26 05 33 13-0848)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1115 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow | 191.72 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| 26 05 33 13-1116 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow | 226.17 | 39.68 |
| | | *For Elevated Installation >10' To 15', Add* | *7.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.78* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.68* | |
| | | *For Elevated Installation >40', Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *23.81* | |
| 26 05 33 13-1117 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow | 250.14 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| 26 05 33 13-1118 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow | 357.24 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |
| 26 05 33 13-1119 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow | 469.15 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.94* | |
| 26 05 33 13-1120 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow | 507.63 | 71.88 |
| | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | *For Elevated Installation >40', Add* | *79.06* | |
| | | *For Work In Restricted Working Space, Add* | *43.13* | |
| 26 05 33 13-1121 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow | 1,187.07 | 99.57 |
| | | *For Elevated Installation >10' To 15', Add* | *19.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *39.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *49.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *69.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *79.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *99.58* | |
| | | *For Elevated Installation >40', Add* | *109.53* | |
| | | *For Work In Restricted Working Space, Add* | *59.75* | |
| 26 05 33 13-1122 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow | 1,257.68 | 134.76 |
| | | *For Elevated Installation >10' To 15', Add* | *26.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *53.91* | |
| | | *For Elevated Installation >20' To 25', Add* | *67.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *94.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *107.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *134.77* | |
| | | *For Elevated Installation >40', Add* | *148.24* | |
| | | *For Work In Restricted Working Space, Add* | *80.86* | |
| 26 05 33 13-1123 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow | 2,048.56 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.46* | |
| | | *For Elevated Installation >40', Add* | *185.31* | |
| | | *For Work In Restricted Working Space, Add* | *101.08* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1124 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow | 2,138.54 | 205.13 |
| | | *For Elevated Installation >10' To 15', Add* | *41.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *82.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *102.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *143.61* | |
| | | *For Elevated Installation >30' To 35', Add* | *164.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *205.15* | |
| | | *For Elevated Installation >40', Add* | *225.67* | |
| | | *For Work In Restricted Working Space, Add* | *123.09* | |

## 26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1126 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow | 277.00 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| 26 05 33 13-1127 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow | 315.59 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1128 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow | 617.04 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| 26 05 33 13-1129 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow | 648.16 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |
| 26 05 33 13-1130 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow | 883.57 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.94* | |
| 26 05 33 13-1131 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow | 943.76 | 71.88 |
| | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | *For Elevated Installation >40', Add* | *79.06* | |
| | | *For Work In Restricted Working Space, Add* | *43.13* | |
| 26 05 33 13-1132 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow | 1,808.53 | 101.07 |
| | | *For Elevated Installation >10' To 15', Add* | *20.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *50.54* | |
| | | *For Elevated Installation >25' To 30', Add* | *70.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *80.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *101.07* | |
| | | *For Elevated Installation >40', Add* | *111.18* | |
| | | *For Work In Restricted Working Space, Add* | *60.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1133 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow | 1,907.67 | 134.76 |
| | | *For Elevated Installation >10' To 15', Add* | *26.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *53.90* | |
| | | *For Elevated Installation >20' To 25', Add* | *67.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *94.33* | |
| | | *For Elevated Installation >30' To 35', Add* | *107.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *134.76* | |
| | | *For Elevated Installation >40', Add* | *148.24* | |
| | | *For Work In Restricted Working Space, Add* | *80.86* | |
| 26 05 33 13-1134 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow | 2,789.97 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| 26 05 33 13-1135 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow | 3,161.54 | 205.13 |
| | | *For Elevated Installation >10' To 15', Add* | *41.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *82.05* | |
| | | *For Elevated Installation >20' To 25', Add* | *102.57* | |
| | | *For Elevated Installation >25' To 30', Add* | *143.59* | |
| | | *For Elevated Installation >30' To 35', Add* | *164.11* | |
| | | *For Elevated Installation >35' To 40', Add* | *205.14* | |
| | | *For Elevated Installation >40', Add* | *225.65* | |
| | | *For Work In Restricted Working Space, Add* | *123.08* | |

## 26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1137 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow | 107.06 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| 26 05 33 13-1138 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow | 124.81 | 23.21 |
| | | *For Elevated Installation >10' To 15', Add* | *4.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.60* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.21* | |
| | | *For Elevated Installation >40', Add* | *25.53* | |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| 26 05 33 13-1139 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow | 148.82 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-1140 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow | 175.57 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |

## 26 05 33 13-1141 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1142 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow | 84.84 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| 26 05 33 13-1143 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow | 98.14 | 23.21 |
| | | *For Elevated Installation >10' To 15', Add* | *4.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.60* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.21* | |
| | | *For Elevated Installation >40', Add* | *25.53* | |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| 26 05 33 13-1144 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow | 135.83 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-1145 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow | 175.67 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-1146 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow | 213.71 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-1147 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow | 305.60 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1148 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow | 417.01 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |

### 26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1150 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow | 107.11 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1151 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow | 127.89 | 23.21 |
| | | *For Elevated Installation >10' To 15', Add* | *4.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.60* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.21* | |
| | | *For Elevated Installation >40', Add* | *25.53* | |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| 26 05 33 13-1152 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow | 148.85 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-1153 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow | 175.62 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |

## 26 05 33 13-1154 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1155 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow | 84.92 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| 26 05 33 13-1156 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow | 98.14 | 23.21 |
| | | *For Elevated Installation >10' To 15', Add* | *4.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.60* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.21* | |
| | | *For Elevated Installation >40', Add* | *25.53* | |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| 26 05 33 13-1157 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow | 126.63 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-1158 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow | 157.80 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-1159 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow | 184.60 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1160 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow | 212.38 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1161 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow | 393.24 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-1162 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow | 452.21 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| 26 05 33 13-1163 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow | 488.36 | 79.35 |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| 26 05 33 13-1164 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow | 603.23 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |

## 26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1166 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow | 177.33 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.56* | |
| 26 05 33 13-1167 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow | 191.94 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.71* | |
| 26 05 33 13-1168 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow | 210.40 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.30* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1169 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow | 281.41 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.79* | |
| 26 05 33 13-1170 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow | 356.74 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.94* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *35.94* | |

## 26 05 33 13-1171 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover

*(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1172 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover | 212.54 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| 26 05 33 13-1173 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover | 229.31 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1174 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover | 267.91 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| 26 05 33 13-1175 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover | 381.22 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |
| 26 05 33 13-1176 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover | 615.35 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.94* | |
| 26 05 33 13-1177 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover | 665.88 | 71.88 |
| | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | *For Elevated Installation >40', Add* | *79.06* | |
| | | *For Work In Restricted Working Space, Add* | *43.13* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 33 13-1178** | | **Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)* | | |
| 26 05 33 13-1179 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover | 232.52 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| 26 05 33 13-1180 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover | 262.64 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1181 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover | 286.92 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| 26 05 33 13-1182 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover | 400.54 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |
| 26 05 33 13-1183 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover | 661.44 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.94* | |
| 26 05 33 13-1184 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover | 708.18 | 71.88 |
| | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | *For Elevated Installation >40', Add* | *79.06* | |
| | | *For Work In Restricted Working Space, Add* | *43.13* | |
| **26 05 33 13-1185** | | **Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)* | | |
| 26 05 33 13-1186 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover | 232.67 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 33 13-1187 | | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover | 256.74 | 41.18 |
| | | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | | *For Elevated Installation >40', Add* | *45.29* | |
| | | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1188 | | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover | 305.28 | 47.17 |
| | | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | | *For Elevated Installation >40', Add* | *51.88* | |
| | | | *For Work In Restricted Working Space, Add* | *28.30* | |
| 26 05 33 13-1189 | | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover | 415.25 | 54.65 |
| | | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | | *For Elevated Installation >40', Add* | *60.12* | |
| | | | *For Work In Restricted Working Space, Add* | *32.79* | |
| 26 05 33 13-1190 | | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover | 683.40 | 59.90 |
| | | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | | *For Elevated Installation >40', Add* | *65.88* | |
| | | | *For Work In Restricted Working Space, Add* | *35.94* | |
| 26 05 33 13-1191 | | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover | 735.25 | 71.88 |
| | | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | | *For Elevated Installation >40', Add* | *79.06* | |
| | | | *For Work In Restricted Working Space, Add* | *43.13* | |

## 26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 33 13-1193 | | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover | 287.99 | 35.94 |
| | | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | | *For Elevated Installation >40', Add* | *39.53* | |
| | | | *For Work In Restricted Working Space, Add* | *21.56* | |
| 26 05 33 13-1194 | | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover | 318.23 | 41.18 |
| | | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | | *For Elevated Installation >40', Add* | *45.29* | |
| | | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1195 | | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover | 345.26 | 47.17 |
| | | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | | *For Elevated Installation >40', Add* | *51.88* | |
| | | | *For Work In Restricted Working Space, Add* | *28.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1196 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover | 862.31 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |

## 26 05 33 13-1197 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1198 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box | 140.49 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| 26 05 33 13-1199 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box | 154.67 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1200 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box | 172.86 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| 26 05 33 13-1201 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box | 155.49 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| 26 05 33 13-1202 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box | 167.79 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1203 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box | 191.08 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |

## 26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1205 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box | 147.58 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1206 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box | 162.66 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1207 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box | 178.37 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| 26 05 33 13-1208 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box | 165.63 | 35.94 |
| | | *For Elevated Installation >10' To 15', Add* | *7.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.97* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.94* | |
| | | *For Elevated Installation >40', Add* | *39.53* | |
| | | *For Work In Restricted Working Space, Add* | *21.56* | |
| 26 05 33 13-1209 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box | 180.88 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1210 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box | 204.56 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |

## 26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1212 | EA | Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover | 51.43 | 4.49 |
| | | *For Elevated Installation >10' To 15', Add* | *0.90* | |
| | | *For Elevated Installation >15' To 20', Add* | *1.80* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.25* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *3.59* | |
| | | *For Elevated Installation >35' To 40', Add* | *4.49* | |
| | | *For Elevated Installation >40', Add* | *4.94* | |
| | | *For Work In Restricted Working Space, Add* | *2.69* | |
| 26 05 33 13-1213 | EA | Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover | 69.87 | 5.24 |
| | | *For Elevated Installation >10' To 15', Add* | *1.05* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.10* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.25* | |
| | | *For Elevated Installation >40', Add* | *5.77* | |
| | | *For Work In Restricted Working Space, Add* | *3.15* | |
| 26 05 33 13-1214 | EA | Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover | 65.98 | 5.24 |
| | | *For Elevated Installation >10' To 15', Add* | *1.05* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.10* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.25* | |
| | | *For Elevated Installation >40', Add* | *5.77* | |
| | | *For Work In Restricted Working Space, Add* | *3.15* | |
| 26 05 33 13-1215 | EA | Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover | 58.71 | 5.24 |
| | | *For Elevated Installation >10' To 15', Add* | *1.05* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.10* | |
| | | *For Elevated Installation >20' To 25', Add* | *2.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *3.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.25* | |
| | | *For Elevated Installation >40', Add* | *5.77* | |
| | | *For Work In Restricted Working Space, Add* | *3.15* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1216 | EA | Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover | 284.45 | 7.49 |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| 26 05 33 13-1217 | EA | Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover | 252.92 | 7.49 |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |

## 26 05 33 13-1218 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies *(26 05 33 13-0848)*

Note: Includes covers.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1219 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body | 301.21 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| 26 05 33 13-1220 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body | 338.51 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |
| 26 05 33 13-1221 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body | 465.80 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.94* | |
| 26 05 33 13-1222 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body | 555.09 | 71.88 |
| | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | *For Elevated Installation >40', Add* | *79.06* | |
| | | *For Work In Restricted Working Space, Add* | *43.13* | |
| 26 05 33 13-1223 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body | 801.62 | 101.07 |
| | | *For Elevated Installation >10' To 15', Add* | *20.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *50.54* | |
| | | *For Elevated Installation >25' To 30', Add* | *70.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *80.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *101.07* | |
| | | *For Elevated Installation >40', Add* | *111.18* | |
| | | *For Work In Restricted Working Space, Add* | *60.64* | |
| 26 05 33 13-1224 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body | 1,012.23 | 134.76 |
| | | *For Elevated Installation >10' To 15', Add* | *26.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *53.90* | |
| | | *For Elevated Installation >20' To 25', Add* | *67.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *94.33* | |
| | | *For Elevated Installation >30' To 35', Add* | *107.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *134.76* | |
| | | *For Elevated Installation >40', Add* | *148.24* | |
| | | *For Work In Restricted Working Space, Add* | *80.86* | |
| 26 05 33 13-1225 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body | 1,480.75 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1226 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body | 1,836.94 | 205.13 |
| | | *For Elevated Installation >10' To 15', Add* | *41.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *82.05* | |
| | | *For Elevated Installation >20' To 25', Add* | *102.57* | |
| | | *For Elevated Installation >25' To 30', Add* | *143.59* | |
| | | *For Elevated Installation >30' To 35', Add* | *164.11* | |
| | | *For Elevated Installation >35' To 40', Add* | *205.14* | |
| | | *For Elevated Installation >40', Add* | *225.65* | |
| | | *For Work In Restricted Working Space, Add* | *123.08* | |
| 26 05 33 13-1227 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body | 301.21 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| 26 05 33 13-1228 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body | 338.51 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |
| 26 05 33 13-1229 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body | 464.53 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.94* | |
| 26 05 33 13-1230 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body | 542.25 | 71.88 |
| | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | *For Elevated Installation >40', Add* | *79.06* | |
| | | *For Work In Restricted Working Space, Add* | *43.13* | |
| 26 05 33 13-1231 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body | 813.44 | 101.07 |
| | | *For Elevated Installation >10' To 15', Add* | *20.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *50.54* | |
| | | *For Elevated Installation >25' To 30', Add* | *70.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *80.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *101.07* | |
| | | *For Elevated Installation >40', Add* | *111.18* | |
| | | *For Work In Restricted Working Space, Add* | *60.64* | |
| 26 05 33 13-1232 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body | 1,065.26 | 134.76 |
| | | *For Elevated Installation >10' To 15', Add* | *26.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *53.90* | |
| | | *For Elevated Installation >20' To 25', Add* | *67.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *94.33* | |
| | | *For Elevated Installation >30' To 35', Add* | *107.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *134.76* | |
| | | *For Elevated Installation >40', Add* | *148.24* | |
| | | *For Work In Restricted Working Space, Add* | *80.86* | |
| 26 05 33 13-1233 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body | 1,544.77 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| 26 05 33 13-1234 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body | 1,876.80 | 205.13 |
| | | *For Elevated Installation >10' To 15', Add* | *41.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *82.05* | |
| | | *For Elevated Installation >20' To 25', Add* | *102.57* | |
| | | *For Elevated Installation >25' To 30', Add* | *143.59* | |
| | | *For Elevated Installation >30' To 35', Add* | *164.11* | |
| | | *For Elevated Installation >35' To 40', Add* | *205.14* | |
| | | *For Elevated Installation >40', Add* | *225.65* | |
| | | *For Work In Restricted Working Space, Add* | *123.08* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1235 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body | 301.21 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |
| 26 05 33 13-1236 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body | 338.51 | 54.65 |
| | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | *For Elevated Installation >40', Add* | *60.12* | |
| | | *For Work In Restricted Working Space, Add* | *32.79* | |
| 26 05 33 13-1237 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body | 464.53 | 59.90 |
| | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | *For Elevated Installation >40', Add* | *65.88* | |
| | | *For Work In Restricted Working Space, Add* | *35.94* | |
| 26 05 33 13-1238 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body | 542.25 | 71.88 |
| | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | *For Elevated Installation >40', Add* | *79.06* | |
| | | *For Work In Restricted Working Space, Add* | *43.13* | |
| 26 05 33 13-1239 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body | 813.44 | 101.07 |
| | | *For Elevated Installation >10' To 15', Add* | *20.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *40.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *50.54* | |
| | | *For Elevated Installation >25' To 30', Add* | *70.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *80.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *101.07* | |
| | | *For Elevated Installation >40', Add* | *111.18* | |
| | | *For Work In Restricted Working Space, Add* | *60.64* | |
| 26 05 33 13-1240 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body | 1,065.26 | 134.76 |
| | | *For Elevated Installation >10' To 15', Add* | *26.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *53.90* | |
| | | *For Elevated Installation >20' To 25', Add* | *67.38* | |
| | | *For Elevated Installation >25' To 30', Add* | *94.33* | |
| | | *For Elevated Installation >30' To 35', Add* | *107.81* | |
| | | *For Elevated Installation >35' To 40', Add* | *134.76* | |
| | | *For Elevated Installation >40', Add* | *148.24* | |
| | | *For Work In Restricted Working Space, Add* | *80.86* | |
| 26 05 33 13-1241 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body | 1,544.77 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| 26 05 33 13-1242 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body | 1,876.80 | 205.13 |
| | | *For Elevated Installation >10' To 15', Add* | *41.03* | |
| | | *For Elevated Installation >15' To 20', Add* | *82.05* | |
| | | *For Elevated Installation >20' To 25', Add* | *102.57* | |
| | | *For Elevated Installation >25' To 30', Add* | *143.59* | |
| | | *For Elevated Installation >30' To 35', Add* | *164.11* | |
| | | *For Elevated Installation >35' To 40', Add* | *205.14* | |
| | | *For Elevated Installation >40', Add* | *225.65* | |
| | | *For Work In Restricted Working Space, Add* | *123.08* | |
| 26 05 33 13-1243 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body | 301.21 | 47.17 |
| | | *For Elevated Installation >10' To 15', Add* | *9.43* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.58* | |
| | | *For Elevated Installation >25' To 30', Add* | *33.02* | |
| | | *For Elevated Installation >30' To 35', Add* | *37.73* | |
| | | *For Elevated Installation >35' To 40', Add* | *47.17* | |
| | | *For Elevated Installation >40', Add* | *51.88* | |
| | | *For Work In Restricted Working Space, Add* | *28.30* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 33 13-1244 | | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body | 338.51 | 54.65 |
| | | | *For Elevated Installation >10' To 15', Add* | *10.93* | |
| | | | *For Elevated Installation >15' To 20', Add* | *21.86* | |
| | | | *For Elevated Installation >20' To 25', Add* | *27.33* | |
| | | | *For Elevated Installation >25' To 30', Add* | *38.26* | |
| | | | *For Elevated Installation >30' To 35', Add* | *43.72* | |
| | | | *For Elevated Installation >35' To 40', Add* | *54.66* | |
| | | | *For Elevated Installation >40', Add* | *60.12* | |
| | | | *For Work In Restricted Working Space, Add* | *32.79* | |
| 26 05 33 13-1245 | | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body | 465.80 | 59.90 |
| | | | *For Elevated Installation >10' To 15', Add* | *11.98* | |
| | | | *For Elevated Installation >15' To 20', Add* | *23.96* | |
| | | | *For Elevated Installation >20' To 25', Add* | *29.95* | |
| | | | *For Elevated Installation >25' To 30', Add* | *41.93* | |
| | | | *For Elevated Installation >30' To 35', Add* | *47.92* | |
| | | | *For Elevated Installation >35' To 40', Add* | *59.90* | |
| | | | *For Elevated Installation >40', Add* | *65.88* | |
| | | | *For Work In Restricted Working Space, Add* | *35.94* | |
| 26 05 33 13-1246 | | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body | 549.17 | 71.88 |
| | | | *For Elevated Installation >10' To 15', Add* | *14.38* | |
| | | | *For Elevated Installation >15' To 20', Add* | *28.75* | |
| | | | *For Elevated Installation >20' To 25', Add* | *35.94* | |
| | | | *For Elevated Installation >25' To 30', Add* | *50.31* | |
| | | | *For Elevated Installation >30' To 35', Add* | *57.50* | |
| | | | *For Elevated Installation >35' To 40', Add* | *71.88* | |
| | | | *For Elevated Installation >40', Add* | *79.06* | |
| | | | *For Work In Restricted Working Space, Add* | *43.13* | |
| 26 05 33 13-1247 | | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body | 801.62 | 101.07 |
| | | | *For Elevated Installation >10' To 15', Add* | *20.21* | |
| | | | *For Elevated Installation >15' To 20', Add* | *40.43* | |
| | | | *For Elevated Installation >20' To 25', Add* | *50.54* | |
| | | | *For Elevated Installation >25' To 30', Add* | *70.75* | |
| | | | *For Elevated Installation >30' To 35', Add* | *80.86* | |
| | | | *For Elevated Installation >35' To 40', Add* | *101.07* | |
| | | | *For Elevated Installation >40', Add* | *111.18* | |
| | | | *For Work In Restricted Working Space, Add* | *60.64* | |
| 26 05 33 13-1248 | | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body | 1,012.23 | 134.76 |
| | | | *For Elevated Installation >10' To 15', Add* | *26.95* | |
| | | | *For Elevated Installation >15' To 20', Add* | *53.90* | |
| | | | *For Elevated Installation >20' To 25', Add* | *67.38* | |
| | | | *For Elevated Installation >25' To 30', Add* | *94.33* | |
| | | | *For Elevated Installation >30' To 35', Add* | *107.81* | |
| | | | *For Elevated Installation >35' To 40', Add* | *134.76* | |
| | | | *For Elevated Installation >40', Add* | *148.24* | |
| | | | *For Work In Restricted Working Space, Add* | *80.86* | |
| 26 05 33 13-1249 | | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body | 1,480.75 | 168.45 |
| | | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | | *For Elevated Installation >40', Add* | *185.30* | |
| | | | *For Work In Restricted Working Space, Add* | *101.07* | |
| 26 05 33 13-1250 | | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body | 1,853.54 | 205.13 |
| | | | *For Elevated Installation >10' To 15', Add* | *41.03* | |
| | | | *For Elevated Installation >15' To 20', Add* | *82.05* | |
| | | | *For Elevated Installation >20' To 25', Add* | *102.57* | |
| | | | *For Elevated Installation >25' To 30', Add* | *143.59* | |
| | | | *For Elevated Installation >30' To 35', Add* | *164.11* | |
| | | | *For Elevated Installation >35' To 40', Add* | *205.14* | |
| | | | *For Elevated Installation >40', Add* | *225.65* | |
| | | | *For Work In Restricted Working Space, Add* | *123.08* | |

## 26 05 33 13-1251 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers *(26 05 33 13-0848)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 33 13-1252 | | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover | 148.25 | 6.74 |
| | | | *For Elevated Installation >10' To 15', Add* | *1.35* | |
| | | | *For Elevated Installation >15' To 20', Add* | *2.69* | |
| | | | *For Elevated Installation >20' To 25', Add* | *3.37* | |
| | | | *For Elevated Installation >25' To 30', Add* | *4.71* | |
| | | | *For Elevated Installation >30' To 35', Add* | *5.39* | |
| | | | *For Elevated Installation >35' To 40', Add* | *6.74* | |
| | | | *For Elevated Installation >40', Add* | *7.41* | |
| | | | *For Work In Restricted Working Space, Add* | *4.04* | |
| 26 05 33 13-1253 | | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover | 149.76 | 7.49 |
| | | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | | *For Elevated Installation >40', Add* | *8.24* | |
| | | | *For Work In Restricted Working Space, Add* | *4.49* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1254 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover | 211.70 | 10.49 |
| | | *For Elevated Installation >10' To 15', Add* | *2.10* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.19* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.48* | |
| | | *For Elevated Installation >40', Add* | *11.53* | |
| | | *For Work In Restricted Working Space, Add* | *6.29* | |
| 26 05 33 13-1255 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover | 214.70 | 11.98 |
| | | *For Elevated Installation >10' To 15', Add* | *2.40* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.79* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.99* | |
| | | *For Elevated Installation >25' To 30', Add* | *8.39* | |
| | | *For Elevated Installation >30' To 35', Add* | *9.58* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.98* | |
| | | *For Elevated Installation >40', Add* | *13.18* | |
| | | *For Work In Restricted Working Space, Add* | *7.19* | |
| 26 05 33 13-1256 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover | 374.56 | 14.22 |
| | | *For Elevated Installation >10' To 15', Add* | *2.85* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.23* | |
| | | *For Elevated Installation >40', Add* | *15.65* | |
| | | *For Work In Restricted Working Space, Add* | *8.54* | |
| 26 05 33 13-1257 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover | 382.05 | 17.96 |
| | | *For Elevated Installation >10' To 15', Add* | *3.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.19* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.99* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.58* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.97* | |
| | | *For Elevated Installation >40', Add* | *19.77* | |
| | | *For Work In Restricted Working Space, Add* | *10.78* | |
| 26 05 33 13-1258 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover | 574.81 | 20.21 |
| | | *For Elevated Installation >10' To 15', Add* | *4.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.09* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.15* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.17* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.22* | |
| | | *For Elevated Installation >40', Add* | *22.24* | |
| | | *For Work In Restricted Working Space, Add* | *12.13* | |
| 26 05 33 13-1259 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover | 586.79 | 26.20 |
| | | *For Elevated Installation >10' To 15', Add* | *5.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.48* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.96* | |
| | | *For Elevated Installation >35' To 40', Add* | *26.21* | |
| | | *For Elevated Installation >40', Add* | *28.83* | |
| | | *For Work In Restricted Working Space, Add* | *15.72* | |

## 26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1261 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting | 255.95 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| 26 05 33 13-1262 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting | 302.50 | 23.21 |
| | | *For Elevated Installation >10' To 15', Add* | *4.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.60* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.21* | |
| | | *For Elevated Installation >40', Add* | *25.53* | |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1263 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting | 358.17 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-1264 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting | 441.05 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-1265 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting | 589.00 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-1266 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting | 814.56 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1267 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting | 1,162.69 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-1268 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting | 1,446.28 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| 26 05 33 13-1269 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting | 2,027.49 | 79.35 |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| 26 05 33 13-1270 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting | 2,337.80 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |

## 26 05 33 13-1271 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1272 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper | 405.66 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1273 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper | 421.58 | 23.21 |
| | | *For Elevated Installation >10' To 15', Add* | *4.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.60* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.21* | |
| | | *For Elevated Installation >40', Add* | *25.53* | |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| 26 05 33 13-1274 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper | 473.71 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-1275 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper | 573.08 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-1276 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper | 694.43 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-1277 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper | 887.14 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1278 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper | 1,308.89 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-1279 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper | 1,641.65 | 70.37 |
| | | *For Elevated Installation >10' To 15', Add* | *14.08* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.15* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.26* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.30* | |
| | | *For Elevated Installation >35' To 40', Add* | *70.38* | |
| | | *For Elevated Installation >40', Add* | *77.41* | |
| | | *For Work In Restricted Working Space, Add* | *42.23* | |
| 26 05 33 13-1280 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper | 2,090.56 | 79.35 |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1281 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper | 2,617.12 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |

## 26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1283 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub | 84.82 | 8.98 |
| | | *For Elevated Installation >10' To 15', Add* | *1.80* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.49* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.98* | |
| | | *For Elevated Installation >40', Add* | *9.88* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.39* | |
| 26 05 33 13-1284 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub | 92.14 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |
| 26 05 33 13-1285 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub | 101.50 | 13.47 |
| | | *For Elevated Installation >10' To 15', Add* | *2.70* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.39* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.74* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.44* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.78* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.48* | |
| | | *For Elevated Installation >40', Add* | *14.83* | |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.09* | |
| 26 05 33 13-1286 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub | 114.95 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |
| 26 05 33 13-1287 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub | 154.24 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1288 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub | 188.27 | 20.96 |
| | | *For Elevated Installation >10' To 15', Add* | *4.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.96* | |
| | | *For Elevated Installation >40', Add* | *23.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.58* | |
| 26 05 33 13-1289 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub | 269.10 | 26.20 |
| | | *For Elevated Installation >10' To 15', Add* | *5.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.48* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.96* | |
| | | *For Elevated Installation >35' To 40', Add* | *26.21* | |
| | | *For Elevated Installation >40', Add* | *28.83* | |
| | | *For Work In Restricted Working Space, Add* | *15.72* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.72* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1290 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub | 351.40 | 35.19 |
| | | *For Elevated Installation >10' To 15', Add* | *7.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.19* | |
| | | *For Elevated Installation >40', Add* | *38.70* | |
| | | *For Work In Restricted Working Space, Add* | *21.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.11* | |
| 26 05 33 13-1291 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub | 448.12 | 39.68 |
| | | *For Elevated Installation >10' To 15', Add* | *7.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.78* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.68* | |
| | | *For Elevated Installation >40', Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *23.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.81* | |
| 26 05 33 13-1292 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub | 563.79 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |
| 26 05 33 13-1293 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub | 703.22 | 83.85 |
| | | *For Elevated Installation >10' To 15', Add* | *16.77* | |
| | | *For Elevated Installation >15' To 20', Add* | *33.54* | |
| | | *For Elevated Installation >20' To 25', Add* | *41.93* | |
| | | *For Elevated Installation >25' To 30', Add* | *58.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *67.08* | |
| | | *For Elevated Installation >35' To 40', Add* | *83.85* | |
| | | *For Elevated Installation >40', Add* | *92.24* | |
| | | *For Work In Restricted Working Space, Add* | *50.31* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *50.31* | |
| 26 05 33 13-1294 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub | 1,060.58 | 126.53 |
| | | *For Elevated Installation >10' To 15', Add* | *25.31* | |
| | | *For Elevated Installation >15' To 20', Add* | *50.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *63.26* | |
| | | *For Elevated Installation >25' To 30', Add* | *88.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *101.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *126.53* | |
| | | *For Elevated Installation >40', Add* | *139.18* | |
| | | *For Work In Restricted Working Space, Add* | *75.92* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.92* | |

## 26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1296 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub | 127.35 | 8.98 |
| | | *For Elevated Installation >10' To 15', Add* | *1.80* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.49* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.98* | |
| | | *For Elevated Installation >40', Add* | *9.88* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.39* | |
| 26 05 33 13-1297 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub | 134.97 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |
| 26 05 33 13-1298 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub | 145.27 | 13.47 |
| | | *For Elevated Installation >10' To 15', Add* | *2.70* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.39* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.74* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.44* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.78* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.48* | |
| | | *For Elevated Installation >40', Add* | *14.83* | |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1299 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub | 165.99 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |
| 26 05 33 13-1300 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub | 178.34 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1301 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub | 201.69 | 20.96 |
| | | *For Elevated Installation >10' To 15', Add* | *4.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.96* | |
| | | *For Elevated Installation >40', Add* | *23.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.58* | |
| 26 05 33 13-1302 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub | 306.78 | 26.20 |
| | | *For Elevated Installation >10' To 15', Add* | *5.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.48* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.10* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.34* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.96* | |
| | | *For Elevated Installation >35' To 40', Add* | *26.21* | |
| | | *For Elevated Installation >40', Add* | *28.83* | |
| | | *For Work In Restricted Working Space, Add* | *15.72* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.72* | |
| 26 05 33 13-1303 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub | 367.65 | 35.19 |
| | | *For Elevated Installation >10' To 15', Add* | *7.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.19* | |
| | | *For Elevated Installation >40', Add* | *38.70* | |
| | | *For Work In Restricted Working Space, Add* | *21.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.11* | |
| 26 05 33 13-1304 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub | 451.63 | 39.68 |
| | | *For Elevated Installation >10' To 15', Add* | *7.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.78* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.68* | |
| | | *For Elevated Installation >40', Add* | *43.65* | |
| | | *For Work In Restricted Working Space, Add* | *23.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.81* | |
| 26 05 33 13-1305 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub | 586.44 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |
| 26 05 33 13-1306 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub | 912.70 | 83.85 |
| | | *For Elevated Installation >10' To 15', Add* | *16.77* | |
| | | *For Elevated Installation >15' To 20', Add* | *33.54* | |
| | | *For Elevated Installation >20' To 25', Add* | *41.93* | |
| | | *For Elevated Installation >25' To 30', Add* | *58.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *67.08* | |
| | | *For Elevated Installation >35' To 40', Add* | *83.85* | |
| | | *For Elevated Installation >40', Add* | *92.24* | |
| | | *For Work In Restricted Working Space, Add* | *50.31* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *50.31* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1307 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub | 1,492.26 | 126.53 |
| | | *For Elevated Installation >10' To 15', Add* | *25.31* | |
| | | *For Elevated Installation >15' To 20', Add* | *50.61* | |
| | | *For Elevated Installation >20' To 25', Add* | *63.26* | |
| | | *For Elevated Installation >25' To 30', Add* | *88.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *101.22* | |
| | | *For Elevated Installation >35' To 40', Add* | *126.53* | |
| | | *For Elevated Installation >40', Add* | *139.18* | |
| | | *For Work In Restricted Working Space, Add* | *75.92* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.92* | |

## 26 05 33 13-1308 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1309 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub | 136.80 | 8.98 |
| | | *For Elevated Installation >10' To 15', Add* | *1.80* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.49* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.98* | |
| | | *For Elevated Installation >40', Add* | *9.88* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.39* | |
| 26 05 33 13-1310 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub | 143.95 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |
| 26 05 33 13-1311 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub | 154.65 | 13.47 |
| | | *For Elevated Installation >10' To 15', Add* | *2.70* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.39* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.74* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.44* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.78* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.48* | |
| | | *For Elevated Installation >40', Add* | *14.83* | |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.09* | |
| 26 05 33 13-1312 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub | 194.47 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |
| 26 05 33 13-1313 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub | 212.71 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1314 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub | 225.41 | 20.96 |
| | | *For Elevated Installation >10' To 15', Add* | *4.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.96* | |
| | | *For Elevated Installation >40', Add* | *23.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.58* | |

## 26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions *(26 05 33 13-0848)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1316 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union | 103.04 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| 26 05 33 13-1317 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union | 113.22 | 23.21 |
| | | *For Elevated Installation >10' To 15', Add* | *4.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.60* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.21* | |
| | | *For Elevated Installation >40', Add* | *25.53* | |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| 26 05 33 13-1318 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union | 146.46 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-1319 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union | 210.02 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-1320 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union | 248.72 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-1321 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union | 314.04 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |
| 26 05 33 13-1322 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union | 416.98 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-1323 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union | 535.75 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-1324 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union | 695.13 | 79.35 |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1325 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union | 895.39 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| 26 05 33 13-1326 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union | 1,624.28 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| 26 05 33 13-1327 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union | 2,039.36 | 253.05 |
| | | *For Elevated Installation >10' To 15', Add* | *50.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *101.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *126.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *177.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *202.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *253.05* | |
| | | *For Elevated Installation >40', Add* | *278.36* | |
| | | *For Work In Restricted Working Space, Add* | *151.83* | |

## 26 05 33 13-1328 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1329 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union | 105.25 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| 26 05 33 13-1330 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union | 121.66 | 23.21 |
| | | *For Elevated Installation >10' To 15', Add* | *4.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *9.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *11.60* | |
| | | *For Elevated Installation >25' To 30', Add* | *16.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *18.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *23.21* | |
| | | *For Elevated Installation >40', Add* | *25.53* | |
| | | *For Work In Restricted Working Space, Add* | *13.92* | |
| 26 05 33 13-1331 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union | 150.96 | 28.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.45* | |
| | | *For Elevated Installation >40', Add* | *31.30* | |
| | | *For Work In Restricted Working Space, Add* | *17.07* | |
| 26 05 33 13-1332 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union | 218.28 | 32.94 |
| | | *For Elevated Installation >10' To 15', Add* | *6.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *13.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *16.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *23.06* | |
| | | *For Elevated Installation >30' To 35', Add* | *26.35* | |
| | | *For Elevated Installation >35' To 40', Add* | *32.94* | |
| | | *For Elevated Installation >40', Add* | *36.23* | |
| | | *For Work In Restricted Working Space, Add* | *19.76* | |
| 26 05 33 13-1333 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union | 260.18 | 37.43 |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| 26 05 33 13-1334 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union | 338.80 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.29* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1335 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union | 469.96 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-1336 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union | 589.62 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| 26 05 33 13-1337 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union | 792.52 | 79.35 |
| | | *For Elevated Installation >10' To 15', Add* | *15.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *39.68* | |
| | | *For Elevated Installation >25' To 30', Add* | *55.55* | |
| | | *For Elevated Installation >30' To 35', Add* | *63.49* | |
| | | *For Elevated Installation >35' To 40', Add* | *79.36* | |
| | | *For Elevated Installation >40', Add* | *87.30* | |
| | | *For Work In Restricted Working Space, Add* | *47.62* | |
| 26 05 33 13-1338 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union | 992.43 | 103.31 |
| | | *For Elevated Installation >10' To 15', Add* | *20.66* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.33* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.65* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.32* | |
| | | *For Elevated Installation >40', Add* | *113.65* | |
| | | *For Work In Restricted Working Space, Add* | *61.99* | |
| 26 05 33 13-1339 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union | 1,802.16 | 168.45 |
| | | *For Elevated Installation >10' To 15', Add* | *33.69* | |
| | | *For Elevated Installation >15' To 20', Add* | *67.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *84.23* | |
| | | *For Elevated Installation >25' To 30', Add* | *117.92* | |
| | | *For Elevated Installation >30' To 35', Add* | *134.76* | |
| | | *For Elevated Installation >35' To 40', Add* | *168.45* | |
| | | *For Elevated Installation >40', Add* | *185.30* | |
| | | *For Work In Restricted Working Space, Add* | *101.07* | |
| 26 05 33 13-1340 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union | 2,326.57 | 253.05 |
| | | *For Elevated Installation >10' To 15', Add* | *50.61* | |
| | | *For Elevated Installation >15' To 20', Add* | *101.22* | |
| | | *For Elevated Installation >20' To 25', Add* | *126.53* | |
| | | *For Elevated Installation >25' To 30', Add* | *177.14* | |
| | | *For Elevated Installation >30' To 35', Add* | *202.44* | |
| | | *For Elevated Installation >35' To 40', Add* | *253.05* | |
| | | *For Elevated Installation >40', Add* | *278.36* | |
| | | *For Work In Restricted Working Space, Add* | *151.83* | |

## 26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1342 | EA | 3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 56.37 | 5.98 |
| | | *For Elevated Installation >10' To 15', Add* | *1.20* | |
| | | *For Elevated Installation >15' To 20', Add* | *2.40* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.00* | |
| | | *For Elevated Installation >25' To 30', Add* | *4.19* | |
| | | *For Elevated Installation >30' To 35', Add* | *4.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *5.99* | |
| | | *For Elevated Installation >40', Add* | *6.59* | |
| | | *For Work In Restricted Working Space, Add* | *3.59* | |
| 26 05 33 13-1343 | EA | 1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 62.03 | 7.49 |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| 26 05 33 13-1344 | EA | 1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 70.32 | 7.49 |
| | | *For Elevated Installation >10' To 15', Add* | *1.50* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.00* | |
| | | *For Elevated Installation >20' To 25', Add* | *3.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.24* | |
| | | *For Elevated Installation >30' To 35', Add* | *5.99* | |
| | | *For Elevated Installation >35' To 40', Add* | *7.49* | |
| | | *For Elevated Installation >40', Add* | *8.24* | |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1345 | EA | 1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 86.68 | 8.24 |
| | | *For Elevated Installation >10' To 15', Add* | *1.65* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.29* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.12* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.76* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.59* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.24* | |
| | | *For Elevated Installation >40', Add* | *9.06* | |
| | | *For Work In Restricted Working Space, Add* | *4.94* | |
| 26 05 33 13-1346 | EA | 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 91.46 | 8.24 |
| | | *For Elevated Installation >10' To 15', Add* | *1.65* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.29* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.12* | |
| | | *For Elevated Installation >25' To 30', Add* | *5.76* | |
| | | *For Elevated Installation >30' To 35', Add* | *6.59* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.24* | |
| | | *For Elevated Installation >40', Add* | *9.06* | |
| | | *For Work In Restricted Working Space, Add* | *4.94* | |
| 26 05 33 13-1347 | EA | 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 79.13 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| 26 05 33 13-1348 | EA | 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 89.81 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| 26 05 33 13-1349 | EA | 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 137.83 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| 26 05 33 13-1350 | EA | 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 153.30 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| 26 05 33 13-1351 | EA | 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 149.16 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| 26 05 33 13-1352 | EA | 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 156.86 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| 26 05 33 13-1353 | EA | 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 176.23 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1354 | EA | 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 175.51 | 13.47 |
| | | *For Elevated Installation >10' To 15', Add* | *2.70* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.39* | |
| | | *For Elevated Installation >20' To 25', Add* | *6.74* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.43* | |
| | | *For Elevated Installation >30' To 35', Add* | *10.78* | |
| | | *For Elevated Installation >35' To 40', Add* | *13.48* | |
| | | *For Elevated Installation >40', Add* | *14.82* | |
| | | *For Work In Restricted Working Space, Add* | *8.09* | |
| 26 05 33 13-1355 | EA | 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 224.13 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| 26 05 33 13-1356 | EA | 3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 328.78 | 21.71 |
| | | *For Elevated Installation >10' To 15', Add* | *4.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.86* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.37* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.72* | |
| | | *For Elevated Installation >40', Add* | *23.89* | |
| | | *For Work In Restricted Working Space, Add* | *13.03* | |
| 26 05 33 13-1357 | EA | 4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 440.07 | 29.94 |
| | | *For Elevated Installation >10' To 15', Add* | *5.99* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.98* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.98* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.97* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.96* | |
| | | *For Elevated Installation >35' To 40', Add* | *29.95* | |
| | | *For Elevated Installation >40', Add* | *32.95* | |
| | | *For Work In Restricted Working Space, Add* | *17.97* | |
| 26 05 33 13-1358 | EA | 5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling | 551.10 | 41.18 |
| | | *For Elevated Installation >10' To 15', Add* | *8.24* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.83* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *41.18* | |
| | | *For Elevated Installation >40', Add* | *45.30* | |
| | | *For Work In Restricted Working Space, Add* | *24.71* | |

## 26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples *(26 05 33 13-0848)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1360 | EA | 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 36.57 | 8.98 |
| | | *For Elevated Installation >10' To 15', Add* | *1.80* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.49* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.29* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *8.98* | |
| | | *For Elevated Installation >40', Add* | *9.88* | |
| | | *For Work In Restricted Working Space, Add* | *5.39* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.39* | |
| 26 05 33 13-1361 | EA | 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 41.42 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |
| 26 05 33 13-1362 | EA | 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 48.46 | 14.22 |
| | | *For Elevated Installation >10' To 15', Add* | *2.85* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.23* | |
| | | *For Elevated Installation >40', Add* | *15.65* | |
| | | *For Work In Restricted Working Space, Add* | *8.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.54* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1363 | EA | 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 57.55 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |
| 26 05 33 13-1364 | EA | 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 62.85 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1365 | EA | 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 40.47 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.84* | |
| 26 05 33 13-1366 | EA | 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 43.97 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.62* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |
| 26 05 33 13-1367 | EA | 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 51.02 | 14.22 |
| | | *For Elevated Installation >10' To 15', Add* | *2.85* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.23* | |
| | | *For Elevated Installation >40', Add* | *15.65* | |
| | | *For Work In Restricted Working Space, Add* | *8.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.54* | |
| 26 05 33 13-1368 | EA | 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 60.27 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |
| 26 05 33 13-1369 | EA | 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 65.77 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1370 | EA | 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 71.54 | 20.96 |
| | | *For Elevated Installation >10' To 15', Add* | *4.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.96* | |
| | | *For Elevated Installation >40', Add* | *23.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.58* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1371 | EA | 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 40.65 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.84* | |
| 26 05 33 13-1372 | EA | 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 44.13 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |
| 26 05 33 13-1373 | EA | 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 51.35 | 14.22 |
| | | *For Elevated Installation >10' To 15', Add* | *2.85* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.23* | |
| | | *For Elevated Installation >40', Add* | *15.65* | |
| | | *For Work In Restricted Working Space, Add* | *8.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.54* | |
| 26 05 33 13-1374 | EA | 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 60.62 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |
| 26 05 33 13-1375 | EA | 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 66.13 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1376 | EA | 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 72.45 | 20.96 |
| | | *For Elevated Installation >10' To 15', Add* | *4.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.96* | |
| | | *For Elevated Installation >40', Add* | *23.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.58* | |
| 26 05 33 13-1377 | EA | 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 43.06 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.84* | |
| 26 05 33 13-1378 | EA | 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 46.55 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1379 | EA | 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 53.95 | 14.22 |
| | | *For Elevated Installation >10' To 15', Add* | *2.85* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.23* | |
| | | *For Elevated Installation >40', Add* | *15.65* | |
| | | *For Work In Restricted Working Space, Add* | *8.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.54* | |
| 26 05 33 13-1380 | EA | 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 62.10 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |
| 26 05 33 13-1381 | EA | 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 67.76 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1382 | EA | 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 75.30 | 20.96 |
| | | *For Elevated Installation >10' To 15', Add* | *4.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.96* | |
| | | *For Elevated Installation >40', Add* | *23.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.58* | |
| 26 05 33 13-1383 | EA | 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 103.88 | 25.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.09* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.45* | |
| | | *For Elevated Installation >40', Add* | *28.00* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.27* | |
| 26 05 33 13-1384 | EA | 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 135.19 | 35.19 |
| | | *For Elevated Installation >10' To 15', Add* | *7.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.19* | |
| | | *For Elevated Installation >40', Add* | *38.70* | |
| | | *For Work In Restricted Working Space, Add* | *21.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.11* | |
| 26 05 33 13-1385 | EA | 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 43.24 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.84* | |
| 26 05 33 13-1386 | EA | 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 46.88 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1387 | EA | 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 54.30 | 14.22 |
| | | *For Elevated Installation >10' To 15', Add* | *2.85* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.23* | |
| | | *For Elevated Installation >40', Add* | *15.65* | |
| | | *For Work In Restricted Working Space, Add* | *8.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.54* | |
| 26 05 33 13-1388 | EA | 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 63.57 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |
| 26 05 33 13-1389 | EA | 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 69.38 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1390 | EA | 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 78.15 | 20.96 |
| | | *For Elevated Installation >10' To 15', Add* | *4.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.96* | |
| | | *For Elevated Installation >40', Add* | *23.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.58* | |
| 26 05 33 13-1391 | EA | 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 106.39 | 25.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.09* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.45* | |
| | | *For Elevated Installation >40', Add* | *28.00* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.27* | |
| 26 05 33 13-1392 | EA | 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 140.61 | 35.19 |
| | | *For Elevated Installation >10' To 15', Add* | *7.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.19* | |
| | | *For Elevated Installation >40', Add* | *38.70* | |
| | | *For Work In Restricted Working Space, Add* | *21.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.11* | |
| 26 05 33 13-1393 | EA | 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 166.95 | 39.68 |
| | | *For Elevated Installation >10' To 15', Add* | *7.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.77* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.68* | |
| | | *For Elevated Installation >40', Add* | *43.64* | |
| | | *For Work In Restricted Working Space, Add* | *23.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.81* | |
| 26 05 33 13-1394 | EA | 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 197.04 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1395 | EA | 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 43.57 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.84* | |
| 26 05 33 13-1396 | EA | 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 47.24 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |
| 26 05 33 13-1397 | EA | 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 54.68 | 14.22 |
| | | *For Elevated Installation >10' To 15', Add* | *2.85* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.23* | |
| | | *For Elevated Installation >40', Add* | *15.65* | |
| | | *For Work In Restricted Working Space, Add* | *8.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.54* | |
| 26 05 33 13-1398 | EA | 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 64.26 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |
| 26 05 33 13-1399 | EA | 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 70.10 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1400 | EA | 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 79.70 | 20.96 |
| | | *For Elevated Installation >10' To 15', Add* | *4.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.96* | |
| | | *For Elevated Installation >40', Add* | *23.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.58* | |
| 26 05 33 13-1401 | EA | 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 116.41 | 25.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.09* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.45* | |
| | | *For Elevated Installation >40', Add* | *28.00* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.27* | |
| 26 05 33 13-1402 | EA | 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 148.72 | 35.19 |
| | | *For Elevated Installation >10' To 15', Add* | *7.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.19* | |
| | | *For Elevated Installation >40', Add* | *38.70* | |
| | | *For Work In Restricted Working Space, Add* | *21.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1403 | EA | 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 168.68 | 39.68 |
| | | *For Elevated Installation >10' To 15', Add* | *7.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.77* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.68* | |
| | | *For Elevated Installation >40', Add* | *43.64* | |
| | | *For Work In Restricted Working Space, Add* | *23.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.81* | |
| 26 05 33 13-1404 | EA | 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 201.66 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |
| 26 05 33 13-1405 | EA | 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 295.23 | 71.12 |
| | | *For Elevated Installation >10' To 15', Add* | *14.22* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.78* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.12* | |
| | | *For Elevated Installation >40', Add* | *78.23* | |
| | | *For Work In Restricted Working Space, Add* | *42.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.67* | |
| 26 05 33 13-1406 | EA | 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 44.20 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.84* | |
| 26 05 33 13-1407 | EA | 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 47.87 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |
| 26 05 33 13-1408 | EA | 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 55.37 | 14.22 |
| | | *For Elevated Installation >10' To 15', Add* | *2.85* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.23* | |
| | | *For Elevated Installation >40', Add* | *15.65* | |
| | | *For Work In Restricted Working Space, Add* | *8.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.54* | |
| 26 05 33 13-1409 | EA | 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 65.53 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |
| 26 05 33 13-1410 | EA | 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 71.62 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1411 | EA | 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 81.25 | 20.96 |
| | | *For Elevated Installation >10' To 15', Add* | *4.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.96* | |
| | | *For Elevated Installation >40', Add* | *23.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.58* | |
| 26 05 33 13-1412 | EA | 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 126.58 | 25.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.09* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.45* | |
| | | *For Elevated Installation >40', Add* | *28.00* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.27* | |
| 26 05 33 13-1413 | EA | 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 159.50 | 35.19 |
| | | *For Elevated Installation >10' To 15', Add* | *7.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.19* | |
| | | *For Elevated Installation >40', Add* | *38.70* | |
| | | *For Work In Restricted Working Space, Add* | *21.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.11* | |
| 26 05 33 13-1414 | EA | 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 178.39 | 39.68 |
| | | *For Elevated Installation >10' To 15', Add* | *7.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.77* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.68* | |
| | | *For Elevated Installation >40', Add* | *43.64* | |
| | | *For Work In Restricted Working Space, Add* | *23.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.81* | |
| 26 05 33 13-1415 | EA | 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 218.04 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |
| 26 05 33 13-1416 | EA | 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 319.71 | 71.12 |
| | | *For Elevated Installation >10' To 15', Add* | *14.22* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.78* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.12* | |
| | | *For Elevated Installation >40', Add* | *78.23* | |
| | | *For Work In Restricted Working Space, Add* | *42.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.67* | |
| 26 05 33 13-1417 | EA | 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 45.20 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.84* | |
| 26 05 33 13-1418 | EA | 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 48.84 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1419 | EA | 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 56.90 | 14.22 |
| | | *For Elevated Installation >10' To 15', Add* | *2.85* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.23* | |
| | | *For Elevated Installation >40', Add* | *15.65* | |
| | | *For Work In Restricted Working Space, Add* | *8.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.54* | |
| 26 05 33 13-1420 | EA | 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 65.86 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |
| 26 05 33 13-1421 | EA | 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 74.72 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1422 | EA | 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 88.82 | 20.96 |
| | | *For Elevated Installation >10' To 15', Add* | *4.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.96* | |
| | | *For Elevated Installation >40', Add* | *23.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.58* | |
| 26 05 33 13-1423 | EA | 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 139.09 | 25.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.09* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.45* | |
| | | *For Elevated Installation >40', Add* | *28.00* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.27* | |
| 26 05 33 13-1424 | EA | 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 174.24 | 35.19 |
| | | *For Elevated Installation >10' To 15', Add* | *7.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.19* | |
| | | *For Elevated Installation >40', Add* | *38.70* | |
| | | *For Work In Restricted Working Space, Add* | *21.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.11* | |
| 26 05 33 13-1425 | EA | 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 202.69 | 39.68 |
| | | *For Elevated Installation >10' To 15', Add* | *7.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.77* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.68* | |
| | | *For Elevated Installation >40', Add* | *43.64* | |
| | | *For Work In Restricted Working Space, Add* | *23.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.81* | |
| 26 05 33 13-1426 | EA | 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 242.62 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1427 | EA | 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 336.48 | 71.12 |
| | | *For Elevated Installation >10' To 15', Add* | *14.22* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.78* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.12* | |
| | | *For Elevated Installation >40', Add* | *78.23* | |
| | | *For Work In Restricted Working Space, Add* | *42.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.67* | |
| 26 05 33 13-1428 | EA | 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 46.24 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.84* | |
| 26 05 33 13-1429 | EA | 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 49.85 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |
| 26 05 33 13-1430 | EA | 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 58.40 | 14.22 |
| | | *For Elevated Installation >10' To 15', Add* | *2.85* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.23* | |
| | | *For Elevated Installation >40', Add* | *15.65* | |
| | | *For Work In Restricted Working Space, Add* | *8.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.54* | |
| 26 05 33 13-1431 | EA | 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 70.44 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |
| 26 05 33 13-1432 | EA | 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 82.10 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1433 | EA | 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 99.96 | 20.96 |
| | | *For Elevated Installation >10' To 15', Add* | *4.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.96* | |
| | | *For Elevated Installation >40', Add* | *23.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.58* | |
| 26 05 33 13-1434 | EA | 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 152.31 | 25.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.09* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.45* | |
| | | *For Elevated Installation >40', Add* | *28.00* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.27* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1435 | EA | 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 193.13 | 35.19 |
| | | *For Elevated Installation >10' To 15', Add* | *7.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.19* | |
| | | *For Elevated Installation >40', Add* | *38.70* | |
| | | *For Work In Restricted Working Space, Add* | *21.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.11* | |
| 26 05 33 13-1436 | EA | 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 228.22 | 39.68 |
| | | *For Elevated Installation >10' To 15', Add* | *7.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.77* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.68* | |
| | | *For Elevated Installation >40', Add* | *43.64* | |
| | | *For Work In Restricted Working Space, Add* | *23.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.81* | |
| 26 05 33 13-1437 | EA | 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 285.63 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |
| 26 05 33 13-1438 | EA | 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 369.96 | 71.12 |
| | | *For Elevated Installation >10' To 15', Add* | *14.22* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.78* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.12* | |
| | | *For Elevated Installation >40', Add* | *78.23* | |
| | | *For Work In Restricted Working Space, Add* | *42.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.67* | |
| 26 05 33 13-1439 | EA | 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 47.31 | 9.73 |
| | | *For Elevated Installation >10' To 15', Add* | *1.95* | |
| | | *For Elevated Installation >15' To 20', Add* | *3.89* | |
| | | *For Elevated Installation >20' To 25', Add* | *4.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *6.81* | |
| | | *For Elevated Installation >30' To 35', Add* | *7.79* | |
| | | *For Elevated Installation >35' To 40', Add* | *9.74* | |
| | | *For Elevated Installation >40', Add* | *10.71* | |
| | | *For Work In Restricted Working Space, Add* | *5.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.84* | |
| 26 05 33 13-1440 | EA | 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 51.05 | 11.23 |
| | | *For Elevated Installation >10' To 15', Add* | *2.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.61* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.86* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.98* | |
| | | *For Elevated Installation >35' To 40', Add* | *11.23* | |
| | | *For Elevated Installation >40', Add* | *12.35* | |
| | | *For Work In Restricted Working Space, Add* | *6.74* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.74* | |
| 26 05 33 13-1441 | EA | 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 62.21 | 14.22 |
| | | *For Elevated Installation >10' To 15', Add* | *2.85* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.69* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *9.96* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.38* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.23* | |
| | | *For Elevated Installation >40', Add* | *15.65* | |
| | | *For Work In Restricted Working Space, Add* | *8.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.54* | |
| 26 05 33 13-1442 | EA | 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 77.96 | 16.47 |
| | | *For Elevated Installation >10' To 15', Add* | *3.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *6.59* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.24* | |
| | | *For Elevated Installation >25' To 30', Add* | *11.53* | |
| | | *For Elevated Installation >30' To 35', Add* | *13.18* | |
| | | *For Elevated Installation >35' To 40', Add* | *16.47* | |
| | | *For Elevated Installation >40', Add* | *18.12* | |
| | | *For Work In Restricted Working Space, Add* | *9.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1443 | EA | 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 91.02 | 18.72 |
| | | *For Elevated Installation >10' To 15', Add* | *3.74* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.49* | |
| | | *For Elevated Installation >20' To 25', Add* | *9.36* | |
| | | *For Elevated Installation >25' To 30', Add* | *13.10* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.97* | |
| | | *For Elevated Installation >35' To 40', Add* | *18.72* | |
| | | *For Elevated Installation >40', Add* | *20.59* | |
| | | *For Work In Restricted Working Space, Add* | *11.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.23* | |
| 26 05 33 13-1444 | EA | 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 108.90 | 20.96 |
| | | *For Elevated Installation >10' To 15', Add* | *4.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.48* | |
| | | *For Elevated Installation >25' To 30', Add* | *14.67* | |
| | | *For Elevated Installation >30' To 35', Add* | *16.77* | |
| | | *For Elevated Installation >35' To 40', Add* | *20.96* | |
| | | *For Elevated Installation >40', Add* | *23.06* | |
| | | *For Work In Restricted Working Space, Add* | *12.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.58* | |
| 26 05 33 13-1445 | EA | 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 169.95 | 25.45 |
| | | *For Elevated Installation >10' To 15', Add* | *5.09* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.73* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.82* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.45* | |
| | | *For Elevated Installation >40', Add* | *28.00* | |
| | | *For Work In Restricted Working Space, Add* | *15.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.27* | |
| 26 05 33 13-1446 | EA | 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 221.45 | 35.19 |
| | | *For Elevated Installation >10' To 15', Add* | *7.04* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.07* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.59* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.63* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.19* | |
| | | *For Elevated Installation >40', Add* | *38.70* | |
| | | *For Work In Restricted Working Space, Add* | *21.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.11* | |
| 26 05 33 13-1447 | EA | 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 243.88 | 39.68 |
| | | *For Elevated Installation >10' To 15', Add* | *7.94* | |
| | | *For Elevated Installation >15' To 20', Add* | *15.87* | |
| | | *For Elevated Installation >20' To 25', Add* | *19.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *27.77* | |
| | | *For Elevated Installation >30' To 35', Add* | *31.74* | |
| | | *For Elevated Installation >35' To 40', Add* | *39.68* | |
| | | *For Elevated Installation >40', Add* | *43.64* | |
| | | *For Work In Restricted Working Space, Add* | *23.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.81* | |
| 26 05 33 13-1448 | EA | 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 298.83 | 51.66 |
| | | *For Elevated Installation >10' To 15', Add* | *10.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.66* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *36.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *41.32* | |
| | | *For Elevated Installation >35' To 40', Add* | *51.66* | |
| | | *For Elevated Installation >40', Add* | *56.82* | |
| | | *For Work In Restricted Working Space, Add* | *30.99* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.99* | |
| 26 05 33 13-1449 | EA | 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple | 374.74 | 71.12 |
| | | *For Elevated Installation >10' To 15', Add* | *14.22* | |
| | | *For Elevated Installation >15' To 20', Add* | *28.45* | |
| | | *For Elevated Installation >20' To 25', Add* | *35.56* | |
| | | *For Elevated Installation >25' To 30', Add* | *49.78* | |
| | | *For Elevated Installation >30' To 35', Add* | *56.90* | |
| | | *For Elevated Installation >35' To 40', Add* | *71.12* | |
| | | *For Elevated Installation >40', Add* | *78.23* | |
| | | *For Work In Restricted Working Space, Add* | *42.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.67* | |

## 26 05 33 13-1450 Aluminum Rigid Conduit (ARC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

## 26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling *(26 05 33 13-1450)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1452 | LF | 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling | 6.83 | 2.31 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.86* | |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| 26 05 33 13-1453 | LF | 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling | 7.78 | 2.54 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.95* | |
| | | *For Work In Restricted Working Space, Add* | *1.90* | |
| 26 05 33 13-1454 | LF | 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling | 8.96 | 2.77 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.04* | |
| | | *For Work In Restricted Working Space, Add* | *2.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1455 | LF | 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling | 10.17 | 3.00 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.12* | |
| | | *For Work In Restricted Working Space, Add* | *2.25* | |
| 26 05 33 13-1456 | LF | 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling | 11.39 | 3.23 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.21* | |
| | | *For Work In Restricted Working Space, Add* | *2.42* | |
| 26 05 33 13-1457 | LF | 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling | 13.66 | 3.69 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.38* | |
| | | *For Work In Restricted Working Space, Add* | *2.76* | |
| 26 05 33 13-1458 | LF | 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling | 18.55 | 4.61 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.73* | |
| | | *For Work In Restricted Working Space, Add* | *3.46* | |
| 26 05 33 13-1459 | LF | 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling | 23.06 | 5.53 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *2.07* | |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| 26 05 33 13-1460 | LF | 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling | 28.36 | 6.91 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *2.59* | |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| 26 05 33 13-1461 | LF | 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling | 35.02 | 8.75 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *3.28* | |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| 26 05 33 13-1462 | LF | 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling | 46.45 | 11.06 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *4.15* | |
| | | *For Work In Restricted Working Space, Add* | *8.30* | |
| 26 05 33 13-1463 | LF | 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling | 59.30 | 13.82 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *5.18* | |
| | | *For Work In Restricted Working Space, Add* | *10.37* | |

## 26 05 33 13-1464 Aluminum 90 Degree Elbows *(26 05 33 13-1450)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1465 | EA | 1" Aluminum 90 Degree Elbow | 41.39 | 11.98 |
| | | *For Work In Restricted Working Space, Add* | *8.98* | |
| 26 05 33 13-1466 | EA | 1-1/4" Aluminum 90 Degree Elbow | 52.18 | 13.59 |
| | | *For Work In Restricted Working Space, Add* | *10.19* | |
| 26 05 33 13-1467 | EA | 1-1/2" Aluminum 90 Degree Elbow | 63.38 | 15.67 |
| | | *For Work In Restricted Working Space, Add* | *11.75* | |
| 26 05 33 13-1468 | EA | 2" Aluminum 90 Degree Elbow | 80.56 | 17.96 |
| | | *For Work In Restricted Working Space, Add* | *13.48* | |
| 26 05 33 13-1469 | EA | 2-1/2" Aluminum 90 Degree Elbow | 114.78 | 21.88 |
| | | *For Work In Restricted Working Space, Add* | *16.41* | |
| 26 05 33 13-1470 | EA | 3" Aluminum 90 Degree Elbow | 163.62 | 28.33 |
| | | *For Work In Restricted Working Space, Add* | *21.25* | |
| 26 05 33 13-1471 | EA | 3-1/2" Aluminum 90 Degree Elbow | 224.19 | 31.79 |
| | | *For Work In Restricted Working Space, Add* | *23.84* | |
| 26 05 33 13-1472 | EA | 4" Aluminum 90 Degree Elbow | 271.22 | 39.85 |
| | | *For Work In Restricted Working Space, Add* | *29.89* | |
| 26 05 33 13-1473 | EA | 5" Aluminum 90 Degree Elbow | 669.77 | 64.96 |
| | | *For Work In Restricted Working Space, Add* | *48.72* | |
| 26 05 33 13-1474 | EA | 6" Aluminum 90 Degree Elbow | 946.15 | 97.67 |
| | | *For Work In Restricted Working Space, Add* | *73.25* | |

## 26 05 33 13-1475 Aluminum Bushing Set With Locknut *(26 05 33 13-1450)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1476 | EA | 1/2" Aluminum Bushing Set With Locknut | 12.39 | 4.61 |
| | | *For Work In Restricted Working Space, Add* | *3.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.46* | |
| 26 05 33 13-1477 | EA | 3/4" Aluminum Bushing Set With Locknut | 18.49 | 5.98 |
| | | *For Work In Restricted Working Space, Add* | *4.49* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-1478 | EA | 1" Aluminum Bushing Set With Locknut | 18.98 | 7.37 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.53* | |
| 26 05 33 13-1479 | EA | 1-1/4" Aluminum Bushing Set With Locknut | 21.36 | 8.29 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.22* | |
| 26 05 33 13-1480 | EA | 1-1/2" Aluminum Bushing Set With Locknut | 26.15 | 10.13 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-1481 | EA | 2" Aluminum Bushing Set With Locknut | 31.85 | 12.21 |
| | | *For Work In Restricted Working Space, Add* | *9.16* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.16* | |
| 26 05 33 13-1482 | EA | 2-1/2" Aluminum Bushing Set With Locknut | 39.00 | 14.52 |
| | | *For Work In Restricted Working Space, Add* | *10.88* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.88* | |
| 26 05 33 13-1483 | EA | 3" Aluminum Bushing Set With Locknut | 45.48 | 16.59 |
| | | *For Work In Restricted Working Space, Add* | *12.44* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.44* | |
| 26 05 33 13-1484 | EA | 3-1/2" Aluminum Bushing Set With Locknut | 49.20 | 17.96 |
| | | *For Work In Restricted Working Space, Add* | *13.48* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.48* | |
| 26 05 33 13-1485 | EA | 4" Aluminum Bushing Set With Locknut | 53.52 | 19.35 |
| | | *For Work In Restricted Working Space, Add* | *14.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.51* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1486 | EA | 5" Aluminum Bushing Set With Locknut | 70.93 | 25.80 |
| | | *For Work In Restricted Working Space, Add* | *19.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.35* | |
| 26 05 33 13-1487 | EA | 6" Aluminum Bushing Set With Locknut | 105.57 | 38.70 |
| | | *For Work In Restricted Working Space, Add* | *29.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *29.03* | |

## 26 05 33 13-1488 Schedule 40 Polyvinyl Chloride (PVC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

## 26 05 33 13-1489 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings *(26 05 33 13-1488)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1490 | LF | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End | 5.56 | 1.80 |
| | | *For Schedule 60, Add* | *0.49* | |
| | | *For Schedule 80, Add* | *0.82* | |
| 26 05 33 13-1491 | LF | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End | 6.35 | 1.97 |
| | | *For Schedule 60, Add* | *0.60* | |
| | | *For Schedule 80, Add* | *0.99* | |
| 26 05 33 13-1492 | LF | 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End | 7.87 | 2.30 |
| | | *For Schedule 60, Add* | *0.81* | |
| | | *For Schedule 80, Add* | *1.31* | |
| 26 05 33 13-1493 | LF | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End | 9.39 | 2.63 |
| | | *For Schedule 60, Add* | *1.03* | |
| | | *For Schedule 80, Add* | *1.64* | |
| 26 05 33 13-1494 | LF | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End | 11.05 | 3.07 |
| | | *For Schedule 60, Add* | *1.22* | |
| | | *For Schedule 80, Add* | *1.95* | |
| 26 05 33 13-1495 | LF | 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End | 13.20 | 3.52 |
| | | *For Schedule 60, Add* | *1.54* | |
| | | *For Schedule 80, Add* | *2.43* | |
| 26 05 33 13-1496 | LF | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End | 17.50 | 4.18 |
| | | *For Schedule 60, Add* | *2.29* | |
| | | *For Schedule 80, Add* | *3.52* | |
| 26 05 33 13-1497 | LF | 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End | 20.50 | 4.84 |
| | | *For Schedule 60, Add* | *2.71* | |
| | | *For Schedule 80, Add* | *4.15* | |
| 26 05 33 13-1498 | LF | 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End | 25.03 | 5.71 |
| | | *For Schedule 60, Add* | *3.40* | |
| | | *For Schedule 80, Add* | *5.19* | |
| 26 05 33 13-1499 | LF | 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End | 29.39 | 7.03 |
| | | *For Schedule 60, Add* | *3.83* | |
| | | *For Schedule 80, Add* | *5.89* | |
| 26 05 33 13-1500 | LF | 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End | 41.94 | 9.89 |
| | | *For Schedule 60, Add* | *5.54* | |
| | | *For Schedule 80, Add* | *8.50* | |
| 26 05 33 13-1501 | LF | 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End | 55.70 | 13.18 |
| | | *For Schedule 60, Add* | *7.33* | |
| | | *For Schedule 80, Add* | *11.26* | |

## 26 05 33 13-1502 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows *(26 05 33 13-1488)*

See CSI section 26 05 33 13-2329 for conduit field bending.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1503 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 23.52 | 8.78 |
| | | *For Schedule 60, Add* | *1.48* | |
| | | *For Schedule 80, Add* | *2.74* | |
| 26 05 33 13-1504 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 26.01 | 9.67 |
| | | *For Schedule 60, Add* | *1.67* | |
| | | *For Schedule 80, Add* | *3.06* | |
| 26 05 33 13-1505 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 30.34 | 10.99 |
| | | *For Schedule 60, Add* | *2.09* | |
| | | *For Schedule 80, Add* | *3.75* | |
| 26 05 33 13-1506 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 39.31 | 14.06 |
| | | *For Schedule 60, Add* | *2.80* | |
| | | *For Schedule 80, Add* | *4.97* | |
| 26 05 33 13-1507 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 49.57 | 17.58 |
| | | *For Schedule 60, Add* | *3.60* | |
| | | *For Schedule 80, Add* | *6.36* | |
| 26 05 33 13-1508 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 62.71 | 21.98 |
| | | *For Schedule 60, Add* | *4.69* | |
| | | *For Schedule 80, Add* | *8.22* | |
| 26 05 33 13-1509 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 79.70 | 26.36 |
| | | *For Schedule 60, Add* | *6.74* | |
| | | *For Schedule 80, Add* | *11.42* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1510 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 99.44 | 30.76 |
| | | *For Schedule 60, Add* | *9.48* | |
| | | *For Schedule 80, Add* | *15.58* | |
| 26 05 33 13-1511 | EA | 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 124.72 | 37.35 |
| | | *For Schedule 60, Add* | *12.50* | |
| | | *For Schedule 80, Add* | *20.31* | |
| 26 05 33 13-1512 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 150.19 | 43.94 |
| | | *For Schedule 60, Add* | *15.57* | |
| | | *For Schedule 80, Add* | *25.10* | |
| 26 05 33 13-1513 | EA | 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 208.37 | 54.93 |
| | | *For Schedule 60, Add* | *24.63* | |
| | | *For Schedule 80, Add* | *38.60* | |
| 26 05 33 13-1514 | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 255.36 | 65.92 |
| | | *For Schedule 60, Add* | *30.88* | |
| | | *For Schedule 80, Add* | *48.18* | |
| 26 05 33 13-1515 | | **Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows** *(26 05 33 13-1488)*<br>See CSI section 26 05 33 13-2329 for conduit field bending. | | |
| 26 05 33 13-1516 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 23.52 | 8.78 |
| | | *For Schedule 60, Add* | *1.48* | |
| | | *For Schedule 80, Add* | *2.74* | |
| 26 05 33 13-1517 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 25.90 | 9.67 |
| | | *For Schedule 60, Add* | *1.64* | |
| | | *For Schedule 80, Add* | *3.02* | |
| 26 05 33 13-1518 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 30.18 | 10.99 |
| | | *For Schedule 60, Add* | *2.05* | |
| | | *For Schedule 80, Add* | *3.70* | |
| 26 05 33 13-1519 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 38.87 | 14.06 |
| | | *For Schedule 60, Add* | *2.69* | |
| | | *For Schedule 80, Add* | *4.81* | |
| 26 05 33 13-1520 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 48.57 | 17.58 |
| | | *For Schedule 60, Add* | *3.35* | |
| | | *For Schedule 80, Add* | *6.01* | |
| 26 05 33 13-1521 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 62.18 | 21.98 |
| | | *For Schedule 60, Add* | *4.56* | |
| | | *For Schedule 80, Add* | *8.03* | |
| 26 05 33 13-1522 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 78.70 | 26.36 |
| | | *For Schedule 60, Add* | *6.49* | |
| | | *For Schedule 80, Add* | *11.07* | |
| 26 05 33 13-1523 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 98.17 | 30.76 |
| | | *For Schedule 60, Add* | *9.16* | |
| | | *For Schedule 80, Add* | *15.13* | |
| 26 05 33 13-1524 | EA | 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 121.15 | 37.35 |
| | | *For Schedule 60, Add* | *11.61* | |
| | | *For Schedule 80, Add* | *19.06* | |
| 26 05 33 13-1525 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 147.12 | 43.94 |
| | | *For Schedule 60, Add* | *14.81* | |
| | | *For Schedule 80, Add* | *24.02* | |
| 26 05 33 13-1526 | EA | 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 204.40 | 54.93 |
| | | *For Schedule 60, Add* | *23.63* | |
| | | *For Schedule 80, Add* | *37.21* | |
| 26 05 33 13-1527 | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow<br>See CSI section 26 05 33 13-2329 for conduit field bending. | 243.54 | 65.92 |
| | | *For Schedule 60, Add* | *27.93* | |
| | | *For Schedule 80, Add* | *44.04* | |
| 26 05 33 13-1528 | | **Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow** *(26 05 33 13-1488)* | | |
| 26 05 33 13-1529 | EA | 1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow | 85.48 | 28.45 |
| | | *For Schedule 80, Add* | *15.69* | |
| 26 05 33 13-1530 | EA | 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow | 100.07 | 32.94 |
| | | *For Schedule 80, Add* | *18.55* | |
| 26 05 33 13-1531 | EA | 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow | 113.32 | 37.43 |
| | | *For Schedule 80, Add* | *20.95* | |
| 26 05 33 13-1532 | EA | 2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow | 133.88 | 41.18 |
| | | *For Schedule 80, Add* | *26.27* | |
| 26 05 33 13-1533 | EA | 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow | 175.45 | 51.66 |
| | | *For Schedule 80, Add* | *35.58* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1534 | EA | 3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow | 229.88 | 70.37 |
| | | *For Schedule 80, Add* | *45.27* | |
| 26 05 33 13-1535 | EA | 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow | 275.56 | 79.35 |
| | | *For Schedule 80, Add* | *56.77* | |
| 26 05 33 13-1536 | EA | 4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow | 331.94 | 103.31 |
| | | *For Schedule 80, Add* | *64.52* | |
| **26 05 33 13-1537** | | **Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow** *(26 05 33 13-1488)* | | |
| 26 05 33 13-1538 | EA | 1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow | 90.73 | 28.45 |
| | | *For Schedule 80, Add* | *17.53* | |
| 26 05 33 13-1539 | EA | 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow | 112.70 | 32.94 |
| | | *For Schedule 80, Add* | *22.98* | |
| 26 05 33 13-1540 | EA | 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow | 131.40 | 37.43 |
| | | *For Schedule 80, Add* | *27.28* | |
| 26 05 33 13-1541 | EA | 2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow | 142.83 | 41.18 |
| | | *For Schedule 80, Add* | *29.40* | |
| 26 05 33 13-1542 | EA | 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow | 203.03 | 51.66 |
| | | *For Schedule 80, Add* | *45.23* | |
| 26 05 33 13-1543 | EA | 3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow | 269.99 | 70.37 |
| | | *For Schedule 80, Add* | *59.31* | |
| 26 05 33 13-1544 | EA | 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow | 300.25 | 79.35 |
| | | *For Schedule 80, Add* | *65.41* | |
| 26 05 33 13-1545 | EA | 4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow | 361.83 | 103.31 |
| | | *For Schedule 80, Add* | *74.98* | |
| **26 05 33 13-1546** | | **Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow** *(26 05 33 13-1488)* | | |
| 26 05 33 13-1547 | EA | 1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow | 104.88 | 28.45 |
| | | *For Schedule 80, Add* | *22.48* | |
| 26 05 33 13-1548 | EA | 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow | 118.63 | 32.94 |
| | | *For Schedule 80, Add* | *25.05* | |
| 26 05 33 13-1549 | EA | 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow | 134.88 | 37.43 |
| | | *For Schedule 80, Add* | *28.49* | |
| 26 05 33 13-1550 | EA | 2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow | 159.71 | 41.18 |
| | | *For Schedule 80, Add* | *35.31* | |
| 26 05 33 13-1551 | EA | 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow | 213.30 | 51.66 |
| | | *For Schedule 80, Add* | *48.83* | |
| 26 05 33 13-1552 | EA | 3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow | 278.61 | 70.37 |
| | | *For Schedule 80, Add* | *62.33* | |
| 26 05 33 13-1553 | EA | 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow | 333.12 | 79.35 |
| | | *For Schedule 80, Add* | *76.91* | |
| 26 05 33 13-1554 | EA | 4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow | 391.35 | 103.31 |
| | | *For Schedule 80, Add* | *85.32* | |
| **26 05 33 13-1555** | | **Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow** *(26 05 33 13-1488)* | | |
| 26 05 33 13-1556 | EA | 1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow | 107.77 | 28.45 |
| | | *For Schedule 80, Add* | *23.49* | |
| 26 05 33 13-1557 | EA | 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow | 136.17 | 32.94 |
| | | *For Schedule 80, Add* | *31.19* | |
| 26 05 33 13-1558 | EA | 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow | 148.80 | 37.43 |
| | | *For Schedule 80, Add* | *33.37* | |
| 26 05 33 13-1559 | EA | 2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow | 160.33 | 41.18 |
| | | *For Schedule 80, Add* | *35.53* | |
| 26 05 33 13-1560 | EA | 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow | 235.93 | 51.66 |
| | | *For Schedule 80, Add* | *56.75* | |
| 26 05 33 13-1561 | EA | 3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow | 329.32 | 70.37 |
| | | *For Schedule 80, Add* | *80.07* | |
| 26 05 33 13-1562 | EA | 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow | 379.30 | 79.35 |
| | | *For Schedule 80, Add* | *93.08* | |
| 26 05 33 13-1563 | EA | 4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow | 446.04 | 103.31 |
| | | *For Schedule 80, Add* | *104.46* | |
| 26 05 33 13-1564 | EA | 5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow | 714.54 | 168.16 |
| | | *For Schedule 80, Add* | *165.86* | |
| 26 05 33 13-1565 | EA | 6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow | 1,047.79 | 253.40 |
| | | *For Schedule 80, Add* | *240.20* | |
| **26 05 33 13-1566** | | **Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow** *(26 05 33 13-1488)* | | |
| 26 05 33 13-1567 | EA | 1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow | 118.86 | 28.45 |
| | | *For Schedule 80, Add* | *27.38* | |
| 26 05 33 13-1568 | EA | 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow | 139.14 | 32.94 |
| | | *For Schedule 80, Add* | *32.23* | |
| 26 05 33 13-1569 | EA | 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow | 157.73 | 37.43 |
| | | *For Schedule 80, Add* | *36.49* | |
| 26 05 33 13-1570 | EA | 2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow | 191.17 | 41.18 |
| | | *For Schedule 80, Add* | *46.32* | |
| 26 05 33 13-1571 | EA | 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow | 258.03 | 51.66 |
| | | *For Schedule 80, Add* | *64.48* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1572 | EA | 3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow | 365.60 | 70.37 |
| | | *For Schedule 80, Add* | *92.77* | |
| 26 05 33 13-1573 | EA | 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow | 413.99 | 79.35 |
| | | *For Schedule 80, Add* | *105.22* | |
| 26 05 33 13-1574 | EA | 4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow | 506.24 | 103.31 |
| | | *For Schedule 80, Add* | *125.53* | |
| 26 05 33 13-1575 | EA | 5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow | 749.76 | 168.16 |
| | | *For Schedule 80, Add* | *178.19* | |
| 26 05 33 13-1576 | EA | 6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow | 1,076.30 | 253.40 |
| | | *For Schedule 80, Add* | *250.18* | |

## 26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Female Adapters *(26 05 33 13-1488)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1578 | EA | 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter | 16.10 | 6.15 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.62* | |
| 26 05 33 13-1579 | EA | 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter | 18.54 | 7.03 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.27* | |
| 26 05 33 13-1580 | EA | 1" Polyvinyl Chloride (PVC) Conduit Female Adapter | 21.09 | 7.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.93* | |
| 26 05 33 13-1581 | EA | 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter | 23.80 | 8.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.59* | |
| 26 05 33 13-1582 | EA | 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter | 29.44 | 10.99 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.24* | |
| 26 05 33 13-1583 | EA | 2" Polyvinyl Chloride (PVC) Conduit Female Adapter | 35.78 | 13.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.89* | |
| 26 05 33 13-1584 | EA | 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter | 49.14 | 17.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.18* | |
| 26 05 33 13-1585 | EA | 3" Polyvinyl Chloride (PVC) Conduit Female Adapter | 62.01 | 21.98 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.48* | |
| 26 05 33 13-1586 | EA | 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter | 80.41 | 28.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.43* | |
| 26 05 33 13-1587 | EA | 4" Polyvinyl Chloride (PVC) Conduit Female Adapter | 97.28 | 35.16 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *26.37* | |
| 26 05 33 13-1588 | EA | 5" Polyvinyl Chloride (PVC) Conduit Female Adapter | 128.82 | 43.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.96* | |
| 26 05 33 13-1589 | EA | 6" Polyvinyl Chloride (PVC) Conduit Female Adapter | 160.20 | 54.93 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.20* | |

## 26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug *(26 05 33 13-1488)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1591 | EA | 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug | 18.95 | 5.27 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.95* | |
| 26 05 33 13-1592 | EA | 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug | 21.57 | 6.15 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.62* | |
| 26 05 33 13-1593 | EA | 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug | 24.21 | 7.03 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.27* | |
| 26 05 33 13-1594 | EA | 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug | 28.87 | 7.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.93* | |
| 26 05 33 13-1595 | EA | 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug | 32.19 | 8.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.59* | |
| 26 05 33 13-1596 | EA | 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug | 38.69 | 10.11 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 05 33 13-1597 | EA | 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug | 43.28 | 11.43 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.57* | |
| 26 05 33 13-1598 | EA | 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug | 48.97 | 13.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.89* | |
| 26 05 33 13-1599 | EA | 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug | 58.04 | 15.39 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.54* | |
| 26 05 33 13-1600 | EA | 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug | 63.94 | 17.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.18* | |
| 26 05 33 13-1601 | EA | 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug | 81.11 | 19.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.83* | |
| 26 05 33 13-1602 | EA | 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug | 91.25 | 21.98 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.48* | |

## 26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-1488)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1604 | EA | 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter | 17.49 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.07* | |
| 26 05 33 13-1605 | EA | 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter | 21.22 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.08* | |
| 26 05 33 13-1606 | EA | 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter | 23.66 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.75* | |
| 26 05 33 13-1607 | EA | 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter | 26.60 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.52* | |
| 26 05 33 13-1608 | EA | 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter | 29.19 | 10.99 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.24* | |
| 26 05 33 13-1609 | EA | 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter | 35.44 | 13.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.89* | |
| 26 05 33 13-1610 | EA | 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter | 48.46 | 17.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.18* | |
| 26 05 33 13-1611 | EA | 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter | 61.06 | 21.98 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.48* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1612 | EA | 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter | 79.20 | 28.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.43* | |
| 26 05 33 13-1613 | EA | 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter | 96.04 | 35.16 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *26.37* | |
| 26 05 33 13-1614 | EA | 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter | 126.38 | 43.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.96* | |
| 26 05 33 13-1615 | EA | 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter | 157.27 | 54.93 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.20* | |

## 26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover *(26 05 33 13-1488)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1617 | EA | 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover | 50.54 | 17.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.18* | |
| 26 05 33 13-1618 | EA | 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover | 58.78 | 19.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.83* | |
| 26 05 33 13-1619 | EA | 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover | 65.26 | 21.98 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.48* | |
| 26 05 33 13-1620 | EA | 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover | 80.68 | 26.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.78* | |
| 26 05 33 13-1621 | EA | 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover | 99.67 | 32.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.72* | |
| 26 05 33 13-1622 | EA | 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover | 129.51 | 39.55 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *29.66* | |
| 26 05 33 13-1623 | EA | 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover | 224.81 | 43.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.96* | |
| 26 05 33 13-1624 | EA | 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover | 239.81 | 48.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *36.26* | |
| 26 05 33 13-1625 | EA | 3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover | 260.26 | 54.93 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.20* | |
| 26 05 33 13-1626 | EA | 4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover | 290.26 | 63.72 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *47.79* | |

## 26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover *(26 05 33 13-1488)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1628 | EA | 1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover | 66.37 | 23.04 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |
| 26 05 33 13-1629 | EA | 3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover | 74.35 | 25.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.00* | |
| 26 05 33 13-1630 | EA | 1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover | 80.36 | 27.65 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.73* | |
| 26 05 33 13-1631 | EA | 1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover | 100.95 | 32.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.19* | |
| 26 05 33 13-1632 | EA | 1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover | 121.90 | 39.17 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *29.37* | |
| 26 05 33 13-1633 | EA | 2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover | 150.26 | 46.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *34.55* | |

## 26 05 33 13-1634 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-1488)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1635 | EA | 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint | 111.33 | 21.98 |
| 26 05 33 13-1636 | EA | 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint | 123.74 | 26.36 |
| 26 05 33 13-1637 | EA | 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint | 137.01 | 30.76 |
| 26 05 33 13-1638 | EA | 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint | 149.42 | 35.16 |
| 26 05 33 13-1639 | EA | 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint | 161.50 | 39.55 |
| 26 05 33 13-1640 | EA | 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint | 176.27 | 43.94 |
| 26 05 33 13-1641 | EA | 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint | 216.13 | 50.54 |
| 26 05 33 13-1642 | EA | 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint | 259.34 | 57.13 |
| 26 05 33 13-1643 | EA | 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint | 303.68 | 65.92 |
| 26 05 33 13-1644 | EA | 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint | 361.45 | 76.91 |
| 26 05 33 13-1645 | EA | 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint | 479.12 | 92.29 |
| 26 05 33 13-1646 | EA | 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint | 630.35 | 118.65 |

## 26 05 33 13-1647 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-1488)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1648 | EA | 1/2" Polyvinyl Chloride (PVC) Conduit End Cap | 13.95 | 4.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.30* | |
| 26 05 33 13-1649 | EA | 3/4" Polyvinyl Chloride (PVC) Conduit End Cap | 16.48 | 5.27 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.95* | |
| 26 05 33 13-1650 | EA | 1" Polyvinyl Chloride (PVC) Conduit End Cap | 18.95 | 6.15 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.62* | |
| 26 05 33 13-1651 | EA | 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap | 22.70 | 7.03 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.27* | |
| 26 05 33 13-1652 | EA | 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap | 26.51 | 7.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.93* | |
| 26 05 33 13-1653 | EA | 2" Polyvinyl Chloride (PVC) Conduit End Cap | 31.40 | 8.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.59* | |
| 26 05 33 13-1654 | EA | 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap | 45.23 | 10.11 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 05 33 13-1655 | EA | 3" Polyvinyl Chloride (PVC) Conduit End Cap | 49.48 | 11.43 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.57* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1656 | EA | 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap | 63.56 | 12.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.56* | |
| 26 05 33 13-1657 | EA | 4" Polyvinyl Chloride (PVC) Conduit End Cap | 77.20 | 13.62 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.22* | |
| 26 05 33 13-1658 | EA | 5" Polyvinyl Chloride (PVC) Conduit End Cap | 89.79 | 15.39 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.54* | |
| 26 05 33 13-1659 | EA | 6" Polyvinyl Chloride (PVC) Conduit End Cap | 113.91 | 17.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.18* | |
| **26 05 33 13-1660** | | **Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)** *(26 05 33 13-1488)* | | |
| 26 05 33 13-1661 | EA | 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200) | 137.74 | 39.55 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *29.66* | |
| 26 05 33 13-1662 | EA | 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121) | 144.39 | 26.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.78* | |
| 26 05 33 13-1663 | EA | 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251) | 350.42 | 43.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.96* | |
| 26 05 33 13-1664 | EA | 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401) | 682.73 | 63.72 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *47.79* | |
| **26 05 33 13-1665** | | **Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit** *(26 05 33 13-0059)*<br>Note: Exposed installation. Excludes supporting strap, hanger and fastening. | | |
| **26 05 33 13-1666** | | **Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit** *(26 05 33 13-1665)*<br>Note: Includes field bending conduit up to and including 1". | | |
| 26 05 33 13-1667 | LF | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit | 8.51 | 1.80 |
| 26 05 33 13-1668 | LF | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit | 9.45 | 1.97 |
| 26 05 33 13-1669 | LF | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit | 10.54 | 2.28 |
| 26 05 33 13-1670 | LF | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit | 11.62 | 2.63 |
| 26 05 33 13-1671 | LF | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit | 13.12 | 3.07 |
| 26 05 33 13-1672 | LF | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit | 14.36 | 3.52 |
| 26 05 33 13-1673 | LF | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit | 17.12 | 4.18 |
| 26 05 33 13-1674 | LF | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit | 20.11 | 4.84 |
| 26 05 33 13-1675 | LF | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit | 23.30 | 5.71 |
| 26 05 33 13-1676 | LF | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit | 27.61 | 7.03 |
| 26 05 33 13-1677 | LF | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit | 37.24 | 9.89 |
| 26 05 33 13-1678 | LF | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit | 48.62 | 13.18 |
| **26 05 33 13-1679** | | **Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows** *(26 05 33 13-1665)* | | |
| 26 05 33 13-1680 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows | 95.98 | 8.78 |
| | | *For 24" Radius, Add* | *6.65* | |
| | | *For 36" Radius, Add* | *9.60* | |
| | | *For 48" Radius, Add* | *12.55* | |
| 26 05 33 13-1681 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows | 107.02 | 9.67 |
| | | *For 24" Radius, Add* | *7.42* | |
| | | *For 36" Radius, Add* | *10.70* | |
| | | *For 48" Radius, Add* | *13.98* | |
| 26 05 33 13-1682 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows | 111.15 | 10.99 |
| | | *For 24" Radius, Add* | *7.65* | |
| | | *For 36" Radius, Add* | *11.12* | |
| | | *For 48" Radius, Add* | *14.58* | |
| 26 05 33 13-1683 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows | 119.66 | 14.06 |
| | | *For 24" Radius, Add* | *8.10* | |
| | | *For 36" Radius, Add* | *11.97* | |
| | | *For 48" Radius, Add* | *15.84* | |
| 26 05 33 13-1684 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows | 129.28 | 17.58 |
| | | *For 24" Radius, Add* | *8.60* | |
| | | *For 36" Radius, Add* | *12.93* | |
| | | *For 48" Radius, Add* | *17.26* | |
| 26 05 33 13-1685 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows | 152.04 | 21.98 |
| | | *For 24" Radius, Add* | *10.03* | |
| | | *For 36" Radius, Add* | *15.20* | |
| | | *For 48" Radius, Add* | *20.38* | |
| 26 05 33 13-1686 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows | 182.15 | 26.36 |
| | | *For 24" Radius, Add* | *12.01* | |
| | | *For 36" Radius, Add* | *18.22* | |
| | | *For 48" Radius, Add* | *24.42* | |
| 26 05 33 13-1687 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows | 216.39 | 30.76 |
| | | *For 24" Radius, Add* | *14.31* | |
| | | *For 36" Radius, Add* | *21.64* | |
| | | *For 48" Radius, Add* | *28.97* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1688 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows | 250.30 | 37.35 |
| | | *For 24" Radius, Add* | *16.44* | |
| | | *For 36" Radius, Add* | *25.03* | |
| | | *For 48" Radius, Add* | *33.62* | |
| 26 05 33 13-1689 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows | 284.22 | 43.94 |
| | | *For 24" Radius, Add* | *18.57* | |
| | | *For 36" Radius, Add* | *28.42* | |
| | | *For 48" Radius, Add* | *38.27* | |
| 26 05 33 13-1690 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows | 355.27 | 54.93 |
| | | *For 24" Radius, Add* | *23.21* | |
| | | *For 36" Radius, Add* | *35.53* | |
| | | *For 48" Radius, Add* | *47.84* | |
| 26 05 33 13-1691 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows | 437.22 | 65.92 |
| | | *For 24" Radius, Add* | *28.67* | |
| | | *For 36" Radius, Add* | *43.72* | |
| | | *For 48" Radius, Add* | *58.77* | |

## 26 05 33 13-1692 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1693 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows | 82.66 | 8.78 |
| | | *For 24" Radius, Add* | *5.65* | |
| | | *For 36" Radius, Add* | *8.27* | |
| | | *For 48" Radius, Add* | *10.88* | |
| 26 05 33 13-1694 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows | 92.10 | 9.67 |
| | | *For 24" Radius, Add* | *6.30* | |
| | | *For 36" Radius, Add* | *9.21* | |
| | | *For 48" Radius, Add* | *12.12* | |
| 26 05 33 13-1695 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows | 96.08 | 10.99 |
| | | *For 24" Radius, Add* | *6.52* | |
| | | *For 36" Radius, Add* | *9.61* | |
| | | *For 48" Radius, Add* | *12.70* | |
| 26 05 33 13-1696 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows | 104.45 | 14.06 |
| | | *For 24" Radius, Add* | *6.95* | |
| | | *For 36" Radius, Add* | *10.45* | |
| | | *For 48" Radius, Add* | *13.94* | |
| 26 05 33 13-1697 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows | 113.92 | 17.58 |
| | | *For 24" Radius, Add* | *7.45* | |
| | | *For 36" Radius, Add* | *11.39* | |
| | | *For 48" Radius, Add* | *15.34* | |
| 26 05 33 13-1698 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows | 134.56 | 21.98 |
| | | *For 24" Radius, Add* | *8.72* | |
| | | *For 36" Radius, Add* | *13.46* | |
| | | *For 48" Radius, Add* | *18.19* | |
| 26 05 33 13-1699 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows | 161.23 | 26.36 |
| | | *For 24" Radius, Add* | *10.44* | |
| | | *For 36" Radius, Add* | *16.12* | |
| | | *For 48" Radius, Add* | *21.80* | |
| 26 05 33 13-1700 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows | 191.28 | 30.76 |
| | | *For 24" Radius, Add* | *12.42* | |
| | | *For 36" Radius, Add* | *19.13* | |
| | | *For 48" Radius, Add* | *25.83* | |
| 26 05 33 13-1701 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows | 222.05 | 37.35 |
| | | *For 24" Radius, Add* | *14.32* | |
| | | *For 36" Radius, Add* | *22.21* | |
| | | *For 48" Radius, Add* | *30.09* | |
| 26 05 33 13-1702 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows | 252.84 | 43.94 |
| | | *For 24" Radius, Add* | *16.22* | |
| | | *For 36" Radius, Add* | *25.28* | |
| | | *For 48" Radius, Add* | *34.35* | |
| 26 05 33 13-1703 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows | 316.04 | 54.93 |
| | | *For 24" Radius, Add* | *20.27* | |
| | | *For 36" Radius, Add* | *31.60* | |
| | | *For 48" Radius, Add* | *42.94* | |
| 26 05 33 13-1704 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows | 388.19 | 65.92 |
| | | *For 24" Radius, Add* | *24.99* | |
| | | *For 36" Radius, Add* | *38.82* | |
| | | *For 48" Radius, Add* | *52.64* | |

## 26 05 33 13-1705 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1706 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows | 76.75 | 7.91 |
| | | *For 24" Radius, Add* | *5.26* | |
| | | *For 36" Radius, Add* | *7.68* | |
| | | *For 48" Radius, Add* | *10.09* | |
| 26 05 33 13-1707 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows | 85.55 | 8.70 |
| | | *For 24" Radius, Add* | *5.87* | |
| | | *For 36" Radius, Add* | *8.56* | |
| | | *For 48" Radius, Add* | *11.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1708 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows | 89.16 | 9.89 |
| | | *For 24" Radius, Add* | *6.07* | |
| | | *For 36" Radius, Add* | *8.92* | |
| | | *For 48" Radius, Add* | *11.76* | |
| 26 05 33 13-1709 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows | 96.71 | 12.66 |
| | | *For 24" Radius, Add* | *6.46* | |
| | | *For 36" Radius, Add* | *9.67* | |
| | | *For 48" Radius, Add* | *12.88* | |
| 26 05 33 13-1710 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows | 105.26 | 15.82 |
| | | *For 24" Radius, Add* | *6.91* | |
| | | *For 36" Radius, Add* | *10.53* | |
| | | *For 48" Radius, Add* | *14.15* | |
| 26 05 33 13-1711 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows | 124.22 | 19.77 |
| | | *For 24" Radius, Add* | *8.08* | |
| | | *For 36" Radius, Add* | *12.42* | |
| | | *For 48" Radius, Add* | *16.76* | |
| 26 05 33 13-1712 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows | 148.83 | 23.73 |
| | | *For 24" Radius, Add* | *9.68* | |
| | | *For 36" Radius, Add* | *14.88* | |
| | | *For 48" Radius, Add* | *20.09* | |
| 26 05 33 13-1713 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows | 176.61 | 27.69 |
| | | *For 24" Radius, Add* | *11.52* | |
| | | *For 36" Radius, Add* | *17.66* | |
| | | *For 48" Radius, Add* | *23.81* | |
| 26 05 33 13-1714 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows | 204.88 | 33.61 |
| | | *For 24" Radius, Add* | *13.26* | |
| | | *For 36" Radius, Add* | *20.49* | |
| | | *For 48" Radius, Add* | *27.71* | |
| 26 05 33 13-1715 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows | 233.13 | 39.55 |
| | | *For 24" Radius, Add* | *15.01* | |
| | | *For 36" Radius, Add* | *23.31* | |
| | | *For 48" Radius, Add* | *31.61* | |
| 26 05 33 13-1716 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows | 291.41 | 49.44 |
| | | *For 24" Radius, Add* | *18.77* | |
| | | *For 36" Radius, Add* | *29.14* | |
| | | *For 48" Radius, Add* | *39.52* | |
| 26 05 33 13-1717 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows | 358.09 | 59.33 |
| | | *For 24" Radius, Add* | *23.15* | |
| | | *For 36" Radius, Add* | *35.81* | |
| | | *For 48" Radius, Add* | *48.47* | |

## 26 05 33 13-1718 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1719 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows | 73.05 | 7.91 |
| | | *For 24" Radius, Add* | *4.98* | |
| | | *For 36" Radius, Add* | *7.31* | |
| | | *For 48" Radius, Add* | *9.63* | |
| 26 05 33 13-1720 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows | 81.41 | 8.70 |
| | | *For 24" Radius, Add* | *5.56* | |
| | | *For 36" Radius, Add* | *8.14* | |
| | | *For 48" Radius, Add* | *10.72* | |
| 26 05 33 13-1721 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows | 84.98 | 9.89 |
| | | *For 24" Radius, Add* | *5.76* | |
| | | *For 36" Radius, Add* | *8.50* | |
| | | *For 48" Radius, Add* | *11.24* | |
| 26 05 33 13-1722 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows | 92.48 | 12.66 |
| | | *For 24" Radius, Add* | *6.15* | |
| | | *For 36" Radius, Add* | *9.25* | |
| | | *For 48" Radius, Add* | *12.35* | |
| 26 05 33 13-1723 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows | 101.00 | 15.82 |
| | | *For 24" Radius, Add* | *6.59* | |
| | | *For 36" Radius, Add* | *10.10* | |
| | | *For 48" Radius, Add* | *13.61* | |
| 26 05 33 13-1724 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows | 119.36 | 19.77 |
| | | *For 24" Radius, Add* | *7.72* | |
| | | *For 36" Radius, Add* | *11.94* | |
| | | *For 48" Radius, Add* | *16.16* | |
| 26 05 33 13-1725 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows | 143.02 | 23.73 |
| | | *For 24" Radius, Add* | *9.24* | |
| | | *For 36" Radius, Add* | *14.30* | |
| | | *For 48" Radius, Add* | *19.36* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1726 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows | 169.64 | 27.69 |
| | | *For 24" Radius, Add* | *10.99* | |
| | | *For 36" Radius, Add* | *16.96* | |
| | | *For 48" Radius, Add* | *22.94* | |
| 26 05 33 13-1727 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows | 197.03 | 33.61 |
| | | *For 24" Radius, Add* | *12.68* | |
| | | *For 36" Radius, Add* | *19.70* | |
| | | *For 48" Radius, Add* | *26.73* | |
| 26 05 33 13-1728 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows | 224.41 | 39.55 |
| | | *For 24" Radius, Add* | *14.36* | |
| | | *For 36" Radius, Add* | *22.44* | |
| | | *For 48" Radius, Add* | *30.52* | |
| 26 05 33 13-1729 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows | 280.52 | 49.44 |
| | | *For 24" Radius, Add* | *17.95* | |
| | | *For 36" Radius, Add* | *28.05* | |
| | | *For 48" Radius, Add* | *38.16* | |
| 26 05 33 13-1730 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows | 344.46 | 59.33 |
| | | *For 24" Radius, Add* | *22.13* | |
| | | *For 36" Radius, Add* | *34.45* | |
| | | *For 48" Radius, Add* | *46.77* | |

## 26 05 33 13-1731 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1665)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1732 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling | 46.03 | 6.15 |
| 26 05 33 13-1733 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling | 51.72 | 7.03 |
| 26 05 33 13-1734 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling | 54.26 | 7.91 |
| 26 05 33 13-1735 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling | 56.76 | 8.78 |
| 26 05 33 13-1736 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling | 62.94 | 10.99 |
| 26 05 33 13-1737 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling | 75.21 | 13.18 |
| 26 05 33 13-1738 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling | 94.79 | 17.58 |
| 26 05 33 13-1739 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling | 115.95 | 21.98 |
| 26 05 33 13-1740 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling | 140.07 | 28.57 |
| 26 05 33 13-1741 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling | 164.17 | 35.16 |
| 26 05 33 13-1742 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling | 205.21 | 43.94 |
| 26 05 33 13-1743 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling | 256.47 | 54.93 |

## 26 05 33 13-1744 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1665)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1745 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling | 32.68 | 6.15 |
| 26 05 33 13-1746 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling | 36.79 | 7.03 |
| 26 05 33 13-1747 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling | 39.18 | 7.91 |
| 26 05 33 13-1748 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling | 41.60 | 8.78 |
| 26 05 33 13-1749 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling | 47.28 | 10.99 |
| 26 05 33 13-1750 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling | 52.90 | 13.18 |
| 26 05 33 13-1751 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling | 67.86 | 17.58 |
| 26 05 33 13-1752 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling | 83.64 | 21.98 |
| 26 05 33 13-1753 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling | 103.72 | 28.57 |
| 26 05 33 13-1754 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling | 123.78 | 35.16 |
| 26 05 33 13-1755 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling | 154.77 | 43.94 |
| 26 05 33 13-1756 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling | 193.41 | 54.93 |

## 26 05 33 13-1757 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-1665)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1758 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling | 36.88 | 5.06 |
| 26 05 33 13-1759 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling | 41.47 | 7.03 |
| 26 05 33 13-1760 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling | 43.92 | 7.91 |
| 26 05 33 13-1761 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling | 46.27 | 8.78 |
| 26 05 33 13-1762 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling | 52.31 | 10.99 |
| 26 05 33 13-1763 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling | 62.54 | 13.18 |
| 26 05 33 13-1764 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling | 79.42 | 17.58 |
| 26 05 33 13-1765 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling | 97.50 | 21.98 |
| 26 05 33 13-1766 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling | 119.31 | 28.57 |
| 26 05 33 13-1767 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling | 141.09 | 35.16 |
| 26 05 33 13-1768 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling | 176.36 | 43.94 |
| 26 05 33 13-1769 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling | 220.47 | 54.93 |

## 26 05 33 13-1770 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-1665)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1771 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint | 78.61 | 21.98 |
| 26 05 33 13-1772 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint | 92.19 | 26.36 |
| 26 05 33 13-1773 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint | 103.47 | 30.76 |
| 26 05 33 13-1774 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint | 114.62 | 35.16 |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 33 13-1775 | | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint | 126.22 | 39.55 |
| 26 05 33 13-1776 | | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint | 142.41 | 43.94 |
| 26 05 33 13-1777 | | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint | 165.41 | 50.54 |
| 26 05 33 13-1778 | | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint | 189.69 | 57.13 |
| 26 05 33 13-1779 | | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint | 217.53 | 65.92 |
| 26 05 33 13-1780 | | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint | 250.84 | 76.91 |
| 26 05 33 13-1781 | | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint | 292.96 | 87.89 |
| 26 05 33 13-1782 | | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint | 338.73 | 98.88 |

## 26 05 33 13-1783 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-1665)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 33 13-1784 | | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint | 88.23 | 21.98 |
| 26 05 33 13-1785 | | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint | 102.97 | 26.36 |
| 26 05 33 13-1786 | | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint | 114.31 | 30.76 |
| 26 05 33 13-1787 | | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint | 125.58 | 35.16 |
| 26 05 33 13-1788 | | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint | 137.27 | 39.55 |
| 26 05 33 13-1789 | | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint | 155.03 | 43.94 |
| 26 05 33 13-1790 | | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint | 180.54 | 50.54 |
| 26 05 33 13-1791 | | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint | 207.85 | 57.13 |
| 26 05 33 13-1792 | | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint | 237.97 | 65.92 |
| 26 05 33 13-1793 | | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint | 273.57 | 76.91 |
| 26 05 33 13-1794 | | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint | 321.44 | 87.89 |
| 26 05 33 13-1795 | | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint | 374.32 | 98.88 |

## 26 05 33 13-1796 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-1665)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 33 13-1797 | | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter | 94.57 | 6.15 |
| 26 05 33 13-1798 | | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter | 105.54 | 7.03 |
| 26 05 33 13-1799 | | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter | 110.43 | 7.91 |
| 26 05 33 13-1800 | | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter | 115.46 | 8.78 |
| 26 05 33 13-1801 | | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter | 122.39 | 10.99 |
| 26 05 33 13-1802 | | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter | 136.93 | 13.18 |
| 26 05 33 13-1803 | | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter | 168.72 | 17.58 |
| 26 05 33 13-1804 | | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter | 204.58 | 21.98 |
| 26 05 33 13-1805 | | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter | 239.78 | 28.57 |
| 26 05 33 13-1806 | | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter | 274.97 | 35.16 |
| 26 05 33 13-1807 | | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter | 343.79 | 43.94 |
| 26 05 33 13-1808 | | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter | 427.91 | 54.93 |

## 26 05 33 13-1809 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-1665)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 33 13-1810 | | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint | 104.95 | 21.98 |
| 26 05 33 13-1811 | | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint | 121.51 | 26.36 |
| 26 05 33 13-1812 | | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint | 145.58 | 30.76 |
| 26 05 33 13-1813 | | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint | 180.48 | 35.16 |
| 26 05 33 13-1814 | | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint | 225.80 | 39.55 |
| 26 05 33 13-1815 | | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint | 297.97 | 43.94 |
| 26 05 33 13-1816 | | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint | 422.34 | 50.54 |
| 26 05 33 13-1817 | | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint | 509.85 | 57.13 |
| 26 05 33 13-1818 | | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint | 616.19 | 65.92 |
| 26 05 33 13-1819 | | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint | 728.01 | 76.91 |
| 26 05 33 13-1820 | | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint | 856.11 | 87.89 |
| 26 05 33 13-1821 | | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint | 1,327.56 | 98.88 |

## 26 05 33 13-1822 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover *(26 05 33 13-1665)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 33 13-1823 | | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover | 88.22 | 17.58 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.18* | |
| 26 05 33 13-1824 | | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover | 102.24 | 19.77 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.83* | |
| 26 05 33 13-1825 | | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover | 135.44 | 21.98 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.48* | |
| 26 05 33 13-1826 | | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover | 165.37 | 26.36 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.78* | |
| 26 05 33 13-1827 | | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover | 210.26 | 32.96 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.72* | |
| 26 05 33 13-1828 | | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover | 288.31 | 39.55 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *29.66* | |
| 26 05 33 13-1829 | | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover | 470.55 | 46.15 |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *34.61* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1830 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover | 605.43 | 52.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *39.55* | |
| 26 05 33 13-1831 | EA | 3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover | 728.03 | 61.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *46.14* | |
| 26 05 33 13-1832 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover | 850.65 | 70.31 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *52.74* | |
| 26 05 33 13-1833 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover | 1,002.86 | 79.10 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *59.33* | |
| 26 05 33 13-1834 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover | 1,137.31 | 87.89 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *65.92* | |

## 26 05 33 13-1835 Explosion Proof Conduit Fittings *(26 05 33 13-0059)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

## 26 05 33 13-1836 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1835)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1837 | EA | 1/2" Explosion Proof Malleable Iron Conduit Union | 41.25 | 9.60 |
| 26 05 33 13-1838 | EA | 3/4" Explosion Proof Malleable Iron Conduit Union | 50.28 | 10.61 |
| 26 05 33 13-1839 | EA | 1" Explosion Proof Malleable Iron Conduit Union | 78.48 | 14.14 |
| 26 05 33 13-1840 | EA | 1-1/4" Explosion Proof Malleable Iron Conduit Union | 102.44 | 15.66 |
| 26 05 33 13-1841 | EA | 1-1/2" Explosion Proof Malleable Iron Conduit Union | 128.66 | 19.19 |
| 26 05 33 13-1842 | EA | 2" Explosion Proof Malleable Iron Conduit Union | 159.47 | 22.22 |
| 26 05 33 13-1843 | EA | 2-1/2" Explosion Proof Malleable Iron Conduit Union | 241.72 | 31.77 |
| 26 05 33 13-1844 | EA | 3" Explosion Proof Malleable Iron Conduit Union | 306.01 | 37.82 |
| 26 05 33 13-1845 | EA | 3-1/2" Explosion Proof Malleable Iron Conduit Union | 505.22 | 45.39 |
| 26 05 33 13-1846 | EA | 4" Explosion Proof Malleable Iron Conduit Union | 540.56 | 57.99 |

## 26 05 33 13-1847 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1835)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1848 | EA | 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body | 144.35 | 30.30 |
| 26 05 33 13-1849 | EA | 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body | 162.80 | 34.35 |
| 26 05 33 13-1850 | EA | 1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body | 189.55 | 37.88 |
| 26 05 33 13-1851 | EA | 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body | 164.59 | 37.88 |
| 26 05 33 13-1852 | EA | 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body | 196.25 | 45.46 |
| 26 05 33 13-1853 | EA | 1" Explosion Proof Malleable Iron Three Hub Conduit Body | 231.41 | 52.02 |

## 26 05 33 13-1854 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1835)*

Note: Includes sealing gasket and lock nut.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1855 | EA | 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical | 119.47 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.94* | |
| 26 05 33 13-1856 | EA | 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical | 123.24 | 28.28 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.21* | |
| 26 05 33 13-1857 | EA | 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical | 134.49 | 30.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.11* | |
| 26 05 33 13-1858 | EA | 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical | 172.07 | 37.88 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *28.41* | |
| 26 05 33 13-1859 | EA | 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical | 217.86 | 44.44 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *33.33* | |
| 26 05 33 13-1860 | EA | 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical | 276.95 | 50.51 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.88* | |
| 26 05 33 13-1861 | EA | 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical | 396.03 | 75.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *56.73* | |
| 26 05 33 13-1862 | EA | 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical | 500.18 | 94.80 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *71.10* | |
| 26 05 33 13-1863 | EA | 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical | 692.87 | 104.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *78.29* | |
| 26 05 33 13-1864 | EA | 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical | 884.30 | 113.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *85.10* | |

## 26 05 33 13-1865 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1835)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1866 | EA | 1/2" x 12" Explosion Proof Flexible Conduit Coupling | 294.55 | 11.61 |
| 26 05 33 13-1867 | EA | 3/4" x 15" Explosion Proof Flexible Conduit Coupling | 384.44 | 13.13 |

## 26 05 33 13-1868 Conduit Installed Below Grade *(26 05 33 13-0058)*

Note: By direct burial In trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.

## 26 05 33 13-1869 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 33 13-1868)*

## 26 05 33 13-1870 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial *(26 05 33 13-1869)*

Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 33 13-1871 | | LF | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial | 4.62 | |
| | | | *For Schedule 60, Add* | *0.44* | |
| | | | *For Schedule 80, Add* | *0.72* | |
| 26 05 33 13-1872 | | LF | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial | 5.25 | |
| | | | *For Schedule 60, Add* | *0.54* | |
| | | | *For Schedule 80, Add* | *0.88* | |
| 26 05 33 13-1873 | | LF | 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial | 6.22 | |
| | | | *For Schedule 60, Add* | *0.73* | |
| | | | *For Schedule 80, Add* | *1.15* | |
| 26 05 33 13-1874 | | LF | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial | 7.20 | |
| | | | *For Schedule 60, Add* | *0.92* | |
| | | | *For Schedule 80, Add* | *1.42* | |
| 26 05 33 13-1875 | | LF | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial | 8.03 | |
| | | | *For Schedule 60, Add* | *1.07* | |
| | | | *For Schedule 80, Add* | *1.64* | |
| 26 05 33 13-1876 | | LF | 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial | 9.37 | |
| | | | *For Schedule 60, Add* | *1.35* | |
| | | | *For Schedule 80, Add* | *2.04* | |
| 26 05 33 13-1877 | | LF | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial | 12.28 | |
| | | | *For Schedule 60, Add* | *2.03* | |
| | | | *For Schedule 80, Add* | *2.99* | |
| 26 05 33 13-1878 | | LF | 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial | 13.90 | |
| | | | *For Schedule 60, Add* | *2.38* | |
| | | | *For Schedule 80, Add* | *3.49* | |
| 26 05 33 13-1879 | | LF | 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial | 16.52 | |
| | | | *For Schedule 60, Add* | *2.98* | |
| | | | *For Schedule 80, Add* | *4.34* | |
| 26 05 33 13-1880 | | LF | 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial | 17.85 | |
| | | | *For Schedule 60, Add* | *3.25* | |
| | | | *For Schedule 80, Add* | *4.74* | |
| 26 05 33 13-1881 | | LF | 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial | 23.54 | |
| | | | *For Schedule 60, Add* | *4.62* | |
| | | | *For Schedule 80, Add* | *6.66* | |
| 26 05 33 13-1882 | | LF | 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial | 29.33 | |
| | | | *For Schedule 60, Add* | *6.01* | |
| | | | *For Schedule 80, Add* | *8.62* | |

## 26 05 33 13-1883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

| | | | | | |
|---|---|---|---|---|---|
| 26 05 33 13-1884 | | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial | 29.00 | |
| | | | *For Schedule 60, Add* | *1.76* | |
| | | | *For Schedule 80, Add* | *3.29* | |
| 26 05 33 13-1885 | | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial | 34.80 | |
| | | | *For Schedule 60, Add* | *2.11* | |
| | | | *For Schedule 80, Add* | *3.94* | |
| 26 05 33 13-1886 | | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial | 41.33 | |
| | | | *For Schedule 60, Add* | *2.64* | |
| | | | *For Schedule 80, Add* | *4.85* | |
| 26 05 33 13-1887 | | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial | 48.09 | |
| | | | *For Schedule 60, Add* | *3.23* | |
| | | | *For Schedule 80, Add* | *5.85* | |
| 26 05 33 13-1888 | | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial | 55.07 | |
| | | | *For Schedule 60, Add* | *3.88* | |
| | | | *For Schedule 80, Add* | *6.91* | |
| 26 05 33 13-1889 | | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial | 62.71 | |
| | | | *For Schedule 60, Add* | *4.69* | |
| | | | *For Schedule 80, Add* | *8.22* | |
| 26 05 33 13-1890 | | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial | 74.21 | |
| | | | *For Schedule 60, Add* | *6.47* | |
| | | | *For Schedule 80, Add* | *10.87* | |
| 26 05 33 13-1891 | | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial | 88.45 | |
| | | | *For Schedule 60, Add* | *8.93* | |
| | | | *For Schedule 80, Add* | *14.48* | |
| 26 05 33 13-1892 | | EA | 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial | 108.25 | |
| | | | *For Schedule 60, Add* | *11.68* | |
| | | | *For Schedule 80, Add* | *18.66* | |
| 26 05 33 13-1893 | | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial | 128.21 | |
| | | | *For Schedule 60, Add* | *14.47* | |
| | | | *For Schedule 80, Add* | *22.90* | |
| 26 05 33 13-1894 | | EA | 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial | 169.92 | |
| | | | *For Schedule 60, Add* | *22.70* | |
| | | | *For Schedule 80, Add* | *34.75* | |
| 26 05 33 13-1895 | | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial | 200.43 | |
| | | | *For Schedule 60, Add* | *28.13* | |
| | | | *For Schedule 80, Add* | *42.68* | |

## 26 05 33 13-1896 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1897 | EA | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial | 29.00 | |
| | | *For Schedule 60, Add* | *1.76* | |
| | | *For Schedule 80, Add* | *3.29* | |
| 26 05 33 13-1898 | EA | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial | 34.69 | |
| | | *For Schedule 60, Add* | *2.08* | |
| | | *For Schedule 80, Add* | *3.90* | |
| 26 05 33 13-1899 | EA | 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial | 41.17 | |
| | | *For Schedule 60, Add* | *2.60* | |
| | | *For Schedule 80, Add* | *4.80* | |
| 26 05 33 13-1900 | EA | 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial | 47.65 | |
| | | *For Schedule 60, Add* | *3.12* | |
| | | *For Schedule 80, Add* | *5.69* | |
| 26 05 33 13-1901 | EA | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial | 54.07 | |
| | | *For Schedule 60, Add* | *3.63* | |
| | | *For Schedule 80, Add* | *6.56* | |
| 26 05 33 13-1902 | EA | 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial | 62.18 | |
| | | *For Schedule 60, Add* | *4.56* | |
| | | *For Schedule 80, Add* | *8.03* | |
| 26 05 33 13-1903 | EA | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial | 73.21 | |
| | | *For Schedule 60, Add* | *6.22* | |
| | | *For Schedule 80, Add* | *10.52* | |
| 26 05 33 13-1904 | EA | 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial | 87.18 | |
| | | *For Schedule 60, Add* | *8.61* | |
| | | *For Schedule 80, Add* | *14.03* | |
| 26 05 33 13-1905 | EA | 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial | 104.68 | |
| | | *For Schedule 60, Add* | *10.79* | |
| | | *For Schedule 80, Add* | *17.41* | |
| 26 05 33 13-1906 | EA | 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial | 125.14 | |
| | | *For Schedule 60, Add* | *13.71* | |
| | | *For Schedule 80, Add* | *21.83* | |
| 26 05 33 13-1907 | EA | 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial | 165.95 | |
| | | *For Schedule 60, Add* | *21.71* | |
| | | *For Schedule 80, Add* | *33.36* | |
| 26 05 33 13-1908 | EA | 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial | 188.61 | |
| | | *For Schedule 60, Add* | *25.18* | |
| | | *For Schedule 80, Add* | *38.55* | |

## 26 05 33 13-1909 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial *(26 05 33 13-1869)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-1910 | EA | 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial | 16.10 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.62* | |
| 26 05 33 13-1911 | EA | 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial | 18.54 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.27* | |
| 26 05 33 13-1912 | EA | 1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial | 21.09 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.93* | |
| 26 05 33 13-1913 | EA | 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial | 23.80 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.59* | |
| 26 05 33 13-1914 | EA | 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial | 26.15 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.25* | |
| 26 05 33 13-1915 | EA | 2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial | 29.18 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.91* | |
| 26 05 33 13-1916 | EA | 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial | 34.87 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.90* | |
| 26 05 33 13-1917 | EA | 3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial | 40.04 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.89* | |
| 26 05 33 13-1918 | EA | 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial | 47.44 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.54* | |
| 26 05 33 13-1919 | EA | 4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial | 53.33 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.18* | |
| 26 05 33 13-1920 | EA | 5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial | 68.39 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *14.83* | |
| 26 05 33 13-1921 | EA | 6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial | 77.80 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.48* | |

## 26 05 33 13-1922 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1869)*

| | | | |
|---|---|---|---|
| 26 05 33 13-1923 | EA | 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial | 18.95 |
| 26 05 33 13-1924 | EA | 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial | 21.57 |
| 26 05 33 13-1925 | EA | 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial | 24.21 |
| 26 05 33 13-1926 | EA | 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial | 31.08 |
| 26 05 33 13-1927 | EA | 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial | 34.38 |
| 26 05 33 13-1928 | EA | 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial | 38.69 |
| 26 05 33 13-1929 | EA | 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial | 43.28 |
| 26 05 33 13-1930 | EA | 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial | 48.97 |
| 26 05 33 13-1931 | EA | 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial | 58.04 |
| 26 05 33 13-1932 | EA | 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial | 63.94 |
| 26 05 33 13-1933 | EA | 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial | 81.11 |
| 26 05 33 13-1934 | EA | 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial | 91.25 |

## 26 05 33 13-1935 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial *(26 05 33 13-1869)*

| | | | |
|---|---|---|---|
| 26 05 33 13-1936 | EA | 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial | 15.98 |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 33 13-1937 | | EA | 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial | 18.54 | |
| 26 05 33 13-1938 | | EA | 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial | 20.93 | |
| 26 05 33 13-1939 | | EA | 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial | 23.52 | |
| 26 05 33 13-1940 | | EA | 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial | 25.90 | |
| 26 05 33 13-1941 | | EA | 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial | 28.84 | |
| 26 05 33 13-1942 | | EA | 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial | 34.19 | |
| 26 05 33 13-1943 | | EA | 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial | 39.09 | |
| 26 05 33 13-1944 | | EA | 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial | 46.23 | |
| 26 05 33 13-1945 | | EA | 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial | 52.09 | |
| 26 05 33 13-1946 | | EA | 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial | 65.95 | |
| 26 05 33 13-1947 | | EA | 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial | 74.87 | |

## 26 05 33 13-1948 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1868)*

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

## 26 05 33 13-1949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1948)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

| | | | | | |
|---|---|---|---|---|---|
| 26 05 33 13-1950 | | LF | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial | 12.29 | 2.42 |
| | | | *For >250 To 500, Deduct* | *-0.46* | |
| | | | *For >500 To 1,000, Deduct* | *-0.76* | |
| | | | *For >1,000, Deduct* | *-1.07* | |
| 26 05 33 13-1951 | | LF | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial | 13.80 | 3.00 |
| | | | *For >250 To 500, Deduct* | *-0.52* | |
| | | | *For >500 To 1,000, Deduct* | *-0.86* | |
| | | | *For >1,000, Deduct* | *-1.21* | |
| 26 05 33 13-1952 | | LF | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial | 16.98 | 3.34 |
| | | | *For >250 To 500, Deduct* | *-0.65* | |
| | | | *For >500 To 1,000, Deduct* | *-1.07* | |
| | | | *For >1,000, Deduct* | *-1.50* | |
| 26 05 33 13-1953 | | LF | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial | 20.52 | 4.49 |
| | | | *For >250 To 500, Deduct* | *-0.80* | |
| | | | *For >500 To 1,000, Deduct* | *-1.31* | |
| | | | *For >1,000, Deduct* | *-1.82* | |
| 26 05 33 13-1954 | | LF | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial | 24.12 | 5.07 |
| | | | *For >250 To 500, Deduct* | *-0.95* | |
| | | | *For >500 To 1,000, Deduct* | *-1.55* | |
| | | | *For >1,000, Deduct* | *-2.15* | |
| 26 05 33 13-1955 | | LF | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial | 30.59 | 5.53 |
| | | | *For >250 To 500, Deduct* | *-1.21* | |
| | | | *For >500 To 1,000, Deduct* | *-1.98* | |
| | | | *For >1,000, Deduct* | *-2.74* | |
| 26 05 33 13-1956 | | LF | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial | 44.45 | 8.29 |
| | | | *For >250 To 500, Deduct* | *-1.79* | |
| | | | *For >500 To 1,000, Deduct* | *-2.90* | |
| | | | *For >1,000, Deduct* | *-4.01* | |
| 26 05 33 13-1957 | | LF | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial | 57.31 | 10.37 |
| | | | *For >250 To 500, Deduct* | *-2.29* | |
| | | | *For >500 To 1,000, Deduct* | *-3.72* | |
| | | | *For >1,000, Deduct* | *-5.16* | |
| 26 05 33 13-1958 | | LF | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial | 70.71 | 10.95 |
| | | | *For >250 To 500, Deduct* | *-2.82* | |
| | | | *For >500 To 1,000, Deduct* | *-4.58* | |
| | | | *For >1,000, Deduct* | *-6.35* | |
| 26 05 33 13-1959 | | LF | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial | 83.97 | 12.09 |
| | | | *For >250 To 500, Deduct* | *-3.33* | |
| | | | *For >500 To 1,000, Deduct* | *-5.43* | |
| | | | *For >1,000, Deduct* | *-7.53* | |
| 26 05 33 13-1960 | | LF | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial | 131.35 | 16.70 |
| | | | *For >250 To 500, Deduct* | *-5.47* | |
| | | | *For >500 To 1,000, Deduct* | *-8.76* | |
| | | | *For >1,000, Deduct* | *-12.04* | |
| 26 05 33 13-1961 | | LF | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial | 175.30 | 21.88 |
| | | | *For >250 To 500, Deduct* | *-7.38* | |
| | | | *For >500 To 1,000, Deduct* | *-11.77* | |
| | | | *For >1,000, Deduct* | *-16.15* | |

## 26 05 33 13-1962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 33 13-1948)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 33 13-1963 | | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial | 13.19 | 3.46 |
| 26 05 33 13-1964 | | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial | 15.79 | 4.61 |
| 26 05 33 13-1965 | | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial | 20.06 | 5.75 |
| 26 05 33 13-1966 | | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial | 22.64 | 6.34 |
| 26 05 33 13-1967 | | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial | 26.83 | 7.49 |
| 26 05 33 13-1968 | | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial | 34.62 | 8.64 |
| 26 05 33 13-1969 | | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial | 63.64 | 10.37 |
| 26 05 33 13-1970 | | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial | 80.91 | 14.40 |
| 26 05 33 13-1971 | | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial | 100.26 | 16.70 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-1972 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial | 124.24 | 23.04 |
| 26 05 33 13-1973 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial | 318.07 | 31.68 |
| 26 05 33 13-1974 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial | 320.25 | 17.85 |
| 26 05 33 13-1975 | | **Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial** *(26 05 33 13-1948)* | | |
| | | Note: 90, 45, or 30-degree. | | |
| 26 05 33 13-1976 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial | 50.80 | 14.40 |
| 26 05 33 13-1977 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial | 58.56 | 17.85 |
| 26 05 33 13-1978 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial | 69.98 | 21.88 |
| 26 05 33 13-1979 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial | 82.89 | 25.34 |
| 26 05 33 13-1980 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial | 97.17 | 28.79 |
| 26 05 33 13-1981 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial | 118.58 | 31.68 |
| 26 05 33 13-1982 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial | 183.54 | 39.74 |
| 26 05 33 13-1983 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial | 274.58 | 54.13 |
| 26 05 33 13-1984 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial | 340.31 | 61.05 |
| 26 05 33 13-1985 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial | 389.62 | 79.47 |
| 26 05 33 13-1986 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial | 815.04 | 129.58 |
| 26 05 33 13-1987 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial | 1,282.84 | 194.66 |
| 26 05 33 13-1988 | | **Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)* | | |
| 26 05 33 13-1989 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial | 121.86 | 21.88 |
| 26 05 33 13-1990 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial | 137.06 | 25.34 |
| 26 05 33 13-1991 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial | 156.48 | 28.79 |
| 26 05 33 13-1992 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial | 187.01 | 31.68 |
| 26 05 33 13-1993 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial | 261.00 | 39.74 |
| 26 05 33 13-1994 | | **Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)* | | |
| 26 05 33 13-1995 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial | 135.90 | 21.88 |
| 26 05 33 13-1996 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial | 160.25 | 25.34 |
| 26 05 33 13-1997 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial | 173.10 | 28.79 |
| 26 05 33 13-1998 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial | 223.27 | 31.68 |
| 26 05 33 13-1999 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial | 295.96 | 39.74 |
| 26 05 33 13-2000 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial | 378.24 | 54.13 |
| 26 05 33 13-2001 | | **Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)* | | |
| 26 05 33 13-2002 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial | 152.67 | 21.88 |
| 26 05 33 13-2003 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial | 172.32 | 25.34 |
| 26 05 33 13-2004 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial | 194.43 | 28.79 |
| 26 05 33 13-2005 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial | 235.29 | 31.68 |
| 26 05 33 13-2006 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial | 336.12 | 39.74 |
| 26 05 33 13-2007 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial | 425.40 | 54.13 |
| 26 05 33 13-2008 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial | 537.80 | 61.05 |
| 26 05 33 13-2009 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial | 604.79 | 79.47 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 33 13-2010** | | **Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)* | | |
| 26 05 33 13-2011 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial | 181.65 | 21.88 |
| 26 05 33 13-2012 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial | 200.67 | 25.34 |
| 26 05 33 13-2013 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial | 226.62 | 28.79 |
| 26 05 33 13-2014 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial | 281.63 | 31.68 |
| 26 05 33 13-2015 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial | 408.01 | 39.74 |
| 26 05 33 13-2016 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial | 505.30 | 54.13 |
| 26 05 33 13-2017 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial | 586.59 | 61.05 |
| 26 05 33 13-2018 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial | 694.35 | 79.47 |
| **26 05 33 13-2019** | | **Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)* | | |
| 26 05 33 13-2020 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial | 204.20 | 21.88 |
| 26 05 33 13-2021 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial | 227.05 | 25.34 |
| 26 05 33 13-2022 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial | 258.29 | 28.79 |
| 26 05 33 13-2023 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial | 321.98 | 31.68 |
| 26 05 33 13-2024 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial | 447.24 | 39.74 |
| 26 05 33 13-2025 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial | 569.21 | 54.13 |
| 26 05 33 13-2026 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial | 705.20 | 61.05 |
| 26 05 33 13-2027 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial | 776.56 | 79.47 |
| 26 05 33 13-2028 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial | 1,294.99 | 129.58 |
| **26 05 33 13-2029** | | **Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)* | | |
| 26 05 33 13-2030 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial | 233.69 | 21.88 |
| 26 05 33 13-2031 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial | 258.93 | 25.34 |
| 26 05 33 13-2032 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial | 293.02 | 28.79 |
| 26 05 33 13-2033 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial | 366.72 | 31.68 |
| 26 05 33 13-2034 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial | 512.60 | 39.74 |
| 26 05 33 13-2035 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial | 650.63 | 54.13 |
| 26 05 33 13-2036 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial | 764.64 | 61.05 |
| 26 05 33 13-2037 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial | 882.69 | 79.47 |
| 26 05 33 13-2038 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial | 1,369.37 | 129.58 |
| 26 05 33 13-2039 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial | 1,870.58 | 194.66 |
| **26 05 33 13-2040** | | **Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)* | | |
| 26 05 33 13-2041 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial | 274.75 | 21.88 |
| 26 05 33 13-2042 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial | 287.35 | 25.34 |
| 26 05 33 13-2043 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial | 339.49 | 28.79 |
| 26 05 33 13-2044 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial | 429.01 | 31.68 |
| 26 05 33 13-2045 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial | 600.73 | 39.74 |
| 26 05 33 13-2046 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial | 760.40 | 54.13 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2047 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial | 929.88 | 61.05 |
| 26 05 33 13-2048 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial | 1,089.16 | 79.47 |
| 26 05 33 13-2049 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial | 1,611.99 | 129.58 |
| 26 05 33 13-2050 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial | 1,981.95 | 194.66 |
| 26 05 33 13-2051 | | Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)* | | |
| 26 05 33 13-2052 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial | 284.64 | 21.88 |
| 26 05 33 13-2053 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial | 335.42 | 25.34 |
| 26 05 33 13-2054 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial | 379.68 | 28.79 |
| 26 05 33 13-2055 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial | 447.74 | 31.68 |
| 26 05 33 13-2056 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial | 622.75 | 39.74 |
| 26 05 33 13-2057 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial | 794.16 | 54.13 |
| 26 05 33 13-2058 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial | 1,019.87 | 61.05 |
| 26 05 33 13-2059 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial | 1,135.99 | 79.47 |
| 26 05 33 13-2060 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial | 1,677.17 | 129.58 |
| 26 05 33 13-2061 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial | 2,038.54 | 194.66 |
| 26 05 33 13-2062 | | Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial *(26 05 33 13-1948)* | | |
| 26 05 33 13-2063 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial | 94.40 | 14.40 |
| 26 05 33 13-2064 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial | 102.52 | 17.85 |
| 26 05 33 13-2065 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial | 133.33 | 21.88 |
| 26 05 33 13-2066 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial | 194.82 | 25.34 |
| 26 05 33 13-2067 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial | 231.45 | 28.79 |
| 26 05 33 13-2068 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial | 295.03 | 31.68 |
| 26 05 33 13-2069 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial | 393.14 | 39.74 |
| 26 05 33 13-2070 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial | 511.91 | 39.74 |
| 26 05 33 13-2071 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial | 658.50 | 61.05 |
| 26 05 33 13-2072 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial | 847.71 | 79.47 |
| 26 05 33 13-2073 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial | 1,546.53 | 129.58 |
| 26 05 33 13-2074 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial | 1,922.57 | 194.66 |
| 26 05 33 13-2075 | | Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial *(26 05 33 13-1948)* | | |
| 26 05 33 13-2076 | EA | 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial | 96.61 | 14.40 |
| 26 05 33 13-2077 | EA | 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial | 110.96 | 17.85 |
| 26 05 33 13-2078 | EA | 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial | 137.83 | 21.88 |
| 26 05 33 13-2079 | EA | 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial | 203.08 | 25.34 |
| 26 05 33 13-2080 | EA | 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial | 242.91 | 28.79 |
| 26 05 33 13-2081 | EA | 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial | 319.79 | 31.68 |
| 26 05 33 13-2082 | EA | 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial | 446.12 | 39.74 |
| 26 05 33 13-2083 | EA | 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial | 565.78 | 39.74 |
| 26 05 33 13-2084 | EA | 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial | 755.89 | 61.05 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2085 | EA | 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial | 944.75 | 79.47 |
| 26 05 33 13-2086 | EA | 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial | 1,724.41 | 129.58 |
| 26 05 33 13-2087 | EA | 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial | 2,209.78 | 194.66 |

## 26 05 33 13-2088 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial *(26 05 33 13-1948)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2089 | EA | 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 32.43 | 6.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.15* | |
| 26 05 33 13-2090 | EA | 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 36.23 | 8.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-2091 | EA | 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 41.89 | 10.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2092 | EA | 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 49.95 | 12.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-2093 | EA | 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 54.21 | 14.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2094 | EA | 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 35.98 | 7.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-2095 | EA | 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 38.78 | 8.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-2096 | EA | 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 44.45 | 10.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2097 | EA | 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 52.67 | 12.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-2098 | EA | 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 57.13 | 14.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2099 | EA | 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 61.87 | 16.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-2100 | EA | 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 36.16 | 7.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-2101 | EA | 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 38.95 | 8.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-2102 | EA | 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 44.78 | 10.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2103 | EA | 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 53.02 | 12.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-2104 | EA | 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 57.49 | 14.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2105 | EA | 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 62.78 | 16.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-2106 | EA | 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 38.57 | 7.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-2107 | EA | 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 41.37 | 8.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-2108 | EA | 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 47.38 | 10.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2109 | EA | 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 54.50 | 12.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-2110 | EA | 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 59.12 | 14.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2111 | EA | 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 65.63 | 16.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-2112 | EA | 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 92.14 | 19.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |
| 26 05 33 13-2113 | EA | 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 118.95 | 27.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2114 | EA | 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 38.75 | 7.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-2115 | EA | 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 41.70 | 8.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-2116 | EA | 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 47.73 | 10.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2117 | EA | 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 55.97 | 12.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-2118 | EA | 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 60.74 | 14.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2119 | EA | 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 68.48 | 16.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-2120 | EA | 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 94.65 | 19.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |
| 26 05 33 13-2121 | EA | 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 124.37 | 27.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-2122 | EA | 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 148.64 | 30.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.31* | |
| 26 05 33 13-2123 | EA | 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 173.19 | 39.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-2124 | EA | 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 39.08 | 7.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-2125 | EA | 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 42.06 | 8.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-2126 | EA | 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 48.11 | 10.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2127 | EA | 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 56.66 | 12.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-2128 | EA | 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 61.46 | 14.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2129 | EA | 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 70.03 | 16.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-2130 | EA | 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 104.67 | 19.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |
| 26 05 33 13-2131 | EA | 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 132.48 | 27.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-2132 | EA | 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 150.37 | 30.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.31* | |
| 26 05 33 13-2133 | EA | 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 177.81 | 39.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-2134 | EA | 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 262.41 | 54.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.83* | |
| 26 05 33 13-2135 | EA | 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 39.71 | 7.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-2136 | EA | 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 42.69 | 8.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-2137 | EA | 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 48.80 | 10.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2138 | EA | 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 57.93 | 12.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-2139 | EA | 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 62.98 | 14.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2140 | EA | 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 71.58 | 16.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-2141 | EA | 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 114.84 | 19.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2142 | EA | 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 143.26 | 27.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-2143 | EA | 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 160.08 | 30.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.31* | |
| 26 05 33 13-2144 | EA | 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 194.19 | 39.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-2145 | EA | 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 286.89 | 54.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.83* | |
| 26 05 33 13-2146 | EA | 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 40.71 | 7.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-2147 | EA | 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 43.66 | 8.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-2148 | EA | 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 50.33 | 10.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2149 | EA | 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 58.26 | 12.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-2150 | EA | 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 66.08 | 14.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2151 | EA | 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 79.15 | 16.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-2152 | EA | 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 127.35 | 19.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |
| 26 05 33 13-2153 | EA | 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 158.00 | 27.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-2154 | EA | 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 184.38 | 30.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.31* | |
| 26 05 33 13-2155 | EA | 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 218.77 | 39.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-2156 | EA | 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 303.66 | 54.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.83* | |
| 26 05 33 13-2157 | EA | 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 41.75 | 7.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-2158 | EA | 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 44.67 | 8.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-2159 | EA | 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 51.83 | 10.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2160 | EA | 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 62.84 | 12.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-2161 | EA | 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 73.46 | 14.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2162 | EA | 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 90.29 | 16.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-2163 | EA | 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 140.57 | 19.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |
| 26 05 33 13-2164 | EA | 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 176.89 | 27.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-2165 | EA | 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 209.91 | 30.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.31* | |
| 26 05 33 13-2166 | EA | 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 261.78 | 39.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-2167 | EA | 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 337.14 | 54.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.83* | |
| 26 05 33 13-2168 | EA | 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 42.82 | 7.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.49* | |
| 26 05 33 13-2169 | EA | 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 45.87 | 8.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2170 | EA | 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 55.64 | 10.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2171 | EA | 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 70.36 | 12.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-2172 | EA | 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 82.38 | 14.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2173 | EA | 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 99.23 | 16.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |
| 26 05 33 13-2174 | EA | 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 158.21 | 19.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.75* | |
| 26 05 33 13-2175 | EA | 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 205.21 | 27.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.24* | |
| 26 05 33 13-2176 | EA | 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 225.57 | 30.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.31* | |
| 26 05 33 13-2177 | EA | 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 274.98 | 39.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.84* | |
| 26 05 33 13-2178 | EA | 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial | 341.92 | 54.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *32.83* | |

## 26 05 33 13-2179 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1868)*

Note: Direct burial or encased application.

## 26 05 33 13-2180 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-2179)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2181 | LF | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial | 7.57 | 1.43 |
| | | *For Work In Restricted Working Space, Add* | *1.07* | |
| 26 05 33 13-2182 | LF | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial | 8.35 | 1.54 |
| | | *For Work In Restricted Working Space, Add* | *1.16* | |
| 26 05 33 13-2183 | LF | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial | 8.89 | 1.65 |
| | | *For Work In Restricted Working Space, Add* | *1.24* | |
| 26 05 33 13-2184 | LF | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial | 9.43 | 1.76 |
| | | *For Work In Restricted Working Space, Add* | *1.32* | |
| 26 05 33 13-2185 | LF | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial | 10.10 | 1.86 |
| | | *For Work In Restricted Working Space, Add* | *1.40* | |
| 26 05 33 13-2186 | LF | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial | 10.53 | 1.97 |
| | | *For Work In Restricted Working Space, Add* | *1.49* | |
| 26 05 33 13-2187 | LF | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial | 11.90 | 2.08 |
| | | *For Work In Restricted Working Space, Add* | *1.57* | |
| 26 05 33 13-2188 | LF | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial | 13.51 | 2.19 |
| | | *For Work In Restricted Working Space, Add* | *1.65* | |
| 26 05 33 13-2189 | LF | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial | 14.79 | 2.30 |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| 26 05 33 13-2190 | LF | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial | 16.07 | 2.41 |
| | | *For Work In Restricted Working Space, Add* | *1.81* | |
| 26 05 33 13-2191 | LF | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial | 18.84 | 2.52 |
| | | *For Work In Restricted Working Space, Add* | *1.90* | |
| 26 05 33 13-2192 | LF | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial | 22.25 | 2.63 |
| | | *For Work In Restricted Working Space, Add* | *1.98* | |

## 26 05 33 13-2193 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-2179)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2194 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial | 101.46 | 10.99 |
| | | *For Work In Restricted Working Space, Add* | *8.24* | |
| | | *For 24" Radius, Add* | *6.92* | |
| | | *For 36" Radius, Add* | *10.15* | |
| | | *For 48" Radius, Add* | *13.37* | |
| 26 05 33 13-2195 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial | 115.81 | 13.18 |
| | | *For Work In Restricted Working Space, Add* | *9.89* | |
| | | *For 24" Radius, Add* | *7.86* | |
| | | *For 36" Radius, Add* | *11.58* | |
| | | *For 48" Radius, Add* | *15.30* | |
| 26 05 33 13-2196 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial | 122.14 | 15.39 |
| | | *For Work In Restricted Working Space, Add* | *11.54* | |
| | | *For 24" Radius, Add* | *8.20* | |
| | | *For 36" Radius, Add* | *12.21* | |
| | | *For 48" Radius, Add* | *16.23* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2197 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial | 128.44 | 17.58 |
| | | *For Work In Restricted Working Space, Add* | *13.18* | |
| | | *For 24" Radius, Add* | *8.53* | |
| | | *For 36" Radius, Add* | *12.84* | |
| | | *For 48" Radius, Add* | *17.15* | |
| 26 05 33 13-2198 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial | 134.78 | 19.77 |
| | | *For Work In Restricted Working Space, Add* | *14.83* | |
| | | *For 24" Radius, Add* | *8.87* | |
| | | *For 36" Radius, Add* | *13.48* | |
| | | *For 48" Radius, Add* | *18.08* | |
| 26 05 33 13-2199 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial | 152.04 | 21.98 |
| | | *For Work In Restricted Working Space, Add* | *16.48* | |
| | | *For 24" Radius, Add* | *10.03* | |
| | | *For 36" Radius, Add* | *15.20* | |
| | | *For 48" Radius, Add* | *20.38* | |
| 26 05 33 13-2200 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial | 176.66 | 24.17 |
| | | *For Work In Restricted Working Space, Add* | *18.13* | |
| | | *For 24" Radius, Add* | *11.74* | |
| | | *For 36" Radius, Add* | *17.67* | |
| | | *For 48" Radius, Add* | *23.59* | |
| 26 05 33 13-2201 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial | 205.40 | 26.36 |
| | | *For Work In Restricted Working Space, Add* | *19.78* | |
| | | *For 24" Radius, Add* | *13.76* | |
| | | *For 36" Radius, Add* | *20.54* | |
| | | *For 48" Radius, Add* | *27.32* | |
| 26 05 33 13-2202 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial | 233.83 | 30.76 |
| | | *For Work In Restricted Working Space, Add* | *23.07* | |
| | | *For 24" Radius, Add* | *15.61* | |
| | | *For 36" Radius, Add* | *23.38* | |
| | | *For 48" Radius, Add* | *31.15* | |
| 26 05 33 13-2203 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial | 262.24 | 39.55 |
| | | *For Work In Restricted Working Space, Add* | *26.37* | |
| | | *For 24" Radius, Add* | *17.47* | |
| | | *For 36" Radius, Add* | *26.22* | |
| | | *For 48" Radius, Add* | *34.98* | |
| 26 05 33 13-2204 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial | 316.82 | 39.55 |
| | | *For Work In Restricted Working Space, Add* | *29.66* | |
| | | *For 24" Radius, Add* | *21.29* | |
| | | *For 36" Radius, Add* | *31.68* | |
| | | *For 48" Radius, Add* | *42.07* | |
| 26 05 33 13-2205 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial | 382.29 | 43.94 |
| | | *For Work In Restricted Working Space, Add* | *32.96* | |
| | | *For 24" Radius, Add* | *25.93* | |
| | | *For 36" Radius, Add* | *38.23* | |
| | | *For 48" Radius, Add* | *50.53* | |

## 26 05 33 13-2206 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-2179)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2207 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial | 46.03 | 6.15 |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 26 05 33 13-2208 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial | 51.72 | 7.03 |
| | | *For Work In Restricted Working Space, Add* | *5.27* | |
| 26 05 33 13-2209 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial | 54.26 | 7.91 |
| | | *For Work In Restricted Working Space, Add* | *5.93* | |
| 26 05 33 13-2210 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial | 56.76 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | *6.59* | |
| 26 05 33 13-2211 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial | 59.65 | 9.67 |
| | | *For Work In Restricted Working Space, Add* | *7.25* | |
| 26 05 33 13-2212 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial | 68.61 | 10.55 |
| | | *For Work In Restricted Working Space, Add* | *7.91* | |
| 26 05 33 13-2213 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial | 80.52 | 11.87 |
| | | *For Work In Restricted Working Space, Add* | *8.90* | |
| 26 05 33 13-2214 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial | 93.98 | 13.18 |
| | | *For Work In Restricted Working Space, Add* | *9.89* | |
| 26 05 33 13-2215 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial | 107.10 | 15.39 |
| | | *For Work In Restricted Working Space, Add* | *11.54* | |
| 26 05 33 13-2216 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial | 120.22 | 17.58 |
| | | *For Work In Restricted Working Space, Add* | *13.18* | |
| 26 05 33 13-2217 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial | 144.78 | 19.77 |
| | | *For Work In Restricted Working Space, Add* | *14.83* | |
| 26 05 33 13-2218 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial | 174.07 | 21.98 |
| | | *For Work In Restricted Working Space, Add* | *16.48* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 33 13-2219** | | **Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings** *(26 05 33 13-2179)* | | |
| 26 05 33 13-2220 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial | 32.68 | 6.15 |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 26 05 33 13-2221 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial | 36.79 | 7.03 |
| | | *For Work In Restricted Working Space, Add* | *5.27* | |
| 26 05 33 13-2222 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial | 39.18 | 7.91 |
| | | *For Work In Restricted Working Space, Add* | *5.93* | |
| 26 05 33 13-2223 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial | 41.60 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | *6.59* | |
| 26 05 33 13-2224 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial | 43.99 | 9.67 |
| | | *For Work In Restricted Working Space, Add* | *7.25* | |
| 26 05 33 13-2225 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial | 46.30 | 10.55 |
| | | *For Work In Restricted Working Space, Add* | *7.91* | |
| 26 05 33 13-2226 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial | 53.59 | 11.87 |
| | | *For Work In Restricted Working Space, Add* | *8.90* | |
| 26 05 33 13-2227 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial | 61.67 | 13.18 |
| | | *For Work In Restricted Working Space, Add* | *9.89* | |
| 26 05 33 13-2228 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial | 70.75 | 15.39 |
| | | *For Work In Restricted Working Space, Add* | *11.54* | |
| 26 05 33 13-2229 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial | 79.83 | 17.58 |
| | | *For Work In Restricted Working Space, Add* | *13.18* | |
| 26 05 33 13-2230 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial | 94.34 | 19.77 |
| | | *For Work In Restricted Working Space, Add* | *14.83* | |
| 26 05 33 13-2231 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial | 111.01 | 21.98 |
| | | *For Work In Restricted Working Space, Add* | *16.48* | |
| **26 05 33 13-2232** | | **Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings** *(26 05 33 13-2179)* | | |
| 26 05 33 13-2233 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial | 30.27 | 3.52 |
| | | *For Work In Restricted Working Space, Add* | *2.63* | |
| 26 05 33 13-2234 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial | 33.78 | 3.96 |
| | | *For Work In Restricted Working Space, Add* | *2.97* | |
| 26 05 33 13-2235 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial | 35.14 | 4.40 |
| | | *For Work In Restricted Working Space, Add* | *3.30* | |
| 26 05 33 13-2236 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial | 36.38 | 4.84 |
| | | *For Work In Restricted Working Space, Add* | *3.63* | |
| 26 05 33 13-2237 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial | 38.03 | 5.27 |
| | | *For Work In Restricted Working Space, Add* | *3.95* | |
| 26 05 33 13-2238 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial | 44.97 | 6.15 |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 26 05 33 13-2239 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial | 54.16 | 7.47 |
| | | *For Work In Restricted Working Space, Add* | *5.60* | |
| 26 05 33 13-2240 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial | 64.55 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | *6.59* | |
| 26 05 33 13-2241 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial | 75.35 | 10.99 |
| | | *For Work In Restricted Working Space, Add* | *8.24* | |
| 26 05 33 13-2242 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial | 86.16 | 13.18 |
| | | *For Work In Restricted Working Space, Add* | *9.89* | |
| 26 05 33 13-2243 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial | 104.94 | 15.39 |
| | | *For Work In Restricted Working Space, Add* | *11.54* | |
| 26 05 33 13-2244 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial | 127.08 | 17.58 |
| | | *For Work In Restricted Working Space, Add* | *13.18* | |
| **26 05 33 13-2245** | | **Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints** *(26 05 33 13-2179)* | | |
| 26 05 33 13-2246 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial | 78.61 | 21.98 |
| | | *For Work In Restricted Working Space, Add* | *16.48* | |
| 26 05 33 13-2247 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial | 92.19 | 26.36 |
| | | *For Work In Restricted Working Space, Add* | *19.78* | |
| 26 05 33 13-2248 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial | 103.47 | 30.76 |
| | | *For Work In Restricted Working Space, Add* | *23.07* | |
| 26 05 33 13-2249 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial | 114.62 | 35.16 |
| | | *For Work In Restricted Working Space, Add* | *26.37* | |
| 26 05 33 13-2250 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial | 120.72 | 37.35 |
| | | *For Work In Restricted Working Space, Add* | *28.01* | |
| 26 05 33 13-2251 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial | 131.42 | 39.55 |
| | | *For Work In Restricted Working Space, Add* | *29.66* | |
| 26 05 33 13-2252 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial | 143.43 | 41.75 |
| | | *For Work In Restricted Working Space, Add* | *31.31* | |
| 26 05 33 13-2253 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial | 156.74 | 43.94 |
| | | *For Work In Restricted Working Space, Add* | *32.96* | |
| 26 05 33 13-2254 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial | 168.09 | 46.15 |
| | | *For Work In Restricted Working Space, Add* | *34.61* | |
| 26 05 33 13-2255 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial | 179.44 | 48.34 |
| | | *For Work In Restricted Working Space, Add* | *36.26* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2256 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial | 199.58 | 50.54 |
| | | *For Work In Restricted Working Space, Add* | *37.91* | |
| 26 05 33 13-2257 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial | 223.38 | 52.74 |
| | | *For Work In Restricted Working Space, Add* | *39.55* | |

## 26 05 33 13-2258 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-2179)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2259 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial | 88.23 | 21.98 |
| | | *For Work In Restricted Working Space, Add* | *16.48* | |
| 26 05 33 13-2260 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial | 102.97 | 26.36 |
| | | *For Work In Restricted Working Space, Add* | *19.78* | |
| 26 05 33 13-2261 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial | 114.31 | 30.76 |
| | | *For Work In Restricted Working Space, Add* | *23.07* | |
| 26 05 33 13-2262 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial | 125.58 | 35.16 |
| | | *For Work In Restricted Working Space, Add* | *26.37* | |
| 26 05 33 13-2263 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial | 131.77 | 37.35 |
| | | *For Work In Restricted Working Space, Add* | *28.01* | |
| 26 05 33 13-2264 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial | 144.04 | 39.55 |
| | | *For Work In Restricted Working Space, Add* | *29.66* | |
| 26 05 33 13-2265 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial | 158.56 | 41.75 |
| | | *For Work In Restricted Working Space, Add* | *31.31* | |
| 26 05 33 13-2266 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial | 174.90 | 43.94 |
| | | *For Work In Restricted Working Space, Add* | *32.96* | |
| 26 05 33 13-2267 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial | 188.53 | 46.15 |
| | | *For Work In Restricted Working Space, Add* | *34.61* | |
| 26 05 33 13-2268 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial | 202.17 | 48.34 |
| | | *For Work In Restricted Working Space, Add* | *36.26* | |
| 26 05 33 13-2269 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial | 228.06 | 50.54 |
| | | *For Work In Restricted Working Space, Add* | *37.91* | |
| 26 05 33 13-2270 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial | 258.97 | 52.74 |
| | | *For Work In Restricted Working Space, Add* | *39.55* | |

## 26 05 33 13-2271 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-2179)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2272 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial | 94.57 | 6.15 |
| | | *For Work In Restricted Working Space, Add* | *4.62* | |
| 26 05 33 13-2273 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial | 105.54 | 7.03 |
| | | *For Work In Restricted Working Space, Add* | *5.27* | |
| 26 05 33 13-2274 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial | 110.43 | 7.91 |
| | | *For Work In Restricted Working Space, Add* | *5.93* | |
| 26 05 33 13-2275 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial | 115.46 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | *6.59* | |
| 26 05 33 13-2276 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial | 119.10 | 9.67 |
| | | *For Work In Restricted Working Space, Add* | *7.25* | |
| 26 05 33 13-2277 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial | 130.33 | 10.55 |
| | | *For Work In Restricted Working Space, Add* | *7.91* | |
| 26 05 33 13-2278 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial | 154.45 | 11.87 |
| | | *For Work In Restricted Working Space, Add* | *8.90* | |
| 26 05 33 13-2279 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial | 182.61 | 13.18 |
| | | *For Work In Restricted Working Space, Add* | *9.89* | |
| 26 05 33 13-2280 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial | 206.81 | 15.39 |
| | | *For Work In Restricted Working Space, Add* | *11.54* | |
| 26 05 33 13-2281 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial | 231.02 | 17.58 |
| | | *For Work In Restricted Working Space, Add* | *13.18* | |
| 26 05 33 13-2282 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial | 283.36 | 19.77 |
| | | *For Work In Restricted Working Space, Add* | *14.83* | |
| 26 05 33 13-2283 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial | 345.51 | 21.98 |
| | | *For Work In Restricted Working Space, Add* | *16.48* | |

## 26 05 33 13-2284 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-2179)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2285 | EA | 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial | 104.95 | 21.98 |
| | | *For Work In Restricted Working Space, Add* | *16.48* | |
| 26 05 33 13-2286 | EA | 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial | 121.51 | 26.36 |
| | | *For Work In Restricted Working Space, Add* | *19.78* | |
| 26 05 33 13-2287 | EA | 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial | 145.58 | 30.76 |
| | | *For Work In Restricted Working Space, Add* | *23.07* | |
| 26 05 33 13-2288 | EA | 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial | 180.48 | 35.16 |
| | | *For Work In Restricted Working Space, Add* | *26.37* | |
| 26 05 33 13-2289 | EA | 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial | 220.30 | 37.35 |
| | | *For Work In Restricted Working Space, Add* | *28.01* | |
| 26 05 33 13-2290 | EA | 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial | 286.98 | 39.55 |
| | | *For Work In Restricted Working Space, Add* | *29.66* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2291 | EA | 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial | 400.36 | 41.75 |
| | | *For Work In Restricted Working Space, Add* | *31.31* | |
| 26 05 33 13-2292 | EA | 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial | 476.90 | 43.94 |
| | | *For Work In Restricted Working Space, Add* | *32.96* | |
| 26 05 33 13-2293 | EA | 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial | 566.75 | 46.15 |
| | | *For Work In Restricted Working Space, Add* | *34.61* | |
| 26 05 33 13-2294 | EA | 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial | 656.61 | 48.34 |
| | | *For Work In Restricted Working Space, Add* | *36.26* | |
| 26 05 33 13-2295 | EA | 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial | 762.73 | 50.54 |
| | | *For Work In Restricted Working Space, Add* | *37.91* | |
| 26 05 33 13-2296 | EA | 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial | 1,212.21 | 52.74 |
| | | *For Work In Restricted Working Space, Add* | *39.55* | |

## 26 05 33 13-2297 Spacers *(26 05 33 13-1868)*

Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1868 for conduit.

| | | | |
|---|---|---|---|
| 26 05 33 13-2298 | EA | 1" Base Spacers, Average 4" Wide, Direct Burial | 11.87 |
| 26 05 33 13-2299 | EA | 1" Intermediate Spacers, Average 4" Wide, Direct Burial | 12.73 |
| 26 05 33 13-2300 | EA | 1-1/4" Base Spacer, Average 4" Wide, Direct Burial | 14.09 |
| 26 05 33 13-2301 | EA | 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial | 15.14 |
| 26 05 33 13-2302 | EA | 1-1/2" Base Spacer, Average 4" Wide, Direct Burial | 14.24 |
| 26 05 33 13-2303 | EA | 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial | 15.24 |
| 26 05 33 13-2304 | EA | 2" Base Spacer, Average 4" Wide, Direct Burial | 17.61 |
| 26 05 33 13-2305 | EA | 2" Intermediate Spacers, Average 4" Wide, Direct Burial | 16.34 |
| 26 05 33 13-2306 | EA | 2-1/2" Base Spacer, Average 4" Wide, Direct Burial | 19.44 |
| 26 05 33 13-2307 | EA | 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial | 18.80 |
| 26 05 33 13-2308 | EA | 3" Base Spacer, Average 4" Wide, Direct Burial | 22.21 |
| 26 05 33 13-2309 | EA | 3" Intermediate Spacers, Average 4" Wide, Direct Burial | 21.24 |
| 26 05 33 13-2310 | EA | 3-1/2" Base Spacer, Average 4" Wide, Direct Burial | 24.06 |
| 26 05 33 13-2311 | EA | 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial | 23.02 |
| 26 05 33 13-2312 | EA | 4" Base Spacer, Average 4" Wide, Direct Burial | 24.82 |
| 26 05 33 13-2313 | EA | 4" Intermediate Spacers, Average 4" Wide, Direct Burial | 23.67 |
| 26 05 33 13-2314 | EA | 5" Base Spacer, Average 4" Wide, Direct Burial | 27.45 |
| 26 05 33 13-2315 | EA | 5" Intermediate Spacers, Average 4" Wide, Direct Burial | 26.09 |
| 26 05 33 13-2316 | EA | 6" Base Spacer, Average 4" Wide, Direct Burial | 31.16 |
| 26 05 33 13-2317 | EA | 6" Intermediate Spacers, Average 4" Wide, Direct Burial | 30.03 |

## 26 05 33 13-2318 Conduit Field Bending *(26 05 33 13-0058)*

Note: Conduit tasks by LF include field bending up to and include 1" conduit.

## 26 05 33 13-2319 Metallic Conduit Field Bending *(26 05 33 13-2318)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).

| | | | |
|---|---|---|---|
| 26 05 33 13-2320 | EA | 1-1/4" Metallic Conduit Field Bending | 20.73 |
| | | *For Aluminum Conduit Bending, Add* | *13.68* |
| 26 05 33 13-2321 | EA | 1-1/2" Metallic Conduit Field Bending | 25.91 |
| | | *For Aluminum Conduit Bending, Add* | *17.10* |
| 26 05 33 13-2322 | EA | 2" Metallic Conduit Field Bending | 32.39 |
| | | *For Aluminum Conduit Bending, Add* | *21.38* |
| 26 05 33 13-2323 | EA | 2-1/2" Metallic Conduit Field Bending | 45.35 |
| | | *For Aluminum Conduit Bending, Add* | *29.93* |
| 26 05 33 13-2324 | EA | 3" Metallic Conduit Field Bending | 58.30 |
| | | *For Aluminum Conduit Bending, Add* | *38.48* |
| 26 05 33 13-2325 | EA | 3-1/2" Metallic Conduit Field Bending | 77.74 |
| | | *For Aluminum Conduit Bending, Add* | *51.31* |
| 26 05 33 13-2326 | EA | 4" Metallic Conduit Field Bending | 90.69 |
| | | *For Aluminum Conduit Bending, Add* | *59.86* |
| 26 05 33 13-2327 | EA | 5" Metallic Conduit Field Bending | 103.65 |
| | | *For Aluminum Conduit Bending, Add* | *68.41* |
| 26 05 33 13-2328 | EA | 6" Metallic Conduit Field Bending | 123.09 |
| | | *For Aluminum Conduit Bending, Add* | *81.24* |

## 26 05 33 13-2329 Plastic Conduit Field Bending *(26 05 33 13-2318)*

Note: For PVC conduits.

| | | | |
|---|---|---|---|
| 26 05 33 13-2330 | EA | 1" Plastic Conduit Field Bending | 29.80 |
| 26 05 33 13-2331 | EA | 1-1/4" Plastic Conduit Field Bending | 32.39 |
| 26 05 33 13-2332 | EA | 1-1/2" Plastic Conduit Field Bending | 38.87 |
| 26 05 33 13-2333 | EA | 2" Plastic Conduit Field Bending | 51.83 |
| 26 05 33 13-2334 | EA | 2-1/2" Plastic Conduit Field Bending | 64.79 |
| 26 05 33 13-2335 | EA | 3" Plastic Conduit Field Bending | 77.74 |
| 26 05 33 13-2336 | EA | 3-1/2" Plastic Conduit Field Bending | 90.69 |
| 26 05 33 13-2337 | EA | 4" Plastic Conduit Field Bending | 103.65 |
| 26 05 33 13-2338 | EA | 5" Plastic Conduit Field Bending | 116.61 |
| 26 05 33 13-2339 | EA | 6" Plastic Conduit Field Bending | 129.56 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 26 05 33 13-2340 Cut And Thread Existing In-Place Threaded Conduit *(26 05 33 13-0058)*

Note: For use when connecting conduit to an existing in-place system.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2341 | EA | 1/2", Cut And Thread Existing In-Place Threaded Conduit | 37.88 | |
| | | *For Work In Restricted Working Space, Add* | *11.36* | |
| 26 05 33 13-2342 | EA | 3/4", Cut And Thread Existing In-Place Threaded Conduit | 41.66 | |
| | | *For Work In Restricted Working Space, Add* | *12.50* | |
| 26 05 33 13-2343 | EA | 1", Cut And Thread Existing In-Place Threaded Conduit | 45.46 | |
| | | *For Work In Restricted Working Space, Add* | *13.64* | |
| 26 05 33 13-2344 | EA | 1-1/4", Cut And Thread Existing In-Place Threaded Conduit | 49.24 | |
| | | *For Work In Restricted Working Space, Add* | *14.77* | |
| 26 05 33 13-2345 | EA | 1-1/2", Cut And Thread Existing In-Place Threaded Conduit | 51.77 | |
| | | *For Work In Restricted Working Space, Add* | *15.53* | |
| 26 05 33 13-2346 | EA | 2", Cut And Thread Existing In-Place Threaded Conduit | 54.29 | |
| | | *For Work In Restricted Working Space, Add* | *16.29* | |
| 26 05 33 13-2347 | EA | 2-1/2", Cut And Thread Existing In-Place Threaded Conduit | 56.82 | |
| | | *For Work In Restricted Working Space, Add* | *17.05* | |
| 26 05 33 13-2348 | EA | 3", Cut And Thread Existing In-Place Threaded Conduit | 59.35 | |
| | | *For Work In Restricted Working Space, Add* | *17.81* | |
| 26 05 33 13-2349 | EA | 3-1/2", Cut And Thread Existing In-Place Threaded Conduit | 60.60 | |
| | | *For Work In Restricted Working Space, Add* | *18.18* | |
| 26 05 33 13-2350 | EA | 4", Cut And Thread Existing In-Place Threaded Conduit | 61.87 | |
| | | *For Work In Restricted Working Space, Add* | *18.56* | |
| 26 05 33 13-2351 | EA | 5", Cut And Thread Existing In-Place Threaded Conduit | 64.40 | |
| | | *For Work In Restricted Working Space, Add* | *19.32* | |
| 26 05 33 13-2352 | EA | 6", Cut And Thread Existing In-Place Threaded Conduit | 66.92 | |
| | | *For Work In Restricted Working Space, Add* | *20.08* | |

### 26 05 33 13-2353 Flexible Conduit *(26 05 33 13-0058)*

### 26 05 33 13-2354 Flexible Liquid Tight Metallic Conduit And Connectors *(26 05 33 13-2353)*

Note: Steel inner core with PVC cover.

### 26 05 33 13-2355 Flexible Liquid Tight Metallic Conduit *(26 05 33 13-2354)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2356 | LF | 3/8" Flexible Liquid Tight Metallic Conduit | 4.88 | 1.38 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.52* | |
| | | *For Work In Restricted Working Space, Add* | *1.04* | |
| 26 05 33 13-2357 | LF | 1/2" Flexible Liquid Tight Metallic Conduit | 5.09 | 1.38 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.52* | |
| | | *For Work In Restricted Working Space, Add* | *1.04* | |
| 26 05 33 13-2358 | LF | 3/4" Flexible Liquid Tight Metallic Conduit | 6.82 | 1.84 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.69* | |
| | | *For Work In Restricted Working Space, Add* | *1.38* | |
| 26 05 33 13-2359 | LF | 1" Flexible Liquid Tight Metallic Conduit | 7.95 | 1.84 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.69* | |
| | | *For Work In Restricted Working Space, Add* | *1.38* | |
| 26 05 33 13-2360 | LF | 1-1/4" Flexible Liquid Tight Metallic Conduit | 10.30 | 2.31 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.86* | |
| | | *For Work In Restricted Working Space, Add* | *1.73* | |
| 26 05 33 13-2361 | LF | 1-1/2" Flexible Liquid Tight Metallic Conduit | 13.29 | 2.77 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.04* | |
| | | *For Work In Restricted Working Space, Add* | *2.07* | |
| 26 05 33 13-2362 | LF | 2" Flexible Liquid Tight Metallic Conduit | 17.47 | 3.69 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.38* | |
| | | *For Work In Restricted Working Space, Add* | *2.76* | |
| 26 05 33 13-2363 | LF | 2-1/2" Flexible Liquid Tight Metallic Conduit | 24.01 | 4.15 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.56* | |
| | | *For Work In Restricted Working Space, Add* | *3.11* | |
| 26 05 33 13-2364 | LF | 3" Flexible Liquid Tight Metallic Conduit | 35.61 | 5.07 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.90* | |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| 26 05 33 13-2365 | LF | 4" Flexible Liquid Tight Metallic Conduit | 48.88 | 6.45 |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *2.42* | |
| | | *For Work In Restricted Working Space, Add* | *4.84* | |

### 26 05 33 13-2366 Straight Liquid Tight Connector *(26 05 33 13-2354)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2367 | EA | 3/8" Straight Liquid Tight Connector | 13.26 | 3.69 |
| | | *For Work In Restricted Working Space, Add* | *2.76* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.76* | |
| 26 05 33 13-2368 | EA | 1/2" Straight Liquid Tight Connector | 13.26 | 3.69 |
| | | *For Work In Restricted Working Space, Add* | *2.76* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.76* | |
| 26 05 33 13-2369 | EA | 3/4" Straight Liquid Tight Connector | 16.17 | 4.15 |
| | | *For Work In Restricted Working Space, Add* | *3.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.11* | |
| 26 05 33 13-2370 | EA | 1" Straight Liquid Tight Connector | 21.87 | 4.61 |
| | | *For Work In Restricted Working Space, Add* | *3.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.46* | |
| 26 05 33 13-2371 | EA | 1-1/4" Straight Liquid Tight Connector | 28.31 | 5.07 |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.80* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2372 | EA | 1-1/2" Straight Liquid Tight Connector | 36.14 | 5.53 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.15* | |
| 26 05 33 13-2373 | EA | 2" Straight Liquid Tight Connector | 50.13 | 6.45 |
| | | *For Work In Restricted Working Space, Add* | *4.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.84* | |
| 26 05 33 13-2374 | EA | 2-1/2" Straight Liquid Tight Connector | 175.09 | 8.29 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.22* | |
| 26 05 33 13-2375 | EA | 3" Straight Liquid Tight Connector | 226.30 | 8.75 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2376 | EA | 4" Straight Liquid Tight Connector | 276.38 | 12.90 |
| | | *For Work In Restricted Working Space, Add* | *9.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.68* | |

## 26 05 33 13-2377 90 Degree Angle Liquid Tight Connector *(26 05 33 13-2354)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2378 | EA | 3/8" 90 Degree Angle Liquid Tight Connector | 19.43 | 5.07 |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.80* | |
| 26 05 33 13-2379 | EA | 1/2" 90 Degree Angle Liquid Tight Connector | 20.30 | 5.07 |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.80* | |
| 26 05 33 13-2380 | EA | 3/4" 90 Degree Angle Liquid Tight Connector | 23.00 | 5.53 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.15* | |
| 26 05 33 13-2381 | EA | 1" 90 Degree Angle Liquid Tight Connector | 32.82 | 6.45 |
| | | *For Work In Restricted Working Space, Add* | *4.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.84* | |
| 26 05 33 13-2382 | EA | 1-1/4" 90 Degree Angle Liquid Tight Connector | 41.67 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-2383 | EA | 1-1/2" 90 Degree Angle Liquid Tight Connector | 50.83 | 7.37 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.53* | |
| 26 05 33 13-2384 | EA | 2" 90 Degree Angle Liquid Tight Connector | 67.66 | 8.29 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.22* | |
| 26 05 33 13-2385 | EA | 2-1/2" 90 Degree Angle Liquid Tight Connector | 245.40 | 8.75 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2386 | EA | 3" 90 Degree Angle Liquid Tight Connector | 290.04 | 10.13 |
| | | *For Work In Restricted Working Space, Add* | *7.60* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.60* | |
| 26 05 33 13-2387 | EA | 4" 90 Degree Angle Liquid Tight Connector | 400.63 | 16.13 |
| | | *For Work In Restricted Working Space, Add* | *12.09* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.09* | |

## 26 05 33 13-2388 45 Degree Angle Connector *(26 05 33 13-2354)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2389 | EA | 3/8" 45 Degree Angle Liquid Tight Connector | 19.14 | 5.07 |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.80* | |
| 26 05 33 13-2390 | EA | 1/2" 45 Degree Angle Liquid Tight Connector | 19.34 | 5.07 |
| | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.80* | |
| 26 05 33 13-2391 | EA | 3/4" 45 Degree Angle Liquid Tight Connector | 23.00 | 5.53 |
| | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.15* | |
| 26 05 33 13-2392 | EA | 1" 45 Degree Angle Liquid Tight Connector | 35.20 | 6.45 |
| | | *For Work In Restricted Working Space, Add* | *4.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.84* | |
| 26 05 33 13-2393 | EA | 1-1/4" 45 Degree Angle Liquid Tight Connector | 40.13 | 6.91 |
| | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-2394 | EA | 1-1/2" 45 Degree Angle Liquid Tight Connector | 45.08 | 7.37 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.53* | |

## 26 05 33 13-2395 Flexible Metallic Conduit And Connectors *(26 05 33 13-2353)*

## 26 05 33 13-2396 Flexible Steel Conduit *(26 05 33 13-2395)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2397 | LF | 3/8" Flexible Metallic Conduit | 4.53 | 1.51 |
| | | *For Flexible Aluminum Conduit, Add* | *0.14* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.56* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.37* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *0.93* | |
| | | *For Work In Restricted Working Space, Add* | *1.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2398 | LF | 1/2" Flexible Metallic Conduit | 4.70 | 1.51 |
| | | *For Flexible Aluminum Conduit, Add* | *0.15* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.57* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.38* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *0.95* | |
| | | *For Work In Restricted Working Space, Add* | *1.13* | |
| 26 05 33 13-2399 | LF | 3/4" Flexible Metallic Conduit | 5.35 | 2.01 |
| | | *For Flexible Aluminum Conduit, Add* | *0.21* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.62* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.41* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.03* | |
| | | *For Work In Restricted Working Space, Add* | *1.23* | |
| 26 05 33 13-2400 | LF | 1" Flexible Metallic Conduit | 6.74 | 2.01 |
| | | *For Flexible Aluminum Conduit, Add* | *0.38* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.66* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.44* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.10* | |
| | | *For Work In Restricted Working Space, Add* | *1.32* | |
| 26 05 33 13-2401 | LF | 1-1/4" Flexible Metallic Conduit | 7.70 | 2.53 |
| | | *For Flexible Aluminum Conduit, Add* | *0.50* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.70* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.47* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.17* | |
| | | *For Work In Restricted Working Space, Add* | *1.40* | |
| 26 05 33 13-2402 | LF | 1-1/2" Flexible Metallic Conduit | 10.18 | 3.03 |
| | | *For Flexible Aluminum Conduit, Add* | *0.88* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.73* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.49* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.21* | |
| | | *For Work In Restricted Working Space, Add* | *1.46* | |
| 26 05 33 13-2403 | LF | 2" Flexible Metallic Conduit | 11.58 | 4.04 |
| | | *For Flexible Aluminum Conduit, Add* | *1.08* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.76* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.50* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.26* | |
| | | *For Work In Restricted Working Space, Add* | *1.51* | |
| 26 05 33 13-2404 | LF | 2-1/2" Flexible Steel Conduit | 14.21 | 4.54 |
| | | *For Flexible Aluminum Conduit, Add* | *1.31* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *0.95* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.63* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.58* | |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |
| 26 05 33 13-2405 | LF | 3" Flexible Metallic Conduit | 21.31 | 5.55 |
| | | *For Flexible Aluminum Conduit, Add* | *2.27* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.14* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.76* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *1.89* | |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |
| 26 05 33 13-2406 | LF | 3-1/2" Flexible Metallic Conduit | 26.15 | 6.05 |
| | | *For Flexible Aluminum Conduit, Add* | *2.86* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.32* | |
| | | *For Installation In Metal Stud Wall, Add* | *0.88* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *2.21* | |
| | | *For Work In Restricted Working Space, Add* | *2.65* | |
| 26 05 33 13-2407 | LF | 4" Flexible Metallic Conduit | 30.07 | 7.06 |
| | | *For Flexible Aluminum Conduit, Add* | *3.30* | |
| | | *For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add* | *1.51* | |
| | | *For Installation In Metal Stud Wall, Add* | *1.01* | |
| | | *For Installation In Wood Stud Wall (Includes Drilling), Add* | *2.52* | |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |

## 26 05 33 13-2408 Plain Squeeze Type Straight Connector *(26 05 33 13-2395)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2409 | EA | 3/8" Flexible Straight Connectors, Plain | 7.78 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *1.70* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1.70* | |
| 26 05 33 13-2410 | EA | 1/2" Flexible Straight Connectors, Plain | 9.65 | 4.54 |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1.89* | |
| 26 05 33 13-2411 | EA | 3/4" Flexible Straight Connectors, Plain | 11.10 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.27* | |
| 26 05 33 13-2412 | EA | 1" Flexible Straight Connectors, Plain | 17.82 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.02* | |
| 26 05 33 13-2413 | EA | 1-1/4" Flexible Straight Connectors, Plain | 25.28 | 7.06 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.78* | |
| 26 05 33 13-2414 | EA | 1-1/2" Flexible Straight Connectors, Plain | 33.34 | 8.57 |
| | | *For Work In Restricted Working Space, Add* | *4.73* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.73* | |
| 26 05 33 13-2415 | EA | 2" Flexible Straight Connectors, Plain | 43.93 | 8.57 |
| | | *For Work In Restricted Working Space, Add* | *5.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2416 | EA | 2-1/2" Flexible Straight Connectors, Plain | 71.21 | 10.59 |
| | | *For Work In Restricted Working Space, Add* | *6.62* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.62* | |
| 26 05 33 13-2417 | EA | 3" Flexible Straight Connectors, Plain | 93.35 | 11.59 |
| | | *For Work In Restricted Working Space, Add* | *7.56* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 05 33 13-2418 | EA | 3-1/2" Flexible Straight Connectors, Plain | 291.90 | 13.62 |
| | | *For Work In Restricted Working Space, Add* | *8.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.51* | |
| 26 05 33 13-2419 | EA | 4" Flexible Straight Connectors, Plain | 364.92 | 16.65 |
| | | *For Work In Restricted Working Space, Add* | *9.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |

## 26 05 33 13-2420 Insulated Throat Squeeze Type Straight Connector *(26 05 33 13-2395)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2421 | EA | 1/2" Flexible Straight Connectors, Insulated | 10.80 | 4.54 |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1.89* | |
| 26 05 33 13-2422 | EA | 3/4" Flexible Straight Connectors, Insulated | 12.61 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.27* | |
| 26 05 33 13-2423 | EA | 1" Flexible Straight Connectors, Insulated | 19.88 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.02* | |
| 26 05 33 13-2424 | EA | 1-1/4" Flexible Straight Connectors, Insulated | 29.06 | 7.06 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.78* | |
| 26 05 33 13-2425 | EA | 1-1/2" Flexible Straight Connectors, Insulated | 40.07 | 7.57 |
| | | *For Work In Restricted Working Space, Add* | *4.73* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.73* | |
| 26 05 33 13-2426 | EA | 2" Flexible Straight Connectors, Insulated | 55.81 | 8.57 |
| | | *For Work In Restricted Working Space, Add* | *5.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 05 33 13-2427 | EA | 2-1/2" Flexible Straight Connectors, Insulated | 96.62 | 10.59 |
| | | *For Work In Restricted Working Space, Add* | *6.62* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.62* | |
| 26 05 33 13-2428 | EA | 3" Flexible Straight Connectors, Insulated | 123.31 | 11.59 |
| | | *For Work In Restricted Working Space, Add* | *7.56* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 05 33 13-2429 | EA | 3-1/2" Flexible Straight Connectors, Insulated | 338.07 | 13.62 |
| | | *For Work In Restricted Working Space, Add* | *8.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.51* | |
| 26 05 33 13-2430 | EA | 4" Flexible Straight Connectors, Insulated | 434.35 | 16.65 |
| | | *For Work In Restricted Working Space, Add* | *9.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |

## 26 05 33 13-2431 Plain Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2432 | EA | 3/8" Flexible 90 Degree Connector, Plain | 10.95 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.27* | |
| 26 05 33 13-2433 | EA | 1/2" Flexible 90 Degree Connector, Plain | 14.48 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *2.65* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.65* | |
| 26 05 33 13-2434 | EA | 3/4" Flexible 90 Degree Connector, Plain | 18.93 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.02* | |
| 26 05 33 13-2435 | EA | 1" Flexible 90 Degree Connector, Plain | 26.58 | 7.06 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.78* | |
| 26 05 33 13-2436 | EA | 1-1/4" Flexible 90 Degree Connector, Plain | 41.65 | 7.57 |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.54* | |
| 26 05 33 13-2437 | EA | 1-1/2" Flexible 90 Degree Connector, Plain | 65.26 | 8.83 |
| | | *For Work In Restricted Working Space, Add* | *5.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 05 33 13-2438 | EA | 2" Flexible 90 Degree Connector, Plain | 78.75 | 10.84 |
| | | *For Work In Restricted Working Space, Add* | *6.43* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.43* | |
| 26 05 33 13-2439 | EA | 2-1/2" Flexible 90 Degree Connector, Plain | 174.60 | 11.59 |
| | | *For Work In Restricted Working Space, Add* | *7.56* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 05 33 13-2440 | EA | 3" Flexible 90 Degree Connector, Plain | 224.48 | 13.62 |
| | | *For Work In Restricted Working Space, Add* | *8.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.51* | |
| 26 05 33 13-2441 | EA | 3-1/2" Flexible 90 Degree Connector, Plain | 477.52 | 16.65 |
| | | *For Work In Restricted Working Space, Add* | *9.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 05 33 13-2442 | EA | 4" Flexible 90 Degree Connector, Plain | 853.95 | 18.91 |
| | | *For Work In Restricted Working Space, Add* | *11.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |

## 26 05 33 13-2443 Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2444 | EA | 1/2" Flexible 90 Degree Connector, Insulated | 16.08 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *2.65* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.65* | |
| 26 05 33 13-2445 | EA | 3/4" Flexible 90 Degree Connector, Insulated | 20.90 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.02* | |
| 26 05 33 13-2446 | EA | 1" Flexible 90 Degree Connector, Insulated | 26.58 | 7.06 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.78* | |
| 26 05 33 13-2447 | EA | 1-1/4" Flexible 90 Degree Connector, Insulated | 48.66 | 7.57 |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.54* | |
| 26 05 33 13-2448 | EA | 1-1/2" Flexible 90 Degree Connector, Insulated | 77.99 | 8.83 |
| | | *For Work In Restricted Working Space, Add* | *5.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 05 33 13-2449 | EA | 2" Flexible 90 Degree Connector, Insulated | 99.45 | 10.84 |
| | | *For Work In Restricted Working Space, Add* | *6.43* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.43* | |
| 26 05 33 13-2450 | EA | 2-1/2" Flexible 90 Degree Connector, Insulated | 239.30 | 11.59 |
| | | *For Work In Restricted Working Space, Add* | *7.56* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 05 33 13-2451 | EA | 3" Flexible 90 Degree Connector, Insulated | 294.58 | 13.62 |
| | | *For Work In Restricted Working Space, Add* | *8.51* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.51* | |
| 26 05 33 13-2452 | EA | 3-1/2" Flexible 90 Degree Connector, Insulated | 795.23 | 16.65 |
| | | *For Work In Restricted Working Space, Add* | *9.46* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 05 33 13-2453 | EA | 4" Flexible 90 Degree Connector, Insulated | 1,186.71 | 18.91 |
| | | *For Work In Restricted Working Space, Add* | *11.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |

## 26 05 33 13-2454 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2455 | EA | 3/8" Flexible 45 Degree Connector, Plain | 12.24 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.27* | |
| 26 05 33 13-2456 | EA | 1/2" Flexible 45 Degree Connector, Plain | 16.55 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *2.65* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.65* | |
| 26 05 33 13-2457 | EA | 3/4" Flexible 45 Degree Connector, Plain | 21.24 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.02* | |

## 26 05 33 13-2458 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2459 | EA | 3/8" Flexible 45 Degree Connector, Insulated | 13.13 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.27* | |
| 26 05 33 13-2460 | EA | 1/2" Flexible 45 Degree Connector, Insulated | 18.01 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *2.65* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.65* | |
| 26 05 33 13-2461 | EA | 3/4" Flexible 45 Degree Connector, Insulated | 23.31 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.02* | |

## 26 05 33 13-2462 Plain Screw-In Connector *(26 05 33 13-2395)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2463 | EA | 3/8" Flexible Steel Screw-in Connector, Plain | 6.45 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *1.70* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1.70* | |
| 26 05 33 13-2464 | EA | 1/2" Flexible Steel Screw-in Connector, Plain | 6.95 | 4.54 |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1.89* | |
| 26 05 33 13-2465 | EA | 3/4" Flexible Steel Screw-in Connector, Plain | 8.88 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.27* | |
| 26 05 33 13-2466 | EA | 1" Flexible Steel Screw-in Connector, Plain | 12.72 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.02* | |
| 26 05 33 13-2467 | EA | 1-1/4" Flexible Steel Screw-in Connector, Plain | 18.79 | 7.06 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.78* | |
| 26 05 33 13-2468 | EA | 1-1/2" Flexible Steel Screw-in Connector, Plain | 22.95 | 7.57 |
| | | *For Work In Restricted Working Space, Add* | *4.73* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.73* | |
| 26 05 33 13-2469 | EA | 2" Flexible Steel Screw-in Connector, Plain | 33.85 | 8.57 |
| | | *For Work In Restricted Working Space, Add* | *5.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |

## 26 05 33 13-2470 Insulated Screw-In Connector *(26 05 33 13-2395)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2471 | EA | 3/8" Flexible Steel Screw-in Connector, Insulated | 6.83 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *1.70* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1.70* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2472 | EA | 1/2" Flexible Steel Screw-in Connector, Insulated | 7.25 | 4.54 |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1.89* | |
| 26 05 33 13-2473 | EA | 3/4" Flexible Steel Screw-in Connector, Insulated | 9.67 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.27* | |
| 26 05 33 13-2474 | EA | 1" Flexible Steel Screw-in Connector, Insulated | 13.92 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.02* | |
| 26 05 33 13-2475 | EA | 1-1/4" Flexible Steel Screw-in Connector, Insulated | 20.49 | 7.06 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.78* | |
| 26 05 33 13-2476 | EA | 1-1/2" Flexible Steel Screw-in Connector, Insulated | 24.99 | 7.57 |
| | | *For Work In Restricted Working Space, Add* | *4.73* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.73* | |
| 26 05 33 13-2477 | EA | 2" Flexible Steel Screw-in Connector, Insulated | 35.65 | 8.57 |
| | | *For Work In Restricted Working Space, Add* | *5.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |

## 26 05 33 13-2478 Screw-In Coupling *(26 05 33 13-2395)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2479 | EA | 1/2" Flexible Steel Screw-in Coupling | 7.70 | 4.54 |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |
| 26 05 33 13-2480 | EA | 3/4" Flexible Steel Screw-in Coupling | 10.12 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |

## 26 05 33 13-2481 Flexible To Electrical Metallic Tubing (EMT) Coupling *(26 05 33 13-2395)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2482 | EA | 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling | 10.42 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *1.70* | |
| 26 05 33 13-2483 | EA | 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling | 14.22 | 4.54 |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |
| 26 05 33 13-2484 | EA | 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling | 18.83 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |

## 26 05 33 13-2485 Die Cast Squeeze Type Straight Connector *(26 05 33 13-2395)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2486 | EA | 3/8" Flexible Straight Connector, Die Cast | 6.69 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *1.70* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1.70* | |
| 26 05 33 13-2487 | EA | 1/2" Flexible Straight Connector, Die Cast | 7.57 | 4.54 |
| | | *For Work In Restricted Working Space, Add* | *1.89* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1.89* | |
| 26 05 33 13-2488 | EA | 3/4" Flexible Straight Connector, Die Cast | 9.41 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.27* | |
| 26 05 33 13-2489 | EA | 1" Flexible Straight Connector, Die Cast | 14.19 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.02* | |
| 26 05 33 13-2490 | EA | 1-1/4" Flexible Straight Connector, Die Cast | 19.15 | 7.06 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.78* | |
| 26 05 33 13-2491 | EA | 1-1/2" Flexible Straight Connector, Die Cast | 26.02 | 7.57 |
| | | *For Work In Restricted Working Space, Add* | *4.73* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.73* | |
| 26 05 33 13-2492 | EA | 2" Flexible Straight Connector, Die Cast | 33.68 | 8.57 |
| | | *For Work In Restricted Working Space, Add* | *5.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |

## 26 05 33 13-2493 Die Cast Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2494 | EA | 3/8" Flexible 90 Degree Connector, Die Cast | 8.87 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | *2.27* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.27* | |
| 26 05 33 13-2495 | EA | 1/2" Flexible 90 Degree Connector, Die Cast | 11.01 | 5.55 |
| | | *For Work In Restricted Working Space, Add* | *2.65* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.65* | |
| 26 05 33 13-2496 | EA | 3/4" Flexible 90 Degree Connector, Die Cast | 13.36 | 6.05 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.02* | |
| 26 05 33 13-2497 | EA | 1" Flexible 90 Degree Connector, Die Cast | 21.28 | 7.06 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.78* | |
| 26 05 33 13-2498 | EA | 1-1/4" Flexible 90 Degree Connector, Die Cast | 30.27 | 7.57 |
| | | *For Work In Restricted Working Space, Add* | *4.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.54* | |
| 26 05 33 13-2499 | EA | 1-1/2" Flexible 90 Degree Connector, Die Cast | 47.16 | 8.83 |
| | | *For Work In Restricted Working Space, Add* | *5.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 05 33 13-2500 | EA | 2" Flexible 90 Degree Connector, Die Cast | 56.43 | 10.84 |
| | | *For Work In Restricted Working Space, Add* | *6.43* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.43* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| **26 05 33 13-2501** | | | **Flexible Liquid Tight Non-Metallic Conduit And Connectors** *(26 05 33 13-2353)* | | |
| **26 05 33 13-2502** | | | **Flexible Liquid Tight Non-Metallic Conduit** *(26 05 33 13-2501)* | | |
| 26 05 33 13-2503 | | LF | 3/8" Flexible Liquid Tight Non-Metallic Conduit | 4.36 | 1.38 |
| | | | *For Work In Restricted Working Space, Add* | *1.04* | |
| 26 05 33 13-2504 | | LF | 1/2" Flexible Liquid Tight Non-Metallic Conduit | 4.44 | 1.38 |
| | | | *For Work In Restricted Working Space, Add* | *1.04* | |
| 26 05 33 13-2505 | | LF | 3/4" Flexible Liquid Tight Non-Metallic Conduit | 5.96 | 1.84 |
| | | | *For Work In Restricted Working Space, Add* | *1.38* | |
| 26 05 33 13-2506 | | LF | 1" Flexible Liquid Tight Non-Metallic Conduit | 7.34 | 1.84 |
| | | | *For Work In Restricted Working Space, Add* | *1.38* | |
| 26 05 33 13-2507 | | LF | 1-1/4" Flexible Liquid Tight Non-Metallic Conduit | 9.30 | 2.31 |
| | | | *For Work In Restricted Working Space, Add* | *1.73* | |
| 26 05 33 13-2508 | | LF | 1-1/2" Flexible Liquid Tight Non-Metallic Conduit | 11.86 | 2.77 |
| | | | *For Work In Restricted Working Space, Add* | *2.07* | |
| 26 05 33 13-2509 | | LF | 2" Flexible Liquid Tight Non-Metallic Conduit | 15.24 | 3.69 |
| | | | *For Work In Restricted Working Space, Add* | *2.76* | |
| **26 05 33 13-2510** | | | **Liquid Tight Non-Metallic Straight Connector** *(26 05 33 13-2501)* | | |
| 26 05 33 13-2511 | | EA | 3/8" Liquid Tight Non-Metallic Straight Connector | 12.53 | 3.69 |
| | | | *For Work In Restricted Working Space, Add* | *2.76* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.76* | |
| 26 05 33 13-2512 | | EA | 1/2" Liquid Tight Non-Metallic Straight Connector | 12.53 | 3.69 |
| | | | *For Work In Restricted Working Space, Add* | *2.76* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2.76* | |
| 26 05 33 13-2513 | | EA | 3/4" Liquid Tight Non-Metallic Straight Connector | 15.29 | 4.15 |
| | | | *For Work In Restricted Working Space, Add* | *3.11* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.11* | |
| 26 05 33 13-2514 | | EA | 1" Liquid Tight Non-Metallic Straight Connector | 18.91 | 4.61 |
| | | | *For Work In Restricted Working Space, Add* | *3.46* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.46* | |
| 26 05 33 13-2515 | | EA | 1-1/4" Liquid Tight Non-Metallic Straight Connector | 25.93 | 5.07 |
| | | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.80* | |
| 26 05 33 13-2516 | | EA | 1-1/2" Liquid Tight Non-Metallic Straight Connector | 32.29 | 5.53 |
| | | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.15* | |
| 26 05 33 13-2517 | | EA | 2" Liquid Tight Non-Metallic Straight Connector | 50.00 | 6.45 |
| | | | *For Work In Restricted Working Space, Add* | *4.84* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.84* | |
| **26 05 33 13-2518** | | | **Liquid Tight Non-Metallic 90 Degree Angle Connector** *(26 05 33 13-2501)* | | |
| 26 05 33 13-2519 | | EA | 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector | 18.08 | 5.07 |
| | | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.80* | |
| 26 05 33 13-2520 | | EA | 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector | 18.08 | 5.07 |
| | | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.80* | |
| 26 05 33 13-2521 | | EA | 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector | 22.14 | 5.53 |
| | | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.15* | |
| 26 05 33 13-2522 | | EA | 1" Liquid Tight Non-Metallic 90 Degree Angle Connector | 31.15 | 6.45 |
| | | | *For Work In Restricted Working Space, Add* | *4.84* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.84* | |
| 26 05 33 13-2523 | | EA | 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector | 32.21 | 6.91 |
| | | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |
| 26 05 33 13-2524 | | EA | 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector | 50.46 | 7.37 |
| | | | *For Work In Restricted Working Space, Add* | *5.53* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.53* | |
| 26 05 33 13-2525 | | EA | 2" Liquid Tight Non-Metallic 90 Degree Angle Connector | 67.61 | 8.29 |
| | | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.22* | |
| **26 05 33 13-2526** | | | **Liquid Tight Non-Metallic 45 Degree Angle Connector** *(26 05 33 13-2501)* | | |
| 26 05 33 13-2527 | | EA | 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector | 18.08 | 5.07 |
| | | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.80* | |
| 26 05 33 13-2528 | | EA | 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector | 18.08 | 5.07 |
| | | | *For Work In Restricted Working Space, Add* | *3.80* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.80* | |
| 26 05 33 13-2529 | | EA | 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector | 22.14 | 5.53 |
| | | | *For Work In Restricted Working Space, Add* | *4.15* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.15* | |
| 26 05 33 13-2530 | | EA | 1" Liquid Tight Non-Metallic 45 Degree Angle Connector | 31.15 | 6.45 |
| | | | *For Work In Restricted Working Space, Add* | *4.84* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.84* | |
| 26 05 33 13-2531 | | EA | 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector | 32.21 | 6.91 |
| | | | *For Work In Restricted Working Space, Add* | *5.18* | |
| | | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2532 | EA | 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector | 50.46 | 7.37 |
| | | *For Work In Restricted Working Space, Add* | *5.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.53* | |
| 26 05 33 13-2533 | EA | 2" Liquid Tight Non-Metallic 45 Degree Angle Connector | 67.61 | 8.29 |
| | | *For Work In Restricted Working Space, Add* | *6.22* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.22* | |
| **26 05 33 13-2534** | | **Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-2353)* | | |
| | | Note: Carlon - FLEX-PLUS. | | |
| **26 05 33 13-2535** | | **Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-2534)* | | |
| 26 05 33 13-2536 | LF | 1/2" Blue ENT Electrical Non-Metallic Tubing | 5.45 | 1.51 |
| | | *For Work In Restricted Working Space, Add* | *1.13* | |
| 26 05 33 13-2537 | LF | 3/4" Blue ENT Electrical Non-Metallic Tubing | 7.36 | 2.01 |
| | | *For Work In Restricted Working Space, Add* | *1.51* | |
| 26 05 33 13-2538 | LF | 1" Blue ENT Electrical Non-Metallic Tubing | 8.79 | 2.01 |
| | | *For Work In Restricted Working Space, Add* | *1.51* | |
| **26 05 33 13-2539** | | **Terminal Adapter** *(26 05 33 13-2534)* | | |
| 26 05 33 13-2540 | EA | 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing | 12.82 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.02* | |
| 26 05 33 13-2541 | EA | 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing | 16.34 | 4.54 |
| | | *For Work In Restricted Working Space, Add* | *3.40* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.40* | |
| 26 05 33 13-2542 | EA | 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing | 19.04 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.78* | |
| **26 05 33 13-2543** | | **Coupling** *(26 05 33 13-2534)* | | |
| 26 05 33 13-2544 | EA | 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing | 12.46 | 4.04 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| 26 05 33 13-2545 | EA | 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing | 14.44 | 4.54 |
| | | *For Work In Restricted Working Space, Add* | *3.40* | |
| 26 05 33 13-2546 | EA | 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing | 17.25 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| **26 05 33 13-2547** | | **Metallic Conduit Bodies** *(26 05 33 13-0058)* | | |
| **26 05 33 13-2548** | | **Threaded, Cast Aluminum Conduit Body** *(26 05 33 13-2547)* | | |
| | | Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC) | | |
| **26 05 33 13-2549** | | **Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2548)* | | |
| 26 05 33 13-2550 | EA | 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 64.16 | 22.11 |
| | | *For Mogul LB, Add* | *3.89* | |
| | | *For Work In Restricted Working Space, Add* | *16.59* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.82* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.35* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.65* | |
| | | *For Elevated Installation >40', Add* | *30.41* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.59* | |
| 26 05 33 13-2551 | EA | 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 75.39 | 25.34 |
| | | *For Mogul LB, Add* | *5.87* | |
| | | *For Work In Restricted Working Space, Add* | *19.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.67* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.00* | |
| 26 05 33 13-2552 | EA | 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 90.86 | 29.48 |
| | | *For Mogul LB, Add* | *9.18* | |
| | | *For Work In Restricted Working Space, Add* | *22.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.37* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.43* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.80* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.48* | |
| | | *For Elevated Installation >35' To 40', Add* | *36.86* | |
| | | *For Elevated Installation >40', Add* | *40.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2553 | EA | 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 109.70 | 33.63 |
| | | *For Mogul LB, Add* | *15.00* | |
| | | *For Work In Restricted Working Space, Add* | *25.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *21.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *29.43* | |
| | | *For Elevated Installation >30' To 35', Add* | *33.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *42.05* | |
| | | *For Elevated Installation >40', Add* | *46.25* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *25.23* | |
| 26 05 33 13-2554 | EA | 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 125.18 | 36.86 |
| | | *For Mogul LB, Add* | *20.17* | |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.64* | |
| 26 05 33 13-2555 | EA | 2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 163.93 | 44.23 |
| | | *For Mogul LB, Add* | *34.49* | |
| | | *For Work In Restricted Working Space, Add* | *33.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *22.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *44.23* | |
| | | *For Elevated Installation >35' To 40', Add* | *55.29* | |
| | | *For Elevated Installation >40', Add* | *60.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *33.17* | |
| 26 05 33 13-2556 | EA | 2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 273.59 | 62.20 |
| | | *For Mogul LB, Add* | *80.80* | |
| | | *For Work In Restricted Working Space, Add* | *46.65* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.55* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.10* | |
| | | *For Elevated Installation >20' To 25', Add* | *38.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *54.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *62.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *77.75* | |
| | | *For Elevated Installation >40', Add* | *85.52* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *46.65* | |
| 26 05 33 13-2557 | EA | 3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 359.82 | 82.93 |
| | | *For Mogul LB, Add* | *104.00* | |
| | | *For Work In Restricted Working Space, Add* | *62.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.67* | |
| | | *For Elevated Installation >40', Add* | *114.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *62.20* | |
| 26 05 33 13-2558 | EA | 3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 477.24 | 103.66 |
| | | *For Mogul LB, Add* | *150.61* | |
| | | *For Work In Restricted Working Space, Add* | *77.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *25.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *51.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *64.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *90.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *103.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *129.58* | |
| | | *For Elevated Installation >40', Add* | *142.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *77.75* | |
| 26 05 33 13-2559 | EA | 4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 618.63 | 126.24 |
| | | *For Mogul LB, Add* | *211.50* | |
| | | *For Work In Restricted Working Space, Add* | *94.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *31.56* | |
| | | *For Elevated Installation >15' To 20', Add* | *63.12* | |
| | | *For Elevated Installation >20' To 25', Add* | *78.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *110.46* | |
| | | *For Elevated Installation >30' To 35', Add* | *126.24* | |
| | | *For Elevated Installation >35' To 40', Add* | *157.80* | |
| | | *For Elevated Installation >40', Add* | *173.57* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *94.68* | |

26 05 33 13-2560 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2561 | EA | 1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 65.24 | 22.11 |
| | | *For Mogul LB, Add* | *4.70* | |
| | | *For Work In Restricted Working Space, Add* | *16.59* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.82* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.35* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.65* | |
| | | *For Elevated Installation >40', Add* | *30.41* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.59* | |
| 26 05 33 13-2562 | EA | 3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 76.44 | 25.34 |
| | | *For Mogul LB, Add* | *6.66* | |
| | | *For Work In Restricted Working Space, Add* | *19.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.67* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.00* | |
| 26 05 33 13-2563 | EA | 1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 92.98 | 29.48 |
| | | *For Mogul LB, Add* | *10.77* | |
| | | *For Work In Restricted Working Space, Add* | *22.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.37* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.43* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.80* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.48* | |
| | | *For Elevated Installation >35' To 40', Add* | *36.86* | |
| | | *For Elevated Installation >40', Add* | *40.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.11* | |
| 26 05 33 13-2564 | EA | 1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 112.28 | 33.63 |
| | | *For Mogul LB, Add* | *16.94* | |
| | | *For Work In Restricted Working Space, Add* | *25.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *21.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *29.43* | |
| | | *For Elevated Installation >30' To 35', Add* | *33.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *42.05* | |
| | | *For Elevated Installation >40', Add* | *46.25* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *25.23* | |
| 26 05 33 13-2565 | EA | 1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 129.57 | 36.86 |
| | | *For Mogul LB, Add* | *23.47* | |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.64* | |
| 26 05 33 13-2566 | EA | 2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 173.37 | 44.23 |
| | | *For Mogul LB, Add* | *41.57* | |
| | | *For Work In Restricted Working Space, Add* | *33.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *22.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *44.23* | |
| | | *For Elevated Installation >35' To 40', Add* | *55.29* | |
| | | *For Elevated Installation >40', Add* | *60.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *33.17* | |
| 26 05 33 13-2567 | EA | 2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 268.83 | 62.20 |
| | | *For Mogul LB, Add* | *77.23* | |
| | | *For Work In Restricted Working Space, Add* | *46.65* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.55* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.10* | |
| | | *For Elevated Installation >20' To 25', Add* | *38.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *54.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *62.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *77.75* | |
| | | *For Elevated Installation >40', Add* | *85.52* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *46.65* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2568 | EA | 3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 343.81 | 82.93 |
| | | *For Mogul LB, Add* | *91.99* | |
| | | *For Work In Restricted Working Space, Add* | *62.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.67* | |
| | | *For Elevated Installation >40', Add* | *114.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *62.20* | |
| 26 05 33 13-2569 | EA | 3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 490.87 | 103.66 |
| | | *For Mogul LB, Add* | *160.83* | |
| | | *For Work In Restricted Working Space, Add* | *77.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *25.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *51.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *64.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *90.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *103.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *129.58* | |
| | | *For Elevated Installation >40', Add* | *142.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *77.75* | |
| 26 05 33 13-2570 | EA | 4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 646.52 | 126.24 |
| | | *For Mogul LB, Add* | *232.42* | |
| | | *For Work In Restricted Working Space, Add* | *94.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *31.56* | |
| | | *For Elevated Installation >15' To 20', Add* | *63.12* | |
| | | *For Elevated Installation >20' To 25', Add* | *78.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *110.46* | |
| | | *For Elevated Installation >30' To 35', Add* | *126.24* | |
| | | *For Elevated Installation >35' To 40', Add* | *157.80* | |
| | | *For Elevated Installation >40', Add* | *173.57* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *94.68* | |
| 26 05 33 13-2571 | | Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)* | | |
| 26 05 33 13-2572 | EA | 1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover | 75.10 | 25.34 |
| | | *For Work In Restricted Working Space, Add* | *19.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.67* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.00* | |
| 26 05 33 13-2573 | EA | 3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover | 88.85 | 29.48 |
| | | *For Work In Restricted Working Space, Add* | *22.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.37* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.43* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.80* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.48* | |
| | | *For Elevated Installation >35' To 40', Add* | *36.86* | |
| | | *For Elevated Installation >40', Add* | *40.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.11* | |
| 26 05 33 13-2574 | EA | 1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover | 102.06 | 32.25 |
| | | *For Work In Restricted Working Space, Add* | *24.19* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.16* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *40.32* | |
| | | *For Elevated Installation >40', Add* | *44.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.19* | |
| 26 05 33 13-2575 | EA | 1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover | 124.62 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.64* | |
| 26 05 33 13-2576 | EA | 1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover | 143.58 | 40.54 |
| | | *For Work In Restricted Working Space, Add* | *30.41* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.14* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.27* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *35.48* | |
| | | *For Elevated Installation >30' To 35', Add* | *40.54* | |
| | | *For Elevated Installation >35' To 40', Add* | *50.68* | |
| | | *For Elevated Installation >40', Add* | *55.75* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.41* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2577 | EA | 2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover | 190.85 | 47.46 |
| | | *For Work In Restricted Working Space, Add* | *35.59* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.86* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.73* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.52* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.46* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.32* | |
| | | *For Elevated Installation >40', Add* | *65.25* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *35.59* | |
| 26 05 33 13-2578 | EA | 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover | 300.36 | 69.11 |
| | | *For Work In Restricted Working Space, Add* | *51.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *17.28* | |
| | | *For Elevated Installation >15' To 20', Add* | *34.55* | |
| | | *For Elevated Installation >20' To 25', Add* | *43.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *60.47* | |
| | | *For Elevated Installation >30' To 35', Add* | *69.11* | |
| | | *For Elevated Installation >35' To 40', Add* | *86.39* | |
| | | *For Elevated Installation >40', Add* | *95.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *51.83* | |
| 26 05 33 13-2579 | EA | 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover | 388.15 | 89.84 |
| | | *For Work In Restricted Working Space, Add* | *67.38* | |
| | | *For Elevated Installation >10' To 15', Add* | *22.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *44.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *56.15* | |
| | | *For Elevated Installation >25' To 30', Add* | *78.61* | |
| | | *For Elevated Installation >30' To 35', Add* | *89.84* | |
| | | *For Elevated Installation >35' To 40', Add* | *112.30* | |
| | | *For Elevated Installation >40', Add* | *123.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *67.38* | |
| 26 05 33 13-2580 | EA | 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover | 616.12 | 110.57 |
| | | *For Work In Restricted Working Space, Add* | *82.93* | |
| | | *For Elevated Installation >10' To 15', Add* | *27.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *55.29* | |
| | | *For Elevated Installation >20' To 25', Add* | *69.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *96.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *110.57* | |
| | | *For Elevated Installation >35' To 40', Add* | *138.22* | |
| | | *For Elevated Installation >40', Add* | *152.04* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *82.93* | |
| 26 05 33 13-2581 | EA | 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover | 706.89 | 133.15 |
| | | *For Work In Restricted Working Space, Add* | *99.86* | |
| | | *For Elevated Installation >10' To 15', Add* | *33.29* | |
| | | *For Elevated Installation >15' To 20', Add* | *66.57* | |
| | | *For Elevated Installation >20' To 25', Add* | *83.22* | |
| | | *For Elevated Installation >25' To 30', Add* | *116.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *133.15* | |
| | | *For Elevated Installation >35' To 40', Add* | *166.44* | |
| | | *For Elevated Installation >40', Add* | *183.08* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *99.86* | |

## 26 05 33 13-2582 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2583 | EA | 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 65.46 | 22.11 |
| | | *For Work In Restricted Working Space, Add* | *16.59* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.82* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.35* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.65* | |
| | | *For Elevated Installation >40', Add* | *30.41* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.59* | |
| 26 05 33 13-2584 | EA | 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 75.69 | 25.34 |
| | | *For Work In Restricted Working Space, Add* | *19.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.67* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.00* | |
| 26 05 33 13-2585 | EA | 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 90.98 | 29.02 |
| | | *For Work In Restricted Working Space, Add* | *21.77* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.26* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.51* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.14* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.40* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.03* | |
| | | *For Elevated Installation >35' To 40', Add* | *36.29* | |
| | | *For Elevated Installation >40', Add* | *39.91* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.77* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2586 | EA | 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 111.25 | 33.63 |
| | | *For Work In Restricted Working Space, Add* | *25.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *21.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *29.43* | |
| | | *For Elevated Installation >30' To 35', Add* | *33.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *42.05* | |
| | | *For Elevated Installation >40', Add* | *46.25* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *25.23* | |
| 26 05 33 13-2587 | EA | 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 124.46 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.64* | |
| 26 05 33 13-2588 | EA | 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 164.01 | 44.23 |
| | | *For Work In Restricted Working Space, Add* | *33.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *22.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *44.23* | |
| | | *For Elevated Installation >35' To 40', Add* | *55.29* | |
| | | *For Elevated Installation >40', Add* | *60.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *33.17* | |
| 26 05 33 13-2589 | EA | 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 264.82 | 62.20 |
| | | *For Work In Restricted Working Space, Add* | *46.65* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.55* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.10* | |
| | | *For Elevated Installation >20' To 25', Add* | *38.87* | |
| | | *For Elevated Installation >25' To 30', Add* | *54.42* | |
| | | *For Elevated Installation >30' To 35', Add* | *62.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *77.75* | |
| | | *For Elevated Installation >40', Add* | *85.52* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *46.65* | |
| 26 05 33 13-2590 | EA | 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 341.25 | 82.93 |
| | | *For Work In Restricted Working Space, Add* | *62.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.67* | |
| | | *For Elevated Installation >40', Add* | *114.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *62.20* | |
| 26 05 33 13-2591 | EA | 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 482.67 | 103.66 |
| | | *For Work In Restricted Working Space, Add* | *77.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *25.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *51.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *64.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *90.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *103.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *129.58* | |
| | | *For Elevated Installation >40', Add* | *142.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *77.75* | |
| 26 05 33 13-2592 | EA | 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover | 621.19 | 126.24 |
| | | *For Work In Restricted Working Space, Add* | *94.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *31.56* | |
| | | *For Elevated Installation >15' To 20', Add* | *63.12* | |
| | | *For Elevated Installation >20' To 25', Add* | *78.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *110.46* | |
| | | *For Elevated Installation >30' To 35', Add* | *126.24* | |
| | | *For Elevated Installation >35' To 40', Add* | *157.80* | |
| | | *For Elevated Installation >40', Add* | *173.57* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *94.68* | |

## 26 05 33 13-2593 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2594 | EA | 1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover | 87.01 | 29.02 |
| | | *For Work In Restricted Working Space, Add* | *21.77* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.26* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.51* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.14* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.40* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.03* | |
| | | *For Elevated Installation >35' To 40', Add* | *36.29* | |
| | | *For Elevated Installation >40', Add* | *39.91* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2595 | EA | 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover | 100.16 | 32.25 |
| | | *For Work In Restricted Working Space, Add* | *24.19* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.16* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *40.32* | |
| | | *For Elevated Installation >40', Add* | *44.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.19* | |
| 26 05 33 13-2596 | EA | 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover | 121.73 | 35.48 |
| | | *For Work In Restricted Working Space, Add* | *26.61* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *17.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *22.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *31.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *35.48* | |
| | | *For Elevated Installation >35' To 40', Add* | *44.35* | |
| | | *For Elevated Installation >40', Add* | *48.78* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *26.61* | |
| 26 05 33 13-2597 | EA | 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover | 140.26 | 40.54 |
| | | *For Work In Restricted Working Space, Add* | *30.41* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.14* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.27* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *35.48* | |
| | | *For Elevated Installation >30' To 35', Add* | *40.54* | |
| | | *For Elevated Installation >35' To 40', Add* | *50.68* | |
| | | *For Elevated Installation >40', Add* | *55.75* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.41* | |
| 26 05 33 13-2598 | EA | 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover | 178.70 | 44.23 |
| | | *For Work In Restricted Working Space, Add* | *33.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *22.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *44.23* | |
| | | *For Elevated Installation >35' To 40', Add* | *55.29* | |
| | | *For Elevated Installation >40', Add* | *60.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *33.17* | |
| 26 05 33 13-2599 | EA | 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover | 216.25 | 54.36 |
| | | *For Work In Restricted Working Space, Add* | *40.77* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *33.98* | |
| | | *For Elevated Installation >25' To 30', Add* | *47.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *54.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *67.96* | |
| | | *For Elevated Installation >40', Add* | *74.75* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *40.77* | |
| 26 05 33 13-2600 | EA | 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover | 398.60 | 79.70 |
| | | *For Work In Restricted Working Space, Add* | *59.78* | |
| | | *For Elevated Installation >10' To 15', Add* | *19.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *39.85* | |
| | | *For Elevated Installation >20' To 25', Add* | *49.82* | |
| | | *For Elevated Installation >25' To 30', Add* | *69.74* | |
| | | *For Elevated Installation >30' To 35', Add* | *79.70* | |
| | | *For Elevated Installation >35' To 40', Add* | *99.63* | |
| | | *For Elevated Installation >40', Add* | *109.59* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *59.78* | |
| 26 05 33 13-2601 | EA | 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover | 492.67 | 103.66 |
| | | *For Work In Restricted Working Space, Add* | *77.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *25.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *51.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *64.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *90.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *103.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *129.58* | |
| | | *For Elevated Installation >40', Add* | *142.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *77.75* | |
| 26 05 33 13-2602 | EA | 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover | 699.14 | 128.08 |
| | | *For Work In Restricted Working Space, Add* | *96.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *32.25* | |
| | | *For Elevated Installation >15' To 20', Add* | *64.50* | |
| | | *For Elevated Installation >20' To 25', Add* | *80.63* | |
| | | *For Elevated Installation >25' To 30', Add* | *112.88* | |
| | | *For Elevated Installation >30' To 35', Add* | *129.00* | |
| | | *For Elevated Installation >35' To 40', Add* | *161.26* | |
| | | *For Elevated Installation >40', Add* | *177.38* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *96.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2603 | EA | 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover | 844.16 | 153.88 |
| | | *For Work In Restricted Working Space, Add* | *115.41* | |
| | | *For Elevated Installation >10' To 15', Add* | *38.47* | |
| | | *For Elevated Installation >15' To 20', Add* | *76.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *96.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *134.65* | |
| | | *For Elevated Installation >30' To 35', Add* | *153.88* | |
| | | *For Elevated Installation >35' To 40', Add* | *192.35* | |
| | | *For Elevated Installation >40', Add* | *211.59* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *115.41* | |
| 26 05 33 13-2604 | | **Threaded, Malleable Iron Conduit Body** *(26 05 33 13-2547)* Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC) | | |
| 26 05 33 13-2605 | | **Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover** *(26 05 33 13-2604)* | | |
| 26 05 33 13-2606 | EA | 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 67.18 | 22.11 |
| | | *For Work In Restricted Working Space, Add* | *16.59* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.82* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.35* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.65* | |
| | | *For Elevated Installation >40', Add* | *30.41* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.59* | |
| 26 05 33 13-2607 | EA | 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 77.92 | 25.34 |
| | | *For Work In Restricted Working Space, Add* | *19.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.67* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.00* | |
| 26 05 33 13-2608 | EA | 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 95.43 | 29.48 |
| | | *For Work In Restricted Working Space, Add* | *22.11* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.37* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.43* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.80* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.48* | |
| | | *For Elevated Installation >35' To 40', Add* | *36.86* | |
| | | *For Elevated Installation >40', Add* | *40.54* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.11* | |
| 26 05 33 13-2609 | EA | 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 123.06 | 33.63 |
| | | *For Work In Restricted Working Space, Add* | *25.22* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *21.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *29.43* | |
| | | *For Elevated Installation >30' To 35', Add* | *33.63* | |
| | | *For Elevated Installation >35' To 40', Add* | *42.04* | |
| | | *For Elevated Installation >40', Add* | *46.24* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *25.22* | |
| 26 05 33 13-2610 | EA | 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 139.95 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.64* | |
| 26 05 33 13-2611 | EA | 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 190.59 | 44.23 |
| | | *For Work In Restricted Working Space, Add* | *33.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *22.12* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.65* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *44.23* | |
| | | *For Elevated Installation >35' To 40', Add* | *55.29* | |
| | | *For Elevated Installation >40', Add* | *60.82* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *33.17* | |
| 26 05 33 13-2612 | EA | 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 319.27 | 62.20 |
| | | *For Work In Restricted Working Space, Add* | *46.65* | |
| | | *For Elevated Installation >10' To 15', Add* | *15.55* | |
| | | *For Elevated Installation >15' To 20', Add* | *31.10* | |
| | | *For Elevated Installation >20' To 25', Add* | *38.88* | |
| | | *For Elevated Installation >25' To 30', Add* | *54.43* | |
| | | *For Elevated Installation >30' To 35', Add* | *62.20* | |
| | | *For Elevated Installation >35' To 40', Add* | *77.75* | |
| | | *For Elevated Installation >40', Add* | *85.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *46.65* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2613 | EA | 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 451.64 | 82.93 |
| | | *For Work In Restricted Working Space, Add* | *62.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.67* | |
| | | *For Elevated Installation >40', Add* | *114.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *62.20* | |
| 26 05 33 13-2614 | EA | 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 620.84 | 103.66 |
| | | *For Work In Restricted Working Space, Add* | *77.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *25.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *51.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *64.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *90.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *103.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *129.58* | |
| | | *For Elevated Installation >40', Add* | *142.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *77.75* | |
| 26 05 33 13-2615 | EA | 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 743.30 | 126.24 |
| | | *For Work In Restricted Working Space, Add* | *94.68* | |
| | | *For Elevated Installation >10' To 15', Add* | *31.56* | |
| | | *For Elevated Installation >15' To 20', Add* | *63.12* | |
| | | *For Elevated Installation >20' To 25', Add* | *78.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *110.46* | |
| | | *For Elevated Installation >30' To 35', Add* | *126.24* | |
| | | *For Elevated Installation >35' To 40', Add* | *157.80* | |
| | | *For Elevated Installation >40', Add* | *173.58* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *94.68* | |

## 26 05 33 13-2616 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2617 | EA | 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 69.93 | 22.11 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.59* | |
| 26 05 33 13-2618 | EA | 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 78.73 | 25.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.00* | |
| 26 05 33 13-2619 | EA | 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 99.64 | 29.48 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.11* | |
| 26 05 33 13-2620 | EA | 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 125.87 | 33.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *25.22* | |
| 26 05 33 13-2621 | EA | 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 143.39 | 36.86 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.64* | |
| 26 05 33 13-2622 | EA | 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 183.52 | 44.23 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *33.17* | |
| 26 05 33 13-2623 | EA | 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 280.00 | 62.20 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *46.65* | |
| 26 05 33 13-2624 | EA | 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 381.03 | 82.93 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *62.20* | |
| 26 05 33 13-2625 | EA | 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 662.42 | 103.66 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *77.75* | |
| 26 05 33 13-2626 | EA | 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 773.97 | 126.24 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *94.68* | |

## 26 05 33 13-2627 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2628 | EA | 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover | 82.97 | 25.34 |
| | | *For Work In Restricted Working Space, Add* | *19.00* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.33* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.67* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.00* | |
| 26 05 33 13-2629 | EA | 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover | 97.82 | 29.48 |
| | | *For Work In Restricted Working Space, Add* | *22.46* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.49* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.97* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.72* | |
| | | *For Elevated Installation >25' To 30', Add* | *26.20* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.94* | |
| | | *For Elevated Installation >35' To 40', Add* | *37.43* | |
| | | *For Elevated Installation >40', Add* | *41.17* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.46* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2630 | EA | 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover | 115.35 | 32.25 |
| | | *For Work In Restricted Working Space, Add* | *24.19* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.16* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *40.32* | |
| | | *For Elevated Installation >40', Add* | *44.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.19* | |
| 26 05 33 13-2631 | EA | 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover | 144.79 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.30* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.10* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.20* | |
| | | *For Elevated Installation >20' To 25', Add* | *22.75* | |
| | | *For Elevated Installation >25' To 30', Add* | *31.85* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.40* | |
| | | *For Elevated Installation >35' To 40', Add* | *45.50* | |
| | | *For Elevated Installation >40', Add* | *50.04* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.30* | |
| 26 05 33 13-2632 | EA | 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover | 166.01 | 40.54 |
| | | *For Work In Restricted Working Space, Add* | *30.41* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.14* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.27* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *35.48* | |
| | | *For Elevated Installation >30' To 35', Add* | *40.54* | |
| | | *For Elevated Installation >35' To 40', Add* | *50.68* | |
| | | *For Elevated Installation >40', Add* | *55.75* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.41* | |
| 26 05 33 13-2633 | EA | 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover | 219.92 | 47.46 |
| | | *For Work In Restricted Working Space, Add* | *35.59* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.86* | |
| | | *For Elevated Installation >15' To 20', Add* | *23.73* | |
| | | *For Elevated Installation >20' To 25', Add* | *29.66* | |
| | | *For Elevated Installation >25' To 30', Add* | *41.52* | |
| | | *For Elevated Installation >30' To 35', Add* | *47.46* | |
| | | *For Elevated Installation >35' To 40', Add* | *59.32* | |
| | | *For Elevated Installation >40', Add* | *65.25* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *35.59* | |
| 26 05 33 13-2634 | EA | 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover | 279.03 | 69.11 |
| | | *For Work In Restricted Working Space, Add* | *51.83* | |
| | | *For Elevated Installation >10' To 15', Add* | *17.28* | |
| | | *For Elevated Installation >15' To 20', Add* | *34.55* | |
| | | *For Elevated Installation >20' To 25', Add* | *43.19* | |
| | | *For Elevated Installation >25' To 30', Add* | *60.47* | |
| | | *For Elevated Installation >30' To 35', Add* | *69.11* | |
| | | *For Elevated Installation >35' To 40', Add* | *86.39* | |
| | | *For Elevated Installation >40', Add* | *95.02* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *51.83* | |
| 26 05 33 13-2635 | EA | 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover | 401.18 | 89.84 |
| | | *For Work In Restricted Working Space, Add* | *67.38* | |
| | | *For Elevated Installation >10' To 15', Add* | *22.46* | |
| | | *For Elevated Installation >15' To 20', Add* | *44.92* | |
| | | *For Elevated Installation >20' To 25', Add* | *56.15* | |
| | | *For Elevated Installation >25' To 30', Add* | *78.61* | |
| | | *For Elevated Installation >30' To 35', Add* | *89.84* | |
| | | *For Elevated Installation >35' To 40', Add* | *112.30* | |
| | | *For Elevated Installation >40', Add* | *123.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *67.38* | |
| 26 05 33 13-2636 | EA | 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover | 698.91 | 110.57 |
| | | *For Work In Restricted Working Space, Add* | *82.93* | |
| | | *For Elevated Installation >10' To 15', Add* | *27.64* | |
| | | *For Elevated Installation >15' To 20', Add* | *55.29* | |
| | | *For Elevated Installation >20' To 25', Add* | *69.11* | |
| | | *For Elevated Installation >25' To 30', Add* | *96.75* | |
| | | *For Elevated Installation >30' To 35', Add* | *110.57* | |
| | | *For Elevated Installation >35' To 40', Add* | *138.22* | |
| | | *For Elevated Installation >40', Add* | *152.04* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *82.93* | |
| 26 05 33 13-2637 | EA | 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover | 808.99 | 133.15 |
| | | *For Work In Restricted Working Space, Add* | *100.21* | |
| | | *For Elevated Installation >10' To 15', Add* | *33.40* | |
| | | *For Elevated Installation >15' To 20', Add* | *66.80* | |
| | | *For Elevated Installation >20' To 25', Add* | *83.51* | |
| | | *For Elevated Installation >25' To 30', Add* | *116.91* | |
| | | *For Elevated Installation >30' To 35', Add* | *133.61* | |
| | | *For Elevated Installation >35' To 40', Add* | *167.01* | |
| | | *For Elevated Installation >40', Add* | *183.71* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *100.21* | |

26 05 33 13-2638 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2639 | EA | 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 67.39 | 22.11 |
| | | *For Work In Restricted Working Space, Add* | *16.59* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.53* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.06* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.82* | |
| | | *For Elevated Installation >25' To 30', Add* | *19.35* | |
| | | *For Elevated Installation >30' To 35', Add* | *22.12* | |
| | | *For Elevated Installation >35' To 40', Add* | *27.65* | |
| | | *For Elevated Installation >40', Add* | *30.41* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.59* | |
| 26 05 33 13-2640 | EA | 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 81.49 | 25.34 |
| | | *For Work In Restricted Working Space, Add* | *19.01* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.34* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.67* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.84* | |
| | | *For Elevated Installation >25' To 30', Add* | *22.17* | |
| | | *For Elevated Installation >30' To 35', Add* | *25.34* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.68* | |
| | | *For Elevated Installation >40', Add* | *34.84* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.01* | |
| 26 05 33 13-2641 | EA | 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 95.28 | 29.02 |
| | | *For Work In Restricted Working Space, Add* | *21.77* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.26* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.51* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.14* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.40* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.03* | |
| | | *For Elevated Installation >35' To 40', Add* | *36.29* | |
| | | *For Elevated Installation >40', Add* | *39.91* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.77* | |
| 26 05 33 13-2642 | EA | 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 128.25 | 33.63 |
| | | *For Work In Restricted Working Space, Add* | *25.23* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.41* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.82* | |
| | | *For Elevated Installation >20' To 25', Add* | *21.02* | |
| | | *For Elevated Installation >25' To 30', Add* | *29.43* | |
| | | *For Elevated Installation >30' To 35', Add* | *33.64* | |
| | | *For Elevated Installation >35' To 40', Add* | *42.05* | |
| | | *For Elevated Installation >40', Add* | *46.25* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *25.23* | |
| 26 05 33 13-2643 | EA | 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 149.67 | 36.86 |
| | | *For Work In Restricted Working Space, Add* | *27.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *9.21* | |
| | | *For Elevated Installation >15' To 20', Add* | *18.43* | |
| | | *For Elevated Installation >20' To 25', Add* | *23.04* | |
| | | *For Elevated Installation >25' To 30', Add* | *32.25* | |
| | | *For Elevated Installation >30' To 35', Add* | *36.86* | |
| | | *For Elevated Installation >35' To 40', Add* | *46.07* | |
| | | *For Elevated Installation >40', Add* | *50.68* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.64* | |
| 26 05 33 13-2644 | EA | 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 193.36 | 44.23 |
| | | *For Work In Restricted Working Space, Add* | *33.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *22.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *44.23* | |
| | | *For Elevated Installation >35' To 40', Add* | *55.29* | |
| | | *For Elevated Installation >40', Add* | *60.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *33.17* | |
| 26 05 33 13-2645 | EA | 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 433.85 | 116.67 |
| | | *For Work In Restricted Working Space, Add* | *87.47* | |
| | | *For Elevated Installation >10' To 15', Add* | *29.16* | |
| | | *For Elevated Installation >15' To 20', Add* | *58.31* | |
| | | *For Elevated Installation >20' To 25', Add* | *72.89* | |
| | | *For Elevated Installation >25' To 30', Add* | *102.05* | |
| | | *For Elevated Installation >30' To 35', Add* | *116.62* | |
| | | *For Elevated Installation >35' To 40', Add* | *145.78* | |
| | | *For Elevated Installation >40', Add* | *160.36* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *87.47* | |
| 26 05 33 13-2646 | EA | 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 410.68 | 82.93 |
| | | *For Work In Restricted Working Space, Add* | *62.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *20.73* | |
| | | *For Elevated Installation >15' To 20', Add* | *41.47* | |
| | | *For Elevated Installation >20' To 25', Add* | *51.83* | |
| | | *For Elevated Installation >25' To 30', Add* | *72.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *82.93* | |
| | | *For Elevated Installation >35' To 40', Add* | *103.67* | |
| | | *For Elevated Installation >40', Add* | *114.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *62.20* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2647 | EA | 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 662.42 | 103.66 |
| | | *For Work In Restricted Working Space, Add* | *77.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *25.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *51.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *64.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *90.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *103.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *129.58* | |
| | | *For Elevated Installation >40', Add* | *142.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *77.75* | |
| 26 05 33 13-2648 | EA | 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover | 773.95 | 126.24 |
| | | *For Work In Restricted Working Space, Add* | *94.67* | |
| | | *For Elevated Installation >10' To 15', Add* | *31.56* | |
| | | *For Elevated Installation >15' To 20', Add* | *63.12* | |
| | | *For Elevated Installation >20' To 25', Add* | *78.90* | |
| | | *For Elevated Installation >25' To 30', Add* | *110.45* | |
| | | *For Elevated Installation >30' To 35', Add* | *126.23* | |
| | | *For Elevated Installation >35' To 40', Add* | *157.79* | |
| | | *For Elevated Installation >40', Add* | *173.57* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *94.67* | |

## 26 05 33 13-2649 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2650 | EA | 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover | 94.33 | 29.02 |
| | | *For Work In Restricted Working Space, Add* | *21.77* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.26* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.51* | |
| | | *For Elevated Installation >20' To 25', Add* | *18.14* | |
| | | *For Elevated Installation >25' To 30', Add* | *25.40* | |
| | | *For Elevated Installation >30' To 35', Add* | *29.03* | |
| | | *For Elevated Installation >35' To 40', Add* | *36.29* | |
| | | *For Elevated Installation >40', Add* | *39.91* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.77* | |
| 26 05 33 13-2651 | EA | 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover | 103.20 | 32.25 |
| | | *For Work In Restricted Working Space, Add* | *24.19* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *16.13* | |
| | | *For Elevated Installation >20' To 25', Add* | *20.16* | |
| | | *For Elevated Installation >25' To 30', Add* | *28.22* | |
| | | *For Elevated Installation >30' To 35', Add* | *32.25* | |
| | | *For Elevated Installation >35' To 40', Add* | *40.32* | |
| | | *For Elevated Installation >40', Add* | *44.35* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.19* | |
| 26 05 33 13-2652 | EA | 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover | 119.67 | 35.48 |
| | | *For Work In Restricted Working Space, Add* | *26.61* | |
| | | *For Elevated Installation >10' To 15', Add* | *8.87* | |
| | | *For Elevated Installation >15' To 20', Add* | *17.74* | |
| | | *For Elevated Installation >20' To 25', Add* | *22.17* | |
| | | *For Elevated Installation >25' To 30', Add* | *31.04* | |
| | | *For Elevated Installation >30' To 35', Add* | *35.48* | |
| | | *For Elevated Installation >35' To 40', Add* | *44.35* | |
| | | *For Elevated Installation >40', Add* | *48.78* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *26.61* | |
| 26 05 33 13-2653 | EA | 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover | 142.26 | 40.54 |
| | | *For Work In Restricted Working Space, Add* | *30.41* | |
| | | *For Elevated Installation >10' To 15', Add* | *10.14* | |
| | | *For Elevated Installation >15' To 20', Add* | *20.27* | |
| | | *For Elevated Installation >20' To 25', Add* | *25.34* | |
| | | *For Elevated Installation >25' To 30', Add* | *35.48* | |
| | | *For Elevated Installation >30' To 35', Add* | *40.54* | |
| | | *For Elevated Installation >35' To 40', Add* | *50.68* | |
| | | *For Elevated Installation >40', Add* | *55.75* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.41* | |
| 26 05 33 13-2654 | EA | 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover | 163.94 | 44.23 |
| | | *For Work In Restricted Working Space, Add* | *33.17* | |
| | | *For Elevated Installation >10' To 15', Add* | *11.06* | |
| | | *For Elevated Installation >15' To 20', Add* | *22.11* | |
| | | *For Elevated Installation >20' To 25', Add* | *27.64* | |
| | | *For Elevated Installation >25' To 30', Add* | *38.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *44.23* | |
| | | *For Elevated Installation >35' To 40', Add* | *55.29* | |
| | | *For Elevated Installation >40', Add* | *60.81* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *33.17* | |
| 26 05 33 13-2655 | EA | 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover | 228.83 | 54.36 |
| | | *For Work In Restricted Working Space, Add* | *40.77* | |
| | | *For Elevated Installation >10' To 15', Add* | *13.59* | |
| | | *For Elevated Installation >15' To 20', Add* | *27.18* | |
| | | *For Elevated Installation >20' To 25', Add* | *33.98* | |
| | | *For Elevated Installation >25' To 30', Add* | *47.57* | |
| | | *For Elevated Installation >30' To 35', Add* | *54.36* | |
| | | *For Elevated Installation >35' To 40', Add* | *67.96* | |
| | | *For Elevated Installation >40', Add* | *74.75* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *40.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2656 | EA | 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover | 365.15 | 79.70 |
| | | *For Work In Restricted Working Space, Add* | *59.78* | |
| | | *For Elevated Installation >10' To 15', Add* | *19.93* | |
| | | *For Elevated Installation >15' To 20', Add* | *39.85* | |
| | | *For Elevated Installation >20' To 25', Add* | *49.82* | |
| | | *For Elevated Installation >25' To 30', Add* | *69.74* | |
| | | *For Elevated Installation >30' To 35', Add* | *79.70* | |
| | | *For Elevated Installation >35' To 40', Add* | *99.63* | |
| | | *For Elevated Installation >40', Add* | *109.59* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *59.78* | |
| 26 05 33 13-2657 | EA | 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover | 534.83 | 103.66 |
| | | *For Work In Restricted Working Space, Add* | *77.75* | |
| | | *For Elevated Installation >10' To 15', Add* | *25.92* | |
| | | *For Elevated Installation >15' To 20', Add* | *51.83* | |
| | | *For Elevated Installation >20' To 25', Add* | *64.79* | |
| | | *For Elevated Installation >25' To 30', Add* | *90.70* | |
| | | *For Elevated Installation >30' To 35', Add* | *103.66* | |
| | | *For Elevated Installation >35' To 40', Add* | *129.58* | |
| | | *For Elevated Installation >40', Add* | *142.53* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *77.75* | |
| 26 05 33 13-2658 | EA | 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover | 796.91 | 128.08 |
| | | *For Work In Restricted Working Space, Add* | *96.06* | |
| | | *For Elevated Installation >10' To 15', Add* | *32.02* | |
| | | *For Elevated Installation >15' To 20', Add* | *64.04* | |
| | | *For Elevated Installation >20' To 25', Add* | *80.05* | |
| | | *For Elevated Installation >25' To 30', Add* | *112.07* | |
| | | *For Elevated Installation >30' To 35', Add* | *128.08* | |
| | | *For Elevated Installation >35' To 40', Add* | *160.10* | |
| | | *For Elevated Installation >40', Add* | *176.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *96.06* | |
| 26 05 33 13-2659 | EA | 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover | 890.85 | 153.88 |
| | | *For Work In Restricted Working Space, Add* | *115.41* | |
| | | *For Elevated Installation >10' To 15', Add* | *38.47* | |
| | | *For Elevated Installation >15' To 20', Add* | *76.94* | |
| | | *For Elevated Installation >20' To 25', Add* | *96.18* | |
| | | *For Elevated Installation >25' To 30', Add* | *134.65* | |
| | | *For Elevated Installation >30' To 35', Add* | *153.88* | |
| | | *For Elevated Installation >35' To 40', Add* | *192.35* | |
| | | *For Elevated Installation >40', Add* | *211.59* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *115.41* | |

## 26 05 33 13-2660 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-2547)*

Note: For use with Electrical Metallic Tubing (EMT)

## 26 05 33 13-2661 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2662 | EA | 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 32.20 | 8.75 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2663 | EA | 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 41.20 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2664 | EA | 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 55.74 | 14.28 |
| | | *For Work In Restricted Working Space, Add* | *10.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.57* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.14* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.93* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.28* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.86* | |
| | | *For Elevated Installation >40', Add* | *19.64* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.71* | |
| 26 05 33 13-2665 | EA | 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 72.26 | 17.50 |
| | | *For Work In Restricted Working Space, Add* | *13.13* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.51* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.89* | |
| | | *For Elevated Installation >40', Add* | *24.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2666 | EA | 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 94.99 | 20.27 |
| | | *For Work In Restricted Working Space, Add* | *15.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.14* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.67* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.74* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.27* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.34* | |
| | | *For Elevated Installation >40', Add* | *27.87* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.20* | |
| 26 05 33 13-2667 | EA | 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 125.79 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |

## 26 05 33 13-2668 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2669 | EA | 1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 32.49 | 8.75 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2670 | EA | 3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 42.29 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2671 | EA | 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 51.95 | 14.28 |
| | | *For Work In Restricted Working Space, Add* | *10.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.57* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.14* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.93* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.28* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.86* | |
| | | *For Elevated Installation >40', Add* | *19.64* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.71* | |
| 26 05 33 13-2672 | EA | 1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 71.94 | 17.50 |
| | | *For Work In Restricted Working Space, Add* | *13.13* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.51* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.89* | |
| | | *For Elevated Installation >40', Add* | *24.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.13* | |
| 26 05 33 13-2673 | EA | 1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 88.69 | 20.27 |
| | | *For Work In Restricted Working Space, Add* | *15.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.14* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.67* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.74* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.27* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.34* | |
| | | *For Elevated Installation >40', Add* | *27.87* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.20* | |
| 26 05 33 13-2674 | EA | 2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 125.25 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 33 13-2675** | | **Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2660)* | | |
| 26 05 33 13-2676 | EA | 1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover | 41.79 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |
| 26 05 33 13-2677 | EA | 3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover | 54.44 | 14.28 |
| | | *For Work In Restricted Working Space, Add* | *10.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.57* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.14* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.93* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.28* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.86* | |
| | | *For Elevated Installation >40', Add* | *19.64* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.71* | |
| 26 05 33 13-2678 | EA | 1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover | 65.66 | 17.50 |
| | | *For Work In Restricted Working Space, Add* | *13.13* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.51* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.89* | |
| | | *For Elevated Installation >40', Add* | *24.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.13* | |
| 26 05 33 13-2679 | EA | 1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover | 90.77 | 20.27 |
| | | *For Work In Restricted Working Space, Add* | *15.89* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.30* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.60* | |
| | | *For Elevated Installation >20' To 25', Add* | *13.25* | |
| | | *For Elevated Installation >25' To 30', Add* | *18.54* | |
| | | *For Elevated Installation >30' To 35', Add* | *21.19* | |
| | | *For Elevated Installation >35' To 40', Add* | *26.49* | |
| | | *For Elevated Installation >40', Add* | *29.14* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.89* | |
| 26 05 33 13-2680 | EA | 1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover | 116.37 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *18.66* | |
| | | *For Elevated Installation >10' To 15', Add* | *6.22* | |
| | | *For Elevated Installation >15' To 20', Add* | *12.44* | |
| | | *For Elevated Installation >20' To 25', Add* | *15.55* | |
| | | *For Elevated Installation >25' To 30', Add* | *21.77* | |
| | | *For Elevated Installation >30' To 35', Add* | *24.88* | |
| | | *For Elevated Installation >35' To 40', Add* | *31.10* | |
| | | *For Elevated Installation >40', Add* | *34.21* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.66* | |
| 26 05 33 13-2681 | EA | 2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover | 156.54 | 25.80 |
| | | *For Work In Restricted Working Space, Add* | *21.42* | |
| | | *For Elevated Installation >10' To 15', Add* | *7.14* | |
| | | *For Elevated Installation >15' To 20', Add* | *14.28* | |
| | | *For Elevated Installation >20' To 25', Add* | *17.85* | |
| | | *For Elevated Installation >25' To 30', Add* | *24.99* | |
| | | *For Elevated Installation >30' To 35', Add* | *28.56* | |
| | | *For Elevated Installation >35' To 40', Add* | *35.71* | |
| | | *For Elevated Installation >40', Add* | *39.28* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.42* | |
| **26 05 33 13-2682** | | **Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2660)* | | |
| 26 05 33 13-2683 | EA | 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 33.41 | 8.75 |
| | | *For Work In Restricted Working Space, Add* | *6.56* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.19* | |
| | | *For Elevated Installation >15' To 20', Add* | *4.38* | |
| | | *For Elevated Installation >20' To 25', Add* | *5.47* | |
| | | *For Elevated Installation >25' To 30', Add* | *7.66* | |
| | | *For Elevated Installation >30' To 35', Add* | *8.75* | |
| | | *For Elevated Installation >35' To 40', Add* | *10.94* | |
| | | *For Elevated Installation >40', Add* | *12.03* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.56* | |
| 26 05 33 13-2684 | EA | 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 44.70 | 11.52 |
| | | *For Work In Restricted Working Space, Add* | *8.64* | |
| | | *For Elevated Installation >10' To 15', Add* | *2.88* | |
| | | *For Elevated Installation >15' To 20', Add* | *5.76* | |
| | | *For Elevated Installation >20' To 25', Add* | *7.20* | |
| | | *For Elevated Installation >25' To 30', Add* | *10.08* | |
| | | *For Elevated Installation >30' To 35', Add* | *11.52* | |
| | | *For Elevated Installation >35' To 40', Add* | *14.40* | |
| | | *For Elevated Installation >40', Add* | *15.83* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2685 | EA | 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 57.11 | 14.28 |
| | | *For Work In Restricted Working Space, Add* | *10.71* | |
| | | *For Elevated Installation >10' To 15', Add* | *3.57* | |
| | | *For Elevated Installation >15' To 20', Add* | *7.14* | |
| | | *For Elevated Installation >20' To 25', Add* | *8.93* | |
| | | *For Elevated Installation >25' To 30', Add* | *12.50* | |
| | | *For Elevated Installation >30' To 35', Add* | *14.28* | |
| | | *For Elevated Installation >35' To 40', Add* | *17.86* | |
| | | *For Elevated Installation >40', Add* | *19.64* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.71* | |
| 26 05 33 13-2686 | EA | 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 73.90 | 17.50 |
| | | *For Work In Restricted Working Space, Add* | *13.13* | |
| | | *For Elevated Installation >10' To 15', Add* | *4.38* | |
| | | *For Elevated Installation >15' To 20', Add* | *8.75* | |
| | | *For Elevated Installation >20' To 25', Add* | *10.94* | |
| | | *For Elevated Installation >25' To 30', Add* | *15.32* | |
| | | *For Elevated Installation >30' To 35', Add* | *17.51* | |
| | | *For Elevated Installation >35' To 40', Add* | *21.89* | |
| | | *For Elevated Installation >40', Add* | *24.07* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.13* | |
| 26 05 33 13-2687 | EA | 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 89.82 | 20.27 |
| | | *For Work In Restricted Working Space, Add* | *15.20* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.07* | |
| | | *For Elevated Installation >15' To 20', Add* | *10.14* | |
| | | *For Elevated Installation >20' To 25', Add* | *12.67* | |
| | | *For Elevated Installation >25' To 30', Add* | *17.74* | |
| | | *For Elevated Installation >30' To 35', Add* | *20.27* | |
| | | *For Elevated Installation >35' To 40', Add* | *25.34* | |
| | | *For Elevated Installation >40', Add* | *27.87* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.20* | |
| 26 05 33 13-2688 | EA | 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover | 135.76 | 23.04 |
| | | *For Work In Restricted Working Space, Add* | *17.28* | |
| | | *For Elevated Installation >10' To 15', Add* | *5.76* | |
| | | *For Elevated Installation >15' To 20', Add* | *11.52* | |
| | | *For Elevated Installation >20' To 25', Add* | *14.40* | |
| | | *For Elevated Installation >25' To 30', Add* | *20.16* | |
| | | *For Elevated Installation >30' To 35', Add* | *23.04* | |
| | | *For Elevated Installation >35' To 40', Add* | *28.80* | |
| | | *For Elevated Installation >40', Add* | *31.67* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.28* | |

## 26 05 33 13-2689 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-2547)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2690 | EA | 3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120) | 167.31 | 25.22 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.93* | |
| 26 05 33 13-2691 | EA | 1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) | 629.00 | 46.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *35.00* | |
| 26 05 33 13-2692 | EA | 3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400) | 1,209.56 | 94.68 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *71.01* | |

## 26 05 33 13-2693 Replacement Covers And Gaskets For Conduit Body *(26 05 33 13-2547)*

## 26 05 33 13-2694 Replacement Stamped Aluminum Conduit Body Cover *(26 05 33 13-2693)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2695 | EA | 1/2" Replacement Stamped Aluminum Conduit Body Cover | 11.89 | 4.49 |
| 26 05 33 13-2696 | EA | 3/4" Replacement Stamped Aluminum Conduit Body Cover | 14.55 | 5.24 |
| 26 05 33 13-2697 | EA | 1" Replacement Stamped Aluminum Conduit Body Cover | 18.62 | 6.74 |
| 26 05 33 13-2698 | EA | 1-1/4" Replacement Stamped Aluminum Conduit Body Cover | 22.68 | 8.24 |
| 26 05 33 13-2699 | EA | 1-1/2" Replacement Stamped Aluminum Conduit Body Cover | 27.88 | 9.73 |
| 26 05 33 13-2700 | EA | 2" Replacement Stamped Aluminum Conduit Body Cover | 33.05 | 11.23 |
| 26 05 33 13-2701 | EA | 2-1/2" Replacement Stamped Aluminum Conduit Body Cover | 43.77 | 12.73 |
| 26 05 33 13-2702 | EA | 3" Replacement Stamped Aluminum Conduit Body Cover | 56.57 | 17.96 |
| 26 05 33 13-2703 | EA | 3-1/2" Replacement Stamped Aluminum Conduit Body Cover | 61.41 | 20.21 |
| 26 05 33 13-2704 | EA | 4" Replacement Stamped Aluminum Conduit Body Cover | 77.37 | 25.45 |

## 26 05 33 13-2705 Replacement Cast Steel Conduit Body Cover *(26 05 33 13-2693)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2706 | EA | 1/2" Replacement Cast Steel Conduit Body Cover | 13.86 | 4.49 |
| 26 05 33 13-2707 | EA | 3/4" Replacement Cast Steel Conduit Body Cover | 16.27 | 5.24 |
| 26 05 33 13-2708 | EA | 1" Replacement Cast Steel Conduit Body Cover | 22.88 | 6.74 |
| 26 05 33 13-2709 | EA | 1-1/4" Replacement Cast Steel Conduit Body Cover | 28.44 | 8.24 |
| 26 05 33 13-2710 | EA | 1-1/2" Replacement Cast Steel Conduit Body Cover | 34.59 | 9.73 |
| 26 05 33 13-2711 | EA | 2" Replacement Cast Steel Conduit Body Cover | 40.73 | 11.23 |
| 26 05 33 13-2712 | EA | 2-1/2" Replacement Cast Steel Conduit Body Cover | 46.81 | 12.73 |
| 26 05 33 13-2713 | EA | 3" Replacement Cast Steel Conduit Body Cover | 63.77 | 17.96 |
| 26 05 33 13-2714 | EA | 3-1/2" Replacement Cast Steel Conduit Body Cover | 72.74 | 20.21 |
| 26 05 33 13-2715 | EA | 4" Replacement Cast Steel Conduit Body Cover | 91.71 | 25.45 |

## 26 05 33 13-2716 Replacement Velbuna Composition Conduit Body Gasket *(26 05 33 13-2693)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2717 | EA | 1/2" Replacement Velbuna Composition Conduit Body Gasket | 11.00 | 4.49 |
| 26 05 33 13-2718 | EA | 3/4" Replacement Velbuna Composition Conduit Body Gasket | 12.57 | 5.24 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 13-2719 | EA | 1" Replacement Velbuna Composition Conduit Body Gasket | 16.41 | 6.74 |
| 26 05 33 13-2720 | EA | 1-1/4" Replacement Velbuna Composition Conduit Body Gasket | 21.34 | 8.24 |
| 26 05 33 13-2721 | EA | 1-1/2" Replacement Velbuna Composition Conduit Body Gasket | 24.34 | 9.73 |
| 26 05 33 13-2722 | EA | 2" Replacement Velbuna Composition Conduit Body Gasket | 28.96 | 11.23 |
| 26 05 33 13-2723 | EA | 2-1/2" Replacement Velbuna Composition Conduit Body Gasket | 38.18 | 12.73 |
| 26 05 33 13-2724 | EA | 3" Replacement Velbuna Composition Conduit Body Gasket | 49.59 | 17.96 |
| 26 05 33 13-2725 | EA | 3-1/2" Replacement Velbuna Composition Conduit Body Gasket | 54.80 | 20.21 |
| 26 05 33 13-2726 | EA | 4" Replacement Velbuna Composition Conduit Body Gasket | 65.17 | 25.45 |

### 26 05 33 13-2727 Replacement Neoprene Conduit Body Gasket *(26 05 33 13-2693)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2728 | EA | 1/2" Replacement Neoprene Conduit Body Gasket | 12.37 | 4.49 |
| 26 05 33 13-2729 | EA | 3/4" Replacement Neoprene Conduit Body Gasket | 13.88 | 5.24 |
| 26 05 33 13-2730 | EA | 1" Replacement Neoprene Conduit Body Gasket | 18.14 | 6.74 |
| 26 05 33 13-2731 | EA | 1-1/4" Replacement Neoprene Conduit Body Gasket | 22.22 | 8.24 |
| 26 05 33 13-2732 | EA | 1-1/2" Replacement Neoprene Conduit Body Gasket | 25.22 | 9.73 |
| 26 05 33 13-2733 | EA | 2" Replacement Neoprene Conduit Body Gasket | 29.05 | 11.23 |
| 26 05 33 13-2734 | EA | 2-1/2" Replacement Neoprene Conduit Body Gasket | 38.39 | 12.73 |
| 26 05 33 13-2735 | EA | 3" Replacement Neoprene Conduit Body Gasket | 49.80 | 17.96 |
| 26 05 33 13-2736 | EA | 3-1/2" Replacement Neoprene Conduit Body Gasket | 56.26 | 20.21 |
| 26 05 33 13-2737 | EA | 4" Replacement Neoprene Conduit Body Gasket | 66.63 | 25.45 |

### 26 05 33 13-2738 Cutting Knockouts In-Place Metal Boxes Or Enclosures *(26 05 33 13-0058)*

Note: For use when connecting conduit to an existing in-place system.

| | | | | |
|---|---|---|---|---|
| 26 05 33 13-2739 | EA | 1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures | 19.07 | |
| | | *For Work In Restricted Working Space, Add* | *5.72* | |
| 26 05 33 13-2740 | EA | 3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures | 21.47 | |
| | | *For Work In Restricted Working Space, Add* | *6.44* | |
| 26 05 33 13-2741 | EA | 1", Cutting Knockouts In-Place Metal Boxes Or Enclosures | 25.25 | |
| | | *For Work In Restricted Working Space, Add* | *7.58* | |
| 26 05 33 13-2742 | EA | 1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures | 28.03 | |
| | | *For Work In Restricted Working Space, Add* | *8.41* | |
| 26 05 33 13-2743 | EA | 1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures | 31.57 | |
| | | *For Work In Restricted Working Space, Add* | *9.47* | |
| 26 05 33 13-2744 | EA | 2", Cutting Knockouts In-Place Metal Boxes Or Enclosures | 37.38 | |
| | | *For Work In Restricted Working Space, Add* | *11.21* | |
| 26 05 33 13-2745 | EA | 2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures | 44.19 | |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 26 05 33 13-2746 | EA | 3", Cutting Knockouts In-Place Metal Boxes Or Enclosures | 50.51 | |
| | | *For Work In Restricted Working Space, Add* | *15.15* | |
| 26 05 33 13-2747 | EA | 3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures | 56.82 | |
| | | *For Work In Restricted Working Space, Add* | *17.05* | |
| 26 05 33 13-2748 | EA | 4", Cutting Knockouts In-Place Metal Boxes Or Enclosures | 63.13 | |
| | | *For Work In Restricted Working Space, Add* | *18.94* | |

### 26 05 33 13-2749 Buried Pipe Or Conduit Wrap *(26 05 33 13)*

### 26 05 33 13-2750 All-Weather Corrosion Protection Tape For Pipe Or Conduit *(26 05 33 13-2749)*

Note: Priced by the linear feet of pipe or conduit the tape is installed on.

| | | | |
|---|---|---|---|
| 26 05 33 13-2751 | LF | Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50) | 2.76 |
| 26 05 33 13-2752 | LF | Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50) | 3.18 |
| 26 05 33 13-2753 | LF | Pipe Or Conduit Wrap For 1" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50) | 3.68 |
| 26 05 33 13-2754 | LF | Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50) | 4.23 |
| 26 05 33 13-2755 | LF | Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50) | 4.82 |
| 26 05 33 13-2756 | LF | Pipe Or Conduit Wrap For 2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50) | 5.79 |
| 26 05 33 13-2757 | LF | Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50) | 6.43 |
| 26 05 33 13-2758 | LF | Pipe Or Conduit Wrap For 3" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50) | 7.08 |
| 26 05 33 13-2759 | LF | Pipe Or Conduit Wrap For 4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50) | 8.81 |
| 26 05 33 13-2760 | LF | Pipe Or Conduit Wrap For 5" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50) | 10.18 |
| 26 05 33 13-2761 | LF | Pipe Or Conduit Wrap For 6" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50) | 11.56 |
| 26 05 33 13-2762 | LF | Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51) | 2.78 |
| 26 05 33 13-2763 | LF | Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51) | 3.30 |
| 26 05 33 13-2764 | LF | Pipe Or Conduit Wrap For 1" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51) | 3.85 |
| 26 05 33 13-2765 | LF | Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51) | 4.44 |
| 26 05 33 13-2766 | LF | Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51) | 5.09 |
| 26 05 33 13-2767 | LF | Pipe Or Conduit Wrap For 2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51) | 6.17 |
| 26 05 33 13-2768 | LF | Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51) | 7.03 |
| 26 05 33 13-2769 | LF | Pipe Or Conduit Wrap For 3" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51) | 7.94 |
| 26 05 33 13-2770 | LF | Pipe Or Conduit Wrap For 4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51) | 9.98 |
| 26 05 33 13-2771 | LF | Pipe Or Conduit Wrap For 5" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51) | 11.65 |
| 26 05 33 13-2772 | LF | Pipe Or Conduit Wrap For 6" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51) | 13.31 |

## 26 05 33 16 Boxes for Electrical Systems *(26 05 33)*

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 33 16-0001** | | **Steel Junction, Device, And Fixture Boxes, Rings And Covers** *(26 05 33 16)* Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0126 for steel box/switch assemblies. | | |
| **26 05 33 16-0002** | | **4" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)* | | |
| 26 05 33 16-0003 | EA | 1-1/2" Depth, 4" Square Steel Box | 40.21 | 18.91 |
| | | *For Stud Bracket, Add* | *0.59* | |
| 26 05 33 16-0004 | EA | 2-1/8" Depth, 4" Square Steel Box | 41.29 | 18.91 |
| | | *For Stud Bracket, Add* | *1.05* | |
| 26 05 33 16-0005 | EA | 3-1/2" Depth, 4" Square Steel Box | 45.01 | 18.91 |
| | | *For Stud Bracket, Add* | *1.15* | |
| 26 05 33 16-0006 | EA | 1-1/2" Depth, 4" Square Steel Extension Ring | 30.51 | 12.61 |
| 26 05 33 16-0007 | EA | 2-1/8" Depth, 4" Square Steel Extension Ring | 26.75 | 12.61 |
| 26 05 33 16-0008 | EA | 1/2" Depth, 1 Gang, 4" Square Steel Mud Ring | 13.75 | 6.30 |
| 26 05 33 16-0009 | EA | 5/8" Depth, 1 Gang, 4" Square Steel Mud Ring | 13.92 | 6.30 |
| 26 05 33 16-0010 | EA | 3/4" Depth, 1 Gang, 4" Square Steel Mud Ring | 14.04 | 6.30 |
| 26 05 33 16-0011 | EA | 1" Depth, 1 Gang, 4" Square Steel Mud Ring | 14.45 | 6.30 |
| 26 05 33 16-0012 | EA | 1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring | 14.57 | 6.30 |
| 26 05 33 16-0013 | EA | 1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring | 15.85 | 6.30 |
| 26 05 33 16-0014 | EA | 1/2" Depth, 2 Gang, 4" Square Steel Mud Ring | 14.23 | 6.30 |
| 26 05 33 16-0015 | EA | 5/8" Depth, 2 Gang, 4" Square Steel Mud Ring | 14.36 | 6.30 |
| 26 05 33 16-0016 | EA | 3/4" Depth, 2 Gang, 4" Square Steel Mud Ring | 14.51 | 6.30 |
| 26 05 33 16-0017 | EA | 1" Depth, 2 Gang, 4" Square Steel Mud Ring | 15.83 | 6.30 |
| 26 05 33 16-0018 | EA | 1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring | 16.10 | 6.30 |
| 26 05 33 16-0019 | EA | 1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring | 17.77 | 6.30 |
| 26 05 33 16-0020 | EA | 3/4" Depth, Fixture Cover, 4" Square Mud Rings | 14.88 | 6.30 |
| 26 05 33 16-0021 | EA | 1" Depth, Fixture Cover, 4" Square Mud Rings | 15.94 | 6.30 |
| 26 05 33 16-0022 | EA | One Toggle Switch, 4" Square Steel Exposed Work Cover | 14.22 | 6.30 |
| 26 05 33 16-0023 | EA | Two Toggle Switches, 4" Square Steel Exposed Work Cover | 14.31 | 6.30 |
| 26 05 33 16-0024 | EA | One Duplex Receptacle, 4" Square Steel Exposed Work Cover | 14.19 | 6.30 |
| 26 05 33 16-0025 | EA | Two Duplex Receptacles, 4" Square Steel Exposed Work Cover | 14.47 | 6.30 |
| 26 05 33 16-0026 | EA | One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover | 14.71 | 6.30 |
| 26 05 33 16-0027 | EA | One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover | 17.66 | 6.30 |
| 26 05 33 16-0028 | EA | One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover | 14.67 | 6.30 |
| 26 05 33 16-0029 | EA | Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover | 17.66 | 6.30 |
| 26 05 33 16-0030 | EA | One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover | 14.67 | 6.30 |
| 26 05 33 16-0031 | EA | One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover | 15.36 | 6.30 |
| 26 05 33 16-0032 | EA | One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover | 17.66 | 6.30 |
| 26 05 33 16-0033 | EA | One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover | 17.66 | 6.30 |
| 26 05 33 16-0034 | EA | Flat, 4" Square Steel Exposed Work Cover | 13.37 | 6.30 |
| **26 05 33 16-0035** | | **4-11/16" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)* | | |
| 26 05 33 16-0036 | EA | 1-1/2" Depth, 4-11/16" Square Steel Box | 44.21 | 18.91 |
| 26 05 33 16-0037 | EA | 2-1/8" Depth, 4-11/16" Square Steel Box | 41.76 | 18.91 |
| | | *For Stud Bracket, Add* | *0.55* | |
| 26 05 33 16-0038 | EA | 3-1/4" Depth, 4-11/16" Square Steel Box | 54.07 | 18.91 |
| 26 05 33 16-0039 | EA | 1-1/2" Depth, 4-11/16" Square Extension Ring | 31.54 | 12.61 |
| 26 05 33 16-0040 | EA | 2-1/8" Depth, 4-11/16" Square Extension Ring | 32.14 | 12.61 |
| 26 05 33 16-0041 | EA | 1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring | 16.20 | 6.30 |
| 26 05 33 16-0042 | EA | 5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring | 16.23 | 6.30 |
| 26 05 33 16-0043 | EA | 3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring | 17.27 | 6.30 |
| 26 05 33 16-0044 | EA | 1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring | 16.85 | 6.30 |
| 26 05 33 16-0045 | EA | 1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring | 16.76 | 6.30 |
| 26 05 33 16-0046 | EA | 1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring | 21.11 | 6.30 |
| 26 05 33 16-0047 | EA | 1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring | 17.03 | 6.30 |
| 26 05 33 16-0048 | EA | 5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring | 17.25 | 6.30 |
| 26 05 33 16-0049 | EA | 3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring | 17.27 | 6.30 |
| 26 05 33 16-0050 | EA | 1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring | 18.81 | 6.30 |
| 26 05 33 16-0051 | EA | 1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring | 19.13 | 6.30 |
| 26 05 33 16-0052 | EA | 1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring | 22.85 | 6.30 |
| 26 05 33 16-0053 | EA | 1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring | 16.83 | 6.30 |
| 26 05 33 16-0054 | EA | 5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring | 16.94 | 6.30 |
| 26 05 33 16-0055 | EA | One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover | 19.82 | 6.30 |
| 26 05 33 16-0056 | EA | Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover | 20.63 | 6.30 |
| 26 05 33 16-0057 | EA | One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover | 19.58 | 6.30 |
| 26 05 33 16-0058 | EA | Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover | 18.70 | 6.30 |
| 26 05 33 16-0059 | EA | One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover | 21.65 | 6.30 |
| 26 05 33 16-0060 | EA | One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover | 20.62 | 6.30 |
| 26 05 33 16-0061 | EA | One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover | 20.62 | 6.30 |
| 26 05 33 16-0062 | EA | One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover | 20.62 | 6.30 |
| 26 05 33 16-0063 | EA | Flat, 4-11/16" Square Steel Exposed Work Cover | 14.03 | 6.30 |
| **26 05 33 16-0064** | | **Steel Square Box Brackets** *(26 05 33 16-0001)* | | |
| 26 05 33 16-0065 | EA | 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes | 20.04 | 9.47 |
| 26 05 33 16-0066 | EA | Single Box Bracket, One 4" Or 4-11/16" Square Box | 14.33 | 6.31 |
| 26 05 33 16-0067 | EA | 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes | 22.65 | 9.47 |
| 26 05 33 16-0068 | EA | 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes | 23.99 | 9.47 |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 33 16-0069** | | **4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)* | | |
| 26 05 33 16-0070 | EA | 1-1/2" Depth, 4" Steel Octagon Box | 33.47 | 15.75 |
| | | *For Stud Bracket, Add* | *1.42* | |
| 26 05 33 16-0071 | EA | 2-1/8" Depth, 4" Steel Octagon Box | 34.42 | 15.75 |
| 26 05 33 16-0072 | EA | Flat, 4" Octagon Steel Exposed Work Cover | 13.31 | 6.30 |
| **26 05 33 16-0073** | | **4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)* | | |
| | | Note: Placed in concrete slabs or walls. | | |
| 26 05 33 16-0074 | EA | 2" Depth, 4" Steel Octagonal Concrete Ring | 54.72 | |
| 26 05 33 16-0075 | EA | 2-1/2" Depth, 4" Steel Octagonal Concrete Ring | 57.94 | |
| 26 05 33 16-0076 | EA | 3" Depth, 4" Steel Octagonal Concrete Ring | 60.64 | |
| 26 05 33 16-0077 | EA | 3-1/2" Depth, 4" Steel Octagonal Concrete Ring | 63.29 | |
| 26 05 33 16-0078 | EA | 4" Depth, 4" Steel Octagonal Concrete Ring | 68.42 | |
| 26 05 33 16-0079 | EA | 5" Depth, 4" Steel Octagonal Concrete Ring | 73.71 | |
| 26 05 33 16-0080 | EA | 6" Depth, 4" Steel Octagonal Concrete Ring | 77.98 | |
| 26 05 33 16-0081 | EA | Flat, 4" Steel Octagonal Concrete Cover | 14.62 | 6.30 |
| **26 05 33 16-0082** | | **4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)* | | |
| 26 05 33 16-0083 | EA | 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box | 46.90 | 15.75 |
| 26 05 33 16-0084 | EA | 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box | 51.37 | 17.02 |
| 26 05 33 16-0085 | EA | 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box | 61.02 | 18.91 |
| 26 05 33 16-0086 | EA | 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box | 77.77 | 20.80 |
| 26 05 33 16-0087 | EA | 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box | 111.43 | 22.69 |
| 26 05 33 16-0088 | EA | 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box | 61.53 | 15.75 |
| 26 05 33 16-0089 | EA | 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box | 66.97 | 17.02 |
| 26 05 33 16-0090 | EA | 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box | 87.35 | 18.91 |
| 26 05 33 16-0091 | EA | 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box | 110.52 | 20.80 |
| 26 05 33 16-0092 | EA | 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box | 176.18 | 22.69 |
| 26 05 33 16-0093 | EA | 2 Device, Gang Box Mud Ring | 20.22 | 6.30 |
| 26 05 33 16-0094 | EA | 3 Device, Gang Box Mud Ring | 20.47 | 6.30 |
| 26 05 33 16-0095 | EA | 4 Device, Gang Box Mud Ring | 23.29 | 6.30 |
| 26 05 33 16-0096 | EA | 5 Device, Gang Box Mud Ring | 28.14 | 6.30 |
| 26 05 33 16-0097 | EA | 6 Device, Gang Box Mud Ring | 38.77 | 6.30 |
| 26 05 33 16-0098 | EA | 2 Device, Gang Box Flat Cover | 17.80 | 6.30 |
| 26 05 33 16-0099 | EA | 3 Device, Gang Box Flat Cover | 20.44 | 6.30 |
| 26 05 33 16-0100 | EA | 4 Device, Gang Box Flat Cover | 23.95 | 6.30 |
| 26 05 33 16-0101 | EA | 5 Device, Gang Box Flat Cover | 28.41 | 6.30 |
| 26 05 33 16-0102 | EA | 6 Device, Gang Box Flat Cover | 39.53 | 6.30 |
| **26 05 33 16-0103** | | **Steel Switch Boxes** *(26 05 33 16-0001)* | | |
| 26 05 33 16-0104 | EA | 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box | 35.30 | 15.75 |
| 26 05 33 16-0105 | EA | 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box | 35.71 | 15.75 |
| 26 05 33 16-0106 | EA | 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box | 37.82 | 15.75 |
| 26 05 33 16-0107 | EA | 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box | 42.57 | 15.75 |
| 26 05 33 16-0108 | EA | 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box | 42.98 | 15.75 |
| 26 05 33 16-0109 | EA | 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box | 49.41 | 15.75 |
| **26 05 33 16-0110** | | **4" x 2" Steel Handy Boxes, Extension Rings And Covers** *(26 05 33 16-0001)* | | |
| 26 05 33 16-0111 | EA | 1-1/2" Deep, 4" x 2" Steel Handy Box | 33.37 | 15.75 |
| | | *For Stud Bracket, Add* | *2.29* | |
| 26 05 33 16-0112 | EA | 1-7/8" Deep, 4" x 2" Steel Handy Box | 33.81 | 15.75 |
| | | *For Stud Bracket, Add* | *0.99* | |
| 26 05 33 16-0113 | EA | 2-1/8" Deep, 4" x 2" Steel Handy Box | 34.78 | 15.75 |
| | | *For Stud Bracket, Add* | *1.34* | |
| 26 05 33 16-0114 | EA | 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring | 21.57 | 9.46 |
| 26 05 33 16-0115 | EA | 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring | 21.13 | 9.46 |
| 26 05 33 16-0116 | EA | GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover | 7.26 | 3.15 |
| 26 05 33 16-0117 | EA | 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover | 7.34 | 3.15 |
| 26 05 33 16-0118 | EA | Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover | 6.93 | 3.15 |
| 26 05 33 16-0119 | EA | Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover | 6.96 | 3.15 |
| 26 05 33 16-0120 | EA | 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover | 7.79 | 3.15 |
| 26 05 33 16-0121 | EA | Flat, 2" x 4" Steel Handy Box Exposed Work Cover | 6.96 | 3.15 |
| **26 05 33 16-0122** | | **3-1/2" Depth, 3-3/4" Steel Masonry Boxes** *(26 05 33 16-0001)* | | |
| 26 05 33 16-0123 | EA | 1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box | 49.27 | 22.06 |
| 26 05 33 16-0124 | EA | 2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box | 54.41 | 23.32 |
| 26 05 33 16-0125 | EA | 3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box | 61.57 | 25.21 |
| 26 05 33 16-0126 | EA | 4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box | 69.62 | 27.74 |
| **26 05 33 16-0127** | | **Cast Boxes** *(26 05 33 16)* | | |
| | | Note: For flush or surface mount. | | |
| **26 05 33 16-0128** | | **Cast Iron Alloy Boxes** *(26 05 33 16-0127)* | | |
| | | See CSI section 26 27 26 00-0265 for box covers. | | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 16-0129 | | **Shallow, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)*<br>Note: Up to 2" deep boxes. | | |
| 26 05 33 16-0130 | EA | 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box<br>Note: One hub. | 111.73 | 37.82 |
| 26 05 33 16-0131 | EA | 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box<br>Note: One hub. | 119.62 | 44.12 |
| 26 05 33 16-0132 | EA | 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box<br>Note: One hub. | 140.50 | 53.57 |
| 26 05 33 16-0133 | EA | 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Two hub. | 138.94 | 50.43 |
| 26 05 33 16-0134 | EA | 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Two hub. | 178.62 | 59.88 |
| 26 05 33 16-0135 | EA | 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Two hub. | 138.32 | 50.43 |
| 26 05 33 16-0136 | EA | 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Two hubs. | 166.51 | 59.88 |
| 26 05 33 16-0137 | EA | 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Two hubs. | 142.22 | 50.43 |
| 26 05 33 16-0138 | EA | 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Two hubs. | 166.56 | 59.88 |
| 26 05 33 16-0139 | EA | 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Two hubs. | 138.32 | 50.43 |
| 26 05 33 16-0140 | EA | 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Two hubs. | 161.75 | 59.88 |
| 26 05 33 16-0141 | EA | 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Three hubs. | 164.18 | 63.03 |
| 26 05 33 16-0142 | EA | 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Three hubs. | 194.07 | 75.64 |
| 26 05 33 16-0143 | EA | 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Three hubs. | 171.65 | 63.03 |
| 26 05 33 16-0144 | EA | 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Three hubs. | 222.57 | 75.64 |
| 26 05 33 16-0145 | EA | 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Three hubs. | 176.53 | 63.03 |
| 26 05 33 16-0146 | EA | 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Three hubs. | 210.85 | 75.64 |
| 26 05 33 16-0147 | EA | 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Three hubs. | 163.54 | 63.03 |
| 26 05 33 16-0148 | EA | 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Three hubs. | 214.15 | 75.64 |
| 26 05 33 16-0149 | EA | 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Four hubs. | 209.50 | 75.64 |
| 26 05 33 16-0150 | EA | 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box<br>Note: Four hubs. | 252.72 | 91.39 |
| 26 05 33 16-0151 | | **Deep, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)*<br>Note: >2" deep boxes. | | |
| 26 05 33 16-0152 | EA | 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box<br>Note: One hub. | 117.23 | 37.82 |
| 26 05 33 16-0153 | EA | 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box<br>Note: One hub. | 134.89 | 44.12 |
| 26 05 33 16-0154 | EA | 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box<br>Note: One hub. | 158.12 | 53.57 |
| 26 05 33 16-0155 | EA | 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box<br>Note: Two hubs. | 149.00 | 50.43 |
| 26 05 33 16-0156 | EA | 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box<br>Note: Two hubs. | 171.68 | 59.88 |
| 26 05 33 16-0157 | EA | 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box<br>Note: Two hubs. | 206.25 | 72.48 |
| 26 05 33 16-0158 | EA | 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box<br>Note: Two hubs. | 185.40 | 59.88 |
| 26 05 33 16-0159 | EA | 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box<br>Note: Three hubs. | 238.82 | 75.64 |
| 26 05 33 16-0160 | | **Shallow, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)*<br>Note: Up to 2" deep boxes. | | |
| 26 05 33 16-0161 | EA | 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box<br>Note: One hub. | 135.34 | 40.97 |
| 26 05 33 16-0162 | EA | 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box<br>Note: One hub. | 149.57 | 47.27 |
| 26 05 33 16-0163 | EA | 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box<br>Note: One hub. | 173.38 | 56.73 |
| 26 05 33 16-0164 | EA | 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box<br>Note: Two hubs. | 163.20 | 53.57 |
| 26 05 33 16-0165 | EA | 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box<br>Note: Two hubs. | 184.93 | 63.03 |
| 26 05 33 16-0166 | | **Deep, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)*<br>Note: >2" deep boxes. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 16-0167 | EA | 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box<br>Note: One hub. | 151.86 | 40.97 |
| 26 05 33 16-0168 | EA | 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box<br>Note: One hub. | 165.11 | 47.27 |
| 26 05 33 16-0169 | EA | 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box<br>Note: Two hubs. | 188.07 | 53.57 |
| 26 05 33 16-0170 | EA | 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box<br>Note: Two hubs. | 211.20 | 63.03 |
| 26 05 33 16-0171 | | Cast Aluminum Boxes *(26 05 33 16-0127)*<br>See CSI section 26 27 26 00-0265 for box covers. | | |
| 26 05 33 16-0172 | | Shallow, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)*<br>Note: Up to 2" deep boxes. | | |
| 26 05 33 16-0173 | EA | 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box<br>Note: One hub. | 99.12 | 31.52 |
| 26 05 33 16-0174 | EA | 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box<br>Note: One hub. | 113.17 | 37.82 |
| 26 05 33 16-0175 | EA | 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box<br>Note: One hub. | 124.72 | 47.27 |
| 26 05 33 16-0176 | EA | 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box<br>Note: One hub. | 92.71 | 31.52 |
| 26 05 33 16-0177 | EA | 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box<br>Note: One hub. | 117.69 | 37.82 |
| 26 05 33 16-0178 | EA | 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 124.96 | 44.12 |
| 26 05 33 16-0179 | EA | 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 150.01 | 53.57 |
| 26 05 33 16-0180 | EA | 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 188.45 | 66.18 |
| 26 05 33 16-0181 | EA | 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 136.11 | 44.12 |
| 26 05 33 16-0182 | EA | 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 144.58 | 53.57 |
| 26 05 33 16-0183 | EA | 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 129.77 | 44.12 |
| 26 05 33 16-0184 | EA | 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 148.37 | 53.57 |
| 26 05 33 16-0185 | EA | 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 125.67 | 44.12 |
| 26 05 33 16-0186 | EA | 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 148.37 | 53.57 |
| 26 05 33 16-0187 | EA | 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 116.21 | 44.12 |
| 26 05 33 16-0188 | EA | 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 158.43 | 53.57 |
| 26 05 33 16-0189 | EA | 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box<br>Note: Three hubs. | 147.95 | 56.73 |
| 26 05 33 16-0190 | EA | 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box<br>Note: Three hubs. | 179.68 | 69.34 |
| 26 05 33 16-0191 | EA | 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box<br>Note: Three hubs. | 157.75 | 56.73 |
| 26 05 33 16-0192 | EA | 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box<br>Note: Three hubs. | 213.64 | 69.34 |
| 26 05 33 16-0193 | EA | 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box<br>Note: Three hubs. | 156.93 | 56.73 |
| 26 05 33 16-0194 | EA | 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box<br>Note: Three hubs. | 192.60 | 69.34 |
| 26 05 33 16-0195 | EA | 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box<br>Note: Three hubs. | 195.51 | 69.34 |
| 26 05 33 16-0196 | EA | 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box<br>Note: Four hubs. | 191.32 | 69.34 |
| 26 05 33 16-0197 | EA | 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box<br>Note: Four hubs. | 233.44 | 85.09 |
| 26 05 33 16-0198 | | Deep, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)*<br>Note: >2" deep boxes. | | |
| 26 05 33 16-0199 | EA | 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box<br>Note: One hub. | 110.49 | 31.52 |
| 26 05 33 16-0200 | EA | 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box<br>Note: One hub. | 132.35 | 37.82 |
| 26 05 33 16-0201 | EA | 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box<br>Note: One hub. | 151.10 | 47.27 |
| 26 05 33 16-0202 | EA | 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box<br>Note: One hub. | 142.74 | 37.82 |
| 26 05 33 16-0203 | EA | 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 139.66 | 44.12 |
| 26 05 33 16-0204 | EA | 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 168.06 | 53.57 |
| 26 05 33 16-0205 | EA | 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 186.75 | 66.18 |
| 26 05 33 16-0206 | EA | 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box<br>Note: Two hubs. | 170.47 | 53.57 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 16-0207 | EA | 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box<br>Note: Three hubs. | 207.75 | 69.34 |
| **26 05 33 16-0208** | | **Shallow, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)*<br>Note: Up to 2" deep boxes. | | |
| 26 05 33 16-0209 | EA | 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box<br>Note: One hub. | 132.72 | 34.66 |
| 26 05 33 16-0210 | EA | 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box<br>Note: One hub. | 151.73 | 40.97 |
| 26 05 33 16-0211 | EA | 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box<br>Note: One hub. | 161.68 | 50.43 |
| 26 05 33 16-0212 | EA | 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box<br>Note: Two hubs. | 165.11 | 47.27 |
| 26 05 33 16-0213 | EA | 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box<br>Note: Two hubs. | 166.73 | 56.73 |
| 26 05 33 16-0214 | EA | 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box<br>Note: Two hubs. | 206.09 | 69.34 |
| **26 05 33 16-0215** | | **Deep, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)*<br>Note: >2" deep boxes. | | |
| 26 05 33 16-0216 | EA | 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box<br>Note: One hub. | 132.59 | 34.66 |
| 26 05 33 16-0217 | EA | 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box<br>Note: One hub. | 153.28 | 40.97 |
| 26 05 33 16-0218 | EA | 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box<br>Note: Two hubs. | 168.66 | 47.27 |
| 26 05 33 16-0219 | EA | 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box<br>Note: Two hubs. | 190.50 | 56.73 |
| 26 05 33 16-0220 | EA | 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box<br>Note: Two hubs. | 168.66 | 47.27 |
| 26 05 33 16-0221 | EA | 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box<br>Note: Two hubs. | 190.50 | 56.73 |
| **26 05 33 16-0222** | | **Shallow, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)*<br>Note: Up to 2" deep boxes. | | |
| 26 05 33 16-0223 | EA | 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box<br>Note: Two hubs. | 176.86 | 50.43 |
| 26 05 33 16-0224 | EA | 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box<br>Note: Two hubs. | 197.79 | 59.88 |
| **26 05 33 16-0225** | | **Deep, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)*<br>Note: >2" deep boxes. | | |
| 26 05 33 16-0226 | EA | 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box<br>Note: One hub. | 204.26 | 44.12 |
| 26 05 33 16-0227 | EA | 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box<br>Note: One hub. | 226.82 | 53.57 |
| **26 05 33 16-0228** | | **Cast Aluminum Explosion Proof Outlet Bodies** *(26 05 33 16-0127)*<br>Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III. | | |
| 26 05 33 16-0229 | EA | 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body | 210.41 | 50.43 |
| 26 05 33 16-0230 | EA | 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body | 261.99 | 56.73 |
| 26 05 33 16-0231 | EA | 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body | 237.35 | 63.03 |
| 26 05 33 16-0232 | EA | 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body | 233.01 | 56.73 |
| 26 05 33 16-0233 | EA | 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA | 285.37 | 63.03 |
| **26 05 33 16-0234** | | **Non-Metallic (PVC) Boxes** *(26 05 33 16)*<br>See CSI section 26 27 26 00-0265 for box covers. | | |
| **26 05 33 16-0235** | | **Shallow, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)* | | |
| 26 05 33 16-0236 | EA | 1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box<br>Note: One hub. | 65.45 | 26.48 |
| 26 05 33 16-0237 | EA | 3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box<br>Note: One hub. | 74.66 | 30.89 |
| 26 05 33 16-0238 | EA | 1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box<br>Note: One hub. | 84.62 | 37.51 |
| 26 05 33 16-0239 | EA | 1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 83.49 | 35.30 |
| 26 05 33 16-0240 | EA | 3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 98.01 | 41.92 |
| 26 05 33 16-0241 | EA | 1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 118.89 | 50.74 |
| 26 05 33 16-0242 | EA | 1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 83.82 | 35.30 |
| 26 05 33 16-0243 | EA | 3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 97.13 | 41.92 |
| 26 05 33 16-0244 | EA | 1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 115.88 | 50.74 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 16-0245 | EA | 1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box<br>Note: Three hubs. | 105.94 | 44.12 |
| 26 05 33 16-0246 | EA | 3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box<br>Note: Three hubs. | 120.09 | 52.95 |
| 26 05 33 16-0247 | EA | 1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box<br>Note: Three hubs. | 141.11 | 63.98 |
| **26 05 33 16-0248** | | **Deep, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)* | | |
| 26 05 33 16-0249 | EA | No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box<br>Note: No hubs. | 66.42 | 26.48 |
| 26 05 33 16-0250 | EA | 1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box<br>Note: One hub. | 64.72 | 26.48 |
| 26 05 33 16-0251 | EA | 3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box<br>Note: One hub. | 76.98 | 30.89 |
| 26 05 33 16-0252 | EA | 1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box<br>Note: One hub. | 85.56 | 37.51 |
| 26 05 33 16-0253 | EA | 1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 85.40 | 35.30 |
| 26 05 33 16-0254 | EA | 3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 95.50 | 41.92 |
| 26 05 33 16-0255 | EA | 1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 114.01 | 50.74 |
| **26 05 33 16-0256** | | **Shallow, Two Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)* | | |
| 26 05 33 16-0257 | EA | 1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box<br>Note: One hub. | 70.37 | 28.68 |
| 26 05 33 16-0258 | EA | 3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box<br>Note: One hub. | 80.55 | 33.09 |
| 26 05 33 16-0259 | EA | 1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box<br>Note: One hub. | 89.20 | 39.71 |
| 26 05 33 16-0260 | EA | 1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 85.78 | 37.51 |
| 26 05 33 16-0261 | EA | 3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 106.58 | 44.12 |
| 26 05 33 16-0262 | EA | 1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 125.94 | 52.95 |
| 26 05 33 16-0263 | EA | 1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 88.04 | 37.51 |
| 26 05 33 16-0264 | EA | 3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 112.85 | 44.12 |
| 26 05 33 16-0265 | EA | 1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box<br>Note: Two hubs. | 120.91 | 52.95 |
| 26 05 33 16-0266 | EA | 1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box<br>Note: Three hubs. | 107.53 | 46.33 |
| 26 05 33 16-0267 | EA | 3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box<br>Note: Three hubs. | 142.79 | 55.16 |
| 26 05 33 16-0268 | EA | 1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box<br>Note: Three hubs. | 145.37 | 66.18 |
| **26 05 33 16-0269** | | **Poke Thru Units** *(26 05 33 16)* | | |
| **26 05 33 16-0270** | | **Surface Poke Thru Units** *(26 05 33 16-0269)*<br>Note: Excludes concrete drilling. | | |
| 26 05 33 16-0271 | EA | Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit<br>Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL. | 510.43 | 47.27 |
| 26 05 33 16-0272 | EA | Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements<br>Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL. | 326.32 | |
| 26 05 33 16-0273 | EA | 20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit<br>Note: Wiremold RC37REC. | 47.00 | 12.61 |
| 26 05 33 16-0274 | EA | Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit<br>Note: Wiremold RC3APTCBK. | 54.95 | 6.30 |
| 26 05 33 16-0275 | EA | Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit<br>Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL. | 576.67 | 50.43 |
| 26 05 33 16-0276 | EA | Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements<br>Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL. | 305.95 | |
| 26 05 33 16-0277 | EA | Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit<br>Note: Wiremold RC4REC2. | 80.00 | 18.91 |
| 26 05 33 16-0278 | EA | Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit<br>Note: Wiremold RC4APTCBK. | 54.95 | 6.30 |
| 26 05 33 16-0279 | EA | Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit<br>Note: Wiremold ABPLUG4. | 158.94 | 12.61 |
| 26 05 33 16-0280 | EA | Four Jack RC9AMD Communications Poke Thru Unit<br>Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL. | 457.20 | 44.12 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 16-0281 | EA | Abandonment Plate For RC9 Series Communications Poke Thru Unit<br>Note: Wiremold RC9APTCBK. | 38.59 | 6.30 |
| 26 05 33 16-0282 | EA | Eight Jack AMD8 Communications Poke Thru Unit<br>Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL. | 455.13 | 44.12 |
| 26 05 33 16-0283 | EA | Communication Conduit Adapter For Poke Thru Units<br>Note: Includes two conduit connections for communication systems. Wiremold COM75. | 53.16 | 6.30 |
| 26 05 33 16-0284 | | **Recessed Poke Thru Units** *(26 05 33 16-0269)*<br>Note: Excludes concrete drilling. | | |
| 26 05 33 16-0285 | | **Evolution 6AT Poke Thru Units** *(26 05 33 16-0284)*<br>Note: Excludes concrete drilling. | | |
| 26 05 33 16-0286 | EA | Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP)<br>Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. | 843.70 | 50.43 |
| 26 05 33 16-0287 | EA | Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP)<br>Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. | 843.80 | 50.43 |
| 26 05 33 16-0288 | EA | Recessed Assembly With Surface Style Cover (Wiremold 6ATC)<br>Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. | 804.52 | 50.43 |
| 26 05 33 16-0289 | EA | Recessed Assembly With Flush Style Cover (Wiremold 6AT)<br>Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. | 804.52 | 50.43 |
| 26 05 33 16-0290 | EA | Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)<br>Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. | 843.70 | 50.43 |
| 26 05 33 16-0291 | EA | Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)<br>Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. | 843.70 | 50.43 |
| 26 05 33 16-0292 | EA | Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF)<br>Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. | 771.35 | 50.43 |
| 26 05 33 16-0293 | EA | Recessed Assembly With Disposable Plate (Wiremold 6STC)<br>Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series. | 486.10 | 47.27 |
| 26 05 33 16-0294 | EA | Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV)<br>Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series. | 520.76 | 47.27 |
| 26 05 33 16-0295 | EA | Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP)<br>Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series. | 524.19 | 47.27 |
| 26 05 33 16-0296 | EA | 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS)<br>Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws. | 150.47 | 25.21 |
| 26 05 33 16-0297 | EA | Surface Style Cover Assembly (Wiremold 6CTC)<br>Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies. | 338.82 | 12.61 |
| 26 05 33 16-0298 | EA | Flush Style Cover Assembly (Wiremold 6CT)<br>Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim. | 338.82 | 12.61 |
| 26 05 33 16-0299 | EA | Furniture Feed Cover Assembly (Wiremold 6CFFTC)<br>Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services. | 281.99 | 12.61 |
| 26 05 33 16-0300 | EA | Tile Shim (Wiremold 6TS)<br>Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment. | 41.00 | 3.15 |
| 26 05 33 16-0301 | EA | Device Mounting Plate (Wiremold 6AAP)<br>Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others. | 20.85 | 6.30 |
| 26 05 33 16-0302 | EA | Device Mounting Plate (Wiremold 6ACT8A)<br>Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others. | 23.93 | 6.30 |
| 26 05 33 16-0303 | EA | Device Mounting Plate (Wiremold 6B)<br>Note: Device plate used to blank off center compartment, when no devices are used. | 20.76 | 6.30 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 16-0304 | EA | Device Mounting Plate (Wiremold 6DEC)<br>Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others. | 20.82 | 6.30 |
| 26 05 33 16-0305 | EA | Device Mounting Plate (Wiremold 6DP)<br>Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others. | 20.69 | 6.30 |
| 26 05 33 16-0306 | EA | Device Mounting Plate (Wiremold 6MAAP)<br>Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others. | 24.26 | 6.30 |
| 26 05 33 16-0307 | EA | Device Mounting Plate (Wiremold 6MAAP2A)<br>Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others. | 24.01 | 6.30 |
| 26 05 33 16-0308 | EA | Mosaic Mounting Plate (Wiremold 6MOS)<br>Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others. | 24.57 | 6.30 |
| 26 05 33 16-0309 | EA | Device Mounting Plate (Wiremold 6S1)<br>Note: Receptacle opening 1 3/8". For 6" poke-thru units only. | 20.39 | 6.30 |
| 26 05 33 16-0310 | EA | Device Mounting Plate (Wiremold 6S2)<br>Note: Receptacle opening 1 9/16". For 6" poke-thru units only. | 20.41 | 6.30 |
| 26 05 33 16-0311 | EA | Device Mounting Plate (Wiremold 6SER)<br>Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others. | 20.14 | 6.30 |
| 26 05 33 16-0312 | EA | Device Mounting Plate (Wiremold 6TRAC)<br>Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others. | 20.14 | 6.30 |
| 26 05 33 16-0313 | EA | 20 Amperes, Duplex Receptacles (Wiremold 68REC)<br>Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device. | 47.61 | 9.46 |
| 26 05 33 16-0314 | EA | Device Mounting Plate (Wiremold 68B)<br>Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used. | 18.52 | 6.30 |
| 26 05 33 16-0315 | EA | Device Mounting Plate (Wiremold 68MAAP)<br>Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others. | 18.96 | 6.30 |
| 26 05 33 16-0316 | EA | 20 Amperes, Duplex Receptacles (Wiremold 68REC-25)<br>Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated | 146.85 | 11.34 |
| 26 05 33 16-0317 | EA | Device Mounting Plate (Wiremold 682A)<br>Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others. | 23.73 | 6.30 |
| 26 05 33 16-0318 | EA | Bottom Housing Assembly (Wiremold 5PTHA)<br>Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only. | 24.68 | 6.30 |
| 26 05 33 16-0319 | EA | Bottom Housing Assembly (Wiremold 5BLH)<br>Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices. | 25.36 | 6.30 |
| 26 05 33 16-0320 | EA | Bottom Housing Assembly (Wiremold 152CHA)<br>Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments. | 39.41 | 12.61 |
| 26 05 33 16-0321 | EA | Bottom Housing Assembly (Wiremold 575CHA)<br>Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only. | 45.36 | 15.75 |
| 26 05 33 16-0322 | EA | Bottom Housing Assembly (Wiremold 175CHA)<br>Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. | 49.77 | 15.75 |
| 26 05 33 16-0323 | EA | Bottom Housing Assembly (Wiremold 1125CHA)<br>Note: One-gang 1 1/4" trade size conduit housing assembly. | 37.92 | 12.61 |
| 26 05 33 16-0324 | EA | Bottom Housing Assembly (Wiremold 1PTHA)<br>Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. | 24.52 | 6.30 |
| 26 05 33 16-0325 | EA | Bottom Housing Assembly (Wiremold 1BLH)<br>Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. | 24.52 | 6.30 |
| 26 05 33 16-0326 | EA | Bottom Housing Assembly (Wiremold 15FFHA)<br>Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units. | 25.79 | 6.30 |
| 26 05 33 16-0327 | EA | Bottom Housing Assembly (Wiremold 1BHA)<br>Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates. | 26.64 | 6.30 |
| 26 05 33 16-0328 | | Evolution 8AT Poke Thru Units *(26 05 33 16-0284)*<br>Note: Excludes concrete drilling. | | |
| 26 05 33 16-0329 | EA | Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP)<br>Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. | 1,104.35 | 50.43 |
| 26 05 33 16-0330 | EA | Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP)<br>Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. | 1,051.47 | 50.43 |
| 26 05 33 16-0331 | EA | Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P)<br>Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. | 1,116.32 | 50.43 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 16-0332 | EA | Recessed Assembly With Surface Style Cover (Wiremold 8ATC)<br>Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. | 1,041.52 | 50.43 |
| 26 05 33 16-0333 | EA | Recessed Assembly With Flush Style Cover (Wiremold 8AT)<br>Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. | 1,032.09 | 50.43 |
| 26 05 33 16-0334 | EA | Recessed Assembly With Disposable Plate (Wiremold 8STC)<br>Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series. | 626.01 | 47.27 |
| 26 05 33 16-0335 | EA | Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP)<br>Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series. | 700.51 | 47.27 |
| 26 05 33 16-0336 | EA | 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)<br>Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws. | 179.54 | 25.21 |
| 26 05 33 16-0337 | EA | Surface Style Cover Assembly (Wiremold 8CTC)<br>Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. | 366.25 | 12.61 |
| 26 05 33 16-0338 | EA | Flush Style Cover Assembly (Wiremold 8CT)<br>Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim. | 366.25 | 12.61 |
| 26 05 33 16-0339 | EA | Tile Shim (Wiremold 8TS)<br>Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment. | 63.62 | 3.15 |
| 26 05 33 16-0340 | EA | Device Mounting Plate (Wiremold 8B)<br>Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used. | 21.51 | 6.30 |
| 26 05 33 16-0341 | EA | Device Mounting Plate (Wiremold 8DP)<br>Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others. | 21.63 | 6.30 |
| 26 05 33 16-0342 | EA | Device Mounting Plate (Wiremold 8DEC)<br>Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others. | 21.76 | 6.30 |
| 26 05 33 16-0343 | EA | Device Mounting Plate (Wiremold 8ACT6A)<br>Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others. | 25.07 | 6.30 |
| 26 05 33 16-0344 | EA | Mosaic Mounting Plate (Wiremold 8MOS)<br>Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others. | 30.15 | 6.30 |
| 26 05 33 16-0345 | EA | Crestron Double Gang Plate (Wiremold 8CREST)<br>Note: Device plate accepts Crestron double-gang decorator style devices. | 30.11 | 6.30 |
| 26 05 33 16-0346 | EA | Device Mounting Plate (Wiremold 8S1)<br>Note: Receptacle opening 1 3/8". For 8" poke-thru units only. | 20.89 | 6.30 |
| 26 05 33 16-0347 | EA | Device Mounting Plate (Wiremold 8S2)<br>Note: Receptacle opening 1 9/16". For 8" poke-thru units only. | 21.15 | 6.30 |
| 26 05 33 16-0348 | EA | Device Mounting Plate (Wiremold 8TRAC)<br>Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others. | 20.89 | 6.30 |
| 26 05 33 16-0349 | EA | Device Mounting Plate (Wiremold 8SER)<br>Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others. | 20.89 | 6.30 |
| 26 05 33 16-0350 | EA | Device Mounting Plate (Wiremold 8MAAP)<br>Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others. | 29.70 | 6.30 |
| 26 05 33 16-0351 | EA | Device Mounting Plate (Wiremold 8AAP)<br>Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others. | 24.92 | 6.30 |
| 26 05 33 16-0352 | EA | 8" Divider (Wiremold 8DIV)<br>Note: Divider allows for separation of services when required. | 28.58 | 6.30 |
| 26 05 33 16-0353 | EA | Bottom Housing Assembly (Wiremold 22CHA)<br>Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units. | 39.41 | 12.61 |

## 26 05 33 23 Surface Raceways for Electrical Systems *(26 05 33)*

### 26 05 33 23-0001 Raceways *(26 05 33 23)*

### 26 05 33 23-0002 Wireway With Screw Cover *(26 05 33 23-0001)*

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

### 26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover *(26 05 33 23-0002)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 23-0004 | LF | 2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover | 28.36 | 5.75 |
| | | *For Combination Hinged Screw Cover, Add* | *0.84* | |
| | | *For Concrete Or Masonry Surface, Add* | *0.58* | |
| 26 05 33 23-0005 | EA | 2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover | 23.38 | 8.64 |
| | | *For Combination Hinged Screw Cover, Add* | *0.31* | |
| 26 05 33 23-0006 | EA | 2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover | 27.65 | 10.77 |
| | | *For Combination Hinged Screw Cover, Add* | *0.31* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 23-0007 | EA | 2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover | 58.22 | 20.16 |
| | | *For Combination Hinged Screw Cover, Add* | *0.90* | |
| 26 05 33 23-0008 | EA | 2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover | 93.89 | 20.16 |
| | | *For Combination Hinged Screw Cover, Add* | *2.68* | |
| 26 05 33 23-0009 | EA | 2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover | 139.09 | 28.68 |
| | | *For Combination Hinged Screw Cover, Add* | *4.09* | |
| 26 05 33 23-0010 | EA | 2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover | 156.14 | 31.68 |
| | | *For Combination Hinged Screw Cover, Add* | *4.64* | |
| **26 05 33 23-0011** | | **4" x 4", Wireway With Screw Cover** *(26 05 33 23-0002)* | | |
| 26 05 33 23-0012 | LF | 4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover | 34.73 | 7.26 |
| | | *For Combination Hinged Screw Cover, Add* | *1.02* | |
| | | *For Concrete Or Masonry Surface, Add* | *0.72* | |
| 26 05 33 23-0013 | LF | 4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover | 62.40 | 7.26 |
| | | *For Combination Hinged Screw Cover, Add* | *2.40* | |
| | | *For Concrete Or Masonry Surface, Add* | *0.72* | |
| 26 05 33 23-0014 | EA | 4" x 4", End Plate For Surface Mounted Wireway With Screw Cover | 19.04 | 6.34 |
| | | *For Combination Hinged Screw Cover, Add* | *0.32* | |
| 26 05 33 23-0015 | EA | 4" x 4", Coupling For Surface Mounted Wireway With Screw Cover | 30.56 | 12.09 |
| | | *For Combination Hinged Screw Cover, Add* | *0.32* | |
| 26 05 33 23-0016 | EA | 4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover | 68.75 | 24.65 |
| | | *For Combination Hinged Screw Cover, Add* | *0.97* | |
| 26 05 33 23-0017 | EA | 4" x 4", Elbow For Surface Mounted Wireway With Screw Cover | 107.97 | 24.65 |
| | | *For Combination Hinged Screw Cover, Add* | *2.93* | |
| 26 05 33 23-0018 | EA | 4" x 4", Tee For Surface Mounted Wireway With Screw Cover | 152.93 | 32.02 |
| | | *For Combination Hinged Screw Cover, Add* | *4.44* | |
| 26 05 33 23-0019 | EA | 4" x 4", Cross For Surface Mounted Wireway With Screw Cover | 176.66 | 37.43 |
| | | *For Combination Hinged Screw Cover, Add* | *5.09* | |
| **26 05 33 23-0020** | | **6" x 6", Wireway With Screw Cover** *(26 05 33 23-0002)* | | |
| 26 05 33 23-0021 | LF | 6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover | 51.93 | 8.64 |
| | | *For Combination Hinged Screw Cover, Add* | *1.73* | |
| | | *For Concrete Or Masonry Surface, Add* | *0.87* | |
| 26 05 33 23-0022 | LF | 6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover | 100.46 | 8.64 |
| | | *For Combination Hinged Screw Cover, Add* | *4.16* | |
| | | *For Concrete Or Masonry Surface, Add* | *0.87* | |
| 26 05 33 23-0023 | EA | 6" x 6", End Plate For Surface Mounted Wireway With Screw Cover | 24.08 | 6.91 |
| | | *For Combination Hinged Screw Cover, Add* | *0.51* | |
| 26 05 33 23-0024 | EA | 6" x 6", Coupling For Surface Mounted Wireway With Screw Cover | 39.05 | 14.40 |
| | | *For Combination Hinged Screw Cover, Add* | *0.51* | |
| 26 05 33 23-0025 | EA | 6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover | 97.10 | 28.68 |
| | | *For Combination Hinged Screw Cover, Add* | *1.99* | |
| 26 05 33 23-0026 | EA | 6" x 6", Elbow For Surface Mounted Wireway With Screw Cover | 138.51 | 28.68 |
| | | *For Combination Hinged Screw Cover, Add* | *4.06* | |
| 26 05 33 23-0027 | EA | 6" x 6", Tee For Surface Mounted Wireway With Screw Cover | 217.60 | 35.82 |
| | | *For Combination Hinged Screw Cover, Add* | *7.30* | |
| 26 05 33 23-0028 | EA | 6" x 6", Cross For Surface Mounted Wireway With Screw Cover | 235.87 | 41.46 |
| | | *For Combination Hinged Screw Cover, Add* | *7.65* | |
| **26 05 33 23-0029** | | **8" x 8", Wireway With Screw Cover** *(26 05 33 23-0002)* | | |
| 26 05 33 23-0030 | LF | 8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover | 83.76 | 9.44 |
| | | *For Combination Hinged Screw Cover, Add* | *3.25* | |
| | | *For Concrete Or Masonry Surface, Add* | *0.94* | |
| 26 05 33 23-0031 | LF | 8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover | 152.86 | 9.44 |
| | | *For Combination Hinged Screw Cover, Add* | *6.70* | |
| | | *For Concrete Or Masonry Surface, Add* | *0.94* | |
| 26 05 33 23-0032 | EA | 8" x 8", End Plate For Surface Mounted Wireway With Screw Cover | 26.52 | 7.49 |
| | | *For Combination Hinged Screw Cover, Add* | *0.58* | |
| 26 05 33 23-0033 | EA | 8" x 8", Coupling For Surface Mounted Wireway With Screw Cover | 42.64 | 15.55 |
| | | *For Combination Hinged Screw Cover, Add* | *0.58* | |
| 26 05 33 23-0034 | EA | 8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover | 108.36 | 31.56 |
| | | *For Combination Hinged Screw Cover, Add* | *2.26* | |
| 26 05 33 23-0035 | EA | 8" x 8", Elbow For Surface Mounted Wireway With Screw Cover | 175.62 | 31.56 |
| | | *For Combination Hinged Screw Cover, Add* | *5.62* | |
| 26 05 33 23-0036 | EA | 8" x 8", Tee For Surface Mounted Wireway With Screw Cover | 261.66 | 38.94 |
| | | *For Combination Hinged Screw Cover, Add* | *9.19* | |
| 26 05 33 23-0037 | EA | 8" x 8", Cross For Surface Mounted Wireway With Screw Cover | 365.22 | 47.23 |
| | | *For Combination Hinged Screw Cover, Add* | *13.54* | |
| **26 05 33 23-0038** | | **10" x 10", Wireway With Screw Cover** *(26 05 33 23-0002)* | | |
| 26 05 33 23-0039 | LF | 10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover | 121.57 | 10.95 |
| | | *For Combination Hinged Screw Cover, Add* | *4.98* | |
| | | *For Concrete Or Masonry Surface, Add* | *1.10* | |
| 26 05 33 23-0040 | LF | 10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover | 215.08 | 10.95 |
| | | *For Combination Hinged Screw Cover, Add* | *9.66* | |
| | | *For Concrete Or Masonry Surface, Add* | *1.10* | |
| 26 05 33 23-0041 | EA | 10" x 10", End Plate For Surface Mounted Wireway With Screw Cover | 37.09 | 8.64 |
| | | *For Combination Hinged Screw Cover, Add* | *0.99* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 23-0042 | EA | 10" x 10", Coupling For Surface Mounted Wireway With Screw Cover | 54.36 | 17.27 |
| | | *For Combination Hinged Screw Cover, Add* | *0.99* | |
| 26 05 33 23-0043 | EA | 10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover | 144.46 | 34.32 |
| | | *For Combination Hinged Screw Cover, Add* | *3.79* | |
| 26 05 33 23-0044 | EA | 10" x 10", Elbow For Surface Mounted Wireway With Screw Cover | 277.90 | 34.32 |
| | | *For Combination Hinged Screw Cover, Add* | *10.46* | |
| 26 05 33 23-0045 | EA | 10" x 10", Tee For Surface Mounted Wireway With Screw Cover | 420.21 | 43.31 |
| | | *For Combination Hinged Screw Cover, Add* | *16.68* | |
| 26 05 33 23-0046 | EA | 10" x 10", Cross For Surface Mounted Wireway With Screw Cover | 599.33 | 48.95 |
| | | *For Combination Hinged Screw Cover, Add* | *25.07* | |

## 26 05 33 23-0047 12" x 12", Wireway With Screw Cover *(26 05 33 23-0002)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 23-0048 | LF | 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover | 142.77 | 13.24 |
| | | *For Combination Hinged Screw Cover, Add* | *5.81* | |
| | | *For Concrete Or Masonry Surface, Add* | *1.32* | |
| 26 05 33 23-0049 | LF | 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover | 236.74 | 13.24 |
| | | *For Combination Hinged Screw Cover, Add* | *10.51* | |
| | | *For Concrete Or Masonry Surface, Add* | *1.32* | |
| 26 05 33 23-0050 | EA | 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover | 48.71 | 9.21 |
| | | *For Combination Hinged Screw Cover, Add* | *1.51* | |
| 26 05 33 23-0051 | EA | 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover | 67.15 | 18.42 |
| | | *For Combination Hinged Screw Cover, Add* | *1.51* | |
| 26 05 33 23-0052 | EA | 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover | 189.39 | 37.43 |
| | | *For Combination Hinged Screw Cover, Add* | *5.73* | |
| 26 05 33 23-0053 | EA | 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover | 366.11 | 37.43 |
| | | *For Combination Hinged Screw Cover, Add* | *14.56* | |
| 26 05 33 23-0054 | EA | 12" x 12", Tee For Surface Mounted Wireway With Screw Cover | 472.12 | 46.07 |
| | | *For Combination Hinged Screw Cover, Add* | *19.00* | |
| 26 05 33 23-0055 | EA | 12" x 12", Cross For Surface Mounted Wireway With Screw Cover | 768.97 | 51.83 |
| | | *For Combination Hinged Screw Cover, Add* | *33.27* | |

## 26 05 33 23-0056 Surface Metal Raceways *(26 05 33 23-0001)*

Note: Exposed on flat wall surface.

## 26 05 33 23-0057 One Piece Surface Metal Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

## 26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) *(26 05 33 23-0057)*

Note: Available in ivory.

| | | | | |
|---|---|---|---|---|
| 26 05 33 23-0059 | LF | 3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500) | 5.10 | 1.72 |
| | | *For Concrete Or Masonry Surface, Add* | *0.17* | |
| 26 05 33 23-0060 | EA | Bushing (Wiremold #502) | 5.00 | 2.31 |
| 26 05 33 23-0061 | EA | One Or Two Hole Strap (Wiremold #504) | 5.04 | 2.31 |
| 26 05 33 23-0062 | EA | Connection Cover (Wiremold #506) | 5.23 | 2.31 |
| 26 05 33 23-0063 | EA | Flat 90 Degree Elbow (Wiremold #511) | 7.97 | 2.77 |
| 26 05 33 23-0064 | EA | Flat 45 Degree Elbow (Wiremold #512) | 13.24 | 2.88 |
| 26 05 33 23-0065 | EA | Adjustable Internal Elbow (Wiremold #517) | 9.92 | 3.46 |
| 26 05 33 23-0066 | EA | Adjustable External Elbow (Wiremold #518) | 9.70 | 3.46 |

## 26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) *(26 05 33 23-0057)*

Note: Available in ivory and white.

| | | | | |
|---|---|---|---|---|
| 26 05 33 23-0068 | LF | 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700) | 6.46 | 2.31 |
| | | *For Concrete Or Masonry Surface, Add* | *0.23* | |
| 26 05 33 23-0069 | EA | Bushing (Wiremold #702) | 5.13 | 2.31 |
| 26 05 33 23-0070 | EA | One Or Two Hole Strap (Wiremold #704) | 5.29 | 2.31 |
| 26 05 33 23-0071 | EA | Connection Cover (Wiremold #706) | 5.33 | 2.31 |
| 26 05 33 23-0072 | EA | Flat 90 Degree Elbow (Wiremold #711) | 11.75 | 4.61 |
| 26 05 33 23-0073 | EA | Flat 45 Degree Elbow (Wiremold #712) | 18.51 | 4.61 |
| 26 05 33 23-0074 | EA | Adjustable Internal Elbow (Wiremold #717) | 12.68 | 4.61 |
| 26 05 33 23-0075 | EA | Adjustable External Elbow (Wiremold #718) | 12.26 | 4.61 |

## 26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) *(26 05 33 23-0057)*

Note: Available in ivory.

| | | | | |
|---|---|---|---|---|
| 26 05 33 23-0077 | EA | 18" Flex Fitting, For #500 Or 700 (Wiremold #5700F) | 35.15 | 3.46 |
| 26 05 33 23-0078 | EA | Galvanized Coupling For #500 Or 700 (Wiremold #5701) | 5.27 | 2.31 |
| 26 05 33 23-0079 | EA | Supporting Clip, For #500 Or 700 (Wiremold #5703) | 5.27 | 2.31 |
| 26 05 33 23-0080 | EA | Ground Clamp (Wiremold #5709) | 15.31 | 3.46 |
| 26 05 33 23-0081 | EA | Grounding Connector (Wiremold #5709GC) | 12.93 | 3.46 |
| 26 05 33 23-0082 | EA | L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711) | 14.68 | 4.61 |
| 26 05 33 23-0083 | EA | Tee (Wiremold #5715) | 16.51 | 5.75 |
| 26 05 33 23-0084 | EA | 2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719) | 28.75 | 4.61 |
| 26 05 33 23-0085 | EA | Utility Box For #500 Or #700 (Wiremold #57242) | 22.12 | 4.61 |
| 26 05 33 23-0086 | EA | 2-3/8" Diameter, Blank Cover (Wiremold #5731) | 11.88 | 2.88 |
| 26 05 33 23-0087 | EA | 3" Diameter, Outlet Box (Wiremold #5733) | 27.39 | 4.61 |
| 26 05 33 23-0088 | EA | 4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735) | 27.28 | 4.61 |
| 26 05 33 23-0089 | EA | 4-3/8" Blank Cover (Wiremold #5736) | 12.59 | 2.88 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 23-0090 | EA | 4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737) | 24.78 | 4.61 |
| 26 05 33 23-0091 | EA | 5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A) | 23.91 | 4.61 |
| 26 05 33 23-0092 | EA | 4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738) | 24.12 | 4.61 |
| 26 05 33 23-0093 | EA | 5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A) | 24.12 | 4.61 |
| 26 05 33 23-0094 | EA | 5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF) | 27.28 | 4.61 |
| 26 05 33 23-0095 | EA | 6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739) | 26.95 | 4.61 |
| 26 05 33 23-0096 | EA | 6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A) | 28.76 | 4.61 |
| 26 05 33 23-0097 | EA | Standard Switch Box For #500, Or #700 (Wiremold #57240) | 32.40 | 7.49 |
| 26 05 33 23-0098 | EA | Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G) | 51.22 | 14.40 |
| 26 05 33 23-0099 | EA | 2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741) | 24.44 | 7.49 |
| 26 05 33 23-0100 | EA | 1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744) | 38.80 | 7.49 |
| 26 05 33 23-0101 | EA | 2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2) | 44.50 | 7.49 |
| 26 05 33 23-0102 | EA | 3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3) | 67.68 | 7.49 |
| 26 05 33 23-0103 | EA | 1 Gang, Signal Box (Wiremold #5744S) | 35.16 | 6.34 |
| 26 05 33 23-0104 | EA | 2 Gang, Signal Box (Wiremold #5744S-2) | 39.27 | 6.34 |
| 26 05 33 23-0105 | EA | 3 Gang, Signal Box (Wiremold #5744S-3) | 63.09 | 6.34 |
| 26 05 33 23-0106 | EA | 4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745) | 25.53 | 7.49 |
| 26 05 33 23-0107 | EA | 4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747) | 22.42 | 7.49 |
| 26 05 33 23-0108 | EA | 4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2) | 31.63 | 7.49 |
| 26 05 33 23-0109 | EA | 4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3) | 61.75 | 7.49 |
| 26 05 33 23-0110 | EA | 4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748) | 23.98 | 7.49 |
| 26 05 33 23-0111 | EA | 4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2) | 33.49 | 7.49 |
| 26 05 33 23-0112 | EA | 4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3) | 60.01 | 7.49 |
| 26 05 33 23-0113 | EA | 4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4) | 89.19 | 7.49 |
| 26 05 33 23-0114 | EA | 4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5) | 147.21 | 7.49 |
| 26 05 33 23-0115 | EA | 4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6) | 149.80 | 7.49 |
| 26 05 33 23-0116 | EA | 4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S) | 23.68 | 7.49 |
| 26 05 33 23-0117 | EA | 4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751) | 23.02 | 7.49 |
| 26 05 33 23-0118 | EA | 4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2) | 30.70 | 7.49 |
| 26 05 33 23-0119 | EA | 4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3) | 60.60 | 7.49 |
| 26 05 33 23-0120 | EA | 4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A) | 24.90 | 7.49 |
| 26 05 33 23-0121 | EA | 4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752) | 32.31 | 7.49 |
| 26 05 33 23-0122 | EA | 4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753) | 46.65 | 7.49 |
| 26 05 33 23-0123 | EA | Blank Extension Box (Wiremold #5760) | 16.19 | 2.88 |
| 26 05 33 23-0124 | EA | 1/2" Special Nipple (Wiremold #5780) | 15.42 | 2.88 |
| 26 05 33 23-0125 | EA | 1/2" Box Connector (Wiremold #5781) | 10.23 | 2.88 |
| 26 05 33 23-0126 | EA | 3/4" Box Connector (Wiremold #5781A) | 19.36 | 3.46 |
| 26 05 33 23-0127 | EA | 1/2" Conduit Connector (Wiremold #5782) | 10.32 | 2.88 |
| 26 05 33 23-0128 | EA | 3/4" Conduit Connector (Wiremold #5782A) | 24.29 | 3.46 |
| 26 05 33 23-0129 | EA | 1/2" Elbow Conduit Connector (Wiremold #5784) | 21.74 | 3.46 |
| 26 05 33 23-0130 | EA | Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785) | 12.04 | 3.46 |
| 26 05 33 23-0131 | EA | Offset Connector (Wiremold #5786) | 20.18 | 3.46 |
| 26 05 33 23-0132 | EA | Armor Cable Connector (Wiremold #5790B) | 10.48 | 2.88 |
| 26 05 33 23-0133 | EA | 1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791) | 9.29 | 2.31 |

## 26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) *(26 05 33 23-0057)*

Note: Galvanized finish.

| | | | | |
|---|---|---|---|---|
| 26 05 33 23-0135 | LF | 1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10) | 9.34 | 2.88 |
| | | *For Concrete Or Masonry Surface, Add* | *0.29* | |
| 26 05 33 23-0136 | EA | Wire Clip (Wiremold #1500WC) | 5.79 | 2.31 |
| 26 05 33 23-0137 | EA | Bushing (Wiremold #1502) | 6.85 | 2.88 |
| 26 05 33 23-0138 | EA | 2-Hole Strap (Wiremold #1504) | 7.74 | 3.46 |
| 26 05 33 23-0139 | EA | Flat Elbow (Wiremold #1511) | 30.09 | 10.95 |
| 26 05 33 23-0140 | EA | Internal Elbow (Wiremold #1517) | 31.10 | 10.95 |
| 26 05 33 23-0141 | EA | Adapter Fitting (Wiremold #1517B) | 33.47 | 10.95 |
| 26 05 33 23-0142 | EA | External Elbow (Wiremold #1518) | 33.27 | 10.95 |
| 26 05 33 23-0143 | EA | Utility Box (Wiremold #1528) | 30.16 | 7.49 |
| 26 05 33 23-0144 | EA | Junction Box (Wiremold #1542D) | 31.11 | 7.49 |
| 26 05 33 23-0145 | EA | Duplex Receptacle (Wiremold #1543GL) | 60.96 | 14.40 |
| 26 05 33 23-0146 | EA | Single Receptacle Box (Wiremold #1546A) | 32.04 | 7.49 |
| 26 05 33 23-0147 | EA | Duplex Receptacle Box (Wiremold #1546B) | 39.26 | 7.49 |
| 26 05 33 23-0148 | EA | Telephone Box (Wiremold #1546T) | 38.51 | 7.49 |
| 26 05 33 23-0149 | EA | Combination Connection (Wiremold #1585) | 18.62 | 3.46 |

## 26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) *(26 05 33 23-0057)*

Note: Galvanized finish.

| | | | | |
|---|---|---|---|---|
| 26 05 33 23-0151 | LF | 2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10) | 15.95 | 5.18 |
| | | *For Concrete Or Masonry Surface, Add* | *0.52* | |
| 26 05 33 23-0152 | EA | Wire Clip (Wiremold #2600WC) | 5.95 | 2.31 |
| 26 05 33 23-0153 | EA | Fiber Bushing (Wiremold #2602) | 6.70 | 2.31 |
| 26 05 33 23-0154 | EA | 2-5/8", 90 Degree Flat Elbow (Wiremold #2611) | 24.73 | 4.03 |
| 26 05 33 23-0155 | EA | 5" Diameter, Junction Box (Wiremold #2642D) | 37.08 | 5.75 |
| 26 05 33 23-0156 | EA | Service Fitting (Wiremold #2686FO) | 36.13 | 6.91 |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| **26 05 33 23-0157** | | | **Two Piece Surface Metal Raceways** *(26 05 33 23-0056)* Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal). | | |
| **26 05 33 23-0158** | | | **1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000)** *(26 05 33 23-0157)* | | |
| 26 05 33 23-0159 | LF | | 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC) | 8.73 | 2.88 |
| | | | *For Concrete Or Masonry Surface, Add* | *0.29* | |
| 26 05 33 23-0160 | EA | | Wire Clip (Wiremold #2000WC) | 4.23 | 2.31 |
| 26 05 33 23-0161 | EA | | Coupling (Wiremold #2001) | 11.33 | 2.88 |
| 26 05 33 23-0162 | EA | | Supporting Clip (Wiremold #2003) | 5.41 | 1.72 |
| 26 05 33 23-0163 | EA | | Cover Clip (Wiremold #2006) | 5.03 | 1.72 |
| 26 05 33 23-0164 | EA | | Ground Clamp (Wiremold #2009) | 12.87 | 2.88 |
| 26 05 33 23-0165 | EA | | Entrance End Fitting (Wiremold #2010A2) | 25.77 | 8.64 |
| 26 05 33 23-0166 | EA | | Entrance End Fitting (Wiremold #2010A3) | 43.71 | 11.52 |
| 26 05 33 23-0167 | EA | | Blank End Fitting (Wiremold #2010B) | 6.90 | 2.88 |
| 26 05 33 23-0168 | EA | | Flat 90 Degree Elbow (Wiremold #2011) | 22.18 | 7.49 |
| 26 05 33 23-0169 | EA | | Tee (Wiremold #2015) | 40.35 | 10.83 |
| 26 05 33 23-0170 | EA | | Internal Corner Coupling (Wiremold #2017TC) | 14.31 | 5.75 |
| 26 05 33 23-0171 | EA | | Single Gang Device Box (Wiremold #2048) | 33.46 | 10.25 |
| 26 05 33 23-0172 | EA | | 2-Gang device Box (Wiremold #2048-2) | 52.24 | 11.40 |
| 26 05 33 23-0173 | EA | | Flush Plate Adapter (Wiremold #2051H) | 36.28 | 11.40 |
| 26 05 33 23-0174 | EA | | Side Reducing Connector (Wiremold #2089) | 29.51 | 5.75 |
| 26 05 33 23-0175 | EA | | #2089E End Reducing Connector | 12.23 | 2.88 |
| **26 05 33 23-0176** | | | **1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400)** *(26 05 33 23-0157)* Note: Available in gray enamel (G) or ivory (V). | | |
| 26 05 33 23-0177 | LF | | 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B) | 7.54 | 2.88 |
| | | | *For Concrete Or Masonry Surface, Add* | *0.29* | |
| 26 05 33 23-0178 | LF | | 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD) | 8.26 | 2.88 |
| | | | *For Concrete Or Masonry Surface, Add* | *0.29* | |
| 26 05 33 23-0179 | LF | | Raceway Cover (Wiremold #2400C) | 2.98 | 0.57 |
| 26 05 33 23-0180 | EA | | Wire Clip (Wiremold #2400WC) | 4.24 | 2.31 |
| 26 05 33 23-0181 | EA | | Coupling (Wiremold #2401) | 11.26 | 2.88 |
| 26 05 33 23-0182 | EA | | Divided Raceway Coupling (Wiremold #2401D) | 9.18 | 2.88 |
| 26 05 33 23-0183 | EA | | Cover Clip (Wiremold #2406) | 5.10 | 1.72 |
| 26 05 33 23-0184 | EA | | Device Bracket Frame (Wiremold #2407-2CM) | 37.68 | 8.64 |
| 26 05 33 23-0185 | EA | | Device Bracket Frame (Wiremold #2407-2TJ) | 36.11 | 8.64 |
| 26 05 33 23-0186 | EA | | Ground Clamp (Wiremold #2409) | 9.83 | 2.31 |
| 26 05 33 23-0187 | EA | | End Fitting (Wiremold #2410A) | 24.89 | 8.64 |
| 26 05 33 23-0188 | EA | | Blank End (Wiremold #2410B) | 6.98 | 2.88 |
| 26 05 33 23-0189 | EA | | Divided Blank End Fitting (Wiremold #2410BD) | 7.07 | 2.88 |
| 26 05 33 23-0190 | EA | | Entrance End Fitting (Wiremold #2410C) | 37.51 | 8.64 |
| 26 05 33 23-0191 | EA | | Divided Entrance End Fitting (Wiremold #2410D) | 36.00 | 8.64 |
| 26 05 33 23-0192 | EA | | Divided Entrance End Fitting (Wiremold #2410DFO) | 58.61 | 8.64 |
| 26 05 33 23-0193 | EA | | Full Cap Entrance End Fitting (Wiremold #2410FC) | 45.05 | 8.64 |
| 26 05 33 23-0194 | EA | | Divided Flat 90 Degree Elbow (Wiremold #2411D) | 27.85 | 8.64 |
| 26 05 33 23-0195 | EA | | Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO) | 44.23 | 8.64 |
| 26 05 33 23-0196 | EA | | Radiused Flat 90 Degree Elbow (Wiremold #2411FO) | 39.67 | 8.52 |
| 26 05 33 23-0197 | EA | | Flat 90 Degree Elbow (Wiremold #2411M) | 26.58 | 8.64 |
| 26 05 33 23-0198 | EA | | Radiused Divided Tee (Wiremold #2415DFO) | 47.40 | 8.52 |
| 26 05 33 23-0199 | EA | | Radiused Tee (Wiremold #2415FO) | 45.10 | 8.52 |
| 26 05 33 23-0200 | EA | | Tee (Wiremold #2415M) | 31.38 | 8.52 |
| 26 05 33 23-0201 | EA | | Divided Internal Coupling (Wiremold #2417D) | 26.28 | 8.52 |
| 26 05 33 23-0202 | EA | | Radiused Divided Internal Coupling (Wiremold #2417DFO) | 40.94 | 8.52 |
| 26 05 33 23-0203 | EA | | Radiused Internal Coupling (Wiremold #2417FO) | 39.74 | 8.52 |
| 26 05 33 23-0204 | EA | | Internal Coupling (Wiremold #2417M) | 25.48 | 8.52 |
| 26 05 33 23-0205 | EA | | Radiused Divided External Coupling (Wiremold #2418DFO) | 44.45 | 8.52 |
| 26 05 33 23-0206 | EA | | Radiused External Coupling (Wiremold #2418FO) | 43.74 | 8.52 |
| 26 05 33 23-0207 | EA | | External Coupling (Wiremold #2418M) | 30.86 | 8.52 |
| 26 05 33 23-0208 | EA | | 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444) | 40.41 | 7.49 |
| 26 05 33 23-0209 | EA | | 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2) | 44.82 | 7.49 |
| 26 05 33 23-0210 | EA | | Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS) | 45.04 | 7.49 |
| 26 05 33 23-0211 | EA | | Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D) | 43.18 | 7.49 |
| 26 05 33 23-0212 | EA | | Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A) | 60.76 | 7.49 |
| 26 05 33 23-0213 | EA | | Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N) | 53.54 | 7.49 |
| 26 05 33 23-0214 | EA | | 4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448) | 28.44 | 7.49 |
| 26 05 33 23-0215 | EA | | 4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2) | 43.84 | 7.49 |
| 26 05 33 23-0216 | EA | | Device Bracket Type Adapter Plate (Wiremold #2450) | 13.50 | 2.88 |
| 26 05 33 23-0217 | EA | | 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H) | 32.10 | 8.64 |
| 26 05 33 23-0218 | EA | | Bridge Fitting For 2400/700/500 (Wiremold #2475D) | 94.61 | 8.64 |
| 26 05 33 23-0219 | EA | | Side Reducing Connector (Wiremold #2489) | 27.66 | 4.61 |
| **26 05 33 23-0220** | | | **2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000)** *(26 05 33 23-0157)* Note: Available in gray enamel (G) or ivory (V). | | |
| 26 05 33 23-0221 | LF | | 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B) | 14.98 | 5.18 |
| | | | *For Concrete Or Masonry Surface, Add* | *0.52* | |
| 26 05 33 23-0222 | LF | | Raceway Cover (Wiremold #3000CE) | 3.55 | 0.57 |
| 26 05 33 23-0223 | EA | | Wire Clips For Conductors (Wiremold #3000WC) | 5.72 | 2.31 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 23-0224 | EA | Couplings (Wiremold #3001) | 14.79 | 2.31 |
| 26 05 33 23-0225 | EA | Rigid Inside Coupling (Wiremold #3001A) | 14.60 | 2.88 |
| 26 05 33 23-0226 | EA | Supporting Clip (Wiremold #3003) | 10.79 | 2.88 |
| 26 05 33 23-0227 | EA | Clip Cover (Wiremold #3006E) | 6.20 | 2.31 |
| 26 05 33 23-0228 | EA | Device Brackets (Wiremold #3007C) | 16.03 | 4.61 |
| 26 05 33 23-0229 | EA | C-Hanger (Wiremold #3008C) | 15.93 | 3.46 |
| 26 05 33 23-0230 | EA | Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE) | 37.15 | 10.95 |
| 26 05 33 23-0231 | EA | Blank End Fittings (Wiremold #3010B) | 13.60 | 4.61 |
| 26 05 33 23-0232 | EA | Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C) | 41.12 | 10.95 |
| 26 05 33 23-0233 | EA | Flat 90 Degree Elbow (Wiremold #3011E) | 61.77 | 14.28 |
| 26 05 33 23-0234 | EA | Wall Box Connector (Wiremold #3014C) | 44.14 | 14.40 |
| 26 05 33 23-0235 | EA | Tee Fitting (Wiremold #3015E) | 84.89 | 17.85 |
| 26 05 33 23-0236 | EA | Internal Corner Coupling (Wiremold #3017TCE) | 40.18 | 10.95 |
| 26 05 33 23-0237 | EA | External Corner (Wiremold #3018AE) | 49.53 | 10.95 |
| 26 05 33 23-0238 | EA | Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE) | 35.41 | 10.95 |
| 26 05 33 23-0239 | EA | Utility Box (Wiremold #3028) | 59.87 | 10.95 |
| 26 05 33 23-0240 | EA | Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE) | 19.31 | 2.88 |
| 26 05 33 23-0241 | EA | Blank Cover (Wiremold #3036HE) | 21.12 | 2.88 |
| 26 05 33 23-0242 | EA | Switch Cover (Wiremold #3040CE) | 19.26 | 2.88 |
| 26 05 33 23-0243 | EA | Duplex Receptacle Cover (Wiremold #3043BE) | 22.54 | 3.46 |
| 26 05 33 23-0244 | EA | 15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE) | 58.60 | 14.98 |
| 26 05 33 23-0245 | EA | 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2) | 67.40 | 10.95 |
| 26 05 33 23-0246 | EA | Duplex Receptacle Cover (Wiremold #3046BE) | 19.41 | 3.46 |
| 26 05 33 23-0247 | EA | Tap Off Fitting (Wiremold #3046H-2) | 22.19 | 2.88 |
| 26 05 33 23-0248 | EA | 1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD) | 88.23 | 6.91 |
| 26 05 33 23-0249 | EA | 2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ) | 216.89 | 6.91 |
| 26 05 33 23-0250 | EA | 1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU) | 76.69 | 6.91 |
| 26 05 33 23-0251 | EA | 1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S) | 83.08 | 6.91 |
| 26 05 33 23-0252 | EA | 1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U) | 83.08 | 6.91 |
| 26 05 33 23-0253 | EA | Rectangular Receptacle Cover (Wiremold #3048R) | 26.22 | 3.46 |

## 26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

| | | | | |
|---|---|---|---|---|
| 26 05 33 23-0255 | LF | 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10) | 18.27 | 5.18 |
| | | *For Concrete Or Masonry Surface, Add* | *0.56* | |
| 26 05 33 23-0256 | LF | Raceway Cover (Wiremold #4000C) | 6.42 | 0.57 |
| 26 05 33 23-0257 | LF | Divider (Wiremold #4000D) | 3.12 | 0.57 |
| 26 05 33 23-0258 | EA | Wire Clips For Conductors (Wiremold #4000WC) | 6.99 | 2.88 |
| 26 05 33 23-0259 | EA | Couplings (Wiremold #4001A) | 18.20 | 3.46 |
| 26 05 33 23-0260 | EA | Divider Clip (Wiremold #4001D) | 8.59 | 3.46 |
| 26 05 33 23-0261 | EA | Seam Clip (Wiremold #4006) | 8.74 | 3.46 |
| 26 05 33 23-0262 | EA | Single Device Fitting (Wiremold #4007C-1R) | 36.27 | 7.49 |
| 26 05 33 23-0263 | EA | Blank End Fittings (Wiremold #4010B) | 19.32 | 4.61 |
| 26 05 33 23-0264 | EA | Entrance End Fitting (Wiremold #4010DFO) | 74.18 | 17.73 |
| 26 05 33 23-0265 | EA | Flat 90 Degree Elbow (Wiremold #4011) | 68.94 | 14.40 |
| 26 05 33 23-0266 | EA | Radiused Flat 90 Degree Elbow (Wiremold #4011FO) | 81.39 | 14.40 |
| 26 05 33 23-0267 | EA | Internal Or External 45 Degree Elbow (Wiremold #4012TX) | 75.10 | 17.85 |
| 26 05 33 23-0268 | EA | Wall Box Connector (Wiremold #4014A) | 100.01 | 17.85 |
| 26 05 33 23-0269 | EA | Tee Fitting (Wiremold #4015) | 110.94 | 17.85 |
| 26 05 33 23-0270 | EA | Divided Tee Fitting (Wiremold #4015D) | 115.33 | 17.85 |
| 26 05 33 23-0271 | EA | Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO) | 137.67 | 17.85 |
| 26 05 33 23-0272 | EA | Radiused Tee Fitting (Wiremold #4015FO) | 138.10 | 17.85 |
| 26 05 33 23-0273 | EA | Internal Elbow (Wiremold #4017) | 61.08 | 17.85 |
| 26 05 33 23-0274 | EA | Internal Elbow (Wiremold #4017FO) | 109.00 | 17.85 |
| 26 05 33 23-0275 | EA | Inverted Internal Elbow (Wiremold #4017N) | 67.67 | 17.85 |
| 26 05 33 23-0276 | EA | Internal Corner Coupling (Wiremold #4017TCA) | 57.59 | 17.85 |
| 26 05 33 23-0277 | EA | External Elbow (Wiremold #4018) | 91.02 | 17.85 |
| 26 05 33 23-0278 | EA | Radiused External Elbow (Wiremold #4018FO) | 105.58 | 17.85 |
| 26 05 33 23-0279 | EA | Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ) | 89.22 | 7.49 |
| 26 05 33 23-0280 | EA | Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2) | 94.60 | 7.49 |
| 26 05 33 23-0281 | EA | Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ) | 94.60 | 7.49 |
| 26 05 33 23-0282 | EA | Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2) | 126.45 | 7.49 |
| 26 05 33 23-0283 | EA | Tap-Off Fitting (Wiremold #4046H-2) | 26.60 | 7.49 |
| 26 05 33 23-0284 | EA | Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ) | 81.15 | 3.46 |
| 26 05 33 23-0285 | EA | Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ) | 96.83 | 7.49 |
| 26 05 33 23-0286 | EA | 1 Gang Device Plate (Wiremold #G4047C-1) | 26.38 | 7.49 |
| 26 05 33 23-0287 | EA | 2 Gang Device Plate (Wiremold #G4047C-2) | 30.77 | 7.49 |
| 26 05 33 23-0288 | EA | Device Mounting Bracket (Wiremold #4050) | 29.91 | 5.75 |
| 26 05 33 23-0289 | EA | #4000 To #3000 Take-off Connector (Wiremold #4074A) | 139.79 | 17.85 |
| 26 05 33 23-0290 | EA | Bridge Fitting (Wiremold #4075D) | 125.98 | 17.85 |
| 26 05 33 23-0291 | EA | Bridge Fitting (Wiremold #4075DA) | 125.98 | 17.85 |
| 26 05 33 23-0292 | EA | Panel Connector (Wiremold #4086A) | 101.54 | 33.98 |
| 26 05 33 23-0293 | EA | Reducing Connector Fitting (Wiremold #4089) | 62.46 | 17.85 |

## 26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

| | | | | |
|---|---|---|---|---|
| 26 05 33 23-0295 | LF | 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10) | 26.71 | 6.34 |
| | | *For Concrete Or Masonry Surface, Add* | *0.63* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 23-0296 | LF | Raceway Cover (Wiremold #6000C) | 7.68 | 1.72 |
| 26 05 33 23-0297 | LF | Divider (Wiremold #6000DA) | 8.09 | 1.72 |
| 26 05 33 23-0298 | EA | Wire Clips For Conductors (Wiremold #6000WC) | 8.11 | 2.88 |
| 26 05 33 23-0299 | EA | Couplings (Wiremold #6001A) | 22.34 | 5.75 |
| 26 05 33 23-0300 | EA | Divider Clip (Wiremold #6001D) | 10.33 | 2.88 |
| 26 05 33 23-0301 | EA | Converter Coupling (Wiremold #6001TX) | 28.64 | 7.49 |
| 26 05 33 23-0302 | EA | Connection Cover (Wiremold #6006) | 27.18 | 7.49 |
| 26 05 33 23-0303 | EA | Single Gang Device Plate (Wiremold #6007C-1) | 28.51 | 7.49 |
| 26 05 33 23-0304 | EA | Two Gang Device Plate (Wiremold #6007C-2) | 31.21 | 7.49 |
| 26 05 33 23-0305 | EA | C-Hanger (Wiremold #6008A) | 45.36 | 10.95 |
| 26 05 33 23-0306 | EA | Blank End Fittings (Wiremold #6010B) | 48.92 | 17.27 |
| 26 05 33 23-0307 | EA | Combination Flat Elbow (Wiremold #6011TX) | 91.83 | 17.27 |
| 26 05 33 23-0308 | EA | Internal-External 45 Degree Elbow (Wiremold #6012TX) | 93.40 | 16.59 |
| 26 05 33 23-0309 | EA | Connector Fitting (Wiremold #6014A) | 133.28 | 17.85 |
| 26 05 33 23-0310 | EA | Combination Internal-External Elbow (Wiremold #6017TX) | 95.13 | 19.58 |
| 26 05 33 23-0311 | EA | Circuit Breaker Housing (Wiremold #6046KD) | 165.76 | 19.58 |
| 26 05 33 23-0312 | EA | #6000 To #6000 Take-off Connector (Wiremold #6074) | 159.96 | 17.27 |
| 26 05 33 23-0313 | EA | #6000 To #4000 Take-off Connector (Wiremold #6074A) | 173.07 | 17.27 |
| 26 05 33 23-0314 | EA | Panel Connector (Wiremold #6086) | 104.85 | 40.08 |

## 26 05 33 23-0315 Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

## 26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0315)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 23-0317 | LF | 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B) | 11.50 | 2.88 |
| | | *For Concrete Or Masonry Surface, Add* | *0.29* | |
| 26 05 33 23-0318 | LF | Aluminum Raceway Cover (Wiremold #AL2000C) | 5.71 | 0.57 |
| 26 05 33 23-0319 | EA | Wire Clip (Wiremold #AL2000WC) | 5.60 | 2.31 |
| 26 05 33 23-0320 | EA | Coupling (Wiremold #AL2001) | 12.39 | 2.88 |
| 26 05 33 23-0321 | EA | Supporting Clip (Wiremold #AL2003) | 6.05 | 1.72 |
| 26 05 33 23-0322 | EA | Cover Clip (Wiremold #AL2006) | 7.65 | 1.72 |
| 26 05 33 23-0323 | EA | Ground Clamp (Wiremold #AL2009) | 10.97 | 2.88 |
| 26 05 33 23-0324 | EA | Entrance End Fitting (Wiremold #AL2010A) | 30.65 | 8.64 |
| 26 05 33 23-0325 | EA | Blank End Fitting (Wiremold #AL2010B) | 9.91 | 2.88 |
| 26 05 33 23-0326 | EA | Flat 90 Degree Elbow (Wiremold #AL2011) | 35.46 | 7.49 |
| 26 05 33 23-0327 | EA | Tee (Wiremold #AL2015) | 48.09 | 10.83 |
| 26 05 33 23-0328 | EA | Internal Corner Elbow (Wiremold #AL2017) | 32.05 | 5.75 |
| 26 05 33 23-0329 | EA | External Corner Elbow (Wiremold #AL2018) | 31.98 | 5.75 |
| 26 05 33 23-0330 | EA | 2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043) | 52.37 | 11.40 |
| 26 05 33 23-0331 | EA | 4-13/16" Round Fixture Box (Wiremold #AL2038) | 120.79 | 10.25 |
| 26 05 33 23-0332 | EA | 4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044) | 53.90 | 10.25 |
| 26 05 33 23-0333 | EA | 4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2) | 111.30 | 11.40 |
| 26 05 33 23-0334 | EA | Single Gang Shallow Device Box (Wiremold #AL2047) | 55.80 | 10.25 |
| 26 05 33 23-0335 | EA | 2-Gang Shallow Device Box (Wiremold #AL2047-2) | 98.43 | 11.40 |
| 26 05 33 23-0336 | EA | Flush Plate Adapter (Wiremold #AL2051H) | 42.39 | 11.40 |

## 26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) *(26 05 33 23-0315)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 23-0338 | LF | 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B) | 12.70 | 2.88 |
| | | *For Concrete Or Masonry Surface, Add* | *0.29* | |
| 26 05 33 23-0339 | LF | Aluminum Raceway Cover (Wiremold #AL2400C) | 5.77 | 0.57 |
| 26 05 33 23-0340 | EA | Wire Clip (Wiremold #AL2400WC) | 7.52 | 2.31 |
| 26 05 33 23-0341 | EA | Coupling (Wiremold #AL2401) | 14.22 | 2.88 |
| 26 05 33 23-0342 | EA | Cover Clip (Wiremold #AL2406) | 9.75 | 1.72 |
| 26 05 33 23-0343 | EA | Ground Clamp (Wiremold #AL2409) | 8.59 | 2.31 |
| 26 05 33 23-0344 | EA | Blank End (Wiremold #AL2410B) | 10.83 | 2.88 |
| 26 05 33 23-0345 | EA | End Fitting (Wiremold #AL2410B2) | 23.42 | 8.64 |
| 26 05 33 23-0346 | EA | Flat 90 Degree Elbow (Wiremold #AL2411) | 42.16 | 8.64 |
| 26 05 33 23-0347 | EA | Tee (Wiremold #AL2415) | 45.91 | 8.52 |
| 26 05 33 23-0348 | EA | Fourway Fitting (Wiremold #AL2416) | 53.81 | 8.52 |
| 26 05 33 23-0349 | EA | Internal Coupling (Wiremold #AL2417) | 42.01 | 8.52 |
| 26 05 33 23-0350 | EA | External Coupling (Wiremold #AL2418) | 45.18 | 8.52 |
| 26 05 33 23-0351 | EA | 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H) | 37.68 | 8.64 |

## 26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) *(26 05 33 23-0315)*

| | | | | |
|---|---|---|---|---|
| 26 05 33 23-0353 | LF | 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B) | 23.26 | 5.18 |
| | | *For Concrete Or Masonry Surface, Add* | *0.52* | |
| 26 05 33 23-0354 | LF | Aluminum Raceway Cover (Wiremold #AL3300CE) | 7.00 | 0.57 |
| 26 05 33 23-0355 | LF | Raceway Divider (Wiremold #AL3300D) | 5.76 | 5.18 |
| 26 05 33 23-0356 | EA | Wire Clips For Conductors (Wiremold #AL3300WC) | 11.16 | 2.31 |
| 26 05 33 23-0357 | EA | Couplings (Wiremold #AL3301) | 19.97 | 2.31 |
| 26 05 33 23-0358 | EA | Divider Coupling (Wiremold #AL3301D) | 16.84 | 2.88 |
| 26 05 33 23-0359 | EA | Ground Clamp (Wiremold #AL3309) | 11.27 | 2.31 |
| 26 05 33 23-0360 | EA | Blank End Fittings (Wiremold #AL3310B) | 23.46 | 4.61 |
| 26 05 33 23-0361 | EA | End Fitting (Wiremold #AL3310B1) | 37.58 | 10.95 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 23-0362 | EA | Flat 90 Degree Elbow (Wiremold #AL3311)<br>Note: Includes two (2) AL3301 couplings. | 117.31 | 14.28 |
| 26 05 33 23-0363 | EA | Tee Fitting (Wiremold #AL3315)<br>Note: Includes three (3) AL3301 couplings. | 134.33 | 17.85 |
| 26 05 33 23-0364 | EA | Cross Fitting (Wiremold #AL3316)<br>Note: Includes four (4) AL3301 couplings. | 152.29 | 17.85 |
| 26 05 33 23-0365 | EA | Internal Elbow (Wiremold #AL3317)<br>Note: Includes two (2) AL3301 couplings. | 110.30 | 10.95 |
| 26 05 33 23-0366 | EA | External Elbow (Wiremold #AL3318)<br>Note: Includes two (2) AL3301 couplings. | 110.42 | 10.95 |
| 26 05 33 23-0367 | EA | Duplex Receptacle Cover (Wiremold #AL3346D) | 24.31 | 3.46 |
| 26 05 33 23-0368 | EA | Single Receptacle Cover (Wiremold #AL3346E) | 24.15 | 3.46 |
| 26 05 33 23-0369 | EA | GFCI/Surge Receptacle Cover (Wiremold #AL3346G) | 23.89 | 3.46 |
| 26 05 33 23-0370 | EA | Single Device Cover Plate (Wiremold #AL3356R) | 23.99 | 2.88 |
| **26 05 33 23-0371** | | **5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)** *(26 05 33 23-0315)* | | |
| 26 05 33 23-0372 | LF | 5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10) | 28.01 | 5.18 |
| | | *For Concrete Or Masonry Surface, Add* | *0.56* | |
| 26 05 33 23-0373 | LF | Aluminum Raceway Cover (Wiremold #AL5200C) | 11.60 | 0.57 |
| 26 05 33 23-0374 | LF | Divider (Wiremold #AL5200D) | 6.78 | 0.57 |
| 26 05 33 23-0375 | EA | Wire Clips For Conductors (Wiremold #AL5200WC) | 9.28 | 2.88 |
| 26 05 33 23-0376 | EA | Wire Clips For Conductors (Wiremold #AL5200WC2) | 7.78 | 2.88 |
| 26 05 33 23-0377 | EA | Wire Clips For Conductors (Wiremold #AL5200WC3) | 7.72 | 2.88 |
| 26 05 33 23-0378 | EA | Couplings (Wiremold #AL5201) | 18.05 | 3.46 |
| 26 05 33 23-0379 | EA | Cover Clip (Wiremold #AL5206) | 16.04 | 3.46 |
| 26 05 33 23-0380 | EA | Ground Adapter (Wiremold #AL5209) | 19.94 | 3.46 |
| 26 05 33 23-0381 | EA | Blank End Fittings (Wiremold #AL5210B) | 21.08 | 4.61 |
| 26 05 33 23-0382 | EA | Blank End Fittings (Wiremold #AL5210B1) | 22.64 | 4.61 |
| 26 05 33 23-0383 | EA | Blank End Fittings (Wiremold #AL5210B2) | 22.99 | 4.61 |
| 26 05 33 23-0384 | EA | Blank End Fittings (Wiremold #AL5210B3) | 22.28 | 4.61 |
| 26 05 33 23-0385 | EA | Flat 90 Degree Elbow (Wiemold #AL5211)<br>Note: Includes two (2) pairs of AL5201 couplings. | 116.86 | 14.40 |
| 26 05 33 23-0386 | EA | Wall Box Connector (Wiremold #AL5214) | 91.60 | 17.85 |
| 26 05 33 23-0387 | EA | Tee Fitting (Wiremold #AL5215)<br>Note: Includes three (3) pairs of AL5201 couplings. | 136.70 | 17.85 |
| 26 05 33 23-0388 | EA | Four Way Fitting (Wiremold #AL5216)<br>Note: Includes four (4) pairs of AL5201 couplings. | 150.04 | 17.85 |
| 26 05 33 23-0389 | EA | Internal Elbow (Wiremold #AL5217)<br>Note: Includes two (2) pairs of AL5201 couplings. | 121.16 | 17.85 |
| 26 05 33 23-0390 | EA | Internal Corner Coupling (Wiremold #AL5217A) | 50.90 | 17.85 |
| 26 05 33 23-0391 | EA | Inverted Internal Elbow (Wiremold #AL5217N) | 124.56 | 17.85 |
| 26 05 33 23-0392 | EA | External Elbow (Wiremold #AL5218)<br>Note: Includes two (2) pairs of AL5201 couplings. | 122.22 | 17.85 |
| 26 05 33 23-0393 | EA | Blank Device Cover Plate (Wiremold #AL5246B) | 26.22 | 3.46 |
| 26 05 33 23-0394 | EA | Receptacle Device Cover Plate (Wiremold #AL5246D) | 31.10 | 3.46 |
| 26 05 33 23-0395 | EA | Double Receptacle Device Cover Plate (Wiremold #AL5246DD) | 36.94 | 3.46 |
| 26 05 33 23-0396 | EA | Device Cover Plate (Wiremold #AL5246F) | 34.64 | 3.46 |
| 26 05 33 23-0397 | EA | Device Cover Plate (Wiremold #AL5246G) | 31.97 | 3.46 |
| 26 05 33 23-0398 | EA | Offset Divider (Wiremold #AL5260) | 29.84 | 7.49 |
| **26 05 33 23-0399** | | **3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)** *(26 05 33 23-0315)* | | |
| 26 05 33 23-0400 | LF | Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10) | 24.91 | 5.18 |
| 26 05 33 23-0401 | EA | Cover Clip (Wiremold #ALA3806) | 11.86 | 3.46 |
| 26 05 33 23-0402 | EA | Blank End Fittings (Wiremold #ALA3810B) | 20.89 | 4.61 |
| 26 05 33 23-0403 | EA | Entrance End Cap Fittings (Wiremold #ALA3810B1) | 22.47 | 4.61 |
| 26 05 33 23-0404 | EA | Flat 90 Degree Elbow (Wiremold #ALA3811)<br>Note: Includes two (2) ALA01 couplings. | 115.67 | 14.40 |
| 26 05 33 23-0405 | EA | Flat Tee Fitting (Wiremold #ALA3815)<br>Note: Includes three (3) ALA01 couplings. | 119.17 | 17.85 |
| 26 05 33 23-0406 | EA | Internal Elbow (Wiremold #ALA3817)<br>Note: Includes two (2) ALA01 couplings. | 116.17 | 17.85 |
| 26 05 33 23-0407 | EA | Inverted Internal Elbow (Wiremold #ALA3817N)<br>Note: Includes two (2) ALA01 couplings. | 136.92 | 17.85 |
| 26 05 33 23-0408 | EA | External Elbow (Wiremold #ALA3818)<br>Note: Includes two (2) ALA01 couplings. | 117.71 | 17.85 |
| **26 05 33 23-0409** | | **6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)** *(26 05 33 23-0315)* | | |
| 26 05 33 23-0410 | LF | Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10) | 41.33 | 5.18 |
| 26 05 33 23-0411 | EA | Cover Clip (Wiremold #ALA4806) | 17.63 | 3.46 |
| 26 05 33 23-0412 | EA | Blank End Fittings (Wiremold #ALA4810B) | 23.07 | 4.61 |
| 26 05 33 23-0413 | EA | Entrance End Cap Fittings (Wiremold #ALA4810B2) | 25.81 | 4.61 |
| 26 05 33 23-0414 | EA | Flat 90 Degree Elbow (Wiremold #ALA4811)<br>Note: Includes four (4) ALA01 couplings. | 154.04 | 14.40 |
| 26 05 33 23-0415 | EA | Flat Tee Fitting (Wiremold #ALA4815)<br>Note: Includes six (6) ALA01 couplings. | 211.27 | 17.85 |
| 26 05 33 23-0416 | EA | Internal Elbow (Wiremold #ALA4817)<br>Note: Includes four (4) ALA01 couplings. | 141.26 | 17.85 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 23-0417 | EA | Inverted Internal Elbow (Wiremold #ALA4817N)<br>Note: Includes four (4) ALA01 couplings. | 167.06 | 17.85 |
| 26 05 33 23-0418 | EA | External Elbow (Wiremold #ALA4818)<br>Note: Includes four (4) ALA01 couplings. | 148.52 | 17.85 |
| **26 05 33 23-0419** | | **Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)** *(26 05 33 23-0315)*<br>See CSI section 26 27 26 00-0010 for receptacles. | | |
| 26 05 33 23-0420 | LF | 3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5)<br>Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway. | 8.93 | 0.57 |
| 26 05 33 23-0421 | EA | Wire Clips (Wiremold #ALAWC) | 7.89 | 2.88 |
| 26 05 33 23-0422 | EA | Slide Couplings (Wiremold #ALA01) | 19.55 | 3.46 |
| 26 05 33 23-0423 | EA | Grounding Adapter (Wiremold #ALA09) | 16.51 | 3.46 |
| 26 05 33 23-0424 | EA | Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI) | 44.84 | 14.40 |
| 26 05 33 23-0425 | EA | Internal Corner Coupling (Wiremold #ALA17A) | 53.33 | 17.85 |
| 26 05 33 23-0426 | EA | Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI) | 50.29 | 14.40 |
| 26 05 33 23-0427 | EA | Blank Cover Plate (Wiremold #ALA-BL) | 21.58 | 3.46 |
| 26 05 33 23-0428 | EA | Duplex Receptacle Cover Plate (Wiremold #ALA-DR) | 23.07 | 3.46 |
| 26 05 33 23-0429 | EA | Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E) | 24.05 | 3.46 |
| 26 05 33 23-0430 | EA | Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F) | 23.13 | 3.46 |
| 26 05 33 23-0431 | EA | GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G) | 23.27 | 3.46 |
| 26 05 33 23-0432 | EA | Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J) | 24.07 | 3.46 |
| 26 05 33 23-0433 | EA | Toggle Switch Cover Plate (Wiremold #ALA-N) | 24.72 | 3.46 |
| 26 05 33 23-0434 | EA | Active LPB Cover Plate (Wiremold #ALA-LPB) | 31.94 | 3.46 |
| 26 05 33 23-0435 | EA | Active MAB Cover Plate (Wiremold #ALA-MAB) | 29.97 | 3.46 |
| 26 05 33 23-0436 | EA | Ortronics Cover Plate (Wiremold #ALA-MABRT) | 34.68 | 3.46 |
| 26 05 33 23-0437 | EA | 1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG) | 22.10 | 3.46 |
| 26 05 33 23-0438 | EA | Active 2A Cover Plate (Wiremold #ALA-2A) | 33.47 | 3.46 |
| 26 05 33 23-0439 | EA | Ortronics Communications Cover Plate (Wiremold #ALA-ABRT) | 30.55 | 3.46 |
| 26 05 33 23-0440 | EA | 3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z) | 24.66 | 3.46 |
| 26 05 33 23-0441 | EA | Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2) | 30.84 | 3.46 |
| **26 05 33 23-0442** | | **Surface Non-Metallic Raceways** *(26 05 33 23-0001)*<br>Note: Exposed on flat wall surface. | | |
| **26 05 33 23-0443** | | **One Piece Surface Non-Metallic Raceways** *(26 05 33 23-0442)*<br>Note: Exposed on flat wall surface. (Wiremold or approved equal). | | |
| **26 05 33 23-0444** | | **7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400)** *(26 05 33 23-0443)* | | |
| 26 05 33 23-0445 | LF | 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC) | 6.52 | 2.31 |
| | | *For Concrete Or Masonry Surface, Add* | *0.23* | |
| 26 05 33 23-0446 | EA | Wire Clip (Wiremold #400WC) | 5.01 | 2.31 |
| 26 05 33 23-0447 | EA | Cover Clip (Wiremold #406) | 5.27 | 2.31 |
| 26 05 33 23-0448 | EA | Blank End Clip (Wiremold #410B) | 10.15 | 4.61 |
| 26 05 33 23-0449 | EA | Flat 90 Degree Elbow (Wiremold #411) | 11.74 | 4.61 |
| 26 05 33 23-0450 | EA | Tee (Wiremold #415) | 14.78 | 5.75 |
| 26 05 33 23-0451 | EA | Internal Elbow (Wiremold #417) | 11.54 | 4.61 |
| 26 05 33 23-0452 | EA | External Elbow (Wiremold #418) | 11.54 | 4.61 |
| **26 05 33 23-0453** | | **1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800)** *(26 05 33 23-0443)* | | |
| 26 05 33 23-0454 | LF | 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC) | 7.51 | 2.31 |
| | | *For Concrete Or Masonry Surface, Add* | *0.23* | |
| 26 05 33 23-0455 | EA | Wire Clip (Wiremold #800WC) | 5.09 | 2.31 |
| 26 05 33 23-0456 | EA | Cover Clip (Wiremold #806) | 5.20 | 2.31 |
| 26 05 33 23-0457 | EA | Entrance End Fitting (Wiremold #810A2) | 15.66 | 4.61 |
| 26 05 33 23-0458 | EA | Blank End Fitting (Wiremold #810B) | 10.25 | 4.61 |
| 26 05 33 23-0459 | EA | Flat 90 Degree Elbow (Wiremold #811) | 11.82 | 4.61 |
| 26 05 33 23-0460 | EA | Tee (Wiremold #815) | 14.85 | 5.75 |
| 26 05 33 23-0461 | EA | Internal Elbow (Wiremold #817) | 11.59 | 4.61 |
| 26 05 33 23-0462 | EA | External Elbow (Wiremold #818) | 11.59 | 4.61 |
| 26 05 33 23-0463 | EA | End Reducer, #800 To #400 (Wiremold #889A) | 13.06 | 4.61 |
| **26 05 33 23-0464** | | **2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300)** *(26 05 33 23-0443)* | | |
| 26 05 33 23-0465 | LF | 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC) | 8.66 | 2.31 |
| | | *For Concrete Or Masonry Surface, Add* | *0.23* | |
| 26 05 33 23-0466 | LF | 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD) | 9.21 | 2.31 |
| | | *For Concrete Or Masonry Surface, Add* | *0.23* | |
| 26 05 33 23-0467 | EA | Wire Clip (Wiremold #2300WC) | 5.34 | 2.31 |
| 26 05 33 23-0468 | EA | Cover Clip (Wiremold #2306) | 5.62 | 2.31 |
| 26 05 33 23-0469 | EA | Entrance End Fitting (Wiremold #2310A) | 17.02 | 4.61 |
| 26 05 33 23-0470 | EA | Blank End Fitting (Wiremold #2310B) | 10.80 | 4.61 |
| 26 05 33 23-0471 | EA | Divided Entrance End Fitting (Wiremold #2310DFO) | 19.15 | 4.61 |
| 26 05 33 23-0472 | EA | Flat 90 Degree Elbow (Wiremold #2311) | 12.05 | 4.61 |
| 26 05 33 23-0473 | EA | Divided Flat 90 Degree Elbow (Wiremold #2311DFO) | 12.95 | 4.61 |
| 26 05 33 23-0474 | EA | Tee (Wiremold #2315) | 14.99 | 5.75 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 23-0475 | EA | Internal Elbow (Wiremold #2317) | 12.05 | 4.61 |
| 26 05 33 23-0476 | EA | Divided Internal Elbow (Wiremold #2317DFO) | 12.96 | 4.61 |
| 26 05 33 23-0477 | EA | External Elbow (Wiremold #2318) | 12.07 | 4.61 |
| 26 05 33 23-0478 | EA | Divided External Elbow (Wiremold #2318DFO) | 13.12 | 4.61 |
| 26 05 33 23-0479 | EA | End Reducer, #2300 To #400 (Wiremold #2389) | 13.14 | 4.61 |
| 26 05 33 23-0480 | EA | End Reducer, #2300 To #800 (Wiremold #2389A) | 13.72 | 4.61 |
| 26 05 33 23-0481 | | One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) *(26 05 33 23-0443)* | | |
| 26 05 33 23-0482 | EA | Blank Cover, 4-1/2" Diameter (Wiremold #2336) | 14.62 | 4.03 |
| 26 05 33 23-0483 | EA | Extension Box, 5-1/2" Diameter (Wiremold #2337A) | 23.98 | 4.61 |
| 26 05 33 23-0484 | EA | -A Fixture Box, 5-1/2" Diameter (Wiremold #233) | 24.11 | 4.61 |
| 26 05 33 23-0485 | EA | Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344) | 21.76 | 4.61 |
| 26 05 33 23-0486 | EA | Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2) | 25.21 | 4.61 |
| 26 05 33 23-0487 | EA | Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D) | 23.71 | 4.61 |
| 26 05 33 23-0488 | EA | Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A) | 25.75 | 4.61 |
| 26 05 33 23-0489 | EA | 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347) | 21.73 | 7.49 |
| 26 05 33 23-0490 | EA | 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2) | 24.77 | 7.49 |
| 26 05 33 23-0491 | EA | 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348) | 22.62 | 7.49 |
| 26 05 33 23-0492 | EA | 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2) | 27.21 | 7.49 |
| 26 05 33 23-0493 | EA | 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3) | 32.53 | 7.49 |
| 26 05 33 23-0494 | EA | 1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP) | 30.84 | 7.49 |
| 26 05 33 23-0495 | EA | 1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D) | 27.93 | 7.49 |
| 26 05 33 23-0496 | EA | Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51) | 21.27 | 7.49 |
| 26 05 33 23-0497 | | 3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) *(26 05 33 23-0443)* | | |
| 26 05 33 23-0498 | LF | 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700) | 6.11 | 2.31 |
| | | *For Concrete Or Masonry Surface, Add* | *0.23* | |
| 26 05 33 23-0499 | EA | 3/4" Wire Clip (Wiremold #2700WC) | 2.63 | 1.15 |
| 26 05 33 23-0500 | EA | Cover Clip (Wiremold #2706) | 3.90 | 1.15 |
| 26 05 33 23-0501 | EA | Blank End (Wiremold #2710B) | 6.19 | 2.31 |
| 26 05 33 23-0502 | EA | Flat 90 Degree Elbow (Wiremold #2711) | 7.37 | 2.88 |
| 26 05 33 23-0503 | EA | Tee (Wiremold #2715) | 12.00 | 5.18 |
| 26 05 33 23-0504 | EA | Internal Elbow (Wiremold #2717) | 8.53 | 3.46 |
| 26 05 33 23-0505 | EA | External Elbow (Wiremold #2718) | 8.51 | 3.46 |
| 26 05 33 23-0506 | EA | Drop Ceiling Connector (Wiremold #2786) | 10.05 | 4.03 |
| 26 05 33 23-0507 | | 1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) *(26 05 33 23-0443)* | | |
| 26 05 33 23-0508 | LF | 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800) | 7.92 | 2.88 |
| | | *For Concrete Or Masonry Surface, Add* | *0.29* | |
| 26 05 33 23-0509 | EA | 1" Wire Clip (Wiremold #2800WC) | 3.93 | 1.72 |
| 26 05 33 23-0510 | EA | Cover Clip (Wiremold #2806) | 5.22 | 1.72 |
| 26 05 33 23-0511 | EA | Blank End (Wiremold #2810B) | 7.51 | 2.88 |
| 26 05 33 23-0512 | EA | Flat 90 Degree Elbow (Wiremold #2811) | 9.90 | 4.03 |
| 26 05 33 23-0513 | EA | Radiused Flat 90 Degree Elbow (Wiremold #2811FO) | 10.53 | 4.03 |
| 26 05 33 23-0514 | EA | Tee (Wiremold #2815) | 14.51 | 6.34 |
| 26 05 33 23-0515 | EA | Internal Elbow (Wiremold #2817) | 11.02 | 4.61 |
| 26 05 33 23-0516 | EA | External Elbow (Wiremold #2818) | 11.05 | 4.61 |
| 26 05 33 23-0517 | EA | Radiused Tee (Wiremold #2815FO) | 15.36 | 6.34 |
| 26 05 33 23-0518 | EA | Radiused Internal Elbow (Wiremold #2817FO) | 11.79 | 4.61 |
| 26 05 33 23-0519 | EA | Radiused External Elbow (Wiremold #2818FO) | 11.68 | 4.61 |
| 26 05 33 23-0520 | EA | Drop Ceiling Connector (Wiremold #2886) | 12.44 | 5.18 |
| 26 05 33 23-0521 | EA | Reducer, #2800 To #2700 (Wiremold #2889) | 11.20 | 4.61 |
| 26 05 33 23-0522 | | 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) *(26 05 33 23-0443)* | | |
| 26 05 33 23-0523 | EA | Radiused Flat 90 Degree Elbow (Wiremold #2911FO) | 12.12 | 4.61 |
| 26 05 33 23-0524 | LF | 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900) | 9.64 | 3.46 |
| | | *For Concrete Or Masonry Surface, Add* | *0.35* | |
| 26 05 33 23-0525 | EA | 1-1/2" Wire Clip (Wiremold #2900WC) | 5.19 | 2.31 |
| 26 05 33 23-0526 | EA | Cover Clip (Wiremold #2906) | 6.50 | 2.31 |
| 26 05 33 23-0527 | EA | Blank End (Wiremold #2910B) | 8.80 | 3.46 |
| 26 05 33 23-0528 | EA | Flat 90 Degree Elbow (Wiremold #2911) | 11.12 | 4.61 |
| 26 05 33 23-0529 | EA | Tee (Wiremold #2915) | 15.73 | 6.91 |
| 26 05 33 23-0530 | EA | Radiused Tee (Wiremold #2915FO) | 16.75 | 6.91 |
| 26 05 33 23-0531 | EA | Internal Elbow (Wiremold #2917) | 12.28 | 5.18 |
| 26 05 33 23-0532 | EA | Radiused Internal Elbow (Wiremold #2917FO) | 13.32 | 5.18 |
| 26 05 33 23-0533 | EA | Radiused External Elbow (Wiremold #2918FO) | 13.61 | 5.18 |
| 26 05 33 23-0534 | EA | External Elbow (Wiremold #2918) | 12.26 | 5.18 |
| 26 05 33 23-0535 | EA | Drop Ceiling Connector (Wiremold #2986) | 12.44 | 5.18 |
| 26 05 33 23-0536 | EA | Reducer, #2900 To #2800 (Wiremold #2989) | 13.82 | 5.75 |
| 26 05 33 23-0537 | EA | Reducer, #2900 To #2700 (Wiremold #2989A) | 13.48 | 5.75 |
| 26 05 33 23-0538 | | Two Piece Surface Non-Metallic Raceways *(26 05 33 23-0442)* | | |
| | | Note: Exposed on flat wall surface. (Wiremold or approved equal). | | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 33 23-0539** | | **5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)** *(26 05 33 23-0538)* | | |
| 26 05 33 23-0540 | LF | 5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B) | 14.85 | 5.18 |
| | | *For Concrete Or Masonry Surface, Add* | *0.52* | |
| 26 05 33 23-0541 | LF | Black, Gray Or White, Cover (Wiremold #5000C) | 14.16 | 5.18 |
| 26 05 33 23-0542 | LF | Oak Veneer, Cover (Wiremold #5000COA) | 25.77 | 5.18 |
| 26 05 33 23-0543 | LF | Maple Wood Veneer, Cover (Wiremold #5000CW) | 21.18 | 5.18 |
| 26 05 33 23-0544 | LF | Black, Gray Or White, Quarter Round Trim (Wiremold #5000T) | 1.97 | 0.57 |
| 26 05 33 23-0545 | LF | Oak Veneer, Quarter Round Trim (Wiremold #5000TOA) | 7.80 | 0.57 |
| 26 05 33 23-0546 | LF | Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW) | 4.88 | 0.57 |
| 26 05 33 23-0547 | EA | Base Coupling (Wiremold #5001) | 13.88 | 5.75 |
| 26 05 33 23-0548 | EA | Blank/Coax Adapter (Wiremold #5004) | 7.71 | 2.88 |
| 26 05 33 23-0549 | EA | Low Voltage Blank Plate (Wiremold #5005) | 10.23 | 3.46 |
| 26 05 33 23-0550 | EA | Cover Clip (Wiremold #5006) | 14.85 | 5.75 |
| 26 05 33 23-0551 | EA | Internal Wire Guard (Wiremold #5006A) | 13.96 | 5.75 |
| 26 05 33 23-0552 | EA | Device Bracket (Wiremold #5007C) | 15.79 | 5.75 |
| 26 05 33 23-0553 | EA | Device Plate (Wiremold #5007C-1) | 28.80 | 11.52 |
| 26 05 33 23-0554 | EA | Deep Device Plate (Wiremold #5007C-2) | 29.74 | 11.52 |
| 26 05 33 23-0555 | EA | Right Or Left End Cap (Wiremold #5010) | 25.29 | 10.95 |
| 26 05 33 23-0556 | EA | Entrance End Feed (Wiremold #5010A) | 48.34 | 17.85 |
| 26 05 33 23-0557 | EA | Internal Base Elbow (Wiremold #5017B) | 33.97 | 14.40 |
| 26 05 33 23-0558 | EA | Internal Cover Elbow (Wiremold #5017C) | 30.36 | 11.52 |
| 26 05 33 23-0559 | EA | Internal Elbow Wire Guard (Wiremold #5017WG) | 20.94 | 8.64 |
| 26 05 33 23-0560 | EA | External Base Elbow (Wiremold #5018B) | 33.90 | 14.40 |
| 26 05 33 23-0561 | EA | External Cover Elbow (Wiremold #5018C) | 30.61 | 11.52 |
| 26 05 33 23-0562 | EA | External Elbow Wire Guard (Wiremold #5018WG) | 13.71 | 5.75 |
| **26 05 33 23-0563** | | **5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)** *(26 05 33 23-0538)* | | |
| 26 05 33 23-0564 | LF | 5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB) | 16.18 | 5.18 |
| | | *For Concrete Or Masonry Surface, Add* | *0.52* | |
| 26 05 33 23-0565 | LF | Full Width Cover (Wiremold #5400C) | 5.41 | 0.57 |
| 26 05 33 23-0566 | LF | Twin Snap Cover (Wiremold #5400TC) | 3.51 | 0.57 |
| 26 05 33 23-0567 | EA | Twin Snap Cover Wire Clips (Wiremold #5400TWC) | 6.37 | 2.88 |
| 26 05 33 23-0568 | EA | Cover Clip (Wiremold #5406A) | 10.52 | 3.46 |
| 26 05 33 23-0569 | EA | Twin Cover Clip (Wiremold #5406T) | 8.96 | 3.46 |
| 26 05 33 23-0570 | EA | Base Seam Clip (Wiremold #5406TB) | 8.07 | 3.46 |
| 26 05 33 23-0571 | EA | L Or R (Left Or Right) Transition Fitting (Wiremold #5408) | 59.66 | 17.85 |
| 26 05 33 23-0572 | EA | End Cap (Wiremold #5410) | 29.59 | 10.95 |
| 26 05 33 23-0573 | EA | Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO) | 57.37 | 17.85 |
| 26 05 33 23-0574 | EA | Radiused Flat 90 Degree Elbow (Wiremold #5411FO) | 52.03 | 14.40 |
| 26 05 33 23-0575 | EA | Tee Fitting (Wiremold #5415) | 60.21 | 17.85 |
| 26 05 33 23-0576 | EA | Radiused Tee Fitting (Wiremold #5415FO) | 62.91 | 17.85 |
| 26 05 33 23-0577 | EA | Radiused Internal Elbow (Wiremold #5417FO) | 50.32 | 17.85 |
| 26 05 33 23-0578 | EA | External Elbow (Wiremold #5418) | 50.99 | 17.85 |
| 26 05 33 23-0579 | EA | Radiused External Elbow (Wiremold #5418FO) | 51.62 | 17.85 |
| 26 05 33 23-0580 | EA | 5-5/32" x 6" Device Bracket (Wiremold #5450) | 23.88 | 5.75 |
| 26 05 33 23-0581 | EA | 7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3) | 31.24 | 5.75 |
| 26 05 33 23-0582 | EA | 2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T) | 18.45 | 5.75 |
| 26 05 33 23-0583 | EA | Transition Fitting (Wiremold #5474) | 52.89 | 17.85 |
| **26 05 33 23-0584** | | **6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500)** *(26 05 33 23-0538)* | | |
| 26 05 33 23-0585 | LF | 6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3) | 20.03 | 5.18 |
| | | *For Concrete Or Masonry Surface, Add* | *0.52* | |
| 26 05 33 23-0586 | LF | Cover (Wiremold #5500C) | 7.08 | 0.57 |
| 26 05 33 23-0587 | EA | Wire Clips (Wiremold #5500WC) | 7.35 | 2.88 |
| 26 05 33 23-0588 | EA | Cover Clip (Wiremold #5506) | 11.76 | 3.46 |
| 26 05 33 23-0589 | EA | Base Seam Clip Fitting (Wiremold #5506B) | 8.49 | 3.46 |
| 26 05 33 23-0590 | EA | Modular Furniture Adapter (Wiremold #5507AD) | 11.00 | 3.46 |
| 26 05 33 23-0591 | EA | Blank Faceplate (Wiremold #5507B) | 11.04 | 3.46 |
| 26 05 33 23-0592 | EA | Duplex Receptacle Faceplate (Wiremold #5507D) | 11.10 | 3.46 |
| 26 05 33 23-0593 | EA | Dual RJ Connector Faceplate (Wiremold #5507FRJ) | 11.10 | 3.46 |
| 26 05 33 23-0594 | EA | Rectangular Receptacle Faceplate (Wiremold #5507R) | 10.99 | 3.46 |
| 26 05 33 23-0595 | EA | Dual RJ Connector Faceplate (Wiremold #5507RJ) | 11.01 | 3.46 |
| 26 05 33 23-0596 | EA | Rectangular Spacer Fitting (Wiremold #5507S) | 10.93 | 3.46 |
| 26 05 33 23-0597 | EA | Switch Faceplate (Wiremold #5507SW) | 10.96 | 3.46 |
| 26 05 33 23-0598 | EA | Twistlock Faceplate (Wiremold #5507T1) | 11.04 | 3.46 |
| 26 05 33 23-0599 | EA | Single Receptacle Faceplate (Wiremold #5507T2) | 10.82 | 3.46 |
| 26 05 33 23-0600 | EA | 6-5/8" x 6" Device Bracket (Wiremold #5550) | 28.39 | 5.75 |
| 26 05 33 23-0601 | EA | 9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4) | 37.88 | 5.75 |
| 26 05 33 23-0602 | EA | End Cap (Wiremold #5510) | 31.97 | 10.95 |
| 26 05 33 23-0603 | EA | Entrance End Fitting (Wiremold #5510D) | 64.98 | 17.85 |
| 26 05 33 23-0604 | EA | Radiused Flat 90 Degree Elbow (Wiremold #5511FO) | 59.05 | 14.40 |
| 26 05 33 23-0605 | EA | Backfeed Connector (Wiremold #5514A) | 47.84 | 14.40 |
| 26 05 33 23-0606 | EA | Tee Fitting (Wiremold #5515) | 68.17 | 17.85 |
| 26 05 33 23-0607 | EA | Radiused Internal Elbow (Wiremold #5517FO) | 55.18 | 17.85 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 33 23-0608 | EA | External Elbow (Wiremold #5518) | 56.48 | 17.85 |
| 26 05 33 23-0609 | EA | Radiused External Elbow (Wiremold #5518FO) | 59.22 | 17.85 |
| 26 05 33 23-0610 | EA | Transition Fitting (Wiremold #5574) | 53.88 | 17.85 |
| 26 05 33 23-0611 | EA | Transition Fitting (Wiremold #5574A) | 71.62 | 17.85 |
| 26 05 33 23-0612 | | Surface Cable Protection System *(26 05 33 23)* | | |
| 26 05 33 23-0613 | EA | 35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-3)<br>Note: Modular interlocking design with hinged lid. | 644.74 | |
| 26 05 33 23-0614 | EA | 35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-5)<br>Note: Modular interlocking design with hinged lid. | 486.07 | |

## 26 05 36 Cable Trays for Electrical Systems *(26 05)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0001 | | Cable Trays *(26 05 36)*<br>Note: Excludes supporting hangers. | | |
| 26 05 36 00-0002 | | Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0001)* | | |
| 26 05 36 00-0003 | | 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0002)* | | |
| 26 05 36 00-0004 | | 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)* | | |
| 26 05 36 00-0005 | LF | 6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 43.52 | 12.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.34* | |
| 26 05 36 00-0006 | LF | 9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 47.03 | 12.99 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.62* | |
| 26 05 36 00-0007 | LF | 12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 51.43 | 13.99 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.97* | |
| 26 05 36 00-0008 | LF | 18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 57.31 | 14.87 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-4.50* | |
| 26 05 36 00-0009 | LF | 24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 63.00 | 15.38 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-5.02* | |
| 26 05 36 00-0010 | LF | 30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 76.85 | 17.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-6.21* | |
| 26 05 36 00-0011 | LF | 36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 86.20 | 20.29 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-6.93* | |
| 26 05 36 00-0012 | | 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)* | | |
| 26 05 36 00-0013 | LF | 6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 41.00 | 11.86 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.11* | |
| 26 05 36 00-0014 | LF | 9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 44.39 | 12.61 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.39* | |
| 26 05 36 00-0015 | LF | 12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 47.35 | 13.74 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.59* | |
| 26 05 36 00-0016 | LF | 18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 51.96 | 14.50 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.99* | |
| 26 05 36 00-0017 | LF | 24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 56.08 | 15.00 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-4.36* | |
| 26 05 36 00-0018 | LF | 30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 65.95 | 17.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-5.16* | |
| 26 05 36 00-0019 | LF | 36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 72.05 | 18.91 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-5.63* | |
| 26 05 36 00-0020 | | 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)* | | |
| 26 05 36 00-0021 | LF | 6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 39.49 | 11.72 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-2.98* | |
| 26 05 36 00-0022 | LF | 9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 40.66 | 12.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.06* | |
| 26 05 36 00-0023 | LF | 12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 44.84 | 12.86 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.41* | |
| 26 05 36 00-0024 | LF | 18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 49.16 | 13.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.79* | |
| 26 05 36 00-0025 | LF | 24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 53.34 | 13.87 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-4.18* | |
| 26 05 36 00-0026 | LF | 30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 58.15 | 15.13 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-4.56* | |
| 26 05 36 00-0027 | LF | 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 62.47 | 16.38 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-4.88* | |
| 26 05 36 00-0028 | | 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)* | | |
| 26 05 36 00-0029 | LF | 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 38.32 | 11.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-2.90* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 36 00-0030 | | LF | 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 39.12 | 11.47 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-2.96* | |
| 26 05 36 00-0031 | | LF | 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 41.44 | 12.11 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.14* | |
| 26 05 36 00-0032 | | LF | 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 43.90 | 12.74 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.33* | |
| 26 05 36 00-0033 | | LF | 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 45.77 | 12.74 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.52* | |
| 26 05 36 00-0034 | | LF | 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 50.61 | 13.74 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.92* | |
| 26 05 36 00-0035 | | LF | 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 53.31 | 14.37 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-4.13* | |

### 26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 36 00-0037 | | LF | 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 37.81 | 10.96 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-2.86* | |
| 26 05 36 00-0038 | | LF | 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 38.46 | 11.22 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-2.91* | |
| 26 05 36 00-0039 | | LF | 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 40.77 | 11.86 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.09* | |
| 26 05 36 00-0040 | | LF | 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 42.81 | 12.36 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.25* | |
| 26 05 36 00-0041 | | LF | 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 43.54 | 12.48 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.31* | |
| 26 05 36 00-0042 | | LF | 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 46.24 | 13.36 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.51* | |
| 26 05 36 00-0043 | | LF | 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray | 48.24 | 14.12 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-3.65* | |

### 26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

### 26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 36 00-0046 | | EA | 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 336.81 | 126.45 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.15* | |
| 26 05 36 00-0047 | | EA | 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 376.18 | 143.97 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.62* | |
| 26 05 36 00-0048 | | EA | 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 413.44 | 159.22 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.08* | |
| 26 05 36 00-0049 | | EA | 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 517.44 | 195.15 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.48* | |
| 26 05 36 00-0050 | | EA | 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 589.64 | 224.03 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.29* | |
| 26 05 36 00-0051 | | EA | 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 704.50 | 252.14 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.44* | |
| 26 05 36 00-0052 | | EA | 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 812.62 | 288.19 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.25* | |

### 26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 36 00-0054 | | EA | 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 479.44 | 131.49 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.99* | |
| 26 05 36 00-0055 | | EA | 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 520.21 | 151.15 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.42* | |
| 26 05 36 00-0056 | | EA | 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 558.43 | 168.05 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-41.84* | |
| 26 05 36 00-0057 | | EA | 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 648.17 | 208.76 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-47.42* | |
| 26 05 36 00-0058 | | EA | 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 725.87 | 242.17 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-52.41* | |
| 26 05 36 00-0059 | | EA | 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 808.44 | 274.82 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.94* | |
| 26 05 36 00-0060 | | EA | 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 947.01 | 318.32 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-68.17* | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0061 | | 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)* | | |
| 26 05 36 00-0062 | EA | 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 517.34 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.28* | |
| 26 05 36 00-0063 | EA | 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 569.37 | 159.10 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.68* | |
| 26 05 36 00-0064 | EA | 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 615.09 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.67* | |
| 26 05 36 00-0065 | EA | 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 737.78 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.11* | |
| 26 05 36 00-0066 | EA | 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 838.74 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-61.96* | |
| 26 05 36 00-0067 | EA | 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 984.75 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.26* | |
| 26 05 36 00-0068 | EA | 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,116.94 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-82.07* | |
| 26 05 36 00-0069 | | 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)* | | |
| 26 05 36 00-0070 | EA | 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 250.79 | 91.65 |
| | | *For 60 Degree Bend, Deduct* | *-47.64* | |
| | | *For 30 Degree Bend, Deduct* | *-84.49* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-17.44* | |
| 26 05 36 00-0071 | EA | 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 285.23 | 109.93 |
| | | *For 60 Degree Bend, Deduct* | *-52.01* | |
| | | *For 30 Degree Bend, Deduct* | *-92.78* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-19.37* | |
| 26 05 36 00-0072 | EA | 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 316.23 | 126.07 |
| | | *For 60 Degree Bend, Deduct* | *-56.03* | |
| | | *For 30 Degree Bend, Deduct* | *-100.38* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.12* | |
| 26 05 36 00-0073 | EA | 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 377.62 | 159.35 |
| | | *For 60 Degree Bend, Deduct* | *-63.55* | |
| | | *For 30 Degree Bend, Deduct* | *-114.76* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.49* | |
| 26 05 36 00-0074 | EA | 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 469.39 | 195.15 |
| | | *For 60 Degree Bend, Deduct* | *-80.09* | |
| | | *For 30 Degree Bend, Deduct* | *-144.33* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.68* | |
| 26 05 36 00-0075 | EA | 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 557.60 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-98.12* | |
| | | *For 30 Degree Bend, Deduct* | *-175.98* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.09* | |
| 26 05 36 00-0076 | EA | 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 630.53 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-107.26* | |
| | | *For 30 Degree Bend, Deduct* | *-193.37* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-41.14* | |
| 26 05 36 00-0077 | | 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)* | | |
| 26 05 36 00-0078 | EA | 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 281.62 | 94.55 |
| | | *For 60 Degree Bend, Deduct* | *-56.71* | |
| | | *For 30 Degree Bend, Deduct* | *-99.77* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-20.29* | |
| 26 05 36 00-0079 | EA | 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 322.10 | 113.96 |
| | | *For 60 Degree Bend, Deduct* | *-62.60* | |
| | | *For 30 Degree Bend, Deduct* | *-110.67* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-22.71* | |
| 26 05 36 00-0080 | EA | 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 367.48 | 131.61 |
| | | *For 60 Degree Bend, Deduct* | *-70.82* | |
| | | *For 30 Degree Bend, Deduct* | *-125.35* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.78* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0081 | EA | 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 432.30 | 168.05 |
| | | *For 60 Degree Bend, Deduct* | *-78.22* | |
| | | *For 30 Degree Bend, Deduct* | *-139.71* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.22* | |
| 26 05 36 00-0082 | EA | 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 532.05 | 208.76 |
| | | *For 60 Degree Bend, Deduct* | *-95.57* | |
| | | *For 30 Degree Bend, Deduct* | *-170.87* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.81* | |
| 26 05 36 00-0083 | EA | 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 623.77 | 242.17 |
| | | *For 60 Degree Bend, Deduct* | *-113.03* | |
| | | *For 30 Degree Bend, Deduct* | *-201.83* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.20* | |
| 26 05 36 00-0084 | EA | 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 732.69 | 288.31 |
| | | *For 60 Degree Bend, Deduct* | *-131.29* | |
| | | *For 30 Degree Bend, Deduct* | *-234.83* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.25* | |

## 26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0086 | EA | 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 340.73 | 97.58 |
| | | *For 60 Degree Bend, Deduct* | *-75.05* | |
| | | *For 30 Degree Bend, Deduct* | *-130.51* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.95* | |
| 26 05 36 00-0087 | EA | 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 385.66 | 118.50 |
| | | *For 60 Degree Bend, Deduct* | *-81.85* | |
| | | *For 30 Degree Bend, Deduct* | *-143.00* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.69* | |
| 26 05 36 00-0088 | EA | 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 421.41 | 137.54 |
| | | *For 60 Degree Bend, Deduct* | *-86.34* | |
| | | *For 30 Degree Bend, Deduct* | *-151.55* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.68* | |
| 26 05 36 00-0089 | EA | 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 504.98 | 178.01 |
| | | *For 60 Degree Bend, Deduct* | *-98.39* | |
| | | *For 30 Degree Bend, Deduct* | *-173.87* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.66* | |
| 26 05 36 00-0090 | EA | 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 593.64 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-110.01* | |
| | | *For 30 Degree Bend, Deduct* | *-195.81* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.69* | |
| 26 05 36 00-0091 | EA | 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 722.62 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-137.65* | |
| | | *For 30 Degree Bend, Deduct* | *-244.02* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-50.35* | |
| 26 05 36 00-0092 | EA | 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 846.91 | 318.32 |
| | | *For 60 Degree Bend, Deduct* | *-157.44* | |
| | | *For 30 Degree Bend, Deduct* | *-280.09* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-58.16* | |

## 26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0094 | EA | 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 365.63 | 126.07 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.06* | |
| 26 05 36 00-0095 | EA | 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 399.13 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.91* | |
| 26 05 36 00-0096 | EA | 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 429.74 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.71* | |
| 26 05 36 00-0097 | EA | 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 496.85 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.42* | |
| 26 05 36 00-0098 | EA | 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 552.17 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.55* | |
| 26 05 36 00-0099 | EA | 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 613.27 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.32* | |
| 26 05 36 00-0100 | EA | 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 679.91 | 287.81 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.01* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 36 00-0101** | | **24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)* | | |
| 26 05 36 00-0102 | EA | 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 439.04 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.95* | |
| 26 05 36 00-0103 | EA | 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 477.36 | 151.28 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.13* | |
| 26 05 36 00-0104 | EA | 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 514.31 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.42* | |
| 26 05 36 00-0105 | EA | 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 594.54 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.06* | |
| 26 05 36 00-0106 | EA | 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 662.74 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.10* | |
| 26 05 36 00-0107 | EA | 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 731.58 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-50.25* | |
| 26 05 36 00-0108 | EA | 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 838.04 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.27* | |
| **26 05 36 00-0109** | | **36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)* | | |
| 26 05 36 00-0110 | EA | 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 525.77 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-41.12* | |
| 26 05 36 00-0111 | EA | 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 572.74 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.01* | |
| 26 05 36 00-0112 | EA | 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 607.79 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-45.94* | |
| 26 05 36 00-0113 | EA | 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 709.47 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-52.28* | |
| 26 05 36 00-0114 | EA | 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 777.96 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.88* | |
| 26 05 36 00-0115 | EA | 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 890.37 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-63.82* | |
| 26 05 36 00-0116 | EA | 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,003.54 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-70.73* | |
| **26 05 36 00-0117** | | **12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)* | | |
| 26 05 36 00-0118 | EA | 6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 652.66 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-45.09* | |
| 26 05 36 00-0119 | EA | 9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 706.04 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.69* | |
| 26 05 36 00-0120 | EA | 12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 740.66 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.16* | |
| 26 05 36 00-0121 | EA | 18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 827.74 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.56* | |
| 26 05 36 00-0122 | EA | 24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 939.04 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-65.91* | |
| 26 05 36 00-0123 | EA | 30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,047.14 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-75.04* | |
| 26 05 36 00-0124 | EA | 36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,185.08 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-84.91* | |
| **26 05 36 00-0125** | | **24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)* | | |
| 26 05 36 00-0126 | EA | 6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 828.73 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-60.96* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0127 | EA | 9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 889.42 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-64.92* | |
| 26 05 36 00-0128 | EA | 12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 928.12 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-67.60* | |
| 26 05 36 00-0129 | EA | 18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,017.11 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.72* | |
| 26 05 36 00-0130 | EA | 24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,128.55 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-81.34* | |
| 26 05 36 00-0131 | EA | 30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,214.83 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-87.88* | |
| 26 05 36 00-0132 | EA | 36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,471.54 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-108.34* | |

## 26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0134 | EA | 6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,064.16 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-82.39* | |
| 26 05 36 00-0135 | EA | 9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,136.62 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-87.13* | |
| 26 05 36 00-0136 | EA | 12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,206.73 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-92.68* | |
| 26 05 36 00-0137 | EA | 18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,325.60 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-101.04* | |
| 26 05 36 00-0138 | EA | 24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,504.06 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-114.43* | |
| 26 05 36 00-0139 | EA | 30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,631.42 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-124.33* | |
| 26 05 36 00-0140 | EA | 36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,834.53 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-137.64* | |

## 26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0142 | EA | 6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 797.27 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-61.06* | |
| 26 05 36 00-0143 | EA | 9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 815.70 | 232.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-62.16* | |
| 26 05 36 00-0144 | EA | 12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 834.84 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-63.31* | |
| 26 05 36 00-0145 | EA | 18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 877.06 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-65.79* | |
| 26 05 36 00-0146 | EA | 24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 904.25 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-67.52* | |
| 26 05 36 00-0147 | EA | 30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 980.17 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-72.80* | |
| 26 05 36 00-0148 | EA | 36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,054.29 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-77.44* | |

## 26 05 36 00-0149 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0150 | EA | 6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,169.46 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-96.77* | |
| 26 05 36 00-0151 | EA | 9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,197.28 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-98.72* | |
| 26 05 36 00-0152 | EA | 12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,226.55 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-100.74* | |
| 26 05 36 00-0153 | EA | 18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,290.96 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-105.07* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0154 | EA | 24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,337.10 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-108.50* | |
| 26 05 36 00-0155 | EA | 30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,414.94 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-113.50* | |
| 26 05 36 00-0156 | EA | 36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,522.66 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-120.75* | |

### 26 05 36 00-0157 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0158 | EA | 6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,869.77 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-165.06* | |
| 26 05 36 00-0159 | EA | 9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,908.11 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-167.91* | |
| 26 05 36 00-0160 | EA | 12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,949.05 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-170.88* | |
| 26 05 36 00-0161 | EA | 18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,017.79 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-175.25* | |
| 26 05 36 00-0162 | EA | 24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,065.59 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-178.57* | |
| 26 05 36 00-0163 | EA | 30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,191.90 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-187.67* | |
| 26 05 36 00-0164 | EA | 36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,299.71 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-193.99* | |

### 26 05 36 00-0165 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0166 | EA | 6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 812.86 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.07* | |
| 26 05 36 00-0167 | EA | 9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 854.06 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-58.88* | |
| 26 05 36 00-0168 | EA | 12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 913.01 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-63.31* | |
| 26 05 36 00-0169 | EA | 18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 980.21 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-68.34* | |
| 26 05 36 00-0170 | EA | 24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,103.29 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-76.73* | |
| 26 05 36 00-0171 | EA | 30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,236.36 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-87.66* | |
| 26 05 36 00-0172 | EA | 36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,352.57 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-96.44* | |

### 26 05 36 00-0173 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0174 | EA | 6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,158.40 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-87.85* | |
| 26 05 36 00-0175 | EA | 9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,210.73 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-91.40* | |
| 26 05 36 00-0176 | EA | 12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,266.12 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-95.10* | |
| 26 05 36 00-0177 | EA | 18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,348.67 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-101.27* | |
| 26 05 36 00-0178 | EA | 24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,497.57 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-110.94* | |
| 26 05 36 00-0179 | EA | 30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,610.07 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-118.98* | |
| 26 05 36 00-0180 | EA | 36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,808.51 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-135.04* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0181 | | 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)* | | |
| 26 05 36 00-0182 | EA | 6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,466.89 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-115.17* | |
| 26 05 36 00-0183 | EA | 9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,545.73 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-120.97* | |
| 26 05 36 00-0184 | EA | 12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,630.47 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-127.07* | |
| 26 05 36 00-0185 | EA | 18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,780.14 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-139.20* | |
| 26 05 36 00-0186 | EA | 24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,031.59 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-157.35* | |
| 26 05 36 00-0187 | EA | 30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,215.28 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-171.18* | |
| 26 05 36 00-0188 | EA | 36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,422.89 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-186.21* | |
| 26 05 36 00-0189 | | 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)* | | |
| 26 05 36 00-0190 | EA | 6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 951.73 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-69.96* | |
| 26 05 36 00-0191 | EA | 9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 999.79 | 318.45 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.44* | |
| 26 05 36 00-0192 | EA | 12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,071.85 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-79.20* | |
| 26 05 36 00-0193 | EA | 18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,154.43 | 356.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-85.76* | |
| 26 05 36 00-0194 | EA | 24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,297.37 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-96.14* | |
| 26 05 36 00-0195 | EA | 30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,469.25 | 431.91 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-110.93* | |
| 26 05 36 00-0196 | EA | 36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,610.94 | 465.19 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-122.33* | |
| 26 05 36 00-0197 | | 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)* | | |
| 26 05 36 00-0198 | EA | 6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,427.77 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-114.79* | |
| 26 05 36 00-0199 | EA | 9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,488.46 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-119.17* | |
| 26 05 36 00-0200 | EA | 12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,552.22 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-123.71* | |
| 26 05 36 00-0201 | EA | 18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,653.18 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-131.72* | |
| 26 05 36 00-0202 | EA | 24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,822.15 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-143.40* | |
| 26 05 36 00-0203 | EA | 30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,956.41 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-153.62* | |
| 26 05 36 00-0204 | EA | 36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,210.05 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-175.20* | |
| 26 05 36 00-0205 | | 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)* | | |
| 26 05 36 00-0206 | EA | 6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,843.34 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-152.82* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0207 | EA | 9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,938.91 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-160.29* | |
| 26 05 36 00-0208 | EA | 12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,040.38 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-168.06* | |
| 26 05 36 00-0209 | EA | 18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,231.87 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-184.37* | |
| 26 05 36 00-0210 | EA | 24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,533.52 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-207.54* | |
| 26 05 36 00-0211 | EA | 30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,759.03 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-225.56* | |
| 26 05 36 00-0212 | EA | 36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 3,008.47 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-244.77* | |

### 26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

### 26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0215 | EA | 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 318.79 | 126.45 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.35* | |
| 26 05 36 00-0216 | EA | 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 356.73 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.67* | |
| 26 05 36 00-0217 | EA | 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 392.27 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.96* | |
| 26 05 36 00-0218 | EA | 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 489.99 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.74* | |
| 26 05 36 00-0219 | EA | 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 558.75 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.20* | |
| 26 05 36 00-0220 | EA | 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 663.89 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-45.38* | |
| 26 05 36 00-0221 | EA | 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 765.15 | 288.19 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-52.50* | |

### 26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0223 | EA | 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 442.26 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.27* | |
| 26 05 36 00-0224 | EA | 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 481.88 | 151.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.59* | |
| 26 05 36 00-0225 | EA | 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 518.67 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.86* | |
| 26 05 36 00-0226 | EA | 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 605.27 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.13* | |
| 26 05 36 00-0227 | EA | 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 679.83 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-47.81* | |
| 26 05 36 00-0228 | EA | 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 758.39 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-52.93* | |
| 26 05 36 00-0229 | EA | 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 887.52 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-62.22* | |

### 26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0231 | EA | 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 476.15 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.16* | |
| 26 05 36 00-0232 | EA | 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 525.90 | 159.10 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.34* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0233 | EA | 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 569.61 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.12* | |
| 26 05 36 00-0234 | EA | 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 685.73 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.90* | |
| 26 05 36 00-0235 | EA | 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 781.54 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.24* | |
| 26 05 36 00-0236 | EA | 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 916.11 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-66.40* | |
| 26 05 36 00-0237 | EA | 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,042.01 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-74.58* | |
| **26 05 36 00-0238** | | **12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)* | | |
| 26 05 36 00-0239 | EA | 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 236.77 | 91.65 |
| | | *For 60 Degree Bend, Deduct* | *-43.02* | |
| | | *For 30 Degree Bend, Deduct* | *-76.78* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-16.04* | |
| 26 05 36 00-0240 | EA | 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 270.65 | 109.93 |
| | | *For 60 Degree Bend, Deduct* | *-47.19* | |
| | | *For 30 Degree Bend, Deduct* | *-84.76* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-17.91* | |
| 26 05 36 00-0241 | EA | 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 301.07 | 126.07 |
| | | *For 60 Degree Bend, Deduct* | *-51.03* | |
| | | *For 30 Degree Bend, Deduct* | *-92.05* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-19.60* | |
| 26 05 36 00-0242 | EA | 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 361.61 | 159.35 |
| | | *For 60 Degree Bend, Deduct* | *-58.26* | |
| | | *For 30 Degree Bend, Deduct* | *-105.96* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-22.89* | |
| 26 05 36 00-0243 | EA | 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 448.80 | 195.15 |
| | | *For 60 Degree Bend, Deduct* | *-73.30* | |
| | | *For 30 Degree Bend, Deduct* | *-133.00* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.62* | |
| 26 05 36 00-0244 | EA | 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 531.29 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-89.44* | |
| | | *For 30 Degree Bend, Deduct* | *-161.51* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-34.46* | |
| 26 05 36 00-0245 | EA | 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 603.08 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-98.20* | |
| | | *For 30 Degree Bend, Deduct* | *-178.28* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-38.39* | |
| **26 05 36 00-0246** | | **24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)* | | |
| 26 05 36 00-0247 | EA | 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 263.89 | 94.55 |
| | | *For 60 Degree Bend, Deduct* | *-50.86* | |
| | | *For 30 Degree Bend, Deduct* | *-90.01* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-18.51* | |
| 26 05 36 00-0248 | EA | 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 303.23 | 113.96 |
| | | *For 60 Degree Bend, Deduct* | *-56.37* | |
| | | *For 30 Degree Bend, Deduct* | *-100.29* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-20.82* | |
| 26 05 36 00-0249 | EA | 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 346.31 | 131.61 |
| | | *For 60 Degree Bend, Deduct* | *-63.84* | |
| | | *For 30 Degree Bend, Deduct* | *-113.71* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.66* | |
| 26 05 36 00-0250 | EA | 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 410.57 | 168.05 |
| | | *For 60 Degree Bend, Deduct* | *-71.05* | |
| | | *For 30 Degree Bend, Deduct* | *-127.76* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.05* | |
| 26 05 36 00-0251 | EA | 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 505.74 | 208.76 |
| | | *For 60 Degree Bend, Deduct* | *-86.88* | |
| | | *For 30 Degree Bend, Deduct* | *-156.40* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0252 | EA | 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 592.31 | 242.17 |
| | | *For 60 Degree Bend, Deduct* | *-102.65* | |
| | | *For 30 Degree Bend, Deduct* | *-184.53* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.05* | |
| 26 05 36 00-0253 | EA | 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 696.66 | 288.31 |
| | | *For 60 Degree Bend, Deduct* | *-119.40* | |
| | | *For 30 Degree Bend, Deduct* | *-215.01* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-45.64* | |

## 26 05 36 00-0254 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0255 | EA | 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 315.27 | 97.58 |
| | | *For 60 Degree Bend, Deduct* | *-66.65* | |
| | | *For 30 Degree Bend, Deduct* | *-116.51* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.40* | |
| 26 05 36 00-0256 | EA | 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 358.77 | 118.50 |
| | | *For 60 Degree Bend, Deduct* | *-72.98* | |
| | | *For 30 Degree Bend, Deduct* | *-128.21* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.00* | |
| 26 05 36 00-0257 | EA | 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 393.96 | 137.54 |
| | | *For 60 Degree Bend, Deduct* | *-77.29* | |
| | | *For 30 Degree Bend, Deduct* | *-136.45* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.94* | |
| 26 05 36 00-0258 | EA | 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 475.23 | 178.01 |
| | | *For 60 Degree Bend, Deduct* | *-88.57* | |
| | | *For 30 Degree Bend, Deduct* | *-157.51* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.68* | |
| 26 05 36 00-0259 | EA | 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 562.18 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-99.63* | |
| | | *For 30 Degree Bend, Deduct* | *-178.50* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.55* | |
| 26 05 36 00-0260 | EA | 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 682.01 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-124.25* | |
| | | *For 30 Degree Bend, Deduct* | *-221.69* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.28* | |
| 26 05 36 00-0261 | EA | 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 801.72 | 318.32 |
| | | *For 60 Degree Bend, Deduct* | *-142.53* | |
| | | *For 30 Degree Bend, Deduct* | *-255.24* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.64* | |

## 26 05 36 00-0262 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0263 | EA | 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 353.19 | 126.07 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.81* | |
| 26 05 36 00-0264 | EA | 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 386.40 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.64* | |
| 26 05 36 00-0265 | EA | 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 416.58 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.39* | |
| 26 05 36 00-0266 | EA | 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 483.12 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.05* | |
| 26 05 36 00-0267 | EA | 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 537.87 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.12* | |
| 26 05 36 00-0268 | EA | 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 597.83 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-38.77* | |
| 26 05 36 00-0269 | EA | 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 663.89 | 287.81 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.40* | |

## 26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0271 | EA | 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 421.45 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.19* | |
| 26 05 36 00-0272 | EA | 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 459.35 | 151.28 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0273 | EA | 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 495.58 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.55* | |
| 26 05 36 00-0274 | EA | 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 574.81 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.09* | |
| 26 05 36 00-0275 | EA | 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 642.00 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.02* | |
| 26 05 36 00-0276 | EA | 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 709.70 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.07* | |
| 26 05 36 00-0277 | EA | 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 813.44 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-54.81* | |

## 26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0279 | EA | 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 502.04 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-38.75* | |
| 26 05 36 00-0280 | EA | 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 548.14 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-41.55* | |
| 26 05 36 00-0281 | EA | 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 582.91 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.45* | |
| 26 05 36 00-0282 | EA | 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 682.59 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.59* | |
| 26 05 36 00-0283 | EA | 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 750.79 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.16* | |
| 26 05 36 00-0284 | EA | 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 859.48 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-60.73* | |
| 26 05 36 00-0285 | EA | 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 970.65 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-67.44* | |

## 26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0287 | EA | 6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 633.49 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.17* | |
| 26 05 36 00-0288 | EA | 9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 685.44 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.63* | |
| 26 05 36 00-0289 | EA | 12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 718.92 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.99* | |
| 26 05 36 00-0290 | EA | 18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 802.85 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.07* | |
| 26 05 36 00-0291 | EA | 24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 909.86 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-63.00* | |
| 26 05 36 00-0292 | EA | 30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,012.24 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-71.55* | |
| 26 05 36 00-0293 | EA | 36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,145.62 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-80.96* | |

## 26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0295 | EA | 6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 798.70 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.95* | |
| 26 05 36 00-0296 | EA | 9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 857.96 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-61.77* | |
| 26 05 36 00-0297 | EA | 12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 895.52 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-64.34* | |
| 26 05 36 00-0298 | EA | 18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 981.94 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-70.20* | |
| 26 05 36 00-0299 | EA | 24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,090.23 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-77.51* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0300 | EA | 30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,173.07 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-83.71* | |
| 26 05 36 00-0301 | EA | 36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,418.06 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-102.99* | |
| **26 05 36 00-0302** | | **36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)* | | |
| 26 05 36 00-0303 | EA | 6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,019.26 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-77.90* | |
| 26 05 36 00-0304 | EA | 9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,090.01 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-82.47* | |
| 26 05 36 00-0305 | EA | 12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,156.97 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-87.71* | |
| 26 05 36 00-0306 | EA | 18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,272.12 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-95.70* | |
| 26 05 36 00-0307 | EA | 24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,443.71 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-108.39* | |
| 26 05 36 00-0308 | EA | 30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,565.64 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-117.75* | |
| 26 05 36 00-0309 | EA | 36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,763.89 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-130.58* | |
| **26 05 36 00-0310** | | **12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)* | | |
| 26 05 36 00-0311 | EA | 6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 764.67 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.80* | |
| 26 05 36 00-0312 | EA | 9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 782.81 | 232.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-58.87* | |
| 26 05 36 00-0313 | EA | 12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 801.66 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-59.99* | |
| 26 05 36 00-0314 | EA | 18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 843.32 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-62.42* | |
| 26 05 36 00-0315 | EA | 24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 869.93 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-64.09* | |
| 26 05 36 00-0316 | EA | 30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 943.57 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-69.14* | |
| 26 05 36 00-0317 | EA | 36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,016.26 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.64* | |
| **26 05 36 00-0318** | | **24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)* | | |
| 26 05 36 00-0319 | EA | 6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,110.54 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-90.88* | |
| 26 05 36 00-0320 | EA | 9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,137.51 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-92.74* | |
| 26 05 36 00-0321 | EA | 12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,165.92 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-94.68* | |
| 26 05 36 00-0322 | EA | 18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,228.61 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-98.84* | |
| 26 05 36 00-0323 | EA | 24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,273.04 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-102.09* | |
| 26 05 36 00-0324 | EA | 30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,349.16 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-106.93* | |
| 26 05 36 00-0325 | EA | 36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,454.02 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-113.89* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 36 00-0326** | | **36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)* | | |
| 26 05 36 00-0327 | EA | 6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,759.66 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-154.05* | |
| 26 05 36 00-0328 | EA | 9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,796.57 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-156.75* | |
| 26 05 36 00-0329 | EA | 12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,836.08 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-159.59* | |
| 26 05 36 00-0330 | EA | 18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,903.39 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-163.81* | |
| 26 05 36 00-0331 | EA | 24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,949.76 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-166.99* | |
| 26 05 36 00-0332 | EA | 30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,071.78 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-175.66* | |
| 26 05 36 00-0333 | EA | 36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,178.16 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-181.84* | |
| **26 05 36 00-0334** | | **12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)* | | |
| 26 05 36 00-0335 | EA | 6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 789.13 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.70* | |
| 26 05 36 00-0336 | EA | 9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 829.17 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.39* | |
| 26 05 36 00-0337 | EA | 12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 885.84 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-60.59* | |
| 26 05 36 00-0338 | EA | 18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 950.47 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-65.37* | |
| 26 05 36 00-0339 | EA | 24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,070.11 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.41* | |
| 26 05 36 00-0340 | EA | 30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,196.61 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-83.68* | |
| 26 05 36 00-0341 | EA | 36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,308.24 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-92.01* | |
| **26 05 36 00-0342** | | **24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)* | | |
| 26 05 36 00-0343 | EA | 6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,112.35 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-83.25* | |
| 26 05 36 00-0344 | EA | 9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,163.25 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-86.65* | |
| 26 05 36 00-0345 | EA | 12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,217.21 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-90.20* | |
| 26 05 36 00-0346 | EA | 18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,296.62 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-96.06* | |
| 26 05 36 00-0347 | EA | 24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,442.09 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-105.40* | |
| 26 05 36 00-0348 | EA | 30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,550.87 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-113.06* | |
| 26 05 36 00-0349 | EA | 36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,739.87 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-128.18* | |
| **26 05 36 00-0350** | | **36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)* | | |
| 26 05 36 00-0351 | EA | 6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,402.54 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-108.74* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0352 | EA | 9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,478.52 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-114.25* | |
| 26 05 36 00-0353 | EA | 12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,560.40 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-120.06* | |
| 26 05 36 00-0354 | EA | 18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,702.92 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-131.48* | |
| 26 05 36 00-0355 | EA | 24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,945.79 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-148.77* | |
| 26 05 36 00-0356 | EA | 30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,122.33 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-161.89* | |
| 26 05 36 00-0357 | EA | 36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,322.79 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-176.20* | |

## 26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0359 | EA | 6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 917.31 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-66.52* | |
| 26 05 36 00-0360 | EA | 9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 963.72 | 318.45 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-69.83* | |
| 26 05 36 00-0361 | EA | 12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,032.46 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-75.26* | |
| 26 05 36 00-0362 | EA | 18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,111.30 | 356.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-81.44* | |
| 26 05 36 00-0363 | EA | 24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,249.26 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-91.33* | |
| 26 05 36 00-0364 | EA | 30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,411.61 | 431.91 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-105.17* | |
| 26 05 36 00-0365 | EA | 36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,546.66 | 465.19 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-115.90* | |

## 26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0367 | EA | 6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,361.00 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-108.11* | |
| 26 05 36 00-0368 | EA | 9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,419.62 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-112.29* | |
| 26 05 36 00-0369 | EA | 12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,481.30 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-116.61* | |
| 26 05 36 00-0370 | EA | 18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,577.70 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-124.17* | |
| 26 05 36 00-0371 | EA | 24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,741.70 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-135.36* | |
| 26 05 36 00-0372 | EA | 30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,870.56 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-145.03* | |
| 26 05 36 00-0373 | EA | 36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,110.52 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-165.24* | |

## 26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0375 | EA | 6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,750.03 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-143.49* | |
| 26 05 36 00-0376 | EA | 9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,841.45 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-150.55* | |
| 26 05 36 00-0377 | EA | 12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,938.78 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-157.90* | |
| 26 05 36 00-0378 | EA | 18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,119.91 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-173.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0379 | EA | 24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,409.11 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-195.10* | |
| 26 05 36 00-0380 | EA | 30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,624.26 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-212.08* | |
| 26 05 36 00-0381 | EA | 36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,863.33 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-230.25* | |
| 26 05 36 00-0382 | | 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)* | | |
| 26 05 36 00-0383 | | 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0384 | EA | 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 300.77 | 126.45 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-19.54* | |
| 26 05 36 00-0385 | EA | 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 337.28 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.73* | |
| 26 05 36 00-0386 | EA | 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 371.11 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.85* | |
| 26 05 36 00-0387 | EA | 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 462.53 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.99* | |
| 26 05 36 00-0388 | EA | 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 527.86 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-34.12* | |
| 26 05 36 00-0389 | EA | 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 623.28 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-41.32* | |
| 26 05 36 00-0390 | EA | 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 717.67 | 288.19 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-47.75* | |
| 26 05 36 00-0391 | | 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0392 | EA | 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 405.08 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.55* | |
| 26 05 36 00-0393 | EA | 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 443.56 | 151.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.76* | |
| 26 05 36 00-0394 | EA | 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 478.92 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.88* | |
| 26 05 36 00-0395 | EA | 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 562.37 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-38.84* | |
| 26 05 36 00-0396 | EA | 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 633.78 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.20* | |
| 26 05 36 00-0397 | EA | 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 708.34 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-47.93* | |
| 26 05 36 00-0398 | EA | 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 828.03 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.27* | |
| 26 05 36 00-0399 | | 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0400 | EA | 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 434.97 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.04* | |
| 26 05 36 00-0401 | EA | 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 482.43 | 159.10 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-34.99* | |
| 26 05 36 00-0402 | EA | 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 524.14 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.58* | |
| 26 05 36 00-0403 | EA | 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 633.68 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.70* | |
| 26 05 36 00-0404 | EA | 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 724.34 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-50.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0405 | EA | 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 847.47 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-59.53* | |
| 26 05 36 00-0406 | EA | 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 967.08 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-67.09* | |

## 26 05 36 00-0407 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0408 | EA | 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 222.76 | 91.65 |
| | | *For 60 Degree Bend, Deduct* | *-38.39* | |
| | | *For 30 Degree Bend, Deduct* | *-69.08* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-14.64* | |
| 26 05 36 00-0409 | EA | 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 256.06 | 109.93 |
| | | *For 60 Degree Bend, Deduct* | *-42.38* | |
| | | *For 30 Degree Bend, Deduct* | *-76.74* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-16.45* | |
| 26 05 36 00-0410 | EA | 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 285.91 | 126.07 |
| | | *For 60 Degree Bend, Deduct* | *-46.02* | |
| | | *For 30 Degree Bend, Deduct* | *-83.71* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-18.09* | |
| 26 05 36 00-0411 | EA | 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 345.59 | 159.35 |
| | | *For 60 Degree Bend, Deduct* | *-52.98* | |
| | | *For 30 Degree Bend, Deduct* | *-97.15* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.28* | |
| 26 05 36 00-0412 | EA | 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 428.21 | 195.15 |
| | | *For 60 Degree Bend, Deduct* | *-66.50* | |
| | | *For 30 Degree Bend, Deduct* | *-121.68* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.56* | |
| 26 05 36 00-0413 | EA | 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 504.98 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-80.76* | |
| | | *For 30 Degree Bend, Deduct* | *-147.04* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.83* | |
| 26 05 36 00-0414 | EA | 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 575.62 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-89.14* | |
| | | *For 30 Degree Bend, Deduct* | *-163.17* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.65* | |

## 26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0416 | EA | 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 246.16 | 94.55 |
| | | *For 60 Degree Bend, Deduct* | *-45.01* | |
| | | *For 30 Degree Bend, Deduct* | *-80.26* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-16.74* | |
| 26 05 36 00-0417 | EA | 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 284.35 | 113.96 |
| | | *For 60 Degree Bend, Deduct* | *-50.14* | |
| | | *For 30 Degree Bend, Deduct* | *-89.90* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-18.94* | |
| 26 05 36 00-0418 | EA | 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 325.15 | 131.61 |
| | | *For 60 Degree Bend, Deduct* | *-56.85* | |
| | | *For 30 Degree Bend, Deduct* | *-102.07* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.55* | |
| 26 05 36 00-0419 | EA | 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 388.83 | 168.05 |
| | | *For 60 Degree Bend, Deduct* | *-63.88* | |
| | | *For 30 Degree Bend, Deduct* | *-115.80* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.88* | |
| 26 05 36 00-0420 | EA | 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 479.43 | 208.76 |
| | | *For 60 Degree Bend, Deduct* | *-78.20* | |
| | | *For 30 Degree Bend, Deduct* | *-141.93* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.55* | |
| 26 05 36 00-0421 | EA | 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 560.85 | 242.17 |
| | | *For 60 Degree Bend, Deduct* | *-92.26* | |
| | | *For 30 Degree Bend, Deduct* | *-167.23* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.91* | |
| 26 05 36 00-0422 | EA | 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 660.62 | 288.31 |
| | | *For 60 Degree Bend, Deduct* | *-107.50* | |
| | | *For 30 Degree Bend, Deduct* | *-195.19* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.04* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0423 | | 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0424 | EA | 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 289.82 | 97.58 |
| | | *For 60 Degree Bend, Deduct* | *-58.25* | |
| | | *For 30 Degree Bend, Deduct* | *-102.51* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-20.85* | |
| 26 05 36 00-0425 | EA | 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 331.89 | 118.50 |
| | | *For 60 Degree Bend, Deduct* | *-64.11* | |
| | | *For 30 Degree Bend, Deduct* | *-113.43* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.32* | |
| 26 05 36 00-0426 | EA | 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 366.50 | 137.54 |
| | | *For 60 Degree Bend, Deduct* | *-68.22* | |
| | | *For 30 Degree Bend, Deduct* | *-121.35* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.19* | |
| 26 05 36 00-0427 | EA | 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 445.49 | 178.01 |
| | | *For 60 Degree Bend, Deduct* | *-78.75* | |
| | | *For 30 Degree Bend, Deduct* | *-141.15* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.71* | |
| 26 05 36 00-0428 | EA | 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 530.72 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-89.25* | |
| | | *For 30 Degree Bend, Deduct* | *-161.20* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-34.40* | |
| 26 05 36 00-0429 | EA | 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 641.40 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-110.84* | |
| | | *For 30 Degree Bend, Deduct* | *-199.35* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.22* | |
| 26 05 36 00-0430 | EA | 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 756.53 | 318.32 |
| | | *For 60 Degree Bend, Deduct* | *-127.62* | |
| | | *For 30 Degree Bend, Deduct* | *-230.39* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.12* | |
| 26 05 36 00-0431 | | 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0432 | EA | 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 334.53 | 126.07 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-22.95* | |
| 26 05 36 00-0433 | EA | 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 367.31 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.73* | |
| 26 05 36 00-0434 | EA | 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 396.85 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.42* | |
| 26 05 36 00-0435 | EA | 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 462.53 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.99* | |
| 26 05 36 00-0436 | EA | 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 516.42 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.97* | |
| 26 05 36 00-0437 | EA | 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 574.66 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.46* | |
| 26 05 36 00-0438 | EA | 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 639.87 | 287.81 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.00* | |
| 26 05 36 00-0439 | | 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0440 | EA | 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 395.07 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.55* | |
| 26 05 36 00-0441 | EA | 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 432.32 | 151.28 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.63* | |
| 26 05 36 00-0442 | EA | 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 467.48 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.74* | |
| 26 05 36 00-0443 | EA | 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 545.21 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.13* | |
| 26 05 36 00-0444 | EA | 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 610.90 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0445 | EA | 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 676.88 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.78* | |
| 26 05 36 00-0446 | EA | 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 776.55 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.13* | |

## 26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0448 | EA | 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 466.43 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.19* | |
| 26 05 36 00-0449 | EA | 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 511.25 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.86* | |
| 26 05 36 00-0450 | EA | 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 545.59 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.72* | |
| 26 05 36 00-0451 | EA | 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 642.26 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-45.56* | |
| 26 05 36 00-0452 | EA | 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 710.04 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.09* | |
| 26 05 36 00-0453 | EA | 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 813.15 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.10* | |
| 26 05 36 00-0454 | EA | 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 921.32 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-62.51* | |

## 26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0456 | EA | 6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 595.17 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.34* | |
| 26 05 36 00-0457 | EA | 9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 644.26 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.51* | |
| 26 05 36 00-0458 | EA | 12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 675.45 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.64* | |
| 26 05 36 00-0459 | EA | 18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 753.09 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-50.10* | |
| 26 05 36 00-0460 | EA | 24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 851.52 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.16* | |
| 26 05 36 00-0461 | EA | 30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 942.46 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-64.57* | |
| 26 05 36 00-0462 | EA | 36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,066.68 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.07* | |

## 26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0464 | EA | 6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 738.64 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.95* | |
| 26 05 36 00-0465 | EA | 9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 795.04 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.48* | |
| 26 05 36 00-0466 | EA | 12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 830.31 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.82* | |
| 26 05 36 00-0467 | EA | 18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 911.58 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-63.17* | |
| 26 05 36 00-0468 | EA | 24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,013.58 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-69.84* | |
| 26 05 36 00-0469 | EA | 30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,089.56 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-75.36* | |
| 26 05 36 00-0470 | EA | 36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,311.10 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-92.30* | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0471 | | 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0472 | EA | 6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 929.46 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-68.92* | |
| 26 05 36 00-0473 | EA | 9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 996.77 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.15* | |
| 26 05 36 00-0474 | EA | 12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,057.44 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-77.75* | |
| 26 05 36 00-0475 | EA | 18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,165.16 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-85.00* | |
| 26 05 36 00-0476 | EA | 24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,323.02 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-96.32* | |
| 26 05 36 00-0477 | EA | 30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,434.08 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-104.59* | |
| 26 05 36 00-0478 | EA | 36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,622.61 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-116.45* | |
| 26 05 36 00-0479 | | 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0480 | EA | 6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 699.46 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.28* | |
| 26 05 36 00-0481 | EA | 9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 717.03 | 232.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-52.30* | |
| 26 05 36 00-0482 | EA | 12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 735.31 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.35* | |
| 26 05 36 00-0483 | EA | 18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 775.82 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.67* | |
| 26 05 36 00-0484 | EA | 24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 801.29 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.22* | |
| 26 05 36 00-0485 | EA | 30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 870.35 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-61.82* | |
| 26 05 36 00-0486 | EA | 36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 940.18 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-66.03* | |
| 26 05 36 00-0487 | | 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0488 | EA | 6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 992.71 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-79.09* | |
| 26 05 36 00-0489 | EA | 9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,017.96 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-80.79* | |
| 26 05 36 00-0490 | EA | 12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,044.66 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-82.55* | |
| 26 05 36 00-0491 | EA | 18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,103.92 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-86.37* | |
| 26 05 36 00-0492 | EA | 24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,144.91 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-89.28* | |
| 26 05 36 00-0493 | EA | 30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,217.60 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-93.77* | |
| 26 05 36 00-0494 | EA | 36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,316.74 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-100.16* | |
| 26 05 36 00-0495 | | 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0496 | EA | 6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,539.44 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-132.03* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0497 | EA | 9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,573.49 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-134.44* | |
| 26 05 36 00-0498 | EA | 12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,610.14 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-136.99* | |
| 26 05 36 00-0499 | EA | 18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,674.59 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-140.93* | |
| 26 05 36 00-0500 | EA | 24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,718.10 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-143.82* | |
| 26 05 36 00-0501 | EA | 30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,831.54 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-151.64* | |
| 26 05 36 00-0502 | EA | 36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,935.06 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-157.53* | |

### 26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0504 | EA | 6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 741.65 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.95* | |
| 26 05 36 00-0505 | EA | 9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 779.41 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.41* | |
| 26 05 36 00-0506 | EA | 12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 831.50 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.16* | |
| 26 05 36 00-0507 | EA | 18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 890.98 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-59.42* | |
| 26 05 36 00-0508 | EA | 24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,003.76 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-66.78* | |
| 26 05 36 00-0509 | EA | 30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,117.10 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-75.73* | |
| 26 05 36 00-0510 | EA | 36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,219.58 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-83.14* | |

### 26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0512 | EA | 6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,020.26 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-74.04* | |
| 26 05 36 00-0513 | EA | 9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,068.30 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-77.15* | |
| 26 05 36 00-0514 | EA | 12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,119.40 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-80.42* | |
| 26 05 36 00-0515 | EA | 18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,192.52 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-85.65* | |
| 26 05 36 00-0516 | EA | 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,331.12 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-94.30* | |
| 26 05 36 00-0517 | EA | 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,432.47 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-101.22* | |
| 26 05 36 00-0518 | EA | 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,602.59 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-114.45* | |

### 26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0520 | EA | 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,273.84 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-95.87* | |
| 26 05 36 00-0521 | EA | 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,344.10 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-100.81* | |
| 26 05 36 00-0522 | EA | 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,420.26 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-106.05* | |
| 26 05 36 00-0523 | EA | 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,548.48 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-116.03* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0524 | EA | 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,774.19 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-131.61* | |
| 26 05 36 00-0525 | EA | 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,936.43 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-143.30* | |
| 26 05 36 00-0526 | EA | 36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,122.59 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-156.18* | |
| 26 05 36 00-0527 | | 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0528 | EA | 6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 848.47 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-59.63* | |
| 26 05 36 00-0529 | EA | 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 891.56 | 318.45 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-62.62* | |
| 26 05 36 00-0530 | EA | 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 953.66 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-67.38* | |
| 26 05 36 00-0531 | EA | 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,025.05 | 356.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-72.82* | |
| 26 05 36 00-0532 | EA | 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,153.05 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-81.71* | |
| 26 05 36 00-0533 | EA | 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,296.32 | 431.91 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-93.64* | |
| 26 05 36 00-0534 | EA | 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,418.10 | 465.19 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-103.04* | |
| 26 05 36 00-0535 | | 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0536 | EA | 6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,227.47 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-94.76* | |
| 26 05 36 00-0537 | EA | 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,281.94 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-98.52* | |
| 26 05 36 00-0538 | EA | 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,339.48 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-102.43* | |
| 26 05 36 00-0539 | EA | 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,426.75 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-109.08* | |
| 26 05 36 00-0540 | EA | 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,580.80 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-119.27* | |
| 26 05 36 00-0541 | EA | 30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,698.88 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-127.87* | |
| 26 05 36 00-0542 | EA | 36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,911.47 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-145.34* | |
| 26 05 36 00-0543 | | 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)* | | |
| 26 05 36 00-0544 | EA | 6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,563.41 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-124.82* | |
| 26 05 36 00-0545 | EA | 9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,646.54 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-131.05* | |
| 26 05 36 00-0546 | EA | 12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,735.57 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-137.58* | |
| 26 05 36 00-0547 | EA | 18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,895.97 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-150.78* | |
| 26 05 36 00-0548 | EA | 24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,160.29 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-170.22* | |
| 26 05 36 00-0549 | EA | 30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,354.70 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-185.12* | |
| 26 05 36 00-0550 | EA | 36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,573.04 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-201.22* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0551 | | 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)* | | |
| 26 05 36 00-0552 | | 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)* | | |
| 26 05 36 00-0553 | EA | 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 294.46 | 126.45 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-18.91* | |
| 26 05 36 00-0554 | EA | 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 330.47 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.05* | |
| 26 05 36 00-0555 | EA | 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 363.70 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.11* | |
| 26 05 36 00-0556 | EA | 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 452.92 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.03* | |
| 26 05 36 00-0557 | EA | 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 517.05 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.03* | |
| 26 05 36 00-0558 | EA | 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 609.07 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.90* | |
| 26 05 36 00-0559 | EA | 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 701.05 | 288.19 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.09* | |
| 26 05 36 00-0560 | | 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)* | | |
| 26 05 36 00-0561 | EA | 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 392.07 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.25* | |
| 26 05 36 00-0562 | EA | 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 430.15 | 151.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.42* | |
| 26 05 36 00-0563 | EA | 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 465.01 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.49* | |
| 26 05 36 00-0564 | EA | 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 547.35 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.34* | |
| 26 05 36 00-0565 | EA | 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 617.66 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-41.59* | |
| 26 05 36 00-0566 | EA | 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 690.82 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.18* | |
| 26 05 36 00-0567 | EA | 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 807.21 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-54.19* | |
| 26 05 36 00-0568 | | 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)* | | |
| 26 05 36 00-0569 | EA | 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 420.56 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.60* | |
| 26 05 36 00-0570 | EA | 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 467.21 | 159.10 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.47* | |
| 26 05 36 00-0571 | EA | 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 508.22 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.98* | |
| 26 05 36 00-0572 | EA | 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 615.46 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.88* | |
| 26 05 36 00-0573 | EA | 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 704.32 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.52* | |
| 26 05 36 00-0574 | EA | 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 823.45 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.13* | |
| 26 05 36 00-0575 | EA | 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 940.85 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-64.46* | |
| 26 05 36 00-0576 | | 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0577 | EA | 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 217.86 | 91.65 |
| | | *For 60 Degree Bend, Deduct* | *-36.78* | |
| | | *For 30 Degree Bend, Deduct* | *-66.38* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-14.15* | |
| 26 05 36 00-0578 | EA | 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 250.95 | 109.93 |
| | | *For 60 Degree Bend, Deduct* | *-40.69* | |
| | | *For 30 Degree Bend, Deduct* | *-73.93* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-15.94* | |
| 26 05 36 00-0579 | EA | 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 280.60 | 126.07 |
| | | *For 60 Degree Bend, Deduct* | *-44.27* | |
| | | *For 30 Degree Bend, Deduct* | *-80.79* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-17.55* | |
| 26 05 36 00-0580 | EA | 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 339.98 | 159.35 |
| | | *For 60 Degree Bend, Deduct* | *-51.13* | |
| | | *For 30 Degree Bend, Deduct* | *-94.06* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-20.72* | |
| 26 05 36 00-0581 | EA | 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 421.00 | 195.15 |
| | | *For 60 Degree Bend, Deduct* | *-64.12* | |
| | | *For 30 Degree Bend, Deduct* | *-117.71* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.84* | |
| 26 05 36 00-0582 | EA | 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 495.77 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-77.72* | |
| | | *For 30 Degree Bend, Deduct* | *-141.98* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.91* | |
| 26 05 36 00-0583 | EA | 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 566.01 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-85.97* | |
| | | *For 30 Degree Bend, Deduct* | *-157.89* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-34.68* | |

## 26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0585 | EA | 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 239.95 | 94.55 |
| | | *For 60 Degree Bend, Deduct* | *-42.96* | |
| | | *For 30 Degree Bend, Deduct* | *-76.85* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-16.12* | |
| 26 05 36 00-0586 | EA | 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 277.74 | 113.96 |
| | | *For 60 Degree Bend, Deduct* | *-47.96* | |
| | | *For 30 Degree Bend, Deduct* | *-86.27* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-18.28* | |
| 26 05 36 00-0587 | EA | 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 317.74 | 131.61 |
| | | *For 60 Degree Bend, Deduct* | *-54.41* | |
| | | *For 30 Degree Bend, Deduct* | *-97.99* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-20.81* | |
| 26 05 36 00-0588 | EA | 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 381.22 | 168.05 |
| | | *For 60 Degree Bend, Deduct* | *-61.37* | |
| | | *For 30 Degree Bend, Deduct* | *-111.62* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.11* | |
| 26 05 36 00-0589 | EA | 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 470.22 | 208.76 |
| | | *For 60 Degree Bend, Deduct* | *-75.16* | |
| | | *For 30 Degree Bend, Deduct* | *-136.87* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.63* | |
| 26 05 36 00-0590 | EA | 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 549.84 | 242.17 |
| | | *For 60 Degree Bend, Deduct* | *-88.63* | |
| | | *For 30 Degree Bend, Deduct* | *-161.17* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-34.81* | |
| 26 05 36 00-0591 | EA | 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 648.01 | 288.31 |
| | | *For 60 Degree Bend, Deduct* | *-103.34* | |
| | | *For 30 Degree Bend, Deduct* | *-188.25* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.78* | |

## 26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0593 | EA | 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 280.91 | 97.58 |
| | | *For 60 Degree Bend, Deduct* | *-55.31* | |
| | | *For 30 Degree Bend, Deduct* | *-97.61* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-19.96* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0594 | EA | 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 322.48 | 118.50 |
| | | *For 60 Degree Bend, Deduct* | *-61.00* | |
| | | *For 30 Degree Bend, Deduct* | *-108.25* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-22.37* | |
| 26 05 36 00-0595 | EA | 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 356.89 | 137.54 |
| | | *For 60 Degree Bend, Deduct* | *-65.05* | |
| | | *For 30 Degree Bend, Deduct* | *-116.06* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.23* | |
| 26 05 36 00-0596 | EA | 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 435.08 | 178.01 |
| | | *For 60 Degree Bend, Deduct* | *-75.32* | |
| | | *For 30 Degree Bend, Deduct* | *-135.42* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.67* | |
| 26 05 36 00-0597 | EA | 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 519.71 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-85.62* | |
| | | *For 30 Degree Bend, Deduct* | *-155.14* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.30* | |
| 26 05 36 00-0598 | EA | 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 627.19 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-106.15* | |
| | | *For 30 Degree Bend, Deduct* | *-191.54* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.80* | |
| 26 05 36 00-0599 | EA | 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 740.71 | 318.32 |
| | | *For 60 Degree Bend, Deduct* | *-122.40* | |
| | | *For 30 Degree Bend, Deduct* | *-221.68* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-47.54* | |

## 26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0601 | EA | 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 325.82 | 126.07 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-22.08* | |
| 26 05 36 00-0602 | EA | 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 358.40 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.84* | |
| 26 05 36 00-0603 | EA | 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 387.64 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.50* | |
| 26 05 36 00-0604 | EA | 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 452.92 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.03* | |
| 26 05 36 00-0605 | EA | 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 506.41 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.97* | |
| 26 05 36 00-0606 | EA | 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 563.85 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.37* | |
| 26 05 36 00-0607 | EA | 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 628.66 | 287.81 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-38.88* | |

## 26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0609 | EA | 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 382.76 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.32* | |
| 26 05 36 00-0610 | EA | 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 419.71 | 151.28 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.36* | |
| 26 05 36 00-0611 | EA | 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 454.37 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.43* | |
| 26 05 36 00-0612 | EA | 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 531.40 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.75* | |
| 26 05 36 00-0613 | EA | 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 596.39 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.46* | |
| 26 05 36 00-0614 | EA | 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 661.56 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.25* | |
| 26 05 36 00-0615 | EA | 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 759.33 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.40* | |

## 26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 36 00-0617 | EA | 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 449.81 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-33.53* | |
| 26 05 36 00-0618 | EA | 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 494.03 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-36.14* | |
| 26 05 36 00-0619 | EA | 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 528.17 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-37.98* | |
| 26 05 36 00-0620 | EA | 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 623.44 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-43.67* | |
| 26 05 36 00-0621 | EA | 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 691.02 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-47.19* | |
| 26 05 36 00-0622 | EA | 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 791.53 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-53.94* | |
| 26 05 36 00-0623 | EA | 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 898.30 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-60.21* | |

## 26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 36 00-0625 | EA | 6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 576.01 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-37.42* | |
| 26 05 36 00-0626 | EA | 9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 623.67 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-40.45* | |
| 26 05 36 00-0627 | EA | 12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 653.71 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-42.47* | |
| 26 05 36 00-0628 | EA | 18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 728.21 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-47.61* | |
| 26 05 36 00-0629 | EA | 24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 822.35 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-54.25* | |
| 26 05 36 00-0630 | EA | 30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 907.57 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-61.08* | |
| 26 05 36 00-0631 | EA | 36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 1,027.21 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-69.12* | |

## 26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 36 00-0633 | EA | 6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 708.61 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-48.94* | |
| 26 05 36 00-0634 | EA | 9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 763.58 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-52.34* | |
| 26 05 36 00-0635 | EA | 12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 797.71 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-54.56* | |
| 26 05 36 00-0636 | EA | 18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 876.40 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-59.65* | |
| 26 05 36 00-0637 | EA | 24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 975.26 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-66.01* | |
| 26 05 36 00-0638 | EA | 30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 1,047.80 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-71.18* | |
| 26 05 36 00-0639 | EA | 36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 1,257.62 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-86.95* | |

## 26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

| | | | | | |
|---|---|---|---|---|---|
| 26 05 36 00-0641 | EA | 6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 884.56 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-64.43* | |
| 26 05 36 00-0642 | EA | 9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | | 950.15 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | | *-68.49* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0643 | EA | 12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,007.68 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-72.78* | |
| 26 05 36 00-0644 | EA | 18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,111.68 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-79.65* | |
| 26 05 36 00-0645 | EA | 24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,262.67 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-90.29* | |
| 26 05 36 00-0646 | EA | 30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,368.30 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-98.02* | |
| 26 05 36 00-0647 | EA | 36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,551.97 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-109.39* | |

## 26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0649 | EA | 6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 666.86 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.02* | |
| 26 05 36 00-0650 | EA | 9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 684.14 | 232.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.01* | |
| 26 05 36 00-0651 | EA | 12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 702.13 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-50.04* | |
| 26 05 36 00-0652 | EA | 18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 742.07 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-52.29* | |
| 26 05 36 00-0653 | EA | 24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 766.97 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.79* | |
| 26 05 36 00-0654 | EA | 30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 833.74 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-58.16* | |
| 26 05 36 00-0655 | EA | 36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 902.14 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-62.22* | |

## 26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0657 | EA | 6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 933.79 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.20* | |
| 26 05 36 00-0658 | EA | 9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 958.19 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-74.81* | |
| 26 05 36 00-0659 | EA | 12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 984.03 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-76.49* | |
| 26 05 36 00-0660 | EA | 18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,041.57 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-80.14* | |
| 26 05 36 00-0661 | EA | 24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,080.85 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-82.87* | |
| 26 05 36 00-0662 | EA | 30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,151.82 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-87.19* | |
| 26 05 36 00-0663 | EA | 36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,248.10 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-93.29* | |

## 26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0665 | EA | 6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,429.33 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-121.02* | |
| 26 05 36 00-0666 | EA | 9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,461.95 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-123.29* | |
| 26 05 36 00-0667 | EA | 12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,497.17 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-125.70* | |
| 26 05 36 00-0668 | EA | 18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,560.19 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-129.49* | |
| 26 05 36 00-0669 | EA | 24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,602.27 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-132.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0670 | EA | 30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,711.42 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-139.63* | |
| 26 05 36 00-0671 | EA | 36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,813.51 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-145.37* | |
| **26 05 36 00-0672** | | **12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)* | | |
| 26 05 36 00-0673 | EA | 6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 717.91 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.58* | |
| 26 05 36 00-0674 | EA | 9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 754.53 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.92* | |
| 26 05 36 00-0675 | EA | 12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 804.33 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-52.44* | |
| 26 05 36 00-0676 | EA | 18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 861.24 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.45* | |
| 26 05 36 00-0677 | EA | 24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 970.58 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-63.46* | |
| 26 05 36 00-0678 | EA | 30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,077.35 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-71.76* | |
| 26 05 36 00-0679 | EA | 36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,175.25 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-78.71* | |
| **26 05 36 00-0680** | | **24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)* | | |
| 26 05 36 00-0681 | EA | 6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 974.21 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-69.43* | |
| 26 05 36 00-0682 | EA | 9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,020.82 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-72.41* | |
| 26 05 36 00-0683 | EA | 12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,070.49 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-75.53* | |
| 26 05 36 00-0684 | EA | 18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,140.47 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-80.45* | |
| 26 05 36 00-0685 | EA | 24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,275.64 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-88.75* | |
| 26 05 36 00-0686 | EA | 30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,373.27 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-95.30* | |
| 26 05 36 00-0687 | EA | 36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,533.95 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-107.59* | |
| **26 05 36 00-0688** | | **36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)* | | |
| 26 05 36 00-0689 | EA | 6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,209.49 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-89.43* | |
| 26 05 36 00-0690 | EA | 9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,276.89 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-94.09* | |
| 26 05 36 00-0691 | EA | 12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,350.19 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-99.04* | |
| 26 05 36 00-0692 | EA | 18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,471.26 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-108.31* | |
| 26 05 36 00-0693 | EA | 24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,688.39 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-123.03* | |
| 26 05 36 00-0694 | EA | 30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,843.48 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-134.00* | |
| 26 05 36 00-0695 | EA | 36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,022.49 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-146.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 36 00-0696** | | **12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)* | | |
| 26 05 36 00-0697 | EA | 6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 814.05 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.19* | |
| 26 05 36 00-0698 | EA | 9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 855.48 | 318.45 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-59.01* | |
| 26 05 36 00-0699 | EA | 12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 914.27 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-63.44* | |
| 26 05 36 00-0700 | EA | 18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 981.92 | 356.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-68.50* | |
| 26 05 36 00-0701 | EA | 24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,104.95 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-76.90* | |
| 26 05 36 00-0702 | EA | 30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,238.68 | 431.91 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-87.87* | |
| 26 05 36 00-0703 | EA | 36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,353.83 | 465.19 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-96.62* | |
| **26 05 36 00-0704** | | **24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)* | | |
| 26 05 36 00-0705 | EA | 6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,160.70 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-88.08* | |
| 26 05 36 00-0706 | EA | 9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,213.10 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-91.63* | |
| 26 05 36 00-0707 | EA | 12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,268.56 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-95.34* | |
| 26 05 36 00-0708 | EA | 18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,351.28 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-101.53* | |
| 26 05 36 00-0709 | EA | 24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,500.34 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-111.22* | |
| 26 05 36 00-0710 | EA | 30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,613.03 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-119.28* | |
| 26 05 36 00-0711 | EA | 36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,811.94 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-135.38* | |
| **26 05 36 00-0712** | | **36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)* | | |
| 26 05 36 00-0713 | EA | 6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,470.11 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-115.49* | |
| 26 05 36 00-0714 | EA | 9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,549.09 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-121.31* | |
| 26 05 36 00-0715 | EA | 12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,633.97 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-127.42* | |
| 26 05 36 00-0716 | EA | 18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 1,784.00 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-139.59* | |
| 26 05 36 00-0717 | EA | 24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,035.88 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-157.78* | |
| 26 05 36 00-0718 | EA | 30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,219.93 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-171.65* | |
| 26 05 36 00-0719 | EA | 36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting | 2,427.89 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-186.71* | |
| **26 05 36 00-0720** | | **Dropout Or End Plates And Reducers** *(26 05 36 00-0002)* | | |
| **26 05 36 00-0721** | | **Straight Reducers** *(26 05 36 00-0720)* | | |
| 26 05 36 00-0722 | EA | 9" To 6" Reducer, Steel Cable Tray | 286.66 | 93.04 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-20.91* | |
| 26 05 36 00-0723 | EA | 12" To 9" Reducer, Steel Cable Tray | 302.33 | 100.72 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.84* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0724 | EA | 18" To 12" Reducer, Steel Cable Tray | 328.25 | 116.24 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.13* | |
| 26 05 36 00-0725 | EA | 24" To 18" Reducer, Steel Cable Tray | 361.44 | 134.52 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.94* | |
| 26 05 36 00-0726 | EA | 30" To 24" Reducer, Steel Cable Tray | 392.28 | 151.28 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.62* | |
| 26 05 36 00-0727 | EA | 36" To 30" Reducer, Steel Cable Tray | 445.39 | 172.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.13* | |
| **26 05 36 00-0728** | | **Reducers** *(26 05 36 00-0720)* | | |
| 26 05 36 00-0729 | EA | 18" To 6" Reducer, Steel Cable Tray | 334.09 | 116.36 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.71* | |
| 26 05 36 00-0730 | EA | 24" To 12" Reducer, Steel Cable Tray | 367.48 | 134.64 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.52* | |
| 26 05 36 00-0731 | EA | 30" To 12" Reducer, Steel Cable Tray | 403.52 | 151.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.76* | |
| 26 05 36 00-0732 | EA | 30" To 18" Reducer, Steel Cable Tray | 409.04 | 151.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.32* | |
| 26 05 36 00-0733 | EA | 36" To 12" Reducer, Steel Cable Tray | 448.25 | 172.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.42* | |
| 26 05 36 00-0734 | EA | 36" To 18" Reducer, Steel Cable Tray | 461.54 | 177.38 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.37* | |
| 26 05 36 00-0735 | EA | 36" To 24" Reducer, Steel Cable Tray | 476.70 | 183.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.42* | |
| **26 05 36 00-0736** | | **Dropout Or End Plate** *(26 05 36 00-0720)* | | |
| 26 05 36 00-0737 | EA | 6" Dropout Or End Plate, Steel Cable Tray | 77.76 | 37.82 |
| 26 05 36 00-0738 | EA | 9" Dropout Or End Plate, Steel Cable Tray | 89.29 | 43.24 |
| 26 05 36 00-0739 | EA | 12" Dropout Or End Plate, Steel Cable Tray | 96.41 | 46.52 |
| 26 05 36 00-0740 | EA | 18" Dropout Or End Plate, Steel Cable Tray | 113.80 | 54.97 |
| 26 05 36 00-0741 | EA | 24" Dropout Or End Plate, Steel Cable Tray | 127.73 | 60.51 |
| 26 05 36 00-0742 | EA | 30" Dropout Or End Plate, Steel Cable Tray | 141.54 | 67.19 |
| 26 05 36 00-0743 | EA | 36" Dropout Or End Plate, Steel Cable Tray | 159.82 | 75.64 |
| **26 05 36 00-0744** | | **Ladder Bottom Aluminum Cable Tray** *(26 05 36 00-0001)*<br>Note: 4-5/8" Height | | |
| **26 05 36 00-0745** | | **Straight Tray Sections** *(26 05 36 00-0744)* | | |
| **26 05 36 00-0746** | | **4" Rung Spacing** *(26 05 36 00-0745)* | | |
| 26 05 36 00-0747 | LF | 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section | 118.41 | 8.83 |
| | | *For Class 12C Instead Of Class 12B, Add* | *16.29* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-11.10* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *5.92* | |
| 26 05 36 00-0748 | LF | 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section | 125.22 | 9.33 |
| | | *For Class 12C Instead Of Class 12B, Add* | *17.23* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-11.75* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *6.26* | |
| 26 05 36 00-0749 | LF | 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section | 132.00 | 9.71 |
| | | *For Class 12C Instead Of Class 12B, Add* | *18.18* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-12.39* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *6.60* | |
| 26 05 36 00-0750 | LF | 18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section | 146.68 | 10.59 |
| | | *For Class 12C Instead Of Class 12B, Add* | *20.23* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-13.78* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *7.33* | |
| 26 05 36 00-0751 | LF | 24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section | 169.48 | 11.34 |
| | | *For Class 12C Instead Of Class 12B, Add* | *23.54* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-16.01* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *8.47* | |
| 26 05 36 00-0752 | LF | 30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section | 185.94 | 12.11 |
| | | *For Class 12C Instead Of Class 12B, Add* | *25.88* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-17.59* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *9.30* | |
| 26 05 36 00-0753 | LF | 36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section | 200.46 | 12.86 |
| | | *For Class 12C Instead Of Class 12B, Add* | *27.92* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-18.97* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *10.02* | |
| **26 05 36 00-0754** | | **6" Rung Spacing** *(26 05 36 00-0745)* | | |
| 26 05 36 00-0755 | LF | 6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section | 108.99 | 8.83 |
| | | *For Class 12C Instead Of Class 12B, Add* | *14.87* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-10.16* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *5.45* | |
| 26 05 36 00-0756 | LF | 9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section | 115.24 | 9.33 |
| | | *For Class 12C Instead Of Class 12B, Add* | *15.74* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-10.75* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *5.76* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0757 | LF | 12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section | 121.48 | 9.71 |
| | | *For Class 12C Instead Of Class 12B, Add* | *16.60* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-11.34* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *6.07* | |
| 26 05 36 00-0758 | LF | 18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section | 134.96 | 10.59 |
| | | *For Class 12C Instead Of Class 12B, Add* | *18.47* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-12.61* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *6.75* | |
| 26 05 36 00-0759 | LF | 24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section | 155.78 | 11.34 |
| | | *For Class 12C Instead Of Class 12B, Add* | *21.49* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-14.64* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *7.79* | |
| 26 05 36 00-0760 | LF | 30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section | 170.86 | 12.11 |
| | | *For Class 12C Instead Of Class 12B, Add* | *23.62* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-16.08* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *8.54* | |
| 26 05 36 00-0761 | LF | 36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section | 184.19 | 12.86 |
| | | *For Class 12C Instead Of Class 12B, Add* | *25.48* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-17.35* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *9.21* | |
| **26 05 36 00-0762** | | **9" Rung Spacing** *(26 05 36 00-0745)* | | |
| 26 05 36 00-0763 | LF | 6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section | 96.88 | 8.45 |
| | | *For Class 12C Instead Of Class 12B, Add* | *13.12* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-8.98* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *4.84* | |
| 26 05 36 00-0764 | LF | 9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section | 97.95 | 8.83 |
| | | *For Class 12C Instead Of Class 12B, Add* | *13.22* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-9.06* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *4.90* | |
| 26 05 36 00-0765 | LF | 12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section | 105.10 | 9.33 |
| | | *For Class 12C Instead Of Class 12B, Add* | *14.22* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-9.74* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *5.26* | |
| 26 05 36 00-0766 | LF | 18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section | 112.22 | 9.96 |
| | | *For Class 12C Instead Of Class 12B, Add* | *15.17* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-10.39* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *5.61* | |
| 26 05 36 00-0767 | LF | 24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section | 127.50 | 10.34 |
| | | *For Class 12C Instead Of Class 12B, Add* | *17.41* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-11.89* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *6.38* | |
| 26 05 36 00-0768 | LF | 30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section | 141.31 | 11.09 |
| | | *For Class 12C Instead Of Class 12B, Add* | *19.34* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-13.20* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *7.07* | |
| 26 05 36 00-0769 | LF | 36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section | 149.83 | 12.11 |
| | | *For Class 12C Instead Of Class 12B, Add* | *20.45* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-13.97* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *7.49* | |
| **26 05 36 00-0770** | | **12" Rung Spacing** *(26 05 36 00-0745)* | | |
| 26 05 36 00-0771 | LF | 6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section | 95.00 | 8.20 |
| | | *For Class 12C Instead Of Class 12B, Add* | *12.89* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-8.82* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *4.75* | |
| 26 05 36 00-0772 | LF | 9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section | 95.96 | 8.45 |
| | | *For Class 12C Instead Of Class 12B, Add* | *12.98* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-8.89* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *4.80* | |
| 26 05 36 00-0773 | LF | 12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section | 99.54 | 8.95 |
| | | *For Class 12C Instead Of Class 12B, Add* | *13.43* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-9.21* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *4.98* | |
| 26 05 36 00-0774 | LF | 18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section | 105.47 | 9.46 |
| | | *For Class 12C Instead Of Class 12B, Add* | *14.24* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-9.76* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *5.27* | |
| 26 05 36 00-0775 | LF | 24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section | 115.81 | 9.58 |
| | | *For Class 12C Instead Of Class 12B, Add* | *15.76* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-10.78* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *5.79* | |
| 26 05 36 00-0776 | LF | 30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section | 124.23 | 10.59 |
| | | *For Class 12C Instead Of Class 12B, Add* | *16.88* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-11.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *6.21* | |
| 26 05 36 00-0777 | LF | 36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section | 131.22 | 11.47 |
| | | *For Class 12C Instead Of Class 12B, Add* | *17.78* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-12.17* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *6.56* | |
| **26 05 36 00-0778** | | **18" Rung Spacing** *(26 05 36 00-0745)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0779 | LF | 6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section | 94.17 | 7.95 |
| | | *For Class 12C Instead Of Class 12B, Add* | *12.80* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-8.75* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *4.71* | |
| 26 05 36 00-0780 | LF | 9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section | 93.75 | 8.32 |
| | | *For Class 12C Instead Of Class 12B, Add* | *12.69* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-8.69* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *4.69* | |
| 26 05 36 00-0781 | LF | 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section | 98.91 | 8.57 |
| | | *For Class 12C Instead Of Class 12B, Add* | *13.40* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-9.17* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *4.95* | |
| 26 05 36 00-0782 | LF | 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section | 104.25 | 9.08 |
| | | *For Class 12C Instead Of Class 12B, Add* | *14.13* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-9.67* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *5.21* | |
| 26 05 36 00-0783 | LF | 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section | 111.38 | 9.20 |
| | | *For Class 12C Instead Of Class 12B, Add* | *15.18* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-10.37* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *5.57* | |
| 26 05 36 00-0784 | LF | 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section | 115.99 | 10.08 |
| | | *For Class 12C Instead Of Class 12B, Add* | *15.73* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-10.76* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *5.80* | |
| 26 05 36 00-0785 | LF | 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section | 122.20 | 10.96 |
| | | *For Class 12C Instead Of Class 12B, Add* | *16.50* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-11.30* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *6.11* | |

## 26 05 36 00-0786 4" Rung Tray Fittings *(26 05 36 00-0744)*

## 26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0788 | EA | 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 361.89 | 126.45 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.66* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *18.09* | |
| 26 05 36 00-0789 | EA | 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 395.07 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.51* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.75* | |
| 26 05 36 00-0790 | EA | 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 449.03 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.64* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *22.45* | |
| 26 05 36 00-0791 | EA | 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 531.96 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.93* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.60* | |
| 26 05 36 00-0792 | EA | 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 629.90 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.32* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.50* | |
| 26 05 36 00-0793 | EA | 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 692.01 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.19* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *34.60* | |
| 26 05 36 00-0794 | EA | 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 809.50 | 288.19 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.94* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *40.48* | |

## 26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0796 | EA | 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 487.14 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.76* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *24.36* | |
| 26 05 36 00-0797 | EA | 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 531.38 | 151.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.57* | |
| 26 05 36 00-0798 | EA | 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 572.99 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.29* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *28.65* | |
| 26 05 36 00-0799 | EA | 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 665.59 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.17* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *33.28* | |
| 26 05 36 00-0800 | EA | 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 751.90 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.01* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *37.60* | |
| 26 05 36 00-0801 | EA | 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 838.98 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-60.99* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *41.95* | |
| 26 05 36 00-0802 | EA | 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 959.33 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-69.40* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *47.97* | |

## 26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0804 | EA | 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 523.81 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.93* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.19* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0805 | EA | 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 567.48 | 159.10 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.49* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *28.37* | |
| 26 05 36 00-0806 | EA | 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 633.63 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.52* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.68* | |
| 26 05 36 00-0807 | EA | 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 752.39 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.57* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *37.62* | |
| 26 05 36 00-0808 | EA | 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 867.08 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-64.79* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.35* | |
| 26 05 36 00-0809 | EA | 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 975.11 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-72.30* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.76* | |
| 26 05 36 00-0810 | EA | 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,132.17 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-83.60* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *56.61* | |

## 26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0812 | EA | 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 252.22 | 91.65 |
| | | *For 60 Degree Bend, Deduct* | *-48.11* | |
| | | *For 30 Degree Bend, Deduct* | *-85.28* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-17.59* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *12.61* | |
| 26 05 36 00-0813 | EA | 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 286.49 | 109.93 |
| | | *For 60 Degree Bend, Deduct* | *-52.42* | |
| | | *For 30 Degree Bend, Deduct* | *-93.47* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-19.49* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *14.32* | |
| 26 05 36 00-0814 | EA | 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 317.30 | 126.07 |
| | | *For 60 Degree Bend, Deduct* | *-56.38* | |
| | | *For 30 Degree Bend, Deduct* | *-100.97* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.22* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *15.87* | |
| 26 05 36 00-0815 | EA | 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 391.83 | 159.35 |
| | | *For 60 Degree Bend, Deduct* | *-68.24* | |
| | | *For 30 Degree Bend, Deduct* | *-122.58* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.91* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.59* | |
| 26 05 36 00-0816 | EA | 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 482.20 | 195.15 |
| | | *For 60 Degree Bend, Deduct* | *-84.32* | |
| | | *For 30 Degree Bend, Deduct* | *-151.37* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.96* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *24.11* | |
| 26 05 36 00-0817 | EA | 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 553.34 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-96.72* | |
| | | *For 30 Degree Bend, Deduct* | *-173.64* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.66* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *27.67* | |
| 26 05 36 00-0818 | EA | 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 625.91 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-105.73* | |
| | | *For 30 Degree Bend, Deduct* | *-190.83* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.67* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.30* | |

## 26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0820 | EA | 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 291.48 | 94.55 |
| | | *For 60 Degree Bend, Deduct* | *-59.96* | |
| | | *For 30 Degree Bend, Deduct* | *-105.19* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.27* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *14.57* | |
| 26 05 36 00-0821 | EA | 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 339.26 | 113.96 |
| | | *For 60 Degree Bend, Deduct* | *-68.26* | |
| | | *For 30 Degree Bend, Deduct* | *-120.10* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.43* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *16.96* | |
| 26 05 36 00-0822 | EA | 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 372.45 | 131.61 |
| | | *For 60 Degree Bend, Deduct* | *-72.46* | |
| | | *For 30 Degree Bend, Deduct* | *-128.08* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.28* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *18.62* | |
| 26 05 36 00-0823 | EA | 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 444.75 | 168.05 |
| | | *For 60 Degree Bend, Deduct* | *-82.33* | |
| | | *For 30 Degree Bend, Deduct* | *-146.56* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.47* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *22.24* | |
| 26 05 36 00-0824 | EA | 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 539.27 | 208.76 |
| | | *For 60 Degree Bend, Deduct* | *-97.95* | |
| | | *For 30 Degree Bend, Deduct* | *-174.84* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.53* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.96* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0825 | EA | 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 633.23 | 242.17 |
| | | *For 60 Degree Bend, Deduct* | *-116.15* | |
| | | *For 30 Degree Bend, Deduct* | *-207.03* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.15* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.66* | |
| 26 05 36 00-0826 | EA | 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 721.60 | 288.31 |
| | | *For 60 Degree Bend, Deduct* | *-127.63* | |
| | | *For 30 Degree Bend, Deduct* | *-228.73* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.14* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *36.08* | |

## 26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0828 | EA | 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 342.47 | 97.58 |
| | | *For 60 Degree Bend, Deduct* | *-75.63* | |
| | | *For 30 Degree Bend, Deduct* | *-131.47* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.12* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *17.12* | |
| 26 05 36 00-0829 | EA | 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 381.21 | 118.50 |
| | | *For 60 Degree Bend, Deduct* | *-80.38* | |
| | | *For 30 Degree Bend, Deduct* | *-140.55* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.25* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.06* | |
| 26 05 36 00-0830 | EA | 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 416.79 | 137.54 |
| | | *For 60 Degree Bend, Deduct* | *-84.82* | |
| | | *For 30 Degree Bend, Deduct* | *-149.01* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.22* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *20.84* | |
| 26 05 36 00-0831 | EA | 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 503.48 | 178.01 |
| | | *For 60 Degree Bend, Deduct* | *-97.89* | |
| | | *For 30 Degree Bend, Deduct* | *-173.04* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.51* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *25.17* | |
| 26 05 36 00-0832 | EA | 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 626.07 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-120.72* | |
| | | *For 30 Degree Bend, Deduct* | *-213.64* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.94* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.30* | |
| 26 05 36 00-0833 | EA | 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 706.30 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-132.26* | |
| | | *For 30 Degree Bend, Deduct* | *-235.05* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.71* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *35.32* | |
| 26 05 36 00-0834 | EA | 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 825.35 | 318.32 |
| | | *For 60 Degree Bend, Deduct* | *-150.33* | |
| | | *For 30 Degree Bend, Deduct* | *-268.24* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.01* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *41.27* | |

## 26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0836 | EA | 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 398.10 | 126.07 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.30* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.91* | |
| 26 05 36 00-0837 | EA | 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 438.28 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.83* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.91* | |
| 26 05 36 00-0838 | EA | 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 466.94 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.43* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *23.35* | |
| 26 05 36 00-0839 | EA | 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 533.74 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.11* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.69* | |
| 26 05 36 00-0840 | EA | 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 592.16 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.55* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *29.61* | |
| 26 05 36 00-0841 | EA | 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 649.22 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.91* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *32.46* | |
| 26 05 36 00-0842 | EA | 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 715.54 | 287.81 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-47.57* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *35.78* | |

## 26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0844 | EA | 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 422.54 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.30* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.13* | |
| 26 05 36 00-0845 | EA | 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 464.05 | 151.28 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.80* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *23.20* | |
| 26 05 36 00-0846 | EA | 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 497.18 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.71* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *24.86* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0847 | EA | 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 576.87 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.29* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *28.84* | |
| 26 05 36 00-0848 | EA | 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 646.22 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.44* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *32.31* | |
| 26 05 36 00-0849 | EA | 30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 714.43 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *35.72* | |
| 26 05 36 00-0850 | EA | 36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 804.02 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.87* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *40.20* | |

## 26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0852 | EA | 6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 543.49 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.90* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *27.17* | |
| 26 05 36 00-0853 | EA | 9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 586.57 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-45.39* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *29.33* | |
| 26 05 36 00-0854 | EA | 12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 638.55 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.02* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.93* | |
| 26 05 36 00-0855 | EA | 18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 728.88 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-54.22* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *36.44* | |
| 26 05 36 00-0856 | EA | 24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 807.47 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-58.83* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *40.37* | |
| 26 05 36 00-0857 | EA | 30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 900.74 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-64.86* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *45.04* | |
| 26 05 36 00-0858 | EA | 36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,005.98 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-70.98* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *50.30* | |

## 26 05 36 00-0859 12" Radius Horizontal Tees *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0860 | EA | 6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 620.38 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-41.86* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.02* | |
| 26 05 36 00-0861 | EA | 9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 669.39 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-45.02* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *33.47* | |
| 26 05 36 00-0862 | EA | 12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 692.69 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.36* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *34.63* | |
| 26 05 36 00-0863 | EA | 18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 785.08 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.29* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.25* | |
| 26 05 36 00-0864 | EA | 24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 869.05 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-58.92* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.45* | |
| 26 05 36 00-0865 | EA | 30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 952.55 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-65.58* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *47.63* | |
| 26 05 36 00-0866 | EA | 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,102.10 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-76.61* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *55.11* | |

## 26 05 36 00-0867 24" Radius Horizontal Tees *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0868 | EA | 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 808.01 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-58.88* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *40.40* | |
| 26 05 36 00-0869 | EA | 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 871.44 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-63.12* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.57* | |
| 26 05 36 00-0870 | EA | 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 905.94 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-65.38* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *45.30* | |
| 26 05 36 00-0871 | EA | 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 997.01 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-71.71* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *49.85* | |
| 26 05 36 00-0872 | EA | 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,106.65 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-79.15* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *55.33* | |
| 26 05 36 00-0873 | EA | 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,194.52 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-85.85* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *59.73* | |
| 26 05 36 00-0874 | EA | 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,576.06 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-118.79* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *78.80* | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 26 05 36 00-0875 36" Radius Horizontal Tees *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0876 | EA | 6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,002.96 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-76.27* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *50.15* | |
| 26 05 36 00-0877 | EA | 9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,067.33 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-80.20* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *53.37* | |
| 26 05 36 00-0878 | EA | 12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,146.30 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-86.64* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *57.32* | |
| 26 05 36 00-0879 | EA | 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,248.83 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-93.37* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *62.44* | |
| 26 05 36 00-0880 | EA | 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,402.04 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-104.23* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *70.10* | |
| 26 05 36 00-0881 | EA | 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,640.04 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-125.19* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *82.00* | |
| 26 05 36 00-0882 | EA | 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,875.92 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-141.78* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *93.80* | |

## 26 05 36 00-0883 12" Radius Vertical Tees *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0884 | EA | 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 860.40 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-67.37* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.02* | |
| 26 05 36 00-0885 | EA | 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 889.32 | 232.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-69.53* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *44.47* | |
| 26 05 36 00-0886 | EA | 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 908.30 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-70.65* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *45.42* | |
| 26 05 36 00-0887 | EA | 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 953.75 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.46* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *47.69* | |
| 26 05 36 00-0888 | EA | 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,016.16 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-78.71* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *50.81* | |
| 26 05 36 00-0889 | EA | 30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,073.00 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-82.09* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *53.65* | |
| 26 05 36 00-0890 | EA | 36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,146.30 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-86.64* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *57.32* | |

## 26 05 36 00-0891 24" Radius Vertical Tees *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0892 | EA | 6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,228.21 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-102.64* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *61.41* | |
| 26 05 36 00-0893 | EA | 9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,255.54 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-104.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *62.78* | |
| 26 05 36 00-0894 | EA | 12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,284.33 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-106.52* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *64.22* | |
| 26 05 36 00-0895 | EA | 18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,351.31 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-111.11* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *67.57* | |
| 26 05 36 00-0896 | EA | 24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,396.47 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-114.43* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *69.82* | |
| 26 05 36 00-0897 | EA | 30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,473.32 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-119.34* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *73.67* | |
| 26 05 36 00-0898 | EA | 36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,625.62 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-131.05* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *81.28* | |

## 26 05 36 00-0899 36" Radius Vertical Tee *(26 05 36 00-0786)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0900 | EA | 6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,007.15 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-178.80* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *100.36* | |
| 26 05 36 00-0901 | EA | 9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,047.26 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-181.82* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *102.36* | |
| 26 05 36 00-0902 | EA | 12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,089.98 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-184.98* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *104.50* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0903 | EA | 18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,160.54 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-189.52* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *108.03* | |
| 26 05 36 00-0904 | EA | 24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,210.11 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-193.02* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *110.51* | |
| 26 05 36 00-0905 | EA | 30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,341.76 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-202.66* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *117.09* | |
| 26 05 36 00-0906 | EA | 36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,451.34 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-209.16* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *122.57* | |
| **26 05 36 00-0907** | | **12" Radius Horizontal Crosses** *(26 05 36 00-0786)* | | |
| 26 05 36 00-0908 | EA | 6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 806.41 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.43* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *40.32* | |
| 26 05 36 00-0909 | EA | 9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 864.72 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-59.94* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.24* | |
| 26 05 36 00-0910 | EA | 12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 897.48 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-61.76* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *44.87* | |
| 26 05 36 00-0911 | EA | 18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,002.31 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-70.55* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *50.12* | |
| 26 05 36 00-0912 | EA | 24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,094.99 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-75.90* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *54.75* | |
| 26 05 36 00-0913 | EA | 30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,217.20 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-85.74* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *60.86* | |
| 26 05 36 00-0914 | EA | 36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,398.33 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-101.02* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *69.92* | |
| **26 05 36 00-0915** | | **24" Radius Horizontal Crosses** *(26 05 36 00-0786)* | | |
| 26 05 36 00-0916 | EA | 6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,139.19 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-85.93* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *56.96* | |
| 26 05 36 00-0917 | EA | 9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,190.71 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-89.39* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *59.54* | |
| 26 05 36 00-0918 | EA | 12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,245.28 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-93.01* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *62.26* | |
| 26 05 36 00-0919 | EA | 18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,318.93 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-98.29* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *65.95* | |
| 26 05 36 00-0920 | EA | 24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,480.08 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-109.19* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *74.00* | |
| 26 05 36 00-0921 | EA | 30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,628.66 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-120.84* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *81.43* | |
| 26 05 36 00-0922 | EA | 36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,804.79 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-134.67* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *90.24* | |
| **26 05 36 00-0923** | | **36" Radius Horizontal Crosses** *(26 05 36 00-0786)* | | |
| 26 05 36 00-0924 | EA | 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,312.82 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-99.77* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *65.64* | |
| 26 05 36 00-0925 | EA | 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,415.60 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-107.96* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *70.78* | |
| 26 05 36 00-0926 | EA | 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,507.77 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-114.80* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *75.39* | |
| 26 05 36 00-0927 | EA | 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,579.61 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-119.15* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *78.98* | |
| 26 05 36 00-0928 | EA | 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,911.47 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-145.34* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *95.57* | |
| 26 05 36 00-0929 | EA | 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,108.84 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-160.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *105.44* | |
| 26 05 36 00-0930 | EA | 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,347.91 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-178.71* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *117.40* | |

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| CSI | | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 36 00-0931 | | | 12" Radius Vertical Cross *(26 05 36 00-0786)* | | |
| 26 05 36 00-0932 | | EA | 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 806.41 | 302.56 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.43* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *40.32* | |
| 26 05 36 00-0933 | | EA | 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 864.90 | 318.45 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-59.95* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.25* | |
| 26 05 36 00-0934 | | EA | 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 897.38 | 335.84 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-61.75* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *44.87* | |
| 26 05 36 00-0935 | | EA | 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,002.53 | 356.27 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-70.57* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *50.13* | |
| 26 05 36 00-0936 | | EA | 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,094.99 | 403.17 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-75.90* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *54.75* | |
| 26 05 36 00-0937 | | EA | 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,217.53 | 431.91 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-85.76* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *60.88* | |
| 26 05 36 00-0938 | | EA | 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,397.37 | 465.19 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-100.97* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *69.87* | |
| 26 05 36 00-0939 | | | 24" Radius Vertical Crosses *(26 05 36 00-0786)* | | |
| 26 05 36 00-0940 | | EA | 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,139.19 | 335.84 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-85.93* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *56.96* | |
| 26 05 36 00-0941 | | EA | 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,190.71 | 356.14 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-89.39* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *59.54* | |
| 26 05 36 00-0942 | | EA | 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,245.28 | 378.20 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-93.01* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *62.26* | |
| 26 05 36 00-0943 | | EA | 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,318.93 | 403.17 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-98.29* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *65.95* | |
| 26 05 36 00-0944 | | EA | 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,480.08 | 465.82 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-109.19* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *74.00* | |
| 26 05 36 00-0945 | | EA | 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,594.02 | 504.27 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-117.38* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *79.70* | |
| 26 05 36 00-0946 | | EA | 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,765.73 | 549.66 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-130.76* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *88.29* | |
| 26 05 36 00-0947 | | | 36" Radius Vertical Crosses *(26 05 36 00-0786)* | | |
| 26 05 36 00-0948 | | EA | 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,619.93 | 378.20 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-130.48* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *81.00* | |
| 26 05 36 00-0949 | | EA | 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,702.82 | 403.17 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-136.68* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *85.14* | |
| 26 05 36 00-0950 | | EA | 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,812.23 | 431.78 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-145.25* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *90.61* | |
| 26 05 36 00-0951 | | EA | 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,941.11 | 465.82 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-155.30* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *97.06* | |
| 26 05 36 00-0952 | | EA | 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,359.34 | 549.66 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-190.12* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *117.97* | |
| 26 05 36 00-0953 | | EA | 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,604.71 | 604.11 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-210.12* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *130.24* | |
| 26 05 36 00-0954 | | EA | 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,899.76 | 672.95 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-233.90* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *144.99* | |
| 26 05 36 00-0955 | | | 6" Rung Tray Fittings *(26 05 36 00-0744)* | | |
| 26 05 36 00-0956 | | | 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0955)* | | |
| 26 05 36 00-0957 | | EA | 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 340.28 | 126.45 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.49* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *17.01* | |
| 26 05 36 00-0958 | | EA | 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 372.93 | 143.97 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.29* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *18.65* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0959 | EA | 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 422.78 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.01* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.14* | |
| 26 05 36 00-0960 | EA | 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 502.43 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.98* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *25.12* | |
| 26 05 36 00-0961 | EA | 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 593.26 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.66* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *29.66* | |
| 26 05 36 00-0962 | EA | 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 653.18 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.31* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *32.66* | |
| 26 05 36 00-0963 | EA | 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 762.47 | 288.19 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-52.23* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *38.12* | |

## 26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0965 | EA | 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 448.86 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.93* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *22.44* | |
| 26 05 36 00-0966 | EA | 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 491.46 | 151.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.55* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *24.57* | |
| 26 05 36 00-0967 | EA | 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 531.16 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.11* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.56* | |
| 26 05 36 00-0968 | EA | 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 620.20 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.63* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.01* | |
| 26 05 36 00-0969 | EA | 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 702.13 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-50.04* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *35.11* | |
| 26 05 36 00-0970 | EA | 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 784.56 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.55* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.23* | |
| 26 05 36 00-0971 | EA | 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 898.08 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-63.28* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *44.90* | |

## 26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0973 | EA | 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 481.70 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.72* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *24.09* | |
| 26 05 36 00-0974 | EA | 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 524.28 | 159.10 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.17* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.21* | |
| 26 05 36 00-0975 | EA | 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 585.51 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.71* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *29.28* | |
| 26 05 36 00-0976 | EA | 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 698.25 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.15* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *34.91* | |
| 26 05 36 00-0977 | EA | 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 805.83 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-58.67* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *40.29* | |
| 26 05 36 00-0978 | EA | 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 907.85 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-65.57* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *45.39* | |
| 26 05 36 00-0979 | EA | 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,055.06 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-75.89* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *52.75* | |

## 26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-0981 | EA | 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 238.00 | 91.65 |
| | | *For 60 Degree Bend, Deduct* | *-43.42* | |
| | | *For 30 Degree Bend, Deduct* | *-77.46* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-16.17* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *11.90* | |
| 26 05 36 00-0982 | EA | 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 271.72 | 109.93 |
| | | *For 60 Degree Bend, Deduct* | *-47.55* | |
| | | *For 30 Degree Bend, Deduct* | *-85.35* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-18.02* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *13.59* | |
| 26 05 36 00-0983 | EA | 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 301.99 | 126.07 |
| | | *For 60 Degree Bend, Deduct* | *-51.33* | |
| | | *For 30 Degree Bend, Deduct* | *-92.55* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-19.69* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *15.10* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-0984 | EA | 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 373.79 | 159.35 |
| | | *For 60 Degree Bend, Deduct* | *-62.28* | |
| | | *For 30 Degree Bend, Deduct* | *-112.66* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.10* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *18.69* | |
| 26 05 36 00-0985 | EA | 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 459.78 | 195.15 |
| | | *For 60 Degree Bend, Deduct* | *-76.92* | |
| | | *For 30 Degree Bend, Deduct* | *-139.04* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.72* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *22.99* | |
| 26 05 36 00-0986 | EA | 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 527.63 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-88.23* | |
| | | *For 30 Degree Bend, Deduct* | *-159.50* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-34.09* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.38* | |
| 26 05 36 00-0987 | EA | 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 599.12 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-96.89* | |
| | | *For 30 Degree Bend, Deduct* | *-176.10* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-38.00* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *29.96* | |
| **26 05 36 00-0988** | | **45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)* | | |
| 26 05 36 00-0989 | EA | 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 272.34 | 94.55 |
| | | *For 60 Degree Bend, Deduct* | *-53.65* | |
| | | *For 30 Degree Bend, Deduct* | *-94.66* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-19.36* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *13.62* | |
| 26 05 36 00-0990 | EA | 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 317.93 | 113.96 |
| | | *For 60 Degree Bend, Deduct* | *-61.22* | |
| | | *For 30 Degree Bend, Deduct* | *-108.37* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-22.29* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *15.90* | |
| 26 05 36 00-0991 | EA | 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 350.58 | 131.61 |
| | | *For 60 Degree Bend, Deduct* | *-65.25* | |
| | | *For 30 Degree Bend, Deduct* | *-116.05* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.09* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *17.53* | |
| 26 05 36 00-0992 | EA | 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 421.24 | 168.05 |
| | | *For 60 Degree Bend, Deduct* | *-74.57* | |
| | | *For 30 Degree Bend, Deduct* | *-133.63* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.12* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.06* | |
| 26 05 36 00-0993 | EA | 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 511.93 | 208.76 |
| | | *For 60 Degree Bend, Deduct* | *-88.93* | |
| | | *For 30 Degree Bend, Deduct* | *-159.81* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.80* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *25.60* | |
| 26 05 36 00-0994 | EA | 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 600.42 | 242.17 |
| | | *For 60 Degree Bend, Deduct* | *-105.32* | |
| | | *For 30 Degree Bend, Deduct* | *-188.99* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.86* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *30.02* | |
| 26 05 36 00-0995 | EA | 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 687.15 | 288.31 |
| | | *For 60 Degree Bend, Deduct* | *-116.26* | |
| | | *For 30 Degree Bend, Deduct* | *-209.78* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.69* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *34.36* | |
| **26 05 36 00-0996** | | **45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)* | | |
| 26 05 36 00-0997 | EA | 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 316.76 | 97.58 |
| | | *For 60 Degree Bend, Deduct* | *-67.14* | |
| | | *For 30 Degree Bend, Deduct* | *-117.33* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.55* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *15.84* | |
| 26 05 36 00-0998 | EA | 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 354.96 | 118.50 |
| | | *For 60 Degree Bend, Deduct* | *-71.72* | |
| | | *For 30 Degree Bend, Deduct* | *-126.11* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.62* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *17.75* | |
| 26 05 36 00-0999 | EA | 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 390.00 | 137.54 |
| | | *For 60 Degree Bend, Deduct* | *-75.98* | |
| | | *For 30 Degree Bend, Deduct* | *-134.27* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.50* | |
| 26 05 36 00-1000 | EA | 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 473.95 | 178.01 |
| | | *For 60 Degree Bend, Deduct* | *-88.15* | |
| | | *For 30 Degree Bend, Deduct* | *-156.80* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.56* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *23.70* | |
| 26 05 36 00-1001 | EA | 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 589.98 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-108.81* | |
| | | *For 30 Degree Bend, Deduct* | *-193.79* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.33* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *29.50* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1002 | EA | 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 668.02 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-119.63* | |
| | | *For 30 Degree Bend, Deduct* | *-213.99* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.89* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *33.40* | |
| 26 05 36 00-1003 | EA | 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 783.24 | 318.32 |
| | | *For 60 Degree Bend, Deduct* | *-136.43* | |
| | | *For 30 Degree Bend, Deduct* | *-245.08* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.79* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.16* | |

## 26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1005 | EA | 6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 383.06 | 126.07 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.80* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.15* | |
| 26 05 36 00-1006 | EA | 9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 422.42 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.24* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.12* | |
| 26 05 36 00-1007 | EA | 12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 450.81 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.82* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *22.54* | |
| 26 05 36 00-1008 | EA | 18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 517.06 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.44* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *25.85* | |
| 26 05 36 00-1009 | EA | 24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 574.66 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-38.80* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *28.73* | |
| 26 05 36 00-1010 | EA | 30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 630.90 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.08* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.55* | |
| 26 05 36 00-1011 | EA | 36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 696.68 | 287.81 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-45.68* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *34.83* | |

## 26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1013 | EA | 6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 406.27 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.67* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *20.31* | |
| 26 05 36 00-1014 | EA | 9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 447.09 | 151.28 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.10* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *22.35* | |
| 26 05 36 00-1015 | EA | 12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 479.82 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.97* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *23.99* | |
| 26 05 36 00-1016 | EA | 18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 558.55 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-38.46* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *27.93* | |
| 26 05 36 00-1017 | EA | 24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 626.80 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.50* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.34* | |
| 26 05 36 00-1018 | EA | 30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 693.92 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.49* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *34.70* | |
| 26 05 36 00-1019 | EA | 36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 782.14 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.68* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.11* | |

## 26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1021 | EA | 6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 518.34 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.38* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *25.92* | |
| 26 05 36 00-1022 | EA | 9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 560.87 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.82* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *28.04* | |
| 26 05 36 00-1023 | EA | 12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 611.21 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.28* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *30.56* | |
| 26 05 36 00-1024 | EA | 18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 700.44 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.37* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *35.02* | |
| 26 05 36 00-1025 | EA | 24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 777.94 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.88* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *38.90* | |
| 26 05 36 00-1026 | EA | 30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 869.02 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-61.69* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.45* | |
| 26 05 36 00-1027 | EA | 36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 972.90 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-67.67* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.65* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 26 05 36 00-1028 12" Radius Horizontal Tees *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1029 | EA | 6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 603.70 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.19* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *30.19* | |
| 26 05 36 00-1030 | EA | 9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 651.61 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.24* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *32.58* | |
| 26 05 36 00-1031 | EA | 12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 674.65 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.56* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *33.73* | |
| 26 05 36 00-1032 | EA | 18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 763.48 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.13* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *38.17* | |
| 26 05 36 00-1033 | EA | 24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 845.26 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *42.26* | |
| 26 05 36 00-1034 | EA | 30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 924.93 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-62.82* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *46.25* | |
| 26 05 36 00-1035 | EA | 36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,069.02 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.30* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *53.45* | |

## 26 05 36 00-1036 24" Radius Horizontal Tees *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1037 | EA | 6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 779.58 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.04* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *38.98* | |
| 26 05 36 00-1038 | EA | 9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 841.36 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-60.11* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *42.07* | |
| 26 05 36 00-1039 | EA | 12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 875.04 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-62.29* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.75* | |
| 26 05 36 00-1040 | EA | 18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 963.38 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-68.35* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.17* | |
| 26 05 36 00-1041 | EA | 24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,070.01 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-75.48* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *53.50* | |
| 26 05 36 00-1042 | EA | 30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,154.33 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-81.83* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *57.72* | |
| 26 05 36 00-1043 | EA | 36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,514.54 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-112.64* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *75.73* | |

## 26 05 36 00-1044 36" Radius Horizontal Tees *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1045 | EA | 6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 962.77 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-72.26* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.14* | |
| 26 05 36 00-1046 | EA | 9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,026.04 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-76.07* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *51.30* | |
| 26 05 36 00-1047 | EA | 12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,101.19 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-82.13* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *55.06* | |
| 26 05 36 00-1048 | EA | 18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,201.26 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-88.61* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *60.06* | |
| 26 05 36 00-1049 | EA | 24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,349.54 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-98.98* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *67.48* | |
| 26 05 36 00-1050 | EA | 30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,573.60 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-118.55* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *78.68* | |
| 26 05 36 00-1051 | EA | 36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,802.10 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-134.40* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *90.11* | |

## 26 05 36 00-1052 12" Radius Vertical Tees *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1053 | EA | 6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 822.94 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-63.62* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *41.15* | |
| 26 05 36 00-1054 | EA | 9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 850.77 | 232.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-65.67* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *42.54* | |
| 26 05 36 00-1055 | EA | 12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 869.47 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-66.77* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.47* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1056 | EA | 18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 914.10 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-69.49* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *45.71* | |
| 26 05 36 00-1057 | EA | 24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 973.23 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-74.42* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.66* | |
| 26 05 36 00-1058 | EA | 30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,029.25 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-77.71* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *51.46* | |
| 26 05 36 00-1059 | EA | 36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,101.19 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-82.13* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *55.06* | |

## 26 05 36 00-1060 24" Radius Vertical Tees *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1061 | EA | 6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,164.77 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-96.30* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *58.24* | |
| 26 05 36 00-1062 | EA | 9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,191.29 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-98.12* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *59.56* | |
| 26 05 36 00-1063 | EA | 12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,219.25 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-100.01* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *60.96* | |
| 26 05 36 00-1064 | EA | 18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,284.32 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-104.41* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *64.22* | |
| 26 05 36 00-1065 | EA | 24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,327.84 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-107.57* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *66.39* | |
| 26 05 36 00-1066 | EA | 30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,403.05 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-112.32* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *70.15* | |
| 26 05 36 00-1067 | EA | 36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,549.06 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-123.39* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *77.45* | |

## 26 05 36 00-1068 36" Radius Vertical Tees *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1069 | EA | 6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,886.47 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-166.73* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *94.32* | |
| 26 05 36 00-1070 | EA | 9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,925.02 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-169.60* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *96.25* | |
| 26 05 36 00-1071 | EA | 12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,966.17 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-172.60* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *98.31* | |
| 26 05 36 00-1072 | EA | 18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,035.15 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-176.99* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *101.76* | |
| 26 05 36 00-1073 | EA | 24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,083.17 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-180.33* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *104.16* | |
| 26 05 36 00-1074 | EA | 30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,210.11 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-189.49* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *110.51* | |
| 26 05 36 00-1075 | EA | 36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,318.13 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-195.84* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *115.91* | |

## 26 05 36 00-1076 12" Radius Horizontal Crosses *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1077 | EA | 6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 783.17 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.10* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.16* | |
| 26 05 36 00-1078 | EA | 9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 839.02 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.37* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *41.95* | |
| 26 05 36 00-1079 | EA | 12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 871.51 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-59.16* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.58* | |
| 26 05 36 00-1080 | EA | 18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 970.87 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-67.41* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.54* | |
| 26 05 36 00-1081 | EA | 24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,062.46 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-72.65* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *53.12* | |
| 26 05 36 00-1082 | EA | 30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,178.92 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-81.91* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *58.95* | |
| 26 05 36 00-1083 | EA | 36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,350.48 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-96.23* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *67.52* | |

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| CSI | | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 26 05 36 00-1084 | | | **24" Radius Horizontal Crosses** *(26 05 36 00-0955)* | | |
| 26 05 36 00-1085 | | EA | 6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,094.63 | 335.84 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-81.47* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *54.73* | |
| 26 05 36 00-1086 | | EA | 9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,144.77 | 356.14 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-84.80* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *57.24* | |
| 26 05 36 00-1087 | | EA | 12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,197.98 | 378.20 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-88.28* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *59.90* | |
| 26 05 36 00-1088 | | EA | 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,269.17 | 403.17 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-93.32* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *63.46* | |
| 26 05 36 00-1089 | | EA | 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,425.94 | 465.82 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-103.78* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *71.30* | |
| 26 05 36 00-1090 | | EA | 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,536.05 | 504.27 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-111.58* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *76.80* | |
| 26 05 36 00-1091 | | EA | 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,700.38 | 549.66 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-124.23* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *85.02* | |
| 26 05 36 00-1092 | | | **36" Radius Horizontal Crosses** *(26 05 36 00-0955)* | | |
| 26 05 36 00-1093 | | EA | 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,260.32 | 378.20 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-94.52* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *63.02* | |
| 26 05 36 00-1094 | | EA | 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,328.23 | 403.17 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-99.22* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *66.41* | |
| 26 05 36 00-1095 | | EA | 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,415.16 | 431.78 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-105.54* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *70.76* | |
| 26 05 36 00-1096 | | EA | 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,517.82 | 465.82 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-112.97* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *75.89* | |
| 26 05 36 00-1097 | | EA | 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,834.91 | 549.66 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-137.68* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *91.75* | |
| 26 05 36 00-1098 | | EA | 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,024.08 | 604.11 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-152.06* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *101.20* | |
| 26 05 36 00-1099 | | EA | 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,253.58 | 672.95 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-169.28* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *112.68* | |
| 26 05 36 00-1100 | | | **12" Radius Vertical Crosses** *(26 05 36 00-0955)* | | |
| 26 05 36 00-1101 | | EA | 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 783.17 | 302.56 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.10* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.16* | |
| 26 05 36 00-1102 | | EA | 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 839.20 | 318.45 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.38* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *41.96* | |
| 26 05 36 00-1103 | | EA | 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 871.41 | 335.84 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-59.16* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.57* | |
| 26 05 36 00-1104 | | EA | 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 971.09 | 356.27 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-67.42* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.55* | |
| 26 05 36 00-1105 | | EA | 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,062.46 | 403.17 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-72.65* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *53.12* | |
| 26 05 36 00-1106 | | EA | 30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,179.25 | 431.91 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-81.93* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *58.96* | |
| 26 05 36 00-1107 | | EA | 36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,349.52 | 465.19 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-96.19* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *67.48* | |
| 26 05 36 00-1108 | | | **24" Radius Vertical Crosses** *(26 05 36 00-0955)* | | |
| 26 05 36 00-1109 | | EA | 6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,094.63 | 335.84 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-81.47* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *54.73* | |
| 26 05 36 00-1110 | | EA | 9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,144.77 | 356.14 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-84.80* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *57.24* | |
| 26 05 36 00-1111 | | EA | 12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,197.98 | 378.20 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-88.28* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *59.90* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1112 | EA | 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,269.17 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-93.32* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *63.46* | |
| 26 05 36 00-1113 | EA | 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,425.94 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-103.78* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *71.30* | |
| 26 05 36 00-1114 | EA | 30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,536.05 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-111.58* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *76.80* | |
| 26 05 36 00-1115 | EA | 36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,700.38 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-124.23* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *85.02* | |

## 26 05 36 00-1116 36" Radius Vertical Crosses *(26 05 36 00-0955)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1117 | EA | 6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,543.81 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-122.86* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *77.19* | |
| 26 05 36 00-1118 | EA | 9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,623.53 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-128.75* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *81.18* | |
| 26 05 36 00-1119 | EA | 12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,728.18 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-136.84* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *86.41* | |
| 26 05 36 00-1120 | EA | 18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,851.51 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-146.34* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *92.58* | |
| 26 05 36 00-1121 | EA | 24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,248.33 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-179.02* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *112.42* | |
| 26 05 36 00-1122 | EA | 30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,481.80 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-197.83* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *124.09* | |
| 26 05 36 00-1123 | EA | 36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,762.98 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-220.22* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *138.15* | |

## 26 05 36 00-1124 9" Rung Tray Fittings *(26 05 36 00-0744)*

## 26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1126 | EA | 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 318.68 | 126.45 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.33* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *15.93* | |
| 26 05 36 00-1127 | EA | 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 350.78 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.08* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *17.54* | |
| 26 05 36 00-1128 | EA | 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 396.54 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.39* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.83* | |
| 26 05 36 00-1129 | EA | 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 472.90 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.03* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *23.65* | |
| 26 05 36 00-1130 | EA | 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 556.62 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.99* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *27.83* | |
| 26 05 36 00-1131 | EA | 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 614.35 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.42* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *30.72* | |
| 26 05 36 00-1132 | EA | 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 715.44 | 288.19 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-47.53* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *35.77* | |

## 26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1124)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1134 | EA | 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 410.58 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.10* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *20.53* | |
| 26 05 36 00-1135 | EA | 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 451.54 | 151.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.56* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *22.58* | |
| 26 05 36 00-1136 | EA | 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 489.32 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-34.92* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *24.47* | |
| 26 05 36 00-1137 | EA | 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 574.82 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.09* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *28.74* | |
| 26 05 36 00-1138 | EA | 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 652.37 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-45.06* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *32.62* | |
| 26 05 36 00-1139 | EA | 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 730.15 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-50.11* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *36.51* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1140 | EA | 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 836.83 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.15* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *41.84* | |
| **26 05 36 00-1141** | | **90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1124)* | | |
| 26 05 36 00-1142 | EA | 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 439.59 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.51* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.98* | |
| 26 05 36 00-1143 | EA | 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 481.08 | 159.10 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-34.85* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *24.05* | |
| 26 05 36 00-1144 | EA | 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 537.39 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-38.90* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.87* | |
| 26 05 36 00-1145 | EA | 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 644.11 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-45.74* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *32.21* | |
| 26 05 36 00-1146 | EA | 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 744.58 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-52.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *37.23* | |
| 26 05 36 00-1147 | EA | 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 840.59 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-58.85* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *42.03* | |
| 26 05 36 00-1148 | EA | 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 977.95 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-68.17* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.90* | |
| **26 05 36 00-1149** | | **45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1124)* | | |
| 26 05 36 00-1150 | EA | 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 223.78 | 91.65 |
| | | *For 60 Degree Bend, Deduct* | *-38.73* | |
| | | *For 30 Degree Bend, Deduct* | *-69.64* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-14.74* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *11.19* | |
| 26 05 36 00-1151 | EA | 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 256.96 | 109.93 |
| | | *For 60 Degree Bend, Deduct* | *-42.68* | |
| | | *For 30 Degree Bend, Deduct* | *-77.23* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-16.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *12.85* | |
| 26 05 36 00-1152 | EA | 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 286.68 | 126.07 |
| | | *For 60 Degree Bend, Deduct* | *-46.28* | |
| | | *For 30 Degree Bend, Deduct* | *-84.13* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-18.16* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *14.33* | |
| 26 05 36 00-1153 | EA | 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 355.74 | 159.35 |
| | | *For 60 Degree Bend, Deduct* | *-56.33* | |
| | | *For 30 Degree Bend, Deduct* | *-102.73* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-22.30* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *17.79* | |
| 26 05 36 00-1154 | EA | 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 437.36 | 195.15 |
| | | *For 60 Degree Bend, Deduct* | *-69.52* | |
| | | *For 30 Degree Bend, Deduct* | *-126.71* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.47* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.87* | |
| 26 05 36 00-1155 | EA | 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 501.93 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-79.75* | |
| | | *For 30 Degree Bend, Deduct* | *-145.36* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.52* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *25.10* | |
| 26 05 36 00-1156 | EA | 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 572.32 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-88.05* | |
| | | *For 30 Degree Bend, Deduct* | *-161.36* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.32* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *28.62* | |
| **26 05 36 00-1157** | | **45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1124)* | | |
| 26 05 36 00-1158 | EA | 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 253.20 | 94.55 |
| | | *For 60 Degree Bend, Deduct* | *-47.33* | |
| | | *For 30 Degree Bend, Deduct* | *-84.14* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-17.45* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *12.66* | |
| 26 05 36 00-1159 | EA | 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 296.61 | 113.96 |
| | | *For 60 Degree Bend, Deduct* | *-54.19* | |
| | | *For 30 Degree Bend, Deduct* | *-96.65* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-20.16* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *14.83* | |
| 26 05 36 00-1160 | EA | 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 328.70 | 131.61 |
| | | *For 60 Degree Bend, Deduct* | *-58.03* | |
| | | *For 30 Degree Bend, Deduct* | *-104.02* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.90* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *16.44* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1161 | EA | 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 397.72 | 168.05 |
| | | *For 60 Degree Bend, Deduct* | *-66.81* | |
| | | *For 30 Degree Bend, Deduct* | *-120.69* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.76* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.89* | |
| 26 05 36 00-1162 | EA | 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 484.58 | 208.76 |
| | | *For 60 Degree Bend, Deduct* | *-79.90* | |
| | | *For 30 Degree Bend, Deduct* | *-144.76* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.06* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *24.23* | |
| 26 05 36 00-1163 | EA | 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 567.61 | 242.17 |
| | | *For 60 Degree Bend, Deduct* | *-94.49* | |
| | | *For 30 Degree Bend, Deduct* | *-170.94* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.58* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *28.38* | |
| 26 05 36 00-1164 | EA | 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 652.70 | 288.31 |
| | | *For 60 Degree Bend, Deduct* | *-104.89* | |
| | | *For 30 Degree Bend, Deduct* | *-190.83* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-41.25* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *32.64* | |

## 26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1166 | EA | 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 291.06 | 97.58 |
| | | *For 60 Degree Bend, Deduct* | *-58.66* | |
| | | *For 30 Degree Bend, Deduct* | *-103.19* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-20.98* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *14.55* | |
| 26 05 36 00-1167 | EA | 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 328.72 | 118.50 |
| | | *For 60 Degree Bend, Deduct* | *-63.06* | |
| | | *For 30 Degree Bend, Deduct* | *-111.68* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.00* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *16.44* | |
| 26 05 36 00-1168 | EA | 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 363.20 | 137.54 |
| | | *For 60 Degree Bend, Deduct* | *-67.14* | |
| | | *For 30 Degree Bend, Deduct* | *-119.53* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.86* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *18.16* | |
| 26 05 36 00-1169 | EA | 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 444.42 | 178.01 |
| | | *For 60 Degree Bend, Deduct* | *-78.40* | |
| | | *For 30 Degree Bend, Deduct* | *-140.56* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.60* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *22.22* | |
| 26 05 36 00-1170 | EA | 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 553.88 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-96.89* | |
| | | *For 30 Degree Bend, Deduct* | *-173.94* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.72* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *27.69* | |
| 26 05 36 00-1171 | EA | 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 629.74 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-107.00* | |
| | | *For 30 Degree Bend, Deduct* | *-192.94* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-41.06* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.49* | |
| 26 05 36 00-1172 | EA | 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 741.13 | 318.32 |
| | | *For 60 Degree Bend, Deduct* | *-122.54* | |
| | | *For 30 Degree Bend, Deduct* | *-221.92* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-47.58* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *37.06* | |

## 26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1124)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1174 | EA | 6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 360.51 | 126.07 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.55* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *18.03* | |
| 26 05 36 00-1175 | EA | 9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 398.63 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.86* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.93* | |
| 26 05 36 00-1176 | EA | 12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 426.61 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.40* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.33* | |
| 26 05 36 00-1177 | EA | 18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 492.04 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-32.94* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *24.60* | |
| 26 05 36 00-1178 | EA | 24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 548.41 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.17* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *27.42* | |
| 26 05 36 00-1179 | EA | 30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 603.42 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.33* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *30.17* | |
| 26 05 36 00-1180 | EA | 36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 668.38 | 287.81 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.85* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *33.42* | |

## 26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1124)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1182 | EA | 6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 381.87 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.23* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.09* | |
| 26 05 36 00-1183 | EA | 9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 421.67 | 151.28 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.56* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.08* | |
| 26 05 36 00-1184 | EA | 12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 453.78 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.37* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *22.69* | |
| 26 05 36 00-1185 | EA | 18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 531.07 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.71* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.55* | |
| 26 05 36 00-1186 | EA | 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 597.68 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.59* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *29.88* | |
| 26 05 36 00-1187 | EA | 30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 663.16 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.41* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *33.16* | |
| 26 05 36 00-1188 | EA | 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 749.33 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.40* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *37.47* | |
| **26 05 36 00-1189** | | **90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1124)* | | |
| 26 05 36 00-1190 | EA | 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 480.60 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.61* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *24.03* | |
| 26 05 36 00-1191 | EA | 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 522.31 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-38.97* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.12* | |
| 26 05 36 00-1192 | EA | 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 570.20 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-42.18* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *28.51* | |
| 26 05 36 00-1193 | EA | 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 657.79 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-47.11* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *32.89* | |
| 26 05 36 00-1194 | EA | 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 733.64 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.45* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *36.68* | |
| 26 05 36 00-1195 | EA | 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 821.45 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.93* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *41.07* | |
| 26 05 36 00-1196 | EA | 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 923.27 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-62.71* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *46.16* | |
| **26 05 36 00-1197** | | **12" Radius Horizontal Tees** *(26 05 36 00-1124)* | | |
| 26 05 36 00-1198 | EA | 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 570.34 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.86* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *28.52* | |
| 26 05 36 00-1199 | EA | 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 616.07 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.69* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *30.80* | |
| 26 05 36 00-1200 | EA | 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 638.55 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.95* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.93* | |
| 26 05 36 00-1201 | EA | 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 720.28 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.81* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *36.01* | |
| 26 05 36 00-1202 | EA | 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 797.68 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.78* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.88* | |
| 26 05 36 00-1203 | EA | 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 869.70 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.29* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.49* | |
| 26 05 36 00-1204 | EA | 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,002.85 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-66.69* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *50.14* | |
| **26 05 36 00-1205** | | **24" Radius Horizontal Tees** *(26 05 36 00-1124)* | | |
| 26 05 36 00-1206 | EA | 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 722.71 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-50.35* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *36.14* | |
| 26 05 36 00-1207 | EA | 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 781.21 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-54.10* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.06* | |
| 26 05 36 00-1208 | EA | 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 813.24 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.11* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *40.66* | |
| 26 05 36 00-1209 | EA | 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 896.12 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-61.62* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *44.81* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1210 | EA | 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 996.73 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-68.16* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *49.84* | |
| 26 05 36 00-1211 | EA | 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,073.94 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.79* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *53.70* | |
| 26 05 36 00-1212 | EA | 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,391.49 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-100.34* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *69.57* | |

## 26 05 36 00-1213 36" Radius Horizontal Tees *(26 05 36 00-1124)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1214 | EA | 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 882.38 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-64.22* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *44.12* | |
| 26 05 36 00-1215 | EA | 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 943.47 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-67.82* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *47.17* | |
| 26 05 36 00-1216 | EA | 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,010.96 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.11* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *50.55* | |
| 26 05 36 00-1217 | EA | 18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,106.10 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-79.09* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *55.31* | |
| 26 05 36 00-1218 | EA | 24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,244.54 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-88.48* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *62.23* | |
| 26 05 36 00-1219 | EA | 30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,440.71 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-105.26* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *72.04* | |
| 26 05 36 00-1220 | EA | 36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,654.45 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-119.64* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *82.72* | |

## 26 05 36 00-1221 12" Radius Vertical Tees *(26 05 36 00-1124)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1222 | EA | 6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 748.02 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.13* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *37.40* | |
| 26 05 36 00-1223 | EA | 9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 773.66 | 232.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.96* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *38.68* | |
| 26 05 36 00-1224 | EA | 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 791.82 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-59.00* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.59* | |
| 26 05 36 00-1225 | EA | 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 834.81 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-61.56* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *41.74* | |
| 26 05 36 00-1226 | EA | 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 887.37 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-65.83* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *44.37* | |
| 26 05 36 00-1227 | EA | 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 941.75 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-68.96* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *47.09* | |
| 26 05 36 00-1228 | EA | 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,010.96 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-73.11* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *50.55* | |

## 26 05 36 00-1229 24" Radius Vertical Tees *(26 05 36 00-1124)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1230 | EA | 6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,037.90 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-83.61* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *51.90* | |
| 26 05 36 00-1231 | EA | 9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,062.78 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-85.27* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *53.14* | |
| 26 05 36 00-1232 | EA | 12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,089.10 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-86.99* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *54.46* | |
| 26 05 36 00-1233 | EA | 18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,150.34 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-91.01* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *57.52* | |
| 26 05 36 00-1234 | EA | 24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,190.57 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-93.84* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *59.53* | |
| 26 05 36 00-1235 | EA | 30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,262.51 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-98.26* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *63.13* | |
| 26 05 36 00-1236 | EA | 36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,395.94 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-108.08* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *69.80* | |

## 26 05 36 00-1237 36" Radius Vertical Tees *(26 05 36 00-1124)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1238 | EA | 6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,645.11 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-142.59* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *82.26* | |
| 26 05 36 00-1239 | EA | 9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,680.53 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-145.15* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *84.03* | |
| 26 05 36 00-1240 | EA | 12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,718.55 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-147.83* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *85.93* | |
| 26 05 36 00-1241 | EA | 18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,784.39 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-151.91* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *89.22* | |
| 26 05 36 00-1242 | EA | 24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,829.27 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-154.94* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *91.46* | |
| 26 05 36 00-1243 | EA | 30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,946.81 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-163.16* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *97.34* | |
| 26 05 36 00-1244 | EA | 36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,051.70 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-169.19* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *102.59* | |
| **26 05 36 00-1245** | | **12" Radius Horizontal Crosses** *(26 05 36 00-1124)* | | |
| 26 05 36 00-1246 | EA | 6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 736.68 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.45* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *36.83* | |
| 26 05 36 00-1247 | EA | 9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 787.61 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-52.23* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.38* | |
| 26 05 36 00-1248 | EA | 12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 819.56 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.97* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *40.98* | |
| 26 05 36 00-1249 | EA | 18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 907.98 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-61.12* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *45.40* | |
| 26 05 36 00-1250 | EA | 24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 997.38 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-66.14* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *49.87* | |
| 26 05 36 00-1251 | EA | 30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,102.36 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-74.26* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *55.12* | |
| 26 05 36 00-1252 | EA | 36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,254.78 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-86.66* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *62.74* | |
| **26 05 36 00-1253** | | **24" Radius Horizontal Crosses** *(26 05 36 00-1124)* | | |
| 26 05 36 00-1254 | EA | 6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,005.49 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-72.56* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *50.27* | |
| 26 05 36 00-1255 | EA | 9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,052.90 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-75.61* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *52.65* | |
| 26 05 36 00-1256 | EA | 12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,103.37 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-78.82* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *55.17* | |
| 26 05 36 00-1257 | EA | 18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,169.64 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-83.36* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *58.48* | |
| 26 05 36 00-1258 | EA | 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,317.67 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-92.95* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *65.88* | |
| 26 05 36 00-1259 | EA | 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,420.12 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-99.99* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *71.01* | |
| 26 05 36 00-1260 | EA | 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,569.68 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-111.16* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *78.48* | |
| **26 05 36 00-1261** | | **36" Radius Horizontal Crosses** *(26 05 36 00-1124)* | | |
| 26 05 36 00-1262 | EA | 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,155.32 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-84.02* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *57.77* | |
| 26 05 36 00-1263 | EA | 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,218.86 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-88.29* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *60.94* | |
| 26 05 36 00-1264 | EA | 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,299.23 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-93.95* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *64.96* | |
| 26 05 36 00-1265 | EA | 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,394.23 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-100.61* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *69.71* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1266 | EA | 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,681.79 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-122.37* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *84.09* | |
| 26 05 36 00-1267 | EA | 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,854.56 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-135.11* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *92.73* | |
| 26 05 36 00-1268 | EA | 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,064.92 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-150.41* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *103.25* | |

### 26 05 36 00-1269 12" Radius Vertical Crosses *(26 05 36 00-1124)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1270 | EA | 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 736.68 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.45* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *36.83* | |
| 26 05 36 00-1271 | EA | 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 787.61 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-52.23* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.38* | |
| 26 05 36 00-1272 | EA | 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 819.56 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.97* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *40.98* | |
| 26 05 36 00-1273 | EA | 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 907.98 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-61.12* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *45.40* | |
| 26 05 36 00-1274 | EA | 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 997.38 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-66.14* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *49.87* | |
| 26 05 36 00-1275 | EA | 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,102.36 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-74.26* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *55.12* | |
| 26 05 36 00-1276 | EA | 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,252.87 | 464.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-86.57* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *62.64* | |

### 26 05 36 00-1277 24" Radius Vertical Crosses *(26 05 36 00-1124)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1278 | EA | 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,005.49 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-72.56* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *50.27* | |
| 26 05 36 00-1279 | EA | 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,052.90 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-75.61* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *52.65* | |
| 26 05 36 00-1280 | EA | 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,103.37 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-78.82* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *55.17* | |
| 26 05 36 00-1281 | EA | 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,169.64 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-83.36* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *58.48* | |
| 26 05 36 00-1282 | EA | 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,317.67 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-92.95* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *65.88* | |
| 26 05 36 00-1283 | EA | 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,420.12 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-99.99* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *71.01* | |
| 26 05 36 00-1284 | EA | 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,569.68 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-111.16* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *78.48* | |

### 26 05 36 00-1285 36" Radius Vertical Crosses *(26 05 36 00-1124)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1286 | EA | 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,391.56 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-107.64* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *69.58* | |
| 26 05 36 00-1287 | EA | 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,464.94 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-112.89* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *73.25* | |
| 26 05 36 00-1288 | EA | 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,560.08 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-120.03* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *78.00* | |
| 26 05 36 00-1289 | EA | 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,672.30 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-128.42* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *83.62* | |
| 26 05 36 00-1290 | EA | 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,026.31 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-156.82* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *101.32* | |
| 26 05 36 00-1291 | EA | 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,235.99 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-173.25* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *111.80* | |
| 26 05 36 00-1292 | EA | 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,489.41 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-192.86* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *124.47* | |

### 26 05 36 00-1293 12" Rung Tray Fittings *(26 05 36 00-0744)*

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| **26 05 36 00-1294** | | | **90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)* | | |
| 26 05 36 00-1295 | | EA | 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 311.12 | 126.45 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-20.58* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *15.56* | |
| 26 05 36 00-1296 | | EA | 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 343.03 | 143.97 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-22.30* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *17.15* | |
| 26 05 36 00-1297 | | EA | 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 387.35 | 159.22 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.47* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.37* | |
| 26 05 36 00-1298 | | EA | 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 462.57 | 195.15 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.99* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *23.13* | |
| 26 05 36 00-1299 | | EA | 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 543.79 | 224.03 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.71* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *27.19* | |
| 26 05 36 00-1300 | | EA | 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 600.76 | 252.14 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.07* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *30.04* | |
| 26 05 36 00-1301 | | EA | 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 698.98 | 288.19 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-45.88* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *34.95* | |
| **26 05 36 00-1302** | | | **90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1293)* | | |
| 26 05 36 00-1303 | | EA | 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 397.18 | 131.49 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.76* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.86* | |
| 26 05 36 00-1304 | | EA | 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 437.57 | 151.15 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.16* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.88* | |
| 26 05 36 00-1305 | | EA | 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 474.68 | 168.05 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.46* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *23.73* | |
| 26 05 36 00-1306 | | EA | 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 558.93 | 208.76 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-38.50* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *27.95* | |
| 26 05 36 00-1307 | | EA | 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 634.95 | 242.17 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.32* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.75* | |
| 26 05 36 00-1308 | | EA | 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 711.11 | 274.82 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.21* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *35.56* | |
| 26 05 36 00-1309 | | EA | 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 815.39 | 318.32 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.01* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *40.77* | |
| **26 05 36 00-1310** | | | **90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1293)* | | |
| 26 05 36 00-1311 | | EA | 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 424.85 | 137.41 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.03* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.24* | |
| 26 05 36 00-1312 | | EA | 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 465.96 | 159.10 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.34* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *23.30* | |
| 26 05 36 00-1313 | | EA | 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 520.54 | 178.01 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.22* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.03* | |
| 26 05 36 00-1314 | | EA | 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 625.17 | 224.03 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-43.85* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.26* | |
| 26 05 36 00-1315 | | EA | 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 723.14 | 262.98 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-50.40* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *36.16* | |
| 26 05 36 00-1316 | | EA | 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 817.04 | 302.56 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-56.49* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *40.85* | |
| 26 05 36 00-1317 | | EA | 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 950.97 | 355.51 |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-65.48* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *47.55* | |
| **26 05 36 00-1318** | | | **45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)* | | |
| 26 05 36 00-1319 | | EA | 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 218.80 | 91.65 |
| | | | *For 60 Degree Bend, Deduct* | *-37.09* | |
| | | | *For 30 Degree Bend, Deduct* | *-66.90* | |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-14.25* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *10.94* | |
| 26 05 36 00-1320 | | EA | 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 251.79 | 109.93 |
| | | | *For 60 Degree Bend, Deduct* | *-40.97* | |
| | | | *For 30 Degree Bend, Deduct* | *-74.39* | |
| | | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-16.02* | |
| | | | *For 6" Overall Height Instead Of 4-5/8", Add* | *12.59* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1321 | EA | 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 281.32 | 126.07 |
| | | *For 60 Degree Bend, Deduct* | *-44.51* | |
| | | *For 30 Degree Bend, Deduct* | *-81.18* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-17.63* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *14.07* | |
| 26 05 36 00-1322 | EA | 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 349.43 | 159.35 |
| | | *For 60 Degree Bend, Deduct* | *-54.24* | |
| | | *For 30 Degree Bend, Deduct* | *-99.26* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.67* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *17.47* | |
| 26 05 36 00-1323 | EA | 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 429.51 | 195.15 |
| | | *For 60 Degree Bend, Deduct* | *-66.93* | |
| | | *For 30 Degree Bend, Deduct* | *-122.39* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.69* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.48* | |
| 26 05 36 00-1324 | EA | 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 492.94 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-76.78* | |
| | | *For 30 Degree Bend, Deduct* | *-140.42* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.62* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *24.65* | |
| 26 05 36 00-1325 | EA | 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 562.94 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-84.95* | |
| | | *For 30 Degree Bend, Deduct* | *-156.20* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-34.38* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *28.15* | |

## 26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1293)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1327 | EA | 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 246.50 | 94.55 |
| | | *For 60 Degree Bend, Deduct* | *-45.12* | |
| | | *For 30 Degree Bend, Deduct* | *-80.45* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-16.78* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *12.33* | |
| 26 05 36 00-1328 | EA | 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 289.14 | 113.96 |
| | | *For 60 Degree Bend, Deduct* | *-51.72* | |
| | | *For 30 Degree Bend, Deduct* | *-92.54* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-19.42* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *14.46* | |
| 26 05 36 00-1329 | EA | 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 321.05 | 131.61 |
| | | *For 60 Degree Bend, Deduct* | *-55.50* | |
| | | *For 30 Degree Bend, Deduct* | *-99.81* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-21.14* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *16.05* | |
| 26 05 36 00-1330 | EA | 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 389.49 | 168.05 |
| | | *For 60 Degree Bend, Deduct* | *-64.10* | |
| | | *For 30 Degree Bend, Deduct* | *-116.17* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.94* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.47* | |
| 26 05 36 00-1331 | EA | 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 475.01 | 208.76 |
| | | *For 60 Degree Bend, Deduct* | *-76.74* | |
| | | *For 30 Degree Bend, Deduct* | *-139.50* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.11* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *23.75* | |
| 26 05 36 00-1332 | EA | 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 556.12 | 242.17 |
| | | *For 60 Degree Bend, Deduct* | *-90.70* | |
| | | *For 30 Degree Bend, Deduct* | *-164.62* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.43* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *27.81* | |
| 26 05 36 00-1333 | EA | 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 640.64 | 288.31 |
| | | *For 60 Degree Bend, Deduct* | *-100.91* | |
| | | *For 30 Degree Bend, Deduct* | *-184.20* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.04* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *32.03* | |

## 26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1293)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1335 | EA | 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 282.07 | 97.58 |
| | | *For 60 Degree Bend, Deduct* | *-55.70* | |
| | | *For 30 Degree Bend, Deduct* | *-98.25* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-20.08* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *14.10* | |
| 26 05 36 00-1336 | EA | 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 319.53 | 118.50 |
| | | *For 60 Degree Bend, Deduct* | *-60.03* | |
| | | *For 30 Degree Bend, Deduct* | *-106.63* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-22.08* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *15.98* | |
| 26 05 36 00-1337 | EA | 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 353.82 | 137.54 |
| | | *For 60 Degree Bend, Deduct* | *-64.04* | |
| | | *For 30 Degree Bend, Deduct* | *-114.37* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-23.92* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *17.69* | |
| 26 05 36 00-1338 | EA | 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 434.09 | 178.01 |
| | | *For 60 Degree Bend, Deduct* | *-74.99* | |
| | | *For 30 Degree Bend, Deduct* | *-134.88* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.57* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.70* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1339 | EA | 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 541.25 | 224.03 |
| | | *For 60 Degree Bend, Deduct* | *-92.73* | |
| | | *For 30 Degree Bend, Deduct* | *-166.99* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.45* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *27.06* | |
| 26 05 36 00-1340 | EA | 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 616.34 | 262.98 |
| | | *For 60 Degree Bend, Deduct* | *-102.57* | |
| | | *For 30 Degree Bend, Deduct* | *-185.57* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.72* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *30.82* | |
| 26 05 36 00-1341 | EA | 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 726.39 | 318.32 |
| | | *For 60 Degree Bend, Deduct* | *-117.67* | |
| | | *For 30 Degree Bend, Deduct* | *-213.81* | |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.11* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *36.32* | |

## 26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1293)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1343 | EA | 6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 345.47 | 126.07 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.04* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *17.27* | |
| 26 05 36 00-1344 | EA | 9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 382.77 | 143.97 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.28* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.14* | |
| 26 05 36 00-1345 | EA | 12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 410.48 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.78* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *20.52* | |
| 26 05 36 00-1346 | EA | 18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 475.36 | 195.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-31.27* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *23.77* | |
| 26 05 36 00-1347 | EA | 24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 530.91 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-34.42* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *26.55* | |
| 26 05 36 00-1348 | EA | 30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 585.10 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.50* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *29.26* | |
| 26 05 36 00-1349 | EA | 36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 649.51 | 287.81 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-40.97* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *32.48* | |

## 26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1293)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1351 | EA | 6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 365.60 | 131.49 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-25.60* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *18.28* | |
| 26 05 36 00-1352 | EA | 9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 404.71 | 151.28 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-27.86* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *20.24* | |
| 26 05 36 00-1353 | EA | 12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 436.41 | 168.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.63* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.82* | |
| 26 05 36 00-1354 | EA | 18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 512.75 | 208.76 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-33.88* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *25.64* | |
| 26 05 36 00-1355 | EA | 24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 578.27 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.65* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *28.91* | |
| 26 05 36 00-1356 | EA | 30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 642.65 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-41.36* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *32.13* | |
| 26 05 36 00-1357 | EA | 36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 727.46 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.22* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *36.37* | |

## 26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1293)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1359 | EA | 6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 455.45 | 137.41 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-34.09* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *22.77* | |
| 26 05 36 00-1360 | EA | 9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 496.61 | 159.22 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-36.40* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *24.83* | |
| 26 05 36 00-1361 | EA | 12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 542.86 | 178.01 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.45* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *27.14* | |
| 26 05 36 00-1362 | EA | 18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 629.35 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.26* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.47* | |
| 26 05 36 00-1363 | EA | 24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 704.11 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-48.49* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *35.21* | |
| 26 05 36 00-1364 | EA | 30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 789.73 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.76* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.49* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1365 | EA | 36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 890.18 | 355.51 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-59.40* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *44.51* | |

## 26 05 36 00-1366 12" Radius Horizontal Tees *(26 05 36 00-1293)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1367 | EA | 6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 553.66 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-35.19* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *27.68* | |
| 26 05 36 00-1368 | EA | 9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 598.30 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-37.91* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *29.92* | |
| 26 05 36 00-1369 | EA | 12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 620.51 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-39.15* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *31.03* | |
| 26 05 36 00-1370 | EA | 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 698.68 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-44.65* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *34.93* | |
| 26 05 36 00-1371 | EA | 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 773.89 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.40* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *38.69* | |
| 26 05 36 00-1372 | EA | 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 842.09 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-54.53* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *42.10* | |
| 26 05 36 00-1373 | EA | 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 969.76 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-63.38* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.49* | |

## 26 05 36 00-1374 24" Radius Horizontal Tees *(26 05 36 00-1293)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1375 | EA | 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 694.27 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-47.51* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *34.71* | |
| 26 05 36 00-1376 | EA | 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 751.13 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.09* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *37.56* | |
| 26 05 36 00-1377 | EA | 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 782.35 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-53.02* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.12* | |
| 26 05 36 00-1378 | EA | 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 862.48 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-58.26* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.12* | |
| 26 05 36 00-1379 | EA | 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 960.09 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-64.49* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.00* | |
| 26 05 36 00-1380 | EA | 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,033.75 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-69.78* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *51.69* | |
| 26 05 36 00-1381 | EA | 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,329.97 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-94.18* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *66.50* | |

## 26 05 36 00-1382 36" Radius Horizontal Tees *(26 05 36 00-1293)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1383 | EA | 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 842.19 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-60.20* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *42.11* | |
| 26 05 36 00-1384 | EA | 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 902.18 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-63.69* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *45.11* | |
| 26 05 36 00-1385 | EA | 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 965.84 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-68.59* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.29* | |
| 26 05 36 00-1386 | EA | 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,058.53 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-74.34* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *52.93* | |
| 26 05 36 00-1387 | EA | 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,192.04 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-83.23* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *59.60* | |
| 26 05 36 00-1388 | EA | 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,374.27 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-98.61* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *68.71* | |
| 26 05 36 00-1389 | EA | 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,580.62 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-112.25* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *79.03* | |

## 26 05 36 00-1390 12" Radius Vertical Tees *(26 05 36 00-1293)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1391 | EA | 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 710.56 | 224.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-52.39* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *35.53* | |
| 26 05 36 00-1392 | EA | 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 735.11 | 232.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-54.10* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *36.76* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1393 | EA | 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 752.99 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-55.12* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *37.65* | |
| 26 05 36 00-1394 | EA | 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 795.16 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.60* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.76* | |
| 26 05 36 00-1395 | EA | 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 844.44 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-61.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *42.22* | |
| 26 05 36 00-1396 | EA | 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 898.01 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-64.59* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *44.90* | |
| 26 05 36 00-1397 | EA | 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 965.84 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-68.59* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.29* | |
| **26 05 36 00-1398** | | **24" Radius Vertical Tees** *(26 05 36 00-1293)* | | |
| 26 05 36 00-1399 | EA | 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 974.47 | 242.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-77.27* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.72* | |
| 26 05 36 00-1400 | EA | 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 998.52 | 252.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-78.84* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *49.93* | |
| 26 05 36 00-1401 | EA | 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,024.02 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-80.49* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *51.20* | |
| 26 05 36 00-1402 | EA | 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,083.35 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-84.31* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *54.17* | |
| 26 05 36 00-1403 | EA | 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,121.94 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-86.98* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *56.10* | |
| 26 05 36 00-1404 | EA | 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,192.24 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-91.23* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *59.61* | |
| 26 05 36 00-1405 | EA | 36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,319.38 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-100.42* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *65.97* | |
| **26 05 36 00-1406** | | **36" Radius Vertical Tees** *(26 05 36 00-1293)* | | |
| 26 05 36 00-1407 | EA | 6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,524.44 | 262.98 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-130.53* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *76.22* | |
| 26 05 36 00-1408 | EA | 9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,558.29 | 274.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-132.92* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *77.91* | |
| 26 05 36 00-1409 | EA | 12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,594.74 | 288.31 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-135.45* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *79.74* | |
| 26 05 36 00-1410 | EA | 18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,659.01 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-139.37* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *82.95* | |
| 26 05 36 00-1411 | EA | 24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,702.32 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-142.24* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *85.12* | |
| 26 05 36 00-1412 | EA | 30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,815.17 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-150.00* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *90.76* | |
| 26 05 36 00-1413 | EA | 36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,918.49 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-155.87* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *95.92* | |
| **26 05 36 00-1414** | | **12" Radius Horizontal Crosses** *(26 05 36 00-1293)* | | |
| 26 05 36 00-1415 | EA | 6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 713.44 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.13* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *35.67* | |
| 26 05 36 00-1416 | EA | 9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 761.91 | 318.32 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.66* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *38.10* | |
| 26 05 36 00-1417 | EA | 12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 793.58 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.37* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.68* | |
| 26 05 36 00-1418 | EA | 18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 876.54 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.98* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.83* | |
| 26 05 36 00-1419 | EA | 24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 964.84 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-62.88* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.24* | |
| 26 05 36 00-1420 | EA | 30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,064.08 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-70.43* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *53.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1421 | EA | 36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,206.93 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-81.88* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *60.35* | |
| **26 05 36 00-1422** | | **24" Radius Horizontal Crosses** *(26 05 36 00-1293)* | | |
| 26 05 36 00-1423 | EA | 6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 960.92 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-68.10* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.05* | |
| 26 05 36 00-1424 | EA | 9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,006.96 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-71.02* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *50.35* | |
| 26 05 36 00-1425 | EA | 12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,056.07 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-74.09* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *52.80* | |
| 26 05 36 00-1426 | EA | 18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,119.88 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-78.39* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *55.99* | |
| 26 05 36 00-1427 | EA | 24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,263.53 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-87.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *63.18* | |
| 26 05 36 00-1428 | EA | 30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,362.15 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-94.19* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *68.11* | |
| 26 05 36 00-1429 | EA | 36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,504.33 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-104.62* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *75.22* | |
| **26 05 36 00-1430** | | **36" Radius Horizontal Crosses** *(26 05 36 00-1293)* | | |
| 26 05 36 00-1431 | EA | 6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,102.82 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-78.77* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *55.14* | |
| 26 05 36 00-1432 | EA | 9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,164.17 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-82.82* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *58.21* | |
| 26 05 36 00-1433 | EA | 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,241.26 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-88.15* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *62.06* | |
| 26 05 36 00-1434 | EA | 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,332.43 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-94.43* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *66.62* | |
| 26 05 36 00-1435 | EA | 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,605.23 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-114.71* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *80.26* | |
| 26 05 36 00-1436 | EA | 30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,769.79 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-126.63* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *88.49* | |
| 26 05 36 00-1437 | EA | 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,970.58 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-140.98* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *98.53* | |
| **26 05 36 00-1438** | | **12" Radius Vertical Crosses** *(26 05 36 00-1293)* | | |
| 26 05 36 00-1439 | EA | 6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 713.44 | 302.56 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-46.13* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *35.67* | |
| 26 05 36 00-1440 | EA | 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 762.09 | 318.45 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-49.67* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *38.10* | |
| 26 05 36 00-1441 | EA | 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 793.48 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-51.36* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *39.67* | |
| 26 05 36 00-1442 | EA | 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 876.76 | 356.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-57.99* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *43.84* | |
| 26 05 36 00-1443 | EA | 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 964.84 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-62.88* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.24* | |
| 26 05 36 00-1444 | EA | 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,064.41 | 431.91 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-70.45* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *53.22* | |
| 26 05 36 00-1445 | EA | 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray | 1,205.97 | 465.19 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-81.83* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *60.30* | |
| **26 05 36 00-1446** | | **24" Radius Vertical Crosses** *(26 05 36 00-1293)* | | |
| 26 05 36 00-1447 | EA | 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 960.92 | 335.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-68.10* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *48.05* | |
| 26 05 36 00-1448 | EA | 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,006.96 | 356.14 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-71.02* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *50.35* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1449 | EA | 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,056.07 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-74.09* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *52.80* | |
| 26 05 36 00-1450 | EA | 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,119.88 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-78.39* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *55.99* | |
| 26 05 36 00-1451 | EA | 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,263.53 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-87.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *63.18* | |
| 26 05 36 00-1452 | EA | 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,362.15 | 504.27 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-94.19* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *68.11* | |
| 26 05 36 00-1453 | EA | 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray | 1,504.33 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-104.62* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *75.22* | |

## 26 05 36 00-1454 36" Radius Vertical Crosses *(26 05 36 00-1293)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1455 | EA | 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,315.44 | 378.20 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-100.03* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *65.77* | |
| 26 05 36 00-1456 | EA | 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,385.65 | 403.17 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-104.97* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *69.28* | |
| 26 05 36 00-1457 | EA | 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,476.03 | 431.78 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-111.63* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *73.80* | |
| 26 05 36 00-1458 | EA | 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,582.70 | 465.82 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-119.46* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *79.14* | |
| 26 05 36 00-1459 | EA | 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 1,915.30 | 549.66 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-145.72* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *95.77* | |
| 26 05 36 00-1460 | EA | 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,113.08 | 604.11 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-160.96* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *105.65* | |
| 26 05 36 00-1461 | EA | 36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray | 2,352.63 | 672.95 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-179.18* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *117.63* | |

## 26 05 36 00-1462 Dropout Or End Plates And Reducers *(26 05 36 00-0744)*

## 26 05 36 00-1463 Straight Reducers *(26 05 36 00-1462)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1464 | EA | 9" To 6" Reducer, Aluminum Cable Tray | 278.14 | 93.04 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-20.06* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *13.91* | |
| 26 05 36 00-1465 | EA | 12" To 9" Reducer, Aluminum Cable Tray | 293.69 | 100.72 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-20.97* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *14.68* | |
| 26 05 36 00-1466 | EA | 18" To 12" Reducer, Aluminum Cable Tray | 322.34 | 116.24 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-22.54* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *16.12* | |
| 26 05 36 00-1467 | EA | 24" To 18" Reducer, Aluminum Cable Tray | 355.41 | 134.52 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.33* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *17.77* | |
| 26 05 36 00-1468 | EA | 30" To 24" Reducer, Aluminum Cable Tray | 386.12 | 151.28 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.01* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.31* | |
| 26 05 36 00-1469 | EA | 36" To 30" Reducer, Aluminum Cable Tray | 430.27 | 172.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.62* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.51* | |

## 26 05 36 00-1470 Reducers *(26 05 36 00-1462)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1471 | EA | 18" To 6" Reducer, Aluminum Cable Tray | 322.46 | 116.36 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-22.55* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *16.12* | |
| 26 05 36 00-1472 | EA | 24" To 12" Reducer, Aluminum Cable Tray | 355.73 | 134.64 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-24.35* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *17.79* | |
| 26 05 36 00-1473 | EA | 30" To 12" Reducer, Aluminum Cable Tray | 385.92 | 151.15 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.00* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.30* | |
| 26 05 36 00-1474 | EA | 30" To 18" Reducer, Aluminum Cable Tray | 388.45 | 151.03 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-26.26* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *19.42* | |
| 26 05 36 00-1475 | EA | 36" To 12" Reducer, Aluminum Cable Tray | 427.54 | 172.84 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-28.35* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.38* | |
| 26 05 36 00-1476 | EA | 36" To 18" Reducer, Aluminum Cable Tray | 437.84 | 177.38 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-29.00* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *21.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1477 | EA | 36" To 24" Reducer, Aluminum Cable Tray | 452.75 | 183.05 |
| | | *For 3-5/8" Overall Height Instead Of 4-5/8", Deduct* | *-30.02* | |
| | | *For 6" Overall Height Instead Of 4-5/8", Add* | *22.64* | |
| **26 05 36 00-1478** | | **Dropout Or End Plate** *(26 05 36 00-1462)* | | |
| 26 05 36 00-1479 | EA | 6" Dropout Or End Plate, Aluminum Cable Tray | 79.30 | 37.82 |
| 26 05 36 00-1480 | EA | 9" Dropout Or End Plate, Aluminum Cable Tray | 89.35 | 43.24 |
| 26 05 36 00-1481 | EA | 12" Dropout Or End Plate, Aluminum Cable Tray | 96.40 | 46.52 |
| 26 05 36 00-1482 | EA | 18" Dropout Or End Plate, Aluminum Cable Tray | 116.93 | 54.97 |
| 26 05 36 00-1483 | EA | 24" Dropout Or End Plate, Aluminum Cable Tray | 130.52 | 60.51 |
| 26 05 36 00-1484 | EA | 30" Dropout Or End Plate, Aluminum Cable Tray | 147.35 | 67.19 |
| 26 05 36 00-1485 | EA | 36" Dropout Or End Plate, Aluminum Cable Tray | 165.31 | 75.64 |
| **26 05 36 00-1486** | | **Solid Bottom Cable Tray** *(26 05 36 00-0001)* | | |
| | | Note: 3-5/8" Height. | | |
| **26 05 36 00-1487** | | **Solid Bottom Galvanized Steel Straight Tray Sections** *(26 05 36 00-1486)* | | |
| 26 05 36 00-1488 | LF | 6" Solid Bottom Steel Cable Tray, Straight Section | 32.72 | 9.83 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *3.26* | |
| 26 05 36 00-1489 | LF | 12" Solid Bottom Steel Cable Tray, Straight Section | 40.77 | 12.11 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *4.10* | |
| 26 05 36 00-1490 | LF | 18" Solid Bottom Steel Cable Tray, Straight Section | 54.33 | 17.40 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *5.25* | |
| 26 05 36 00-1491 | LF | 24" Solid Bottom Steel Cable Tray, Straight Section | 62.87 | 19.92 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *6.10* | |
| 26 05 36 00-1492 | LF | 30" Solid Bottom Steel Cable Tray, Straight Section | 75.34 | 24.08 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *7.28* | |
| 26 05 36 00-1493 | LF | 36" Solid Bottom Steel Cable Tray, Straight Section | 96.36 | 27.61 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *9.86* | |
| **26 05 36 00-1494** | | **Solid Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1486)* | | |
| **26 05 36 00-1495** | | **90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1496 | EA | 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray | 333.14 | 126.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *28.95* | |
| 26 05 36 00-1497 | EA | 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray | 433.55 | 177.51 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *35.44* | |
| 26 05 36 00-1498 | EA | 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray | 530.70 | 224.03 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *42.26* | |
| 26 05 36 00-1499 | EA | 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray | 650.46 | 275.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *51.69* | |
| 26 05 36 00-1500 | EA | 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray | 760.03 | 318.95 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *60.86* | |
| 26 05 36 00-1501 | EA | 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray | 854.04 | 356.14 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *68.75* | |
| **26 05 36 00-1502** | | **90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1503 | EA | 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray | 393.50 | 131.36 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *37.12* | |
| 26 05 36 00-1504 | EA | 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray | 519.45 | 189.23 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *46.37* | |
| 26 05 36 00-1505 | EA | 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray | 639.47 | 242.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *55.57* | |
| 26 05 36 00-1506 | EA | 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray | 779.51 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *66.50* | |
| 26 05 36 00-1507 | EA | 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray | 914.36 | 355.51 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *77.91* | |
| 26 05 36 00-1508 | EA | 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray | 1,033.26 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *87.79* | |
| **26 05 36 00-1509** | | **90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1510 | EA | 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray | 484.30 | 137.29 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *49.77* | |
| 26 05 36 00-1511 | EA | 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray | 624.25 | 202.09 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *59.97* | |
| 26 05 36 00-1512 | EA | 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray | 790.38 | 263.36 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *74.66* | |
| 26 05 36 00-1513 | EA | 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray | 940.72 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *85.13* | |
| 26 05 36 00-1514 | EA | 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray | 1,129.10 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *102.17* | |
| 26 05 36 00-1515 | EA | 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray | 1,287.99 | 464.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *115.76* | |
| **26 05 36 00-1516** | | **45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1517 | EA | 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray | 302.56 | 126.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *24.34* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1518 | EA | 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray | 399.15 | 177.51 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *30.28* | |
| 26 05 36 00-1519 | EA | 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray | 490.94 | 223.77 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *36.34* | |
| 26 05 36 00-1520 | EA | 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray | 601.85 | 274.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *44.47* | |
| 26 05 36 00-1521 | EA | 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray | 702.89 | 318.95 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *52.29* | |
| 26 05 36 00-1522 | EA | 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray | 787.79 | 355.51 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *58.93* | |

## 26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1494)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1524 | EA | 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray | 350.04 | 131.49 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *30.59* | |
| 26 05 36 00-1525 | EA | 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray | 468.15 | 189.10 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *38.71* | |
| 26 05 36 00-1526 | EA | 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray | 581.00 | 242.43 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *46.74* | |
| 26 05 36 00-1527 | EA | 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray | 710.70 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *56.18* | |
| 26 05 36 00-1528 | EA | 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray | 834.99 | 356.14 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *65.89* | |
| 26 05 36 00-1529 | EA | 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray | 942.94 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *74.24* | |

## 26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1494)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1531 | EA | 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray | 420.74 | 137.41 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *40.21* | |
| 26 05 36 00-1532 | EA | 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray | 521.05 | 183.18 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *47.62* | |
| 26 05 36 00-1533 | EA | 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray | 702.52 | 263.36 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *61.48* | |
| 26 05 36 00-1534 | EA | 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray | 846.49 | 336.48 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *70.89* | |
| 26 05 36 00-1535 | EA | 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray | 1,014.82 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *85.02* | |
| 26 05 36 00-1536 | EA | 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray | 1,161.50 | 465.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *96.60* | |

## 26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1494)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1538 | EA | 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray | 359.61 | 125.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *32.97* | |
| 26 05 36 00-1539 | EA | 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray | 453.21 | 177.51 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *38.39* | |
| 26 05 36 00-1540 | EA | 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray | 533.16 | 224.03 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *42.63* | |
| 26 05 36 00-1541 | EA | 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray | 645.54 | 275.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *50.95* | |
| 26 05 36 00-1542 | EA | 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray | 730.54 | 318.95 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *56.43* | |
| 26 05 36 00-1543 | EA | 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray | 798.85 | 355.51 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *60.59* | |

## 26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1494)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1545 | EA | 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray | 430.37 | 131.36 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *42.65* | |
| 26 05 36 00-1546 | EA | 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray | 546.49 | 189.23 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *50.43* | |
| 26 05 36 00-1547 | EA | 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray | 654.22 | 242.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *57.78* | |
| 26 05 36 00-1548 | EA | 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray | 777.05 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *66.13* | |
| 26 05 36 00-1549 | EA | 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray | 879.95 | 355.51 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *72.75* | |
| 26 05 36 00-1550 | EA | 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray | 986.56 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *80.78* | |

## 26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1494)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1552 | EA | 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray | 516.25 | 137.29 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *54.57* | |
| 26 05 36 00-1553 | EA | 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray | 627.93 | 183.55 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *63.59* | |
| 26 05 36 00-1554 | EA | 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray | 790.38 | 263.36 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *74.66* | |
| 26 05 36 00-1555 | EA | 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray | 945.63 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *85.86* | |
| 26 05 36 00-1556 | EA | 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray | 1,092.24 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *96.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1557 | EA | 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray | 1,231.47 | 464.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *107.28* | |
| **26 05 36 00-1558** | | **12" Radius Horizontal Tees** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1559 | EA | 6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray | 575.58 | 242.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *45.98* | |
| 26 05 36 00-1560 | EA | 12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray | 690.23 | 302.06 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *53.19* | |
| 26 05 36 00-1561 | EA | 18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray | 814.72 | 356.14 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *62.85* | |
| 26 05 36 00-1562 | EA | 24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray | 969.42 | 432.66 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *73.29* | |
| 26 05 36 00-1563 | EA | 30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray | 1,058.89 | 465.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *81.21* | |
| 26 05 36 00-1564 | EA | 36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray | 1,240.58 | 549.66 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *94.47* | |
| **26 05 36 00-1565** | | **24" Radius Horizontal Tees** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1566 | EA | 6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray | 706.21 | 262.98 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *62.10* | |
| 26 05 36 00-1567 | EA | 12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray | 871.90 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *74.81* | |
| 26 05 36 00-1568 | EA | 18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray | 1,018.51 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *85.58* | |
| 26 05 36 00-1569 | EA | 24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray | 1,309.84 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *112.43* | |
| 26 05 36 00-1570 | EA | 30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray | 1,427.35 | 549.66 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *122.48* | |
| 26 05 36 00-1571 | EA | 36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray | 1,674.53 | 672.95 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *139.02* | |
| **26 05 36 00-1572** | | **36" Radius Horizontal Tees** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1573 | EA | 6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray | 900.68 | 288.31 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *87.06* | |
| 26 05 36 00-1574 | EA | 12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray | 1,099.73 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *101.93* | |
| 26 05 36 00-1575 | EA | 18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray | 1,287.44 | 465.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *115.49* | |
| 26 05 36 00-1576 | EA | 24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray | 1,572.35 | 549.66 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *144.23* | |
| 26 05 36 00-1577 | EA | 30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray | 1,722.84 | 606.13 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *157.41* | |
| 26 05 36 00-1578 | EA | 36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray | 1,997.94 | 756.41 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *173.62* | |
| **26 05 36 00-1579** | | **12" Radius Vertical Tees** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1580 | EA | 6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray | 686.16 | 242.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *62.57* | |
| 26 05 36 00-1581 | EA | 12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray | 799.17 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *69.45* | |
| 26 05 36 00-1582 | EA | 18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray | 859.62 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *72.96* | |
| 26 05 36 00-1583 | EA | 24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray | 921.73 | 355.51 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *79.02* | |
| 26 05 36 00-1584 | EA | 30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray | 1,023.43 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *86.31* | |
| 26 05 36 00-1585 | EA | 36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray | 1,139.99 | 465.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *93.37* | |
| **26 05 36 00-1586** | | **24" Radius Vertical Tees** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1587 | EA | 6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray | 856.12 | 262.98 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *84.58* | |
| 26 05 36 00-1588 | EA | 12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray | 997.24 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *93.61* | |
| 26 05 36 00-1589 | EA | 18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray | 1,089.90 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *100.45* | |
| 26 05 36 00-1590 | EA | 24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray | 1,153.67 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *105.85* | |
| 26 05 36 00-1591 | EA | 30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray | 1,304.65 | 465.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *118.07* | |
| 26 05 36 00-1592 | EA | 36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray | 1,469.13 | 549.66 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *128.75* | |
| **26 05 36 00-1593** | | **36" Radius Vertical Tees** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1594 | EA | 6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray | 1,130.95 | 287.81 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *121.67* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1595 | EA | 12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray | 1,293.87 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *131.05* | |
| 26 05 36 00-1596 | EA | 18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray | 1,432.24 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *142.88* | |
| 26 05 36 00-1597 | EA | 24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray | 1,513.54 | 465.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *149.40* | |
| 26 05 36 00-1598 | EA | 30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray | 1,776.32 | 549.66 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *174.83* | |
| 26 05 36 00-1599 | EA | 36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray | 1,916.21 | 604.11 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *186.74* | |
| **26 05 36 00-1600** | | **12" Radius Horizontal Crosses** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1601 | EA | 6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray | 710.70 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *56.18* | |
| 26 05 36 00-1602 | EA | 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray | 817.17 | 356.14 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *63.22* | |
| 26 05 36 00-1603 | EA | 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray | 982.51 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *75.42* | |
| 26 05 36 00-1604 | EA | 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray | 1,135.35 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *86.26* | |
| 26 05 36 00-1605 | EA | 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray | 1,336.24 | 604.11 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *99.74* | |
| 26 05 36 00-1606 | EA | 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray | 1,482.85 | 672.95 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *110.27* | |
| **26 05 36 00-1607** | | **24" Radius Horizontal Crosses** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1608 | EA | 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray | 936.80 | 336.48 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *84.44* | |
| 26 05 36 00-1609 | EA | 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray | 1,092.24 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *96.64* | |
| 26 05 36 00-1610 | EA | 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray | 1,309.84 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *112.43* | |
| 26 05 36 00-1611 | EA | 24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray | 1,612.25 | 606.13 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *140.82* | |
| 26 05 36 00-1612 | EA | 30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray | 1,772.83 | 672.95 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *153.77* | |
| 26 05 36 00-1613 | EA | 36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray | 1,948.79 | 756.41 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *166.25* | |
| **26 05 36 00-1614** | | **36" Radius Horizontal Crosses** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1615 | EA | 6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray | 1,244.72 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *123.67* | |
| 26 05 36 00-1616 | EA | 12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray | 1,452.10 | 465.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *140.19* | |
| 26 05 36 00-1617 | EA | 18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray | 1,747.42 | 606.13 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *161.10* | |
| 26 05 36 00-1618 | EA | 24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray | 1,994.01 | 672.95 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *186.94* | |
| 26 05 36 00-1619 | EA | 30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray | 2,206.83 | 756.41 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *204.96* | |
| 26 05 36 00-1620 | EA | 36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray | 2,446.71 | 863.44 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *223.09* | |
| **26 05 36 00-1621** | | **Straight Reducers** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1622 | EA | 12" To 6" Reducer, Solid Bottom, Steel Cable Tray | 288.51 | 100.85 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *26.47* | |
| 26 05 36 00-1623 | EA | 18" To 12" Reducer, Solid Bottom, Steel Cable Tray | 312.85 | 113.96 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *27.93* | |
| 26 05 36 00-1624 | EA | 24" To 18" Reducer, Solid Bottom, Steel Cable Tray | 346.66 | 131.36 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *30.11* | |
| 26 05 36 00-1625 | EA | 30" To 24" Reducer, Solid Bottom, Steel Cable Tray | 389.76 | 151.28 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *33.25* | |
| 26 05 36 00-1626 | EA | 36" To 30" Reducer, Solid Bottom, Steel Cable Tray | 422.19 | 167.80 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *35.36* | |
| **26 05 36 00-1627** | | **Reducers** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1628 | EA | 18" To 6" Reducer, Solid Bottom, Steel Cable Tray | 312.97 | 114.09 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *27.94* | |
| 26 05 36 00-1629 | EA | 24" To 12" Reducer, Solid Bottom, Steel Cable Tray | 344.66 | 131.61 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *29.77* | |
| 26 05 36 00-1630 | EA | 30" To 12" Reducer, Solid Bottom, Steel Cable Tray | 384.65 | 151.15 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *32.50* | |
| 26 05 36 00-1631 | EA | 30" To 18" Reducer, Solid Bottom, Steel Cable Tray | 386.90 | 151.03 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *32.86* | |
| 26 05 36 00-1632 | EA | 36" To 12" Reducer, Solid Bottom, Steel Cable Tray | 419.73 | 167.80 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *34.99* | |
| 26 05 36 00-1633 | EA | 36" To 18" Reducer, Solid Bottom, Steel Cable Tray | 422.19 | 167.80 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *35.36* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1634 | EA | 36" To 24" Reducer, Solid Bottom, Steel Cable Tray | 425.14 | 168.05 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *35.76* | |
| **26 05 36 00-1635** | | **Dropout Or End Plate** *(26 05 36 00-1494)* | | |
| 26 05 36 00-1636 | EA | 6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray | 88.10 | 37.82 |
| 26 05 36 00-1637 | EA | 12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray | 108.11 | 46.14 |
| 26 05 36 00-1638 | EA | 18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray | 124.69 | 54.72 |
| 26 05 36 00-1639 | EA | 24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray | 140.29 | 60.51 |
| 26 05 36 00-1640 | EA | 30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray | 156.20 | 67.19 |
| 26 05 36 00-1641 | EA | 36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray | 173.38 | 75.64 |
| **26 05 36 00-1642** | | **Solid Bottom Aluminum Straight Cable Tray Sections** *(26 05 36 00-1486)* | | |
| 26 05 36 00-1643 | LF | 6" Solid Bottom Aluminum Cable Tray, Straight Section | 29.00 | 7.95 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *3.02* | |
| 26 05 36 00-1644 | LF | 12" Solid Bottom Aluminum Cable Tray, Straight Section | 36.14 | 9.33 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *3.87* | |
| 26 05 36 00-1645 | LF | 18" Solid Bottom Aluminum Cable Tray, Straight Section | 46.19 | 12.11 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *4.90* | |
| 26 05 36 00-1646 | LF | 24" Solid Bottom Aluminum Cable Tray, Straight Section | 54.92 | 13.36 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *6.02* | |
| 26 05 36 00-1647 | LF | 30" Solid Bottom Aluminum Cable Tray, Straight Section | 67.35 | 17.27 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *7.23* | |
| 26 05 36 00-1648 | LF | 36" Solid Bottom Steel Aluminum Tray, Straight Section | 80.05 | 18.91 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *8.85* | |
| **26 05 36 00-1649** | | **Solid Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1486)* | | |
| **26 05 36 00-1650** | | **90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1651 | EA | 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray | 336.86 | 126.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *29.50* | |
| 26 05 36 00-1652 | EA | 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray | 407.26 | 158.85 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *34.61* | |
| 26 05 36 00-1653 | EA | 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray | 470.56 | 177.88 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *40.94* | |
| 26 05 36 00-1654 | EA | 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray | 548.04 | 208.89 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *47.38* | |
| 26 05 36 00-1655 | EA | 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray | 647.37 | 242.43 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *56.70* | |
| 26 05 36 00-1656 | EA | 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray | 731.75 | 275.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *63.89* | |
| **26 05 36 00-1657** | | **90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1658 | EA | 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray | 399.03 | 131.36 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *37.95* | |
| 26 05 36 00-1659 | EA | 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray | 494.04 | 168.30 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *46.07* | |
| 26 05 36 00-1660 | EA | 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray | 558.48 | 189.10 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *52.26* | |
| 26 05 36 00-1661 | EA | 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray | 674.09 | 224.03 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *63.77* | |
| 26 05 36 00-1662 | EA | 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray | 781.92 | 262.60 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *73.52* | |
| 26 05 36 00-1663 | EA | 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray | 899.89 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *84.56* | |
| **26 05 36 00-1664** | | **90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1665 | EA | 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray | 495.77 | 137.29 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *51.49* | |
| 26 05 36 00-1666 | EA | 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray | 617.51 | 178.26 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *62.92* | |
| 26 05 36 00-1667 | EA | 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray | 716.52 | 202.09 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *73.81* | |
| 26 05 36 00-1668 | EA | 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray | 810.52 | 241.79 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *81.28* | |
| 26 05 36 00-1669 | EA | 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray | 941.34 | 288.31 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *93.16* | |
| 26 05 36 00-1670 | EA | 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,098.84 | 335.34 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *108.95* | |
| **26 05 36 00-1671** | | **45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1672 | EA | 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray | 309.15 | 126.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *25.33* | |
| 26 05 36 00-1673 | EA | 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray | 375.93 | 158.85 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *29.91* | |
| 26 05 36 00-1674 | EA | 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray | 431.99 | 177.76 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *35.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1675 | EA | 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray | 503.33 | 208.51 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *40.75* | |
| 26 05 36 00-1676 | EA | 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray | 593.84 | 242.43 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *48.67* | |
| 26 05 36 00-1677 | EA | 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray | 670.35 | 274.45 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *54.81* | |
| **26 05 36 00-1678** | | **45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1679 | EA | 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray | 359.59 | 131.49 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *32.02* | |
| 26 05 36 00-1680 | EA | 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray | 446.79 | 168.05 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *39.00* | |
| 26 05 36 00-1681 | EA | 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray | 505.58 | 189.48 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *44.26* | |
| 26 05 36 00-1682 | EA | 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray | 607.95 | 224.03 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *53.85* | |
| 26 05 36 00-1683 | EA | 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray | 707.42 | 263.36 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *62.22* | |
| 26 05 36 00-1684 | EA | 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray | 812.86 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *71.50* | |
| **26 05 36 00-1685** | | **45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1686 | EA | 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray | 437.35 | 137.41 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *42.70* | |
| 26 05 36 00-1687 | EA | 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray | 546.45 | 177.88 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *52.32* | |
| 26 05 36 00-1688 | EA | 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray | 632.96 | 202.09 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *61.27* | |
| 26 05 36 00-1689 | EA | 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray | 721.90 | 242.43 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *67.88* | |
| 26 05 36 00-1690 | EA | 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray | 839.94 | 288.31 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *77.95* | |
| 26 05 36 00-1691 | EA | 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray | 982.02 | 336.48 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *91.22* | |
| **26 05 36 00-1692** | | **90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1693 | EA | 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray | 360.04 | 125.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *33.04* | |
| 26 05 36 00-1694 | EA | 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray | 421.11 | 158.85 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *36.68* | |
| 26 05 36 00-1695 | EA | 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray | 472.54 | 177.88 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *41.23* | |
| 26 05 36 00-1696 | EA | 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray | 534.19 | 208.89 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *45.30* | |
| 26 05 36 00-1697 | EA | 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray | 601.87 | 242.43 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *49.87* | |
| 26 05 36 00-1698 | EA | 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray | 661.18 | 274.45 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *53.43* | |
| **26 05 36 00-1699** | | **90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1700 | EA | 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray | 432.66 | 131.36 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *43.00* | |
| 26 05 36 00-1701 | EA | 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray | 511.84 | 168.30 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *48.74* | |
| 26 05 36 00-1702 | EA | 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray | 564.41 | 189.10 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *53.14* | |
| 26 05 36 00-1703 | EA | 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray | 644.42 | 224.03 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *59.32* | |
| 26 05 36 00-1704 | EA | 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray | 724.56 | 262.60 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *64.91* | |
| 26 05 36 00-1705 | EA | 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray | 820.77 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *72.69* | |
| **26 05 36 00-1706** | | **90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1707 | EA | 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray | 509.61 | 137.29 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *53.57* | |
| 26 05 36 00-1708 | EA | 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray | 613.55 | 178.26 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *62.33* | |
| 26 05 36 00-1709 | EA | 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray | 680.91 | 202.09 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *68.46* | |
| 26 05 36 00-1710 | EA | 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray | 761.07 | 241.79 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *73.86* | |
| 26 05 36 00-1711 | EA | 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray | 876.06 | 288.31 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *83.37* | |
| 26 05 36 00-1712 | EA | 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray | 970.26 | 335.34 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *89.66* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 36 00-1713** | | **12" Radius Horizontal Tees** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1714 | EA | 6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray | 599.38 | 242.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *49.55* | |
| 26 05 36 00-1715 | EA | 12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray | 694.80 | 274.45 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *58.48* | |
| 26 05 36 00-1716 | EA | 18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray | 771.32 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *65.27* | |
| 26 05 36 00-1717 | EA | 24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray | 859.50 | 336.48 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *72.85* | |
| 26 05 36 00-1718 | EA | 30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray | 1,016.19 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *85.23* | |
| 26 05 36 00-1719 | EA | 36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray | 1,236.07 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *101.37* | |
| **26 05 36 00-1720** | | **24" Radius Horizontal Tees** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1721 | EA | 6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray | 760.77 | 262.98 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *70.28* | |
| 26 05 36 00-1722 | EA | 12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray | 868.24 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *79.81* | |
| 26 05 36 00-1723 | EA | 18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray | 971.25 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *89.71* | |
| 26 05 36 00-1724 | EA | 24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray | 1,176.42 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *109.26* | |
| 26 05 36 00-1725 | EA | 30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray | 1,414.10 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *128.07* | |
| 26 05 36 00-1726 | EA | 36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray | 1,561.75 | 551.29 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *142.38* | |
| **26 05 36 00-1727** | | **36" Radius Horizontal Tees** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1728 | EA | 6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,004.64 | 288.31 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *102.65* | |
| 26 05 36 00-1729 | EA | 12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,133.45 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *114.04* | |
| 26 05 36 00-1730 | EA | 18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,293.01 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *130.92* | |
| 26 05 36 00-1731 | EA | 24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,545.84 | 464.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *154.44* | |
| 26 05 36 00-1732 | EA | 30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,860.75 | 606.13 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *178.10* | |
| 26 05 36 00-1733 | EA | 36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray | 2,071.09 | 672.95 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *198.50* | |
| **26 05 36 00-1734** | | **12" Radius Vertical Tees** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1735 | EA | 6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray | 682.46 | 242.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *62.01* | |
| 26 05 36 00-1736 | EA | 12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray | 742.94 | 274.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *65.63* | |
| 26 05 36 00-1737 | EA | 18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray | 776.43 | 287.81 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *68.49* | |
| 26 05 36 00-1738 | EA | 24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray | 819.96 | 302.06 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *72.65* | |
| 26 05 36 00-1739 | EA | 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray | 903.99 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *79.62* | |
| 26 05 36 00-1740 | EA | 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray | 1,035.97 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *88.20* | |
| **26 05 36 00-1741** | | **24" Radius Vertical Tees** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1742 | EA | 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray | 849.79 | 262.98 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *83.63* | |
| 26 05 36 00-1743 | EA | 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray | 939.46 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *90.49* | |
| 26 05 36 00-1744 | EA | 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray | 995.45 | 318.32 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *96.26* | |
| 26 05 36 00-1745 | EA | 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray | 1,064.22 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *103.65* | |
| 26 05 36 00-1746 | EA | 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray | 1,184.21 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *114.60* | |
| 26 05 36 00-1747 | EA | 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray | 1,357.92 | 464.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *126.25* | |
| **26 05 36 00-1748** | | **36" Radius Vertical Tees** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1749 | EA | 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,122.60 | 287.81 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *120.42* | |
| 26 05 36 00-1750 | EA | 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,225.49 | 331.81 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *128.53* | |
| 26 05 36 00-1751 | EA | 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,304.54 | 355.51 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *136.44* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1752 | EA | 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,362.24 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *141.30* | |
| 26 05 36 00-1753 | EA | 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,510.81 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *154.67* | |
| 26 05 36 00-1754 | EA | 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,003.23 | 549.66 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *58.87* | |
| **26 05 36 00-1755** | | **12" Radius Horizontal Crosses** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1756 | EA | 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray | 707.33 | 274.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *60.29* | |
| 26 05 36 00-1757 | EA | 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray | 785.16 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *67.35* | |
| 26 05 36 00-1758 | EA | 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray | 912.88 | 355.51 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *77.69* | |
| 26 05 36 00-1759 | EA | 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray | 1,083.53 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *90.57* | |
| 26 05 36 00-1760 | EA | 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray | 1,185.82 | 464.56 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *100.44* | |
| 26 05 36 00-1761 | EA | 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray | 1,373.83 | 551.29 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *114.19* | |
| **26 05 36 00-1762** | | **24" Radius Horizontal Crosses** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1763 | EA | 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray | 940.26 | 303.06 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *90.53* | |
| 26 05 36 00-1764 | EA | 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray | 1,064.22 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *103.65* | |
| 26 05 36 00-1765 | EA | 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray | 1,219.94 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *115.79* | |
| 26 05 36 00-1766 | EA | 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray | 1,505.37 | 505.65 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *141.54* | |
| 26 05 36 00-1767 | EA | 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray | 1,650.76 | 551.29 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *155.73* | |
| 26 05 36 00-1768 | EA | 36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray | 1,883.17 | 672.95 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *170.32* | |
| **26 05 36 00-1769** | | **36" Radius Horizontal Crosses** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1770 | EA | 6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,301.60 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *139.26* | |
| 26 05 36 00-1771 | EA | 12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,431.48 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *151.69* | |
| 26 05 36 00-1772 | EA | 18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,666.43 | 465.82 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *172.34* | |
| 26 05 36 00-1773 | EA | 24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray | 1,979.44 | 606.13 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *195.90* | |
| 26 05 36 00-1774 | EA | 30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray | 2,169.99 | 672.95 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *213.34* | |
| 26 05 36 00-1775 | EA | 36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray | 2,487.11 | 756.41 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *247.00* | |
| **26 05 36 00-1776** | | **Straight Reducers** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1777 | EA | 12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray | 266.82 | 86.48 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *25.61* | |
| 26 05 36 00-1778 | EA | 18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray | 294.42 | 100.72 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *27.38* | |
| 26 05 36 00-1779 | EA | 24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray | 324.48 | 113.96 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *29.68* | |
| 26 05 36 00-1780 | EA | 30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray | 365.56 | 131.49 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *32.92* | |
| 26 05 36 00-1781 | EA | 36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray | 406.03 | 151.03 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *35.73* | |
| **26 05 36 00-1782** | | **Reducers** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1783 | EA | 18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray | 292.53 | 100.72 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *27.09* | |
| 26 05 36 00-1784 | EA | 24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray | 322.84 | 114.21 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *29.40* | |
| 26 05 36 00-1785 | EA | 30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray | 361.44 | 131.36 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *32.31* | |
| 26 05 36 00-1786 | EA | 30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray | 363.27 | 131.36 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *32.60* | |
| 26 05 36 00-1787 | EA | 36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray | 406.03 | 151.03 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *35.73* | |
| 26 05 36 00-1788 | EA | 36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray | 408.01 | 151.03 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *36.03* | |
| 26 05 36 00-1789 | EA | 36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray | 412.37 | 151.28 |
| | | *For 4-5/8" Overall Height Instead Of 3-5/8", Add* | *36.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 36 00-1790** | | **Dropout Or End Plate** *(26 05 36 00-1649)* | | |
| 26 05 36 00-1791 | EA | 6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray | 88.05 | 37.82 |
| 26 05 36 00-1792 | EA | 12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray | 105.19 | 46.14 |
| 26 05 36 00-1793 | EA | 18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray | 125.10 | 54.72 |
| 26 05 36 00-1794 | EA | 24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray | 138.14 | 60.51 |
| 26 05 36 00-1795 | EA | 30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray | 155.48 | 67.19 |
| 26 05 36 00-1796 | EA | 36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray | 176.51 | 75.64 |
| **26 05 36 00-1797** | | **Vented Bottom Cable Tray** *(26 05 36 00-0001)* Note: 6" Height. | | |
| **26 05 36 00-1798** | | **Vented Bottom Galvanized Steel Cable Tray** *(26 05 36 00-1797)* | | |
| 26 05 36 00-1799 | LF | 6" Vented Bottom Steel Cable Tray, Straight Section | 42.06 | 13.24 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-3.10* | |
| 26 05 36 00-1800 | LF | 12" Vented Bottom Steel Cable Tray, Straight Section | 49.51 | 15.13 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-3.69* | |
| 26 05 36 00-1801 | LF | 18" Vented Bottom Steel Cable Tray, Straight Section | 58.31 | 17.40 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-4.38* | |
| 26 05 36 00-1802 | LF | 24" Vented Bottom Steel Cable Tray, Straight Section | 66.91 | 19.92 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-5.03* | |
| 26 05 36 00-1803 | LF | 30" Vented Bottom Steel Cable Tray, Straight Section | 88.44 | 24.08 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-6.83* | |
| 26 05 36 00-1804 | LF | 36" Vented Bottom Steel Cable Tray, Straight Section | 104.51 | 30.25 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-7.92* | |
| **26 05 36 00-1805** | | **Vented Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1797)* | | |
| **26 05 36 00-1806** | | **90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1805)* | | |
| 26 05 36 00-1807 | EA | 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray | 388.41 | 159.35 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-25.57* | |
| 26 05 36 00-1808 | EA | 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray | 505.24 | 215.58 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-32.56* | |
| 26 05 36 00-1809 | EA | 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray | 625.78 | 274.82 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-39.67* | |
| 26 05 36 00-1810 | EA | 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray | 767.54 | 336.48 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-48.71* | |
| 26 05 36 00-1811 | EA | 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray | 865.91 | 378.96 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-55.01* | |
| 26 05 36 00-1812 | EA | 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray | 992.27 | 432.66 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-63.17* | |
| **26 05 36 00-1813** | | **90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1805)* | | |
| 26 05 36 00-1814 | EA | 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray | 461.37 | 167.92 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-32.14* | |
| 26 05 36 00-1815 | EA | 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray | 597.17 | 232.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-40.31* | |
| 26 05 36 00-1816 | EA | 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray | 756.95 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-50.48* | |
| 26 05 36 00-1817 | EA | 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray | 915.18 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-60.00* | |
| 26 05 36 00-1818 | EA | 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray | 979.66 | 390.68 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-65.41* | |
| 26 05 36 00-1819 | EA | 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray | 1,221.77 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-80.15* | |
| **26 05 36 00-1820** | | **90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1805)* | | |
| 26 05 36 00-1821 | EA | 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray | 566.99 | 177.51 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-41.90* | |
| 26 05 36 00-1822 | EA | 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray | 730.89 | 252.52 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-52.05* | |
| 26 05 36 00-1823 | EA | 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray | 932.93 | 336.48 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-65.25* | |
| 26 05 36 00-1824 | EA | 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray | 1,112.37 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-75.26* | |
| 26 05 36 00-1825 | EA | 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray | 1,281.50 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-86.13* | |
| 26 05 36 00-1826 | EA | 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray | 1,498.51 | 604.11 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-99.50* | |
| **26 05 36 00-1827** | | **45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1805)* | | |
| 26 05 36 00-1828 | EA | 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray | 361.60 | 159.48 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-22.87* | |
| 26 05 36 00-1829 | EA | 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray | 473.15 | 215.58 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-29.35* | |
| 26 05 36 00-1830 | EA | 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray | 588.23 | 274.45 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-35.95* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1831 | EA | 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray | 721.06 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-44.12* | |
| 26 05 36 00-1832 | EA | 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray | 814.36 | 378.96 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-49.86* | |
| 26 05 36 00-1833 | EA | 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray | 930.99 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-57.12* | |

## 26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1835 | EA | 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray | 421.70 | 168.05 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-28.16* | |
| 26 05 36 00-1836 | EA | 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray | 551.18 | 232.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-35.71* | |
| 26 05 36 00-1837 | EA | 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray | 702.16 | 303.06 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-44.96* | |
| 26 05 36 00-1838 | EA | 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray | 852.52 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-53.74* | |
| 26 05 36 00-1839 | EA | 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray | 977.43 | 432.66 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-61.68* | |
| 26 05 36 00-1840 | EA | 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray | 1,137.88 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-71.77* | |

## 26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1842 | EA | 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray | 507.92 | 177.88 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-35.97* | |
| 26 05 36 00-1843 | EA | 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray | 661.55 | 251.76 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-45.17* | |
| 26 05 36 00-1844 | EA | 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray | 851.06 | 336.48 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-57.07* | |
| 26 05 36 00-1845 | EA | 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray | 1,027.60 | 432.66 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-66.70* | |
| 26 05 36 00-1846 | EA | 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray | 1,184.47 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-76.42* | |
| 26 05 36 00-1847 | EA | 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray | 1,393.60 | 606.13 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-88.85* | |

## 26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1805)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1849 | EA | 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray | 423.34 | 158.85 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-29.09* | |
| 26 05 36 00-1850 | EA | 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray | 536.25 | 215.58 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-35.66* | |
| 26 05 36 00-1851 | EA | 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray | 637.27 | 274.82 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-40.82* | |
| 26 05 36 00-1852 | EA | 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray | 765.24 | 336.48 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-48.48* | |
| 26 05 36 00-1853 | EA | 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray | 840.64 | 378.96 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-52.48* | |
| 26 05 36 00-1854 | EA | 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray | 940.08 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-58.03* | |

## 26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1805)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1856 | EA | 6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray | 507.32 | 167.92 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-36.74* | |
| 26 05 36 00-1857 | EA | 12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray | 629.33 | 232.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-43.53* | |
| 26 05 36 00-1858 | EA | 18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray | 770.74 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-51.86* | |
| 26 05 36 00-1859 | EA | 24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray | 906.00 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-59.08* | |
| 26 05 36 00-1860 | EA | 30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray | 1,029.67 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-66.99* | |
| 26 05 36 00-1861 | EA | 36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray | 1,164.34 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-74.41* | |

## 26 05 36 00-1862 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1805)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1863 | EA | 6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray | 603.74 | 177.51 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-45.58* | |
| 26 05 36 00-1864 | EA | 12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray | 746.97 | 252.52 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-53.66* | |
| 26 05 36 00-1865 | EA | 18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray | 923.75 | 336.48 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-64.34* | |
| 26 05 36 00-1866 | EA | 24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray | 1,107.77 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-74.80* | |
| 26 05 36 00-1867 | EA | 30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray | 1,237.85 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-81.76* | |
| 26 05 36 00-1868 | EA | 36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray | 1,447.98 | 604.11 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-94.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 26 05 36 00-1869 12" Radius Horizontal Tees *(26 05 36 00-1805)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1870 | EA | 6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray | 690.34 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-43.82* | |
| 26 05 36 00-1871 | EA | 12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray | 835.82 | 377.44 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-52.13* | |
| 26 05 36 00-1872 | EA | 18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray | 955.52 | 432.66 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-59.49* | |
| 26 05 36 00-1873 | EA | 24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray | 1,111.51 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-69.13* | |
| 26 05 36 00-1874 | EA | 30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray | 1,226.30 | 549.66 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-76.82* | |
| 26 05 36 00-1875 | EA | 36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray | 1,346.90 | 604.11 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-84.34* | |

## 26 05 36 00-1876 24" Radius Horizontal Tees *(26 05 36 00-1805)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1877 | EA | 6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray | 867.61 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-58.77* | |
| 26 05 36 00-1878 | EA | 12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray | 1,054.94 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-69.52* | |
| 26 05 36 00-1879 | EA | 18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray | 1,214.88 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-79.47* | |
| 26 05 36 00-1880 | EA | 24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray | 1,493.92 | 604.11 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-99.05* | |
| 26 05 36 00-1881 | EA | 30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray | 1,649.93 | 672.95 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-108.91* | |
| 26 05 36 00-1882 | EA | 36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray | 1,844.15 | 756.41 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-121.38* | |

## 26 05 36 00-1883 36" Radius Horizontal Tees *(26 05 36 00-1805)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1884 | EA | 6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray | 1,071.39 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-75.62* | |
| 26 05 36 00-1885 | EA | 12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray | 1,343.52 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-92.33* | |
| 26 05 36 00-1886 | EA | 18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray | 1,559.17 | 606.13 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-105.41* | |
| 26 05 36 00-1887 | EA | 24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray | 1,922.25 | 756.41 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-129.19* | |
| 26 05 36 00-1888 | EA | 30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray | 2,146.35 | 867.47 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-142.35* | |
| 26 05 36 00-1889 | EA | 36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray | 2,503.39 | 1,005.89 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-166.52* | |

## 26 05 36 00-1890 12" Radius Vertical Tees *(26 05 36 00-1805)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1891 | EA | 6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray | 814.38 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-56.22* | |
| 26 05 36 00-1892 | EA | 12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray | 945.05 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-62.99* | |
| 26 05 36 00-1893 | EA | 18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray | 993.60 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-65.76* | |
| 26 05 36 00-1894 | EA | 24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray | 1,059.53 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-69.98* | |
| 26 05 36 00-1895 | EA | 30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray | 1,136.93 | 465.82 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-74.88* | |
| 26 05 36 00-1896 | EA | 36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray | 1,283.73 | 549.66 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-82.56* | |

## 26 05 36 00-1897 24" Radius Vertical Tees *(26 05 36 00-1805)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1898 | EA | 6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray | 975.58 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-69.57* | |
| 26 05 36 00-1899 | EA | 12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray | 1,156.01 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-79.62* | |
| 26 05 36 00-1900 | EA | 18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray | 1,233.41 | 465.82 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-84.53* | |
| 26 05 36 00-1901 | EA | 24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray | 1,332.03 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-91.18* | |
| 26 05 36 00-1902 | EA | 30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray | 1,433.04 | 549.66 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-97.49* | |
| 26 05 36 00-1903 | EA | 36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray | 1,682.09 | 672.95 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-112.13* | |

## 26 05 36 00-1904 36" Radius Vertical Tees *(26 05 36 00-1805)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-1905 | EA | 6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray | 1,290.65 | 377.44 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-97.61* | |
| 26 05 36 00-1906 | EA | 12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray | 1,518.10 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-109.79* | |
| 26 05 36 00-1907 | EA | 18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray | 1,616.81 | 549.66 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-115.87* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1908 | EA | 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray | 1,756.73 | 606.13 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-125.17* | |
| 26 05 36 00-1909 | EA | 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray | 1,983.01 | 672.95 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-142.22* | |
| 26 05 36 00-1910 | EA | 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray | 2,312.04 | 863.44 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-159.25* | |
| **26 05 36 00-1911** | | **12" Radius Horizontal Crosses** *(26 05 36 00-1805)* | | |
| 26 05 36 00-1912 | EA | 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray | 869.24 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-55.41* | |
| 26 05 36 00-1913 | EA | 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray | 962.41 | 432.66 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-60.18* | |
| 26 05 36 00-1914 | EA | 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray | 1,109.21 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-68.90* | |
| 26 05 36 00-1915 | EA | 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray | 1,289.48 | 604.11 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-78.60* | |
| 26 05 36 00-1916 | EA | 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray | 1,434.62 | 670.56 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-87.58* | |
| 26 05 36 00-1917 | EA | 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray | 1,616.73 | 756.41 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-98.64* | |
| **26 05 36 00-1918** | | **24" Radius Horizontal Crosses** *(26 05 36 00-1805)* | | |
| 26 05 36 00-1919 | EA | 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray | 1,095.64 | 432.66 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-73.50* | |
| 26 05 36 00-1920 | EA | 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray | 1,233.26 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-81.30* | |
| 26 05 36 00-1921 | EA | 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray | 1,438.79 | 604.11 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-93.53* | |
| 26 05 36 00-1922 | EA | 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray | 1,809.69 | 756.41 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-117.94* | |
| 26 05 36 00-1923 | EA | 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray | 2,045.57 | 863.44 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-132.60* | |
| 26 05 36 00-1924 | EA | 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray | 2,319.63 | 1,005.89 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-148.14* | |
| **26 05 36 00-1925** | | **36" Radius Horizontal Crosses** *(26 05 36 00-1805)* | | |
| 26 05 36 00-1926 | EA | 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray | 1,472.16 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-105.19* | |
| 26 05 36 00-1927 | EA | 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray | 1,674.03 | 606.13 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-116.90* | |
| 26 05 36 00-1928 | EA | 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray | 1,938.33 | 756.41 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-130.80* | |
| 26 05 36 00-1929 | EA | 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray | 2,500.87 | 1,011.19 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-165.82* | |
| 26 05 36 00-1930 | EA | 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray | 2,916.19 | 1,212.14 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-190.60* | |
| 26 05 36 00-1931 | EA | 36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray | 3,486.14 | 1,512.81 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-222.55* | |
| **26 05 36 00-1932** | | **Straight Reducers** *(26 05 36 00-1805)* | | |
| 26 05 36 00-1933 | EA | 12" To 6" Reducer, Vented Bottom, Steel Cable Tray | 330.70 | 128.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-22.34* | |
| 26 05 36 00-1934 | EA | 18" To 12" Reducer, Vented Bottom, Steel Cable Tray | 360.45 | 143.97 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-24.05* | |
| 26 05 36 00-1935 | EA | 24" To 18" Reducer, Vented Bottom, Steel Cable Tray | 408.29 | 167.80 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-26.85* | |
| 26 05 36 00-1936 | EA | 30" To 24" Reducer, Vented Bottom, Steel Cable Tray | 448.40 | 189.10 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-29.08* | |
| 26 05 36 00-1937 | EA | 36" To 30" Reducer, Vented Bottom, Steel Cable Tray | 489.52 | 208.26 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-31.60* | |
| **26 05 36 00-1938** | | **Reducers** *(26 05 36 00-1805)* | | |
| 26 05 36 00-1939 | EA | 18" To 6" Reducer, Vented Bottom, Steel Cable Tray | 360.45 | 143.97 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-24.05* | |
| 26 05 36 00-1940 | EA | 24" To 12" Reducer, Vented Bottom, Steel Cable Tray | 406.49 | 168.05 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-26.64* | |
| 26 05 36 00-1941 | EA | 30" To 12" Reducer, Vented Bottom, Steel Cable Tray | 445.79 | 188.85 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-28.84* | |
| 26 05 36 00-1942 | EA | 30" To 18" Reducer, Vented Bottom, Steel Cable Tray | 447.77 | 188.72 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-29.05* | |
| 26 05 36 00-1943 | EA | 36" To 12" Reducer, Vented Bottom, Steel Cable Tray | 487.22 | 208.26 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-31.37* | |
| 26 05 36 00-1944 | EA | 36" To 18" Reducer, Vented Bottom, Steel Cable Tray | 489.52 | 208.26 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-31.60* | |
| 26 05 36 00-1945 | EA | 36" To 24" Reducer, Vented Bottom, Steel Cable Tray | 492.59 | 208.76 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-31.87* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 36 00-1946** | | **Dropout Or End Plate** *(26 05 36 00-1805)* | | |
| 26 05 36 00-1947 | EA | 6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray | 105.21 | 46.52 |
| 26 05 36 00-1948 | EA | 12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray | 124.78 | 54.59 |
| 26 05 36 00-1949 | EA | 18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray | 137.53 | 60.26 |
| 26 05 36 00-1950 | EA | 24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray | 154.69 | 67.19 |
| 26 05 36 00-1951 | EA | 30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray | 171.63 | 75.51 |
| 26 05 36 00-1952 | EA | 36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray | 201.05 | 90.26 |
| **26 05 36 00-1953** | | **Vented Bottom Aluminum Cable Tray** *(26 05 36 00-1797)* | | |
| 26 05 36 00-1954 | LF | 6" Vented Bottom Aluminum Cable Tray, Straight Section | 39.90 | 9.83 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-3.17* | |
| 26 05 36 00-1955 | LF | 9" Vented Bottom Aluminum Cable Tray, Straight Section | 44.28 | 10.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-3.53* | |
| 26 05 36 00-1956 | LF | 12" Vented Bottom Aluminum Cable Tray, Straight Section | 49.55 | 12.11 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-3.95* | |
| 26 05 36 00-1957 | LF | 18" Vented Bottom Aluminum Cable Tray, Straight Section | 57.78 | 13.49 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-4.65* | |
| 26 05 36 00-1958 | LF | 24" Vented Bottom Aluminum Cable Tray, Straight Section | 66.37 | 15.00 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-5.39* | |
| 26 05 36 00-1959 | LF | 30" Vented Bottom Aluminum Cable Tray, Straight Section | 84.49 | 17.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-7.01* | |
| 26 05 36 00-1960 | LF | 36" Vented Bottom Aluminum Cable Tray, Straight Section | 93.90 | 20.29 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-7.70* | |
| **26 05 36 00-1961** | | **Vented Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1797)* | | |
| **26 05 36 00-1962** | | **90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)* | | |
| 26 05 36 00-1963 | EA | 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 455.93 | 159.35 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-32.32* | |
| 26 05 36 00-1964 | EA | 9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 495.33 | 172.97 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-35.12* | |
| 26 05 36 00-1965 | EA | 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 545.36 | 194.77 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-38.31* | |
| 26 05 36 00-1966 | EA | 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 616.43 | 215.83 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-43.65* | |
| 26 05 36 00-1967 | EA | 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 737.00 | 263.36 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-51.75* | |
| 26 05 36 00-1968 | EA | 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 872.11 | 303.06 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-61.96* | |
| 26 05 36 00-1969 | EA | 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 960.96 | 336.48 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-68.06* | |
| **26 05 36 00-1970** | | **90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)* | | |
| 26 05 36 00-1971 | EA | 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray | 555.87 | 167.92 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-41.59* | |
| 26 05 36 00-1972 | EA | 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray | 670.75 | 208.76 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-49.68* | |
| 26 05 36 00-1973 | EA | 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray | 760.69 | 232.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-56.66* | |
| 26 05 36 00-1974 | EA | 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray | 904.70 | 287.81 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-66.48* | |
| 26 05 36 00-1975 | EA | 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,044.52 | 335.34 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-76.51* | |
| 26 05 36 00-1976 | EA | 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,154.68 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-83.95* | |
| **26 05 36 00-1977** | | **90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)* | | |
| 26 05 36 00-1978 | EA | 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray | 685.05 | 177.51 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-53.71* | |
| 26 05 36 00-1979 | EA | 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray | 818.17 | 224.28 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-63.12* | |
| 26 05 36 00-1980 | EA | 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray | 925.80 | 252.52 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-71.54* | |
| 26 05 36 00-1981 | EA | 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,082.53 | 318.32 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-81.72* | |
| 26 05 36 00-1982 | EA | 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,162.67 | 308.49 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-90.56* | |
| 26 05 36 00-1983 | EA | 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,423.28 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-106.35* | |
| **26 05 36 00-1984** | | **45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)* | | |
| 26 05 36 00-1985 | EA | 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 414.27 | 159.48 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-28.14* | |
| 26 05 36 00-1986 | EA | 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 450.05 | 173.22 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-30.57* | |
| 26 05 36 00-1987 | EA | 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 496.78 | 194.77 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-33.45* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-1988 | EA | 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 559.56 | 215.58 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-37.99* | |
| 26 05 36 00-1989 | EA | 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 670.82 | 262.98 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-45.17* | |
| 26 05 36 00-1990 | EA | 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 791.36 | 303.06 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-53.88* | |
| 26 05 36 00-1991 | EA | 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray | 871.92 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-59.20* | |
| **26 05 36 00-1992** | | **45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)* | | |
| 26 05 36 00-1993 | EA | 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray | 495.41 | 168.05 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-35.53* | |
| 26 05 36 00-1994 | EA | 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray | 599.72 | 208.76 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-42.58* | |
| 26 05 36 00-1995 | EA | 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray | 679.22 | 233.23 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-48.49* | |
| 26 05 36 00-1996 | EA | 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray | 811.93 | 288.31 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-57.17* | |
| 26 05 36 00-1997 | EA | 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray | 939.65 | 336.48 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-65.93* | |
| 26 05 36 00-1998 | EA | 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,039.33 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-72.42* | |
| **26 05 36 00-1999** | | **45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)* | | |
| 26 05 36 00-2000 | EA | 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray | 600.00 | 177.88 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-45.18* | |
| 26 05 36 00-2001 | EA | 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray | 719.54 | 223.77 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-53.31* | |
| 26 05 36 00-2002 | EA | 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray | 814.70 | 252.52 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-60.43* | |
| 26 05 36 00-2003 | EA | 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray | 961.99 | 318.95 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-69.63* | |
| 26 05 36 00-2004 | EA | 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,099.39 | 356.14 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-80.26* | |
| 26 05 36 00-2005 | EA | 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,270.11 | 432.66 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-90.95* | |
| **26 05 36 00-2006** | | **90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1961)* | | |
| 26 05 36 00-2007 | EA | 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray | 496.65 | 158.85 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-36.42* | |
| 26 05 36 00-2008 | EA | 9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray | 533.17 | 172.59 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-38.94* | |
| 26 05 36 00-2009 | EA | 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray | 572.95 | 194.77 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-41.07* | |
| 26 05 36 00-2010 | EA | 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray | 616.43 | 215.83 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-43.65* | |
| 26 05 36 00-2011 | EA | 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray | 723.20 | 263.36 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-50.37* | |
| 26 05 36 00-2012 | EA | 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray | 803.12 | 303.06 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-55.06* | |
| 26 05 36 00-2013 | EA | 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray | 860.61 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-58.07* | |
| **26 05 36 00-2014** | | **90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1961)* | | |
| 26 05 36 00-2015 | EA | 6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray | 591.75 | 167.92 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-45.18* | |
| 26 05 36 00-2016 | EA | 12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray | 687.31 | 208.76 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-51.34* | |
| 26 05 36 00-2017 | EA | 18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray | 757.93 | 232.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-56.39* | |
| 26 05 36 00-2018 | EA | 24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray | 855.76 | 288.31 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-61.55* | |
| 26 05 36 00-2019 | EA | 30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray | 954.44 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-67.45* | |
| 26 05 36 00-2020 | EA | 36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,044.29 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-72.91* | |
| **26 05 36 00-2021** | | **90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1961)* | | |
| 26 05 36 00-2022 | EA | 6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray | 682.29 | 177.51 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-53.43* | |
| 26 05 36 00-2023 | EA | 12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray | 787.81 | 224.28 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-60.09* | |
| 26 05 36 00-2024 | EA | 18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray | 884.41 | 252.52 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-67.40* | |
| 26 05 36 00-2025 | EA | 24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,032.85 | 318.32 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-76.76* | |
| 26 05 36 00-2026 | EA | 30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,145.48 | 356.14 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-84.87* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2027 | EA | 36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,288.06 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-92.83* | |

## 26 05 36 00-2028 12" Radius Horizontal Tees *(26 05 36 00-1961)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2029 | EA | 6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 794.04 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-54.19* | |
| 26 05 36 00-2030 | EA | 9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 828.64 | 318.32 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-56.33* | |
| 26 05 36 00-2031 | EA | 12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 881.69 | 335.34 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-60.23* | |
| 26 05 36 00-2032 | EA | 18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,006.92 | 378.96 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-69.11* | |
| 26 05 36 00-2033 | EA | 24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,150.07 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-79.03* | |
| 26 05 36 00-2034 | EA | 30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,301.32 | 504.27 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-88.11* | |
| 26 05 36 00-2035 | EA | 36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,440.53 | 549.66 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-98.24* | |

## 26 05 36 00-2036 24" Radius Horizontal Tees *(26 05 36 00-1961)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2037 | EA | 6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,001.35 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-72.15* | |
| 26 05 36 00-2038 | EA | 12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,131.34 | 377.44 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-81.68* | |
| 26 05 36 00-2039 | EA | 18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,271.50 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-91.17* | |
| 26 05 36 00-2040 | EA | 24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,528.13 | 502.88 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-110.90* | |
| 26 05 36 00-2041 | EA | 30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,755.28 | 606.13 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-125.02* | |
| 26 05 36 00-2042 | EA | 36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,990.89 | 672.95 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-143.01* | |

## 26 05 36 00-2043 36" Radius Horizontal Tees *(26 05 36 00-1961)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2044 | EA | 6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,339.58 | 378.20 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-102.44* | |
| 26 05 36 00-2045 | EA | 12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,533.67 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-117.39* | |
| 26 05 36 00-2046 | EA | 18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,626.43 | 421.20 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-127.55* | |
| 26 05 36 00-2047 | EA | 24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray | 2,083.21 | 604.11 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-157.97* | |
| 26 05 36 00-2048 | EA | 30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray | 2,411.01 | 759.43 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-177.81* | |
| 26 05 36 00-2049 | EA | 36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray | 2,763.78 | 863.44 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-204.42* | |

## 26 05 36 00-2050 12" Radius Vertical Tees *(26 05 36 00-1961)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2051 | EA | 6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 901.67 | 302.56 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-64.95* | |
| 26 05 36 00-2052 | EA | 9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 930.75 | 318.32 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-66.55* | |
| 26 05 36 00-2053 | EA | 12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 990.31 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-71.04* | |
| 26 05 36 00-2054 | EA | 18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,026.81 | 356.14 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-73.00* | |
| 26 05 36 00-2055 | EA | 24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,073.39 | 377.44 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-75.89* | |
| 26 05 36 00-2056 | EA | 30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,135.63 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-79.96* | |
| 26 05 36 00-2057 | EA | 36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,257.32 | 464.56 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-87.01* | |

## 26 05 36 00-2058 24" Radius Vertical Tees *(26 05 36 00-1961)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2059 | EA | 6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,122.78 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-84.29* | |
| 26 05 36 00-2060 | EA | 12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,236.21 | 377.44 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-92.17* | |
| 26 05 36 00-2061 | EA | 18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,320.53 | 403.17 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-98.45* | |
| 26 05 36 00-2062 | EA | 24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,409.48 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-104.97* | |
| 26 05 36 00-2063 | EA | 30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,519.49 | 464.56 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-113.23* | |
| 26 05 36 00-2064 | EA | 36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,677.78 | 551.29 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-121.84* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 36 00-2065** | | **36" Radius Vertical Tees** *(26 05 36 00-1961)* | | |
| 26 05 36 00-2066 | EA | 6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,498.38 | 377.44 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-118.38* | |
| 26 05 36 00-2067 | EA | 12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,644.06 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-128.43* | |
| 26 05 36 00-2068 | EA | 18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,726.46 | 464.56 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-133.93* | |
| 26 05 36 00-2069 | EA | 24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,863.79 | 505.65 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-144.24* | |
| 26 05 36 00-2070 | EA | 30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray | 2,022.74 | 551.29 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-156.33* | |
| 26 05 36 00-2071 | EA | 36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray | 2,276.69 | 670.56 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-171.79* | |
| **26 05 36 00-2072** | | **12" Radius Horizontal Crosses** *(26 05 36 00-1961)* | | |
| 26 05 36 00-2073 | EA | 6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray | 921.32 | 335.84 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-64.14* | |
| 26 05 36 00-2074 | EA | 9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray | 979.90 | 356.14 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-68.31* | |
| 26 05 36 00-2075 | EA | 12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,029.00 | 378.96 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-71.32* | |
| 26 05 36 00-2076 | EA | 18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,136.27 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-77.65* | |
| 26 05 36 00-2077 | EA | 24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,301.84 | 502.88 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-88.27* | |
| 26 05 36 00-2078 | EA | 30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,476.51 | 548.14 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-101.97* | |
| 26 05 36 00-2079 | EA | 36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray | 1,800.47 | 672.95 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-123.97* | |
| **26 05 36 00-2080** | | **24" Radius Horizontal Crosses** *(26 05 36 00-1961)* | | |
| 26 05 36 00-2081 | EA | 6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,280.13 | 378.96 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-96.43* | |
| 26 05 36 00-2082 | EA | 12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,428.80 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-106.90* | |
| 26 05 36 00-2083 | EA | 18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,602.65 | 502.88 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-118.35* | |
| 26 05 36 00-2084 | EA | 24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray | 1,890.03 | 604.11 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-138.66* | |
| 26 05 36 00-2085 | EA | 30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray | 2,069.71 | 670.56 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-151.09* | |
| 26 05 36 00-2086 | EA | 36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray | 2,515.41 | 863.44 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-179.58* | |
| **26 05 36 00-2087** | | **36" Radius Horizontal Crosses** *(26 05 36 00-1961)* | | |
| 26 05 36 00-2088 | EA | 6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,782.04 | 431.78 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-142.23* | |
| 26 05 36 00-2089 | EA | 12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray | 1,974.18 | 505.65 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-155.28* | |
| 26 05 36 00-2090 | EA | 18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray | 2,234.99 | 604.11 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-173.15* | |
| 26 05 36 00-2091 | EA | 24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray | 2,686.98 | 759.43 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-205.41* | |
| 26 05 36 00-2092 | EA | 30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray | 2,991.16 | 867.47 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-226.83* | |
| 26 05 36 00-2093 | EA | 36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray | 3,470.23 | 1,005.89 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-263.20* | |
| **26 05 36 00-2094** | | **Straight Reducers** *(26 05 36 00-1961)* | | |
| 26 05 36 00-2095 | EA | 9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray | 344.80 | 100.85 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-26.07* | |
| 26 05 36 00-2096 | EA | 12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray | 361.96 | 106.28 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-27.34* | |
| 26 05 36 00-2097 | EA | 18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray | 408.68 | 125.94 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-30.37* | |
| 26 05 36 00-2098 | EA | 24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray | 452.17 | 143.85 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-33.23* | |
| 26 05 36 00-2099 | EA | 30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray | 498.17 | 168.05 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-35.81* | |
| 26 05 36 00-2100 | EA | 36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray | 540.84 | 188.72 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-38.36* | |
| **26 05 36 00-2101** | | **Reducers** *(26 05 36 00-1961)* | | |
| 26 05 36 00-2102 | EA | 12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray | 361.67 | 106.03 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-27.33* | |
| 26 05 36 00-2103 | EA | 18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray | 408.54 | 125.94 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-30.36* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2104 | EA | 18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray | 408.54 | 125.94 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-30.36* | |
| 26 05 36 00-2105 | EA | 24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray | 452.35 | 143.97 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-33.24* | |
| 26 05 36 00-2106 | EA | 24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray | 452.35 | 143.97 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-33.24* | |
| 26 05 36 00-2107 | EA | 24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray | 452.72 | 144.10 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-33.26* | |
| 26 05 36 00-2108 | EA | 30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray | 503.44 | 167.92 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-36.35* | |
| 26 05 36 00-2109 | EA | 30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray | 497.67 | 167.80 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-35.78* | |
| 26 05 36 00-2110 | EA | 36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray | 540.84 | 188.72 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-38.36* | |
| 26 05 36 00-2111 | EA | 36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray | 540.84 | 188.72 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-38.36* | |
| 26 05 36 00-2112 | EA | 36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray | 541.47 | 189.10 |
| | | *For 4-5/8" Overall Height Instead Of 6", Deduct* | *-38.39* | |

## 26 05 36 00-2113 Dropout Or End Plate *(26 05 36 00-1961)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2114 | EA | 6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray | 113.68 | 46.52 |
| 26 05 36 00-2115 | EA | 9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray | 124.05 | 50.81 |
| 26 05 36 00-2116 | EA | 12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray | 133.68 | 54.59 |
| 26 05 36 00-2117 | EA | 18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray | 151.90 | 60.26 |
| 26 05 36 00-2118 | EA | 24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray | 174.17 | 67.19 |
| 26 05 36 00-2119 | EA | 30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray | 192.15 | 75.51 |
| 26 05 36 00-2120 | EA | 36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray | 220.00 | 86.48 |

## 26 05 36 00-2121 Cable Tray Covers And Dividers *(26 05 36 00-0001)*

## 26 05 36 00-2122 Galvanized Steel Covers *(26 05 36 00-2121)*

## 26 05 36 00-2123 Ventilated Straight Sections *(26 05 36 00-2122)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2124 | LF | 6" Steel Cable Tray Cover, Straight Section | 11.09 | 2.26 |
| 26 05 36 00-2125 | LF | 9" Steel Cable Tray Cover, Straight Section | 13.37 | 2.65 |
| 26 05 36 00-2126 | LF | 12" Steel Cable Tray Cover, Straight Section | 15.71 | 3.03 |
| 26 05 36 00-2127 | LF | 18" Steel Cable Tray Cover, Straight Section | 21.30 | 4.04 |
| 26 05 36 00-2128 | LF | 24" Steel Cable Tray Cover, Straight Section | 27.02 | 5.42 |
| 26 05 36 00-2129 | LF | 30" Steel Cable Tray Cover, Straight Section | 32.77 | 6.68 |
| 26 05 36 00-2130 | LF | 36" Steel Cable Tray Cover, Straight Section | 151.01 | 75.77 |

## 26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2132 | EA | 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 67.48 | 8.07 |
| 26 05 36 00-2133 | EA | 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 75.48 | 9.46 |
| 26 05 36 00-2134 | EA | 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 81.79 | 11.22 |
| 26 05 36 00-2135 | EA | 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 111.23 | 14.37 |
| 26 05 36 00-2136 | EA | 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 136.20 | 18.28 |
| 26 05 36 00-2137 | EA | 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 164.66 | 20.29 |
| 26 05 36 00-2138 | EA | 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 198.89 | 24.20 |

## 26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2122)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2140 | EA | 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 104.45 | 8.95 |
| 26 05 36 00-2141 | EA | 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 109.28 | 10.46 |
| 26 05 36 00-2142 | EA | 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 123.28 | 12.61 |
| 26 05 36 00-2143 | EA | 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 152.94 | 16.01 |
| 26 05 36 00-2144 | EA | 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 187.57 | 20.17 |
| 26 05 36 00-2145 | EA | 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 240.91 | 23.20 |
| 26 05 36 00-2146 | EA | 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 280.20 | 27.48 |

## 26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2122)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2148 | EA | 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 147.67 | 10.08 |
| 26 05 36 00-2149 | EA | 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 164.13 | 11.59 |
| 26 05 36 00-2150 | EA | 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 177.90 | 14.37 |
| 26 05 36 00-2151 | EA | 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 225.57 | 16.77 |
| 26 05 36 00-2152 | EA | 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 273.09 | 23.32 |
| 26 05 36 00-2153 | EA | 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 321.82 | 26.35 |
| 26 05 36 00-2154 | EA | 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 376.54 | 30.25 |

## 26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2156 | EA | 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 51.87 | 8.07 |
| | | *For 60 Degree Bend, Deduct* | *-14.01* | |
| | | *For 30 Degree Bend, Deduct* | *-23.80* | |
| 26 05 36 00-2157 | EA | 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 61.69 | 9.46 |
| | | *For 60 Degree Bend, Deduct* | *-16.74* | |
| | | *For 30 Degree Bend, Deduct* | *-28.42* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2158 | EA | 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 69.16 | 11.22 |
| | | *For 60 Degree Bend, Deduct* | *-18.54* | |
| | | *For 30 Degree Bend, Deduct* | *-31.52* | |
| 26 05 36 00-2159 | EA | 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 83.77 | 13.74 |
| | | *For 60 Degree Bend, Deduct* | *-22.38* | |
| | | *For 30 Degree Bend, Deduct* | *-38.06* | |
| 26 05 36 00-2160 | EA | 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 97.79 | 15.88 |
| | | *For 60 Degree Bend, Deduct* | *-26.16* | |
| | | *For 30 Degree Bend, Deduct* | *-44.48* | |
| 26 05 36 00-2161 | EA | 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 114.41 | 18.28 |
| | | *For 60 Degree Bend, Deduct* | *-30.73* | |
| | | *For 30 Degree Bend, Deduct* | *-52.23* | |
| 26 05 36 00-2162 | EA | 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover | 127.80 | 20.17 |
| | | *For 60 Degree Bend, Deduct* | *-34.44* | |
| | | *For 30 Degree Bend, Deduct* | *-58.52* | |

## 26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2122)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2164 | EA | 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 71.16 | 8.95 |
| | | *For 60 Degree Bend, Deduct* | *-20.06* | |
| | | *For 30 Degree Bend, Deduct* | *-33.93* | |
| 26 05 36 00-2165 | EA | 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 80.57 | 10.46 |
| | | *For 60 Degree Bend, Deduct* | *-22.59* | |
| | | *For 30 Degree Bend, Deduct* | *-38.22* | |
| 26 05 36 00-2166 | EA | 12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 92.27 | 12.61 |
| | | *For 60 Degree Bend, Deduct* | *-25.61* | |
| | | *For 30 Degree Bend, Deduct* | *-43.38* | |
| 26 05 36 00-2167 | EA | 18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 106.80 | 15.13 |
| | | *For 60 Degree Bend, Deduct* | *-29.44* | |
| | | *For 30 Degree Bend, Deduct* | *-49.90* | |
| 26 05 36 00-2168 | EA | 24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 123.05 | 17.27 |
| | | *For 60 Degree Bend, Deduct* | *-33.97* | |
| | | *For 30 Degree Bend, Deduct* | *-57.57* | |
| 26 05 36 00-2169 | EA | 30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 153.15 | 20.17 |
| | | *For 60 Degree Bend, Deduct* | *-42.79* | |
| | | *For 30 Degree Bend, Deduct* | *-72.44* | |
| 26 05 36 00-2170 | EA | 36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover | 169.77 | 23.32 |
| | | *For 60 Degree Bend, Deduct* | *-47.09* | |
| | | *For 30 Degree Bend, Deduct* | *-79.78* | |

## 26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2122)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2172 | EA | 6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 98.31 | 10.08 |
| | | *For 60 Degree Bend, Deduct* | *-28.59* | |
| | | *For 30 Degree Bend, Deduct* | *-48.20* | |
| 26 05 36 00-2173 | EA | 9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 111.29 | 11.59 |
| | | *For 60 Degree Bend, Deduct* | *-32.26* | |
| | | *For 30 Degree Bend, Deduct* | *-54.42* | |
| 26 05 36 00-2174 | EA | 12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 124.99 | 14.37 |
| | | *For 60 Degree Bend, Deduct* | *-35.75* | |
| | | *For 30 Degree Bend, Deduct* | *-60.37* | |
| 26 05 36 00-2175 | EA | 18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 142.63 | 16.01 |
| | | *For 60 Degree Bend, Deduct* | *-40.94* | |
| | | *For 30 Degree Bend, Deduct* | *-69.13* | |
| 26 05 36 00-2176 | EA | 24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 173.84 | 19.54 |
| | | *For 60 Degree Bend, Deduct* | *-49.88* | |
| | | *For 30 Degree Bend, Deduct* | *-84.21* | |
| 26 05 36 00-2177 | EA | 30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 192.74 | 23.32 |
| | | *For 60 Degree Bend, Deduct* | *-54.67* | |
| | | *For 30 Degree Bend, Deduct* | *-92.42* | |
| 26 05 36 00-2178 | EA | 36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover | 228.12 | 25.21 |
| | | *For 60 Degree Bend, Deduct* | *-65.61* | |
| | | *For 30 Degree Bend, Deduct* | *-110.75* | |

## 26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-2122)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2180 | EA | 6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover | 58.48 | 8.07 |
| 26 05 36 00-2181 | EA | 9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover | 61.69 | 9.46 |
| 26 05 36 00-2182 | EA | 12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover | 68.01 | 11.22 |
| 26 05 36 00-2183 | EA | 18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover | 79.21 | 13.74 |
| 26 05 36 00-2184 | EA | 24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover | 87.08 | 17.78 |
| 26 05 36 00-2185 | EA | 30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover | 96.89 | 20.29 |
| 26 05 36 00-2186 | EA | 36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover | 121.85 | 24.20 |

## 26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-2122)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2188 | EA | 6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover | 69.99 | 8.95 |
| 26 05 36 00-2189 | EA | 9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover | 78.27 | 10.46 |
| 26 05 36 00-2190 | EA | 12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover | 84.23 | 12.61 |
| 26 05 36 00-2191 | EA | 18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover | 109.06 | 15.13 |
| 26 05 36 00-2192 | EA | 24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover | 126.71 | 19.54 |
| 26 05 36 00-2193 | EA | 30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover | 145.60 | 23.32 |
| 26 05 36 00-2194 | EA | 36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover | 167.64 | 27.48 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 36 00-2195** | | **90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2122)* | | |
| 26 05 36 00-2196 | EA | 6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover | 81.05 | 10.08 |
| 26 05 36 00-2197 | EA | 9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover | 100.96 | 11.59 |
| 26 05 36 00-2198 | EA | 12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover | 115.87 | 14.37 |
| 26 05 36 00-2199 | EA | 18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover | 142.63 | 16.01 |
| 26 05 36 00-2200 | EA | 24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover | 165.91 | 22.32 |
| 26 05 36 00-2201 | EA | 30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover | 197.78 | 26.35 |
| 26 05 36 00-2202 | EA | 36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover | 231.82 | 30.25 |
| **26 05 36 00-2203** | | **12" Radius Horizontal Tees** *(26 05 36 00-2122)* | | |
| 26 05 36 00-2204 | EA | 6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover | 103.49 | 13.11 |
| 26 05 36 00-2205 | EA | 9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover | 109.06 | 15.13 |
| 26 05 36 00-2206 | EA | 12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover | 123.74 | 17.78 |
| 26 05 36 00-2207 | EA | 18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover | 148.56 | 20.17 |
| 26 05 36 00-2208 | EA | 24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover | 183.55 | 23.32 |
| 26 05 36 00-2209 | EA | 30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover | 225.92 | 33.53 |
| 26 05 36 00-2210 | EA | 36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover | 271.52 | 40.22 |
| **26 05 36 00-2211** | | **24" Radius Horizontal Tees** *(26 05 36 00-2122)* | | |
| 26 05 36 00-2212 | EA | 6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover | 151.57 | 13.74 |
| 26 05 36 00-2213 | EA | 9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover | 173.64 | 16.01 |
| 26 05 36 00-2214 | EA | 12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover | 183.10 | 18.91 |
| 26 05 36 00-2215 | EA | 18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover | 231.32 | 21.69 |
| 26 05 36 00-2216 | EA | 24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover | 340.55 | 25.21 |
| 26 05 36 00-2217 | EA | 30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover | 403.05 | 37.82 |
| 26 05 36 00-2218 | EA | 36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover | 451.96 | 46.52 |
| **26 05 36 00-2219** | | **36" Radius Horizontal Tees** *(26 05 36 00-2122)* | | |
| 26 05 36 00-2220 | EA | 6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover | 255.96 | 14.37 |
| 26 05 36 00-2221 | EA | 9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover | 264.59 | 16.77 |
| 26 05 36 00-2222 | EA | 12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover | 295.53 | 20.17 |
| 26 05 36 00-2223 | EA | 18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover | 346.70 | 23.32 |
| 26 05 36 00-2224 | EA | 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover | 450.18 | 27.48 |
| 26 05 36 00-2225 | EA | 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover | 510.97 | 43.37 |
| 26 05 36 00-2226 | EA | 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover | 589.88 | 54.84 |
| **26 05 36 00-2227** | | **12" Radius Horizontal Crosses** *(26 05 36 00-2122)* | | |
| 26 05 36 00-2228 | EA | 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover | 151.37 | 17.78 |
| 26 05 36 00-2229 | EA | 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover | 160.16 | 18.91 |
| 26 05 36 00-2230 | EA | 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover | 177.27 | 20.17 |
| 26 05 36 00-2231 | EA | 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover | 208.82 | 23.32 |
| 26 05 36 00-2232 | EA | 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover | 262.62 | 33.53 |
| 26 05 36 00-2233 | EA | 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover | 303.61 | 40.22 |
| 26 05 36 00-2234 | EA | 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover | 347.65 | 43.24 |
| **26 05 36 00-2235** | | **24" Radius Horizontal Crosses** *(26 05 36 00-2122)* | | |
| 26 05 36 00-2236 | EA | 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover | 263.57 | 18.91 |
| 26 05 36 00-2237 | EA | 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover | 286.34 | 20.17 |
| 26 05 36 00-2238 | EA | 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover | 307.12 | 21.69 |
| 26 05 36 00-2239 | EA | 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover | 365.81 | 25.21 |
| 26 05 36 00-2240 | EA | 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover | 458.14 | 37.82 |
| 26 05 36 00-2241 | EA | 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover | 523.07 | 46.52 |
| 26 05 36 00-2242 | EA | 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover | 584.64 | 50.30 |
| **26 05 36 00-2243** | | **36" Radius Horizontal Crosses** *(26 05 36 00-2122)* | | |
| 26 05 36 00-2244 | EA | 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover | 421.87 | 20.17 |
| 26 05 36 00-2245 | EA | 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover | 438.06 | 21.69 |
| 26 05 36 00-2246 | EA | 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover | 461.56 | 23.32 |
| 26 05 36 00-2247 | EA | 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover | 532.88 | 27.48 |
| 26 05 36 00-2248 | EA | 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover | 692.39 | 43.24 |
| 26 05 36 00-2249 | EA | 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover | 757.98 | 55.09 |
| 26 05 36 00-2250 | EA | 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover | 812.96 | 60.51 |
| **26 05 36 00-2251** | | **Reducers** *(26 05 36 00-2122)* | | |
| 26 05 36 00-2252 | EA | 9" To 6" Reducer, Steel Cable Tray Covers | 67.45 | 9.46 |
| 26 05 36 00-2253 | EA | 12" To 6" Reducer, Steel Cable Tray Covers | 72.64 | 11.22 |
| 26 05 36 00-2254 | EA | 12" To 9" Reducer, Steel Cable Tray Covers | 72.64 | 11.22 |
| 26 05 36 00-2255 | EA | 18" To 6" Reducer, Steel Cable Tray Covers | 80.35 | 13.74 |
| 26 05 36 00-2256 | EA | 18" To 12" Reducer, Steel Cable Tray Covers | 80.35 | 13.74 |
| 26 05 36 00-2257 | EA | 24" To 12" Reducer, Steel Cable Tray Covers | 98.72 | 15.13 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2258 | EA | 24" To 18" Reducer, Steel Cable Tray Covers | 105.61 | 15.13 |
| 26 05 36 00-2259 | EA | 30" To 12" Reducer, Steel Cable Tray Covers | 102.35 | 17.27 |
| 26 05 36 00-2260 | EA | 30" To 18" Reducer, Steel Cable Tray Covers | 109.24 | 17.27 |
| 26 05 36 00-2261 | EA | 30" To 24" Reducer, Steel Cable Tray Covers | 113.83 | 17.27 |
| 26 05 36 00-2262 | EA | 36" To 12" Reducer, Steel Cable Tray Covers | 118.74 | 18.91 |
| 26 05 36 00-2263 | EA | 36" To 18" Reducer, Steel Cable Tray Covers | 121.04 | 18.91 |
| 26 05 36 00-2264 | EA | 36" To 24" Reducer, Steel Cable Tray Covers | 123.33 | 18.91 |
| 26 05 36 00-2265 | EA | 36" To 30" Reducer, Steel Cable Tray Covers | 124.48 | 18.91 |
| 26 05 36 00-2266 | | Aluminum Covers *(26 05 36 00-2121)* | | |
| 26 05 36 00-2267 | | Ventilated Straight Sections *(26 05 36 00-2266)* | | |
| 26 05 36 00-2268 | LF | 6" Aluminum Cable Tray Cover, Straight Section | 12.09 | 2.26 |
| 26 05 36 00-2269 | LF | 9" Aluminum Cable Tray Cover, Straight Section | 14.41 | 2.65 |
| 26 05 36 00-2270 | LF | 12" Aluminum Cable Tray Cover, Straight Section | 16.92 | 3.03 |
| 26 05 36 00-2271 | LF | 18" Aluminum Cable Tray Cover, Straight Section | 22.52 | 4.04 |
| 26 05 36 00-2272 | LF | 24" Aluminum Cable Tray Cover, Straight Section | 28.96 | 5.42 |
| 26 05 36 00-2273 | LF | 30" Aluminum Cable Tray Cover, Straight Section | 32.93 | 6.68 |
| 26 05 36 00-2274 | LF | 36" Aluminum Cable Tray Cover, Straight Section | 149.43 | 75.77 |
| 26 05 36 00-2275 | | 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2266)* | | |
| 26 05 36 00-2276 | EA | 6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 67.38 | 8.07 |
| 26 05 36 00-2277 | EA | 9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 71.97 | 9.46 |
| 26 05 36 00-2278 | EA | 12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 79.53 | 11.22 |
| 26 05 36 00-2279 | EA | 18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 103.59 | 14.37 |
| 26 05 36 00-2280 | EA | 24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 131.27 | 18.28 |
| 26 05 36 00-2281 | EA | 30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 154.37 | 20.29 |
| 26 05 36 00-2282 | EA | 36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 187.98 | 24.20 |
| 26 05 36 00-2283 | | 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2266)* | | |
| 26 05 36 00-2284 | EA | 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 88.65 | 8.95 |
| 26 05 36 00-2285 | EA | 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 108.76 | 10.46 |
| 26 05 36 00-2286 | EA | 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 121.80 | 12.61 |
| 26 05 36 00-2287 | EA | 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 146.08 | 16.01 |
| 26 05 36 00-2288 | EA | 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 181.25 | 20.17 |
| 26 05 36 00-2289 | EA | 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 219.15 | 23.20 |
| 26 05 36 00-2290 | EA | 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 268.45 | 27.48 |
| 26 05 36 00-2291 | | 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2266)* | | |
| 26 05 36 00-2292 | EA | 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 143.23 | 10.08 |
| 26 05 36 00-2293 | EA | 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 157.63 | 11.59 |
| 26 05 36 00-2294 | EA | 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 180.95 | 14.37 |
| 26 05 36 00-2295 | EA | 18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 215.43 | 16.77 |
| 26 05 36 00-2296 | EA | 24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 266.02 | 23.32 |
| 26 05 36 00-2297 | EA | 30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 306.25 | 26.35 |
| 26 05 36 00-2298 | EA | 36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 357.24 | 30.25 |
| 26 05 36 00-2299 | | 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2266)* | | |
| 26 05 36 00-2300 | EA | 6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 53.34 | 8.07 |
| | | *For 60 Degree Bend, Deduct* | *-14.49* | |
| | | *For 30 Degree Bend, Deduct* | *-24.61* | |
| 26 05 36 00-2301 | EA | 9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 56.75 | 9.46 |
| | | *For 60 Degree Bend, Deduct* | *-15.11* | |
| | | *For 30 Degree Bend, Deduct* | *-25.70* | |
| 26 05 36 00-2302 | EA | 12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 64.54 | 11.22 |
| | | *For 60 Degree Bend, Deduct* | *-17.02* | |
| | | *For 30 Degree Bend, Deduct* | *-28.98* | |
| 26 05 36 00-2303 | EA | 18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 75.61 | 13.74 |
| | | *For 60 Degree Bend, Deduct* | *-19.68* | |
| | | *For 30 Degree Bend, Deduct* | *-33.57* | |
| 26 05 36 00-2304 | EA | 24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 85.15 | 15.88 |
| | | *For 60 Degree Bend, Deduct* | *-21.99* | |
| | | *For 30 Degree Bend, Deduct* | *-37.53* | |
| 26 05 36 00-2305 | EA | 30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 104.35 | 18.28 |
| | | *For 60 Degree Bend, Deduct* | *-27.41* | |
| | | *For 30 Degree Bend, Deduct* | *-46.70* | |
| 26 05 36 00-2306 | EA | 36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover | 122.64 | 20.17 |
| | | *For 60 Degree Bend, Deduct* | *-32.74* | |
| | | *For 30 Degree Bend, Deduct* | *-55.69* | |
| 26 05 36 00-2307 | | 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2266)* | | |
| 26 05 36 00-2308 | EA | 6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 61.15 | 8.95 |
| | | *For 60 Degree Bend, Deduct* | *-16.76* | |
| | | *For 30 Degree Bend, Deduct* | *-28.42* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2309 | EA | 9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 75.97 | 10.46 |
| | | *For 60 Degree Bend, Deduct* | *-21.07* | |
| | | *For 30 Degree Bend, Deduct* | *-35.69* | |
| 26 05 36 00-2310 | EA | 12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 81.97 | 12.61 |
| | | *For 60 Degree Bend, Deduct* | *-22.21* | |
| | | *For 30 Degree Bend, Deduct* | *-37.71* | |
| 26 05 36 00-2311 | EA | 18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 99.04 | 15.13 |
| | | *For 60 Degree Bend, Deduct* | *-26.88* | |
| | | *For 30 Degree Bend, Deduct* | *-45.63* | |
| 26 05 36 00-2312 | EA | 24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 120.23 | 17.27 |
| | | *For 60 Degree Bend, Deduct* | *-33.04* | |
| | | *For 30 Degree Bend, Deduct* | *-56.02* | |
| 26 05 36 00-2313 | EA | 30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 139.12 | 20.17 |
| | | *For 60 Degree Bend, Deduct* | *-38.16* | |
| | | *For 30 Degree Bend, Deduct* | *-64.72* | |
| 26 05 36 00-2314 | EA | 36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover | 160.65 | 23.32 |
| | | *For 60 Degree Bend, Deduct* | *-44.08* | |
| | | *For 30 Degree Bend, Deduct* | *-74.77* | |
| **26 05 36 00-2315** | | **45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)* | | |
| 26 05 36 00-2316 | EA | 6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 96.41 | 10.08 |
| | | *For 60 Degree Bend, Deduct* | *-27.96* | |
| | | *For 30 Degree Bend, Deduct* | *-47.16* | |
| 26 05 36 00-2317 | EA | 9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 106.09 | 11.59 |
| | | *For 60 Degree Bend, Deduct* | *-30.55* | |
| | | *For 30 Degree Bend, Deduct* | *-51.56* | |
| 26 05 36 00-2318 | EA | 12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 115.28 | 14.37 |
| | | *For 60 Degree Bend, Deduct* | *-32.54* | |
| | | *For 30 Degree Bend, Deduct* | *-55.03* | |
| 26 05 36 00-2319 | EA | 18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 136.74 | 16.01 |
| | | *For 60 Degree Bend, Deduct* | *-39.00* | |
| | | *For 30 Degree Bend, Deduct* | *-65.89* | |
| 26 05 36 00-2320 | EA | 24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 166.10 | 19.54 |
| | | *For 60 Degree Bend, Deduct* | *-47.32* | |
| | | *For 30 Degree Bend, Deduct* | *-79.96* | |
| 26 05 36 00-2321 | EA | 30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 191.10 | 23.32 |
| | | *For 60 Degree Bend, Deduct* | *-54.13* | |
| | | *For 30 Degree Bend, Deduct* | *-91.51* | |
| 26 05 36 00-2322 | EA | 36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover | 215.41 | 25.21 |
| | | *For 60 Degree Bend, Deduct* | *-61.41* | |
| | | *For 30 Degree Bend, Deduct* | *-103.76* | |
| **26 05 36 00-2323** | | **90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-2266)* | | |
| 26 05 36 00-2324 | EA | 6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover | 59.38 | 8.07 |
| 26 05 36 00-2325 | EA | 9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover | 62.02 | 9.46 |
| 26 05 36 00-2326 | EA | 12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover | 68.99 | 11.22 |
| 26 05 36 00-2327 | EA | 18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover | 81.50 | 13.74 |
| 26 05 36 00-2328 | EA | 24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover | 90.56 | 17.78 |
| 26 05 36 00-2329 | EA | 30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover | 95.80 | 20.29 |
| 26 05 36 00-2330 | EA | 36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover | 115.27 | 24.20 |
| **26 05 36 00-2331** | | **90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2266)* | | |
| 26 05 36 00-2332 | EA | 6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover | 67.57 | 8.95 |
| 26 05 36 00-2333 | EA | 9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover | 74.80 | 10.46 |
| 26 05 36 00-2334 | EA | 12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover | 83.14 | 12.61 |
| 26 05 36 00-2335 | EA | 18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover | 100.18 | 15.13 |
| 26 05 36 00-2336 | EA | 24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover | 114.52 | 19.54 |
| 26 05 36 00-2337 | EA | 30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover | 144.20 | 23.32 |
| 26 05 36 00-2338 | EA | 36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover | 160.68 | 27.48 |
| **26 05 36 00-2339** | | **90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2266)* | | |
| 26 05 36 00-2340 | EA | 6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover | 77.64 | 10.08 |
| 26 05 36 00-2341 | EA | 9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover | 94.38 | 11.59 |
| 26 05 36 00-2342 | EA | 12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover | 110.67 | 14.37 |
| 26 05 36 00-2343 | EA | 18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover | 132.05 | 16.01 |
| 26 05 36 00-2344 | EA | 24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover | 161.43 | 22.32 |
| 26 05 36 00-2345 | EA | 30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover | 200.83 | 26.35 |
| 26 05 36 00-2346 | EA | 36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover | 219.02 | 30.25 |
| **26 05 36 00-2347** | | **12" Radius Horizontal Tees** *(26 05 36 00-2266)* | | |
| 26 05 36 00-2348 | EA | 6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover | 96.91 | 13.11 |
| 26 05 36 00-2349 | EA | 9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover | 104.86 | 15.13 |
| 26 05 36 00-2350 | EA | 12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover | 118.58 | 17.78 |
| 26 05 36 00-2351 | EA | 18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover | 139.12 | 20.17 |
| 26 05 36 00-2352 | EA | 24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover | 172.36 | 23.32 |
| 26 05 36 00-2353 | EA | 30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover | 212.89 | 33.53 |
| 26 05 36 00-2354 | EA | 36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover | 256.84 | 40.22 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 36 00-2355** | | **24" Radius Horizontal Tees** *(26 05 36 00-2266)* | | |
| 26 05 36 00-2356 | EA | 6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover | 144.75 | 13.74 |
| 26 05 36 00-2357 | EA | 9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover | 162.50 | 16.01 |
| 26 05 36 00-2358 | EA | 12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover | 183.76 | 18.91 |
| 26 05 36 00-2359 | EA | 18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover | 214.10 | 21.69 |
| 26 05 36 00-2360 | EA | 24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover | 325.38 | 25.21 |
| 26 05 36 00-2361 | EA | 30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover | 377.00 | 37.82 |
| 26 05 36 00-2362 | EA | 36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover | 426.59 | 46.52 |
| **26 05 36 00-2363** | | **36" Radius Horizontal Tees** *(26 05 36 00-2266)* | | |
| 26 05 36 00-2364 | EA | 6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover | 246.51 | 14.37 |
| 26 05 36 00-2365 | EA | 9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover | 255.23 | 16.77 |
| 26 05 36 00-2366 | EA | 12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover | 284.33 | 20.17 |
| 26 05 36 00-2367 | EA | 18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover | 322.35 | 23.32 |
| 26 05 36 00-2368 | EA | 24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover | 406.66 | 27.48 |
| 26 05 36 00-2369 | EA | 30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover | 477.50 | 43.37 |
| 26 05 36 00-2370 | EA | 36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover | 548.22 | 54.84 |
| **26 05 36 00-2371** | | **12" Radius Horizontal Crosses** *(26 05 36 00-2266)* | | |
| 26 05 36 00-2372 | EA | 6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover | 144.41 | 17.78 |
| 26 05 36 00-2373 | EA | 9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover | 153.34 | 18.91 |
| 26 05 36 00-2374 | EA | 12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover | 169.58 | 20.17 |
| 26 05 36 00-2375 | EA | 18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover | 202.82 | 23.32 |
| 26 05 36 00-2376 | EA | 24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover | 245.64 | 33.53 |
| 26 05 36 00-2377 | EA | 30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover | 291.91 | 40.22 |
| 26 05 36 00-2378 | EA | 36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover | 332.03 | 43.24 |
| **26 05 36 00-2379** | | **24" Radius Horizontal Crosses** *(26 05 36 00-2266)* | | |
| 26 05 36 00-2380 | EA | 6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover | 256.46 | 18.91 |
| 26 05 36 00-2381 | EA | 9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover | 274.96 | 20.17 |
| 26 05 36 00-2382 | EA | 12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover | 296.10 | 21.69 |
| 26 05 36 00-2383 | EA | 18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover | 344.13 | 25.21 |
| 26 05 36 00-2384 | EA | 24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover | 423.80 | 37.82 |
| 26 05 36 00-2385 | EA | 30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover | 499.11 | 46.52 |
| 26 05 36 00-2386 | EA | 36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover | 540.69 | 50.30 |
| **26 05 36 00-2387** | | **36" Radius Horizontal Crosses** *(26 05 36 00-2266)* | | |
| 26 05 36 00-2388 | EA | 6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover | 394.43 | 20.17 |
| 26 05 36 00-2389 | EA | 9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover | 413.23 | 21.69 |
| 26 05 36 00-2390 | EA | 12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover | 444.17 | 23.32 |
| 26 05 36 00-2391 | EA | 18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover | 491.00 | 27.48 |
| 26 05 36 00-2392 | EA | 24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover | 622.70 | 43.24 |
| 26 05 36 00-2393 | EA | 30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover | 724.33 | 55.09 |
| 26 05 36 00-2394 | EA | 36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover | 791.94 | 60.51 |
| **26 05 36 00-2395** | | **Reducers** *(26 05 36 00-2266)* | | |
| 26 05 36 00-2396 | EA | 9" To 6" Reducer, Aluminum Cable Tray Covers | 73.16 | 9.46 |
| 26 05 36 00-2397 | EA | 12" To 6" Reducer, Aluminum Cable Tray Covers | 78.40 | 11.22 |
| 26 05 36 00-2398 | EA | 12" To 9" Reducer, Aluminum Cable Tray Covers | 78.40 | 11.22 |
| 26 05 36 00-2399 | EA | 18" To 6" Reducer, Aluminum Cable Tray Covers | 88.52 | 13.74 |
| 26 05 36 00-2400 | EA | 18" To 12" Reducer, Aluminum Cable Tray Covers | 88.52 | 13.74 |
| 26 05 36 00-2401 | EA | 24" To 12" Reducer, Aluminum Cable Tray Covers | 97.83 | 15.13 |
| 26 05 36 00-2402 | EA | 24" To 18" Reducer, Aluminum Cable Tray Covers | 107.16 | 15.13 |
| 26 05 36 00-2403 | EA | 30" To 12" Reducer, Aluminum Cable Tray Covers | 113.18 | 17.27 |
| 26 05 36 00-2404 | EA | 30" To 18" Reducer, Aluminum Cable Tray Covers | 116.66 | 17.27 |
| 26 05 36 00-2405 | EA | 30" To 24" Reducer, Aluminum Cable Tray Covers | 119.06 | 17.27 |
| 26 05 36 00-2406 | EA | 36" To 12" Reducer, Aluminum Cable Tray Covers | 125.16 | 18.91 |
| 26 05 36 00-2407 | EA | 36" To 18" Reducer, Aluminum Cable Tray Covers | 127.50 | 18.91 |
| 26 05 36 00-2408 | EA | 36" To 24" Reducer, Aluminum Cable Tray Covers | 128.67 | 18.91 |
| 26 05 36 00-2409 | EA | 36" To 30" Reducer, Aluminum Cable Tray Covers | 129.84 | 18.91 |
| **26 05 36 00-2410** | | **Galvanized Steel Dividers** *(26 05 36 00-2121)* | | |
| **26 05 36 00-2411** | | **Straight Dividers** *(26 05 36 00-2410)* | | |
| 26 05 36 00-2412 | LF | 3" Deep Galvanized Steel Divider Strip, Straight | 11.36 | 3.03 |
| 26 05 36 00-2413 | LF | 4" Deep Galvanized Steel Divider Strip, Straight | 13.37 | 3.28 |
| 26 05 36 00-2414 | LF | 6" Deep Galvanized Steel Divider Strip, Straight | 16.52 | 3.78 |
| **26 05 36 00-2415** | | **3" Deep Vertical Dividers** *(26 05 36 00-2410)* | | |
| 26 05 36 00-2416 | EA | Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray | 67.07 | 21.69 |
| 26 05 36 00-2417 | EA | Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray | 76.26 | 22.44 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2418 | EA | Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray | 80.18 | 23.32 |
| 26 05 36 00-2419 | EA | Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray | 92.03 | 24.20 |
| 26 05 36 00-2420 | EA | Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray | 87.43 | 24.20 |
| 26 05 36 00-2421 | EA | Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray | 94.81 | 25.21 |
| 26 05 36 00-2422 | EA | Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray | 110.49 | 26.35 |
| 26 05 36 00-2423 | EA | Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray | 136.63 | 27.48 |
| 26 05 36 00-2424 | EA | Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable | 109.06 | 27.48 |
| 26 05 36 00-2425 | EA | Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray | 121.54 | 28.87 |
| 26 05 36 00-2426 | EA | Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray | 136.57 | 30.25 |
| 26 05 36 00-2427 | EA | Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray | 172.52 | 31.90 |
| **26 05 36 00-2428** | | **4" Deep Vertical Dividers** *(26 05 36 00-2410)* | | |
| 26 05 36 00-2429 | EA | Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray | 76.83 | 22.44 |
| 26 05 36 00-2430 | EA | Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray | 84.77 | 23.32 |
| 26 05 36 00-2431 | EA | Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray | 92.03 | 24.20 |
| 26 05 36 00-2432 | EA | Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray | 105.15 | 25.21 |
| 26 05 36 00-2433 | EA | Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray | 105.15 | 25.21 |
| 26 05 36 00-2434 | EA | Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray | 123.12 | 26.35 |
| 26 05 36 00-2435 | EA | Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray | 135.48 | 27.48 |
| 26 05 36 00-2436 | EA | Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray | 167.48 | 28.87 |
| 26 05 36 00-2437 | EA | Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray | 117.38 | 26.35 |
| 26 05 36 00-2438 | EA | Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray | 129.74 | 27.48 |
| 26 05 36 00-2439 | EA | Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray | 153.70 | 28.87 |
| 26 05 36 00-2440 | EA | Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray | 194.00 | 30.25 |
| **26 05 36 00-2441** | | **6" Deep Vertical Dividers** *(26 05 36 00-2410)* | | |
| 26 05 36 00-2442 | EA | Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray | 85.05 | 25.21 |
| 26 05 36 00-2443 | EA | Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray | 92.11 | 26.35 |
| 26 05 36 00-2444 | EA | Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray | 101.02 | 27.48 |
| 26 05 36 00-2445 | EA | Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray | 116.94 | 28.87 |
| 26 05 36 00-2446 | EA | Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray | 107.04 | 26.35 |
| 26 05 36 00-2447 | EA | Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray | 125.14 | 27.48 |
| 26 05 36 00-2448 | EA | Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray | 138.77 | 28.87 |
| 26 05 36 00-2449 | EA | Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray | 169.88 | 30.25 |
| 26 05 36 00-2450 | EA | Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray | 119.40 | 27.48 |
| 26 05 36 00-2451 | EA | Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray | 138.77 | 28.87 |
| 26 05 36 00-2452 | EA | Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray | 169.88 | 30.25 |
| 26 05 36 00-2453 | EA | Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray | 206.98 | 31.90 |
| **26 05 36 00-2454** | | **Horizontal Dividers** *(26 05 36 00-2410)* | | |
| 26 05 36 00-2455 | EA | 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray | 74.72 | 18.28 |
| 26 05 36 00-2456 | EA | 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray | 83.05 | 20.17 |
| 26 05 36 00-2457 | EA | 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray | 100.49 | 22.44 |
| **26 05 36 00-2458** | | **Aluminum Dividers** *(26 05 36 00-2121)* | | |
| **26 05 36 00-2459** | | **Straight Dividers** *(26 05 36 00-2458)* | | |
| 26 05 36 00-2460 | LF | 3" Deep Aluminum Divider Strip, Straight | 11.23 | 2.90 |
| 26 05 36 00-2461 | LF | 4" Deep Aluminum Divider Strip, Straight | 13.26 | 3.15 |
| 26 05 36 00-2462 | LF | 6" Deep Aluminum Divider Strip, Straight | 16.35 | 3.53 |
| **26 05 36 00-2463** | | **3" Deep Vertical Dividers** *(26 05 36 00-2458)* | | |
| 26 05 36 00-2464 | EA | Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray | 60.46 | 20.92 |
| 26 05 36 00-2465 | EA | Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray | 66.32 | 21.69 |
| 26 05 36 00-2466 | EA | Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray | 72.74 | 22.44 |
| 26 05 36 00-2467 | EA | Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray | 83.66 | 23.32 |
| 26 05 36 00-2468 | EA | Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray | 81.42 | 23.32 |
| 26 05 36 00-2469 | EA | Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray | 89.66 | 24.20 |
| 26 05 36 00-2470 | EA | Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray | 103.63 | 25.21 |
| 26 05 36 00-2471 | EA | Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray | 127.93 | 26.35 |
| 26 05 36 00-2472 | EA | Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray | 108.88 | 26.35 |
| 26 05 36 00-2473 | EA | Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray | 129.95 | 27.48 |
| 26 05 36 00-2474 | EA | Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray | 156.75 | 28.87 |
| 26 05 36 00-2475 | EA | Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray | 192.78 | 30.25 |
| **26 05 36 00-2476** | | **4" Deep Vertical Dividers** *(26 05 36 00-2458)* | | |
| 26 05 36 00-2477 | EA | Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray | 72.26 | 21.69 |
| 26 05 36 00-2478 | EA | Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray | 79.35 | 22.44 |
| 26 05 36 00-2479 | EA | Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray | 87.03 | 23.32 |
| 26 05 36 00-2480 | EA | Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray | 97.50 | 24.20 |
| 26 05 36 00-2481 | EA | Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray | 96.38 | 24.20 |
| 26 05 36 00-2482 | EA | Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray | 111.47 | 25.21 |
| 26 05 36 00-2483 | EA | Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray | 125.69 | 26.35 |
| 26 05 36 00-2484 | EA | Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray | 157.98 | 27.48 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2485 | EA | Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray | 129.41 | 25.21 |
| 26 05 36 00-2486 | EA | Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray | 155.96 | 26.35 |
| 26 05 36 00-2487 | EA | Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray | 182.63 | 27.48 |
| 26 05 36 00-2488 | EA | Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray | 220.64 | 28.87 |
| **26 05 36 00-2489** | | **6" Deep Vertical Dividers** *(26 05 36 00-2458)* | | |
| 26 05 36 00-2490 | EA | Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray | 80.02 | 24.20 |
| 26 05 36 00-2491 | EA | Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray | 89.06 | 25.21 |
| 26 05 36 00-2492 | EA | Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray | 93.19 | 26.35 |
| 26 05 36 00-2493 | EA | Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray | 104.17 | 27.48 |
| 26 05 36 00-2494 | EA | Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray | 100.26 | 25.21 |
| 26 05 36 00-2495 | EA | Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray | 123.45 | 26.35 |
| 26 05 36 00-2496 | EA | Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray | 133.32 | 27.48 |
| 26 05 36 00-2497 | EA | Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray | 166.84 | 28.87 |
| 26 05 36 00-2498 | EA | Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray | 132.42 | 26.35 |
| 26 05 36 00-2499 | EA | Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray | 164.70 | 27.48 |
| 26 05 36 00-2500 | EA | Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray | 188.14 | 28.87 |
| 26 05 36 00-2501 | EA | Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray | 218.56 | 30.25 |
| **26 05 36 00-2502** | | **Horizontal Dividers** *(26 05 36 00-2458)* | | |
| 26 05 36 00-2503 | EA | 3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray | 69.67 | 17.27 |
| 26 05 36 00-2504 | EA | 4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray | 76.35 | 18.91 |
| 26 05 36 00-2505 | EA | 6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray | 94.20 | 20.92 |
| **26 05 36 00-2506** | | **Cable Tray Wall Brackets** *(26 05 36 00-0001)* | | |
| **26 05 36 00-2507** | | **Wall Brackets** *(26 05 36 00-2506)* | | |
| 26 05 36 00-2508 | EA | 6" Wide Cable Tray Wall Bracket | 92.03 | 25.21 |
| 26 05 36 00-2509 | EA | 9" Wide Cable Tray Wall Bracket | 95.35 | 26.35 |
| 26 05 36 00-2510 | EA | 12" Wide Cable Tray Wall Bracket | 104.52 | 27.48 |
| 26 05 36 00-2511 | EA | 18" Wide Cable Tray Wall Bracket | 110.95 | 28.87 |
| 26 05 36 00-2512 | EA | 24" Wide Cable Tray Wall Bracket | 120.50 | 30.25 |
| 26 05 36 00-2513 | EA | 30" Wide Cable Tray Wall Bracket | 143.15 | 31.90 |
| 26 05 36 00-2514 | EA | 36" Wide Cable Tray Wall Bracket | 171.13 | 34.04 |
| **26 05 36 00-2515** | | **Fiberglass Cable Tray** *(26 05 36 00-0001)* | | |
| **26 05 36 00-2516** | | **Ladder Bottom Fiberglass Cable Tray** *(26 05 36 00-2515)* | | |
| | | Note: Excludes hangers and support system. | | |
| **26 05 36 00-2517** | | **Straight Tray Sections** *(26 05 36 00-2516)* | | |
| 26 05 36 00-2518 | LF | 6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing | 13.84 | 3.41 |
| | | *For 9" Rung Spacing, Add* | *0.31* | |
| | | *For 6" Rung Spacing, Add* | *1.32* | |
| | | *For 4" Rung Spacing, Add* | *2.42* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.22* | |
| | | *For Solid Bottom, Add* | *3.40* | |
| | | *For Vented Trough Bottom, Add* | *4.15* | |
| 26 05 36 00-2519 | LF | 9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing | 15.39 | 4.16 |
| | | *For 9" Rung Spacing, Add* | *0.32* | |
| | | *For 6" Rung Spacing, Add* | *1.36* | |
| | | *For 4" Rung Spacing, Add* | *2.50* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.23* | |
| | | *For Solid Bottom, Add* | *3.67* | |
| | | *For Vented Trough Bottom, Add* | *4.42* | |
| 26 05 36 00-2520 | LF | 12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing | 16.92 | 5.04 |
| | | *For 9" Rung Spacing, Add* | *0.33* | |
| | | *For 6" Rung Spacing, Add* | *1.40* | |
| | | *For 4" Rung Spacing, Add* | *2.57* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.23* | |
| | | *For Solid Bottom, Add* | *3.94* | |
| | | *For Vented Trough Bottom, Add* | *4.69* | |
| 26 05 36 00-2521 | LF | 18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing | 20.13 | 6.68 |
| | | *For 9" Rung Spacing, Add* | *0.35* | |
| | | *For 6" Rung Spacing, Add* | *1.51* | |
| | | *For 4" Rung Spacing, Add* | *2.76* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.25* | |
| | | *For Solid Bottom, Add* | *4.53* | |
| | | *For Vented Trough Bottom, Add* | *5.28* | |
| 26 05 36 00-2522 | LF | 24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing | 23.34 | 8.45 |
| | | *For 9" Rung Spacing, Add* | *0.38* | |
| | | *For 6" Rung Spacing, Add* | *1.61* | |
| | | *For 4" Rung Spacing, Add* | *2.95* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.27* | |
| | | *For Solid Bottom, Add* | *5.11* | |
| | | *For Vented Trough Bottom, Add* | *5.87* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2523 | LF | 30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing | 25.51 | 9.20 |
| | | *For 9" Rung Spacing, Add* | *0.41* | |
| | | *For 6" Rung Spacing, Add* | *1.75* | |
| | | *For 4" Rung Spacing, Add* | *3.20* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.29* | |
| | | *For Solid Bottom, Add* | *5.57* | |
| | | *For Vented Trough Bottom, Add* | *6.39* | |
| 26 05 36 00-2524 | LF | 36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing | 27.72 | 10.08 |
| | | *For 9" Rung Spacing, Add* | *0.44* | |
| | | *For 6" Rung Spacing, Add* | *1.89* | |
| | | *For 4" Rung Spacing, Add* | *3.46* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.31* | |
| | | *For Solid Bottom, Add* | *6.05* | |
| | | *For Vented Trough Bottom, Add* | *6.93* | |

## 26 05 36 00-2525 90 Degree Horizontal Elbows *(26 05 36 00-2516)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2526 | EA | 6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray | 73.43 | 25.21 |
| | | *For 9" Rung Spacing, Add* | *1.25* | |
| | | *For 6" Rung Spacing, Add* | *5.34* | |
| | | *For 4" Rung Spacing, Add* | *9.79* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.89* | |
| | | *For Solid Bottom, Add* | *16.36* | |
| | | *For Vented Trough Bottom, Add* | *18.97* | |
| | | *For 60 Degree Bend, Deduct* | *-15.53* | |
| | | *For 45 Degree Bend, Deduct* | *-21.34* | |
| | | *For 30 Degree Bend, Deduct* | *-27.15* | |
| 26 05 36 00-2527 | EA | 9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray | 81.78 | 29.37 |
| | | *For 9" Rung Spacing, Add* | *1.32* | |
| | | *For 6" Rung Spacing, Add* | *5.65* | |
| | | *For 4" Rung Spacing, Add* | *10.36* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.94* | |
| | | *For Solid Bottom, Add* | *17.92* | |
| | | *For Vented Trough Bottom, Add* | *20.58* | |
| | | *For 60 Degree Bend, Deduct* | *-16.84* | |
| | | *For 45 Degree Bend, Deduct* | *-23.19* | |
| | | *For 30 Degree Bend, Deduct* | *-29.54* | |
| 26 05 36 00-2528 | EA | 12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray | 95.17 | 36.94 |
| | | *For 9" Rung Spacing, Add* | *1.39* | |
| | | *For 6" Rung Spacing, Add* | *5.96* | |
| | | *For 4" Rung Spacing, Add* | *10.92* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.99* | |
| | | *For Solid Bottom, Add* | *20.23* | |
| | | *For Vented Trough Bottom, Add* | *22.81* | |
| | | *For 60 Degree Bend, Deduct* | *-18.65* | |
| | | *For 45 Degree Bend, Deduct* | *-25.79* | |
| | | *For 30 Degree Bend, Deduct* | *-32.93* | |
| 26 05 36 00-2529 | EA | 18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray | 112.41 | 44.62 |
| | | *For 9" Rung Spacing, Add* | *1.60* | |
| | | *For 6" Rung Spacing, Add* | *6.84* | |
| | | *For 4" Rung Spacing, Add* | *12.54* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.14* | |
| | | *For Solid Bottom, Add* | *23.70* | |
| | | *For Vented Trough Bottom, Add* | *26.59* | |
| | | *For 60 Degree Bend, Deduct* | *-21.73* | |
| | | *For 45 Degree Bend, Deduct* | *-30.09* | |
| | | *For 30 Degree Bend, Deduct* | *-38.44* | |
| 26 05 36 00-2530 | EA | 24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray | 127.03 | 51.31 |
| | | *For 9" Rung Spacing, Add* | *1.75* | |
| | | *For 6" Rung Spacing, Add* | *7.52* | |
| | | *For 4" Rung Spacing, Add* | *13.79* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.25* | |
| | | *For Solid Bottom, Add* | *26.57* | |
| | | *For Vented Trough Bottom, Add* | *29.66* | |
| | | *For 60 Degree Bend, Deduct* | *-24.23* | |
| | | *For 45 Degree Bend, Deduct* | *-33.59* | |
| | | *For 30 Degree Bend, Deduct* | *-42.95* | |
| 26 05 36 00-2531 | EA | 30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray | 139.56 | 54.72 |
| | | *For 9" Rung Spacing, Add* | *2.02* | |
| | | *For 6" Rung Spacing, Add* | *8.64* | |
| | | *For 4" Rung Spacing, Add* | *15.85* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.44* | |
| | | *For Solid Bottom, Add* | *29.58* | |
| | | *For Vented Trough Bottom, Add* | *33.29* | |
| | | *For 60 Degree Bend, Deduct* | *-27.21* | |
| | | *For 45 Degree Bend, Deduct* | *-37.64* | |
| | | *For 30 Degree Bend, Deduct* | *-48.08* | |
| 26 05 36 00-2532 | EA | 36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray | 154.43 | 58.88 |
| | | *For 9" Rung Spacing, Add* | *2.32* | |
| | | *For 6" Rung Spacing, Add* | *9.93* | |
| | | *For 4" Rung Spacing, Add* | *18.20* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.65* | |
| | | *For Solid Bottom, Add* | *33.09* | |
| | | *For Vented Trough Bottom, Add* | *37.50* | |
| | | *For 60 Degree Bend, Deduct* | *-30.66* | |
| | | *For 45 Degree Bend, Deduct* | *-42.36* | |
| | | *For 30 Degree Bend, Deduct* | *-54.05* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2533 | | **Inside Or Outside Vertical Risers** *(26 05 36 00-2516)* | | |
| 26 05 36 00-2534 | EA | 6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray | 110.64 | 25.21 |
| | | *For 9" Rung Spacing, Add* | *2.55* | |
| | | *For 6" Rung Spacing, Add* | *10.92* | |
| | | *For 4" Rung Spacing, Add* | *20.03* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.82* | |
| | | *For Solid Bottom, Add* | *27.52* | |
| | | *For Vented Trough Bottom, Add* | *33.86* | |
| | | *For 60 Degree Bend, Deduct* | *-27.81* | |
| | | *For 45 Degree Bend, Deduct* | *-37.71* | |
| | | *For 30 Degree Bend, Deduct* | *-47.62* | |
| 26 05 36 00-2535 | EA | 9" Vertical Inside Or Outside Riser 90, Fiberglass | 117.97 | 29.37 |
| | | *For 9" Rung Spacing, Add* | *2.58* | |
| | | *For 6" Rung Spacing, Add* | *11.08* | |
| | | *For 4" Rung Spacing, Add* | *20.31* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.85* | |
| | | *For Solid Bottom, Add* | *28.77* | |
| | | *For Vented Trough Bottom, Add* | *35.06* | |
| | | *For 60 Degree Bend, Deduct* | *-28.78* | |
| | | *For 45 Degree Bend, Deduct* | *-39.11* | |
| | | *For 30 Degree Bend, Deduct* | *-49.44* | |
| 26 05 36 00-2536 | EA | 12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray | 130.33 | 36.94 |
| | | *For 9" Rung Spacing, Add* | *2.62* | |
| | | *For 6" Rung Spacing, Add* | *11.23* | |
| | | *For 4" Rung Spacing, Add* | *20.59* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.87* | |
| | | *For Solid Bottom, Add* | *30.78* | |
| | | *For Vented Trough Bottom, Add* | *36.88* | |
| | | *For 60 Degree Bend, Deduct* | *-30.25* | |
| | | *For 45 Degree Bend, Deduct* | *-41.26* | |
| | | *For 30 Degree Bend, Deduct* | *-52.27* | |
| 26 05 36 00-2537 | EA | 18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray | 143.94 | 44.62 |
| | | *For 9" Rung Spacing, Add* | *2.70* | |
| | | *For 6" Rung Spacing, Add* | *11.57* | |
| | | *For 4" Rung Spacing, Add* | *21.21* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.93* | |
| | | *For Solid Bottom, Add* | *33.16* | |
| | | *For Vented Trough Bottom, Add* | *39.20* | |
| | | *For 60 Degree Bend, Deduct* | *-32.13* | |
| | | *For 45 Degree Bend, Deduct* | *-43.96* | |
| | | *For 30 Degree Bend, Deduct* | *-55.78* | |
| 26 05 36 00-2538 | EA | 24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray | 156.07 | 51.31 |
| | | *For 9" Rung Spacing, Add* | *2.77* | |
| | | *For 6" Rung Spacing, Add* | *11.88* | |
| | | *For 4" Rung Spacing, Add* | *21.77* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.98* | |
| | | *For Solid Bottom, Add* | *35.29* | |
| | | *For Vented Trough Bottom, Add* | *41.28* | |
| | | *For 60 Degree Bend, Deduct* | *-33.82* | |
| | | *For 45 Degree Bend, Deduct* | *-46.37* | |
| | | *For 30 Degree Bend, Deduct* | *-58.92* | |
| 26 05 36 00-2539 | EA | 30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray | 163.15 | 54.72 |
| | | *For 9" Rung Spacing, Add* | *2.84* | |
| | | *For 6" Rung Spacing, Add* | *12.18* | |
| | | *For 4" Rung Spacing, Add* | *22.33* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.03* | |
| | | *For Solid Bottom, Add* | *36.65* | |
| | | *For Vented Trough Bottom, Add* | *42.73* | |
| | | *For 60 Degree Bend, Deduct* | *-34.99* | |
| | | *For 45 Degree Bend, Deduct* | *-48.02* | |
| | | *For 30 Degree Bend, Deduct* | *-61.05* | |
| 26 05 36 00-2540 | EA | 36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray | 177.96 | 58.88 |
| | | *For 9" Rung Spacing, Add* | *3.14* | |
| | | *For 6" Rung Spacing, Add* | *13.46* | |
| | | *For 4" Rung Spacing, Add* | *24.67* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.24* | |
| | | *For Solid Bottom, Add* | *40.15* | |
| | | *For Vented Trough Bottom, Add* | *46.92* | |
| | | *For 60 Degree Bend, Deduct* | *-38.43* | |
| | | *For 45 Degree Bend, Deduct* | *-52.71* | |
| | | *For 30 Degree Bend, Deduct* | *-66.99* | |
| 26 05 36 00-2541 | | **Horizontal Tees** *(26 05 36 00-2516)* | | |
| 26 05 36 00-2542 | EA | 6" Horizontal Tee, Fiberglass Cable Tray | 157.39 | 63.03 |
| | | *For 9" Rung Spacing, Add* | *2.20* | |
| | | *For 6" Rung Spacing, Add* | *9.43* | |
| | | *For 4" Rung Spacing, Add* | *17.28* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.57* | |
| | | *For Solid Bottom, Add* | *33.03* | |
| | | *For Vented Trough Bottom, Add* | *36.95* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2543 | EA | 9" Horizontal Tee, Fiberglass Cable Tray | 176.27 | 74.00 |
| | | *For 9" Rung Spacing, Add* | *2.29* | |
| | | *For 6" Rung Spacing, Add* | *9.80* | |
| | | *For 4" Rung Spacing, Add* | *17.96* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.63* | |
| | | *For Solid Bottom, Add* | *36.24* | |
| | | *For Vented Trough Bottom, Add* | *40.00* | |
| 26 05 36 00-2544 | EA | 12" Horizontal Tee, Fiberglass Cable Tray | 200.20 | 88.25 |
| | | *For 9" Rung Spacing, Add* | *2.37* | |
| | | *For 6" Rung Spacing, Add* | *10.17* | |
| | | *For 4" Rung Spacing, Add* | *18.65* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.70* | |
| | | *For Solid Bottom, Add* | *40.20* | |
| | | *For Vented Trough Bottom, Add* | *43.68* | |
| 26 05 36 00-2545 | EA | 18" Horizontal Tee, Fiberglass Cable Tray | 223.39 | 99.21 |
| | | *For 9" Rung Spacing, Add* | *2.61* | |
| | | *For 6" Rung Spacing, Add* | *11.19* | |
| | | *For 4" Rung Spacing, Add* | *20.52* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.87* | |
| | | *For Solid Bottom, Add* | *44.70* | |
| | | *For Vented Trough Bottom, Add* | *48.45* | |
| 26 05 36 00-2546 | EA | 24" Horizontal Tee, Fiberglass Cable Tray | 235.15 | 103.38 |
| | | *For 9" Rung Spacing, Add* | *2.80* | |
| | | *For 6" Rung Spacing, Add* | *12.01* | |
| | | *For 4" Rung Spacing, Add* | *22.02* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.00* | |
| | | *For Solid Bottom, Add* | *47.28* | |
| | | *For Vented Trough Bottom, Add* | *51.42* | |
| 26 05 36 00-2547 | EA | 30" Horizontal Tee, Fiberglass Cable Tray | 252.36 | 109.30 |
| | | *For 9" Rung Spacing, Add* | *3.10* | |
| | | *For 6" Rung Spacing, Add* | *13.27* | |
| | | *For 4" Rung Spacing, Add* | *24.33* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.21* | |
| | | *For Solid Bottom, Add* | *51.12* | |
| | | *For Vented Trough Bottom, Add* | *55.87* | |
| 26 05 36 00-2548 | EA | 36" Horizontal Tee, Fiberglass Cable Tray | 274.24 | 117.75 |
| | | *For 9" Rung Spacing, Add* | *3.42* | |
| | | *For 6" Rung Spacing, Add* | *14.66* | |
| | | *For 4" Rung Spacing, Add* | *26.88* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.44* | |
| | | *For Solid Bottom, Add* | *55.80* | |
| | | *For Vented Trough Bottom, Add* | *61.16* | |

## 26 05 36 00-2549 Horizontal Crosses *(26 05 36 00-2516)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2550 | EA | 6" Horizontal Cross, Fiberglass Cable Tray | 244.42 | 109.30 |
| | | *For 9" Rung Spacing, Add* | *2.82* | |
| | | *For 6" Rung Spacing, Add* | *12.08* | |
| | | *For 4" Rung Spacing, Add* | *22.15* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.01* | |
| | | *For Solid Bottom, Add* | *48.74* | |
| | | *For Vented Trough Bottom, Add* | *52.70* | |
| 26 05 36 00-2551 | EA | 9" Horizontal Cross, Fiberglass Cable Tray | 259.41 | 117.75 |
| | | *For 9" Rung Spacing, Add* | *2.90* | |
| | | *For 6" Rung Spacing, Add* | *12.44* | |
| | | *For 4" Rung Spacing, Add* | *22.80* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.07* | |
| | | *For Solid Bottom, Add* | *51.35* | |
| | | *For Vented Trough Bottom, Add* | *55.23* | |
| 26 05 36 00-2552 | EA | 12" Horizontal Cross, Fiberglass Cable Tray | 274.40 | 126.20 |
| | | *For 9" Rung Spacing, Add* | *2.99* | |
| | | *For 6" Rung Spacing, Add* | *12.79* | |
| | | *For 4" Rung Spacing, Add* | *23.45* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.13* | |
| | | *For Solid Bottom, Add* | *53.95* | |
| | | *For Vented Trough Bottom, Add* | *57.75* | |
| 26 05 36 00-2553 | EA | 18" Horizontal Cross, Fiberglass Cable Tray | 293.81 | 134.52 |
| | | *For 9" Rung Spacing, Add* | *3.22* | |
| | | *For 6" Rung Spacing, Add* | *13.82* | |
| | | *For 4" Rung Spacing, Add* | *25.33* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.30* | |
| | | *For Solid Bottom, Add* | *57.89* | |
| | | *For Vented Trough Bottom, Add* | *62.05* | |
| 26 05 36 00-2554 | EA | 24" Horizontal Cross, Fiberglass Cable Tray | 311.64 | 142.96 |
| | | *For 9" Rung Spacing, Add* | *3.41* | |
| | | *For 6" Rung Spacing, Add* | *14.60* | |
| | | *For 4" Rung Spacing, Add* | *26.76* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.43* | |
| | | *For Solid Bottom, Add* | *61.34* | |
| | | *For Vented Trough Bottom, Add* | *65.72* | |
| 26 05 36 00-2555 | EA | 30" Horizontal Cross, Fiberglass Cable Tray | 332.86 | 151.41 |
| | | *For 9" Rung Spacing, Add* | *3.71* | |
| | | *For 6" Rung Spacing, Add* | *15.89* | |
| | | *For 4" Rung Spacing, Add* | *29.13* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.65* | |
| | | *For Solid Bottom, Add* | *65.82* | |
| | | *For Vented Trough Bottom, Add* | *70.74* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2556 | EA | 36" Horizontal Cross, Fiberglass Cable Tray | 360.35 | 162.24 |
| | | *For 9" Rung Spacing, Add* | *4.10* | |
| | | *For 6" Rung Spacing, Add* | *17.55* | |
| | | *For 4" Rung Spacing, Add* | *32.18* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.93* | |
| | | *For Solid Bottom, Add* | *71.61* | |
| | | *For Vented Trough Bottom, Add* | *77.23* | |

## 26 05 36 00-2557 Horizontal Wyes *(26 05 36 00-2516)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2558 | EA | 6" Horizontal Wye, Fiberglass Cable Tray | 151.03 | 63.03 |
| | | *For 9" Rung Spacing, Add* | *1.98* | |
| | | *For 6" Rung Spacing, Add* | *8.47* | |
| | | *For 4" Rung Spacing, Add* | *15.53* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.41* | |
| | | *For Solid Bottom, Add* | *31.13* | |
| | | *For Vented Trough Bottom, Add* | *34.41* | |
| 26 05 36 00-2559 | EA | 9" Horizontal Wye, Fiberglass Cable Tray | 159.63 | 67.32 |
| | | *For 9" Rung Spacing, Add* | *2.06* | |
| | | *For 6" Rung Spacing, Add* | *8.82* | |
| | | *For 4" Rung Spacing, Add* | *16.16* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.47* | |
| | | *For Solid Bottom, Add* | *32.76* | |
| | | *For Vented Trough Bottom, Add* | *36.12* | |
| 26 05 36 00-2560 | EA | 12" Horizontal Wye, Fiberglass Cable Tray | 193.39 | 88.25 |
| | | *For 9" Rung Spacing, Add* | *2.14* | |
| | | *For 6" Rung Spacing, Add* | *9.15* | |
| | | *For 4" Rung Spacing, Add* | *16.78* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.53* | |
| | | *For Solid Bottom, Add* | *38.16* | |
| | | *For Vented Trough Bottom, Add* | *40.95* | |
| 26 05 36 00-2561 | EA | 18" Horizontal Wye, Fiberglass Cable Tray | 215.92 | 99.21 |
| | | *For 9" Rung Spacing, Add* | *2.35* | |
| | | *For 6" Rung Spacing, Add* | *10.07* | |
| | | *For 4" Rung Spacing, Add* | *18.47* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.68* | |
| | | *For Solid Bottom, Add* | *42.46* | |
| | | *For Vented Trough Bottom, Add* | *45.46* | |
| 26 05 36 00-2562 | EA | 24" Horizontal Wye, Fiberglass Cable Tray | 226.98 | 103.38 |
| | | *For 9" Rung Spacing, Add* | *2.52* | |
| | | *For 6" Rung Spacing, Add* | *10.79* | |
| | | *For 4" Rung Spacing, Add* | *19.78* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.80* | |
| | | *For Solid Bottom, Add* | *44.83* | |
| | | *For Vented Trough Bottom, Add* | *48.15* | |
| 26 05 36 00-2563 | EA | 30" Horizontal Wye, Fiberglass Cable Tray | 243.51 | 109.30 |
| | | *For 9" Rung Spacing, Add* | *2.79* | |
| | | *For 6" Rung Spacing, Add* | *11.94* | |
| | | *For 4" Rung Spacing, Add* | *21.90* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.99* | |
| | | *For Solid Bottom, Add* | *48.47* | |
| | | *For Vented Trough Bottom, Add* | *52.33* | |
| 26 05 36 00-2564 | EA | 36" Horizontal Wye, Fiberglass Cable Tray | 264.47 | 117.75 |
| | | *For 9" Rung Spacing, Add* | *3.08* | |
| | | *For 6" Rung Spacing, Add* | *13.20* | |
| | | *For 4" Rung Spacing, Add* | *24.19* | |
| | | *For 18" Rung Spacing, Deduct* | *-2.20* | |
| | | *For Solid Bottom, Add* | *52.87* | |
| | | *For Vented Trough Bottom, Add* | *57.25* | |

## 26 05 36 00-2565 Straight Reducers *(26 05 36 00-2516)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2566 | EA | 9" To 6" Reducer, Fiberglass Cable Tray | 69.81 | 25.21 |
| | | *For 9" Rung Spacing, Add* | *1.12* | |
| | | *For 6" Rung Spacing, Add* | *4.80* | |
| | | *For 4" Rung Spacing, Add* | *8.80* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.80* | |
| | | *For Solid Bottom, Add* | *15.27* | |
| | | *For Vented Trough Bottom, Add* | *17.52* | |
| 26 05 36 00-2567 | EA | 12" To 9" Reducer, Fiberglass Cable Tray | 76.57 | 29.37 |
| | | *For 9" Rung Spacing, Add* | *1.14* | |
| | | *For 6" Rung Spacing, Add* | *4.87* | |
| | | *For 4" Rung Spacing, Add* | *8.92* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.81* | |
| | | *For Solid Bottom, Add* | *16.35* | |
| | | *For Vented Trough Bottom, Add* | *18.50* | |
| 26 05 36 00-2568 | EA | 18" To 12" Reducer, Fiberglass Cable Tray | 83.32 | 33.66 |
| | | *For 9" Rung Spacing, Add* | *1.15* | |
| | | *For 6" Rung Spacing, Add* | *4.93* | |
| | | *For 4" Rung Spacing, Add* | *9.04* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.82* | |
| | | *For Solid Bottom, Add* | *17.43* | |
| | | *For Vented Trough Bottom, Add* | *19.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2569 | EA | 24" To 18" Reducer, Fiberglass Cable Tray | 89.50 | 36.94 |
| | | *For 9" Rung Spacing, Add* | *1.19* | |
| | | *For 6" Rung Spacing, Add* | *5.10* | |
| | | *For 4" Rung Spacing, Add* | *9.36* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.85* | |
| | | *For Solid Bottom, Add* | *18.53* | |
| | | *For Vented Trough Bottom, Add* | *20.55* | |
| 26 05 36 00-2570 | EA | 30" To 24" Reducer, Fiberglass Cable Tray | 100.21 | 40.35 |
| | | *For 9" Rung Spacing, Add* | *1.39* | |
| | | *For 6" Rung Spacing, Add* | *5.96* | |
| | | *For 4" Rung Spacing, Add* | *10.92* | |
| | | *For 18" Rung Spacing, Deduct* | *-0.99* | |
| | | *For Solid Bottom, Add* | *20.99* | |
| | | *For Vented Trough Bottom, Add* | *23.44* | |
| 26 05 36 00-2571 | EA | 36" To 30" Reducer, Fiberglass Cable Tray | 112.92 | 44.62 |
| | | *For 9" Rung Spacing, Add* | *1.61* | |
| | | *For 6" Rung Spacing, Add* | *6.92* | |
| | | *For 4" Rung Spacing, Add* | *12.68* | |
| | | *For 18" Rung Spacing, Deduct* | *-1.15* | |
| | | *For Solid Bottom, Add* | *23.85* | |
| | | *For Vented Trough Bottom, Add* | *26.80* | |

## 26 05 36 00-2572 Vertical Tees *(26 05 36 00-2516)*

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2573 | EA | 6" Vertical Tee, Fiberglass Cable Tray | 214.55 | 63.03 |
| | | *For 9" Rung Spacing, Add* | *4.20* | |
| | | *For 6" Rung Spacing, Add* | *18.00* | |
| | | *For 4" Rung Spacing, Add* | *33.00* | |
| | | *For 18" Rung Spacing, Deduct* | *-3.00* | |
| | | *For Solid Bottom, Add* | *50.18* | |
| | | *For Vented Trough Bottom, Add* | *59.82* | |
| 26 05 36 00-2574 | EA | 9" Vertical Tee, Fiberglass Cable Tray | 222.33 | 67.32 |
| | | *For 9" Rung Spacing, Add* | *4.25* | |
| | | *For 6" Rung Spacing, Add* | *18.22* | |
| | | *For 4" Rung Spacing, Add* | *33.41* | |
| | | *For 18" Rung Spacing, Deduct* | *-3.04* | |
| | | *For Solid Bottom, Add* | *51.57* | |
| | | *For Vented Trough Bottom, Add* | *61.20* | |
| 26 05 36 00-2575 | EA | 12" Vertical Tee, Fiberglass Cable Tray | 255.32 | 88.25 |
| | | *For 9" Rung Spacing, Add* | *4.30* | |
| | | *For 6" Rung Spacing, Add* | *18.44* | |
| | | *For 4" Rung Spacing, Add* | *33.81* | |
| | | *For 18" Rung Spacing, Deduct* | *-3.07* | |
| | | *For Solid Bottom, Add* | *56.74* | |
| | | *For Vented Trough Bottom, Add* | *65.73* | |
| 26 05 36 00-2576 | EA | 18" Vertical Tee, Fiberglass Cable Tray | 275.12 | 99.21 |
| | | *For 9" Rung Spacing, Add* | *4.42* | |
| | | *For 6" Rung Spacing, Add* | *18.95* | |
| | | *For 4" Rung Spacing, Add* | *34.75* | |
| | | *For 18" Rung Spacing, Deduct* | *-3.16* | |
| | | *For Solid Bottom, Add* | *60.22* | |
| | | *For Vented Trough Bottom, Add* | *69.14* | |
| 26 05 36 00-2577 | EA | 24" Vertical Tee, Fiberglass Cable Tray | 284.60 | 103.38 |
| | | *For 9" Rung Spacing, Add* | *4.53* | |
| | | *For 6" Rung Spacing, Add* | *19.43* | |
| | | *For 4" Rung Spacing, Add* | *35.62* | |
| | | *For 18" Rung Spacing, Deduct* | *-3.24* | |
| | | *For Solid Bottom, Add* | *62.12* | |
| | | *For Vented Trough Bottom, Add* | *71.20* | |
| 26 05 36 00-2578 | EA | 30" Vertical Tee, Fiberglass Cable Tray | 296.37 | 109.30 |
| | | *For 9" Rung Spacing, Add* | *4.64* | |
| | | *For 6" Rung Spacing, Add* | *19.87* | |
| | | *For 4" Rung Spacing, Add* | *36.43* | |
| | | *For 18" Rung Spacing, Deduct* | *-3.31* | |
| | | *For Solid Bottom, Add* | *64.33* | |
| | | *For Vented Trough Bottom, Add* | *73.48* | |
| 26 05 36 00-2579 | EA | 36" Vertical Tee, Fiberglass Cable Tray | 322.86 | 117.75 |
| | | *For 9" Rung Spacing, Add* | *5.12* | |
| | | *For 6" Rung Spacing, Add* | *21.95* | |
| | | *For 4" Rung Spacing, Add* | *40.25* | |
| | | *For 18" Rung Spacing, Deduct* | *-3.66* | |
| | | *For Solid Bottom, Add* | *70.38* | |
| | | *For Vented Trough Bottom, Add* | *80.61* | |

## 26 05 36 00-2580 Flextray™ Cable Tray *(26 05 36 00-0001)*

## 26 05 36 00-2581 Flextray™ Cable Tray Straight Sections *(26 05 36 00-2580)*

Note: Includes splicing and splice bars.

| | | | | |
|---|---|---|---|---|
| 26 05 36 00-2582 | LF | 2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 24.26 | 7.95 |
| 26 05 36 00-2583 | LF | 2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 30.28 | 8.47 |
| 26 05 36 00-2584 | LF | 2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 31.81 | 8.85 |
| 26 05 36 00-2585 | LF | 2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 33.43 | 9.30 |
| 26 05 36 00-2586 | LF | 2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 35.78 | 9.76 |
| 26 05 36 00-2587 | LF | 2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 38.40 | 10.21 |
| 26 05 36 00-2588 | LF | 2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 39.31 | 10.66 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 36 00-2589 | LF | 2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 40.79 | 10.96 |
| 26 05 36 00-2590 | LF | 2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 41.67 | 11.27 |
| 26 05 36 00-2591 | LF | 4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 31.66 | 9.33 |
| 26 05 36 00-2592 | LF | 4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 34.41 | 9.71 |
| 26 05 36 00-2593 | LF | 4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 37.28 | 10.21 |
| 26 05 36 00-2594 | LF | 4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 39.56 | 10.71 |
| 26 05 36 00-2595 | LF | 4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 42.07 | 11.22 |
| 26 05 36 00-2596 | LF | 4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 45.40 | 11.72 |
| 26 05 36 00-2597 | LF | 4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 48.01 | 12.11 |
| 26 05 36 00-2598 | LF | 4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 49.93 | 12.36 |
| 26 05 36 00-2599 | LF | 4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 63.19 | 13.24 |
| 26 05 36 00-2600 | LF | 6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 41.38 | 11.22 |
| 26 05 36 00-2601 | LF | 6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 46.90 | 11.72 |
| 26 05 36 00-2602 | LF | 6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 49.07 | 12.23 |
| 26 05 36 00-2603 | LF | 6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 52.85 | 12.86 |
| 26 05 36 00-2604 | LF | 6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 54.55 | 13.11 |
| 26 05 36 00-2605 | LF | 6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish | 66.43 | 13.49 |
| 26 05 36 00-2606 | | **Flextray™ Cable Tray Bends** *(26 05 36 00-2580)* | | |
| | | Note: Includes field fabricated bend and 90 degree kit. | | |
| 26 05 36 00-2607 | EA | 2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 18.23 | 5.92 |
| 26 05 36 00-2608 | EA | 2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 22.72 | 6.30 |
| 26 05 36 00-2609 | EA | 2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 31.81 | 8.83 |
| 26 05 36 00-2610 | EA | 2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 50.21 | 13.99 |
| 26 05 36 00-2611 | EA | 2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 71.58 | 19.54 |
| 26 05 36 00-2612 | EA | 2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 96.05 | 25.59 |
| 26 05 36 00-2613 | EA | 2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 110.38 | 32.02 |
| 26 05 36 00-2614 | EA | 2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 131.59 | 38.45 |
| 26 05 36 00-2615 | EA | 2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 166.73 | 45.14 |
| 26 05 36 00-2616 | EA | 4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 23.69 | 6.93 |
| 26 05 36 00-2617 | EA | 4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 34.45 | 9.71 |
| 26 05 36 00-2618 | EA | 4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 55.91 | 15.38 |
| 26 05 36 00-2619 | EA | 4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 79.15 | 21.44 |
| 26 05 36 00-2620 | EA | 4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 105.14 | 28.11 |
| 26 05 36 00-2621 | EA | 4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 127.14 | 35.17 |
| 26 05 36 00-2622 | EA | 4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 154.05 | 42.23 |
| 26 05 36 00-2623 | EA | 4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 199.76 | 49.55 |
| 26 05 36 00-2624 | EA | 4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 316.04 | 66.18 |
| 26 05 36 00-2625 | EA | 6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 62.01 | 16.77 |
| 26 05 36 00-2626 | EA | 6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 93.85 | 23.45 |
| 26 05 36 00-2627 | EA | 6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 122.69 | 30.64 |
| 26 05 36 00-2628 | EA | 6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 147.54 | 38.45 |
| 26 05 36 00-2629 | EA | 6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 174.59 | 46.02 |
| 26 05 36 00-2630 | EA | 6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish<br>Note: Field Fabricated | 265.71 | 54.08 |
| 26 05 36 00-2631 | | **Flextray™ Cable Tray Brackets** *(26 05 36 00-2580)* | | |
| 26 05 36 00-2632 | EA | 6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ | 45.67 | 16.65 |
| 26 05 36 00-2633 | EA | 8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ | 48.63 | 16.65 |
| 26 05 36 00-2634 | EA | 12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ | 53.68 | 16.65 |
| 26 05 36 00-2635 | EA | 16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ | 65.38 | 18.16 |
| 26 05 36 00-2636 | EA | 18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ | 69.79 | 18.16 |
| 26 05 36 00-2637 | EA | 20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ | 71.27 | 18.16 |
| 26 05 36 00-2638 | EA | 24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™ | 72.58 | 18.16 |

## 26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 39 00-0001 | | **Underfloor Ducts** *(26 05 39)* | | |
| 26 05 39 00-0002 | | **Straight Duct Sections 10' Long, 14 Gauge Steel** *(26 05 39 00-0001)* | | |
| 26 05 39 00-0003 | | **Standard Ducts, 3.8 Square Inches** *(26 05 39 00-0002)* | | |
| 26 05 39 00-0004 | EA | Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches | 113.68 | 22.19 |
| 26 05 39 00-0005 | EA | Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches | 143.54 | 25.97 |
| 26 05 39 00-0006 | | **Large Capacity Ducts, 8.9 Square Inches** *(26 05 39 00-0002)* | | |
| 26 05 39 00-0007 | EA | Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches | 191.26 | 28.11 |
| 26 05 39 00-0008 | EA | Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches | 219.30 | 31.14 |
| 26 05 39 00-0009 | | **Junction Boxes** *(26 05 39 00-0001)* | | |
| 26 05 39 00-0010 | | **One Level Junction Boxes** *(26 05 39 00-0009)* | | |
| 26 05 39 00-0011 | EA | 1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box | 291.27 | 44.12 |
| 26 05 39 00-0012 | EA | 1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box | 330.33 | 47.27 |
| 26 05 39 00-0013 | EA | 1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box<br>Note: Isolate each duct and form a continuous raceway through the box in both directions. | 538.00 | 44.12 |
| 26 05 39 00-0014 | EA | 1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box | 362.51 | 47.27 |
| 26 05 39 00-0015 | EA | 1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box | 578.05 | 62.15 |
| 26 05 39 00-0016 | EA | 1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct | 815.18 | 67.57 |
| 26 05 39 00-0017 | | **Two Level Junction Boxes** *(26 05 39 00-0009)* | | |
| 26 05 39 00-0018 | EA | 2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level<br>Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway. | 1,254.13 | 44.62 |
| 26 05 39 00-0019 | EA | 2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts | 1,443.83 | 47.27 |
| 26 05 39 00-0020 | | **Elbow Fittings** *(26 05 39 00-0001)* | | |
| 26 05 39 00-0021 | | **90 Degree Horizontal Elbow** *(26 05 39 00-0020)* | | |
| 26 05 39 00-0022 | EA | Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree | 143.38 | 16.26 |
| 26 05 39 00-0023 | EA | Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree | 147.80 | 16.26 |
| 26 05 39 00-0024 | | **90 Degree Vertical Elbow** *(26 05 39 00-0020)* | | |
| 26 05 39 00-0025 | EA | Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree | 79.02 | 16.26 |
| 26 05 39 00-0026 | EA | Underfloor Large Duct Vertical Elbow Fitting, 90 Degree | 80.79 | 16.26 |
| 26 05 39 00-0027 | | **Offset Elbow** *(26 05 39 00-0020)*<br>Note: Two elbows required for crossover or crossunder. | | |
| 26 05 39 00-0028 | EA | Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under | 79.02 | 18.91 |
| 26 05 39 00-0029 | EA | Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under | 80.79 | 18.91 |
| 26 05 39 00-0030 | | **Couplings** *(26 05 39 00-0001)* | | |
| 26 05 39 00-0031 | | **Sleeve Couplings** *(26 05 39 00-0030)* | | |
| 26 05 39 00-0032 | EA | Underfloor Standard Duct Sleeve Coupling | 49.64 | 25.21 |
| 26 05 39 00-0033 | EA | Underfloor Large Duct Sleeve Coupling | 76.83 | 25.21 |
| 26 05 39 00-0034 | | **Expansion Couplings** *(26 05 39 00-0030)* | | |
| 26 05 39 00-0035 | EA | Underfloor Standard Duct Expansion Coupling | 112.66 | 25.21 |
| 26 05 39 00-0036 | EA | Underfloor Large Duct Expansion Coupling | 114.87 | 26.60 |
| 26 05 39 00-0037 | | **Reducing Couplings** *(26 05 39 00-0030)* | | |
| 26 05 39 00-0038 | EA | Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling | 113.17 | 3.78 |
| 26 05 39 00-0039 | | **Duct Supports** *(26 05 39 00-0001)* | | |
| 26 05 39 00-0040 | | **Combination Support And Coupling** *(26 05 39 00-0039)*<br>Note: Includes leveling legs and anchoring feet. | | |
| 26 05 39 00-0041 | EA | 1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet | 113.61 | 52.95 |
| 26 05 39 00-0042 | EA | 2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet | 126.50 | 52.95 |
| 26 05 39 00-0043 | EA | 3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet | 139.49 | 52.95 |
| 26 05 39 00-0044 | EA | 1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet | 126.50 | 59.26 |
| 26 05 39 00-0045 | EA | 2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet | 152.77 | 59.26 |
| 26 05 39 00-0046 | EA | 1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet | 139.49 | 63.03 |
| 26 05 39 00-0047 | EA | 2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet | 139.49 | 63.03 |
| 26 05 39 00-0048 | EA | 1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet | 152.77 | 63.03 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 39 00-0049 | | Duct Support Only *(26 05 39 00-0039)* | | |
| | | Note: Includes leveling legs and anchoring feet. | | |
| 26 05 39 00-0050 | EA | 1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet | 102.70 | 46.65 |
| 26 05 39 00-0051 | EA | 2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet | 120.87 | 46.65 |
| 26 05 39 00-0052 | EA | 3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet | 140.51 | 46.65 |
| 26 05 39 00-0053 | | Underfloor Duct Accessories *(26 05 39 00-0001)* | | |
| 26 05 39 00-0054 | | Plugs For Unused Junction Box Openings And Duct Ends *(26 05 39 00-0053)* | | |
| 26 05 39 00-0055 | EA | Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends | 30.11 | 3.78 |
| 26 05 39 00-0056 | EA | Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends | 30.77 | 3.78 |
| 26 05 39 00-0057 | | Conduit Adapters *(26 05 39 00-0053)* | | |
| 26 05 39 00-0058 | EA | One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter | 42.68 | 6.30 |
| 26 05 39 00-0059 | EA | Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter | 45.32 | 6.30 |
| 26 05 39 00-0060 | EA | One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter | 43.99 | 6.30 |
| 26 05 39 00-0061 | EA | Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter | 45.31 | 6.30 |
| 26 05 39 00-0062 | | Holders And Caps *(26 05 39 00-0053)* | | |
| 26 05 39 00-0063 | EA | Tile Holder, Underfloor Duct Accessories | 273.34 | 52.95 |
| 26 05 39 00-0064 | EA | Terrazzo Holder, Underfloor Duct Accessories | 528.32 | 52.95 |
| 26 05 39 00-0065 | EA | Closing Caps For Inserts, Underfloor Duct Accessories | 3.52 | 1.26 |
| 26 05 39 00-0066 | | Underfloor Dust Pans *(26 05 39 00-0001)* | | |
| 26 05 39 00-0067 | EA | Underfloor Dust Carpet Pan | 121.01 | 6.91 |

## 26 05 43 Underground Ducts and Raceways for Electrical Systems *(26 05)*

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

| | | | | |
|---|---|---|---|---|
| 26 05 43 00-0001 | | Precast Concrete Trenches, One Piece Pedestrian Trench *(26 05 43)* | | |
| | | Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding. | | |
| 26 05 43 00-0002 | | 10" Wide Pedestrian Trench *(26 05 43 00-0001)* | | |
| 26 05 43 00-0003 | LF | Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench | 93.42 | |
| 26 05 43 00-0004 | LF | Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench | 89.39 | |
| 26 05 43 00-0005 | LF | Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench | 129.74 | |
| 26 05 43 00-0006 | LF | Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench | 124.14 | |
| 26 05 43 00-0007 | EA | End Wall, 10" Wide x 15" Deep Pedestrian Trench | 63.56 | |
| 26 05 43 00-0008 | EA | End Wall, 10" Wide x 24" Deep Pedestrian Trench | 75.52 | |
| 26 05 43 00-0009 | LF | Lid, Concrete, 10" Wide Pedestrian Trench | 62.28 | |
| 26 05 43 00-0010 | | 20" Wide Pedestrian Trench *(26 05 43 00-0001)* | | |
| 26 05 43 00-0011 | LF | Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench | 118.54 | |
| 26 05 43 00-0012 | LF | Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench | 111.41 | |
| 26 05 43 00-0013 | LF | Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench | 160.74 | |
| 26 05 43 00-0014 | LF | Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench | 154.24 | |
| 26 05 43 00-0015 | EA | End Wall, 20" Wide x 15" Deep Pedestrian Trench | 79.65 | |
| 26 05 43 00-0016 | EA | End Wall, 20" Wide x 24" Deep Pedestrian Trench | 116.05 | |
| 26 05 43 00-0017 | LF | Lid, Concrete, 20" Wide Pedestrian Trench | 77.88 | |
| 26 05 43 00-0018 | | 30" Wide Pedestrian Trench *(26 05 43 00-0001)* | | |
| 26 05 43 00-0019 | LF | Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench | 151.73 | |
| 26 05 43 00-0020 | LF | Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench | 177.85 | |
| 26 05 43 00-0021 | LF | Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench | 189.76 | |
| 26 05 43 00-0022 | LF | Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench | 182.37 | |
| 26 05 43 00-0023 | EA | End Wall, 30" Wide x 15" Deep Pedestrian Trench | 114.41 | |
| 26 05 43 00-0024 | EA | End Wall, 30" Wide x 24" Deep Pedestrian Trench | 154.88 | |
| 26 05 43 00-0025 | LF | Lid, Concrete, 30" Wide Pedestrian Trench | 97.18 | |
| 26 05 43 00-0026 | | 40" Wide Pedestrian Trench *(26 05 43 00-0001)* | | |
| 26 05 43 00-0027 | LF | Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench | 181.96 | |
| 26 05 43 00-0028 | LF | Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench | 175.23 | |
| 26 05 43 00-0029 | LF | Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench | 222.65 | |
| 26 05 43 00-0030 | LF | Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench | 214.42 | |
| 26 05 43 00-0031 | EA | End Wall, 40" Wide x 15" Deep Pedestrian Trench | 146.44 | |
| 26 05 43 00-0032 | EA | End Wall, 40" Wide x 24" Deep Pedestrian Trench | 198.02 | |
| 26 05 43 00-0033 | LF | Lid, Concrete, 40" Wide Pedestrian Trench | 114.94 | |
| 26 05 43 00-0034 | | Precast Concrete Trenches, One Piece Medium Vehicle Trench *(26 05 43)* | | |
| | | Note: Rated for 7,000 Lb Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 43 00-0035** | | **10" Wide Medium Vehicle Trench** *(26 05 43 00-0034)* | | |
| 26 05 43 00-0036 | LF | Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench | 113.21 | |
| 26 05 43 00-0037 | LF | Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench | 107.98 | |
| 26 05 43 00-0038 | LF | Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench | 157.20 | |
| 26 05 43 00-0039 | LF | Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench | 149.96 | |
| 26 05 43 00-0040 | EA | End Wall, 10" Wide x 15" Deep Medium Vehicle Trench | 74.56 | |
| 26 05 43 00-0041 | EA | End Wall, 10" Wide x 24" Deep Medium Vehicle Trench | 87.05 | |
| 26 05 43 00-0042 | LF | Lid, Concrete 10" Wide Medium Vehicle Trench | 75.47 | |
| 26 05 43 00-0043 | LF | Lid, Galvanized Steel 10" Wide Medium Vehicle Trench | 333.01 | |
| **26 05 43 00-0044** | | **20" Wide Medium Vehicle Trench** *(26 05 43 00-0034)* | | |
| 26 05 43 00-0045 | LF | Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench | 142.70 | |
| 26 05 43 00-0046 | LF | Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench | 133.50 | |
| 26 05 43 00-0047 | LF | Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench | 192.59 | |
| 26 05 43 00-0048 | LF | Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench | 184.19 | |
| 26 05 43 00-0049 | EA | End Wall, 20" Wide x 15" Deep Medium Vehicle Trench | 92.38 | |
| 26 05 43 00-0050 | EA | End Wall, 20" Wide x 24" Deep Medium Vehicle Trench | 134.78 | |
| 26 05 43 00-0051 | LF | Lid, Concrete 20" Wide Medium Vehicle Trench | 94.37 | |
| 26 05 43 00-0052 | LF | Lid, Galvanized Steel 20" Wide Medium Vehicle Trench | 441.59 | |
| **26 05 43 00-0053** | | **30" Wide Medium Vehicle Trench** *(26 05 43 00-0034)* | | |
| 26 05 43 00-0054 | LF | Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench | 144.39 | |
| 26 05 43 00-0055 | LF | Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench | 172.76 | |
| 26 05 43 00-0056 | LF | Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench | 226.02 | |
| 26 05 43 00-0057 | LF | Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench | 216.46 | |
| 26 05 43 00-0058 | EA | End Wall, 30" Wide x 15" Deep Medium Vehicle Trench | 131.97 | |
| 26 05 43 00-0059 | EA | End Wall, 30" Wide x 24" Deep Medium Vehicle Trench | 180.87 | |
| 26 05 43 00-0060 | LF | Lid, Concrete 30" Wide Medium Vehicle Trench | 118.08 | |
| 26 05 43 00-0061 | LF | Lid, Galvanized Steel 30" Wide Medium Vehicle Trench | 551.25 | |
| **26 05 43 00-0062** | | **40" Wide Medium Vehicle Trench** *(26 05 43 00-0034)* | | |
| 26 05 43 00-0063 | LF | Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench | 214.91 | |
| 26 05 43 00-0064 | LF | Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench | 206.22 | |
| 26 05 43 00-0065 | LF | Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench | 263.07 | |
| 26 05 43 00-0066 | LF | Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench | 252.41 | |
| 26 05 43 00-0067 | EA | End Wall, 40" Wide x 15" Deep Medium Vehicle Trench | 168.93 | |
| 26 05 43 00-0068 | EA | End Wall, 40" Wide x 24" Deep Medium Vehicle Trench | 231.21 | |
| 26 05 43 00-0069 | LF | Lid, Concrete 40" Wide Medium Vehicle Trench | 139.10 | |
| 26 05 43 00-0070 | LF | Lid, Galvanized Steel 40" Wide Medium Vehicle Trench | 749.37 | |
| **26 05 43 00-0071** | | **Precast Concrete Trenches, One Piece H20 Road Crossing Trench** *(26 05 43)* | | |
| | | Note: H20 Rated for 32,000 Lb Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding. | | |
| **26 05 43 00-0072** | | **10" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)* | | |
| 26 05 43 00-0073 | LF | Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench | 243.70 | |
| 26 05 43 00-0074 | LF | Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench | 231.98 | |
| 26 05 43 00-0075 | LF | Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench | 304.58 | |
| 26 05 43 00-0076 | LF | Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench | 289.79 | |
| 26 05 43 00-0077 | LF | Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench | 234.04 | |
| 26 05 43 00-0078 | LF | Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench | 222.88 | |
| 26 05 43 00-0079 | LF | Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench | 294.92 | |
| 26 05 43 00-0080 | LF | Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench | 280.72 | |
| 26 05 43 00-0081 | EA | End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench | 161.53 | |
| 26 05 43 00-0082 | EA | End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench | 218.68 | |
| 26 05 43 00-0083 | EA | End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench | 146.20 | |
| 26 05 43 00-0084 | EA | End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench | 203.01 | |
| 26 05 43 00-0085 | LF | Lid, Concrete 10" Wide Road Crossing Trench | 112.69 | |
| 26 05 43 00-0086 | LF | Lid, Galvanized Steel 10" Wide Road Crossing Trench | 361.33 | |
| **26 05 43 00-0087** | | **20" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)* | | |
| 26 05 43 00-0088 | LF | Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench | 258.70 | |
| 26 05 43 00-0089 | LF | Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench | 246.67 | |
| 26 05 43 00-0090 | LF | Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench | 342.41 | |
| 26 05 43 00-0091 | LF | Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench | 326.32 | |
| 26 05 43 00-0092 | LF | Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench | 258.70 | |
| 26 05 43 00-0093 | LF | Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench | 246.67 | |
| 26 05 43 00-0094 | LF | Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench | 332.75 | |
| 26 05 43 00-0095 | LF | Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench | 317.25 | |
| 26 05 43 00-0096 | EA | End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench | 230.67 | |
| 26 05 43 00-0097 | EA | End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench | 314.05 | |
| 26 05 43 00-0098 | EA | End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench | 208.35 | |
| 26 05 43 00-0099 | EA | End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench | 291.73 | |
| 26 05 43 00-0100 | LF | Lid, Concrete 20" Wide Road Crossing Trench | 125.76 | |
| 26 05 43 00-0101 | LF | Lid, Galvanized Steel 20" Wide Road Crossing Trench | 535.89 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 43 00-0102 | | 30" Wide H20 Road Crossing Trench *(26 05 43 00-0071)* | | |
| 26 05 43 00-0103 | LF | Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench | 305.95 | |
| 26 05 43 00-0104 | LF | Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench | 292.18 | |
| 26 05 43 00-0105 | LF | Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench | 378.24 | |
| 26 05 43 00-0106 | LF | Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench | 361.14 | |
| 26 05 43 00-0107 | LF | Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench | 296.28 | |
| 26 05 43 00-0108 | LF | Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench | 283.09 | |
| 26 05 43 00-0109 | LF | Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench | 368.57 | |
| 26 05 43 00-0110 | LF | Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench | 351.75 | |
| 26 05 43 00-0111 | EA | End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench | 307.91 | |
| 26 05 43 00-0112 | EA | End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench | 407.46 | |
| 26 05 43 00-0113 | EA | End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench | 278.59 | |
| 26 05 43 00-0114 | EA | End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench | 378.14 | |
| 26 05 43 00-0115 | LF | Lid, Concrete 30" Wide Road Crossing Trench | 159.13 | |
| 26 05 43 00-0116 | LF | Lid, Galvanized Steel 30" Wide Road Crossing Trench | 671.97 | |
| 26 05 43 00-0117 | | 40" Wide H20 Road Crossing Trench *(26 05 43 00-0071)* | | |
| 26 05 43 00-0118 | LF | Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench | 338.14 | |
| 26 05 43 00-0119 | LF | Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench | 323.35 | |
| 26 05 43 00-0120 | LF | Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench | 416.26 | |
| 26 05 43 00-0121 | LF | Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench | 397.69 | |
| 26 05 43 00-0122 | LF | Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench | 328.48 | |
| 26 05 43 00-0123 | LF | Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench | 314.28 | |
| 26 05 43 00-0124 | LF | Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench | 406.59 | |
| 26 05 43 00-0125 | LF | Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench | 388.60 | |
| 26 05 43 00-0126 | EA | End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench | 382.19 | |
| 26 05 43 00-0127 | EA | End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench | 505.46 | |
| 26 05 43 00-0128 | EA | End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench | 346.21 | |
| 26 05 43 00-0129 | EA | End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench | 469.47 | |
| 26 05 43 00-0130 | LF | Lid, Concrete 40" Wide Road Crossing Trench | 192.25 | |
| 26 05 43 00-0131 | LF | Lid, Galvanized Steel 40" Wide Road Crossing Trench | 913.65 | |

## 26 05 46 Utility Poles for Electrical Systems *(26 05)*

### 26 05 46 00-0001 Wood Poles *(26 05 46)*

### 26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 Lb. Retention *(26 05 46 00-0001)*

Note: Machine dig and set.

| | | | | |
|---|---|---|---|---|
| 26 05 46 00-0003 | EA | 25' Treated Wood Pole, Class 3, Machine Dig And Set | 1,006.20 | 327.14 |
| | | *For Class 1 Pole, Add* | *123.13* | |
| | | *For Class 2 Pole, Add* | *70.36* | |
| | | *For Class 4 Pole, Deduct* | *-35.18* | |
| | | *For Class 5 Pole, Deduct* | *-105.54* | |
| | | *For Class 6 Pole, Deduct* | *-140.72* | |
| 26 05 46 00-0004 | EA | 30' Treated Wood Pole, Class 3, Machine Dig And Set | 1,203.63 | 362.96 |
| | | *For Class 1 Pole, Add* | *167.18* | |
| | | *For Class 2 Pole, Add* | *95.53* | |
| | | *For Class 4 Pole, Deduct* | *-47.77* | |
| | | *For Class 5 Pole, Deduct* | *-143.30* | |
| | | *For Class 6 Pole, Deduct* | *-191.06* | |
| 26 05 46 00-0005 | EA | 35' Treated Wood Pole, Class 3, Machine Dig And Set | 1,560.60 | 480.04 |
| | | *For Class 1 Pole, Add* | *210.23* | |
| | | *For Class 2 Pole, Add* | *120.13* | |
| | | *For Class 4 Pole, Deduct* | *-60.07* | |
| | | *For Class 5 Pole, Deduct* | *-180.20* | |
| | | *For Class 6 Pole, Deduct* | *-240.26* | |
| 26 05 46 00-0006 | EA | 40' Treated Wood Pole, Class 3, Machine Dig And Set | 1,785.31 | 527.99 |
| | | *For Class 1 Pole, Add* | *255.28* | |
| | | *For Class 2 Pole, Add* | *145.87* | |
| | | *For Class 4 Pole, Deduct* | *-72.94* | |
| | | *For Class 5 Pole, Deduct* | *-218.81* | |
| | | *For Class 6 Pole, Deduct* | *-291.74* | |
| 26 05 46 00-0007 | EA | 45' Treated Wood Pole, Class 3, Machine Dig And Set | 2,040.04 | 588.07 |
| | | *For Class 1 Pole, Add* | *302.33* | |
| | | *For Class 2 Pole, Add* | *172.76* | |
| | | *For Class 4 Pole, Deduct* | *-86.38* | |
| | | *For Class 5 Pole, Deduct* | *-259.14* | |
| | | *For Class 6 Pole, Deduct* | *-345.52* | |
| 26 05 46 00-0008 | EA | 50' Treated Wood Pole, Class 3, Machine Dig And Set | 2,321.01 | 659.99 |
| | | *For Class 1 Pole, Add* | *350.38* | |
| | | *For Class 2 Pole, Add* | *200.22* | |
| | | *For Class 4 Pole, Deduct* | *-100.11* | |
| | | *For Class 5 Pole, Deduct* | *-300.32* | |
| | | *For Class 6 Pole, Deduct* | *-400.43* | |
| 26 05 46 00-0009 | EA | 55' Treated Wood Pole, Class 3, Machine Dig And Set | 2,596.02 | 725.92 |
| | | *For Class 1 Pole, Add* | *400.43* | |
| | | *For Class 2 Pole, Add* | *228.82* | |
| | | *For Class 4 Pole, Deduct* | *-114.41* | |
| | | *For Class 5 Pole, Deduct* | *-343.23* | |
| | | *For Class 6 Pole, Deduct* | *-457.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 46 00-0010 | EA | 60' Treated Wood Pole, Class 3, Machine Dig And Set | 2,900.88 | 798.26 |
| | | *For Class 1 Pole, Add* | *456.49* | |
| | | *For Class 2 Pole, Add* | *260.85* | |
| | | *For Class 4 Pole, Deduct* | *-130.43* | |
| | | *For Class 5 Pole, Deduct* | *-391.28* | |
| | | *For Class 6 Pole, Deduct* | *-521.70* | |
| 26 05 46 00-0011 | EA | 65' Treated Wood Pole, Class 3, Machine Dig And Set | 4,745.38 | 870.04 |
| | | *For Class 1 Pole, Add* | *1,051.83* | |
| | | *For Class 2 Pole, Add* | *601.05* | |
| | | *For Class 4 Pole, Deduct* | *-300.52* | |
| | | *For Class 5 Pole, Deduct* | *-901.57* | |
| | | *For Class 6 Pole, Deduct* | *-1,202.10* | |
| 26 05 46 00-0012 | EA | 70' Treated Wood Pole, Class 3, Machine Dig And Set | 5,210.81 | 925.52 |
| | | *For Class 1 Pole, Add* | *1,175.91* | |
| | | *For Class 2 Pole, Add* | *671.95* | |
| | | *For Class 4 Pole, Deduct* | *-335.98* | |
| | | *For Class 5 Pole, Deduct* | *-1,007.93* | |
| | | *For Class 6 Pole, Deduct* | *-1,343.90* | |
| 26 05 46 00-0013 | EA | 75' Treated Wood Pole, Class 3, Machine Dig And Set | 5,727.61 | 988.52 |
| | | *For Class 1 Pole, Add* | *1,312.68* | |
| | | *For Class 2 Pole, Add* | *750.10* | |
| | | *For Class 4 Pole, Deduct* | *-375.05* | |
| | | *For Class 5 Pole, Deduct* | *-1,125.15* | |
| | | *For Class 6 Pole, Deduct* | *-1,500.20* | |
| 26 05 46 00-0014 | | **Removal And Relocation Of Wood Poles With Cross Arm** *(26 05 46 00-0001)* | | |
| 26 05 46 00-0015 | LF | Removal And Relocation Of Up To 75' Wood Pole With Cross Arms | 27.88 | |
| 26 05 46 00-0016 | | **Crossarms** *(26 05 46)* Note: Includes hardware and braces. | | |
| 26 05 46 00-0017 | | **Wood Single Arm Crossarms** *(26 05 46 00-0016)* | | |
| 26 05 46 00-0018 | EA | 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces | 238.69 | 97.57 |
| 26 05 46 00-0019 | EA | 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces | 288.56 | 97.57 |
| 26 05 46 00-0020 | EA | 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces | 302.94 | 125.45 |
| 26 05 46 00-0021 | | **Wood Double Arm Crossarms** *(26 05 46 00-0016)* | | |
| 26 05 46 00-0022 | EA | 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces | 614.80 | 271.80 |
| 26 05 46 00-0023 | EA | 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces | 654.63 | 271.80 |
| 26 05 46 00-0024 | EA | 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces | 681.49 | 271.80 |
| 26 05 46 00-0025 | | **Fiberglass Crossarms** *(26 05 46 00-0016)* Note: Includes hardware. | | |
| 26 05 46 00-0026 | | **Single Phase, 15 Degree Angle** *(26 05 46 00-0025)* | | |
| 26 05 46 00-0027 | EA | Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 Lb. | 275.51 | |
| 26 05 46 00-0028 | EA | Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 Lb. | 347.14 | 58.55 |
| 26 05 46 00-0029 | EA | Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 Lb. | 361.07 | 62.72 |
| 26 05 46 00-0030 | | **Two Phase, 15 Degree Angle** *(26 05 46 00-0025)* | | |
| 26 05 46 00-0031 | EA | Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 Lb. | 432.38 | 75.27 |
| 26 05 46 00-0032 | | **Fiberglass Crossarm Accessories** *(26 05 46 00-0025)* | | |
| 26 05 46 00-0033 | EA | Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 Lb. Per Conductor | 690.62 | 96.18 |
| 26 05 46 00-0034 | EA | Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 Lb. Per Conductor | 818.23 | 117.08 |
| 26 05 46 00-0035 | EA | Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded | 120.10 | 16.72 |
| 26 05 46 00-0036 | EA | Three Phase Equipment Mounting Bracket | 600.54 | 83.64 |
| 26 05 46 00-0037 | EA | Fiberglass Bull Horn Crossarm | 471.82 | 139.39 |
| 26 05 46 00-0038 | | **Insulator Support System** *(26 05 46 00-0016)* | | |
| 26 05 46 00-0039 | | **Epoxy Construction Units, In Place Mounting** *(26 05 46 00-0038)* Note: Includes hardware. | | |
| 26 05 46 00-0040 | EA | 1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting | 141.66 | |
| 26 05 46 00-0041 | EA | 1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting | 116.11 | |
| 26 05 46 00-0042 | EA | Deadend Arms, In Place Mounting | 339.10 | |
| 26 05 46 00-0043 | EA | 1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting | 227.01 | |
| 26 05 46 00-0044 | | **Epoxy Construction Units, Grounding Mounting** *(26 05 46 00-0038)* Note: Includes hardware. | | |
| 26 05 46 00-0045 | EA | 1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting | 101.33 | |
| 26 05 46 00-0046 | EA | 1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting | 89.22 | |
| 26 05 46 00-0047 | EA | Deadend Arms, Grounding Mounting | 312.21 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 05 46 00-0048** | | **Guying** *(26 05 46)* Note: Includes cable, anchor and rod assembly, guy marker. | | |
| **26 05 46 00-0049** | | **Down Guy** *(26 05 46 00-0048)* | | |
| 26 05 46 00-0050 | EA | Down Guy For 25' To 40' Pole | 1,002.15 | 390.28 |
| 26 05 46 00-0051 | EA | Down Guy For 45' To 60' Pole | 1,022.97 | 390.28 |
| 26 05 46 00-0052 | EA | Down Guy For 65' To 75' Pole | 1,065.79 | 390.28 |
| 26 05 46 00-0053 | EA | Guy Guard, Plastic | 45.80 | |
| **26 05 46 00-0054** | | **Head Guy, 50' Spans** *(26 05 46 00-0048)* | | |
| 26 05 46 00-0055 | EA | Head Guy (50' Span), For 25' To 40' Pole | 1,426.24 | 599.35 |
| 26 05 46 00-0056 | EA | Head Guy (50' Span), For 45' To 60' Pole | 1,426.24 | 599.35 |
| 26 05 46 00-0057 | EA | Head Guy (50' Span), For 65' To 75' Pole | 1,426.24 | 599.35 |
| **26 05 46 00-0058** | | **Guy Strain Insulators Additional Insulators** *(26 05 46 00-0048)* Note: As required at same material cost and labor. | | |
| 26 05 46 00-0059 | EA | Guy Strain Insulator | 593.88 | 292.71 |
| **26 05 46 00-0060** | | **Insulators** *(26 05 46)* | | |
| **26 05 46 00-0061** | | **Pin Insulator With Pin** *(26 05 46 00-0060)* | | |
| 26 05 46 00-0062 | EA | 5 KV Class 55-3, Pin Insulator With Pin | 186.68 | 83.64 |
| 26 05 46 00-0063 | EA | 15 KV Class 55-5, Pin Insulator With Pin | 191.85 | 83.64 |
| **26 05 46 00-0064** | | **Suspension Insulator** *(26 05 46 00-0060)* Note: Includes clevis and strain clamp. | | |
| 26 05 46 00-0065 | EA | 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp | 236.71 | 111.51 |
| 26 05 46 00-0066 | EA | 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp | 250.74 | 111.51 |
| 26 05 46 00-0067 | EA | 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp | 351.08 | 139.39 |
| 26 05 46 00-0068 | EA | 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp | 555.18 | 223.02 |
| **26 05 46 00-0069** | | **Spool Insulator With Clevis** *(26 05 46 00-0060)* | | |
| 26 05 46 00-0070 | EA | 5 KV Class 53-5, Spool Insulator With Clevis | 78.81 | 34.84 |
| 26 05 46 00-0071 | EA | 15 KV Class, Spool Insulator With Clevis | 252.45 | 125.45 |
| 26 05 46 00-0072 | EA | 25 KV Class, Spool Insulator With Clevis | 327.45 | 125.45 |
| **26 05 46 00-0073** | | **Secondary Rack** *(26 05 46 00-0060)* | | |
| 26 05 46 00-0074 | EA | 1 Spool Secondary Rack | 156.61 | 69.69 |
| 26 05 46 00-0075 | EA | 2 Spool Secondary Rack | 161.14 | 88.92 |
| 26 05 46 00-0076 | EA | 3 Spool Secondary Rack | 241.33 | 118.48 |
| 26 05 46 00-0077 | EA | 4 Spool Secondary Rack | 271.30 | 118.48 |
| **26 05 46 00-0078** | | **Outdoor Load Break Switches** *(26 05 46)* Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel. | | |
| **26 05 46 00-0079** | | **7.2 KV Outdoor Load Break Switches** *(26 05 46 00-0078)* | | |
| 26 05 46 00-0080 | EA | 600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator | 5,145.33 | 473.91 |
| 26 05 46 00-0081 | EA | 1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator | 10,128.29 | 473.91 |
| 26 05 46 00-0082 | EA | 1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator | 15,089.75 | 801.46 |
| 26 05 46 00-0083 | EA | 2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator | 15,377.96 | 801.46 |
| **26 05 46 00-0084** | | **14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0078)* | | |
| 26 05 46 00-0085 | EA | 600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator | 6,299.82 | 473.91 |
| 26 05 46 00-0086 | EA | 1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator | 11,981.11 | 473.91 |
| 26 05 46 00-0087 | EA | 1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator | 15,089.75 | 801.46 |
| 26 05 46 00-0088 | EA | 2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator | 15,377.96 | 801.46 |
| **26 05 46 00-0089** | | **23 KV Outdoor Load Break Switches** *(26 05 46 00-0078)* | | |
| 26 05 46 00-0090 | EA | 600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator | 6,943.10 | 550.57 |
| 26 05 46 00-0091 | EA | 1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator | 13,107.09 | 550.57 |
| 26 05 46 00-0092 | EA | 1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator | 15,753.08 | 947.81 |
| 26 05 46 00-0093 | EA | 2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator | 16,050.73 | 947.81 |
| **26 05 46 00-0094** | | **Square Distribution Poles** *(26 05 46)* | | |
| **26 05 46 00-0095** | | **Square Steel Tapered Shaft Distribution Poles** *(26 05 46 00-0094)* | | |
| 26 05 46 00-0096 | EA | 20', Steel Taped Shaft Distribution Pole | 4,119.77 | 592.39 |
| 26 05 46 00-0097 | EA | 25', Steel Taped Shaft Distribution Pole | 4,605.13 | 627.23 |
| 26 05 46 00-0098 | EA | 30', Steel Taped Shaft Distribution Pole | 4,990.16 | 696.93 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 46 00-0099 | EA | 35', Steel Taped Shaft Distribution Pole | 5,523.98 | 766.62 |
| 26 05 46 00-0100 | EA | 40', Steel Taped Shaft Distribution Pole | 7,571.67 | 836.31 |
| **26 05 46 00-0101** | | **Square Prestressed Concrete Distribution Poles** *(26 05 46 00-0094)* | | |
| 26 05 46 00-0102 | EA | 30', Prestressed Concrete Square Pole For Distribution | 5,241.62 | 1,056.32 |
| 26 05 46 00-0103 | EA | 35', Prestressed Concrete Square Pole For Distribution | 5,920.59 | 1,158.55 |
| 26 05 46 00-0104 | EA | 40', Prestressed Concrete Square Pole For Distribution | 6,946.90 | 1,294.85 |
| 26 05 46 00-0105 | EA | 45', Prestressed Concrete Square Pole For Distribution | 7,827.59 | 1,431.15 |
| 26 05 46 00-0106 | EA | 50', Prestressed Concrete Square Pole For Distribution | 6,169.00 | 1,737.83 |
| 26 05 46 00-0107 | EA | 55', Prestressed Concrete Square Pole For Distribution | 11,039.97 | 2,044.50 |
| 26 05 46 00-0108 | EA | 60', Prestressed Concrete Square Pole For Distribution | 13,025.08 | 2,317.10 |
| 26 05 46 00-0109 | EA | 65', Prestressed Concrete Square Pole For Distribution | 15,722.30 | 2,862.30 |
| 26 05 46 00-0110 | EA | 70', Prestressed Concrete Square Pole For Distribution | 17,610.60 | 3,134.90 |
| **26 05 46 00-0111** | | **Aluminum Tapered Poles** *(26 05 46)* | | |
| **26 05 46 00-0112** | | **Aluminum Tapered Round Seamless Shaft Poles** *(26 05 46 00-0111)* | | |
| 26 05 46 00-0113 | EA | 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution | 3,731.34 | 522.70 |
| 26 05 46 00-0114 | EA | 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution | 5,239.91 | 557.54 |
| 26 05 46 00-0115 | EA | 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution | 6,029.23 | 627.23 |
| 26 05 46 00-0116 | EA | 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution | 7,163.27 | 696.93 |
| 26 05 46 00-0117 | EA | 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution | 10,910.83 | 766.62 |
| **26 05 46 00-0118** | | **Steel Service Poles Distribution** *(26 05 46)*<br>Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish. | | |
| **26 05 46 00-0119** | | **Round Tapered Pole** *(26 05 46 00-0118)* | | |
| 26 05 46 00-0120 | EA | 40', Galvanized Steel Tapered Round Pole For Distribution | 5,183.65 | 836.31 |
| 26 05 46 00-0121 | EA | 45', Galvanized Steel Tapered Round Pole For Distribution | 6,031.86 | 906.00 |
| 26 05 46 00-0122 | EA | 50', Galvanized Steel Tapered Round Pole For Distribution | 6,425.41 | 975.70 |
| 26 05 46 00-0123 | EA | 55', Galvanized Steel Tapered Round Pole For Distribution | 7,570.83 | 1,115.08 |
| 26 05 46 00-0124 | EA | 60', Galvanized Steel Tapered Round Pole For Distribution | 9,378.01 | 1,254.46 |
| 26 05 46 00-0125 | EA | 65', Galvanized Steel Tapered Round Pole For Distribution | 11,082.33 | 1,601.53 |
| 26 05 46 00-0126 | EA | 70', Galvanized Steel Tapered Round Pole For Distribution | 12,332.33 | 1,816.88 |
| 26 05 46 00-0127 | EA | 75', Galvanized Steel Tapered Round Pole For Distribution | 13,628.23 | 2,044.50 |
| 26 05 46 00-0128 | EA | 80', Galvanized Steel Tapered Round Pole For Distribution | 15,286.66 | 2,317.10 |
| 26 05 46 00-0129 | EA | 85', Galvanized Steel Tapered Round Pole For Distribution | 16,337.50 | 2,453.40 |
| 26 05 46 00-0130 | EA | 90', Galvanized Steel Tapered Round Pole For Distribution | 17,719.37 | 2,726.00 |
| 26 05 46 00-0131 | EA | 95', Galvanized Steel Tapered Round Pole For Distribution | 19,498.00 | 3,066.75 |
| 26 05 46 00-0132 | EA | 100', Galvanized Steel Tapered Round Pole For Distribution | 21,504.28 | 3,475.65 |
| **26 05 46 00-0133** | | **12 Sided Tapered** *(26 05 46 00-0118)* | | |
| 26 05 46 00-0134 | EA | 40', Galvanized Steel Tapered 12 Sided Pole For Distribution | 8,947.42 | 836.31 |
| 26 05 46 00-0135 | EA | 45', Galvanized Steel Tapered 12 Sided Pole For Distribution | 9,877.17 | 906.00 |
| 26 05 46 00-0136 | EA | 50', Galvanized Steel Tapered 12 Sided Pole For Distribution | 10,942.13 | 975.70 |
| 26 05 46 00-0137 | EA | 55', Galvanized Steel Tapered 12 Sided Pole For Distribution | 12,016.25 | 1,115.08 |
| 26 05 46 00-0138 | EA | 60', Galvanized Steel Tapered 12 Sided Pole For Distribution | 16,000.41 | 1,254.46 |
| 26 05 46 00-0139 | EA | 65', Galvanized Steel Tapered 12 Sided Pole For Distribution | 17,745.46 | 1,601.53 |
| 26 05 46 00-0140 | EA | 70', Galvanized Steel Tapered 12 Sided Pole For Distribution | 20,562.01 | 1,816.88 |
| 26 05 46 00-0141 | EA | 75', Galvanized Steel Tapered 12 Sided Pole For Distribution | 22,117.31 | 2,044.50 |
| 26 05 46 00-0142 | EA | 80', Galvanized Steel Tapered 12 Sided Pole For Distribution | 23,765.08 | 2,317.10 |
| 26 05 46 00-0143 | EA | 85', Galvanized Steel Tapered 12 Sided Pole For Distribution | 25,177.60 | 2,453.40 |
| 26 05 46 00-0144 | EA | 90', Galvanized Steel Tapered 12 Sided Pole For Distribution | 28,588.85 | 2,726.00 |
| 26 05 46 00-0145 | EA | 95', Galvanized Steel Tapered 12 Sided Pole For Distribution | 30,337.03 | 3,066.75 |
| 26 05 46 00-0146 | EA | 100', Galvanized Steel Tapered 12 Sided Pole For Distribution | 32,414.46 | 3,475.65 |
| 26 05 46 00-0147 | EA | 105', Galvanized Steel Tapered 12 Sided Pole For Distribution | 34,639.63 | 3,884.55 |
| **26 05 46 00-0148** | | **Standard Options For Round, 12 Sided and Octagonal Tapered Poles** *(26 05 46 00-0118)* | | |
| 26 05 46 00-0149 | EA | Ladder Clips | 24.55 | |
| 26 05 46 00-0150 | EA | Coal Tar Epoxy Coating From Base To 1' Above Ground Line | 184.22 | |
| 26 05 46 00-0151 | EA | Ground Sleeve-2' At Ground Line | 185.29 | |
| **26 05 46 00-0152** | | **Arms With Baseplates And Endplates** *(26 05 46 00-0118)* | | |
| 26 05 46 00-0153 | EA | 4' Arm With Baseplate And Endplate | 884.45 | 139.39 |
| 26 05 46 00-0154 | EA | 5' Arm With Baseplate And Endplate | 966.57 | 139.39 |
| 26 05 46 00-0155 | EA | 6' Arm With Baseplate And Endplate | 1,189.19 | 209.07 |
| 26 05 46 00-0156 | EA | 7' Arm With Baseplate And Endplate | 1,261.02 | 209.07 |
| 26 05 46 00-0157 | EA | 8' Arm With Baseplate And Endplate | 1,481.47 | 278.77 |
| 26 05 46 00-0158 | EA | 9' Arm With Baseplate And Endplate | 1,563.55 | 278.77 |
| 26 05 46 00-0159 | EA | 10' Arm With Baseplate And Endplate | 2,082.83 | 348.46 |
| 26 05 46 00-0160 | EA | 11' Arm With Baseplate And Endplate | 2,174.97 | 348.46 |
| **26 05 46 00-0161** | | **Standard Vangs Load Bearing At Any Angle** *(26 05 46 00-0118)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 46 00-0162 | EA | 15,000 Lb. Standard Vangs Load Bearing At Any Angle | 346.50 | 139.39 |
| 26 05 46 00-0163 | EA | 30,000 Lb. Standard Vangs Load Bearing At Any Angle | 396.81 | 139.39 |
| 26 05 46 00-0164 | EA | 45,000 Lb. Standard Vangs Load Bearing At Any Angle | 465.62 | 139.39 |
| **26 05 46 00-0165** | | **Armless Construction Brackets** *(26 05 46 00-0118)* | | |
| **26 05 46 00-0166** | | **Verticals Insulator And Equipment Bracket** *(26 05 46 00-0165)* | | |
| 26 05 46 00-0167 | EA | 7" 1 Position Vertical Insulation And Equipment Bracket | 354.70 | 139.39 |
| 26 05 46 00-0168 | EA | 12" 1 Position Vertical Insulation And Equipment Bracket | 386.47 | 139.39 |
| 26 05 46 00-0169 | EA | 12" 3 Position Vertical Insulation And Equipment Bracket | 438.08 | 139.39 |
| 26 05 46 00-0170 | EA | 18" 1 Position Vertical Insulation And Equipment Bracket | 610.99 | 209.07 |
| 26 05 46 00-0171 | EA | 18" 3 Position Vertical Insulation And Equipment Bracket | 641.13 | 209.07 |
| **26 05 46 00-0172** | | **Horizontal And Multiple Insulator Brackets** *(26 05 46 00-0165)* | | |
| 26 05 46 00-0173 | EA | Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets | 329.96 | 139.39 |
| 26 05 46 00-0174 | EA | Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets | 396.72 | 139.39 |
| 26 05 46 00-0175 | EA | Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets | 578.66 | 209.07 |
| 26 05 46 00-0176 | EA | Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets | 736.21 | 209.07 |
| 26 05 46 00-0177 | EA | Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets | 941.48 | 278.77 |
| 26 05 46 00-0178 | EA | Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets | 1,025.10 | 278.77 |
| **26 05 46 00-0179** | | **Pole Top Bracket And Pins** *(26 05 46 00-0165)* | | |
| 26 05 46 00-0180 | EA | Pole Top Pin - 5" | 339.65 | 139.39 |
| 26 05 46 00-0181 | EA | Pole Top Bracket - 5" | 355.87 | 139.39 |
| **26 05 46 00-0182** | | **Angle Pins** *(26 05 46 00-0165)* | | |
| 26 05 46 00-0183 | EA | Angle Pin - 25 Degree, 6" | 337.47 | 139.39 |
| 26 05 46 00-0184 | EA | Angle Pin - 25 Degree, 7 1/4" | 390.10 | 139.39 |
| **26 05 46 00-0185** | | **Static And Neutral Wire Brackets** *(26 05 46 00-0165)* | | |
| 26 05 46 00-0186 | EA | Neutral Wire Extension Bracket | 353.77 | 139.39 |
| 26 05 46 00-0187 | EA | Static Wire Support Bracket | 359.15 | 139.39 |
| **26 05 46 00-0188** | | **Cutout, Arrestor And Terminator Brackets** *(26 05 46 00-0165)* | | |
| 26 05 46 00-0189 | EA | Cutout And Arrestor, With Mounting Bracket | 315.32 | 139.39 |
| 26 05 46 00-0190 | EA | Equipment Mounting T Bracket | 339.23 | 139.39 |
| 26 05 46 00-0191 | EA | 15 KV Cutout | 448.70 | |
| 26 05 46 00-0192 | EA | 9/10 KV Arrestor | 415.05 | 139.39 |
| **26 05 46 00-0193** | | **Spacer Cable, Conduit Support And Cluster Bracket** *(26 05 46 00-0165)* | | |
| 26 05 46 00-0194 | EA | Parallel Cable Spacer | 392.37 | 139.39 |
| 26 05 46 00-0195 | EA | Conduit Standoff Support Bracket | 375.20 | 139.39 |
| 26 05 46 00-0196 | EA | Three Transformer Pole Mounted Cluster Bracket | 970.34 | 139.39 |
| **26 05 46 00-0197** | | **15 KV, 200 Amperes, Solenoid Operated High Voltage Switch** *(26 05 46 00-0165)* | | |
| | | Note: Includes pole mounting bracket. | | |
| 26 05 46 00-0198 | EA | 15 KV, 1 Phase, Solenoid Switch With Pole Bracket | 2,179.24 | 348.46 |
| **26 05 46 00-0199** | | **Octagonal Tapered** *(26 05 46 00-0118)* | | |
| 26 05 46 00-0200 | EA | 40', Galvanized Steel Tapered Octagonal Pole For Distribution | 9,227.17 | 836.31 |
| 26 05 46 00-0201 | EA | 45', Galvanized Steel Tapered Octagonal Pole For Distribution | 10,187.44 | 906.00 |
| 26 05 46 00-0202 | EA | 50', Galvanized Steel Tapered Octagonal Pole For Distribution | 11,288.00 | 975.70 |
| 26 05 46 00-0203 | EA | 55', Galvanized Steel Tapered Octagonal Pole For Distribution | 12,392.63 | 1,184.77 |
| 26 05 46 00-0204 | EA | 60', Galvanized Steel Tapered Octagonal Pole For Distribution | 16,519.22 | 1,254.46 |
| 26 05 46 00-0205 | EA | 65', Galvanized Steel Tapered Octagonal Pole For Distribution | 18,304.96 | 1,601.53 |
| 26 05 46 00-0206 | EA | 70', Galvanized Steel Tapered Octagonal Pole For Distribution | 21,213.06 | 1,703.75 |
| 26 05 46 00-0207 | EA | 75', Galvanized Steel Tapered Octagonal Pole For Distribution | 22,811.59 | 2,044.50 |
| 26 05 46 00-0208 | EA | 80', Galvanized Steel Tapered Octagonal Pole For Distribution | 24,500.04 | 2,180.81 |
| 26 05 46 00-0209 | EA | 85', Galvanized Steel Tapered Octagonal Pole For Distribution | 25,955.81 | 2,453.40 |
| 26 05 46 00-0210 | EA | 90', Galvanized Steel Tapered Octagonal Pole For Distribution | 29,476.42 | 2,589.71 |
| 26 05 46 00-0211 | EA | 95', Galvanized Steel Tapered Octagonal Pole For Distribution | 31,270.37 | 3,066.75 |
| 26 05 46 00-0212 | EA | 100', Galvanized Steel Tapered Octagonal Pole For Distribution | 33,393.59 | 3,271.21 |
| 26 05 46 00-0213 | EA | 105', Galvanized Steel Tapered Octagonal Pole For Distribution | 35,669.61 | 3,680.11 |
| **26 05 46 00-0214** | | **Removal And Relocation Of Steel Service Poles** *(26 05 46 00-0118)* | | |
| 26 05 46 00-0215 | LF | Removal And Relocation Of Steel Service Poles With Arms Up To 60' | 48.78 | |
| **26 05 46 00-0216** | | **Special Steel Bases For Poles** *(26 05 46 00-0118)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 46 00-0217 | EA | Spin-In Steel Base For Poles | 306.15 | |
| 26 05 46 00-0218 | EA | Series 3, 25' Pole And less | 341.34 | 69.69 |
| 26 05 46 00-0219 | EA | Series 4, 40' Pole And less | 407.11 | 80.15 |
| 26 05 46 00-0220 | EA | Series 5, 50' Pole And less | 465.93 | 87.12 |

## 26 05 53 Identification for Electrical Systems *(26 05)*

### 26 05 53 00-0001 Conduit Markers Pressure-Sensitive *(26 05 53)*

Note: Stick-on, includes arrow tape.

| | | | | |
|---|---|---|---|---|
| 26 05 53 00-0002 | EA | 1/2" Outside Diameter Pressure Sensitive Marker Stick-on | 13.95 | |
| 26 05 53 00-0003 | EA | 3/4" Outside Diameter Pressure Sensitive Marker Stick-on | 14.58 | |
| 26 05 53 00-0004 | EA | 1" Outside Diameter Pressure Sensitive Marker Stick-on | 15.85 | |
| 26 05 53 00-0005 | EA | 1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on | 16.10 | |
| 26 05 53 00-0006 | EA | 1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on | 16.35 | |
| 26 05 53 00-0007 | EA | 2" Outside Diameter Pressure Sensitive Marker Stick-on | 16.73 | |
| 26 05 53 00-0008 | EA | 2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on | 19.51 | |
| 26 05 53 00-0009 | EA | 3" Outside Diameter Pressure Sensitive Marker Stick-on | 20.01 | |
| 26 05 53 00-0010 | EA | 3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on | 20.38 | |
| 26 05 53 00-0011 | EA | 4" Outside Diameter Pressure Sensitive Marker Stick-on | 20.78 | |
| 26 05 53 00-0012 | EA | 4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on | 21.56 | |
| 26 05 53 00-0013 | EA | 5" Outside Diameter Pressure Sensitive Marker Stick-on | 22.41 | |
| 26 05 53 00-0014 | EA | 6" Outside Diameter Pressure Sensitive Marker Stick-on | 23.15 | |
| 26 05 53 00-0015 | EA | 7" Outside Diameter Pressure Sensitive Marker Stick-on | 23.90 | |
| 26 05 53 00-0016 | EA | 8" Outside Diameter Pressure Sensitive Marker Stick-on | 26.16 | |
| 26 05 53 00-0017 | EA | 10" Outside Diameter Pressure Sensitive Marker Stick-on | 27.55 | |

### 26 05 53 00-0018 Labeling Existing Electrical Wires *(26 05 53)*

Note: Self-adhesive vinyl coated white cloth

| | | | | |
|---|---|---|---|---|
| 26 05 53 00-0019 | EA | Labeling Existing Wire | 3.87 | |

### 26 05 53 00-0020 Equipment Labeling *(26 05 53)*

| | | | | |
|---|---|---|---|---|
| 26 05 53 00-0021 | EA | Label Both Ends Of One 4 Pair Cable | 24.81 | |
| 26 05 53 00-0022 | EA | Label single gang face plate (2 labels required) | 19.85 | |
| 26 05 53 00-0023 | EA | Label two gang face plate (4 labels required) | 29.78 | |
| 26 05 53 00-0024 | EA | Label both ends of a Siamese (dual 4 Pair cable) | 24.81 | |

## 26 05 83 Wiring Connections *(26 05)*

### 26 05 83 00-0001 Motor/Equipment Connections And Terminations *(26 05 83)*

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.

### 26 05 83 00-0002 AC Single Phase, 230 Volt *(26 05 83 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 05 83 00-0003 | EA | <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 76.46 | 31.52 |
| 26 05 83 00-0004 | EA | 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 76.01 | 31.52 |
| 26 05 83 00-0005 | EA | 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 89.16 | 37.82 |
| 26 05 83 00-0006 | EA | 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 109.06 | 47.27 |
| 26 05 83 00-0007 | EA | 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 109.97 | 47.27 |
| 26 05 83 00-0008 | EA | 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 110.15 | 47.27 |
| 26 05 83 00-0009 | EA | 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 113.12 | 47.27 |
| 26 05 83 00-0010 | EA | 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 145.00 | 63.03 |
| 26 05 83 00-0011 | EA | 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 148.34 | 63.03 |
| 26 05 83 00-0012 | EA | 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 187.33 | 78.79 |

### 26 05 83 00-0013 AC Three Phase, 230 Volt *(26 05 83 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 05 83 00-0014 | EA | 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 76.01 | 31.52 |
| 26 05 83 00-0015 | EA | 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 89.16 | 37.82 |
| 26 05 83 00-0016 | EA | 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 109.06 | 47.27 |
| 26 05 83 00-0017 | EA | 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 109.97 | 47.27 |
| 26 05 83 00-0018 | EA | 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 110.15 | 47.27 |
| 26 05 83 00-0019 | EA | 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 113.12 | 47.27 |
| 26 05 83 00-0020 | EA | 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 145.00 | 63.03 |
| 26 05 83 00-0021 | EA | 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 148.34 | 63.03 |
| 26 05 83 00-0022 | EA | 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 187.33 | 78.79 |
| 26 05 83 00-0023 | EA | 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 191.84 | 78.79 |
| 26 05 83 00-0024 | EA | 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 241.12 | 94.55 |
| 26 05 83 00-0025 | EA | 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 247.98 | 94.55 |
| 26 05 83 00-0026 | EA | 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 337.78 | 126.07 |
| 26 05 83 00-0027 | EA | 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 423.35 | 157.58 |
| 26 05 83 00-0028 | EA | 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 499.55 | 189.10 |
| 26 05 83 00-0029 | EA | 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 593.77 | 220.62 |
| 26 05 83 00-0030 | EA | 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 682.23 | 252.14 |
| 26 05 83 00-0031 | EA | 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 847.15 | 315.17 |
| 26 05 83 00-0032 | EA | 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 1,001.02 | 375.05 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 83 00-0033 | EA | 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 1,184.29 | 437.45 |
| 26 05 83 00-0034 | EA | 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 1,693.90 | 656.05 |
| **26 05 83 00-0035** | | **AC Three Phase, 460 Volt** *(26 05 83 00-0001)* | | |
| 26 05 83 00-0036 | EA | 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 76.01 | 31.52 |
| 26 05 83 00-0037 | EA | 3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 89.16 | 37.82 |
| 26 05 83 00-0038 | EA | 1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 109.06 | 47.27 |
| 26 05 83 00-0039 | EA | 1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 109.97 | 47.27 |
| 26 05 83 00-0040 | EA | 2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 110.15 | 47.27 |
| 26 05 83 00-0041 | EA | 3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 113.12 | 47.27 |
| 26 05 83 00-0042 | EA | 5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 145.00 | 63.03 |
| 26 05 83 00-0043 | EA | 7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 148.34 | 63.03 |
| 26 05 83 00-0044 | EA | 10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 187.33 | 78.79 |
| 26 05 83 00-0045 | EA | 15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 191.84 | 78.79 |
| 26 05 83 00-0046 | EA | 20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 241.13 | 94.55 |
| 26 05 83 00-0047 | EA | 25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 247.97 | 94.55 |
| 26 05 83 00-0048 | EA | 30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 337.78 | 126.07 |
| 26 05 83 00-0049 | EA | 40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 423.73 | 157.84 |
| 26 05 83 00-0050 | EA | 50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 499.55 | 189.10 |
| 26 05 83 00-0051 | EA | 60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 593.77 | 220.62 |
| 26 05 83 00-0052 | EA | 75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 682.23 | 252.14 |
| 26 05 83 00-0053 | EA | 100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 847.15 | 315.17 |
| 26 05 83 00-0054 | EA | 125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 1,001.38 | 375.18 |
| 26 05 83 00-0055 | EA | 150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 1,184.78 | 437.71 |
| 26 05 83 00-0056 | EA | 200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 1,694.99 | 656.56 |
| **26 05 83 00-0057** | | **AC Single Phase, 120 Volt** *(26 05 83 00-0001)* | | |
| 26 05 83 00-0058 | EA | 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing | 76.46 | 31.52 |
| **26 05 83 00-0059** | | **Motor Moisture Sensor** *(26 05 83 00-0001)* | | |
| 26 05 83 00-0060 | EA | Motor Moisture Sensor Located In Winding | 791.68 | |
| **26 05 83 00-0061** | | **Tape Wrapped Compression Connectors** *(26 05 83)* | | |
| 26 05 83 00-0062 | EA | #6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 17.01 | 5.67 |
| 26 05 83 00-0063 | EA | #4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 18.66 | 6.30 |
| 26 05 83 00-0064 | EA | #2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 20.22 | 6.93 |
| 26 05 83 00-0065 | EA | 1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 23.43 | 7.57 |
| 26 05 83 00-0066 | EA | 2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 25.21 | 8.20 |
| 26 05 83 00-0067 | EA | 3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 27.97 | 8.83 |
| 26 05 83 00-0068 | EA | 4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 29.98 | 9.46 |
| 26 05 83 00-0069 | EA | 250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 32.66 | 10.08 |
| 26 05 83 00-0070 | EA | 300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 36.15 | 11.34 |
| 26 05 83 00-0071 | EA | 350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 37.91 | 11.98 |
| 26 05 83 00-0072 | EA | 400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 42.24 | 12.61 |
| 26 05 83 00-0073 | EA | 500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 46.02 | 13.24 |
| 26 05 83 00-0074 | EA | 750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 51.45 | 14.50 |
| 26 05 83 00-0075 | EA | 1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt | 59.73 | 16.38 |
| **26 05 83 00-0076** | | **One Hole Compression Lugs** *(26 05 83)* | | |
| 26 05 83 00-0077 | EA | #22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug | 21.87 | 16.38 |
| 26 05 83 00-0078 | EA | #16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug | 22.04 | 16.38 |
| 26 05 83 00-0079 | EA | #12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug | 24.94 | 17.65 |
| 26 05 83 00-0080 | EA | #8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug | 31.01 | 19.54 |
| 26 05 83 00-0081 | EA | #6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug | 43.47 | 25.21 |
| 26 05 83 00-0082 | EA | #4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug | 50.81 | 25.21 |
| 26 05 83 00-0083 | EA | #2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug | 58.47 | 25.21 |
| 26 05 83 00-0084 | EA | 1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug | 71.92 | 37.82 |
| 26 05 83 00-0085 | EA | 2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug | 84.21 | 37.82 |
| 26 05 83 00-0086 | EA | 3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug | 98.51 | 37.82 |
| 26 05 83 00-0087 | EA | 4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug | 118.74 | 50.43 |
| 26 05 83 00-0088 | EA | 250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug | 140.80 | 75.64 |
| 26 05 83 00-0089 | EA | 300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug | 161.08 | 75.64 |
| 26 05 83 00-0090 | EA | 350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug | 173.10 | 75.64 |
| 26 05 83 00-0091 | EA | 400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug | 188.60 | 88.25 |
| 26 05 83 00-0092 | EA | 500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug | 206.25 | 88.25 |
| 26 05 83 00-0093 | EA | 750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug | 224.09 | 100.85 |
| 26 05 83 00-0094 | EA | 1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug | 263.92 | 113.46 |
| **26 05 83 00-0095** | | **Two Hole Compression Lugs** *(26 05 83)* | | |
| 26 05 83 00-0096 | EA | #8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug | 44.73 | 21.44 |
| 26 05 83 00-0097 | EA | #6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug | 48.06 | 22.82 |
| 26 05 83 00-0098 | EA | #4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug | 50.61 | 22.82 |
| 26 05 83 00-0099 | EA | #2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug | 58.25 | 26.23 |
| 26 05 83 00-0100 | EA | 1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug | 71.69 | 32.78 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 83 00-0101 | EA | 2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug | 83.97 | 38.95 |
| 26 05 83 00-0102 | EA | 3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug | 98.24 | 45.64 |
| 26 05 83 00-0103 | EA | 4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug | 118.43 | 55.35 |
| 26 05 83 00-0104 | EA | 250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug | 140.44 | 65.68 |
| 26 05 83 00-0105 | EA | 300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug | 160.67 | 75.01 |
| 26 05 83 00-0106 | EA | 350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug | 172.66 | 80.81 |
| 26 05 83 00-0107 | EA | 400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug | 188.09 | 87.49 |
| 26 05 83 00-0108 | EA | 500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug | 205.67 | 95.56 |
| 26 05 83 00-0109 | EA | 750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug | 224.87 | 103.63 |
| 26 05 83 00-0110 | EA | 1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug | 278.73 | 126.07 |

## 26 05 83 00-0111 Tape Wrapped Split Bolt Connectors *(26 05 83)*

| | | | | |
|---|---|---|---|---|
| 26 05 83 00-0112 | EA | #8 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 66.57 | 50.43 |
| 26 05 83 00-0113 | EA | #6 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 73.20 | 54.21 |
| 26 05 83 00-0114 | EA | #4 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 83.47 | 56.73 |
| 26 05 83 00-0115 | EA | #2 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 97.03 | 63.03 |
| 26 05 83 00-0116 | EA | 1/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 114.66 | 69.34 |
| 26 05 83 00-0117 | EA | 2/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 128.95 | 75.64 |
| 26 05 83 00-0118 | EA | 3/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 161.32 | 81.94 |
| 26 05 83 00-0119 | EA | 4/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 173.10 | 88.25 |
| 26 05 83 00-0120 | EA | 250 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 182.49 | 94.55 |
| 26 05 83 00-0121 | EA | 300 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 208.78 | 104.00 |
| 26 05 83 00-0122 | EA | 350 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 235.07 | 151.28 |
| 26 05 83 00-0123 | EA | 400 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 257.68 | 126.07 |
| 26 05 83 00-0124 | EA | 500 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 280.30 | 170.19 |
| 26 05 83 00-0125 | EA | 750 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 312.03 | 176.50 |
| 26 05 83 00-0126 | EA | 1,000 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt | 354.45 | 189.10 |

## 26 05 83 00-0127 Cable Termination Lugs Handwrapped, No Stress Cone *(26 05 83)*

| | | | | |
|---|---|---|---|---|
| 26 05 83 00-0128 | EA | #8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt | 111.47 | 50.43 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *26.47* | |
| 26 05 83 00-0129 | EA | #4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt | 123.86 | 50.43 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.02* | |
| 26 05 83 00-0130 | EA | 1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt | 171.35 | 75.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *42.02* | |
| 26 05 83 00-0131 | EA | 4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt | 194.30 | 75.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *48.49* | |
| 26 05 83 00-0132 | EA | 300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt | 232.71 | 94.55 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *57.31* | |
| 26 05 83 00-0133 | EA | 500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt | 325.57 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *78.79* | |

## 26 05 83 00-0134 Terminal Blocks *(26 05 83)*

Note: Labor excludes wire termination.

| | | | | |
|---|---|---|---|---|
| 26 05 83 00-0135 | EA | Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt | 1,123.68 | 466.45 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *280.15* | |
| 26 05 83 00-0136 | EA | #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block | 298.54 | 63.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *38.25* | |
| 26 05 83 00-0137 | EA | #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block | 330.49 | 63.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *38.66* | |

## 26 05 83 00-0138 Parallel Gutter Tap Or Motor Connection *(26 05 83)*

| | | | | |
|---|---|---|---|---|
| 26 05 83 00-0139 | EA | #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 44.72 | 22.82 |
| 26 05 83 00-0140 | EA | #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 48.06 | 22.82 |
| 26 05 83 00-0141 | EA | #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 50.61 | 22.82 |
| 26 05 83 00-0142 | EA | #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 58.25 | 26.23 |
| 26 05 83 00-0143 | EA | 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 71.69 | 32.78 |
| 26 05 83 00-0144 | EA | 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 83.97 | 38.95 |
| 26 05 83 00-0145 | EA | 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 98.24 | 45.64 |
| 26 05 83 00-0146 | EA | 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 118.43 | 55.35 |
| 26 05 83 00-0147 | EA | 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 140.44 | 65.68 |
| 26 05 83 00-0148 | EA | 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 160.67 | 75.01 |
| 26 05 83 00-0149 | EA | 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 172.66 | 80.81 |
| 26 05 83 00-0150 | EA | 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 188.09 | 87.49 |
| 26 05 83 00-0151 | EA | 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 205.67 | 95.56 |
| 26 05 83 00-0152 | EA | 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap | 206.19 | 95.56 |
| 26 05 83 00-0153 | EA | #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover | 44.72 | 22.82 |
| 26 05 83 00-0154 | EA | #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover | 48.06 | 22.82 |
| 26 05 83 00-0155 | EA | #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover | 50.61 | 22.82 |
| 26 05 83 00-0156 | EA | #2 AWG Parallel Gutter Tap, Versitap, Insulating Cover | 58.25 | 26.23 |
| 26 05 83 00-0157 | EA | 1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover | 71.69 | 32.78 |
| 26 05 83 00-0158 | EA | 2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover | 83.97 | 38.95 |
| 26 05 83 00-0159 | EA | 3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover | 98.24 | 45.64 |
| 26 05 83 00-0160 | EA | 4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover | 118.43 | 55.35 |
| 26 05 83 00-0161 | EA | 250 MCM Parallel Gutter Tap, Versitap, Insulating Cover | 140.44 | 65.68 |
| 26 05 83 00-0162 | EA | 300 MCM Parallel Gutter Tap, Versitap, Insulating Cover | 160.67 | 75.01 |
| 26 05 83 00-0163 | EA | 350 MCM Parallel Gutter Tap, Versitap, Insulating Cover | 172.66 | 80.81 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 05 83 00-0164 | EA | 400 MCM Parallel Gutter Tap, Versitap, Insulating Cover | 188.09 | 87.49 |
| 26 05 83 00-0165 | EA | 500 MCM Parallel Gutter Tap, Versitap, Insulating Cover | 205.67 | 95.56 |
| 26 05 83 00-0166 | EA | 750 MCM Parallel Gutter Tap, Versitap, Insulating Cover | 206.19 | 95.56 |
| **26 05 83 00-0167** | | **Copper Mechanical Lugs** *(26 05 83)* | | |
| 26 05 83 00-0168 | EA | #8 Copper Mechanical Lugs | 35.71 | 15.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 05 83 00-0169 | EA | #6 Copper Mechanical Lugs | 42.86 | 19.04 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.42* | |
| 26 05 83 00-0170 | EA | #4 Copper Mechanical Lugs | 49.52 | 22.06 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.24* | |
| 26 05 83 00-0171 | EA | #2 Copper Mechanical Lugs | 64.78 | 28.11 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.88* | |
| 26 05 83 00-0172 | EA | 1/0 Copper Mechanical Lugs | 87.23 | 37.82 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 05 83 00-0173 | EA | 2/0 Copper Mechanical Lugs | 103.94 | 43.87 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *26.36* | |
| 26 05 83 00-0174 | EA | 3/0 Copper Mechanical Lugs | 121.51 | 50.43 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 05 83 00-0175 | EA | 4/0 Copper Mechanical Lugs | 138.28 | 56.60 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *33.93* | |
| 26 05 83 00-0176 | EA | 250 MCM Copper Mechanical Lugs | 158.27 | 63.03 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 05 83 00-0177 | EA | 300 MCM Copper Mechanical Lugs | 177.96 | 69.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.62* | |
| 26 05 83 00-0178 | EA | 350 MCM Copper Mechanical Lugs | 197.56 | 75.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *45.38* | |
| 26 05 83 00-0179 | EA | 400 MCM Copper Mechanical Lugs | 217.03 | 81.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *49.13* | |
| 26 05 83 00-0180 | EA | 500 MCM Copper Mechanical Lugs | 236.82 | 88.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *52.95* | |
| 26 05 83 00-0181 | EA | 750 MCM Copper Mechanical Lugs | 268.43 | 100.47 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *60.32* | |
| 26 05 83 00-0182 | EA | 1,000 MCM Copper Mechanical Lugs | 303.88 | 113.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |
| **26 05 83 00-0183** | | **Gel Connectors** *(26 05 83)* | | |
| 26 05 83 00-0184 | EA | 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit<br>Note: Kit contains connector, gel filled cap and cap clamp. | 69.58 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.79* | |
| 26 05 83 00-0185 | EA | 4 Port, #14 to 2, Gel Tap Splice Kit | 67.10 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.55* | |
| **26 05 83 00-0186** | | **Other Connections** *(26 05 83)* | | |
| 26 05 83 00-0187 | EA | #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape | 12.59 | 5.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.46* | |
| 26 05 83 00-0188 | EA | #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape | 12.70 | 5.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.46* | |
| 26 05 83 00-0189 | EA | #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape | 12.81 | 5.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.46* | |

# 26 09 Instrumentation and Control for Electrical Systems *(26)*

Note: Includes testing of new devices and certification.

## 26 09 13 Electrical Power Monitoring *(26 09)*

| | | | | |
|---|---|---|---|---|
| **26 09 13 00-0001** | | **Vending Machine Energy Usage Controls** *(26 09 13)* | | |
| 26 09 13 00-0002 | EA | Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser VM150) | 441.48 | 12.63 |
| 26 09 13 00-0003 | EA | Wallmount VendingMiser® With 14' Data Cable (Energy Miser VM151) | 392.52 | 6.31 |
| 26 09 13 00-0004 | EA | Weatherproof Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser VM151) | 463.22 | 12.63 |
| 26 09 13 00-0005 | EA | Weatherproof Wallmount VendingMiser® With 14' Data Cable (Energy Miser VM161) | 414.26 | 6.31 |
| 26 09 13 00-0006 | EA | Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser VM170) | 428.86 | 10.10 |
| 26 09 13 00-0007 | EA | Velcro Mounted Easy-Install VendingMiser® With 14' Data Cable (Energy Miser VM171) | 386.20 | 5.05 |
| 26 09 13 00-0008 | EA | Weatherproof Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser VM180) | 450.60 | 10.10 |
| 26 09 13 00-0009 | EA | Weatherproof Velcro Mounted Easy-Install VendingMiser® With 14' Data Cable (Energy Miser VM181) | 407.94 | 5.05 |
| 26 09 13 00-0010 | EA | Wallmount CoolerMiser With PIR Occupany Sensor (Energy Miser CM150) | 400.16 | 12.63 |
| 26 09 13 00-0011 | EA | Wallmount CoolerMiser With 14' Data Cable (Energy Miser CM151) | 351.21 | 6.31 |
| 26 09 13 00-0012 | EA | Velcro Mounted Easy-Install CoolerMiser With PIR Occupany Sensor (Energy Miser CM170) | 387.54 | 10.10 |
| 26 09 13 00-0013 | EA | Velcro Mounted Easy-Install CoolerMiser With 14' Data Cable (Energy Miser CM171) | 344.89 | 5.05 |
| 26 09 13 00-0014 | EA | Wallmount SnackMiser With PIR Occupany Sensor (Energy Miser SM150) | 400.16 | 12.63 |
| 26 09 13 00-0015 | EA | Wallmount SnackMiser With 14' Data Cable (Energy Miser SM151) | 351.21 | 6.31 |
| 26 09 13 00-0016 | EA | Velcro Mounted Easy-Install SnackMiser With PIR Occupany Sensor (Energy Miser SM170) | 387.54 | 10.10 |
| 26 09 13 00-0017 | EA | Velcro Mounted Easy-Install SnackMiser With 14' Data Cable (Energy Miser SM171) | 344.89 | 5.05 |
| 26 09 13 00-0018 | EA | 1200 Watt, Multi Plug Load, Wallmount PlugMiser With PIR Occupany Sensor (Energy Miser PM150) | 400.16 | 12.63 |
| 26 09 13 00-0019 | EA | 1200 Watt, Multi Plug Load, Wallmount PlugMiser With 14' Data Cable (Energy Miser PM151) | 351.21 | 6.31 |
| 26 09 13 00-0020 | EA | 1200 Watt, Multi Plug Load, Table Leg Mount PlugMiser With PIR Occupany Sensor (Energy Miser PM190) | 400.16 | 12.63 |
| 26 09 13 00-0021 | EA | Wattsup Line Logger (Energy Miser 60500) | 301.27 | 18.94 |
| 26 09 13 00-0022 | EA | Wattsup Pro Line Logger (Energy Miser 60501) | 377.37 | 18.94 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 13 00-0023 | EA | Test Drive Kit And Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser TD150) | 722.06 | 25.25 |
| 26 09 13 00-0024 | EA | Test Drive Kit And Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser TD170) | 709.43 | 22.72 |

### 26 09 13 00-0025 Work Station Energy Usage Controls *(26 09 13)*

| | | | | |
|---|---|---|---|---|
| 26 09 13 00-0026 | EA | Power Strip With Personal Sensor (Wattstopper IDP-3050-A) | 190.61 | 12.63 |

## 26 09 23 Lighting Control Devices *(26 09)*

### 26 09 23 00-0001 Lighting Contactors *(26 09 23)*

Note: Up to 600 volt.

### 26 09 23 00-0002 Electrically Held, Lighting Contactors *(26 09 23 00-0001)*

### 26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

### 26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0005 | EA | 20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 559.44 | 100.85 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *60.51* | |
| 26 09 23 00-0006 | EA | 30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 694.76 | 113.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |
| 26 09 23 00-0007 | EA | 60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 1,311.27 | 176.50 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *105.90* | |
| 26 09 23 00-0008 | EA | 100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 2,052.60 | 239.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *143.72* | |
| 26 09 23 00-0009 | EA | 200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 4,330.77 | 315.17 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *189.10* | |

### 26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0011 | EA | 20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 631.92 | 113.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |
| 26 09 23 00-0012 | EA | 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 761.26 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| 26 09 23 00-0013 | EA | 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 1,416.74 | 201.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *121.03* | |
| 26 09 23 00-0014 | EA | 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 2,215.08 | 264.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *158.85* | |
| 26 09 23 00-0015 | EA | 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 4,646.40 | 346.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *208.01* | |

### 26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0017 | EA | 20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 746.31 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| 26 09 23 00-0018 | EA | 30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 899.49 | 138.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *83.21* | |
| 26 09 23 00-0019 | EA | 60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 1,718.77 | 226.92 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *136.15* | |
| 26 09 23 00-0020 | EA | 100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 2,657.66 | 289.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *173.97* | |
| 26 09 23 00-0021 | EA | 200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor | 5,950.78 | 378.20 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *226.92* | |

### 26 09 23 00-0022 NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

### 26 09 23 00-0023 2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0024 | EA | 30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor | 925.80 | 113.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |
| 26 09 23 00-0025 | EA | 60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor | 1,884.80 | 176.50 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *105.90* | |
| 26 09 23 00-0026 | EA | 100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor | 2,843.80 | 239.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *143.72* | |

### 26 09 23 00-0027 3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0028 | EA | 30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor | 1,332.84 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| 26 09 23 00-0029 | EA | 60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor | 2,066.03 | 201.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *121.03* | |
| 26 09 23 00-0030 | EA | 100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor | 3,133.91 | 264.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *158.85* | |
| 26 09 23 00-0031 | EA | 200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor | 7,298.40 | 346.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *208.01* | |

### 26 09 23 00-0032 4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0033 | EA | 30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor | 1,255.36 | 138.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *83.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0034 | EA | 60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor | 2,070.56 | 226.92 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *136.15* | |
| 26 09 23 00-0035 | EA | 100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor | 2,835.34 | 289.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *173.97* | |
| 26 09 23 00-0036 | | NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)* | | |
| 26 09 23 00-0037 | | 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)* | | |
| 26 09 23 00-0038 | EA | 20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 939.74 | 100.85 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *60.51* | |
| 26 09 23 00-0039 | EA | 30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 1,198.96 | 113.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |
| 26 09 23 00-0040 | EA | 60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 2,316.73 | 176.50 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *105.90* | |
| 26 09 23 00-0041 | EA | 100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 3,480.69 | 239.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *143.72* | |
| 26 09 23 00-0042 | EA | 200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 6,768.24 | 315.17 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *189.10* | |
| 26 09 23 00-0043 | | 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)* | | |
| 26 09 23 00-0044 | EA | 20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 972.47 | 113.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |
| 26 09 23 00-0045 | EA | 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 1,265.46 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| 26 09 23 00-0046 | EA | 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 2,425.14 | 201.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *121.03* | |
| 26 09 23 00-0047 | EA | 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 3,642.18 | 264.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *158.85* | |
| 26 09 23 00-0048 | EA | 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 7,082.88 | 346.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *208.01* | |
| 26 09 23 00-0049 | | 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)* | | |
| 26 09 23 00-0050 | EA | 20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 1,050.33 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| 26 09 23 00-0051 | EA | 30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 1,403.70 | 138.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *83.21* | |
| 26 09 23 00-0052 | EA | 60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 3,119.33 | 226.92 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *136.15* | |
| 26 09 23 00-0053 | EA | 100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 4,476.91 | 289.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *173.97* | |
| 26 09 23 00-0054 | EA | 200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor | 9,468.40 | 378.20 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *226.92* | |
| 26 09 23 00-0055 | | NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)* | | |
| 26 09 23 00-0056 | | 2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)* | | |
| 26 09 23 00-0057 | EA | 60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor | 2,834.90 | 176.50 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *105.90* | |
| 26 09 23 00-0058 | EA | 100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor | 4,024.64 | 239.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *143.72* | |
| 26 09 23 00-0059 | EA | 200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor | 3,759.62 | 315.17 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *189.10* | |
| 26 09 23 00-0060 | | 3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)* | | |
| 26 09 23 00-0061 | EA | 60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor | 3,027.60 | 201.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *121.03* | |
| 26 09 23 00-0062 | EA | 100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor | 4,278.32 | 264.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *158.85* | |
| 26 09 23 00-0063 | | 4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)* | | |
| 26 09 23 00-0064 | EA | 60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor | 1,544.05 | 226.92 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *136.15* | |
| 26 09 23 00-0065 | EA | 100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor | 2,137.36 | 289.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *173.97* | |
| 26 09 23 00-0066 | | Mechanically Held, Lighting Contactors *(26 09 23 00-0001)* | | |
| 26 09 23 00-0067 | | NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)* | | |
| 26 09 23 00-0068 | | 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)* | | |
| 26 09 23 00-0069 | EA | 20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 836.61 | 100.85 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *60.51* | |
| 26 09 23 00-0070 | EA | 30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 952.26 | 113.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0071 | EA | 60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 1,812.52 | 176.50 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *105.90* | |
| 26 09 23 00-0072 | EA | 100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 2,527.32 | 239.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *143.72* | |
| 26 09 23 00-0073 | EA | 200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 5,871.88 | 315.17 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *189.10* | |
| **26 09 23 00-0074** | | **3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0067)* | | |
| 26 09 23 00-0075 | EA | 20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 892.97 | 113.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |
| 26 09 23 00-0076 | EA | 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 1,020.73 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| 26 09 23 00-0077 | EA | 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 1,920.94 | 201.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *121.03* | |
| 26 09 23 00-0078 | EA | 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 2,690.78 | 264.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *158.85* | |
| 26 09 23 00-0079 | EA | 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 6,605.22 | 346.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *208.01* | |
| **26 09 23 00-0080** | | **4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0067)* | | |
| 26 09 23 00-0081 | EA | 20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 963.31 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| 26 09 23 00-0082 | EA | 30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 1,087.22 | 138.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *83.21* | |
| 26 09 23 00-0083 | EA | 60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 2,249.51 | 226.92 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *136.15* | |
| 26 09 23 00-0084 | EA | 100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 3,161.86 | 289.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *173.97* | |
| 26 09 23 00-0085 | EA | 200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor | 7,983.31 | 378.20 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *226.92* | |
| **26 09 23 00-0086** | | **NEMA 4 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0066)* | | |
| **26 09 23 00-0087** | | **2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0086)* | | |
| 26 09 23 00-0088 | EA | 20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 1,265.25 | 100.85 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *60.51* | |
| 26 09 23 00-0089 | EA | 30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 1,456.47 | 113.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |
| 26 09 23 00-0090 | EA | 60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 2,820.93 | 176.50 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *105.90* | |
| 26 09 23 00-0091 | EA | 100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 3,955.40 | 239.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *143.72* | |
| 26 09 23 00-0092 | EA | 200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 8,307.39 | 315.17 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *189.10* | |
| **26 09 23 00-0093** | | **3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0086)* | | |
| 26 09 23 00-0094 | EA | 20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 1,335.58 | 113.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |
| 26 09 23 00-0095 | EA | 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 1,524.93 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| 26 09 23 00-0096 | EA | 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 2,929.35 | 201.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *121.03* | |
| 26 09 23 00-0097 | EA | 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 4,119.84 | 264.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *158.85* | |
| 26 09 23 00-0098 | EA | 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 9,042.69 | 346.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *208.01* | |
| **26 09 23 00-0099** | | **4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0086)* | | |
| 26 09 23 00-0100 | EA | 20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 1,411.29 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| 26 09 23 00-0101 | EA | 30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 1,591.42 | 138.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *83.21* | |
| 26 09 23 00-0102 | EA | 60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 3,650.07 | 226.92 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *136.15* | |
| 26 09 23 00-0103 | EA | 100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 4,981.12 | 289.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *173.97* | |
| 26 09 23 00-0104 | EA | 200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor | 11,429.19 | 378.20 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *226.92* | |
| **26 09 23 00-0105** | | **NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0066)* | | |
| **26 09 23 00-0106** | | **2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0105)* | | |
| 26 09 23 00-0107 | EA | 30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor | 782.67 | 113.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0108 | EA | 60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor | 1,449.85 | 201.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *105.90* | |
| 26 09 23 00-0109 | EA | 100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor | 1,975.66 | 239.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *143.72* | |
| 26 09 23 00-0110 | EA | 200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor | 4,625.93 | 315.17 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *189.10* | |
| **26 09 23 00-0111** | | **3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0105)* | | |
| 26 09 23 00-0112 | EA | 30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor | 832.87 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| **26 09 23 00-0113** | | **4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0105)* | | |
| 26 09 23 00-0114 | EA | 200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor | 6,245.56 | 378.20 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *226.92* | |
| **26 09 23 00-0115** | | **Combination Lighting Contactors** *(26 09 23)* | | |
| | | Note: Up to 600 volt. | | |
| **26 09 23 00-0116** | | **Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0115)* | | |
| **26 09 23 00-0117** | | **NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0116)* | | |
| **26 09 23 00-0118** | | **3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0117)* | | |
| 26 09 23 00-0119 | EA | 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch | 1,626.31 | 138.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *83.21* | |
| 26 09 23 00-0120 | EA | 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch | 2,549.02 | 221.88 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *133.13* | |
| 26 09 23 00-0121 | EA | 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch | 4,129.54 | 291.22 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *174.73* | |
| 26 09 23 00-0122 | EA | 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch | 7,569.44 | 381.35 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *228.81* | |
| **26 09 23 00-0123** | | **NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0116)* | | |
| **26 09 23 00-0124** | | **3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0123)* | | |
| 26 09 23 00-0125 | EA | 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch | 2,969.38 | 138.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *83.21* | |
| 26 09 23 00-0126 | EA | 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch | 4,618.90 | 221.88 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *133.13* | |
| 26 09 23 00-0127 | EA | 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch | 7,741.52 | 291.22 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *174.73* | |
| 26 09 23 00-0128 | EA | 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch | 12,189.83 | 381.35 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *228.81* | |
| **26 09 23 00-0129** | | **Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0115)* | | |
| **26 09 23 00-0130** | | **NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0129)* | | |
| **26 09 23 00-0131** | | **3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0130)* | | |
| 26 09 23 00-0132 | EA | 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch | 1,779.64 | 138.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *83.21* | |
| 26 09 23 00-0133 | EA | 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch | 3,079.76 | 221.88 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *133.13* | |
| 26 09 23 00-0134 | EA | 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch | 4,632.27 | 291.22 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *174.73* | |
| 26 09 23 00-0135 | EA | 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch | 8,998.02 | 381.35 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *228.81* | |
| **26 09 23 00-0136** | | **NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0129)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0137 | | 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0136)* | | |
| 26 09 23 00-0138 | EA | 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch | 3,124.18 | 138.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *83.21* | |
| 26 09 23 00-0139 | EA | 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch | 5,152.59 | 221.88 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *133.13* | |
| 26 09 23 00-0140 | EA | 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch | 8,245.72 | 291.22 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *174.73* | |
| 26 09 23 00-0141 | EA | 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch | 13,618.40 | 381.35 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *228.81* | |
| 26 09 23 00-0142 | | Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket *(26 09 23)* | | |
| 26 09 23 00-0143 | EA | 105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket | 146.68 | 32.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.70* | |
| 26 09 23 00-0144 | EA | 105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket | 160.11 | 32.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.70* | |
| 26 09 23 00-0145 | | Dimming Module System (Lutron Grafik Eye) *(26 09 23)* | | |
| 26 09 23 00-0146 | EA | 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2) | 1,802.35 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| 26 09 23 00-0147 | EA | 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4) | 2,328.85 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| 26 09 23 00-0148 | EA | 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6) | 2,864.74 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *75.64* | |
| 26 09 23 00-0149 | | Dimming Module Contol (Leviton) *(26 09 23)* | | |
| 26 09 23 00-0150 | EA | 5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0) | 233.20 | 15.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.47* | |
| 26 09 23 00-0151 | | Light Control Panels *(26 09 23)* | | |
| 26 09 23 00-0152 | | Lighting Control Panels (Watt Stopper) *(26 09 23 00-0151)* | | |
| 26 09 23 00-0153 | | Lighting Control Panels (Watt Stopper) *(26 09 23 00-0152)* | | |
| 26 09 23 00-0154 | EA | 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) | 2,111.49 | 176.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *106.06* | |
| 26 09 23 00-0155 | EA | 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) | 1,976.83 | 189.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *113.64* | |
| 26 09 23 00-0156 | EA | 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) | 2,226.65 | 189.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *113.64* | |
| 26 09 23 00-0157 | EA | 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8) | 3,344.62 | 189.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *113.64* | |
| 26 09 23 00-0158 | EA | 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) | 3,637.91 | 189.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *113.64* | |
| 26 09 23 00-0159 | EA | 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) | 2,351.75 | 176.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *106.06* | |
| 26 09 23 00-0160 | EA | 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) | 2,523.52 | 189.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *113.64* | |
| 26 09 23 00-0161 | EA | 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) | 2,816.52 | 189.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *113.64* | |
| 26 09 23 00-0162 | EA | 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8) | 3,461.83 | 189.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *113.64* | |
| 26 09 23 00-0163 | EA | 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G) | 3,755.11 | 189.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *113.64* | |
| 26 09 23 00-0164 | | Accessories For Lighting Control Panels (Watt Stopper) *(26 09 23 00-0152)* | | |
| 26 09 23 00-0165 | EA | Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) | 202.41 | 31.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.94* | |
| 26 09 23 00-0166 | EA | Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) | 155.64 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0167 | EA | Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2) | 80.27 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0168 | | Lighting Control Panels (Synergy) *(26 09 23 00-0151)* | | |
| 26 09 23 00-0169 | | Lighting Control Panels (Synergy) *(26 09 23 00-0168)* | | |
| 26 09 23 00-0170 | EA | 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) | 2,860.24 | 189.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *113.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 09 23 00-0171** | | **Accessories For Lighting Control Panels (Synergy)** *(26 09 23 00-0168)* | | |
| 26 09 23 00-0172 | EA | Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL) | 701.59 | 31.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.94* | |
| 26 09 23 00-0173 | EA | Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20) | 271.74 | 12.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0174 | EA | Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT) | 153.88 | 18.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.36* | |
| **26 09 23 00-0175** | | **Lighting Switching Panels (Lutron)** *(26 09 23 00-0151)* | | |
| **26 09 23 00-0176** | | **Lighting Switching Panels (Lutron)** *(26 09 23 00-0175)* | | |
| 26 09 23 00-0177 | EA | 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT) | 2,327.38 | 189.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *113.64* | |
| 26 09 23 00-0178 | EA | 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT) | 3,191.22 | 202.03 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *121.22* | |
| 26 09 23 00-0179 | EA | 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT) | 4,179.05 | 214.65 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *128.79* | |
| **26 09 23 00-0180** | | **Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera)** *(26 09 23 00-0151)* | | |
| 26 09 23 00-0181 | EA | 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z) | 1,556.36 | 176.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *106.06* | |
| 26 09 23 00-0182 | EA | 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z) | 1,775.05 | 176.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *106.06* | |
| 26 09 23 00-0183 | EA | 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z) | 1,993.74 | 176.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *106.06* | |
| **26 09 23 00-0184** | | **Power Filters** *(26 09 23 00-0151)* | | |
| 26 09 23 00-0185 | EA | 600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure | 42,304.43 | 1,050.52 |
| 26 09 23 00-0186 | EA | 200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure | 25,035.51 | 456.74 |
| **26 09 23 00-0187** | | **Signal Filters** *(26 09 23 00-0151)* | | |
| 26 09 23 00-0188 | EA | 0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case | 19,331.54 | 955.09 |
| 26 09 23 00-0189 | EA | 0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case | 13,228.28 | 583.69 |
| 26 09 23 00-0190 | EA | 0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case | 7,378.33 | 338.87 |
| 26 09 23 00-0191 | EA | 5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case | 10,058.55 | 338.87 |
| **26 09 23 00-0192** | | **Lighting Control Devices (Encelium)** *(26 09 23)* | | |
| 26 09 23 00-0193 | EA | 8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D)<br>Note: Excludes GB II cable. | 16,558.83 | 126.27 |
| 26 09 23 00-0194 | EA | Server, System Support Unit (SSU) (Encelium EN-SSU-1U)<br>Note: Excludes GB II and Ethernet cable. | 7,567.64 | 126.27 |
| 26 09 23 00-0195 | EA | Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT)<br>Note: Excludes GB II and Ethernet cable. | 3,936.52 | 126.27 |
| 26 09 23 00-0196 | EA | Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT)<br>Note: Excludes GB II and Ethernet cable. | 16,656.25 | 126.27 |
| 26 09 23 00-0197 | EA | Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK)<br>Note: Excludes GB II cable. | 130.48 | 15.78 |
| 26 09 23 00-0198 | EA | Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR)<br>Note: Excludes GB II cable. | 202.42 | 15.78 |
| 26 09 23 00-0199 | EA | Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK)<br>Note: Excludes GB II cable. | 254.31 | 31.57 |
| 26 09 23 00-0200 | EA | Damp Rated, Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR)<br>Note: Excludes GB II cable. | 307.19 | 31.57 |
| 26 09 23 00-0201 | EA | Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK)<br>Note: Excludes GB II cable. | 162.04 | 31.57 |
| 26 09 23 00-0202 | EA | Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR)<br>Note: Excludes GB II cable. | 233.98 | 31.57 |
| 26 09 23 00-0203 | EA | 16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700)<br>Note: Excludes cable. | 589.98 | 63.13 |
| 26 09 23 00-0204 | EA | Rack Mounted, Wired Power Bar (Encelium PWR-700) | 442.19 | 63.13 |
| 26 09 23 00-0205 | EA | Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800) | 813.72 | 63.13 |
| 26 09 23 00-0206 | EA | Wall Mounted, 4U Mounting Rack (Encelium RCK-700) | 275.17 | 63.13 |
| 26 09 23 00-0207 | EA | 4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042)<br>Note: Excludes cable. | 912.69 | 63.13 |
| 26 09 23 00-0208 | EA | Wired BACnet Interface (Encelium BIF-600)<br>Note: Excludes cable. | 9,593.67 | 252.53 |
| 26 09 23 00-0209 | EA | Wired AV Interface (Encelium EN-SW-AVINT)<br>Note: Excludes cable. | 7,109.17 | 63.13 |
| 26 09 23 00-0210 | EA | Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH)<br>Note: Includes white finish. Excludes GB II cable. | 265.47 | 15.78 |
| 26 09 23 00-0211 | EA | 3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH)<br>Note: Includes white finish. Excludes GB II cable. | 323.91 | 15.78 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0212 | EA | 3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH)<br>Note: Includes white finish. Excludes GB II cable. | 309.81 | 15.78 |
| 26 09 23 00-0213 | EA | 5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH)<br>Note: Includes white finish. Excludes GB II cable. | 323.91 | 15.78 |
| 26 09 23 00-0214 | EA | 6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH)<br>Note: Includes white finish. Excludes GB II cable. | 309.81 | 15.78 |
| 26 09 23 00-0215 | EA | Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT)<br>Note: Includes white finish. Excludes GB II cable. | 233.87 | 15.78 |
| 26 09 23 00-0216 | EA | Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT)<br>Note: Includes white finish. Excludes GB II cable. | 323.91 | 15.78 |
| 26 09 23 00-0217 | EA | 3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT)<br>Note: Includes white finish. Excludes GB II cable. | 309.81 | 15.78 |
| 26 09 23 00-0218 | EA | Wired Key Switch Controller (Encelium KSW-300)<br>Note: Excludes GB II cable. | 228.19 | 15.78 |
| 26 09 23 00-0219 | EA | Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH)<br>Note: Includes white finish. | 96.66 | 15.78 |
| 26 09 23 00-0220 | EA | 1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2) | 77.92 | 31.57 |
| 26 09 23 00-0221 | EA | 1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2) | 78.54 | 31.57 |
| 26 09 23 00-0222 | EA | 5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2) | 83.52 | 31.57 |
| 26 09 23 00-0223 | EA | 10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2) | 88.44 | 31.57 |
| 26 09 23 00-0224 | EA | 15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2) | 94.31 | 31.57 |
| 26 09 23 00-0225 | EA | 20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2) | 99.60 | 31.57 |
| 26 09 23 00-0226 | EA | 25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2) | 106.10 | 31.57 |
| 26 09 23 00-0227 | EA | 50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2) | 135.49 | 31.57 |
| 26 09 23 00-0228 | EA | 1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2) | 878.34 | 31.57 |
| 26 09 23 00-0229 | EA | Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2) | 212.28 | 31.57 |
| 26 09 23 00-0230 | EA | 1,000' Box, Category 5, Network Cable (Encelium NWC-400-B) | 1,134.29 | 31.57 |
| 26 09 23 00-0231 | EA | Indoor Wired Photo Sensor (Encelium PHS-700)<br>Note: Excludes GB II cable. | 661.86 | 63.13 |
| 26 09 23 00-0232 | EA | Outdoor Wired Photo Sensor (Encelium PHS-800)<br>Note: Excludes GB II cable. | 661.86 | 63.13 |
| 26 09 23 00-0233 | EA | Skylight Wired Photo Sensor (Encelium PHS-900)<br>Note: Excludes GB II cable. | 661.86 | 63.13 |
| 26 09 23 00-0234 | EA | 450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450)<br>Note: Excludes GB II cable. | 343.38 | 63.13 |
| 26 09 23 00-0235 | EA | 1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500)<br>Note: Excludes GB II cable. | 332.70 | 63.13 |
| 26 09 23 00-0236 | EA | 2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00)<br>Note: Excludes GB II cable. | 339.82 | 63.13 |
| 26 09 23 00-0237 | EA | High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY)<br>Note: Excludes GB II cable. | 375.41 | 63.13 |
| 26 09 23 00-0238 | EA | Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG)<br>Note: Excludes GB II cable. | 339.82 | 63.13 |
| 26 09 23 00-0239 | EA | 120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV)<br>Note: Excludes GB II cable. | 268.65 | 63.13 |
| 26 09 23 00-0240 | EA | High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPEM24V)<br>Note: Excludes GB II cable. | 284.92 | 63.13 |
| 26 09 23 00-0241 | EA | High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V)<br>Note: Excludes GB II cable. | 284.92 | 63.13 |
| 26 09 23 00-0242 | EA | 360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360)<br>Note: Excludes GB II cable. | 149.33 | 63.13 |
| 26 09 23 00-0243 | EA | Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24)<br>Note: Excludes GB II cable. | 348.63 | 63.13 |
| 26 09 23 00-0244 | EA | Hallway, Wired Occupancy Sensor (Encelium HW-13)<br>Note: Excludes GB II cable. | 493.72 | 63.13 |
| 26 09 23 00-0245 | EA | 500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500)<br>Note: Excludes GB II cable. | 432.36 | 63.13 |
| 26 09 23 00-0246 | EA | 1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000)<br>Note: Excludes GB II cable. | 460.83 | 63.13 |
| 26 09 23 00-0247 | EA | 2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000)<br>Note: Excludes GB II cable. | 475.08 | 63.13 |
| 26 09 23 00-0248 | EA | 1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200)<br>Note: Excludes GB II cable. | 428.80 | 63.13 |
| 26 09 23 00-0249 | EA | 120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV)<br>Note: Excludes GB II cable. | 357.63 | 63.13 |
| 26 09 23 00-0250 | EA | 500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W)<br>Note: Excludes GB II cable. | 447.67 | 63.13 |
| 26 09 23 00-0251 | EA | 1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W)<br>Note: Excludes GB II cable. | 443.94 | 63.13 |
| 26 09 23 00-0252 | EA | 2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W)<br>Note: Excludes GB II cable. | 492.51 | 63.13 |
| 26 09 23 00-0253 | EA | 1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W)<br>Note: Excludes GB II cable. | 477.58 | 63.13 |
| 26 09 23 00-0254 | EA | Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24)<br>Note: Excludes GB II cable. | 514.07 | 63.13 |
| 26 09 23 00-0255 | EA | Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV)<br>Note: Excludes GB II cable. | 477.72 | 63.13 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0256 | EA | Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT)<br>Note: Excludes GB II cable. | 477.72 | 63.13 |
| 26 09 23 00-0257 | EA | 10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C) | 313.70 | 63.13 |
| 26 09 23 00-0258 | EA | 10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C) | 336.07 | 63.13 |
| 26 09 23 00-0259 | EA | 20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P) | 589.48 | 63.13 |
| 26 09 23 00-0260 | EA | 20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P) | 630.56 | 63.13 |
| 26 09 23 00-0261 | EA | 10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D) | 464.85 | 63.13 |
| 26 09 23 00-0262 | EA | 10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D) | 484.70 | 63.13 |
| 26 09 23 00-0263 | EA | 24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2)<br>Note: Excludes GB II cable and enclosure. | 1,391.49 | 126.27 |
| 26 09 23 00-0264 | EA | 24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V)<br>Note: Excludes GB II cable. | 4,345.65 | 505.06 |
| 26 09 23 00-0265 | EA | 12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V)<br>Note: Excludes GB II cable. | 6,346.97 | 505.06 |
| 26 09 23 00-0266 | EA | 24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V)<br>Note: Excludes GB II cable. | 8,348.27 | 505.06 |
| 26 09 23 00-0267 | EA | Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2)<br>Note: Excludes GB II cable. | 695.75 | 63.13 |
| 26 09 23 00-0268 | EA | Wired DALI Bridge (Encelium EN-DB-1L-GB2)<br>Note: Excludes GB II cable. | 797.45 | 63.13 |
| 26 09 23 00-0269 | EA | Wireless Manager (Encelium EN-WM-ZB-P3D)<br>Note: Includes white finish. | 2,160.12 | 63.13 |
| 26 09 23 00-0270 | EA | Wireless Control Module (Encelium EN-WCM-ZB) | 293.63 | 31.57 |
| 26 09 23 00-0271 | EA | Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR) | 347.87 | 31.57 |
| 26 09 23 00-0272 | EA | Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK) | 349.22 | 31.57 |
| 26 09 23 00-0273 | EA | Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR) | 362.01 | 31.57 |
| 26 09 23 00-0274 | EA | 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0275 | EA | 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0276 | EA | 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0277 | EA | 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0278 | EA | 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0279 | EA | Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) | 270.88 | 15.78 |
| 26 09 23 00-0280 | EA | 315 MHz, Wireless Photocell (Encelium TAP-17C) | 573.72 | 63.13 |
| 26 09 23 00-0281 | EA | 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB) | 356.77 | 63.13 |
| 26 09 23 00-0282 | EA | 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB) | 356.77 | 63.13 |
| 26 09 23 00-0283 | EA | 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR) | 411.01 | 63.13 |
| 26 09 23 00-0284 | EA | 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR) | 411.01 | 63.13 |
| 26 09 23 00-0285 | EA | 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0286 | EA | 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0287 | EA | 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0288 | EA | 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0289 | EA | 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0290 | EA | Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)<br>Note: Includes white finish. | 270.88 | 15.78 |
| 26 09 23 00-0291 | EA | 315 MHz, Wireless Photocell (Encelium TAP-17C) | 573.72 | 63.13 |
| 26 09 23 00-0292 | EA | 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) | 262.07 | 15.78 |
| 26 09 23 00-0293 | EA | 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) | 262.07 | 15.78 |
| 26 09 23 00-0294 | EA | 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) | 262.07 | 15.78 |
| 26 09 23 00-0295 | EA | Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) | 270.88 | 15.78 |
| 26 09 23 00-0296 | EA | 315 MHz, Wireless Photocell (Encelium TAP-17C) | 573.72 | 63.13 |
| 26 09 23 00-0297 | EA | 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB) | 356.77 | 63.13 |
| 26 09 23 00-0298 | EA | 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB) | 356.77 | 63.13 |
| 26 09 23 00-0299 | EA | 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR) | 411.01 | 63.13 |
| 26 09 23 00-0300 | EA | 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR) | 411.01 | 63.13 |
| 26 09 23 00-0301 | EA | 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0302 | EA | 3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0303 | EA | 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0304 | EA | 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0305 | EA | 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)<br>Note: Includes white finish. | 262.07 | 15.78 |
| 26 09 23 00-0306 | EA | Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) | 270.88 | 15.78 |
| 26 09 23 00-0307 | EA | 315 MHz, Wireless Photocell (Encelium TAP-17C) | 573.72 | 63.13 |
| 26 09 23 00-0308 | EA | Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB) | 157.45 | 63.13 |
| 26 09 23 00-0309 | EA | Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit) | 752.14 | 63.13 |
| **26 09 23 00-0310** | | **Lighting Control Sensors** *(26 09 23)* | | |
| 26 09 23 00-0311 | EA | DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI) | 401.21 | 28.40 |
| 26 09 23 00-0312 | EA | DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI) | 401.21 | 28.40 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0313 | EA | Smart Multi-sensor (LG 9SD131VVDA.ALWB000) | 351.22 | 28.40 |
| 26 09 23 00-0314 | EA | Zigbee Dongle (LG 9CM2315VD2.AWP01U) | 105.59 | 18.94 |
| 26 09 23 00-0315 | EA | Clip for Performance Troffer (LG BKTTR015122.BUAAWAA) | 8.40 | |
| 26 09 23 00-0316 | EA | Clip for Downlight (BKTCE015123.BUAAWAA) | 68.86 | |
| 26 09 23 00-0317 | EA | Clip for Tube (LG BKTTU015121.BUAAWAA) | 12.04 | |
| 26 09 23 00-0318 | | Radio Controlled Devices (Lutron) *(26 09 23)* | | |
| 26 09 23 00-0319 | | Tabletop Transmitters For Radio Controlled Devices *(26 09 23 00-0318)* | | |
| 26 09 23 00-0320 | | Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)* | | |
| 26 09 23 00-0321 | EA | One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH) | 530.34 | 18.94 |
| 26 09 23 00-0322 | EA | Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH) | 689.95 | 18.94 |
| 26 09 23 00-0323 | EA | Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH) | 869.51 | 18.94 |
| 26 09 23 00-0324 | | Dimmable Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)* | | |
| 26 09 23 00-0325 | EA | One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH) | 530.34 | 18.94 |
| 26 09 23 00-0326 | EA | Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH) | 630.10 | 18.94 |
| 26 09 23 00-0327 | EA | Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH) | 869.51 | 18.94 |
| 26 09 23 00-0328 | EA | One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH) | 530.34 | 18.94 |
| 26 09 23 00-0329 | EA | Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH) | 689.95 | 18.94 |
| 26 09 23 00-0330 | EA | Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH) | 869.51 | 18.94 |
| 26 09 23 00-0331 | | Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)* | | |
| 26 09 23 00-0332 | EA | One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH) | 689.95 | 18.94 |
| 26 09 23 00-0333 | EA | Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH) | 869.51 | 18.94 |
| 26 09 23 00-0334 | EA | One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH) | 869.51 | 18.94 |
| 26 09 23 00-0335 | | Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)* | | |
| 26 09 23 00-0336 | EA | One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH) | 530.34 | 18.94 |
| 26 09 23 00-0337 | EA | Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH) | 689.95 | 18.94 |
| 26 09 23 00-0338 | EA | One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH) | 630.10 | 18.94 |
| 26 09 23 00-0339 | EA | Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH) | 769.76 | 18.94 |
| 26 09 23 00-0340 | EA | One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH) | 689.95 | 18.94 |
| 26 09 23 00-0341 | EA | Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH) | 829.61 | 18.94 |
| 26 09 23 00-0342 | EA | One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH) | 689.95 | 18.94 |
| 26 09 23 00-0343 | | Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)* | | |
| 26 09 23 00-0344 | EA | One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH) | 530.34 | 18.94 |
| 26 09 23 00-0345 | EA | Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH) | 689.95 | 18.94 |
| 26 09 23 00-0346 | EA | One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH) | 689.95 | 18.94 |
| 26 09 23 00-0347 | EA | Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH) | 869.51 | 18.94 |
| 26 09 23 00-0348 | EA | One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH) | 689.95 | 18.94 |
| 26 09 23 00-0349 | EA | One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH) | 869.51 | 18.94 |
| 26 09 23 00-0350 | | Output Switch Closure Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)* | | |
| 26 09 23 00-0351 | EA | Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH) | 530.34 | 18.94 |
| 26 09 23 00-0352 | EA | Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH) | 689.95 | 18.94 |
| 26 09 23 00-0353 | EA | Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH) | 869.51 | 18.94 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 09 23 00-0354** | | **Accessories For Tabletop Wireless Transmitter** *(26 09 23 00-0319)* | | |
| 26 09 23 00-0355 | EA | Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH) | 111.37 | 18.94 |
| **26 09 23 00-0356** | | **Wall Box Transmitters For Radio Controlled Devices** *(26 09 23 00-0318)* | | |
| 26 09 23 00-0357 | EA | On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH) | 490.44 | 18.94 |
| 26 09 23 00-0358 | EA | Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH) | 530.34 | 18.94 |
| 26 09 23 00-0359 | EA | Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH) | 530.34 | 18.94 |
| 26 09 23 00-0360 | EA | Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH) | 530.34 | 18.94 |
| 26 09 23 00-0361 | EA | Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH) | 530.34 | 18.94 |
| 26 09 23 00-0362 | EA | Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH) | 530.34 | 18.94 |
| **26 09 23 00-0363** | | **Interfaces For Radio Controlled Devices** *(26 09 23 00-0318)* | | |
| 26 09 23 00-0364 | EA | Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000) | 490.44 | 18.94 |
| 26 09 23 00-0365 | EA | Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000) | 490.44 | 18.94 |
| 26 09 23 00-0366 | EA | Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000) | 490.44 | 18.94 |
| 26 09 23 00-0367 | EA | Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8) | 997.20 | 18.94 |
| 26 09 23 00-0368 | EA | RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232) | 1,428.14 | 18.94 |
| 26 09 23 00-0369 | EA | Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI) | 1,428.14 | 18.94 |
| **26 09 23 00-0370** | | **Fluorescent Controllers For Radio Controlled Devices** *(26 09 23 00-0318)* | | |
| 26 09 23 00-0371 | EA | On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW) | 630.10 | 18.94 |
| 26 09 23 00-0372 | EA | Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F) | 709.90 | 18.94 |
| 26 09 23 00-0373 | EA | Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC) | 829.61 | 18.94 |
| **26 09 23 00-0374** | | **AC Motor Group Controllers For Radio Controlled Devices** *(26 09 23 00-0318)* | | |
| 26 09 23 00-0375 | EA | Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC) | 929.36 | 18.94 |
| 26 09 23 00-0376 | EA | Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC) | 1,278.51 | 18.94 |
| **26 09 23 00-0377** | | **Wireless Enabled Communication Devices For Streetlights** *(26 09 23)*<br>Note: Includes testing of new devices and certification. | | |
| **26 09 23 00-0378** | | **Wireless Enabled Communication Nodes For Streetlights (Roam®)** *(26 09 23 00-0377)* | | |
| 26 09 23 00-0379 | EA | 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1) | 356.06 | |
| 26 09 23 00-0380 | EA | 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1) | 498.75 | |
| **26 09 23 00-0381** | | **Wireless Enabled Communication Devices For Streetlights (Roam®)** *(26 09 23 00-0377)* | | |
| 26 09 23 00-0382 | EA | Retrofit Receptacle Kit (Roam® DUR103)<br>Note: For adapting light fixtures for use with a NEMA locking type photocontrol. | 59.98 | |
| 26 09 23 00-0383 | EA | Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127) | 14,409.42 | 69.97 |
| **26 09 23 00-0384** | | **RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®)** *(26 09 23)* | | |
| **26 09 23 00-0385** | | **RF Wireless Technology, Switches (Lutron® Maestro Wireless®)** *(26 09 23 00-0384)* | | |
| 26 09 23 00-0386 | EA | 6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS) | 142.34 | 25.25 |
| 26 09 23 00-0387 | EA | 8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120) | 167.74 | 25.25 |
| 26 09 23 00-0388 | EA | 8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV) | 262.41 | 25.25 |
| 26 09 23 00-0389 | EA | 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS) | 99.96 | 25.25 |
| 26 09 23 00-0390 | EA | 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277) | 122.15 | 25.25 |
| 26 09 23 00-0391 | EA | 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS) | 109.28 | 25.25 |
| 26 09 23 00-0392 | EA | 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277) | 131.92 | 25.25 |
| **26 09 23 00-0393** | | **RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®)** *(26 09 23 00-0384)* | | |
| 26 09 23 00-0394 | EA | 600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M) | 136.48 | 25.25 |
| 26 09 23 00-0395 | EA | 600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV) | 148.20 | 25.25 |
| 26 09 23 00-0396 | EA | 600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120) | 177.51 | 25.25 |
| 26 09 23 00-0397 | EA | 1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120) | 190.13 | 31.57 |
| 26 09 23 00-0398 | EA | 600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120) | 235.14 | 25.25 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0399 | EA | 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R) | 77.37 | 25.25 |
| 26 09 23 00-0400 | EA | 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277) | 93.49 | 25.25 |
| 26 09 23 00-0401 | EA | 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD) | 83.25 | 25.25 |
| 26 09 23 00-0402 | EA | 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277) | 99.35 | 25.25 |
| 26 09 23 00-0403 | EA | 6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV) | 264.23 | 44.19 |

## 26 09 23 00-0404 Removal And Reinstallation Of Occupancy Sensors *(26 09 23)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0405 | EA | Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor<br>Note: Includes storing and cleaning. | 85.22 | |
| 26 09 23 00-0406 | EA | Removal And Reinstallation Of Wall Mounted Occupancy Sensor<br>Note: Includes storing and cleaning. | 56.82 | |

## 26 09 23 00-0407 Occupancy Sensors (Watt Stopper) *(26 09 23)*

Note: Includes testing of new devices and certification.

## 26 09 23 00-0408 Occupancy Sensors *(26 09 23 00-0407)*

Note: Exclude boxes.

## 26 09 23 00-0409 Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0408)*

## 26 09 23 00-0410 Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0409)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0411 | EA | Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100) | 148.67 | 12.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0412 | EA | Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200) | 176.00 | 12.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |

## 26 09 23 00-0413 Passive Infrared, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0409)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0414 | EA | Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100) | 122.24 | 12.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0415 | EA | Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS) | 113.96 | 12.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0416 | EA | Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100) | 129.42 | 12.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0417 | EA | Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200) | 150.32 | 12.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0418 | EA | Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD) | 148.60 | 12.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |

## 26 09 23 00-0419 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0409)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0420 | EA | Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100) | 217.62 | 12.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0421 | EA | Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200) | 234.91 | 12.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |

## 26 09 23 00-0422 Wall Switch Mounted Occupancy Sensor Accessories *(26 09 23 00-0409)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0423 | EA | Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) | 7.96 | 3.15 |
| 26 09 23 00-0424 | EA | One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) | 9.34 | 3.15 |
| 26 09 23 00-0425 | EA | Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) | 9.34 | 3.15 |

## 26 09 23 00-0426 Ceiling Mounted Occupancy Sensors *(26 09 23 00-0408)*

## 26 09 23 00-0427 Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0426)*

## 26 09 23 00-0428 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0427)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0429 | EA | 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A) | 193.63 | 28.40 |
| 26 09 23 00-0430 | EA | 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A) | 223.36 | 28.40 |
| 26 09 23 00-0431 | EA | 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A) | 253.31 | 28.40 |
| 26 09 23 00-0432 | EA | 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H) | 250.60 | 28.40 |

## 26 09 23 00-0433 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0427)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0434 | EA | 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605) | 211.23 | 28.40 |
| 26 09 23 00-0435 | EA | 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105) | 241.38 | 28.40 |
| 26 09 23 00-0436 | EA | 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205) | 269.93 | 28.40 |
| 26 09 23 00-0437 | EA | 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255) | 274.76 | 28.40 |
| 26 09 23 00-0438 | EA | 600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600) | 229.25 | 28.40 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0439 | EA | 1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100) | 260.15 | 28.40 |
| 26 09 23 00-0440 | EA | 2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200) | 290.93 | 28.40 |
| 26 09 23 00-0441 | EA | 90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250) | 299.80 | 28.40 |
| **26 09 23 00-0442** | | **40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0427)* | | |
| 26 09 23 00-0443 | EA | 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1) | 219.94 | 28.40 |
| 26 09 23 00-0444 | EA | 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2) | 255.96 | 28.40 |
| 26 09 23 00-0445 | EA | 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3) | 286.11 | 28.40 |
| 26 09 23 00-0446 | EA | 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1) | 206.67 | 28.40 |
| 26 09 23 00-0447 | EA | 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2) | 252.06 | 28.40 |
| 26 09 23 00-0448 | EA | 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3) | 266.77 | 28.40 |
| 26 09 23 00-0449 | EA | 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1) | 221.81 | 28.40 |
| 26 09 23 00-0450 | EA | 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2) | 247.95 | 28.40 |
| 26 09 23 00-0451 | EA | 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3) | 280.23 | 28.40 |
| **26 09 23 00-0452** | | **Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0426)* | | |
| 26 09 23 00-0453 | EA | 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR) | 158.93 | 28.40 |
| 26 09 23 00-0454 | EA | HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24) | 162.44 | 28.40 |
| 26 09 23 00-0455 | EA | Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205) | 170.76 | 28.40 |
| 26 09 23 00-0456 | EA | Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355) | 193.07 | 28.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0457 | EA | Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305) | 195.78 | 28.40 |
| 26 09 23 00-0458 | EA | Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200) | 207.45 | 28.40 |
| 26 09 23 00-0459 | EA | Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300) | 226.13 | 28.40 |
| **26 09 23 00-0460** | | **Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0426)* | | |
| 26 09 23 00-0461 | EA | 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355) | 269.68 | 28.40 |
| 26 09 23 00-0462 | EA | 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300) | 309.21 | 28.40 |
| 26 09 23 00-0463 | EA | 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305) | 261.29 | 28.40 |
| **26 09 23 00-0464** | | **Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0408)* | | |
| **26 09 23 00-0465** | | **Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0464)* | | |
| 26 09 23 00-0466 | EA | 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3) | 332.89 | 28.40 |
| 26 09 23 00-0467 | EA | 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100) | 332.89 | 28.40 |
| **26 09 23 00-0468** | | **Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0464)* | | |
| 26 09 23 00-0469 | EA | 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200) | 309.21 | 28.40 |
| **26 09 23 00-0470** | | **Occupancy Sensor Power Packs** *(26 09 23 00-0407)* | | |
| **26 09 23 00-0471** | | **Single Voltage, Occupancy Sensor Power Packs** *(26 09 23 00-0470)* | | |
| 26 09 23 00-0472 | EA | 220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P) | 105.78 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0473 | EA | 347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P) | 95.74 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| **26 09 23 00-0474** | | **Auxiliary, Occupancy Sensor Power Packs** *(26 09 23 00-0470)* | | |
| 26 09 23 00-0475 | EA | 120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P) | 87.47 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| **26 09 23 00-0476** | | **Universal Voltage, Power Packs For Occupancy Sensors** *(26 09 23 00-0470)* | | |
| 26 09 23 00-0477 | EA | 120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100) | 117.74 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0478 | | Form C, Occupancy Sensor Power Packs *(26 09 23 00-0470)* | | |
| 26 09 23 00-0479 | EA | 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P) | 106.24 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0480 | EA | 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P) | 106.32 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0481 | | Two Relay, Occupancy Sensor Power Packs *(26 09 23 00-0470)* | | |
| 26 09 23 00-0482 | EA | 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P) | 135.34 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0483 | EA | 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P) | 137.33 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0484 | | Occupancy Sensor Power Supplies *(26 09 23 00-0470)* | | |
| 26 09 23 00-0485 | EA | 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150) | 118.30 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0486 | EA | 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277) | 282.46 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0487 | | Intelligent, Occupancy Sensor Power Packs *(26 09 23 00-0470)* | | |
| 26 09 23 00-0488 | EA | 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100) | 375.78 | 25.25 |
| 26 09 23 00-0489 | | DIN Rail Mounted, Occupancy Sensor Power Packs *(26 09 23 00-0470)* | | |
| 26 09 23 00-0490 | EA | 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100) | 116.60 | 25.25 |
| 26 09 23 00-0491 | | Occupancy Sensor Accessories *(26 09 23 00-0407)* | | |
| 26 09 23 00-0492 | | Protective Cages For Occupancy Sensors *(26 09 23 00-0491)* | | |
| 26 09 23 00-0493 | EA | Protective Cage For Occupancy Sensors (Watt Stopper WC) | 68.24 | 9.47 |
| 26 09 23 00-0494 | | Mounting Brackets For Occupancy Sensors *(26 09 23 00-0491)* | | |
| 26 09 23 00-0495 | EA | Mounting Bracket For Occupancy Sensor (Watt Stopper MB)<br>Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders. | 51.26 | 15.78 |
| 26 09 23 00-0496 | | Occupancy/Lighting Logger *(26 09 23 00-0491)*<br>Note: Logs when a space is occupied/vacant and when lighting is on/off. | | |
| 26 09 23 00-0497 | EA | Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200) | 510.77 | 53.66 |
| 26 09 23 00-0498 | | Digital Time Light Switches *(26 09 23 00-0407)* | | |
| 26 09 23 00-0499 | EA | Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400) | 110.04 | 12.63 |
| 26 09 23 00-0500 | | Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor *(26 09 23 00-0407)* | | |
| 26 09 23 00-0501 | EA | Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211) | 238.62 | 41.03 |
| 26 09 23 00-0502 | | Occupancy Sensors (Sensor Switch) *(26 09 23)*<br>Note: Includes testing of new devices and certification. | | |
| 26 09 23 00-0503 | | Occupancy Sensors (Sensor Switch) *(26 09 23 00-0502)*<br>Note: Exclude boxes | | |
| 26 09 23 00-0504 | | Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0503)* | | |
| 26 09 23 00-0505 | | Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0504)* | | |
| 26 09 23 00-0506 | EA | Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV) | 224.76 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| 26 09 23 00-0507 | EA | Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL) | 158.26 | 12.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0508 | EA | Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD) | 150.94 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0509 | EA | Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA) | 150.94 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0510 | EA | 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P) | 191.51 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0511 | EA | Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS) | 191.51 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| 26 09 23 00-0512 | EA | 2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P) | 233.09 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| 26 09 23 00-0513 | EA | Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD) | 191.51 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| 26 09 23 00-0514 | | **Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0504)* | | |
| | | Note: Includes passive infrared and microphonics detection | | |
| 26 09 23 00-0515 | EA | Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV) | 291.26 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| 26 09 23 00-0516 | EA | Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL) | 224.76 | 12.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0517 | EA | Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT) | 219.79 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0518 | EA | Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA) | 219.79 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0519 | EA | 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P) | 258.01 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |
| 26 09 23 00-0520 | EA | Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT) | 258.01 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| 26 09 23 00-0521 | EA | 2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P) | 277.96 | 12.63 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| 26 09 23 00-0522 | | **Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)** *(26 09 23 00-0504)* | | |
| 26 09 23 00-0523 | EA | One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX) | 19.61 | 3.15 |
| 26 09 23 00-0524 | EA | One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX) | 19.61 | 3.15 |
| 26 09 23 00-0525 | EA | Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3) | 39.56 | 3.15 |
| 26 09 23 00-0526 | EA | Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3) | 39.56 | 3.15 |
| 26 09 23 00-0527 | | **360 Degree View Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0503)* | | |
| 26 09 23 00-0528 | | **Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0527)* | | |
| | | Note: One photocell or dimming option per occupancy sensor | | |
| 26 09 23 00-0529 | EA | Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9) | 256.33 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| 26 09 23 00-0530 | EA | Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9) | 256.33 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| 26 09 23 00-0531 | EA | Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9) | 256.33 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| 26 09 23 00-0532 | EA | Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9) | 272.96 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0533 | EA | Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9) | 272.96 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0534 | EA | Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9) | 219.75 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0535 | EA | 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P) | 339.46 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Photocell Option With Dual Zone On/Off, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0536 | EA | 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P) | 339.46 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Photocell Option With Dual Zone On/Off, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0537 | EA | 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P) | 286.26 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Photocell Option With Dual Zone On/Off, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0538 | EA | Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10) | 256.33 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| 26 09 23 00-0539 | EA | Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10) | 256.33 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| 26 09 23 00-0540 | EA | Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10) | 256.33 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| 26 09 23 00-0541 | EA | Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10) | 272.96 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| 26 09 23 00-0542 | EA | Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10) | 272.96 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0543 | EA | Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10) | 219.75 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0544 | EA | 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P) | 339.46 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Photocell Option With Dual Zone On/Off, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0545 | EA | 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P) | 339.46 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Photocell Option With Dual Zone On/Off, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0546 | EA | 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P) | 286.26 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Photocell Option With Dual Zone On/Off, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |

## 26 09 23 00-0547 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0527)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0548 | EA | Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| 26 09 23 00-0549 | EA | Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| 26 09 23 00-0550 | EA | Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| 26 09 23 00-0551 | EA | Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9) | 306.21 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0552 | EA | Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9) | 306.21 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0553 | EA | Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9) | 253.00 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0554 | EA | 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P) | 372.71 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Photocell Option With Dual Zone On/Off, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0555 | EA | 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P) | 372.71 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Photocell Option With Dual Zone On/Off, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0556 | EA | 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P) | 319.51 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Photocell Option With Dual Zone On/Off, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0557 | EA | Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| 26 09 23 00-0558 | EA | Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0559 | EA | Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| 26 09 23 00-0560 | EA | Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10) | 306.21 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0561 | EA | Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10) | 306.21 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0562 | EA | Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10) | 253.00 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Photocell Option With Dimming Capability, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0563 | EA | 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P) | 372.71 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Photocell Option With Dual Zone On/Off, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0564 | EA | 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P) | 372.71 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Photocell Option With Dual Zone On/Off, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0565 | EA | 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P) | 319.51 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Photocell Option With Dual Zone On/Off, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |

### 26 09 23 00-0566 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0503)*

### 26 09 23 00-0567 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0566)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0568 | EA | Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16) | 256.33 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Ceiling Mount, Add* | *30.23* | |
| 26 09 23 00-0569 | EA | Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13) | 289.58 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Ceiling Mount, Add* | *30.23* | |
| 26 09 23 00-0570 | EA | Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13) | 356.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Ceiling Mount, Add* | *30.23* | |
| 26 09 23 00-0571 | EA | Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16) | 339.46 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Ceiling Mount, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0572 | EA | 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P) | 405.96 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Ceiling Mount, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |

### 26 09 23 00-0573 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0566)*

Note: Includes passive infrared and microphonics detection

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0574 | EA | Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Ceiling Mount, Add* | *30.23* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0575 | EA | Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16) | 372.71 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Ceiling Mount, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0576 | EA | 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P) | 439.21 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell (Inhibit Mode Only) Option, Add* | *18.14* | |
| | | *For Ceiling Mount, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0577 | | High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0503)* | | |
| 26 09 23 00-0578 | | Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0577)* | | |
| 26 09 23 00-0579 | EA | Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6) | 256.33 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| 26 09 23 00-0580 | EA | Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6) | 256.33 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| 26 09 23 00-0581 | EA | Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6) | 256.33 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| 26 09 23 00-0582 | EA | Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6) | 219.75 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Start To High, HID Option, Add* | *18.14* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0583 | EA | Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6) | 219.75 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Start To High, HID Option, Add* | *18.14* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0584 | EA | Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6) | 219.75 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Start To High, HID Option, Add* | *18.14* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0585 | EA | 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P) | 286.26 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0586 | EA | 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P) | 286.26 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0587 | EA | 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P) | 286.26 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0588 | EA | 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208) | 243.03 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0589 | EA | 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208) | 243.03 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0590 | EA | 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208) | 243.03 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0591 | EA | 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480) | 243.03 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0592 | EA | 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480) | 243.03 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0593 | EA | 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480) | 243.03 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0594 | EA | Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50) | 289.58 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| 26 09 23 00-0595 | EA | Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50) | 289.58 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| 26 09 23 00-0596 | EA | Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50) | 289.58 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| 26 09 23 00-0597 | EA | Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50) | 352.76 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Start To High, HID Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0598 | EA | Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50) | 352.76 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Start To High, HID Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0599 | EA | Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50) | 352.76 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Start To High, HID Option, Add* | *18.14* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0600 | EA | 2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P) | 309.53 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0601 | EA | 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P) | 309.53 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0602 | EA | 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208) | 259.65 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0603 | EA | 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208) | 259.65 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0604 | EA | 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480) | 259.65 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0605 | EA | 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480) | 259.65 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Photocell Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0606 | EA | Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10) | 289.58 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| 26 09 23 00-0607 | EA | Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10) | 289.58 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Low Voltage Relay Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0608 | EA | Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10) | 352.76 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Start To High, HID Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0609 | EA | Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10) | 352.76 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Start To High, HID Option, Add* | *18.14* | |
| | | *For Occupancy Controlled Dimming Option, Add* | *30.23* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0610 | EA | 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P) | 339.46 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0611 | EA | 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480) | 306.21 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0612 | EA | 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208) | 306.21 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |

## 26 09 23 00-0613 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0502)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0614 | EA | Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20) | 143.61 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0615 | EA | 2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P) | 210.12 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0616 | EA | Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20) | 110.36 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0617 | EA | 2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20) | 100.39 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0618 | EA | 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20) | 133.64 | 25.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0619 | EA | 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH) | 216.77 | 25.25 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0620 | EA | 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR) | 216.77 | 25.25 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |
| 26 09 23 00-0621 | EA | 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM) | 216.77 | 25.25 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.15* | |

## 26 09 23 00-0622 Daylighting Control (Sensor Switch) *(26 09 23 00-0502)*

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0623 | EA | Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC) | 223.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| 26 09 23 00-0624 | EA | Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC) | 223.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| 26 09 23 00-0625 | EA | Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC) | 223.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| 26 09 23 00-0626 | EA | Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC) | 223.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For 480 Volt AC Option, Add* | *21.16* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0627 | EA | Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC) | 223.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For 480 Volt AC Option, Add* | *21.16* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0628 | EA | Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC) | 223.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For 480 Volt AC Option, Add* | *21.16* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0629 | EA | Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC) | 223.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| 26 09 23 00-0630 | EA | Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC) | 223.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0631 | EA | Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC) | 223.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| 26 09 23 00-0632 | EA | Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC) | 223.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0633 | EA | Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC) | 223.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0634 | EA | Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC) | 223.08 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0635 | EA | Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| 26 09 23 00-0636 | EA | Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| 26 09 23 00-0637 | EA | Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| 26 09 23 00-0638 | EA | Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0639 | EA | Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 09 23 00-0640 | EA | Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC) | 322.83 | 28.40 |
| | | *For Low Temp/High Humidity Option, Add* | *15.11* | |
| | | *For Dual Zone Option, Add* | *45.34* | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |

### 26 09 23 00-0641 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*

Note: Includes testing of new devices and certification.

### 26 09 23 00-0642 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0641)*

Note: Excludes boxes.

### 26 09 23 00-0643 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0642)*

### 26 09 23 00-0644 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0643)*

Note: Includes passive infrared and microphonics detection

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0645 | EA | Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX) | 349.89 | 12.63 |

### 26 09 23 00-0646 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0642)*

### 26 09 23 00-0647 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0646)*

Note: One photocell or dimming option per occupancy sensor

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0648 | EA | Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9) | 413.56 | 28.40 |
| 26 09 23 00-0649 | EA | Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10) | 413.56 | 28.40 |
| 26 09 23 00-0650 | EA | Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC) | 413.56 | 28.40 |

### 26 09 23 00-0651 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0646)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

| | | | | |
|---|---|---|---|---|
| 26 09 23 00-0652 | EA | Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9) | 484.90 | 28.40 |
| 26 09 23 00-0653 | EA | Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10) | 484.90 | 28.40 |
| 26 09 23 00-0654 | EA | 2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P) | 502.71 | 28.40 |

### 26 09 23 00-0655 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0642)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0656 | | Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0655)* | | |
| | | Note: Includes passive infrared and microphonics detection | | |
| 26 09 23 00-0657 | EA | Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16) | 484.90 | 28.40 |
| 26 09 23 00-0658 | | High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0642)* | | |
| 26 09 23 00-0659 | | Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0658)* | | |
| 26 09 23 00-0660 | EA | Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6) | 413.56 | 28.40 |
| 26 09 23 00-0661 | | Occupancy Sensor Power Packs (Sensor Switch nLight®) *(26 09 23 00-0641)* | | |
| 26 09 23 00-0662 | EA | 150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150) | 139.69 | 25.25 |
| 26 09 23 00-0663 | EA | 250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250) | 175.40 | 25.25 |
| 26 09 23 00-0664 | EA | 30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO) | 236.01 | 25.25 |
| 26 09 23 00-0665 | EA | System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16) | 236.01 | 25.25 |
| 26 09 23 00-0666 | | Occupancy Sensor Accessories (Sensor Switch nLight®) *(26 09 23 00-0641)* | | |
| 26 09 23 00-0667 | EA | RS232 AV Integrator (Sensor Switch nLight® nIO X) | 502.71 | 28.40 |
| 26 09 23 00-0668 | EA | 8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT) | 404.42 | 28.40 |
| 26 09 23 00-0669 | | Daylighting Controls (Sensor Switch nLight®) *(26 09 23 00-0641)* | | |
| 26 09 23 00-0670 | EA | Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC) | 342.21 | 28.40 |
| 26 09 23 00-0671 | | Controls (Sensor Switch nLight®) *(26 09 23 00-0641)* | | |
| 26 09 23 00-0672 | EA | On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX) | 224.49 | 28.40 |
| 26 09 23 00-0673 | EA | 1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB) | 324.40 | 28.40 |
| 26 09 23 00-0674 | EA | On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM) | 752.46 | 28.40 |
| 26 09 23 00-0675 | EA | 3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX) | 752.46 | 28.40 |
| 26 09 23 00-0676 | EA | 3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2) | 2,821.54 | 28.40 |
| 26 09 23 00-0677 | | Occupancy Sensors (Lutron) *(26 09 23)* | | |
| | | Note: Includes testing of new devices and certification. | | |
| 26 09 23 00-0678 | | Wireless Occupancy Sensors *(26 09 23 00-0677)* | | |
| 26 09 23 00-0679 | EA | Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH) | 166.58 | 28.40 |
| 26 09 23 00-0680 | EA | Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH) | 173.96 | 28.40 |
| 26 09 23 00-0681 | EA | Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH) | 168.33 | 28.40 |
| 26 09 23 00-0682 | EA | Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH) | 178.09 | 28.40 |
| 26 09 23 00-0683 | EA | Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH) | 170.52 | 28.40 |
| 26 09 23 00-0684 | EA | Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH) | 178.09 | 28.40 |
| 26 09 23 00-0685 | EA | Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH) | 166.58 | 28.40 |
| 26 09 23 00-0686 | EA | Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH) | 170.52 | 28.40 |
| 26 09 23 00-0687 | EA | Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V) | 168.33 | 28.40 |
| 26 09 23 00-0688 | EA | Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH) | 260.18 | 28.40 |
| 26 09 23 00-0689 | EA | Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH) | 277.68 | 28.40 |
| 26 09 23 00-0690 | EA | Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH) | 317.04 | 28.40 |
| 26 09 23 00-0691 | EA | Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH) | 334.54 | 28.40 |
| 26 09 23 00-0692 | EA | Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH) | 343.29 | 28.40 |
| 26 09 23 00-0693 | EA | Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH) | 360.78 | 28.40 |
| 26 09 23 00-0694 | EA | Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH) | 205.07 | 28.40 |
| 26 09 23 00-0695 | EA | Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH) | 216.44 | 28.40 |
| 26 09 23 00-0696 | EA | Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH) | 253.62 | 28.40 |
| 26 09 23 00-0697 | EA | Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH) | 282.05 | 28.40 |
| 26 09 23 00-0698 | EA | Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH) | 303.92 | 28.40 |
| 26 09 23 00-0699 | EA | Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH) | 262.37 | 28.40 |
| 26 09 23 00-0700 | EA | Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH) | 241.13 | 28.40 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0701 | EA | Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH) | 201.61 | 28.40 |
| 26 09 23 00-0702 | EA | Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH) | 248.21 | 28.40 |
| 26 09 23 00-0703 | EA | Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C) | 301.44 | 28.40 |
| 26 09 23 00-0704 | EA | Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H) | 319.97 | 28.40 |
| 26 09 23 00-0705 | EA | Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K) | 319.97 | 28.40 |
| 26 09 23 00-0706 | EA | Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W) | 319.97 | 28.40 |
| 26 09 23 00-0707 | EA | Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V) | 336.94 | 28.40 |
| 26 09 23 00-0708 | EA | Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W) | 546.63 | 41.03 |
| **26 09 23 00-0709** | | **Nodes And Modules** *(26 09 23 00-0677)* | | |
| 26 09 23 00-0710 | EA | 0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C ) | 271.12 | 28.40 |
| 26 09 23 00-0711 | EA | 0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J) | 271.12 | 28.40 |
| 26 09 23 00-0712 | EA | 4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C ) | 343.29 | 28.40 |
| 26 09 23 00-0713 | EA | 4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J) | 343.29 | 28.40 |
| 26 09 23 00-0714 | EA | 120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH) | 439.26 | 31.57 |
| 26 09 23 00-0715 | EA | 120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH) | 439.26 | 31.57 |
| 26 09 23 00-0716 | EA | 120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH) | 533.30 | 31.57 |
| 26 09 23 00-0717 | EA | 120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH) | 546.42 | 31.57 |
| 26 09 23 00-0718 | EA | 120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH) | 675.45 | 31.57 |
| 26 09 23 00-0719 | EA | 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH) | 717.00 | 31.57 |
| 26 09 23 00-0720 | EA | 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH) | 758.56 | 31.57 |
| 26 09 23 00-0721 | EA | 1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2) | 2,052.85 | 50.51 |
| 26 09 23 00-0722 | EA | 2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4) | 2,016.28 | 56.82 |
| 26 09 23 00-0723 | EA | 3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6) | 2,958.36 | 63.13 |
| **26 09 23 00-0724** | | **Other Accessories** *(26 09 23 00-0677)* | | |
| 26 09 23 00-0725 | EA | Pico® Wireless Control Wallplate Adapter (Lutron® PJ) | 42.68 | |
| 26 09 23 00-0726 | EA | Pico® Wireless Control (Lutron® PJ) | 55.85 | |
| 26 09 23 00-0727 | EA | 4-Scene Wireless Remote Control (Lutron® GRX-IT-WH) | 165.69 | |
| 26 09 23 00-0728 | EA | 8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH) | 316.59 | |
| 26 09 23 00-0729 | EA | 4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL) | 330.67 | 28.40 |
| 26 09 23 00-0730 | EA | seeTouch® QS Wallstation (Lutron® QSWS2) | 419.31 | 28.40 |
| 26 09 23 00-0731 | EA | seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2) | 419.31 | 28.40 |
| 26 09 23 00-0732 | EA | 120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S) | 688.57 | 31.57 |
| 26 09 23 00-0733 | EA | 120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S) | 944.45 | 31.57 |
| 26 09 23 00-0734 | EA | Control Interface (Lutron® QSE-CI-NWK-E) | 1,137.15 | 28.40 |
| 26 09 23 00-0735 | EA | 1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S) | 1,128.42 | 28.40 |
| 26 09 23 00-0736 | EA | 2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S) | 1,511.14 | 28.40 |
| 26 09 23 00-0737 | MLF | 5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S) | 2,421.00 | 882.48 |
| 26 09 23 00-0738 | MLF | 5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S) | 3,295.78 | 882.48 |
| **26 09 23 00-0739** | | **Fixture Mounted Occupancy Sensors (Leviton)** *(26 09 23)* | | |
| | | Note: Includes testing of new devices and certification. | | |
| 26 09 23 00-0740 | EA | 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW) | 159.58 | 28.40 |
| 26 09 23 00-0741 | EA | 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W) | 139.46 | 28.40 |
| 26 09 23 00-0742 | EA | 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW) | 176.21 | 28.40 |
| 26 09 23 00-0743 | EA | 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W) | 139.46 | 28.40 |
| 26 09 23 00-0744 | EA | 120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT) | 233.71 | 12.61 |
| **26 09 23 00-0745** | | **Counter Mounted Consolets** *(26 09 23)* | | |
| 26 09 23 00-0746 | EA | 20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24) | 696.42 | 157.58 |
| **26 09 23 00-0747** | | **Lighting Console And Stations** *(26 09 23)* | | |
| 26 09 23 00-0748 | EA | 80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40) | 5,080.35 | 157.58 |
| | | *For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add* | *110.19* | |
| | | *For Lighting Console Case (ETC ColorSourcePart 11866), Add* | *1,174.91* | |
| 26 09 23 00-0749 | EA | 10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2) | 3,509.69 | 94.55 |
| **26 09 23 00-0750** | | **Theatre Lighting Console** *(26 09 23)* | | |
| 26 09 23 00-0751 | EA | Theatre Lighting Console (ETC Colorsource 20) | 3,644.63 | 189.10 |
| **26 09 23 00-0752** | | **Lighting Controls (Daintree Networks)** *(26 09 23)* | | |
| | | Note: Includes testing of new devices and certification. | | |
| **26 09 23 00-0753** | | **Wireless Sensors** *(26 09 23 00-0752)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0754 | EA | Battery Powered, Passive Infrared, Ceiling Mount, 500 SF Coverage, 360 Degree View, Wireless Occupancy Sensor (Daintree Networks WOS2-CM-S) | 199.52 | 28.40 |
| 26 09 23 00-0755 | EA | Battery Powered, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View, Wireless Occupancy Sensor (Daintree Networks WOS2-CM-E) | 199.52 | 28.40 |
| 26 09 23 00-0756 | EA | Battery Powered, Passive Infrared, Wall Mount, Long-Range Lens, Wireless Occupancy Sensor (Daintree Networks WOS2-WM-L)<br>Note: 8' to 12' install height. | 199.52 | 28.40 |
| 26 09 23 00-0757 | EA | Battery Powered, Passive Infrared, Wall Mount, Wide-Angle Lens, Wireless Occupancy Sensor (Daintree Networks WOS2-WM-W)<br>Note: 8' to 12' install height. | 199.52 | 28.40 |
| 26 09 23 00-0758 | EA | Battery Powered, Wireless Photosensor (Daintree Networks WPS1)<br>Note: 8' to 12' install height. | 170.98 | 28.40 |
| **26 09 23 00-0759** | | **Wireless Adaptors** *(26 09 23 00-0752)* | | |
| 26 09 23 00-0760 | EA | Line Voltage, Wireless Adapter (Daintree Networks WA100)<br>Note: Includes on/off, 0-10V dimming and alternate/bi-level switching. Includes inputs for occupancy controller and photo sensor, and mounting bracket. | 232.72 | 37.88 |
| 26 09 23 00-0761 | EA | Line Voltage, Wireless Adapter With Power Monitoring (Daintree Networks WA100-PM)<br>Note: Includes on/off, 0-10V dimming and alternate/bi-level switching. Includes inputs for occupancy controller and photo sensor, power monitoring, and mounting bracket. | 261.26 | 37.88 |
| 26 09 23 00-0762 | EA | Line Voltage, Wireless Fixture Adapter (Daintree Networks WFA100)<br>Note: Includes on/off and 0-10V dimming. | 181.35 | 37.88 |
| 26 09 23 00-0763 | EA | Line Voltage, Wireless Fixture Adapter With Sensor Inputs (Daintree Networks WFA100-SN)<br>Note: Includes on/off and 0-10V dimming. Includes inputs for occupancy controller and photo sensor. | 195.62 | 37.88 |
| 26 09 23 00-0764 | EA | Line Voltage, Wireless General Purpose Adapter (Daintree Networks WGA100)<br>Note: Includes mounting bracket. | 289.80 | 37.88 |
| **26 09 23 00-0765** | | **Controllers** *(26 09 23 00-0752)*<br>Note: Includes programming for new controllers. | | |
| 26 09 23 00-0766 | EA | Site System Controller (Daintree Networks SC51)<br>Note: For single facility up to 1,000 wireless nodes. Excludes node licenses. Does not support CS-MFM. | 2,951.63 | 63.13 |
| 26 09 23 00-0767 | EA | Enterprise System Controller (Daintree Networks SC71)<br>Note: For single or multiple facilities up to 10,000 wireless nodes. Excludes node licenses. Up to 4,000 zones per facility. Single facility included, additional facilities require purchase of CS-MFM per facility. Includes rack rails. | 4,949.36 | 63.13 |
| 26 09 23 00-0768 | EA | Wireless Area Controller (Daintree Networks WAC50)<br>Note: Maximum capacity of 100 wireless nodes. Excludes node licenses. | 1,176.15 | |
| 26 09 23 00-0769 | EA | BACnet Server (Daintree Networks CS-BAC)<br>Note: Requires purchase of additional CS-BAC-5 licenses for systems with more than 1,000 nodes. | 5,805.53 | 63.13 |
| **26 09 23 00-0770** | | **Other Accessories** *(26 09 23 00-0752)* | | |
| 26 09 23 00-0771 | EA | 10 To 30 Volt AC, Wireless Thermostat (Daintree Networks WTS10) | 468.74 | 63.13 |
| 26 09 23 00-0772 | EA | Battery Powered, Wireless Wall Dimmer (Daintree Networks WWD1) | 204.19 | 37.88 |
| 26 09 23 00-0773 | EA | SafePlug Model 1203 Wireless Plug Load Controller, Dual Receptacle (Daintree Networks RSP-1203)<br>Note: ControlScope interoperable version is 9916 003 ZB HA or later. | 310.64 | 12.63 |
| 26 09 23 00-0774 | EA | SafePlug 1621 Reset Link Key (Daintree Networks RSP-1621)<br>Note: Required to reset a Safeplug 1203 to default settings. | 19.98 | |
| **26 09 23 00-0775** | | **Software And Support** *(26 09 23 00-0752)* | | |
| 26 09 23 00-0776 | EA | Regular Node License Bundle (25 Regular Wireless Nodes) (Daintree Networks N25)<br>Note: Includes 1 year of SUS. | 1,969.19 | |
| 26 09 23 00-0777 | EA | Software Updates and Support - 1 Year Extension (5 Wireless Nodes) (Daintree Networks SUS1-5)<br>Note: Node total must match the number of wireless node licenses purchased or installed on the system. | 128.43 | |
| 26 09 23 00-0778 | EA | Software Updates and Support - 3 Year Extension (5 Wireless Nodes) (Daintree Networks SUS3-5)<br>Note: Node total must match the number of wireless node licenses purchased or installed on the system. | 313.93 | |
| 26 09 23 00-0779 | EA | Thermostat Node License Bundle (5 Thermostat Wireless Nodes) (Daintree Networks T5)<br>Note: Includes 1 year of SUS. | 1,683.80 | |
| 26 09 23 00-0780 | EA | BACnet Supplemental Node License Bundle (5 Additional Wireless Nodes) (Daintree Networks CS-BAC-5)<br>Note: Requires CS-BAC; Supports additional wireless nodes above 1,000. Node total must match the number of wireless node licenses purchased or installed on the system. | 28.54 | |
| 26 09 23 00-0781 | EA | Multi-Facility Management (per additional facility) (Daintree Networks CS-MFM)<br>Note: Requires SC71. | 1,113.02 | |
| 26 09 23 00-0782 | HR | Engineering Assistance (Daintree Networks EAH1) | 428.08 | |
| 26 09 23 00-0783 | DAY | Engineering Assistance (Daintree Networks EA1) | 3,424.68 | |
| 26 09 23 00-0784 | EA | 2-Year Hardware Warranty Extension (Daintree Networks HWE2-SC51)<br>Note: Extends total hardware warranty to 3 years. Can be purchased before expiry of the included 1-year warranty. | 913.25 | |
| 26 09 23 00-0785 | EA | 2-Year Hardware Warranty Extension (Daintree Networks HWE2-SC71)<br>Note: Extends total hardware warranty to 3 years. Can be purchased before expiry of the included 1-year warranty. | 1,683.80 | |
| **26 09 23 00-0786** | | **Emergency Lighting Controls** *(26 09 23)* | | |
| **26 09 23 00-0787** | | **Emergency Lighting Control Units (Watt Stopper ELCU)** *(26 09 23 00-0786)*<br>Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power. | | |
| 26 09 23 00-0788 | EA | DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100) | 253.58 | 31.57 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 09 23 00-0789 | EA | 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200) | 253.58 | 31.57 |
| **26 09 23 00-0790** | | **Emergency Shunt Relays (Lighting Control & Design GR 2001™)** *(26 09 23 00-0786)* | | |
| | | Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch. | | |
| 26 09 23 00-0791 | EA | 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™) | 410.66 | 44.19 |
| 26 09 23 00-0792 | EA | 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™) | 561.24 | 50.51 |
| 26 09 23 00-0793 | EA | 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual) | 758.15 | 56.82 |
| | | Note: Controls normal and emergency lighting from single-pole wall switch. | | |
| **26 09 23 00-0794** | | **Photocells** *(26 09 23)* | | |
| 26 09 23 00-0795 | EA | Plug-In Photocell For Lighting Fixtures (Intermac® LC2000) | 99.19 | |
| 26 09 23 00-0796 | EA | Wired Photocell For Lighting Fixtures (Intermac® K4021C) | 224.59 | |
| **26 09 23 00-0797** | | **Outdoor Lighting Motion Sensors** *(26 09 23)* | | |
| 26 09 23 00-0798 | EA | 70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000) | 132.36 | 31.57 |
| 26 09 23 00-0799 | EA | 70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000) | 144.91 | 31.57 |
| 26 09 23 00-0800 | EA | 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR) | 610.96 | 31.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.94* | |
| **26 09 23 00-0801** | | **Street Light Controls** *(26 09 23)* | | |
| **26 09 23 00-0802** | | **Photo Controls** *(26 09 23 00-0801)* | | |
| 26 09 23 00-0803 | EA | Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014 | 104.29 | |
| 26 09 23 00-0804 | EA | Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016 | 119.78 | |
| **26 09 23 00-0805** | | **Connector Node** *(26 09 23 00-0801)* | | |
| 26 09 23 00-0806 | EA | Outdoor Lighting Connector Node (Philips City Touch LLC7260) | 552.89 | 3.52 |
| **26 09 23 00-0807** | | **Lighting Control Devices (Legrand)** *(26 09 23)* | | |
| 26 09 23 00-0808 | EA | Line-Voltage Wall Switch Occupancy Sensors (Legrand DW-100) | 249.53 | 28.40 |
| 26 09 23 00-0809 | EA | Line-Voltage Dimming Wall Switch Occupancy Sensors (Legrand DW-311) | 337.62 | 28.40 |
| 26 09 23 00-0810 | EA | Dual Technology, Ceiling Mount, Occupancy Sensor (Legrand LMDC-100) | 540.92 | 41.03 |
| 26 09 23 00-0811 | EA | 1 Relay Digital Room Controller, 0-10V Dimming (Legrand LMRC-211) | 406.32 | 28.40 |
| 26 09 23 00-0812 | EA | 2 Relay Digital Room Controller, 0-10V Dimming (Legrand LMRC-212) | 557.08 | 34.72 |
| 26 09 23 00-0813 | EA | 1 Button, Digital Dimming Wall Switch (Legrand LMDM-101) | 186.34 | 28.40 |
| 26 09 23 00-0814 | EA | 4 Button, Digital Wall Switch (Legrand LMSW-104) | 238.01 | 47.34 |

# 26 10 Medium-Voltage Electrical Distribution *(26)*

## 26 11 Substations *(26 10)*

### 26 11 13 Primary Unit Substations *(26 11)*

**26 11 13 00-0001** "Switchyard" Substation Primary Incoming Section *(26 11 13)*

**26 11 13 00-0002** Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)*

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

| | | | | |
|---|---|---|---|---|
| 26 11 13 00-0003 | EA | 14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation | 77,194.37 | 2,187.84 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,335.22* | |
| 26 11 13 00-0004 | EA | 23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation | 94,674.40 | 2,766.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,669.03* | |
| 26 11 13 00-0005 | EA | 34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation | 107,404.52 | 2,766.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,669.03* | |
| 26 11 13 00-0006 | EA | 46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation | 123,597.99 | 2,766.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,780.30* | |
| 26 11 13 00-0007 | EA | 69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation | 140,199.45 | 3,410.45 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2,054.19* | |

**26 11 13 00-0008** Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 11 13 00-0009 | EA | Reclosure Relay, Adjustable, 3 Shot, #179 | 2,047.35 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *136.40* | |
| 26 11 13 00-0010 | EA | Overcurrent Relay, 1 Phase, #51/51N | 615.65 | 167.01 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *90.97* | |
| 26 11 13 00-0011 | EA | Directional Overcurrent Relay, Three-Phase, Device No. 67 | 938.35 | 167.01 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *113.36* | |
| 26 11 13 00-0012 | EA | Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase | 741.23 | 167.01 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *90.97* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 11 13 00-0013 | EA | Differential Relay Package, Complete, Device No. 87 | 2,772.53 | 564.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *340.79* | |

## 26 11 13 00-0014 "Switchyard", Substation Transformer Section *(26 11 13)*

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

## 26 11 13 00-0015 14.4 KV Nominal Primary *(26 11 13 00-0014)*

| | | | | |
|---|---|---|---|---|
| 26 11 13 00-0016 | EA | 1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 44,074.89 | 2,187.84 |
| | | *For 50 Hz Operation, Add* | *4,754.90* | |
| | | *For Forced Air-Cooling, Add* | *4,754.90* | |
| | | *For External Control Panel, Add* | *1,188.72* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *396.24* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *1,981.21* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *4,953.02* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *5,943.62* | |
| 26 11 13 00-0017 | EA | 2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 50,297.42 | 2,741.23 |
| | | *For 50 Hz Operation, Add* | *5,368.08* | |
| | | *For Forced Air-Cooling, Add* | *5,368.08* | |
| | | *For External Control Panel, Add* | *1,342.02* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *447.34* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *2,236.70* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *5,591.75* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *6,710.10* | |
| 26 11 13 00-0018 | EA | 5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 77,520.69 | 3,860.88 |
| | | *For 50 Hz Operation, Add* | *8,352.99* | |
| | | *For Forced Air-Cooling, Add* | *8,352.99* | |
| | | *For External Control Panel, Add* | *2,088.25* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *696.08* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *3,480.41* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *8,701.03* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *10,441.24* | |
| 26 11 13 00-0019 | EA | 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 112,638.40 | 4,634.21 |
| | | *For 50 Hz Operation, Add* | *12,317.17* | |
| | | *For Forced Air-Cooling, Add* | *12,317.17* | |
| | | *For External Control Panel, Add* | *3,079.29* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *1,026.43* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *5,132.15* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *12,830.38* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *15,396.46* | |
| 26 11 13 00-0020 | EA | 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 138,733.43 | 5,997.21 |
| | | *For 50 Hz Operation, Add* | *15,148.71* | |
| | | *For Forced Air-Cooling, Add* | *15,148.71* | |
| | | *For External Control Panel, Add* | *3,787.18* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *1,262.39* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *6,311.96* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *15,779.91* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *18,935.89* | |

## 26 11 13 00-0021 23 KV Nominal Primary *(26 11 13 00-0014)*

| | | | | |
|---|---|---|---|---|
| 26 11 13 00-0022 | EA | 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 49,150.98 | 2,960.01 |
| | | *For 50 Hz Operation, Add* | *5,230.51* | |
| | | *For External Control Panel, Add* | *1,307.63* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *435.88* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *2,179.38* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *5,448.44* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *6,538.13* | |
| | | *For Forced Air-Cooling, Add* | *3,487.00* | |
| 26 11 13 00-0023 | EA | 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 56,040.83 | 2,960.01 |
| | | *For 50 Hz Operation, Add* | *5,918.73* | |
| | | *For External Control Panel, Add* | *1,479.68* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *493.23* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *2,466.14* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *6,165.34* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *7,398.41* | |
| | | *For Forced Air-Cooling, Add* | *3,945.82* | |
| 26 11 13 00-0024 | EA | 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 90,307.83 | 4,375.67 |
| | | *For 50 Hz Operation, Add* | *9,768.76* | |
| | | *For External Control Panel, Add* | *2,442.19* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *814.06* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *4,070.32* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *10,175.79* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *12,210.95* | |
| | | *For Forced Air-Cooling, Add* | *6,512.51* | |
| 26 11 13 00-0025 | EA | 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 121,036.32 | 5,997.21 |
| | | *For 50 Hz Operation, Add* | *13,025.06* | |
| | | *For External Control Panel, Add* | *3,256.26* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *1,085.42* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *5,427.11* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *13,567.77* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *16,281.32* | |
| | | *For Forced Air-Cooling, Add* | *8,683.37* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 11 13 00-0026 | EA | 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 150,531.53 | 5,997.21 |
| | | *For 50 Hz Operation, Add* | *16,564.48* | |
| | | *For External Control Panel, Add* | *4,141.12* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *1,380.37* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *6,901.87* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *17,254.67* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *20,705.60* | |
| | | *For Forced Air-Cooling, Add* | *11,042.99* | |

## 26 11 13 00-0027 34.5 KV Nominal Primary *(26 11 13 00-0014)*

| | | | | |
|---|---|---|---|---|
| 26 11 13 00-0028 | EA | 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 61,776.01 | 3,539.14 |
| | | *For 50 Hz Operation, Add* | *6,606.95* | |
| | | *For External Control Panel, Add* | *1,651.74* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *550.58* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *2,752.90* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *6,882.24* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *8,258.69* | |
| | | *For Forced Air-Cooling, Add* | *4,404.63* | |
| 26 11 13 00-0029 | EA | 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 74,620.53 | 5,533.93 |
| | | *For 50 Hz Operation, Add* | *7,983.39* | |
| | | *For External Control Panel, Add* | *1,995.85* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *665.28* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *3,326.41* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *8,316.03* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *9,979.24* | |
| | | *For Forced Air-Cooling, Add* | *5,322.26* | |
| 26 11 13 00-0030 | EA | 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 103,152.09 | 5,533.93 |
| | | *For 50 Hz Operation, Add* | *11,043.03* | |
| | | *For External Control Panel, Add* | *2,760.76* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *920.25* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *4,601.26* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *11,503.16* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *13,803.79* | |
| | | *For Forced Air-Cooling, Add* | *7,362.02* | |
| 26 11 13 00-0031 | EA | 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 132,834.33 | 5,860.91 |
| | | *For 50 Hz Operation, Add* | *14,440.82* | |
| | | *For External Control Panel, Add* | *3,610.20* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *1,203.40* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *6,017.01* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *15,042.52* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *18,051.02* | |
| | | *For Forced Air-Cooling, Add* | *9,627.21* | |
| 26 11 13 00-0032 | EA | 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 230,717.41 | 7,496.52 |
| | | *For 50 Hz Operation, Add* | *25,766.98* | |
| | | *For External Control Panel, Add* | *6,441.75* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *2,147.25* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *10,736.24* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *26,840.61* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *32,208.73* | |
| | | *For Forced Air-Cooling, Add* | *17,177.99* | |

## 26 11 13 00-0033 46 KV Nominal Primary *(26 11 13 00-0014)*

| | | | | |
|---|---|---|---|---|
| 26 11 13 00-0034 | EA | 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 95,190.51 | 4,118.27 |
| | | *For 50 Hz Operation, Add* | *10,451.79* | |
| | | *For External Control Panel, Add* | *2,612.95* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *870.98* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *4,354.91* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *10,887.28* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *13,064.74* | |
| | | *For Forced Air-Cooling, Add* | *6,967.86* | |
| 26 11 13 00-0035 | EA | 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 107,646.11 | 4,118.27 |
| | | *For 50 Hz Operation, Add* | *11,849.36* | |
| | | *For External Control Panel, Add* | *2,962.34* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *987.45* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *4,937.23* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *12,343.08* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *14,811.69* | |
| | | *For Forced Air-Cooling, Add* | *7,899.57* | |
| 26 11 13 00-0036 | EA | 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 149,365.17 | 5,533.93 |
| | | *For 50 Hz Operation, Add* | *16,588.60* | |
| | | *For External Control Panel, Add* | *4,147.15* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *1,382.38* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *6,911.92* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *17,279.79* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *20,735.75* | |
| | | *For Forced Air-Cooling, Add* | *11,059.07* | |
| 26 11 13 00-0037 | EA | 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 182,102.11 | 7,496.52 |
| | | *For 50 Hz Operation, Add* | *19,933.15* | |
| | | *For External Control Panel, Add* | *4,983.29* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *1,661.10* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *8,305.48* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *20,763.69* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *24,916.43* | |
| | | *For Forced Air-Cooling, Add* | *13,288.76* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 11 13 00-0038 | EA | 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 260,285.69 | 7,496.52 |
| | | *For 50 Hz Operation, Add* | *29,315.18* | |
| | | *For External Control Panel, Add* | *7,328.79* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *2,442.93* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *12,214.66* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *30,536.64* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *36,643.97* | |
| | | *For Forced Air-Cooling, Add* | *19,543.45* | |

### 26 11 13 00-0039 69 KV Nominal Primary *(26 11 13 00-0014)*

| | | | | |
|---|---|---|---|---|
| 26 11 13 00-0040 | EA | 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 137,593.93 | 4,375.67 |
| | | *For 50 Hz Operation, Add* | *15,443.09* | |
| | | *For External Control Panel, Add* | *3,860.77* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *1,286.92* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *6,434.62* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *16,086.56* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *19,303.87* | |
| | | *For Forced Air-Cooling, Add* | *10,295.40* | |
| 26 11 13 00-0041 | EA | 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 157,844.72 | 5,533.93 |
| | | *For 50 Hz Operation, Add* | *17,606.14* | |
| | | *For External Control Panel, Add* | *4,401.54* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *1,467.18* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *7,335.89* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *18,339.73* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *22,007.68* | |
| | | *For Forced Air-Cooling, Add* | *11,737.43* | |
| 26 11 13 00-0042 | EA | 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 217,786.49 | 5,533.93 |
| | | *For 50 Hz Operation, Add* | *24,799.16* | |
| | | *For External Control Panel, Add* | *6,199.79* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *2,066.60* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *10,332.98* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *25,832.46* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *30,998.95* | |
| | | *For Forced Air-Cooling, Add* | *16,532.77* | |
| 26 11 13 00-0043 | EA | 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 229,859.53 | 7,496.52 |
| | | *For 50 Hz Operation, Add* | *25,664.04* | |
| | | *For External Control Panel, Add* | *6,416.01* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *2,138.67* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *10,693.35* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *26,733.37* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *32,080.05* | |
| | | *For Forced Air-Cooling, Add* | *17,109.36* | |
| 26 11 13 00-0044 | EA | 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled | 302,056.67 | 7,496.52 |
| | | *For 50 Hz Operation, Add* | *34,327.69* | |
| | | *For External Control Panel, Add* | *8,581.92* | |
| | | *For Internally Mounted Current Transformers And Linear Couplers, Add* | *2,860.64* | |
| | | *For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add* | *14,303.21* | |
| | | *For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add* | *35,758.01* | |
| | | *For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add* | *42,909.62* | |
| | | *For Forced Air-Cooling, Add* | *22,885.13* | |

### 26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*

| | | | | |
|---|---|---|---|---|
| 26 11 13 00-0046 | EA | 1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section | 83,054.78 | 1,063.09 |
| 26 11 13 00-0047 | EA | 1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section | 91,240.76 | 1,063.09 |
| 26 11 13 00-0048 | EA | 1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section | 103,825.71 | 1,320.54 |
| 26 11 13 00-0049 | EA | 2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section | 96,912.61 | 1,587.88 |
| 26 11 13 00-0050 | EA | 2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section | 109,279.28 | 1,587.88 |
| 26 11 13 00-0051 | EA | 2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section | 124,654.98 | 1,844.76 |
| 26 11 13 00-0052 | EA | 3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section | 128,404.78 | 2,107.64 |
| 26 11 13 00-0053 | EA | 3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section | 143,801.98 | 2,107.64 |
| 26 11 13 00-0054 | EA | 3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section | 150,646.29 | 2,366.89 |

### 26 11 13 00-0055 12KVA OSHPD Substation: Power Transformer, Switchboards, Medium Voltage Switch Gear *(26 11 13)*

Note: California OSHPD (Office of Statewide Health Planning and Development) Approved High Voltage equipment set for a 12 KVA substation. Doesn't include concrete pad, conduit, electrical cable, installation.

| | | | | |
|---|---|---|---|---|
| 26 11 13 00-0056 | EA | 12KVA OSHPD Substation: Power Transformer, Switchboards, Medium Voltage Switch Gear<br>Note: Pow-R-Line CSwitchboard, Front Access/ Front and Rear Align, Type 3R (nonwalk-in) Flat Roof, 208Y/120V 3-Phase 4-Wire, 2000 Copper, Minimum Interrupting Rating: 100kA, Bus Bracing Rating: 100kA, OSHPD; Power Transformer, 001, 72216 - Cooper Liquid Filled Padmount, E = Petrochemical, 500, OSHPD; Outdoor, 15kV Max, 12.00kV system, 3 wires, 1200A, Silver-Plated Copper bus, 2 Structures, OSHPD; LAB30531X7K2 Sub-set model numbers (MS-A SWBD 2000A N3R, 1200A MEB IQ Transfer, 500kva Padmount). Excludes installation, material only. | 355,104.76 | |

## 26 11 16 Secondary Unit Substations *(26 11)*

### 26 11 16 11 Secondary Unit Substations with Switchgear Secondary *(26 11 16)*

### 26 11 16 11-0001 Substation Primary Incoming Section *(26 11 16 11)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 11 16 11-0002** | | **Manual Transferring Fused Load Break Switches** *(26 11 16 11-0001)* Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line. | | |
| 26 11 16 11-0003 | EA | 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position | 41,173.93 | 1,561.12 |
| 26 11 16 11-0004 | EA | 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position | 47,537.61 | 1,561.12 |
| **26 11 16 11-0005** | | **Automatic Transferring Fused Load Break Switches** *(26 11 16 11-0001)* Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line. | | |
| 26 11 16 11-0006 | EA | 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch | 58,264.35 | 1,561.12 |
| 26 11 16 11-0007 | EA | 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch | 62,405.87 | 1,561.12 |
| **26 11 16 11-0008** | | **Accessories For Substation Fused Load Break Switches** *(26 11 16 11-0001)* | | |
| 26 11 16 11-0009 | EA | Primary Lightning Arrestors Accessories, Secondary Distribution Section | 21,485.95 | |
| 26 11 16 11-0010 | EA | Key Interlock Accessories, Secondary Distribution Section | 2,091.38 | |
| **26 11 16 11-0011** | | **Oil Filled Substation Transformers** *(26 11 16 11)* Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof. | | |
| **26 11 16 11-0012** | | **Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ** *(26 11 16 11-0011)* | | |
| 26 11 16 11-0013 | EA | 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 37,453.74 | 965.22 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *2,486.63* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *1,065.70* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *355.23* | |
| 26 11 16 11-0014 | EA | 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 55,375.29 | 1,158.26 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *3,714.11* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *1,591.76* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *530.59* | |
| 26 11 16 11-0015 | EA | 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 62,709.81 | 1,286.96 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *4,209.51* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *1,804.08* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *601.36* | |
| 26 11 16 11-0016 | EA | 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 74,080.80 | 1,608.71 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *4,960.44* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *2,125.90* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *708.63* | |
| 26 11 16 11-0017 | EA | 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 82,305.01 | 1,994.79 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *5,482.08* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *2,349.46* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *783.15* | |
| 26 11 16 11-0018 | EA | 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 87,561.98 | 2,445.22 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *5,787.01* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *2,480.15* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *826.72* | |
| 26 11 16 11-0019 | EA | 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 102,342.65 | 1,286.96 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *6,749.58* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *2,892.68* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *964.23* | |
| 26 11 16 11-0020 | EA | 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 108,954.55 | 3,217.40 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *7,176.38* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *3,075.59* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *1,025.20* | |
| 26 11 16 11-0021 | EA | 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 121,831.73 | 3,539.14 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *8,032.74* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *3,442.60* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *1,147.53* | |
| 26 11 16 11-0022 | EA | 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 141,145.21 | 3,925.24 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *9,330.63* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *3,998.84* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *1,332.95* | |
| 26 11 16 11-0023 | EA | 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 155,033.87 | 4,279.15 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *10,253.29* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *4,394.27* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *1,464.76* | |
| **26 11 16 11-0024** | | **Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ** *(26 11 16 11-0011)* | | |
| 26 11 16 11-0025 | EA | 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 35,681.53 | 965.22 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *2,362.58* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *1,012.53* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *337.51* | |
| 26 11 16 11-0026 | EA | 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 54,414.54 | 965.22 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *3,673.89* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *1,574.52* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *524.84* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 11 16 11-0027 | EA | 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 62,670.59 | 1,286.96 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *4,206.77* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *1,802.90* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *600.97* | |
| 26 11 16 11-0028 | EA | 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 74,148.27 | 1,608.71 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *4,965.16* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *2,127.93* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *709.31* | |
| 26 11 16 11-0029 | EA | 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 89,191.40 | 1,994.79 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *5,964.13* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *2,556.05* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *852.02* | |
| 26 11 16 11-0030 | EA | 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 96,136.78 | 2,445.22 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *6,387.24* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *2,737.39* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *912.46* | |
| 26 11 16 11-0031 | EA | 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 106,302.16 | 2,960.01 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *7,026.75* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *3,011.46* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *1,003.82* | |
| 26 11 16 11-0032 | EA | 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 115,775.17 | 3,217.40 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *7,653.83* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *3,280.21* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *1,093.40* | |
| 26 11 16 11-0033 | EA | 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof | 130,651.84 | 3,539.14 |
| | | *For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add* | *8,650.15* | |
| | | *For Control Power Transformer On Fans And Auxiliary, Add* | *3,707.21* | |
| | | *For Internal Mounted Current Transformer And Linear Coupler, Add* | *1,235.74* | |

## 26 11 16 11-0034 Accessories For Oil Filled Substation Transformers *(26 11 16 11-0011)*

| | | | | |
|---|---|---|---|---|
| 26 11 16 11-0035 | EA | Sudden Pressure Relay | 10,766.97 | |
| 26 11 16 11-0036 | EA | Throats Or Flanges (HV Or LV) | 21,376.09 | |
| 26 11 16 11-0037 | EA | Lightning Arrestors (3 - 1 Pole) | 14,075.34 | |
| 26 11 16 11-0038 | EA | Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X) | 78,111.05 | |
| 26 11 16 11-0039 | EA | Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout | 73,080.66 | |

## 26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab *(26 11 16 11-0011)*

Note: For transformer liquid containment area.

| | | | | |
|---|---|---|---|---|
| 26 11 16 11-0041 | EA | 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area | 8,213.88 | 1,360.38 |
| 26 11 16 11-0042 | EA | 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area | 8,213.88 | 1,360.38 |
| 26 11 16 11-0043 | EA | 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area | 8,213.88 | 1,360.38 |
| 26 11 16 11-0044 | EA | 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area | 8,213.88 | 1,360.38 |
| 26 11 16 11-0045 | EA | 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area | 8,213.88 | 1,360.38 |
| 26 11 16 11-0046 | EA | 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area | 8,213.88 | 1,360.38 |
| 26 11 16 11-0047 | EA | 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area | 8,213.88 | 1,360.38 |
| 26 11 16 11-0048 | EA | 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area | 10,069.68 | 1,568.55 |

## 26 11 16 11-0049 Dry Type Substation Transformer *(26 11 16 11)*

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

## 26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*

Note: Primary 4.160 or 4.8 KV (delta or wye).

| | | | | |
|---|---|---|---|---|
| 26 11 16 11-0051 | EA | 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 66,181.57 | 1,029.57 |
| | | *For Gas Filled Transformers, Add* | *38,473.46* | |
| | | *For Single Phase Transformers, Deduct* | *-1,603.06* | |
| | | *For Dry Type Unit, Add* | *14,312.85* | |
| 26 11 16 11-0052 | EA | 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 66,310.27 | 1,093.92 |
| | | *For Gas Filled Transformers, Add* | *38,473.46* | |
| | | *For Single Phase Transformers, Deduct* | *-1,603.06* | |
| | | *For Dry Type Unit, Add* | *14,325.72* | |
| 26 11 16 11-0053 | EA | 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 67,531.59 | 1,286.96 |
| | | *For Gas Filled Transformers, Add* | *38,974.60* | |
| | | *For Single Phase Transformers, Deduct* | *-1,623.94* | |
| | | *For Dry Type Unit, Add* | *14,548.08* | |
| 26 11 16 11-0054 | EA | 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 74,543.22 | 1,415.66 |
| | | *For Gas Filled Transformers, Add* | *43,027.14* | |
| | | *For Single Phase Transformers, Deduct* | *-1,792.80* | |
| | | *For Dry Type Unit, Add* | *16,059.75* | |
| 26 11 16 11-0055 | EA | 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 82,608.00 | 1,673.05 |
| | | *For Gas Filled Transformers, Add* | *47,557.14* | |
| | | *For Single Phase Transformers, Deduct* | *-1,981.55* | |
| | | *For Dry Type Unit, Add* | *17,772.23* | |
| 26 11 16 11-0056 | EA | 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 95,717.09 | 1,930.44 |
| | | *For Gas Filled Transformers, Add* | *55,113.73* | |
| | | *For Single Phase Transformers, Deduct* | *-2,296.41* | |
| | | *For Dry Type Unit, Add* | *20,594.45* | |
| 26 11 16 11-0057 | EA | 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 111,036.84 | 2,316.53 |
| | | *For Gas Filled Transformers, Add* | *63,842.27* | |
| | | *For Single Phase Transformers, Deduct* | *-2,660.09* | |
| | | *For Dry Type Unit, Add* | *23,872.14* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 11 16 11-0058 | EA | 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 131,452.60 | 2,573.92 |
| | | *For Gas Filled Transformers, Add* | *75,782.85* | |
| | | *For Single Phase Transformers, Deduct* | *-3,157.62* | |
| | | *For Dry Type Unit, Add* | *28,301.83* | |
| 26 11 16 11-0059 | EA | 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 171,137.06 | 2,702.61 |
| | | *For Gas Filled Transformers, Add* | *99,439.09* | |
| | | *For Single Phase Transformers, Deduct* | *-4,143.30* | |
| | | *For Dry Type Unit, Add* | *37,001.52* | |
| **26 11 16 11-0060** | | **Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt** *(26 11 16 11-0049)* | | |
| | | Note: Primary 4.16 or 4.8 KV (delta or wye). | | |
| 26 11 16 11-0061 | EA | 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 63,906.05 | 1,029.57 |
| | | *For Gas Filled Transformers, Add* | *37,108.15* | |
| | | *For Single Phase Transformers, Deduct* | *-1,546.17* | |
| | | *For Dry Type Unit, Add* | *13,812.23* | |
| 26 11 16 11-0062 | EA | 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 66,310.27 | 1,093.92 |
| | | *For Gas Filled Transformers, Add* | *38,473.46* | |
| | | *For Single Phase Transformers, Deduct* | *-1,603.06* | |
| | | *For Dry Type Unit, Add* | *14,325.72* | |
| 26 11 16 11-0063 | EA | 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 67,531.59 | 1,286.96 |
| | | *For Gas Filled Transformers, Add* | *38,974.60* | |
| | | *For Single Phase Transformers, Deduct* | *-1,623.94* | |
| | | *For Dry Type Unit, Add* | *14,548.08* | |
| 26 11 16 11-0064 | EA | 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 74,543.22 | 1,415.66 |
| | | *For Gas Filled Transformers, Add* | *43,027.14* | |
| | | *For Single Phase Transformers, Deduct* | *-1,792.80* | |
| | | *For Dry Type Unit, Add* | *16,059.75* | |
| 26 11 16 11-0065 | EA | 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 82,608.00 | 1,673.05 |
| | | *For Gas Filled Transformers, Add* | *47,557.14* | |
| | | *For Single Phase Transformers, Deduct* | *-1,981.55* | |
| | | *For Dry Type Unit, Add* | *17,772.23* | |
| 26 11 16 11-0066 | EA | 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 95,717.09 | 1,930.44 |
| | | *For Gas Filled Transformers, Add* | *55,113.73* | |
| | | *For Single Phase Transformers, Deduct* | *-2,296.41* | |
| | | *For Dry Type Unit, Add* | *20,594.45* | |
| 26 11 16 11-0067 | EA | 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 111,036.84 | 2,316.53 |
| | | *For Gas Filled Transformers, Add* | *63,842.27* | |
| | | *For Single Phase Transformers, Deduct* | *-2,660.09* | |
| | | *For Dry Type Unit, Add* | *23,872.14* | |
| 26 11 16 11-0068 | EA | 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 131,452.60 | 2,573.92 |
| | | *For Gas Filled Transformers, Add* | *75,782.85* | |
| | | *For Single Phase Transformers, Deduct* | *-3,157.62* | |
| | | *For Dry Type Unit, Add* | *28,301.83* | |
| 26 11 16 11-0069 | EA | 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 171,137.06 | 2,702.61 |
| | | *For Gas Filled Transformers, Add* | *99,439.09* | |
| | | *For Single Phase Transformers, Deduct* | *-4,143.30* | |
| | | *For Dry Type Unit, Add* | *37,001.52* | |
| 26 11 16 11-0070 | EA | 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 188,007.10 | 2,831.32 |
| | | *For Gas Filled Transformers, Add* | *109,406.68* | |
| | | *For Single Phase Transformers, Deduct* | *-4,558.61* | |
| | | *For Dry Type Unit, Add* | *40,682.05* | |
| 26 11 16 11-0071 | EA | 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 210,079.27 | 2,960.01 |
| | | *For Gas Filled Transformers, Add* | *122,495.55* | |
| | | *For Single Phase Transformers, Deduct* | *-5,103.98* | |
| | | *For Dry Type Unit, Add* | *45,507.04* | |
| 26 11 16 11-0072 | EA | 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer | 242,535.98 | 3,088.71 |
| | | *For Gas Filled Transformers, Add* | *141,815.14* | |
| | | *For Single Phase Transformers, Deduct* | *-5,908.96* | |
| | | *For Dry Type Unit, Add* | *52,616.63* | |
| **26 11 16 11-0073** | | **Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt** *(26 11 16 11-0049)* | | |
| 26 11 16 11-0074 | EA | 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer | 71,147.85 | 1,158.26 |
| | | *For Gas Filled Transformers, Add* | *41,298.79* | |
| | | *For Single Phase Transformers, Deduct* | *-1,720.78* | |
| | | *For Dry Type Unit, Add* | *15,374.54* | |
| 26 11 16 11-0075 | EA | 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer | 73,538.91 | 1,222.61 |
| | | *For Gas Filled Transformers, Add* | *42,656.21* | |
| | | *For Single Phase Transformers, Deduct* | *-1,777.34* | |
| | | *For Dry Type Unit, Add* | *15,885.13* | |
| 26 11 16 11-0076 | EA | 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer | 78,561.56 | 1,415.66 |
| | | *For Gas Filled Transformers, Add* | *45,438.14* | |
| | | *For Single Phase Transformers, Deduct* | *-1,893.26* | |
| | | *For Dry Type Unit, Add* | *16,943.78* | |
| 26 11 16 11-0077 | EA | 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer | 82,896.48 | 1,544.35 |
| | | *For Gas Filled Transformers, Add* | *47,884.66* | |
| | | *For Single Phase Transformers, Deduct* | *-1,995.19* | |
| | | *For Dry Type Unit, Add* | *17,866.58* | |
| 26 11 16 11-0078 | EA | 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer | 94,486.35 | 1,801.74 |
| | | *For Gas Filled Transformers, Add* | *54,529.72* | |
| | | *For Single Phase Transformers, Deduct* | *-2,272.07* | |
| | | *For Dry Type Unit, Add* | *20,354.58* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 11 16 11-0079 | EA | 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer | 104,649.09 | 2,059.14 |
| | | *For Gas Filled Transformers, Add* | *60,318.49* | |
| | | *For Single Phase Transformers, Deduct* | *-2,513.27* | |
| | | *For Dry Type Unit, Add* | *22,528.61* | |
| 26 11 16 11-0080 | EA | 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer | 122,158.87 | 2,445.22 |
| | | *For Gas Filled Transformers, Add* | *70,361.05* | |
| | | *For Single Phase Transformers, Deduct* | *-2,931.71* | |
| | | *For Dry Type Unit, Add* | *26,288.10* | |
| 26 11 16 11-0081 | EA | 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer | 148,289.75 | 2,702.61 |
| | | *For Gas Filled Transformers, Add* | *85,730.71* | |
| | | *For Single Phase Transformers, Deduct* | *-3,572.11* | |
| | | *For Dry Type Unit, Add* | *31,975.12* | |
| 26 11 16 11-0082 | EA | 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer | 179,667.89 | 2,831.32 |
| | | *For Gas Filled Transformers, Add* | *104,403.16* | |
| | | *For Single Phase Transformers, Deduct* | *-4,350.13* | |
| | | *For Dry Type Unit, Add* | *38,847.42* | |
| 26 11 16 11-0083 | | Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)* | | |
| 26 11 16 11-0084 | EA | 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer | 71,147.85 | 1,158.26 |
| | | *For Gas Filled Transformers, Add* | *41,298.79* | |
| | | *For Single Phase Transformers, Deduct* | *-1,720.78* | |
| | | *For Dry Type Unit, Add* | *15,374.54* | |
| 26 11 16 11-0085 | EA | 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer | 73,538.91 | 1,222.61 |
| | | *For Gas Filled Transformers, Add* | *42,656.21* | |
| | | *For Single Phase Transformers, Deduct* | *-1,777.34* | |
| | | *For Dry Type Unit, Add* | *15,885.13* | |
| 26 11 16 11-0086 | EA | 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer | 78,561.56 | 1,415.66 |
| | | *For Gas Filled Transformers, Add* | *45,438.14* | |
| | | *For Single Phase Transformers, Deduct* | *-1,893.26* | |
| | | *For Dry Type Unit, Add* | *16,943.78* | |
| 26 11 16 11-0087 | EA | 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer | 82,896.48 | 1,544.35 |
| | | *For Gas Filled Transformers, Add* | *47,884.66* | |
| | | *For Single Phase Transformers, Deduct* | *-1,995.19* | |
| | | *For Dry Type Unit, Add* | *17,866.58* | |
| 26 11 16 11-0088 | EA | 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer | 94,486.35 | 1,801.74 |
| | | *For Gas Filled Transformers, Add* | *54,529.72* | |
| | | *For Single Phase Transformers, Deduct* | *-2,272.07* | |
| | | *For Dry Type Unit, Add* | *20,354.58* | |
| 26 11 16 11-0089 | EA | 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer | 91,495.77 | 2,059.14 |
| | | *For Gas Filled Transformers, Add* | *52,426.50* | |
| | | *For Single Phase Transformers, Deduct* | *-2,184.44* | |
| | | *For Dry Type Unit, Add* | *19,634.88* | |
| 26 11 16 11-0090 | EA | 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer | 95,136.84 | 2,445.22 |
| | | *For Gas Filled Transformers, Add* | *54,147.83* | |
| | | *For Single Phase Transformers, Deduct* | *-2,256.16* | |
| | | *For Dry Type Unit, Add* | *20,343.25* | |
| 26 11 16 11-0091 | EA | 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer | 117,330.24 | 2,702.61 |
| | | *For Gas Filled Transformers, Add* | *67,155.00* | |
| | | *For Single Phase Transformers, Deduct* | *-2,798.13* | |
| | | *For Dry Type Unit, Add* | *25,164.02* | |
| 26 11 16 11-0092 | EA | 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer | 139,540.28 | 2,831.32 |
| | | *For Gas Filled Transformers, Add* | *80,326.59* | |
| | | *For Single Phase Transformers, Deduct* | *-3,346.94* | |
| | | *For Dry Type Unit, Add* | *30,019.35* | |
| 26 11 16 11-0093 | EA | 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer | 156,208.87 | 2,960.01 |
| | | *For Gas Filled Transformers, Add* | *90,173.31* | |
| | | *For Single Phase Transformers, Deduct* | *-3,757.22* | |
| | | *For Dry Type Unit, Add* | *33,655.55* | |
| 26 11 16 11-0094 | EA | 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer | 183,808.12 | 3,088.71 |
| | | *For Gas Filled Transformers, Add* | *106,578.43* | |
| | | *For Single Phase Transformers, Deduct* | *-4,440.77* | |
| | | *For Dry Type Unit, Add* | *39,696.50* | |
| 26 11 16 11-0095 | EA | 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer | 226,022.16 | 3,217.40 |
| | | *For Gas Filled Transformers, Add* | *131,752.42* | |
| | | *For Single Phase Transformers, Deduct* | *-5,489.68* | |
| | | *For Dry Type Unit, Add* | *48,952.70* | |

# 26 12 Medium-Voltage Transformers *(26 10)*

## 26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

### 26 12 13 00-0001 Removal And Relocation Of Transformers *(26 12 13)*

| | | | | |
|---|---|---|---|---|
| 26 12 13 00-0002 | EA | Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer | 1,314.95 | |
| 26 12 13 00-0003 | EA | Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers | 2,419.88 | |

### 26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers *(26 12 13)*

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

### 26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA *(26 12 13 00-0004)*

| | | | | |
|---|---|---|---|---|
| 26 12 13 00-0006 | EA | 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 7,785.64 | 527.44 |
| 26 12 13 00-0007 | EA | 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 9,312.36 | 659.29 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 12 13 00-0008 | EA | 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 10,798.03 | 791.16 |
| 26 12 13 00-0009 | EA | 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 14,016.43 | 988.95 |
| 26 12 13 00-0010 | EA | 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 16,622.47 | 1,186.74 |
| 26 12 13 00-0011 | EA | 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 23,366.08 | 1,384.53 |
| 26 12 13 00-0012 | EA | 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 27,667.30 | 1,648.25 |
| **26 12 13 00-0013** | | **Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA** *(26 12 13 00-0004)* | | |
| 26 12 13 00-0014 | EA | 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 7,785.64 | 527.44 |
| 26 12 13 00-0015 | EA | 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 9,497.18 | 659.29 |
| 26 12 13 00-0016 | EA | 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 10,798.03 | 791.16 |
| 26 12 13 00-0017 | EA | 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 14,016.43 | 988.95 |
| 26 12 13 00-0018 | EA | 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 16,622.47 | 1,186.74 |
| 26 12 13 00-0019 | EA | 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 21,466.29 | 1,384.53 |
| 26 12 13 00-0020 | EA | 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 26,702.56 | 1,648.25 |
| **26 12 13 00-0021** | | **Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0004)* | | |
| 26 12 13 00-0022 | EA | 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 7,570.01 | 527.44 |
| 26 12 13 00-0023 | EA | 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 8,727.07 | 659.29 |
| 26 12 13 00-0024 | EA | 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 10,219.18 | 791.16 |
| 26 12 13 00-0025 | EA | 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 13,882.85 | 988.95 |
| 26 12 13 00-0026 | EA | 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 16,058.47 | 1,186.74 |
| 26 12 13 00-0027 | EA | 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 21,822.50 | 1,384.53 |
| 26 12 13 00-0028 | EA | 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 26,791.61 | 1,648.25 |
| **26 12 13 00-0029** | | **Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0004)* | | |
| 26 12 13 00-0030 | EA | 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 8,571.16 | 527.44 |
| 26 12 13 00-0031 | EA | 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 9,759.02 | 659.29 |
| 26 12 13 00-0032 | EA | 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 12,922.69 | 791.16 |
| 26 12 13 00-0033 | EA | 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 16,289.52 | 988.95 |
| 26 12 13 00-0034 | EA | 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 18,756.38 | 1,186.74 |
| 26 12 13 00-0035 | EA | 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 25,812.52 | 1,384.53 |
| 26 12 13 00-0036 | EA | 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 33,232.83 | 1,648.25 |
| **26 12 13 00-0037** | | **Transformer Platforms** *(26 12 13 00-0004)* | | |
| 26 12 13 00-0038 | EA | Transformer Platforms, 75 - 167 KVA | 5,650.84 | 890.71 |
| **26 12 13 00-0039** | | **Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN** *(26 12 13 00-0004)* | | |
| 26 12 13 00-0040 | EA | 10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 9,484.09 | 527.44 |
| 26 12 13 00-0041 | EA | 15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 10,587.94 | 659.29 |
| 26 12 13 00-0042 | EA | 25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 12,923.96 | 791.16 |
| 26 12 13 00-0043 | EA | 37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 16,287.96 | 988.95 |
| 26 12 13 00-0044 | EA | 50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 18,887.71 | 1,252.67 |
| 26 12 13 00-0045 | EA | 75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 25,816.39 | 1,384.53 |
| 26 12 13 00-0046 | EA | 100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 33,232.83 | 1,648.25 |
| 26 12 13 00-0047 | EA | 167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 44,517.34 | 2,109.76 |
| 26 12 13 00-0048 | EA | 250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 56,889.39 | 2,834.98 |
| 26 12 13 00-0049 | EA | 333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 66,661.68 | 3,296.49 |
| 26 12 13 00-0050 | EA | 500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 85,111.72 | 3,560.21 |
| **26 12 13 00-0051** | | **Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL** *(26 12 13 00-0004)* | | |
| 26 12 13 00-0052 | EA | 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 7,785.64 | 645.85 |
| 26 12 13 00-0053 | EA | 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 9,312.36 | 807.24 |
| 26 12 13 00-0054 | EA | 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 10,797.49 | 967.71 |
| 26 12 13 00-0055 | EA | 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 14,017.71 | 1,212.71 |
| 26 12 13 00-0056 | EA | 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 16,621.26 | 1,452.70 |
| 26 12 13 00-0057 | EA | 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 23,364.42 | 1,691.89 |
| 26 12 13 00-0058 | EA | 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase | 27,667.30 | 2,018.24 |
| **26 12 13 00-0059** | | **Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN** *(26 12 13 00-0004)* | | |
| 26 12 13 00-0060 | EA | 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 7,785.64 | 645.85 |
| 26 12 13 00-0061 | EA | 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 9,497.18 | 807.24 |
| 26 12 13 00-0062 | EA | 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 10,797.49 | 967.71 |
| 26 12 13 00-0063 | EA | 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 14,017.71 | 1,212.71 |
| 26 12 13 00-0064 | EA | 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 16,621.26 | 1,452.70 |
| 26 12 13 00-0065 | EA | 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 21,464.63 | 1,691.89 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 12 13 00-0066 | EA | 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 26,702.56 | 2,018.24 |
| **26 12 13 00-0067** | | **Primary 7.2 To 14.4 KV Ground Y** *(26 12 13 00-0004)* | | |
| **26 12 13 00-0068** | | **Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0067)* | | |
| 26 12 13 00-0069 | EA | 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 6,165.61 | 527.44 |
| 26 12 13 00-0070 | EA | 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 7,325.47 | 659.29 |
| 26 12 13 00-0071 | EA | 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 8,441.50 | 791.16 |
| 26 12 13 00-0072 | EA | 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 11,082.05 | 988.95 |
| 26 12 13 00-0073 | EA | 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 13,924.47 | 1,186.74 |
| 26 12 13 00-0074 | EA | 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 22,366.36 | 1,384.53 |
| 26 12 13 00-0075 | EA | 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase | 25,699.73 | 1,648.25 |
| **26 12 13 00-0076** | | **Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN** *(26 12 13 00-0067)* | | |
| 26 12 13 00-0077 | EA | 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 5,675.54 | 527.44 |
| 26 12 13 00-0078 | EA | 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 6,709.38 | 659.29 |
| 26 12 13 00-0079 | EA | 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 8,161.46 | 791.16 |
| 26 12 13 00-0080 | EA | 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 10,521.97 | 988.95 |
| 26 12 13 00-0081 | EA | 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 13,154.36 | 1,186.74 |
| 26 12 13 00-0082 | EA | 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 19,565.95 | 1,384.53 |
| 26 12 13 00-0083 | EA | 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase | 22,899.33 | 1,648.25 |
| **26 12 16** | | **Dry-Type, Medium-Voltage Transformers** *(26 12)* | | |
| **26 12 16 00-0001** | | **Removal and Relocation of Transformers** *(26 12 16)* | | |
| 26 12 16 00-0002 | EA | Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer | 534.08 | |
| 26 12 16 00-0003 | EA | Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer | 2,373.73 | |
| **26 12 19** | | **Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers** *(26 12)* | | |
| **26 12 19 00-0001** | | **Single Phase Pad Mounted Oil Filled Distribution Transformers** *(26 12 19)*<br>Note: Designed for residential and multi-family buildings. UL listed. | | |
| **26 12 19 00-0002** | | **Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled** *(26 12 19 00-0001)*<br>Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system. | | |
| **26 12 19 00-0003** | | **Primary, 4.16/4.8 KV Ground Y Or Delta** *(26 12 19 00-0002)*<br>Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA. | | |
| 26 12 19 00-0004 | EA | 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 18,718.67 | 643.48 |
| 26 12 19 00-0005 | EA | 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 20,296.80 | 772.18 |
| 26 12 19 00-0006 | EA | 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 24,213.94 | 900.87 |
| 26 12 19 00-0007 | EA | 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 30,104.48 | 965.22 |
| 26 12 19 00-0008 | EA | 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 34,240.77 | 1,029.57 |
| 26 12 19 00-0009 | EA | 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 44,804.89 | 1,351.31 |
| **26 12 19 00-0010** | | **Factory Modifications Material Cost Only** *(26 12 19 00-0002)* | | |
| 26 12 19 00-0011 | EA | Loadbreaker Current Limiting Fuse Factory Modifications | 4,173.93 | |
| 26 12 19 00-0012 | EA | Loadbreaker Oil Switch, 2 Position Factory Modifications | 4,385.65 | |
| 26 12 19 00-0013 | EA | Loadbreaker Inserts, Factory Modifications | 4,824.22 | |
| **26 12 19 00-0014** | | **Distribution - Single Phase Multiple Building Transformer** *(26 12 19 00-0001)*<br>Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below. | | |
| **26 12 19 00-0015** | | **Primary, 4.16/4.8 KVA Ground Y Or Delta** *(26 12 19 00-0014)*<br>Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA. | | |
| 26 12 19 00-0016 | EA | 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 23,767.50 | 643.48 |
| 26 12 19 00-0017 | EA | 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 26,663.25 | 643.48 |
| 26 12 19 00-0018 | EA | 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 28,568.99 | 881.56 |
| 26 12 19 00-0019 | EA | 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 35,856.71 | 881.56 |
| 26 12 19 00-0020 | EA | 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 40,284.40 | 1,158.26 |
| 26 12 19 00-0021 | EA | 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 48,276.60 | 1,158.26 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 12 19 00-0022 | EA | 250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 78,482.14 | 1,608.71 |
| **26 12 19 00-0023** | | **Factory Modifications Material Cost Only** *(26 12 19 00-0014)* | | |
| 26 12 19 00-0024 | EA | Loadbreaker Current Limiting Fuse Factory Modifications | 5,565.24 | |
| 26 12 19 00-0025 | EA | Lightning Arrestors, Factory Modifications | 1,410.08 | |
| 26 12 19 00-0026 | EA | Loadbreaker Oil Switch, 2 Position Factory Modifications | 4,385.65 | |
| 26 12 19 00-0027 | EA | Loop Feed Air Switch, Factory Modifications | 7,138.03 | |
| 26 12 19 00-0028 | EA | Loadbreaker Inserts (Two), Factory Modifications | 1,905.49 | |
| 26 12 19 00-0029 | EA | Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications | 1,648.40 | |
| **26 12 19 00-0030** | | **Primary, 12.47 KV Ground Y Or Delta** *(26 12 19 00-0014)*<br>Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA. | | |
| 26 12 19 00-0031 | EA | 25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 25,818.62 | 643.48 |
| 26 12 19 00-0032 | EA | 37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 27,356.37 | 643.48 |
| 26 12 19 00-0033 | EA | 50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 28,300.70 | 881.56 |
| 26 12 19 00-0034 | EA | 75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 34,233.54 | 881.56 |
| 26 12 19 00-0035 | EA | 100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 43,674.39 | 1,158.26 |
| 26 12 19 00-0036 | EA | 167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 54,275.37 | 1,158.40 |
| 26 12 19 00-0037 | EA | 250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt | 68,929.43 | 1,608.71 |
| **26 12 19 00-0038** | | **Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)*<br>Note: Conventional type. | | |
| **26 12 19 00-0039** | | **13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)*<br>Note: 2.5 Taps FCBN and FCAN. | | |
| 26 12 19 00-0040 | EA | 10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 17,131.22 | 446.03 |
| 26 12 19 00-0041 | EA | 37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 21,128.47 | 627.23 |
| 26 12 19 00-0042 | EA | 50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 32,462.17 | 1,003.57 |
| 26 12 19 00-0043 | EA | 100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 58,744.46 | 1,003.57 |
| 26 12 19 00-0044 | EA | 167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 81,129.03 | 1,644.74 |
| 26 12 19 00-0045 | EA | 250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 109,471.28 | 1,644.74 |
| **26 12 19 00-0046** | | **Oil Filled Distribution Transformer Single Phase** *(26 12 19 00-0001)* | | |
| **26 12 19 00-0047** | | **7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)* | | |
| 26 12 19 00-0048 | EA | 10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 16,585.11 | 473.91 |
| 26 12 19 00-0049 | EA | 15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 18,090.14 | 473.91 |
| 26 12 19 00-0050 | EA | 25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 21,382.63 | 669.05 |
| 26 12 19 00-0051 | EA | 37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 27,439.76 | 669.05 |
| 26 12 19 00-0052 | EA | 50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 31,585.12 | 906.00 |
| 26 12 19 00-0053 | EA | 100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 57,349.77 | 1,393.85 |
| 26 12 19 00-0054 | EA | 167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 80,036.82 | 1,393.85 |
| 26 12 19 00-0055 | EA | 250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 107,785.35 | 1,742.31 |
| **26 12 19 00-0056** | | **7.2 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)* | | |
| 26 12 19 00-0057 | EA | 10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 16,585.11 | 473.91 |
| 26 12 19 00-0058 | EA | 15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 18,090.70 | 473.91 |
| 26 12 19 00-0059 | EA | 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 21,382.63 | 669.05 |
| 26 12 19 00-0060 | EA | 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 27,439.76 | 669.05 |
| 26 12 19 00-0061 | EA | 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 31,585.12 | 906.00 |
| 26 12 19 00-0062 | EA | 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 49,208.59 | 1,226.58 |
| 26 12 19 00-0063 | EA | 100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 57,349.77 | 1,226.58 |
| 26 12 19 00-0064 | EA | 167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 80,036.82 | 1,547.17 |
| 26 12 19 00-0065 | EA | 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 107,785.35 | 1,742.31 |
| **26 12 19 00-0066** | | **2.4 KV Primary, 277 Volt Secondary** *(26 12 19 00-0046)* | | |
| 26 12 19 00-0067 | EA | 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 18,298.85 | 473.91 |
| 26 12 19 00-0068 | EA | 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 19,957.77 | 473.91 |
| 26 12 19 00-0069 | EA | 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 23,596.91 | 669.05 |
| 26 12 19 00-0070 | EA | 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 30,268.42 | 669.05 |
| 26 12 19 00-0071 | EA | 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 34,837.06 | 906.00 |
| 26 12 19 00-0072 | EA | 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 54,127.12 | 1,226.58 |
| 26 12 19 00-0073 | EA | 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 63,338.60 | 1,226.58 |
| 26 12 19 00-0074 | EA | 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 88,442.66 | 1,547.17 |
| 26 12 19 00-0075 | EA | 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 119,180.46 | 1,742.31 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 12 19 00-0076** | | **2.4 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)* | | |
| 26 12 19 00-0077 | EA | 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 16,585.11 | 473.91 |
| 26 12 19 00-0078 | EA | 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 18,090.14 | 473.91 |
| 26 12 19 00-0079 | EA | 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 21,382.63 | 910.32 |
| 26 12 19 00-0080 | EA | 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 27,439.76 | 1,226.58 |
| 26 12 19 00-0081 | EA | 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 31,585.12 | 906.00 |
| 26 12 19 00-0082 | EA | 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 49,015.31 | 1,226.58 |
| 26 12 19 00-0083 | EA | 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 57,338.57 | 1,226.58 |
| **26 12 19 00-0084** | | **2.4 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)* | | |
| 26 12 19 00-0085 | EA | 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 16,585.11 | 473.91 |
| 26 12 19 00-0086 | EA | 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 18,090.14 | 473.91 |
| 26 12 19 00-0087 | EA | 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 21,382.63 | 669.05 |
| 26 12 19 00-0088 | EA | 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 27,439.76 | 669.05 |
| 26 12 19 00-0089 | EA | 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 31,585.12 | 906.00 |
| 26 12 19 00-0090 | EA | 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 49,015.31 | 1,226.58 |
| 26 12 19 00-0091 | EA | 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 57,338.57 | 1,226.58 |
| **26 12 19 00-0092** | | **2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)* | | |
| 26 12 19 00-0093 | EA | 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 13,921.56 | 487.84 |
| 26 12 19 00-0094 | EA | 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 15,081.92 | 543.60 |
| 26 12 19 00-0095 | EA | 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 18,478.46 | 599.35 |
| 26 12 19 00-0096 | EA | 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 23,336.96 | 836.31 |
| 26 12 19 00-0097 | EA | 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 25,910.74 | 975.70 |
| 26 12 19 00-0098 | EA | 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 36,312.98 | 1,142.96 |
| 26 12 19 00-0099 | EA | 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 43,867.95 | 1,310.22 |
| 26 12 19 00-0100 | EA | 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 69,610.38 | 1,672.62 |
| 26 12 19 00-0101 | EA | 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase | 97,258.08 | 1,881.70 |
| **26 12 19 00-0102** | | **3 Phase Pad Mounted Oil Filled Distribution Transformers** *(26 12 19)* | | |
| **26 12 19 00-0103** | | **Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt** *(26 12 19 00-0102)*<br>Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL. | | |
| 26 12 19 00-0104 | EA | 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase | 28,367.77 | 1,846.03 |
| 26 12 19 00-0105 | EA | 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase | 35,707.61 | 1,977.89 |
| 26 12 19 00-0106 | EA | 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase | 47,467.38 | 2,505.34 |
| 26 12 19 00-0107 | EA | 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase | 62,031.02 | 3,164.63 |
| 26 12 19 00-0108 | EA | 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase | 92,033.86 | 3,560.21 |
| 26 12 19 00-0109 | EA | 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase | 115,496.97 | 4,746.95 |
| **26 12 19 00-0110** | | **Pad Mounted Commercial Type Distribution Transformers UL Listed** *(26 12 19)* | | |
| **26 12 19 00-0111** | | **Distribution 3 Phase Oil Filled Transformer** *(26 12 19 00-0110)*<br>Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below. | | |
| **26 12 19 00-0112** | | **Factory Modifications** *(26 12 19 00-0111)*<br>Note: For use with series 4100 3 phase transformers. | | |
| 26 12 19 00-0113 | EA | Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification | 3,183.39 | |
| 26 12 19 00-0114 | EA | Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification | 517.65 | |
| 26 12 19 00-0115 | EA | Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification | 2,070.62 | |
| 26 12 19 00-0116 | EA | Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification | 5,965.57 | |
| 26 12 19 00-0117 | EA | Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification | 730.81 | |
| 26 12 19 00-0118 | EA | Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification | 578.56 | |
| **26 12 19 00-0119** | | **Accessories For Transformer Liquid Containment Area** *(26 12 19 00-0111)*<br>Note: Reinforced concrete curb with 6" slab. | | |
| 26 12 19 00-0120 | EA | Containment Area For 75 KVA | 8,008.19 | 2,274.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,516.35* | |
| 26 12 19 00-0121 | EA | Containment Area For 112.5 KVA | 8,008.19 | 2,274.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,516.35* | |
| 26 12 19 00-0122 | EA | Containment Area For 150 KVA | 8,008.19 | 2,274.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,516.35* | |
| 26 12 19 00-0123 | EA | Containment Area For 225 KVA | 8,008.19 | 2,274.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,516.35* | |
| 26 12 19 00-0124 | EA | Containment Area For 300 KVA | 8,000.03 | 2,274.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,513.91* | |
| 26 12 19 00-0125 | EA | Containment Area For 500 KVA | 8,000.03 | 2,274.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,513.91* | |
| 26 12 19 00-0126 | EA | Containment Area For 750 KVA | 8,085.29 | 2,274.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,513.91* | |
| 26 12 19 00-0127 | EA | Containment Area For 1,000 KVA | 9,321.57 | 2,274.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,513.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 12 19 00-0128 | | **Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA. | | |
| 26 12 19 00-0129 | EA | 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 19,138.45 | 1,544.35 |
| 26 12 19 00-0130 | EA | 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 20,965.46 | 1,544.35 |
| 26 12 19 00-0131 | EA | 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 22,183.47 | 1,544.35 |
| 26 12 19 00-0132 | EA | 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 25,837.51 | 1,544.35 |
| 26 12 19 00-0133 | EA | 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 27,483.55 | 2,316.53 |
| 26 12 19 00-0134 | EA | 300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 28,701.56 | 2,316.53 |
| 26 12 19 00-0135 | EA | 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 43,317.70 | 2,316.53 |
| 26 12 19 00-0136 | EA | 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 55,329.04 | 3,088.71 |
| 26 12 19 00-0137 | EA | 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 71,163.18 | 3,088.71 |
| 26 12 19 00-0138 | | **Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA. | | |
| 26 12 19 00-0139 | EA | 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 19,747.45 | 1,544.35 |
| 26 12 19 00-0140 | EA | 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 22,183.47 | 1,544.35 |
| 26 12 19 00-0141 | EA | 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 22,792.48 | 1,544.35 |
| 26 12 19 00-0142 | EA | 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 23,401.48 | 1,544.35 |
| 26 12 19 00-0143 | EA | 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 27,483.55 | 2,316.53 |
| 26 12 19 00-0144 | EA | 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 29,919.58 | 2,316.53 |
| 26 12 19 00-0145 | EA | 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 43,317.70 | 2,316.53 |
| 26 12 19 00-0146 | EA | 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 55,938.04 | 3,088.71 |
| 26 12 19 00-0147 | EA | 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 71,163.18 | 3,088.71 |
| 26 12 19 00-0148 | | **Primary 5 KV Or 15 KV, Secondary 277/480 Volt** *(26 12 19 00-0110)* Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted. | | |
| 26 12 19 00-0149 | EA | 150 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 67,795.35 | 2,030.64 |
| 26 12 19 00-0150 | EA | 225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 73,885.97 | 2,397.21 |
| 26 12 19 00-0151 | EA | 300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 82,739.02 | 2,929.92 |
| 26 12 19 00-0152 | EA | 500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 98,730.99 | 3,296.49 |
| 26 12 19 00-0153 | EA | 750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 121,939.30 | 3,469.88 |
| 26 12 19 00-0154 | EA | 1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 146,618.14 | 5,070.01 |
| 26 12 19 00-0155 | EA | 1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 172,809.97 | 5,735.90 |
| 26 12 19 00-0156 | EA | 2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 216,859.45 | 6,592.98 |
| 26 12 19 00-0157 | EA | 2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 240,311.18 | 6,922.63 |
| 26 12 19 00-0158 | EA | 3,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 253,054.15 | 7,714.06 |
| 26 12 19 00-0159 | EA | 3,750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer | 291,510.94 | 8,241.49 |
| 26 12 19 00-0160 | | **Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled** *(26 12 19 00-0110)* | | |
| 26 12 19 00-0161 | EA | 1,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 125,310.15 | 5,735.34 |
| 26 12 19 00-0162 | EA | 2,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 154,578.96 | 6,595.68 |
| 26 12 19 00-0163 | EA | 2,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 176,226.35 | 6,942.77 |
| 26 12 19 00-0164 | EA | 3,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 186,856.15 | 7,759.60 |
| 26 12 19 00-0165 | EA | 3,750 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 210,072.09 | 7,994.73 |
| 26 12 19 00-0166 | | **Silicone Filled Distribution Transformers, 3 Phase** *(26 12 19 00-0110)* Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted. | | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 12 19 00-0167 | EA | 225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 118,264.30 | 2,397.21 |
| 26 12 19 00-0168 | EA | 300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 126,581.27 | 2,929.92 |
| 26 12 19 00-0169 | EA | 500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 148,445.26 | 3,296.49 |
| 26 12 19 00-0170 | EA | 750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 180,461.61 | 3,469.88 |
| 26 12 19 00-0171 | EA | 1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 215,334.03 | 5,070.01 |
| 26 12 19 00-0172 | EA | 1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 274,646.71 | 5,735.90 |
| 26 12 19 00-0173 | EA | 2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 334,497.87 | 6,592.98 |
| 26 12 19 00-0174 | EA | 2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer | 383,314.05 | 6,922.63 |

# 26 13 Medium-Voltage Switchgear *(26 10)*

## 26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

### 26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section *(26 13 16)*

Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

### 26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 13 16 00-0003 | EA | 1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 17,587.13 | 1,449.61 |
| | | *For Weatherproofing, Add* | *3,665.90* | |
| 26 13 16 00-0004 | EA | 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 18,484.55 | 1,449.61 |
| | | *For Weatherproofing, Add* | *3,863.33* | |
| 26 13 16 00-0005 | EA | 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 25,262.02 | 1,846.86 |
| | | *For Weatherproofing, Add* | *5,313.11* | |
| 26 13 16 00-0006 | EA | 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 34,567.93 | 1,846.86 |
| | | *For Weatherproofing, Add* | *7,329.32* | |
| 26 13 16 00-0007 | EA | 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 49,752.65 | 2,230.16 |
| | | *For Weatherproofing, Add* | *10,632.86* | |
| 26 13 16 00-0008 | EA | 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 45,296.60 | 2,230.16 |
| | | *For Weatherproofing, Add* | *9,636.74* | |

### 26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 13 16 00-0010 | EA | 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 26,441.05 | 1,672.62 |
| | | *For Weatherproofing, Add* | *5,592.73* | |
| 26 13 16 00-0011 | EA | 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 32,425.17 | 2,090.77 |
| | | *For Weatherproofing, Add* | *6,840.54* | |
| 26 13 16 00-0012 | EA | 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 45,765.40 | 2,508.93 |
| | | *For Weatherproofing, Add* | *9,726.04* | |

### 26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 13 16 00-0014 | EA | 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 25,434.02 | 1,672.62 |
| | | *For Weatherproofing, Add* | *5,352.77* | |
| 26 13 16 00-0015 | EA | 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 35,143.34 | 1,672.62 |
| | | *For Weatherproofing, Add* | *7,448.73* | |
| 26 13 16 00-0016 | EA | 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 51,548.51 | 2,230.16 |
| | | *For Weatherproofing, Add* | *11,012.16* | |
| 26 13 16 00-0017 | EA | 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 31,985.43 | 2,230.16 |
| | | *For Weatherproofing, Add* | *6,727.05* | |
| 26 13 16 00-0018 | EA | 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 46,696.52 | 2,787.70 |
| | | *For Weatherproofing, Add* | *9,923.52* | |
| 26 13 16 00-0019 | EA | 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 65,589.75 | 2,787.70 |
| | | *For Weatherproofing, Add* | *14,037.90* | |
| 26 13 16 00-0020 | EA | 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 44,897.72 | 2,787.70 |
| | | *For Weatherproofing, Add* | *9,516.13* | |
| 26 13 16 00-0021 | EA | 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 62,504.83 | 2,787.70 |
| | | *For Weatherproofing, Add* | *13,349.54* | |
| 26 13 16 00-0022 | EA | 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section | 81,220.31 | 2,787.70 |
| | | *For Weatherproofing, Add* | *17,428.97* | |

### 26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 13 16 00-0024 | EA | 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 7,803.79 | 912.97 |
| | | *For Weatherproofing, Add* | *1,588.79* | |
| 26 13 16 00-0025 | EA | 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 10,236.71 | 912.97 |
| | | *For Weatherproofing, Add* | *2,124.03* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 13 16 00-0026 | EA | 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 11,028.52 | 1,212.65 |
| | | *For Weatherproofing, Add* | *2,256.88* | |
| 26 13 16 00-0027 | EA | 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 13,666.44 | 1,498.39 |
| | | *For Weatherproofing, Add* | *2,796.79* | |
| 26 13 16 00-0028 | EA | 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 18,590.48 | 1,498.39 |
| | | *For Weatherproofing, Add* | *3,880.08* | |
| **26 13 16 00-0029** | | **7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)* | | |
| 26 13 16 00-0030 | EA | 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 9,912.12 | 1,393.85 |
| | | *For Weatherproofing, Add* | *2,034.82* | |
| 26 13 16 00-0031 | EA | 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 12,978.73 | 1,393.85 |
| | | *For Weatherproofing, Add* | *2,668.41* | |
| 26 13 16 00-0032 | EA | 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 19,938.52 | 1,393.85 |
| | | *For Weatherproofing, Add* | *4,159.04* | |
| **26 13 16 00-0033** | | **13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)* | | |
| 26 13 16 00-0034 | EA | 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 10,187.09 | 1,184.77 |
| | | *For Weatherproofing, Add* | *2,076.07* | |
| 26 13 16 00-0035 | EA | 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 10,891.21 | 1,184.77 |
| | | *For Weatherproofing, Add* | *2,230.97* | |
| 26 13 16 00-0036 | EA | 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 15,678.98 | 1,463.54 |
| | | *For Weatherproofing, Add* | *3,243.53* | |
| 26 13 16 00-0037 | EA | 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 13,828.34 | 1,756.25 |
| | | *For Weatherproofing, Add* | *2,795.85* | |
| 26 13 16 00-0038 | EA | 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 17,146.42 | 1,756.25 |
| | | *For Weatherproofing, Add* | *3,525.83* | |
| 26 13 16 00-0039 | EA | 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 19,704.60 | 2,048.96 |
| | | *For Weatherproofing, Add* | *4,047.20* | |
| 26 13 16 00-0040 | EA | 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 18,319.70 | 2,341.67 |
| | | *For Weatherproofing, Add* | *3,701.82* | |
| 26 13 16 00-0041 | EA | 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 20,593.35 | 2,341.67 |
| | | *For Weatherproofing, Add* | *4,202.02* | |
| 26 13 16 00-0042 | EA | 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 25,454.70 | 2,620.44 |
| | | *For Weatherproofing, Add* | *5,230.45* | |
| **26 13 16 00-0043** | | **Accessories For Substation Secondary Distribution Sections** *(26 13 16 00-0001)* | | |
| 26 13 16 00-0044 | EA | 1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section | 4,855.99 | 883.28 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *529.98* | |
| 26 13 16 00-0045 | EA | 2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section | 6,110.57 | 980.15 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *588.12* | |
| 26 13 16 00-0046 | EA | 3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section | 8,008.39 | 1,179.20 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *707.54* | |
| 26 13 16 00-0047 | EA | 3-Phase Pothead Termination Accessories, Secondary Distribution Section | 4,733.03 | 1,773.39 |
| 26 13 16 00-0048 | EA | 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section | 6,365.24 | 115.18 |
| 26 13 16 00-0049 | EA | 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section | 8,514.34 | 115.18 |
| 26 13 16 00-0050 | EA | 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section | 15,622.18 | 115.18 |
| 26 13 16 00-0051 | EA | 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section | 12,269.38 | 115.18 |
| 26 13 16 00-0052 | EA | 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section | 13,397.53 | 115.18 |
| 26 13 16 00-0053 | EA | 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section | 18,250.10 | 115.18 |
| 26 13 16 00-0054 | EA | 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section | 2,863.39 | 115.18 |
| 26 13 16 00-0055 | EA | 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section | 3,241.14 | 115.18 |
| 26 13 16 00-0056 | EA | 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section | 4,942.04 | 115.18 |
| 26 13 16 00-0057 | EA | Overcurrent Phase Protection, Time And Instantaneous Device 67 | 3,150.27 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 16 00-0058 | EA | AC Ammeter With Switch | 1,210.47 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 16 00-0059 | EA | AC Voltmeter With Switch And Potential Transformer | 1,210.47 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 16 00-0060 | EA | Indicating Wattmeter | 1,806.70 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 16 00-0061 | EA | Indicating Varmeter | 2,137.49 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 16 00-0062 | EA | Indicating Watt-hour Meter, 2 Element | 1,328.90 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 16 00-0063 | EA | Ground Protection, Time Or Instantaneous Device 67N | 2,907.92 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 16 00-0064 | EA | Differential Generator Protection Single Phase NEMA Device 87 | 6,016.08 | 115.18 |
| 26 13 16 00-0065 | EA | Current Transformers 5 And 15 KV Single Secondary | 809.24 | 115.18 |
| 26 13 16 00-0066 | EA | Potential Transformers 5 KV And 15 KV With Primary Fuses | 4,002.76 | 115.18 |

## 26 13 19 Medium-Voltage Vacuum Interrupter Switchgear *(26 13)*

26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV *(26 13 19)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 13 19 00-0002 | EA | 1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section | 64,714.56 | 1,742.31 |
| 26 13 19 00-0003 | EA | 1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section | 71,432.06 | 2,202.28 |
| 26 13 19 00-0004 | EA | 1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section | 81,085.31 | 2,202.28 |
| 26 13 19 00-0005 | EA | 2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section | 74,235.15 | 1,742.31 |
| 26 13 19 00-0006 | EA | 2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section | 83,576.99 | 1,742.31 |
| 26 13 19 00-0007 | EA | 2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section | 95,249.33 | 2,048.96 |
| 26 13 19 00-0008 | EA | 3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section | 98,209.84 | 2,341.67 |
| 26 13 19 00-0009 | EA | 3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section | 107,599.12 | 2,341.67 |
| 26 13 19 00-0010 | EA | 3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section | 117,548.34 | 2,634.38 |

## 26 13 29 Medium-Voltage Compartmentalized Switchgear *(26 13)*

### 26 13 29 00-0001 Substation Secondary Distribution Section *(26 13 29)*

Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.

### 26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker *(26 13 29 00-0001)*

Note: With solid state long - time and instantaneous trips.

| | | | | |
|---|---|---|---|---|
| 26 13 29 00-0003 | EA | 800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206 | 20,574.28 | 1,117.39 |
| 26 13 29 00-0004 | EA | 1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416 | 32,366.08 | 1,689.39 |
| 26 13 29 00-0005 | EA | 2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420 | 43,810.91 | 2,075.15 |
| 26 13 29 00-0006 | EA | 3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632 | 73,120.21 | 2,407.70 |
| 26 13 29 00-0007 | EA | 4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840 | 94,081.07 | 2,740.26 |

### 26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker *(26 13 29 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 13 29 00-0009 | EA | 800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 9,101.52 | 339.20 |
| 26 13 29 00-0010 | EA | 1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 10,517.10 | 339.20 |
| 26 13 29 00-0011 | EA | 2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 13,760.71 | 498.83 |
| 26 13 29 00-0012 | EA | 3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 19,726.82 | 498.83 |
| 26 13 29 00-0013 | EA | 4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section | 32,995.40 | 731.62 |

### 26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering *(26 13 29 00-0001)*

Note: No provisions for future breaker.

| | | | | |
|---|---|---|---|---|
| 26 13 29 00-0015 | EA | 600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section | 8,173.95 | 379.11 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *216.78* | |
| 26 13 29 00-0016 | EA | 3,000 Amperes, Blank Section Filler, Secondary Distribution Section | 10,279.19 | 379.11 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *254.48* | |
| 26 13 29 00-0017 | EA | 4,000 Amperes, Blank Section Filler, Secondary Distribution Section | 13,313.85 | 585.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *365.81* | |

### 26 13 29 00-0018 Accessories For Substation Secondary Distribution *(26 13 29 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 13 29 00-0019 | EA | Short Time Delay Accessories, Secondary Distribution Section | 4,584.18 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 29 00-0020 | EA | Key Interlock Accessories, Secondary Distribution Section | 3,538.48 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 29 00-0021 | EA | Ammeter And Switch Complete Accessories, Secondary Distribution Section | 11,489.79 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 29 00-0022 | EA | Voltmeter And Switch Complete Accessories, Secondary Distribution Section | 11,489.79 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 29 00-0023 | EA | Wattmeter - Complete Accessories, Secondary Distribution Section | 15,238.56 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 29 00-0024 | EA | Watt-hour Meter - Complete Accessories, Secondary Distribution Section | 19,776.53 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 29 00-0025 | EA | Circuit Breaker Lifting Device Accessories, Secondary Distribution Section | 8,477.03 | 131.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *78.79* | |
| 26 13 29 00-0026 | EA | Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section | 24,107.97 | 1,945.47 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,167.29* | |
| 26 13 29 00-0027 | EA | Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800 | 5,136.63 | 115.18 |
| 26 13 29 00-0028 | EA | Potential Transformers Each With Fuses Accessories, Secondary Distribution Section | 6,055.19 | 115.18 |
| 26 13 29 00-0029 | EA | Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section | 3,239.15 | 57.59 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *34.55* | |
| 26 13 29 00-0030 | EA | 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section | 24,873.53 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 13 29 00-0031 | EA | 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section | 3,081.30 | 57.59 |

# 26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

## 26 18 36 Medium-Voltage Enclosed Fuses *(26 18)*

### 26 18 36 00-0001 Sectionalizing Switch *(26 18 36)*

### 26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 36 00-0001)*

Note: 15 KV - 25 KV.

### 26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders *(26 18 36 00-0002)*

Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.

| | | | | |
|---|---|---|---|---|
| 26 18 36 00-0004 | EA | 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground | 75,653.92 | 965.22 |
| 26 18 36 00-0005 | EA | 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground | 85,114.29 | 965.22 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

# 26 19 High-Voltage Circuit Protection *(26 10)*

## 26 19 18 Protection Devices *(26 19)*

### 26 19 18 00-0001 Primary Fuse Cutouts *(26 19 18)*
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.

### 26 19 18 00-0002 Non-Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*
Note: Includes the fuse and cutout switch.

### 26 19 18 00-0003 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

| | | | | | |
|---|---|---|---|---|---|
| 26 19 18 00-0004 | EA | 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting | | 785.63 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *167.26* | |
| 26 19 18 00-0005 | EA | 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting | | 925.02 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *209.08* | |
| 26 19 18 00-0006 | EA | 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting | | 1,063.93 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *250.75* | |
| 26 19 18 00-0007 | EA | 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting | | 1,085.69 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *250.90* | |
| 26 19 18 00-0008 | EA | 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting | | 1,085.69 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *250.90* | |

### 26 19 18 00-0009 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

| | | | | | |
|---|---|---|---|---|---|
| 26 19 18 00-0010 | EA | 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting | | 785.63 | 278.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *167.26* | |

### 26 19 18 00-0011 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

| | | | | | |
|---|---|---|---|---|---|
| 26 19 18 00-0012 | EA | 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting | | 814.40 | 278.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *167.26* | |

### 26 19 18 00-0013 Fuseholders *(26 19 18 00-0002)*
Note: Including current limiting fuse.

| | | | | | |
|---|---|---|---|---|---|
| 26 19 18 00-0014 | EA | 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting | | 664.39 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *167.26* | |
| 26 19 18 00-0015 | EA | 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting | | 803.78 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *209.08* | |
| 26 19 18 00-0016 | EA | 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting | | 942.69 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *250.75* | |
| 26 19 18 00-0017 | EA | 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting | | 674.35 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *167.26* | |
| 26 19 18 00-0018 | EA | 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting | | 813.74 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *209.08* | |
| 26 19 18 00-0019 | EA | 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting | | 664.39 | 278.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *167.26* | |

### 26 19 18 00-0020 Accessories *(26 19 18 00-0002)*

| | | | | | |
|---|---|---|---|---|---|
| 26 19 18 00-0021 | EA | Hot Line Clamp | | 99.37 | 31.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *20.91* | |
| 26 19 18 00-0022 | EA | Stirrup | | 108.50 | 31.36 |

### 26 19 18 00-0023 Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*
Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.

### 26 19 18 00-0024 8.3 KV-95 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*

| | | | | | |
|---|---|---|---|---|---|
| 26 19 18 00-0025 | EA | 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting | | 1,009.61 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *167.26* | |
| 26 19 18 00-0026 | EA | 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting | | 1,149.00 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *209.08* | |
| 26 19 18 00-0027 | EA | 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting | | 1,287.91 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *250.75* | |
| 26 19 18 00-0028 | EA | 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting | | 1,330.55 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *250.90* | |
| 26 19 18 00-0029 | EA | 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting | | 1,330.55 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *250.90* | |

### 26 19 18 00-0030 17.1 KV-95 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*

| | | | | | |
|---|---|---|---|---|---|
| 26 19 18 00-0031 | EA | 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting | | 1,009.61 | 278.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *167.26* | |

### 26 19 18 00-0032 17.1 KV-125 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*

| | | | | | |
|---|---|---|---|---|---|
| 26 19 18 00-0033 | EA | 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting | | 1,009.61 | 278.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | | *167.26* | |

### 26 19 18 00-0034 Fuseholders *(26 19 18 00-0023)*
Note: Includes current limiting fuses.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 19 18 00-0035 | EA | 15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting | 674.67 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *167.26* | |
| 26 19 18 00-0036 | EA | 25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting | 814.06 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *209.08* | |
| 26 19 18 00-0037 | EA | 40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting | 952.97 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *250.75* | |
| 26 19 18 00-0038 | EA | 15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting | 674.67 | 348.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *167.26* | |
| 26 19 18 00-0039 | | Pole Mounted Capacitors *(26 19 18 00-0023)* | | |
| 26 19 18 00-0040 | EA | Capacitors - Pole Mounted 6 KVAR | 1,838.64 | 281.00 |

## 26 19 80 Transmission and Distribution Accessories *(26 19)*

### 26 19 80 60 Structure Assemblies *(26 19 80)*

26 19 80 60-0001 Pole Structure Assemblies *(26 19 80 60)*

26 19 80 60-0002 5 KV Pole Structure Assemblies *(26 19 80 60-0001)*

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

| | | | | |
|---|---|---|---|---|
| 26 19 80 60-0003 | EA | Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 571.19 | 264.83 |
| 26 19 80 60-0004 | EA | Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 954.30 | 446.03 |
| 26 19 80 60-0005 | EA | Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,099.93 | 348.46 |
| 26 19 80 60-0006 | EA | Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 630.39 | 181.20 |
| 26 19 80 60-0007 | EA | Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 797.81 | 250.90 |
| 26 19 80 60-0008 | EA | Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,390.15 | 501.78 |
| 26 19 80 60-0009 | EA | Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,092.32 | 376.34 |
| 26 19 80 60-0010 | EA | Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,990.19 | 752.68 |
| 26 19 80 60-0011 | EA | Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 2,262.84 | 850.25 |
| 26 19 80 60-0012 | EA | Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,239.30 | 418.16 |
| 26 19 80 60-0013 | EA | Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,044.71 | 446.03 |
| 26 19 80 60-0014 | EA | Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,956.48 | 906.00 |
| 26 19 80 60-0015 | EA | Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,503.34 | 543.60 |
| 26 19 80 60-0016 | EA | Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 934.64 | 390.28 |
| 26 19 80 60-0017 | EA | Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,751.43 | 794.49 |
| 26 19 80 60-0018 | EA | Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,388.43 | 404.22 |

26 19 80 60-0019 15 KV Pole Structure Assemblies *(26 19 80 60-0001)*

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

| | | | | |
|---|---|---|---|---|
| 26 19 80 60-0020 | EA | Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 599.96 | 264.83 |
| 26 19 80 60-0021 | EA | Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 995.39 | 446.03 |
| 26 19 80 60-0022 | EA | Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,239.66 | 348.46 |
| 26 19 80 60-0023 | EA | Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 679.70 | 181.20 |
| 26 19 80 60-0024 | EA | Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 867.68 | 236.96 |
| 26 19 80 60-0025 | EA | Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,529.88 | 501.78 |
| 26 19 80 60-0026 | EA | Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,195.07 | 376.34 |
| 26 19 80 60-0027 | EA | Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 2,199.79 | 752.68 |
| 26 19 80 60-0028 | EA | Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 2,546.41 | 850.25 |
| 26 19 80 60-0029 | EA | Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,379.03 | 418.16 |
| 26 19 80 60-0030 | EA | Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,098.14 | 446.03 |
| 26 19 80 60-0031 | EA | Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 2,009.91 | 906.00 |
| 26 19 80 60-0032 | EA | Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,610.19 | 543.60 |
| 26 19 80 60-0033 | EA | Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 988.07 | 376.34 |
| 26 19 80 60-0034 | EA | Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,804.86 | 794.49 |
| 26 19 80 60-0035 | EA | Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,495.28 | 487.84 |

26 19 80 60-0036 25 KV Pole Structure Assemblies *(26 19 80 60-0001)*

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

| | | | | |
|---|---|---|---|---|
| 26 19 80 60-0037 | EA | Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,868.09 | 418.16 |
| 26 19 80 60-0038 | EA | Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,148.08 | 209.07 |
| 26 19 80 60-0039 | EA | Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,663.89 | 320.58 |
| 26 19 80 60-0040 | EA | Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 2,166.67 | 655.10 |
| 26 19 80 60-0041 | EA | Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 2,079.13 | 487.84 |
| 26 19 80 60-0042 | EA | Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 3,337.77 | 961.76 |
| 26 19 80 60-0043 | EA | Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 3,167.71 | 1,087.20 |
| 26 19 80 60-0044 | EA | Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 2,232.42 | 634.20 |
| 26 19 80 60-0045 | EA | Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,939.47 | 634.20 |

26 19 80 60-0046 50 KV Pole Structure Assemblies *(26 19 80 60-0001)*

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

| | | | | |
|---|---|---|---|---|
| 26 19 80 60-0047 | EA | Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 2,509.57 | 571.48 |
| 26 19 80 60-0048 | EA | Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,367.73 | 292.71 |
| 26 19 80 60-0049 | EA | Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 1,722.42 | 459.97 |
| 26 19 80 60-0050 | EA | Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 3,231.12 | 933.88 |
| 26 19 80 60-0051 | EA | Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 2,478.83 | 696.93 |
| 26 19 80 60-0052 | EA | Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 4,756.28 | 1,393.85 |
| 26 19 80 60-0053 | EA | Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 5,637.28 | 1,547.17 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 19 80 60-0054 | EA | Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 2,877.90 | 752.68 |
| 26 19 80 60-0055 | EA | Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 2,888.93 | 871.16 |
| 26 19 80 60-0056 | EA | Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer | 2,786.45 | 822.38 |
| 26 19 80 60-0057 | | Overhead To Underground Conversion Structures *(26 19 80 60)* | | |
| | | Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole. | | |
| 26 19 80 60-0058 | | 5 KV Structures *(26 19 80 60-0057)* | | |
| | | Note: Excludes pole. | | |
| 26 19 80 60-0059 | EA | (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles | 5,921.08 | 2,787.70 |
| 26 19 80 60-0060 | EA | (3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles | 5,921.08 | 2,787.70 |
| 26 19 80 60-0061 | EA | (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles | 5,921.08 | 2,787.70 |
| 26 19 80 60-0062 | EA | (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles | 5,921.08 | 2,787.70 |
| 26 19 80 60-0063 | | 15 KV Structures *(26 19 80 60-0057)* | | |
| | | Note: Excludes pole. | | |
| 26 19 80 60-0064 | EA | (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles | 6,114.45 | 2,787.70 |
| 26 19 80 60-0065 | EA | (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles | 6,114.45 | 2,787.70 |
| 26 19 80 60-0066 | EA | (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles | 6,114.45 | 2,787.70 |
| 26 19 80 60-0067 | EA | (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles | 6,114.45 | 2,787.70 |
| 26 19 80 60-0068 | | 25 KV Structures *(26 19 80 60-0057)* | | |
| | | Note: Excludes pole. | | |
| 26 19 80 60-0069 | EA | (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles | 6,325.41 | 2,787.70 |
| 26 19 80 60-0070 | EA | (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles | 6,325.41 | 2,787.70 |
| 26 19 80 60-0071 | EA | (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles | 6,325.41 | 2,787.70 |
| 26 19 80 60-0072 | EA | (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles | 6,325.41 | 2,787.70 |
| 26 19 80 60-0073 | | Transformer Stations *(26 19 80 60)* | | |
| | | Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer. | | |
| 26 19 80 60-0074 | | 5 KV Station *(26 19 80 60-0073)* | | |
| 26 19 80 60-0075 | EA | (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole | 9,596.71 | 3,716.01 |
| 26 19 80 60-0076 | EA | (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole | 10,755.54 | 4,181.55 |
| 26 19 80 60-0077 | EA | (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole | 11,914.37 | 4,645.70 |
| 26 19 80 60-0078 | EA | (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole | 11,914.37 | 4,645.70 |
| 26 19 80 60-0079 | EA | (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole | 9,596.71 | 3,716.01 |
| 26 19 80 60-0080 | | 15 KV Stations *(26 19 80 60-0073)* | | |
| 26 19 80 60-0081 | EA | (Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole | 9,895.59 | 3,714.95 |
| 26 19 80 60-0082 | EA | (Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole | 11,054.42 | 4,181.55 |
| 26 19 80 60-0083 | EA | (Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole | 12,213.25 | 4,645.70 |
| 26 19 80 60-0084 | EA | (Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole | 12,213.25 | 4,645.70 |
| 26 19 80 60-0085 | EA | (Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole | 9,895.59 | 3,716.01 |
| 26 19 80 60-0086 | | 25 KV Stations *(26 19 80 60-0073)* | | |
| 26 19 80 60-0087 | EA | (Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole | 10,221.64 | 3,716.01 |
| 26 19 80 60-0088 | EA | (Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole | 11,380.47 | 4,181.55 |
| 26 19 80 60-0089 | EA | (Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole | 12,539.31 | 4,645.70 |
| 26 19 80 60-0090 | EA | (Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole | 12,539.31 | 4,645.70 |
| 26 19 80 60-0091 | EA | (Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole | 10,221.64 | 3,716.01 |

# 26 20 Low-Voltage Electrical Distribution *(26)*

## 26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

### 26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

| | | | | |
|---|---|---|---|---|
| 26 21 13 00-0001 | | Service Drop Cable And Weatherheads *(26 21 13)* | | |
| 26 21 13 00-0002 | | 600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)* | | |
| 26 21 13 00-0003 | | Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)* | | |
| 26 21 13 00-0004 | LF | #6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable | 9.09 | 3.32 |
| 26 21 13 00-0005 | LF | #4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable | 11.01 | 3.93 |
| 26 21 13 00-0006 | LF | #2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable | 13.16 | 4.43 |
| 26 21 13 00-0007 | LF | 1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable | 17.82 | 5.57 |
| 26 21 13 00-0008 | | Aluminum Triplex ACSR Neutral *(26 21 13 00-0002)* | | |
| 26 21 13 00-0009 | LF | #6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable | 11.20 | 3.93 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 21 13 00-0010 | LF | #4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable | 12.92 | 4.43 |
| 26 21 13 00-0011 | LF | #2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable | 16.44 | 5.57 |
| 26 21 13 00-0012 | LF | 1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable | 20.80 | 6.80 |
| 26 21 13 00-0013 | LF | 2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable | 27.02 | 8.99 |
| 26 21 13 00-0014 | LF | 4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable | 34.75 | 11.15 |
| 26 21 13 00-0015 | LF | 336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable | 47.83 | 13.28 |
| **26 21 13 00-0016** | | **Aluminum Quadruplex ACSR Neutral** *(26 21 13 00-0002)* | | |
| 26 21 13 00-0017 | LF | #6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable | 12.96 | 4.43 |
| 26 21 13 00-0018 | LF | #4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable | 16.43 | 5.57 |
| 26 21 13 00-0019 | LF | #2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable | 21.27 | 7.15 |
| 26 21 13 00-0020 | LF | 1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable | 28.11 | 8.99 |
| 26 21 13 00-0021 | LF | 2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable | 31.35 | 9.96 |
| 26 21 13 00-0022 | LF | 3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable | 36.56 | 11.15 |
| 26 21 13 00-0023 | LF | 4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable | 42.87 | 13.28 |
| 26 21 13 00-0024 | LF | 336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable | 55.22 | 14.68 |
| **26 21 13 00-0025** | | **Weatherproof Conduit Hubs** *(26 21 13 00-0002)* | | |
| 26 21 13 00-0026 | EA | 1/2" Weatherproof Conduit Hubs | 58.14 | 22.19 |
| 26 21 13 00-0027 | EA | 3/4" Weatherproof Conduit Hubs | 66.30 | 25.21 |
| 26 21 13 00-0028 | EA | 1" Weatherproof Conduit Hubs | 76.74 | 28.24 |
| 26 21 13 00-0029 | EA | 1-1/4" Weatherproof Conduit Hubs | 106.63 | 37.82 |
| 26 21 13 00-0030 | EA | 1-1/2" Weatherproof Conduit Hubs | 117.06 | 40.85 |
| 26 21 13 00-0031 | EA | 2" Weatherproof Conduit Hubs | 149.86 | 47.40 |
| 26 21 13 00-0032 | EA | 2-1/2" Weatherproof Conduit Hubs | 194.53 | 53.45 |
| 26 21 13 00-0033 | EA | 3" Weatherproof Conduit Hubs | 249.66 | 63.03 |
| 26 21 13 00-0034 | EA | 4" Weatherproof Conduit Hubs | 445.94 | 126.07 |
| **26 21 13 00-0035** | | **Service Entrance Cap, Threaded Weatherhead, Galvanized** *(26 21 13 00-0002)* | | |
| 26 21 13 00-0036 | EA | 1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service | 64.18 | 22.19 |
| 26 21 13 00-0037 | EA | 3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service | 73.54 | 25.21 |
| 26 21 13 00-0038 | EA | 1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service | 84.02 | 28.24 |
| 26 21 13 00-0039 | EA | 1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service | 112.85 | 37.82 |
| 26 21 13 00-0040 | EA | 1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service | 127.06 | 40.85 |
| 26 21 13 00-0041 | EA | 2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service | 165.09 | 47.40 |
| 26 21 13 00-0042 | EA | 2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service | 269.96 | 53.45 |
| 26 21 13 00-0043 | EA | 3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service | 307.96 | 63.03 |
| 26 21 13 00-0044 | EA | 4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service | 512.99 | 126.07 |
| **26 21 13 00-0045** | | **Service Entrance Cap, Clamp-On Weatherhead, Aluminum** *(26 21 13 00-0002)* | | |
| 26 21 13 00-0046 | EA | 1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service | 62.28 | 22.19 |
| 26 21 13 00-0047 | EA | 3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service | 70.34 | 25.21 |
| 26 21 13 00-0048 | EA | 1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service | 79.69 | 28.11 |
| 26 21 13 00-0049 | EA | 1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service | 106.01 | 37.82 |
| 26 21 13 00-0050 | EA | 1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service | 117.82 | 40.85 |
| 26 21 13 00-0051 | EA | 2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service | 138.69 | 47.40 |
| 26 21 13 00-0052 | EA | 2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service | 220.45 | 53.45 |
| 26 21 13 00-0053 | EA | 3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service | 283.06 | 63.03 |
| 26 21 13 00-0054 | EA | 3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service | 400.22 | 94.55 |
| 26 21 13 00-0055 | EA | 4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service | 483.35 | 126.07 |
| **26 21 13 00-0056** | | **Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC)** *(26 21 13 00-0002)* | | |
| 26 21 13 00-0057 | EA | 1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service | 59.87 | 22.19 |
| 26 21 13 00-0058 | EA | 3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service | 68.42 | 25.21 |
| 26 21 13 00-0059 | EA | 1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service | 77.54 | 28.11 |
| 26 21 13 00-0060 | EA | 1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service | 103.38 | 37.82 |
| 26 21 13 00-0061 | EA | 1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service | 112.46 | 40.85 |
| 26 21 13 00-0062 | EA | 2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service | 136.77 | 47.40 |
| 26 21 13 00-0063 | EA | 2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service | 217.74 | 53.45 |
| 26 21 13 00-0064 | EA | 3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service | 245.32 | 63.03 |
| 26 21 13 00-0065 | EA | 3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service | 415.72 | 94.55 |
| 26 21 13 00-0066 | EA | 4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service | 573.71 | 126.07 |
| **26 21 16** | | **Low-Voltage Underground Electrical Service Entrance** *(26 21)* | | |
| **26 21 16 00-0001** | | **Aluminum Triplex For Underground Service, Direct Burial** *(26 21 16)*<br>Note: Excludes excavation and backfill. | | |
| 26 21 16 00-0002 | MLF | #6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial | 4,751.41 | 1,238.99 |
| 26 21 16 00-0003 | MLF | #4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial | 5,477.98 | 1,311.89 |
| 26 21 16 00-0004 | MLF | #2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial | 6,533.05 | 1,393.85 |
| 26 21 16 00-0005 | MLF | 1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial | 7,839.33 | 1,393.85 |
| 26 21 16 00-0006 | MLF | 2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial | 8,750.27 | 1,486.82 |
| 26 21 16 00-0007 | MLF | 3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial | 10,414.77 | 1,715.55 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 21 16 00-0008 | MLF | 4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial | 12,718.95 | 2,230.16 |

## 26 22 Low-Voltage Transformers *(26 20)*

### 26 22 13 Low-Voltage Distribution Transformers *(26 22)*

#### 26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

#### 26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0003 | EA | 1 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 1,648.26 | 323.91 |
| 26 22 13 00-0004 | EA | 3 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 2,300.42 | 388.70 |
| 26 22 13 00-0005 | EA | 5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 2,987.86 | 405.54 |
| 26 22 13 00-0006 | EA | 7.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 3,681.56 | 421.09 |
| 26 22 13 00-0007 | EA | 10 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 5,357.59 | 453.48 |
| 26 22 13 00-0008 | EA | 15 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 6,435.32 | 485.87 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *273.18* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *409.77* | |
| 26 22 13 00-0009 | EA | 25 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 7,066.92 | 518.26 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *301.52* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *452.28* | |
| 26 22 13 00-0010 | EA | 37.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 6,787.64 | 583.04 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *281.08* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *421.62* | |
| 26 22 13 00-0011 | EA | 50 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 8,136.03 | 647.83 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *342.02* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *513.03* | |
| 26 22 13 00-0012 | EA | 75 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 10,827.01 | 777.39 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *463.61* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *695.42* | |
| 26 22 13 00-0013 | EA | 100 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 13,806.17 | 906.95 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *599.61* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *899.42* | |
| 26 22 13 00-0014 | EA | 167 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 22,223.57 | 1,166.09 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *994.57* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,491.86* | |
| 26 22 13 00-0015 | EA | 250 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 40,586.36 | 1,425.22 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,886.80* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *2,830.19* | |
| 26 22 13 00-0016 | EA | 333 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 64,120.46 | 1,619.57 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *3,044.07* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *4,566.10* | |

#### 26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 1-10 Percent x 2-5 percent FCBN taps.

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0018 | EA | 3 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 1,834.84 | 388.70 |
| 26 22 13 00-0019 | EA | 5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 2,241.80 | 404.89 |
| 26 22 13 00-0020 | EA | 7.5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 2,847.59 | 421.09 |
| 26 22 13 00-0021 | EA | 10 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 3,396.47 | 453.48 |

#### 26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0023 | EA | 15 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 6,708.49 | 485.87 |
| 26 22 13 00-0024 | EA | 25 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 7,368.44 | 518.26 |

#### 26 22 13 00-0025 208 x 230 Volt, 120 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 1-10 Percent x 2-5 percent FCBN taps.

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0026 | EA | 0.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 1,352.82 | 291.53 |
| 26 22 13 00-0027 | EA | 1 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 1,542.94 | 323.91 |
| 26 22 13 00-0028 | EA | 2 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 2,050.67 | 356.30 |
| 26 22 13 00-0029 | EA | 3 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 2,392.40 | 388.70 |
| 26 22 13 00-0030 | EA | 5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 2,708.85 | 405.54 |
| 26 22 13 00-0031 | EA | 7.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 3,134.60 | 421.09 |
| 26 22 13 00-0032 | EA | 10 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 4,106.54 | 453.48 |
| 26 22 13 00-0033 | EA | 15 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 5,723.68 | 485.87 |

#### 26 22 13 00-0034 1 Phase Mounting Brackets *(26 22 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0035 | EA | 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA | 634.57 | 230.36 |

#### 26 22 13 00-0036 1 Phase Weathershields *(26 22 13 00-0001)*

Note: Use with types DT-3 and DS-3.

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0037 | EA | 37.5 KVA 1 Phase Weathershields, Set Of 2 | 196.81 | |
| 26 22 13 00-0038 | EA | 50 KVA 1 Phase Weathershields, Set Of 2 | 250.87 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 22 13 00-0039 | EA | 75 KVA 1 Phase Weathershields, Set Of 2 | 299.16 | |
| 26 22 13 00-0040 | EA | 100 KVA 1 Phase Weathershields, Set Of 2 | 356.89 | |
| 26 22 13 00-0041 | EA | 167 KVA 1 Phase Weathershields, Set Of 2 | 482.85 | |
| 26 22 13 00-0042 | EA | 250 KVA 1 Phase Weathershields, Set Of 2 | 577.32 | |
| 26 22 13 00-0043 | EA | 333 KVA 1 Phase Weathershields, Set Of 2 | 708.53 | |
| **26 22 13 00-0044** | | **Packaged Power Supply** *(26 22 13 00-0001)*<br>Note: 2-5 Percent FCBN taps. | | |
| 26 22 13 00-0045 | EA | 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers | 3,703.27 | 404.89 |
| 26 22 13 00-0046 | EA | 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers | 4,225.50 | 421.09 |
| 26 22 13 00-0047 | EA | 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers | 4,582.03 | 453.48 |
| 26 22 13 00-0048 | EA | 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers | 5,741.58 | 485.87 |
| 26 22 13 00-0049 | EA | 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers | 8,151.13 | 518.26 |
| **26 22 13 00-0050** | | **240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade** *(26 22 13 00-0001)* | | |
| 26 22 13 00-0051 | EA | 0.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer | 2,761.12 | 291.53 |
| 26 22 13 00-0052 | EA | 1 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer | 4,033.04 | 323.91 |
| 26 22 13 00-0053 | EA | 2.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer | 4,687.44 | 388.70 |
| 26 22 13 00-0054 | EA | 5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer | 5,218.43 | 404.89 |
| 26 22 13 00-0055 | EA | 7.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer | 5,933.12 | 421.09 |
| 26 22 13 00-0056 | EA | 10 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer | 7,782.34 | 453.48 |
| 26 22 13 00-0057 | EA | 15 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer | 10,250.89 | 485.87 |
| **26 22 13 00-0058** | | **600 Volt, 208/120 Volt, Dry General Purpose Transformer** *(26 22 13 00-0001)* | | |
| 26 22 13 00-0059 | EA | 15 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 12,782.42 | 485.87 |
| 26 22 13 00-0060 | EA | 25 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 13,238.67 | 518.26 |
| 26 22 13 00-0061 | EA | 30 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 13,736.56 | 550.65 |
| 26 22 13 00-0062 | EA | 37.5 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 18,331.30 | 583.04 |
| 26 22 13 00-0063 | EA | 45 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 19,035.57 | 615.44 |
| 26 22 13 00-0064 | EA | 50 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer | 25,630.72 | 647.83 |
| **26 22 13 00-0065** | | **3 Phase General Purpose "Dry Type" Transformer** *(26 22 13)*<br>Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed. | | |
| **26 22 13 00-0066** | | **Packaged Power Supply** *(26 22 13 00-0065)*<br>Note: 2-5 Percent FCBN taps. | | |
| 26 22 13 00-0067 | EA | 15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers | 16,654.75 | 1,392.83 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *693.46* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,040.18* | |
| 26 22 13 00-0068 | EA | 22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers | 20,166.80 | 1,490.00 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *859.34* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,289.01* | |
| 26 22 13 00-0069 | EA | 30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers | 24,327.09 | 1,619.57 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,054.40* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,581.60* | |
| **26 22 13 00-0070** | | **Drive Isolation Transformers** *(26 22 13 00-0065)*<br>Note: Only use in step-up applications. | | |
| **26 22 13 00-0071** | | **230 Volt Drive Isolation Transformers** *(26 22 13 00-0070)* | | |
| 26 22 13 00-0072 | EA | 7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 9,035.32 | 518.26 |
| 26 22 13 00-0073 | EA | 11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 10,596.13 | 550.65 |
| 26 22 13 00-0074 | EA | 15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 10,960.13 | 583.04 |
| 26 22 13 00-0075 | EA | 20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 12,967.76 | 615.44 |
| 26 22 13 00-0076 | EA | 27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 13,404.50 | 680.22 |
| 26 22 13 00-0077 | EA | 34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 14,738.88 | 745.00 |
| 26 22 13 00-0078 | EA | 40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 16,679.65 | 809.78 |
| 26 22 13 00-0079 | EA | 51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 19,423.24 | 906.95 |
| 26 22 13 00-0080 | EA | 63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 21,039.89 | 939.35 |
| 26 22 13 00-0081 | EA | 75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 24,340.11 | 971.74 |
| 26 22 13 00-0082 | EA | 93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 30,720.14 | 1,004.13 |
| 26 22 13 00-0083 | EA | 118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 34,440.95 | 1,230.87 |
| 26 22 13 00-0084 | EA | 145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 38,452.24 | 1,295.65 |
| 26 22 13 00-0085 | EA | 175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 44,107.15 | 1,360.43 |
| 26 22 13 00-0086 | EA | 220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 53,821.04 | 1,619.57 |
| 26 22 13 00-0087 | EA | 275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 71,414.98 | 1,911.08 |
| 26 22 13 00-0088 | EA | 330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 75,338.30 | 2,105.43 |
| 26 22 13 00-0089 | EA | 440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 91,857.20 | 2,332.17 |
| 26 22 13 00-0090 | EA | 550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 113,511.43 | 2,591.31 |
| **26 22 13 00-0091** | | **208V Drive Isolation Transformers** *(26 22 13 00-0070)* | | |
| 26 22 13 00-0092 | EA | 7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 9,442.45 | 518.26 |
| 26 22 13 00-0093 | EA | 11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 11,079.42 | 550.65 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 22 13 00-0094 | EA | 15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 11,458.64 | 583.04 |
| 26 22 13 00-0095 | EA | 20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 13,565.17 | 615.44 |
| 26 22 13 00-0096 | EA | 27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 14,017.55 | 680.22 |
| 26 22 13 00-0097 | EA | 30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 15,348.46 | 712.60 |
| 26 22 13 00-0098 | EA | 45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 17,510.97 | 842.18 |
| 26 22 13 00-0099 | EA | 51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 20,319.55 | 906.95 |
| 26 22 13 00-0100 | EA | 63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 22,015.20 | 939.35 |
| 26 22 13 00-0101 | EA | 75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 25,480.10 | 971.74 |
| 26 22 13 00-0102 | EA | 93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 32,181.58 | 1,004.13 |
| 26 22 13 00-0103 | EA | 118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 36,068.70 | 1,230.87 |
| 26 22 13 00-0104 | EA | 145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 40,277.56 | 1,295.65 |
| 26 22 13 00-0105 | EA | 175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 46,213.72 | 1,360.43 |
| 26 22 13 00-0106 | EA | 220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers | 56,395.66 | 1,619.57 |

## 26 22 13 00-0107 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0108 | EA | 9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 6,280.85 | 534.45 |
| 26 22 13 00-0109 | EA | 15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 8,317.49 | 583.04 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *357.57* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *536.36* | |

## 26 22 13 00-0110 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0111 | EA | 30 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 9,280.85 | 712.60 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *392.78* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *589.17* | |
| | | *For K4 Factor Rating, Add* | *5,498.94* | |
| | | *For K13 Factor Rating, Add* | *7,855.63* | |
| | | *For K20 Factor Rating, Add* | *10,212.32* | |
| 26 22 13 00-0112 | EA | 37.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 11,264.77 | 777.39 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *485.50* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *728.25* | |
| | | *For K4 Factor Rating, Add* | *6,796.99* | |
| | | *For K13 Factor Rating, Add* | *9,709.99* | |
| | | *For K20 Factor Rating, Add* | *12,622.99* | |
| 26 22 13 00-0113 | EA | 45 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 11,756.07 | 842.18 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *503.59* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *755.38* | |
| | | *For K4 Factor Rating, Add* | *7,050.21* | |
| | | *For K13 Factor Rating, Add* | *10,071.73* | |
| | | *For K20 Factor Rating, Add* | *13,093.25* | |
| 26 22 13 00-0114 | EA | 50 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 15,579.74 | 906.95 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *688.29* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,032.44* | |
| | | *For K4 Factor Rating, Add* | *9,636.07* | |
| | | *For K13 Factor Rating, Add* | *13,765.82* | |
| | | *For K20 Factor Rating, Add* | *17,895.57* | |
| 26 22 13 00-0115 | EA | 75 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 15,308.02 | 971.74 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *668.23* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,002.34* | |
| | | *For K4 Factor Rating, Add* | *9,355.18* | |
| | | *For K13 Factor Rating, Add* | *13,364.54* | |
| | | *For K20 Factor Rating, Add* | *17,373.90* | |
| 26 22 13 00-0116 | EA | 112.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 19,086.17 | 1,166.09 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *837.70* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,256.55* | |
| | | *For K4 Factor Rating, Add* | *11,727.80* | |
| | | *For K13 Factor Rating, Add* | *16,754.00* | |
| | | *For K20 Factor Rating, Add* | *21,780.20* | |
| 26 22 13 00-0117 | EA | 150 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 24,935.34 | 1,295.65 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,117.20* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,675.80* | |
| | | *For K4 Factor Rating, Add* | *15,640.82* | |
| | | *For K13 Factor Rating, Add* | *22,344.03* | |
| | | *For K20 Factor Rating, Add* | *29,047.24* | |
| 26 22 13 00-0118 | EA | 225 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 34,111.59 | 1,619.57 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,543.62* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *2,315.43* | |
| | | *For K4 Factor Rating, Add* | *21,610.72* | |
| | | *For K13 Factor Rating, Add* | *30,872.46* | |
| | | *For K20 Factor Rating, Add* | *40,134.20* | |
| 26 22 13 00-0119 | EA | 300 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 41,555.13 | 2,008.26 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,876.93* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *2,815.40* | |
| | | *For K4 Factor Rating, Add* | *26,277.03* | |
| | | *For K13 Factor Rating, Add* | *37,538.61* | |
| | | *For K20 Factor Rating, Add* | *48,800.19* | |
| 26 22 13 00-0120 | EA | 500 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 59,892.70 | 2,461.73 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *2,748.46* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *4,122.69* | |
| | | *For K4 Factor Rating, Add* | *38,478.45* | |
| | | *For K13 Factor Rating, Add* | *54,969.22* | |
| | | *For K20 Factor Rating, Add* | *71,459.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 22 13 00-0121 | EA | 750 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 140,042.50 | 2,960.01 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *6,704.13* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *10,056.19* | |
| | | *For K4 Factor Rating, Add* | *93,857.75* | |
| | | *For K13 Factor Rating, Add* | *134,082.50* | |
| | | *For K20 Factor Rating, Add* | *174,307.25* | |
| 26 22 13 00-0122 | EA | 1,000 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 184,991.71 | 3,239.13 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *8,925.67* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *13,388.51* | |
| | | *For K4 Factor Rating, Add* | *124,959.42* | |
| | | *For K13 Factor Rating, Add* | *178,513.45* | |
| | | *For K20 Factor Rating, Add* | *232,067.49* | |
| **26 22 13 00-0123** | | **480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps** *(26 22 13 00-0065)* | | |
| 26 22 13 00-0124 | EA | 6 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 5,066.28 | 502.06 |
| | | *For K4 Factor Rating, Add* | *2,843.51* | |
| | | *For K13 Factor Rating, Add* | *4,062.15* | |
| | | *For K20 Factor Rating, Add* | *5,280.80* | |
| 26 22 13 00-0125 | EA | 9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 6,280.85 | 534.45 |
| | | *For K4 Factor Rating, Add* | *3,648.35* | |
| | | *For K13 Factor Rating, Add* | *5,211.93* | |
| | | *For K20 Factor Rating, Add* | *6,775.51* | |
| 26 22 13 00-0126 | EA | 15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 8,317.49 | 583.04 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *357.57* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *536.36* | |
| | | *For K4 Factor Rating, Add* | *5,005.98* | |
| | | *For K13 Factor Rating, Add* | *7,151.40* | |
| | | *For K20 Factor Rating, Add* | *9,296.82* | |
| 26 22 13 00-0127 | EA | 30 KVA 480V x 208Y/ 120V, 3 Phase 60 Hz, Transformer (Larson Electronics MT-DOE16-3P-480D-30KVA-208Y.120-N3R) | 7,107.71 | |
| | | *For K4 Factor Rating, Add* | *3,977.74* | |
| | | *For K13 Factor Rating, Add* | *5,682.49* | |
| | | *For K20 Factor Rating, Add* | *7,387.24* | |
| **26 22 13 00-0128** | | **480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps** *(26 22 13 00-0065)* | | |
| 26 22 13 00-0129 | EA | 30 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 16,378.73 | 712.60 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *747.68* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,121.51* | |
| | | *For K4 Factor Rating, Add* | *10,467.46* | |
| | | *For K13 Factor Rating, Add* | *14,953.51* | |
| | | *For K20 Factor Rating, Add* | *19,439.56* | |
| 26 22 13 00-0130 | EA | 45 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 18,324.62 | 842.18 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *832.01* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,248.02* | |
| | | *For K4 Factor Rating, Add* | *11,648.20* | |
| | | *For K13 Factor Rating, Add* | *16,640.28* | |
| | | *For K20 Factor Rating, Add* | *21,632.36* | |
| 26 22 13 00-0131 | EA | 75 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 27,251.36 | 971.74 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,265.39* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,898.09* | |
| | | *For K4 Factor Rating, Add* | *17,715.52* | |
| | | *For K13 Factor Rating, Add* | *25,307.88* | |
| | | *For K20 Factor Rating, Add* | *32,900.24* | |
| 26 22 13 00-0132 | EA | 112.5 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 34,254.47 | 1,166.09 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,596.12* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *2,394.17* | |
| | | *For K4 Factor Rating, Add* | *22,345.61* | |
| | | *For K13 Factor Rating, Add* | *31,922.30* | |
| | | *For K20 Factor Rating, Add* | *41,498.99* | |
| 26 22 13 00-0133 | EA | 150 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 41,342.82 | 1,295.65 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *1,937.58* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *2,906.36* | |
| | | *For K4 Factor Rating, Add* | *27,126.06* | |
| | | *For K13 Factor Rating, Add* | *38,751.51* | |
| | | *For K20 Factor Rating, Add* | *50,376.96* | |
| 26 22 13 00-0134 | EA | 225 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 53,027.31 | 1,619.57 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *2,489.41* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *3,734.11* | |
| | | *For K4 Factor Rating, Add* | *34,851.73* | |
| | | *For K13 Factor Rating, Add* | *49,788.18* | |
| | | *For K20 Factor Rating, Add* | *64,724.63* | |
| 26 22 13 00-0135 | EA | 300 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 64,443.36 | 2,008.26 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *3,021.34* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *4,532.01* | |
| | | *For K4 Factor Rating, Add* | *42,298.79* | |
| | | *For K13 Factor Rating, Add* | *60,426.84* | |
| | | *For K20 Factor Rating, Add* | *78,554.89* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 22 13 00-0136 | EA | 500 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer | 104,171.32 | 2,461.73 |
| | | *For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add* | *4,962.39* | |
| | | *For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add* | *7,443.59* | |
| | | *For K4 Factor Rating, Add* | *69,473.49* | |
| | | *For K13 Factor Rating, Add* | *99,247.84* | |
| | | *For K20 Factor Rating, Add* | *129,022.19* | |

## 26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0065)*

## 26 22 13 00-0138 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0137)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0139 | EA | 15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer | 7,742.60 | 583.04 |
| 26 22 13 00-0140 | EA | 30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer | 11,842.77 | 712.60 |
| 26 22 13 00-0141 | EA | 45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer | 17,547.57 | 842.18 |
| 26 22 13 00-0142 | EA | 75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer | 22,506.92 | 971.74 |
| 26 22 13 00-0143 | EA | 112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer | 34,052.31 | 1,166.09 |
| 26 22 13 00-0144 | EA | 150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer | 41,519.71 | 1,295.65 |
| 26 22 13 00-0145 | EA | 225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer | 48,194.42 | 1,619.57 |
| 26 22 13 00-0146 | EA | 300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer | 77,008.85 | 2,008.26 |

## 26 22 13 00-0147 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0137)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0148 | EA | 15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer | 9,062.96 | 583.04 |
| 26 22 13 00-0149 | EA | 30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer | 13,927.54 | 712.60 |
| 26 22 13 00-0150 | EA | 45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer | 20,718.95 | 842.18 |
| 26 22 13 00-0151 | EA | 75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer | 26,613.30 | 971.74 |
| 26 22 13 00-0152 | EA | 112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer | 40,395.08 | 1,166.09 |
| 26 22 13 00-0153 | EA | 150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer | 49,309.18 | 1,295.65 |
| 26 22 13 00-0154 | EA | 225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer | 57,184.22 | 1,619.57 |
| 26 22 13 00-0155 | EA | 300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer | 91,608.58 | 2,008.26 |

## 26 22 13 00-0156 NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0065)*

## 26 22 13 00-0157 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0156)*

Note: Two taps at 2.5%, four at -2.5%.

## 26 22 13 00-0158 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0157)*

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0159 | EA | 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 3,577.90 | 579.13 |
| 26 22 13 00-0160 | EA | 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 4,364.88 | 707.82 |
| 26 22 13 00-0161 | EA | 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 5,256.70 | 836.53 |
| 26 22 13 00-0162 | EA | 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 7,008.30 | 965.22 |
| 26 22 13 00-0163 | EA | 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 9,334.41 | 1,158.26 |
| 26 22 13 00-0164 | EA | 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 11,563.67 | 1,286.96 |
| 26 22 13 00-0165 | EA | 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 15,300.90 | 1,608.71 |
| 26 22 13 00-0166 | EA | 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 21,454.68 | 1,994.79 |

## 26 22 13 00-0167 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0157)*

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0168 | EA | 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 4,305.90 | 579.13 |
| 26 22 13 00-0169 | EA | 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 5,246.71 | 707.82 |
| 26 22 13 00-0170 | EA | 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 6,332.04 | 836.53 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 22 13 00-0171 | EA | 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 8,531.90 | 965.22 |
| 26 22 13 00-0172 | EA | 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 10,907.01 | 1,158.26 |
| 26 22 13 00-0173 | EA | 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 14,260.60 | 1,286.96 |
| 26 22 13 00-0174 | EA | 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 18,926.19 | 1,608.71 |
| 26 22 13 00-0175 | EA | 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 26,694.21 | 1,994.79 |
| **26 22 13 00-0176** | | **80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0157)* | | |
| 26 22 13 00-0177 | EA | 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 5,030.96 | 579.13 |
| 26 22 13 00-0178 | EA | 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 6,130.99 | 707.82 |
| 26 22 13 00-0179 | EA | 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 7,407.39 | 836.53 |
| 26 22 13 00-0180 | EA | 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 10,053.06 | 965.22 |
| 26 22 13 00-0181 | EA | 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 12,891.12 | 1,158.26 |
| 26 22 13 00-0182 | EA | 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 16,957.52 | 1,286.96 |
| 26 22 13 00-0183 | EA | 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 22,551.49 | 1,608.71 |
| 26 22 13 00-0184 | EA | 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer | 31,933.74 | 1,994.79 |
| **26 22 13 00-0185** | | **Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0156)* Note: Two taps at 2.5%, four at -2.5%. | | |
| **26 22 13 00-0186** | | **150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0185)* | | |
| 26 22 13 00-0187 | EA | 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 4,788.45 | 579.13 |
| 26 22 13 00-0188 | EA | 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 5,837.05 | 707.82 |
| 26 22 13 00-0189 | EA | 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 7,047.30 | 836.53 |
| 26 22 13 00-0190 | EA | 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 9,546.00 | 965.22 |
| 26 22 13 00-0191 | EA | 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 12,920.51 | 1,158.26 |
| 26 22 13 00-0192 | EA | 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 16,151.63 | 1,286.96 |
| 26 22 13 00-0193 | EA | 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 21,466.35 | 1,608.71 |
| 26 22 13 00-0194 | EA | 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 30,368.49 | 1,994.79 |
| **26 22 13 00-0195** | | **115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0185)* | | |
| 26 22 13 00-0196 | EA | 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 5,513.51 | 579.13 |
| 26 22 13 00-0197 | EA | 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 6,721.33 | 707.82 |
| 26 22 13 00-0198 | EA | 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 8,122.65 | 836.53 |
| 26 22 13 00-0199 | EA | 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 11,069.62 | 965.22 |
| 26 22 13 00-0200 | EA | 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 16,780.96 | 1,158.26 |
| 26 22 13 00-0201 | EA | 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 21,114.36 | 1,286.96 |
| 26 22 13 00-0202 | EA | 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 26,943.49 | 1,608.71 |
| 26 22 13 00-0203 | EA | 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 40,041.66 | 1,994.79 |
| **26 22 13 00-0204** | | **80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0185)* | | |
| 26 22 13 00-0205 | EA | 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 6,241.02 | 579.13 |
| 26 22 13 00-0206 | EA | 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 7,605.60 | 707.82 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 22 13 00-0207 | EA | 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 9,197.98 | 836.53 |
| 26 22 13 00-0208 | EA | 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 12,590.76 | 965.22 |
| 26 22 13 00-0209 | EA | 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 19,882.07 | 1,158.26 |
| 26 22 13 00-0210 | EA | 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 25,614.14 | 1,286.96 |
| 26 22 13 00-0211 | EA | 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 32,418.17 | 1,608.71 |
| 26 22 13 00-0212 | EA | 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer | 47,767.46 | 1,994.79 |

### 26 22 13 00-0213 3 Phase Weathershields *(26 22 13 00-0065)*

Note: Use with type DT-3 and DS-3.

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0214 | EA | 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 | 1,737.31 | |
| 26 22 13 00-0215 | EA | 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 | 2,950.27 | |
| 26 22 13 00-0216 | EA | 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 | 2,950.27 | |

### 26 22 13 00-0217 Three Phase Mounting Brackets *(26 22 13 00-0065)*

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0218 | EA | 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA | 1,388.12 | 230.36 |

### 26 22 13 00-0219 Foam Core Poly Transformer Pads *(26 22 13)*

| | | | | |
|---|---|---|---|---|
| 26 22 13 00-0220 | EA | Single Phase Foam Core Poly Pads<br>Note: Excludes site prep. | 454.84 | 42.65 |

## 26 24 Switchboards and Panelboards *(26 20)*

### 26 24 13 Switchboards *(26 24)*

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

### 26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire *(26 24 13)*

### 26 24 13 00-0002 Incoming Service Section Main Device Only *(26 24 13 00-0001)*

Note: Copper bus, non-metering type, with fuses.

| | | | | |
|---|---|---|---|---|
| 26 24 13 00-0003 | EA | 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 4,412.10 | 1,102.71 |
| 26 24 13 00-0004 | EA | 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 4,883.15 | 1,166.38 |
| 26 24 13 00-0005 | EA | 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 7,881.03 | 1,323.08 |
| 26 24 13 00-0006 | EA | 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 8,489.45 | 1,418.38 |
| 26 24 13 00-0007 | EA | 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 13,614.07 | 1,512.30 |
| 26 24 13 00-0008 | EA | 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 15,180.15 | 1,607.99 |
| 26 24 13 00-0009 | EA | 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 5,339.36 | 1,102.71 |
| 26 24 13 00-0010 | EA | 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 6,837.36 | 1,166.38 |
| 26 24 13 00-0011 | EA | 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 9,526.79 | 1,324.21 |
| 26 24 13 00-0012 | EA | 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 13,027.97 | 1,418.38 |
| 26 24 13 00-0013 | EA | 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 13,614.07 | 1,513.82 |
| 26 24 13 00-0014 | EA | 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 15,180.15 | 1,607.99 |
| 26 24 13 00-0015 | EA | 2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 18,241.27 | 1,681.11 |
| 26 24 13 00-0016 | EA | 3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 20,677.90 | 1,801.00 |
| 26 24 13 00-0017 | EA | 4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 24,406.23 | 1,941.44 |
| 26 24 13 00-0018 | EA | 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 2,997.69 | 977.03 |
| 26 24 13 00-0019 | EA | 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 3,311.09 | 1,040.18 |
| 26 24 13 00-0020 | EA | 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 3,792.64 | 1,197.38 |
| 26 24 13 00-0021 | EA | 1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 4,088.79 | 1,247.69 |
| 26 24 13 00-0022 | EA | 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 4,353.24 | 1,292.70 |
| 26 24 13 00-0023 | EA | 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 4,769.64 | 1,385.99 |
| 26 24 13 00-0024 | EA | 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 5,156.97 | 1,481.04 |

### 26 24 13 00-0025 Branch Breaker Units *(26 24 13 00-0001)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

| | | | | |
|---|---|---|---|---|
| 26 24 13 00-0026 | EA | 15 To 60 Amperes, 240 Volt, MC Branch Breaker | 377.84 | 38.45 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.07* | |
| 26 24 13 00-0027 | EA | 70 To 100 Amperes, 240 Volt, MC Branch Breaker | 553.63 | 60.51 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *36.31* | |
| 26 24 13 00-0028 | EA | 125 To 225 Amperes, 240 Volt, MC Branch Breaker | 1,486.43 | 110.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *66.18* | |
| 26 24 13 00-0029 | EA | 100 To 400 Amperes, 240 Volt, MC Branch Breaker | 2,638.51 | 143.72 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *86.23* | |
| 26 24 13 00-0030 | EA | 300 To 600 Amperes, 240 Volt, MC Branch Breaker | 4,700.81 | 352.99 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *211.76* | |
| 26 24 13 00-0031 | EA | 400 To 800 Amperes, 240 Volt, MC Branch Breaker | 7,523.98 | 352.99 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *211.76* | |
| 26 24 13 00-0032 | EA | 600 To 1,200 Amperes, 240 Volt, MC Branch Breaker | 12,199.11 | 629.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *377.45* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 24 13 00-0033** | | **Fusible Switch Type 480 Volt, 3 Phase, 3 Wire** *(26 24 13)* | | |
| **26 24 13 00-0034** | | **Incoming Service Section Main Device Only** *(26 24 13 00-0033)*<br>Note: Copper bus, non-metering type, with fuses. | | |
| 26 24 13 00-0035 | EA | 400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch | 6,245.85 | 1,430.86 |
| 26 24 13 00-0036 | EA | 600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch | 6,976.28 | 1,430.86 |
| 26 24 13 00-0037 | EA | 800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch | 10,331.74 | 1,859.49 |
| 26 24 13 00-0038 | EA | 1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch | 11,707.35 | 1,859.49 |
| **26 24 13 00-0039** | | **Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire** *(26 24 13)* | | |
| **26 24 13 00-0040** | | **Incoming Service Section Main Device Only** *(26 24 13 00-0039)*<br>Note: Copper bus, non-metering type, with fuses. | | |
| 26 24 13 00-0041 | EA | 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch | 3,970.21 | 977.03 |
| 26 24 13 00-0042 | EA | 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch | 4,420.11 | 1,040.18 |
| 26 24 13 00-0043 | EA | 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch | 6,767.90 | 1,197.38 |
| 26 24 13 00-0044 | EA | 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch | 7,353.21 | 1,291.69 |
| 26 24 13 00-0045 | EA | 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker | 4,850.45 | 977.03 |
| 26 24 13 00-0046 | EA | 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker | 6,124.17 | 1,040.18 |
| 26 24 13 00-0047 | EA | 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker | 8,596.10 | 1,197.38 |
| 26 24 13 00-0048 | EA | 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker | 12,339.37 | 1,291.69 |
| 26 24 13 00-0049 | EA | 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker | 14,485.53 | 1,449.77 |
| 26 24 13 00-0050 | EA | 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug | 2,781.39 | 850.83 |
| 26 24 13 00-0051 | EA | 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug | 3,116.52 | 914.11 |
| 26 24 13 00-0052 | EA | 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug | 3,658.51 | 1,071.32 |
| 26 24 13 00-0053 | EA | 1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug | 3,937.86 | 1,121.62 |
| 26 24 13 00-0054 | EA | 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug | 4,208.08 | 1,166.38 |
| 26 24 13 00-0055 | EA | 1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug | 4,566.22 | 1,247.69 |
| 26 24 13 00-0056 | EA | 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug | 4,916.45 | 1,323.08 |
| 26 24 13 00-0057 | EA | 2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug | 6,102.88 | 1,638.87 |
| 26 24 13 00-0058 | EA | 3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug | 6,830.66 | 1,796.46 |
| 26 24 13 00-0059 | EA | 4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug | 8,035.41 | 1,938.29 |
| **26 24 13 00-0060** | | **Branch Breaker Units** *(26 24 13 00-0039)*<br>Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion. | | |
| 26 24 13 00-0061 | EA | 15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker | 203.36 | 33.41 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.04* | |
| 26 24 13 00-0062 | EA | 70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker | 323.10 | 55.47 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *33.28* | |
| 26 24 13 00-0063 | EA | 125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker | 982.65 | 77.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *46.52* | |
| 26 24 13 00-0064 | EA | 100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker | 2,822.98 | 99.59 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *59.75* | |
| 26 24 13 00-0065 | EA | 300 To 600 Amperes, 120/240 Volt, MC Branch Breaker | 4,448.29 | 242.68 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *145.60* | |
| 26 24 13 00-0066 | EA | 400 To 800 Amperes, 120/240 Volt, MC Branch Breaker | 6,321.63 | 242.68 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *145.60* | |
| 26 24 13 00-0067 | EA | 600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker | 10,425.03 | 463.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *278.01* | |
| **26 24 13 00-0068** | | **Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire** *(26 24 13)* | | |
| **26 24 13 00-0069** | | **Incoming Service Section Main Device Only** *(26 24 13 00-0068)*<br>Note: Copper bus, non-metering type, with fuses. | | |
| 26 24 13 00-0070 | EA | 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 4,413.65 | 1,102.71 |
| 26 24 13 00-0071 | EA | 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 4,881.43 | 1,166.38 |
| 26 24 13 00-0072 | EA | 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 7,878.80 | 1,323.08 |
| 26 24 13 00-0073 | EA | 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 8,486.90 | 1,418.38 |
| 26 24 13 00-0074 | EA | 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 13,608.25 | 1,512.30 |
| 26 24 13 00-0075 | EA | 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 15,180.15 | 1,607.99 |
| 26 24 13 00-0076 | EA | 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 5,340.91 | 1,102.71 |
| 26 24 13 00-0077 | EA | 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 6,835.64 | 1,166.38 |
| 26 24 13 00-0078 | EA | 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 9,526.79 | 1,324.21 |
| 26 24 13 00-0079 | EA | 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 13,025.42 | 1,418.38 |
| 26 24 13 00-0080 | EA | 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 13,611.15 | 1,513.82 |
| 26 24 13 00-0081 | EA | 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 15,180.15 | 1,607.99 |
| 26 24 13 00-0082 | EA | 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 3,144.51 | 977.03 |
| 26 24 13 00-0083 | EA | 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 3,515.42 | 1,040.18 |
| 26 24 13 00-0084 | EA | 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 4,098.96 | 1,197.38 |
| 26 24 13 00-0085 | EA | 1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 4,410.11 | 1,247.69 |
| 26 24 13 00-0086 | EA | 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 4,710.83 | 1,292.70 |
| 26 24 13 00-0087 | EA | 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 5,113.60 | 1,385.99 |
| 26 24 13 00-0088 | EA | 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 5,521.97 | 1,481.04 |
| 26 24 13 00-0089 | EA | 2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 6,554.57 | 1,683.00 |
| 26 24 13 00-0090 | EA | 3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 7,251.82 | 1,800.88 |
| 26 24 13 00-0091 | EA | 4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 8,561.28 | 1,935.13 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 24 13 00-0092** | | **Branch Breaker Units** *(26 24 13 00-0068)* Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion. | | |
| 26 24 13 00-0093 | EA | 15 To 60 Amperes, 120/208 Volt, MC Branch Breaker | 377.84 | 38.45 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.07* | |
| 26 24 13 00-0094 | EA | 70 To 100 Amperes, 120/208 Volt, MC Branch Breaker | 553.63 | 60.51 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *36.31* | |
| 26 24 13 00-0095 | EA | 125 To 225 Amperes, 120/208 Volt, MC Branch Breaker | 1,486.43 | 110.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *66.18* | |
| 26 24 13 00-0096 | EA | 100 To 400 Amperes, 120/208 Volt, MC Branch Breaker | 2,638.51 | 143.72 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *86.23* | |
| 26 24 13 00-0097 | EA | 300 To 600 Amperes, 120/208 Volt, MC Branch Breaker | 4,700.81 | 352.99 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *211.76* | |
| 26 24 13 00-0098 | EA | 400 To 800 Amperes, 120/208 Volt, MC Branch Breaker | 7,523.98 | 352.99 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *211.76* | |
| 26 24 13 00-0099 | EA | 600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker | 12,199.11 | 629.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *377.45* | |
| **26 24 13 00-0100** | | **Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire** *(26 24 13)* | | |
| **26 24 13 00-0101** | | **Incoming Service Section Main Device Only** *(26 24 13 00-0100)* Note: Copper bus, non-metering type, with fuses. | | |
| 26 24 13 00-0102 | EA | 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 5,721.80 | 1,512.30 |
| 26 24 13 00-0103 | EA | 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 6,279.92 | 1,607.99 |
| 26 24 13 00-0104 | EA | 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 8,929.38 | 1,794.82 |
| 26 24 13 00-0105 | EA | 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch | 9,760.71 | 1,921.77 |
| 26 24 13 00-0106 | EA | 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 7,296.08 | 1,512.30 |
| 26 24 13 00-0107 | EA | 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 9,808.42 | 1,607.99 |
| 26 24 13 00-0108 | EA | 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 11,113.40 | 1,796.84 |
| 26 24 13 00-0109 | EA | 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 14,032.14 | 1,921.77 |
| 26 24 13 00-0110 | EA | 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 14,682.02 | 2,049.23 |
| 26 24 13 00-0111 | EA | 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker | 16,317.31 | 2,176.56 |
| 26 24 13 00-0112 | EA | 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 3,144.51 | 977.03 |
| 26 24 13 00-0113 | EA | 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 3,515.42 | 1,040.18 |
| 26 24 13 00-0114 | EA | 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 4,098.96 | 1,197.38 |
| 26 24 13 00-0115 | EA | 1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 4,410.11 | 1,247.69 |
| 26 24 13 00-0116 | EA | 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 4,710.83 | 1,292.70 |
| 26 24 13 00-0117 | EA | 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 5,113.60 | 1,385.99 |
| 26 24 13 00-0118 | EA | 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug | 5,521.97 | 1,481.04 |
| **26 24 13 00-0119** | | **Branch Breaker Units** *(26 24 13 00-0100)* Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion. | | |
| 26 24 13 00-0120 | EA | 15 To 60 Amperes, 480/277 Volt, MC Branch Breaker | 782.22 | 38.45 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *23.07* | |
| 26 24 13 00-0121 | EA | 70 To 100 Amperes, 480/277 Volt, MC Branch Breaker | 901.59 | 60.51 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *36.31* | |
| 26 24 13 00-0122 | EA | 125 To 225 Amperes, 480/277 Volt, MC Branch Breaker | 1,635.02 | 110.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *66.18* | |
| 26 24 13 00-0123 | EA | 100 To 400 Amperes, 480/277 Volt, MC Branch Breaker | 2,638.51 | 143.72 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *86.23* | |
| 26 24 13 00-0124 | EA | 300 To 600 Amperes, 480/277 Volt, MC Branch Breaker | 6,322.11 | 352.99 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *211.76* | |
| 26 24 13 00-0125 | EA | 400 To 800 Amperes, 480/277 Volt, MC Branch Breaker | 6,466.93 | 352.99 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *211.76* | |
| 26 24 13 00-0126 | EA | 600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker | 10,376.56 | 629.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *377.45* | |
| **26 24 13 00-0127** | | **Fusible Branch Circuit Switch** *(26 24 13)* Note: Includes switch fuses, and portion of distribution section occupied by that branch device. | | |
| **26 24 13 00-0128** | | **240 Volt, 2 Pole Twin Branch Switch Units** *(26 24 13 00-0127)* | | |
| 26 24 13 00-0129 | EA | 30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit | 805.77 | 98.96 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0130 | EA | 30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit | 802.95 | 98.96 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0131 | EA | 60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit | 802.95 | 98.96 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0132 | EA | 60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit | 1,260.28 | 130.48 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0133 | EA | 100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit | 1,260.28 | 130.48 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| **26 24 13 00-0134** | | **240 Volt, 2 Pole Single Branch Switch Units** *(26 24 13 00-0127)* | | |
| 26 24 13 00-0135 | EA | 100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit | 921.76 | 97.08 |
| | | *For Electrical Interlock Kit, Add* | *314.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 13 00-0136 | EA | 200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit | 1,344.15 | 97.08 |
| | | *For Electrical Interlock Kit, Add* | *314.99* | |
| 26 24 13 00-0137 | EA | 400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit | 3,454.84 | 261.59 |
| **26 24 13 00-0138** | | **240 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)* | | |
| 26 24 13 00-0139 | EA | 30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit | 1,032.60 | 111.57 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0140 | EA | 30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit | 1,029.79 | 111.57 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0141 | EA | 60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit | 1,029.79 | 111.57 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0142 | EA | 60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit | 1,551.34 | 149.39 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0143 | EA | 100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit | 1,551.34 | 149.39 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| **26 24 13 00-0144** | | **240 Volt, 3 Pole Single Branch Switch Units** *(26 24 13 00-0127)* | | |
| 26 24 13 00-0145 | EA | 100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit | 1,116.42 | 109.68 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0146 | EA | 200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit | 1,804.99 | 109.68 |
| | | *For Electrical Interlock Kit, Add* | *314.99* | |
| 26 24 13 00-0147 | EA | 400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit | 4,627.31 | 292.85 |
| 26 24 13 00-0148 | EA | 600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit | 6,608.18 | 375.18 |
| 26 24 13 00-0149 | EA | 800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit | 12,300.26 | 508.30 |
| **26 24 13 00-0150** | | **600 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)* | | |
| 26 24 13 00-0151 | EA | 30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit | 1,458.99 | 111.57 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0152 | EA | 30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit | 1,456.14 | 111.57 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0153 | EA | 60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit | 1,458.99 | 111.57 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0154 | EA | 60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit | 2,194.69 | 149.39 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0155 | EA | 100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit | 2,242.30 | 149.39 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0156 | EA | 200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit | 4,774.86 | 195.41 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| **26 24 13 00-0157** | | **600 Volt, 3 Pole, Single Branch Switch Units** *(26 24 13 00-0127)* | | |
| 26 24 13 00-0158 | EA | 100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit | 1,575.65 | 109.68 |
| | | *For Electrical Interlock Kit, Add* | *328.81* | |
| 26 24 13 00-0159 | EA | 200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit | 2,388.00 | 109.68 |
| | | *For Electrical Interlock Kit, Add* | *314.99* | |
| 26 24 13 00-0160 | EA | 400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit | 5,809.91 | 292.85 |
| | | *For Electrical Interlock Kit, Add* | *314.99* | |
| 26 24 13 00-0161 | EA | 600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit | 7,055.80 | 375.18 |
| 26 24 13 00-0162 | EA | 800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit | 12,300.26 | 508.30 |
| **26 24 13 00-0163** | | **Service And Distribution Structures** *(26 24 13)* | | |
| **26 24 13 00-0164** | | **Distribution Section 600 Volt, 250 Volt DC** *(26 24 13 00-0163)* | | |
| **26 24 13 00-0165** | | **600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)* | | |
| 26 24 13 00-0166 | EA | 14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 2,943.90 | 1,159.82 |
| 26 24 13 00-0167 | EA | 24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 3,511.20 | 1,159.82 |
| 26 24 13 00-0168 | EA | 34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 3,910.22 | 1,474.98 |
| 26 24 13 00-0169 | EA | 42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 4,317.49 | 1,474.98 |
| **26 24 13 00-0170** | | **800 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)* | | |
| 26 24 13 00-0171 | EA | 14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 3,314.53 | 1,342.61 |
| 26 24 13 00-0172 | EA | 24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 3,865.73 | 1,342.61 |
| 26 24 13 00-0173 | EA | 34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 4,317.49 | 1,664.09 |
| 26 24 13 00-0174 | EA | 42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 4,683.36 | 1,664.09 |
| **26 24 13 00-0175** | | **1,200 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)* | | |
| 26 24 13 00-0176 | EA | 14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 3,888.18 | 1,638.87 |
| 26 24 13 00-0177 | EA | 24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 4,453.15 | 1,638.87 |
| 26 24 13 00-0178 | EA | 34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 4,933.49 | 2,017.08 |
| 26 24 13 00-0179 | EA | 42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 5,469.50 | 2,017.08 |
| **26 24 13 00-0180** | | **1,600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)* | | |
| 26 24 13 00-0181 | EA | 14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 4,797.67 | 1,796.46 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 13 00-0182 | EA | 24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 5,472.82 | 1,796.46 |
| 26 24 13 00-0183 | EA | 34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 6,043.93 | 2,218.79 |
| 26 24 13 00-0184 | EA | 42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 6,510.84 | 2,218.79 |
| **26 24 13 00-0185** | | **2,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)* | | |
| 26 24 13 00-0186 | EA | 14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 5,031.39 | 1,802.76 |
| 26 24 13 00-0187 | EA | 24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 5,761.45 | 2,029.68 |
| 26 24 13 00-0188 | EA | 34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 5,882.31 | 2,029.68 |
| 26 24 13 00-0189 | EA | 42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 6,129.69 | 2,143.14 |
| **26 24 13 00-0190** | | **3,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)* | | |
| 26 24 13 00-0191 | EA | 24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 6,910.47 | 2,029.68 |
| 26 24 13 00-0192 | EA | 34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 7,029.52 | 2,029.68 |
| 26 24 13 00-0193 | EA | 42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 7,276.90 | 2,143.14 |
| **26 24 13 00-0194** | | **4,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)* | | |
| 26 24 13 00-0195 | EA | 24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 7,072.09 | 2,143.14 |
| 26 24 13 00-0196 | EA | 34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 7,276.90 | 2,143.14 |
| 26 24 13 00-0197 | EA | 42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus | 7,366.23 | 2,143.14 |
| **26 24 13 00-0198** | | **Pull Boy, Horizontal Mounted Across Top Of Switch Board** *(26 24 13 00-0164)* | | |
| 26 24 13 00-0199 | EA | 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard | 623.62 | 151.28 |
| 26 24 13 00-0200 | EA | Drilled Bottom For Pull Boy | 703.18 | 151.28 |
| 26 24 13 00-0201 | EA | Cable Supports In Pull Box | 250.42 | 37.82 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *21.01* | |
| **26 24 13 00-0202** | | **Underground Pull Sections** *(26 24 13 00-0164)* | | |
| | | Note: Excludes no bus or terminal. | | |
| 26 24 13 00-0203 | EA | 12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal | 605.78 | 176.50 |
| 26 24 13 00-0204 | EA | 24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal | 1,045.70 | 226.92 |
| 26 24 13 00-0205 | EA | 24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal | 1,045.70 | 226.92 |
| 26 24 13 00-0206 | EA | 14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal | 784.08 | 176.50 |
| 26 24 13 00-0207 | EA | 28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal | 1,120.35 | 258.44 |
| 26 24 13 00-0208 | EA | 14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal | 1,279.40 | 258.44 |
| 26 24 13 00-0209 | EA | 26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal | 1,342.01 | 334.08 |
| 26 24 13 00-0210 | EA | 38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal | 1,418.29 | 334.08 |
| **26 24 13 00-0211** | | **Switchboard Sections** *(26 24 13 00-0163)* | | |
| 26 24 13 00-0212 | EA | 600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit | 4,863.00 | 1,050.52 |
| 26 24 13 00-0213 | EA | 800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit | 5,325.89 | 1,141.92 |
| 26 24 13 00-0214 | EA | 1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit | 6,680.78 | 1,459.10 |
| 26 24 13 00-0215 | EA | 1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit | 7,306.33 | 1,591.72 |
| 26 24 13 00-0216 | EA | 2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit | 7,791.90 | 1,694.47 |
| 26 24 13 00-0217 | EA | 400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section | 5,765.75 | 921.55 |
| 26 24 13 00-0218 | EA | 200 Amperes, Distribution Section Subfeeder Lug-Rated | 3,303.99 | 875.41 |
| 26 24 13 00-0219 | EA | 400 Amperes, Distribution Section Subfeeder Lug-Rated | 3,659.79 | 949.29 |
| 26 24 13 00-0220 | EA | 120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus | 8,192.27 | 1,050.52 |
| 26 24 13 00-0221 | EA | 800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker | 8,794.60 | 1,053.30 |
| 26 24 13 00-0222 | EA | 1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker | 9,654.67 | 1,175.96 |
| 26 24 13 00-0223 | EA | 15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame | 185.96 | 63.03 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *38.50* | |
| 26 24 13 00-0224 | EA | 70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame | 226.83 | 64.17 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *45.48* | |
| 26 24 13 00-0225 | EA | 70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame | 1,039.07 | 75.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *97.98* | |
| 26 24 13 00-0226 | EA | 125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame | 1,719.65 | 163.26 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *136.44* | |
| 26 24 13 00-0227 | EA | 100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker | 686.92 | 227.42 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *78.79* | |
| 26 24 13 00-0228 | EA | 225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker | 1,927.69 | 131.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *97.98* | |
| **26 24 13 00-0229** | | **Switchboard, Structure Per Section Copper, 480 Volt** *(26 24 13 00-0163)* | | |
| 26 24 13 00-0230 | EA | 225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard | 2,521.10 | 547.13 |
| 26 24 13 00-0231 | EA | 400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard | 3,583.91 | 739.89 |
| 26 24 13 00-0232 | EA | 600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard | 4,024.87 | 900.50 |
| 26 24 13 00-0233 | EA | 800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard | 5,083.25 | 1,260.68 |
| 26 24 13 00-0234 | EA | 1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard | 6,299.85 | 1,575.84 |
| 26 24 13 00-0235 | EA | 1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard | 6,933.96 | 1,575.84 |
| 26 24 13 00-0236 | EA | 2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard | 8,569.29 | 2,101.17 |
| 26 24 13 00-0237 | EA | 2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard | 9,785.18 | 2,101.17 |
| 26 24 13 00-0238 | EA | 3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard | 11,508.36 | 2,501.31 |
| 26 24 13 00-0239 | EA | 4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard | 13,745.72 | 2,501.31 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 24 13 00-0240** | | **Main Devices** *(26 24 13)* | | |
| **26 24 13 00-0241** | | **Power Circuit Breakers** *(26 24 13 00-0240)* | | |
| **26 24 13 00-0242** | | **DSL Breaker With Current Limiters And Amptector** *(26 24 13 00-0241)* | | |
| | | Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated. | | |
| 26 24 13 00-0243 | EA | 50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip | 8,814.40 | 1,323.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *792.54* | |
| 26 24 13 00-0244 | EA | 50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip | 16,073.10 | 2,206.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,322.39* | |
| 26 24 13 00-0245 | EA | 1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip | 36,131.55 | 3,706.39 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2,203.97* | |
| 26 24 13 00-0246 | EA | 4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip | 58,216.24 | 6,000.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3,664.75* | |
| 26 24 13 00-0247 | EA | Ground-Fault Trip All Power Breakers - Factory Installed | 3,044.81 | |
| 26 24 13 00-0248 | EA | Key Interlock All Power Breakers - Factory Installed | 393.23 | |
| 26 24 13 00-0249 | EA | Short Time Delay Selective Trip - Factory Installed | 515.89 | |
| 26 24 13 00-0250 | EA | Shunt Trip Manually Open Breakers - Factory Installed | 371.58 | |
| **26 24 13 00-0251** | | **DSL Breaker Electrical Operated And Amptector** *(26 24 13 00-0241)* | | |
| | | Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated. | | |
| 26 24 13 00-0252 | EA | 50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip | 10,319.28 | 1,386.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *835.99* | |
| 26 24 13 00-0253 | EA | 50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip | 19,154.99 | 2,332.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,392.50* | |
| 26 24 13 00-0254 | EA | 1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip | 40,577.25 | 3,845.06 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2,317.42* | |
| 26 24 13 00-0255 | EA | 4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip | 62,694.30 | 6,303.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3,875.03* | |
| **26 24 13 00-0256** | | **DS Breakers With Amptector Static Trip, Manually Operated** *(26 24 13 00-0241)* | | |
| | | Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated. | | |
| 26 24 13 00-0257 | EA | 50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip | 7,024.05 | 1,210.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *727.31* | |
| 26 24 13 00-0258 | EA | 50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip | 12,841.35 | 2,029.68 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,212.19* | |
| 26 24 13 00-0259 | EA | 2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip | 19,052.49 | 3,403.82 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *2,020.31* | |
| 26 24 13 00-0260 | EA | 1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip | 32,870.54 | 5,483.93 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3,364.79* | |
| 26 24 13 00-0261 | EA | 4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip | 53,501.97 | 8,950.79 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5,594.71* | |
| **26 24 13 00-0262** | | **DS Breakers With Amptector Static Trip, Electrically Operated** *(26 24 13 00-0241)* | | |
| | | Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated. | | |
| 26 24 13 00-0263 | EA | 50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip | 8,272.05 | 1,159.82 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *693.69* | |
| 26 24 13 00-0264 | EA | 50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip | 15,426.07 | 1,941.44 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,155.88* | |
| 26 24 13 00-0265 | EA | 2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip | 21,991.55 | 3,227.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,929.60* | |
| 26 24 13 00-0266 | EA | 1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip | 36,297.84 | 5,257.01 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3,216.01* | |
| 26 24 13 00-0267 | EA | 4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip | 56,791.74 | 9,013.83 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5,372.19* | |
| **26 24 13 00-0268** | | **Molded Case Circuit Breakers Conventional** *(26 24 13 00-0241)* | | |
| 26 24 13 00-0269 | EA | 70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker | 3,009.19 | 1,058.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *610.00* | |
| 26 24 13 00-0270 | EA | 125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker | 4,381.68 | 1,058.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *663.51* | |
| 26 24 13 00-0271 | EA | 300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker | 4,859.49 | 1,260.68 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *727.31* | |
| 26 24 13 00-0272 | EA | 400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker | 5,770.42 | 1,260.68 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *787.92* | |
| 26 24 13 00-0273 | EA | 600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker | 8,538.57 | 1,512.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *863.48* | |
| 26 24 13 00-0274 | EA | 1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker | 13,762.79 | 1,512.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *955.06* | |
| 26 24 13 00-0275 | EA | Shunt Trip, Factory Installed | 389.62 | |
| 26 24 13 00-0276 | EA | Groundfault Trip Complete Interrupting Circuit, Factory Installed | 90.19 | |
| **26 24 13 00-0277** | | **Switchboard Branch Breaker 480 Volt** *(26 24 13 00-0240)* | | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 13 00-0278 | EA | 60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker | 620.91 | 91.39 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *54.81* | |
| 26 24 13 00-0279 | EA | 100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker | 732.98 | 121.28 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.73* | |
| 26 24 13 00-0280 | EA | 225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker | 2,112.02 | 182.55 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *109.56* | |
| 26 24 13 00-0281 | EA | 400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker | 2,791.16 | 229.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *137.43* | |
| 26 24 13 00-0282 | EA | 600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker | 3,379.66 | 307.22 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *184.31* | |
| 26 24 13 00-0283 | EA | 800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker | 4,082.64 | 393.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *236.38* | |
| 26 24 13 00-0284 | EA | 1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker | 6,565.22 | 600.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *360.19* | |
| 26 24 13 00-0285 | EA | 1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker | 6,565.22 | 600.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *360.19* | |
| 26 24 13 00-0286 | EA | 1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker | 9,208.06 | 840.50 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *504.27* | |
| 26 24 13 00-0287 | EA | 2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker | 11,499.20 | 1,260.68 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *756.41* | |
| **26 24 13 00-0288** | | **Switchboard 277/480 Volt Main Breaker** *(26 24 13 00-0240)* | | |
| 26 24 13 00-0289 | EA | 400 Amperes, 277/480 Volt, Main Breaker, Switchboard | 7,450.47 | 547.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *328.30* | |
| 26 24 13 00-0290 | EA | 600 Amperes, 277/480 Volt, Main Breaker, Switchboard | 7,554.49 | 599.20 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *359.51* | |
| 26 24 13 00-0291 | EA | 800 Amperes, 277/480 Volt, Main Breaker, Switchboard | 8,157.10 | 900.50 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *540.29* | |
| 26 24 13 00-0292 | EA | 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard | 13,939.96 | 1,260.68 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *756.41* | |
| 26 24 13 00-0293 | EA | 1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard | 14,207.72 | 1,394.55 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *836.73* | |
| 26 24 13 00-0294 | EA | 2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard | 18,785.76 | 2,501.31 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,500.80* | |
| **26 24 13 00-0295** | | **Branch Or Distribution Devices** *(26 24 13)* | | |
| **26 24 13 00-0296** | | **3 Pole, Panel Mounted, Molded Case Circuit Breakers** *(26 24 13 00-0295)* | | |
| | | Note: Includes certified refurbished circuit breakers. | | |
| 26 24 13 00-0297 | EA | 15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker | 665.93 | 45.39 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 24 13 00-0298 | EA | 70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker | 671.37 | 56.73 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 24 13 00-0299 | EA | 125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker | 1,622.85 | 68.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *45.38* | |
| 26 24 13 00-0300 | EA | 70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker | 2,354.43 | 88.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *58.62* | |
| 26 24 13 00-0301 | EA | 125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker | 3,321.05 | 108.92 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.62* | |
| 26 24 13 00-0302 | EA | 300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker | 4,351.37 | 127.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *85.10* | |
| 26 24 13 00-0303 | EA | 900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker | 6,647.95 | 143.72 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *96.06* | |
| 26 24 13 00-0304 | EA | 50 Amperes, 3 Pole, 277/408V AC Molded Case Circuit Breaker (SquareD BDL36050LU)<br>Note: 14kA, lugs, thermal magnetic, 80%, control wire ON end | 1,343.65 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| **26 24 13 00-0305** | | **2 Pole, Panel Mounted, Molded Case Circuit Breakers** *(26 24 13 00-0295)* | | |
| | | Note: Includes certified refurbished circuit breakers. | | |
| 26 24 13 00-0306 | EA | 15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker | 458.55 | 34.04 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 24 13 00-0307 | EA | 70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker | 588.99 | 45.39 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 24 13 00-0308 | EA | 125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker | 1,618.29 | 56.73 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 24 13 00-0309 | EA | 70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker | 2,566.95 | 63.03 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.60* | |
| 26 24 13 00-0310 | EA | 125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker | 2,710.85 | 81.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *54.84* | |
| 26 24 13 00-0311 | EA | 900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker | 6,150.99 | 119.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *79.42* | |
| **26 24 13 00-0312** | | **Meter Devices And Instrumentation** *(26 24 13)* | | |
| | | Note: Factory installed accessories. | | |
| **26 24 13 00-0313** | | **Compartments For Instrument Transformers And Metering Devices** *(26 24 13 00-0312)* | | |
| 26 24 13 00-0314 | EA | Compartment For, Up To 800 Amperes, Primary Current Transformer | 470.79 | |
| 26 24 13 00-0315 | EA | Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer | 680.03 | |
| 26 24 13 00-0316 | EA | Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer | 800.89 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 24 13 00-0317** | | **Instruments** *(26 24 13 00-0312)* | | |
| 26 24 13 00-0318 | EA | AC Voltmeter | 642.15 | |
| 26 24 13 00-0319 | EA | AC Ammeter | 642.15 | |
| 26 24 13 00-0320 | EA | AC Wattmeter | 1,715.41 | |
| 26 24 13 00-0321 | EA | Variometer | 1,937.28 | |
| 26 24 13 00-0322 | EA | Power Factor Meter | 1,547.66 | |
| 26 24 13 00-0323 | EA | Frequency Meter | 1,708.19 | |
| 26 24 13 00-0324 | EA | 200 Volt-Amperes Max Potential Transformer | 577.21 | |
| 26 24 13 00-0325 | EA | AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block | 2,173.57 | |
| 26 24 13 00-0326 | EA | AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2 | 3,636.45 | |
| 26 24 13 00-0327 | EA | Weatherproof, Modify Meter | 3,505.82 | |
| 26 24 13 00-0328 | EA | Control Switch Resistor Type 130 V | 82.24 | |
| 26 24 13 00-0329 | EA | Metering Instrument: Voltage, Amperes And Watt Hour | 4,386.48 | |
| **26 24 13 00-0330** | | **Intergrated Switchboard With NEMA 3R Enclosure** *(26 24 13)* | | |
| 26 24 13 00-0331 | EA | 1200 Amp, 480Y/277V 3-Phase 4-Wire, IFS Switchboard, Front Access/ Front and Rear Align, Type 3R (nonwalk-in) Flat Roof, Copper, Minimum Interrupting Rating: 35kA, Bus Bracing Rating: 65kA | 85,460.00 | |
| | | Note: List of Materials: 1 - IFS Switchboard, 6 - Type 3R (nonwalk-in) Flat Roof, 6 - Seismic Freestanding Label (IBC/CBC Seismic Qualified), 6 - Heater Package - (CPT, heater, thermostat, fused disconnect), 1 - FILTERED LOUVERS, 1 - GFCI RECEPTACLE, 1 - 1200 Amp CU Distribution Structure, 9 - Nameplate, 8 - Padlockable lockoff device, 1 - Digitrip 310+ ALSIG w/ ArcFlash Reduction Maintenance System, 1 - Local using blue light / switch on face of Switchboard, 1 - Digitrip 310+ LSIG, 2 - 225A 310p LSIG Trip Unit, Included, 4 - Thermal Mag Trip - Standard, 1 - SPD Series 250kA SPD, Standard w/ Surge Counter (Disconnect Included), 1 - 1200 Amp Customer Metering - PXM2270, CTs, With Display, 1 - PXM2270 METER/DISPLAY 60HZ 5A 90-265V AC/DC, 1 - PXM2000 Gateway Card, Included, 1 - SPD BREAKER NEEDS TO HAVE LSIG, 2 - IFS Integration Structure, 2 - General Purpose, DOE 2016 Rated Transformer, 3Ph, 480V-208Y/120V, 1 - 15 deg C, Cu Windings, 150 KVA with Factory Connections, 3 - IFS Integration Structure, 3 - Standard Trim, IFS, 3 - Panel Nameplate - White with Black Letters, 3 - Circuit Directory - Plastic Sleeve with Card, 3 - IFS Panelboard Nameplate, 1 - 400A, Main Lugs Only, 3 - ****TVSS None, 1 - ****Asco None, 3 - ****Main Chassis, 24 - 20A, 1P FD Branch Breaker, 1 - 15A, 3P FD Branch Breaker, 15 - 1P FD Branch Provision Only, 3 - ****USA chassis, 3 - Seismic Label (IBC/CBC Seismic Qualified), 1 - Std. Bolted Cu Ground Bar (Cu Cable Only), 1 - IFS - Panelboard PRL3a, 3 - Copper Main Bus, 400 Amps, 1 - Installation and Connection, Panel SL1-GD-HNP-PNL-01, 2 - Std. Bolted Cu Ground Bar (Cu Cable Only), 2 - 400A, 3P DK Main Breaker, 2 - PXBCM Advanced + Energy (Main and Branch Devices), 42 Circuit, 2 - ****IQ Metering - Main Incoming Service, 84 - 20A, 1P QBHW Branch Breaker, 2 - IFS - Panelboard PRL1a, 1 - Installation and Connection, Panel SL1-GD-LNP-PNL-02, 1 - LED LIGHT PER STRUCTURE WITH SWITCH, 1 - 1200A Adj, 3P [NGS 1200A Frame], Trip 1200 A, 310+ w/ ARMS, (4) 4/0- 500 kcmil, Mechanical, Bottom, 1 - 400A 3P [KD 400A Frame], Trip 400 A, 310+, (1) 2/0-500 kcmil, Mechanical, 2 - 175A 3P [FDE 225A Frame], Trip 175 A, 225A 310+, (1) #4-4/0, Mechanical, 4 - 100A 3P [FD 225A Frame], Trip 100 A, Thermal Mag, (1) #14-1/0, Mechanical | | |
| | | *For NETA Job Site Acceptance Testing / Meter Start Up, Add* | *7,885.00* | |
| | | *For Short Circuit, Coordination, Arc Flash Studies and Arc Flash Labels, Add* | *8,450.00* | |
| **26 24 13 00-0332** | | **Special-made direct factory replacement GE-TPS/SSGF Main 2000AF/1600AT Circuit Breaker with SS Trip Unit and Ground Fault Protection** *(26 24 13)* | | |
| 26 24 13 00-0333 | EA | Direct Factory Replacement GE-TPS/SSGF Main 2000AF/1600AT Circuit Breaker with SS Trip unit and Ground Fault Protection | 60,819.99 | |
| | | Note: Includes (1) GE Factory Neutral Sensor and Power Supply Needs to be installed by GE-ABB Factory Authorized Service Center. This Assembly is custom made for direct factory replacement at 405 South Santa Anita Ave Main Panel. Zinsco Original Panel was manufactured with the above exact GE Circuit Breaker which has been factory upgraded with GE-ABB Solid State Trip Unit and a factory Like for Like TPS replacement which would not void original UL Listing. Complete installation of Main Circuit Breaker Hardware, GF Neutral Sensor and Ground Bond system repair including NETA GF and Primary Test Certification. | | |
| | | *For NETA GFI Certification, Add* | *1,620.00* | |
| **26 24 13 00-0334** | | **Main Switchboard with Manual Transfer Switch** *(26 24 13)* | | |
| 26 24 13 00-0335 | EA | Main Switchboard "MSB", 600A, 208/120V, 3-Phase, 4-Wire, NEMA3R, 42kAIC (Eaton Pow-R-Line C) | 39,211.02 | 1,102.60 |
| 26 24 13 00-0336 | EA | Manual Transfer Switch "MTS" 600A, 3-Pole, NEMA 3R, 42KAIC (ASCO) | 24,753.95 | 1,036.52 |
| **26 24 13 00-0337** | | **Custom Switchboard With NEMA 3R Enclosure** *(26 24 13)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 13 00-0338 | EA | One (1) Main Switchboard "MSB" Pow-R-Line Xpert Switchboard, Front Access/Front and Rear Align, Type 3R (nonwalk-in) Flat Roof, 208Y/120V 3- Phase 4-Wire, 600 Copper, Minimum Interrupting Rating: 65kA, Bus Bracing Rating: 65kA, Depth: 24 In (Eaton Pow-R-Line Xpert) and One (1) Manual Transfer Switch "MTS" Quick Connect Switch QCDT(Eaton) | 58,188.08 | 2,662.52 |
| | | Note: Includes: Delivery, assembly, installation, testing and commissioning of custom and special order electrical equipment Journeyman Medium Voltage Electricians, Equipment Operator. Prevailing wages [hourly wage compensation including PPE for energized equipment] Installation, testing and commissioning performed during normal business hours. MSB Structure 1: 600 Amp CU Main Structure, Structure 2: 600 Amp CU Bussed Utility Pull Section MSB List of Materials: 1 Pow-R-Line Xpert 2 Type 3R (nonwalk-in) Flat Roof 1 Service Entrance Label 2 Copper Ground Bus 2 Seismic Freestanding Label (IBC/CBC Seismic Qualified) 1 600 Amp CU Bussed Utility Pull Section 1 600A Pull Section - SOUTHERN CALIFORNIA EDISON (SCE) 2 Horizontal Isol. Barrier (Service Entrance) 1 600 Amp CU Main Structure 1 600A Utility Metering - SOUTHERN CALIFORNIA EDISON (SCE) 1 Utility Meter Socket 1 SPD Series 160kA SPD, Standard w/ Surge Counter (Disconnect Included) 1 Padlockable lockoff device 1 600A, 3P PDG33G Breaker [600A Frame], Trip 600 A, Thermal Mag MTS List of Materials: 1 DT, 3P, 3W+G, 240V, 600A, Fused, No Neut, NEMA 3R 1 Device Voltage Rating, 240 VAC, 250 VDC 1 Pole Configuration, 3-Pole, 3-Wire, (No Neutral) 1 Amperage, 600 1 Upper Utility Power Switch, Fused 1 Lower Generator Power Switch, Fused 1 Enclosure Type, Type 3R 1 Quick Connect Receptacle Designation, CamLok | | |

## 26 24 16 Panelboards *(26 24)*

### 26 24 16 00-0001 Branch Circuit Panelboard *(26 24 16)*

Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.

### 26 24 16 00-0002 Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.

### 26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0004 | EA | 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers | 1,340.33 | 359.29 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0005 | EA | 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers | 1,524.71 | 359.29 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0006 | EA | 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers | 1,732.37 | 497.97 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0007 | EA | 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers | 1,942.47 | 497.97 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0008 | EA | 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers | 2,140.25 | 624.04 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0009 | EA | 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers | 2,343.16 | 624.04 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0010 | EA | 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers | 2,539.23 | 718.59 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0011 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers | 3,051.22 | 920.30 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0012 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers | 3,212.47 | 920.30 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0013 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Six 20 Ampere Breakers | 3,370.74 | 1,052.67 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0014 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers | 3,625.83 | 1,052.67 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0015 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers | 3,782.93 | 1,185.04 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0016 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers | 4,016.61 | 1,185.04 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0017 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers | 4,159.89 | 1,311.11 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0018 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers | 4,394.28 | 1,311.11 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0019 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers | 4,610.01 | 1,449.77 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0020 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers | 4,759.01 | 1,449.77 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0021 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers | 4,976.69 | 1,449.77 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0022 | | 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)* | | |
| 26 24 16 00-0023 | EA | 50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers | 1,585.57 | 346.69 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0024 | EA | 50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers | 1,772.69 | 346.69 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0025 | EA | 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers | 2,204.56 | 592.52 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0026 | EA | 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers | 2,499.78 | 592.52 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0027 | EA | 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers | 2,701.55 | 724.89 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0028 | EA | 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Cpacity Assembled Panelboard With Eighteen 20 Ampere Breakers | 2,911.91 | 724.89 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0029 | EA | 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers | 3,098.78 | 869.87 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0030 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers | 3,748.39 | 869.87 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0031 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers | 3,915.03 | 1,065.27 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0032 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers | 4,095.95 | 1,065.27 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0033 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers | 4,294.05 | 1,197.65 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0034 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers | 4,454.83 | 1,197.65 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0035 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers | 4,626.19 | 1,311.11 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0036 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers | 4,809.77 | 1,311.11 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0037 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers | 5,007.57 | 1,550.63 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0038 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers | 5,222.01 | 1,550.63 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0039 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers | 5,456.12 | 1,550.63 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0040 | EA | 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers | 5,601.16 | 1,638.87 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0041 | | 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0042 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers | 1,617.29 | 409.72 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0043 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers | 1,816.11 | 409.72 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0044 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers | 2,041.61 | 548.40 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0045 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers | 2,278.26 | 548.40 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0046 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers | 2,490.57 | 674.46 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0047 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers | 2,717.43 | 674.46 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0048 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers | 2,931.05 | 800.53 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0049 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers | 3,152.35 | 800.53 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0050 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers | 3,357.57 | 939.21 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0051 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers | 3,593.90 | 939.21 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0052 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers | 3,835.15 | 1,084.18 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0053 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers | 4,071.42 | 1,084.18 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0054 | EA | 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers | 4,544.88 | 1,311.11 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0055 | EA | 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers | 4,706.64 | 1,311.11 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0056 | EA | 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers | 4,982.03 | 1,456.07 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0057 | EA | 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers | 5,232.64 | 1,456.07 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0058 | EA | 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers | 5,409.28 | 1,588.45 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0059 | EA | 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers | 5,660.39 | 1,588.45 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0060 | EA | 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers | 5,495.08 | 1,409.44 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0061 | EA | 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers | 5,673.56 | 1,481.29 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0062 | EA | 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers | 5,961.47 | 1,560.09 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0063 | EA | 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers | 6,231.16 | 1,651.48 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0064 | EA | 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers | 6,418.90 | 1,701.91 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0065 | EA | 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers | 6,722.50 | 1,805.92 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |

## 26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0067 | EA | 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers | 1,920.12 | 397.11 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0068 | EA | 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers | 2,121.50 | 397.11 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0069 | EA | 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers | 2,360.65 | 523.18 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0070 | EA | 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers | 2,691.49 | 523.18 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0071 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers | 3,184.79 | 787.92 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0072 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers | 3,392.09 | 787.92 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0073 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers | 3,616.79 | 920.30 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0074 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers | 3,804.28 | 920.30 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0075 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers | 4,056.26 | 1,065.27 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0076 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers | 4,229.18 | 1,065.27 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0077 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers | 4,507.63 | 1,197.65 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0078 | EA | 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers | 4,745.99 | 1,197.65 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0079 | EA | 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers | 5,575.98 | 1,386.74 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0080 | EA | 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers | 5,823.52 | 1,462.38 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0081 | EA | 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers | 5,929.26 | 1,462.38 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0082 | EA | 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers | 6,207.35 | 1,651.48 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0083 | EA | 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers | 6,400.76 | 1,651.48 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0084 | EA | 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers | 6,529.05 | 1,651.48 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0085 | EA | 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers | 6,554.46 | 1,519.11 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0086 | EA | 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers | 6,825.26 | 1,607.36 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0087 | EA | 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers | 6,934.62 | 1,651.48 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0088 | EA | 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers | 7,234.87 | 1,752.33 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0089 | EA | 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers | 7,427.21 | 1,802.76 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0090 | EA | 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers | 7,609.59 | 1,865.80 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| **26 24 16 00-0091** | | **480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards** *(26 24 16 00-0002)* | | |
| 26 24 16 00-0092 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers | 1,822.21 | 403.42 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0093 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers | 2,084.51 | 403.42 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0094 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers | 2,336.00 | 554.70 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0095 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers | 2,598.28 | 554.70 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0096 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers | 2,842.89 | 693.37 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0097 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers | 3,100.63 | 693.37 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0098 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard WithTwenty 20 Ampere Breakers | 3,369.59 | 838.35 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0099 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers | 3,616.12 | 838.35 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0100 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Four 20 Ampere Breakers | 3,887.11 | 995.94 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0101 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers | 4,148.76 | 995.94 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0102 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers | 4,389.33 | 1,134.61 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0103 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers | 4,647.07 | 1,134.61 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0104 | EA | 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers | 5,198.13 | 1,380.43 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0105 | EA | 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers | 5,455.57 | 1,380.43 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0106 | EA | 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers | 5,729.66 | 1,512.81 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0107 | EA | 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers | 5,929.76 | 1,512.81 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0108 | EA | 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers | 6,234.71 | 1,670.39 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0109 | EA | 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers | 6,452.44 | 1,670.39 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| **26 24 16 00-0110** | | **480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0111 | EA | 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers | 2,316.81 | 428.63 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0112 | EA | 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers | 2,573.13 | 466.45 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0113 | EA | 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers | 2,832.28 | 579.91 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0114 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers, | 3,404.74 | 705.98 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0115 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers | 3,652.43 | 781.62 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0116 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers | 3,877.95 | 844.66 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0117 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers | 4,126.79 | 920.30 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0118 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers | 4,366.13 | 995.94 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0119 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers | 4,584.89 | 1,058.97 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0120 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers | 4,819.77 | 1,122.00 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0121 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers | 5,074.16 | 1,197.65 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0122 | EA | 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers | 5,352.43 | 1,292.20 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0123 | EA | 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers | 6,725.07 | 1,437.16 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0124 | EA | 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers | 6,991.79 | 1,525.41 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0125 | EA | 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers | 7,180.68 | 1,563.23 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0126 | EA | 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers | 7,480.91 | 1,664.09 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0127 | EA | 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Cpacity Assembled Panelboard With Forty 20 Ampere Breakers | 7,688.93 | 1,727.12 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0128 | EA | 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers | 7,904.74 | 1,781.34 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0129 | | 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)* | | |
| 26 24 16 00-0130 | EA | 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers | 2,215.23 | 441.24 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0131 | EA | 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers | 2,507.54 | 441.24 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0132 | EA | 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers | 2,792.19 | 586.22 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0133 | EA | 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers | 3,079.19 | 586.22 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0134 | EA | 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers | 3,370.92 | 724.89 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0135 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers | 3,656.54 | 724.89 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0136 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers | 3,946.90 | 869.87 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0137 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers | 4,236.05 | 869.87 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0138 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers | 4,552.29 | 1,021.15 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0139 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers | 4,816.62 | 1,021.15 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0140 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers | 5,096.09 | 1,027.45 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0141 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers | 5,393.88 | 1,027.45 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0142 | EA | 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers | 6,145.56 | 1,424.56 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0143 | EA | 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers | 6,450.12 | 1,424.56 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0144 | EA | 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers | 6,684.48 | 1,500.20 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0145 | EA | 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers | 7,017.36 | 1,601.05 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0146 | EA | 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers | 7,267.80 | 1,601.05 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0147 | EA | 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers | 7,637.63 | 1,752.33 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |

## 26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0149 | EA | 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers | 2,874.27 | 542.09 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0150 | EA | 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers | 3,173.58 | 542.09 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0151 | EA | 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers | 3,461.47 | 718.59 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0152 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers | 4,123.30 | 718.59 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0153 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers | 4,401.10 | 907.69 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0154 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers | 4,678.46 | 907.69 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0155 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers | 4,946.31 | 1,040.06 |
| | | *For NEMA 3R Panelboard, Add* | *1,579.99* | |
| 26 24 16 00-0156 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers | 5,193.59 | 1,040.06 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0157 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers | 5,456.98 | 1,185.04 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0158 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers | 5,739.88 | 1,185.04 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0159 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers | 5,982.64 | 1,311.11 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0160 | EA | 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers | 6,237.60 | 1,311.11 |
| | | *For NEMA 3R Panelboard, Add* | *1,737.56* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0161 | EA | 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers | 8,140.84 | 1,550.63 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0162 | EA | 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers | 8,451.08 | 1,550.63 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0163 | EA | 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers | 8,678.88 | 1,695.60 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0164 | EA | 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers | 9,026.08 | 1,695.60 |
| | | *For NEMA 3R Panelboard, Add* | *2,052.47* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0165 | EA | 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers | 9,275.15 | 1,853.19 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0166 | EA | 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers | 9,532.84 | 1,853.19 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0167 | EA | 400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers | 11,306.30 | 2,063.73 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0168 | EA | 600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers | 13,761.20 | 2,477.22 |
| | | *For NEMA 3R Panelboard, Add* | *2,136.20* | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |

### 26 24 16 00-0169 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

### 26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

### 26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

| | | | |
|---|---|---|---|
| 26 24 16 00-0172 | EA | 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 704.90 |
| 26 24 16 00-0173 | EA | 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 811.22 |
| 26 24 16 00-0174 | EA | 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,105.27 |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* |
| 26 24 16 00-0175 | EA | 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,275.85 |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* |
| 26 24 16 00-0176 | EA | 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,443.89 |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* |
| 26 24 16 00-0177 | EA | 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,615.11 |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* |
| 26 24 16 00-0178 | EA | 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,753.61 |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* |
| 26 24 16 00-0179 | EA | 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,920.47 |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* |
| 26 24 16 00-0180 | EA | 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,091.16 |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0181 | EA | 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,229.21 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0182 | EA | 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,435.19 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |

### 26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0184 | EA | 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,048.82 | |
| 26 24 16 00-0185 | EA | 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,188.59 | |
| 26 24 16 00-0186 | EA | 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,904.93 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0187 | EA | 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,115.42 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0188 | EA | 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,313.38 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0189 | EA | 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 4,011.43 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0190 | EA | 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 4,248.37 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0191 | EA | 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 4,462.23 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |

### 26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0193 | EA | 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,424.15 | |
| 26 24 16 00-0194 | EA | 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,522.25 | |
| 26 24 16 00-0195 | EA | 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,799.17 | |
| 26 24 16 00-0196 | EA | 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,966.34 | |
| 26 24 16 00-0197 | EA | 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,121.36 | |
| 26 24 16 00-0198 | EA | 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,425.47 | |
| 26 24 16 00-0199 | EA | 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,555.06 | |
| 26 24 16 00-0200 | EA | 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,713.70 | |
| 26 24 16 00-0201 | EA | 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,947.42 | |
| 26 24 16 00-0202 | EA | 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,080.43 | |
| 26 24 16 00-0203 | EA | 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,273.65 | |

### 26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0205 | EA | 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,759.85 | |
| 26 24 16 00-0206 | EA | 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,890.72 | |
| 26 24 16 00-0207 | EA | 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,731.73 | |
| 26 24 16 00-0208 | EA | 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,925.78 | |
| 26 24 16 00-0209 | EA | 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,111.41 | |
| 26 24 16 00-0210 | EA | 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 4,792.33 | |
| 26 24 16 00-0211 | EA | 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 5,021.05 | |
| 26 24 16 00-0212 | EA | 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard | 5,232.86 | |

### 26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0215 | EA | 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 794.60 | |
| 26 24 16 00-0216 | EA | 100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 934.61 | |
| 26 24 16 00-0217 | EA | 100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,052.25 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0218 | EA | 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,191.74 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0219 | EA | 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,371.82 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0220 | EA | 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,519.29 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0221 | EA | 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,751.90 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0222 | EA | 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,887.93 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0223 | EA | 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,038.18 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0224 | EA | 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,243.00 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0225 | EA | 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,475.36 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0226 | EA | 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,927.75 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |

### 26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0228 | EA | 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,229.67 | |
| 26 24 16 00-0229 | EA | 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,386.97 | |
| 26 24 16 00-0230 | EA | 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,591.80 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0231 | EA | 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,357.93 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0232 | EA | 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,553.41 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0233 | EA | 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,736.14 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0234 | EA | 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 3,785.63 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0235 | EA | 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 4,006.00 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0236 | EA | 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 4,188.81 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |

### 26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0238 | EA | 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,513.85 | |
| 26 24 16 00-0239 | EA | 100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,645.64 | |
| 26 24 16 00-0240 | EA | 100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,754.38 | |
| 26 24 16 00-0241 | EA | 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,885.65 | |
| 26 24 16 00-0242 | EA | 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,062.30 | |
| 26 24 16 00-0243 | EA | 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,196.76 | |
| 26 24 16 00-0244 | EA | 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,562.26 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0245 | EA | 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,689.38 | |
| 26 24 16 00-0246 | EA | 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,831.42 | |
| 26 24 16 00-0247 | EA | 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 3,099.26 | |
| 26 24 16 00-0248 | EA | 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 3,315.86 | |
| 26 24 16 00-0249 | EA | 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 3,768.24 | |

### 26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0251 | EA | 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 1,940.70 | |
| 26 24 16 00-0252 | EA | 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,089.10 | |
| 26 24 16 00-0253 | EA | 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 2,289.14 | |
| 26 24 16 00-0254 | EA | 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 3,184.72 | |
| 26 24 16 00-0255 | EA | 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 3,363.77 | |
| 26 24 16 00-0256 | EA | 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 3,534.17 | |
| 26 24 16 00-0257 | EA | 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 5,284.68 | |
| 26 24 16 00-0258 | EA | 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 5,512.18 | |
| 26 24 16 00-0259 | EA | 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard | 5,707.04 | |

### 26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

### 26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0262 | EA | 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,138.51 | |
| 26 24 16 00-0263 | EA | 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,249.76 | |
| 26 24 16 00-0264 | EA | 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,726.00 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0265 | EA | 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,924.66 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0266 | EA | 250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,096.53 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0267 | EA | 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,092.18 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0268 | EA | 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,205.09 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0269 | EA | 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,395.67 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0270 | EA | 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,533.30 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0271 | EA | 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,715.45 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0272 | EA | 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,965.50 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |

### 26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0274 | EA | 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,332.17 | |
| 26 24 16 00-0275 | EA | 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,405.79 | |
| 26 24 16 00-0276 | EA | 125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,611.92 | |
| 26 24 16 00-0277 | EA | 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,752.57 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0278 | EA | 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,033.12 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0279 | EA | 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,942.00 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0280 | EA | 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 4,116.31 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0281 | EA | 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 4,341.15 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0282 | EA | 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 4,482.24 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0283 | EA | 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 4,717.91 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0284 | EA | 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 4,931.39 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |

### 26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0286 | EA | 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,833.11 | |
| 26 24 16 00-0287 | EA | 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 1,944.36 | |
| 26 24 16 00-0288 | EA | 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,404.16 | |
| 26 24 16 00-0289 | EA | 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,722.01 | |
| 26 24 16 00-0290 | EA | 250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,880.17 | |
| 26 24 16 00-0291 | EA | 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,875.82 | |
| 26 24 16 00-0292 | EA | 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 2,968.18 | |
| 26 24 16 00-0293 | EA | 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,129.31 | |
| 26 24 16 00-0294 | EA | 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,335.43 | |
| 26 24 16 00-0295 | EA | 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,500.81 | |
| 26 24 16 00-0296 | EA | 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,714.81 | |

### 26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0298 | EA | 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,174.72 | |
| 26 24 16 00-0299 | EA | 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,248.34 | |
| 26 24 16 00-0300 | EA | 125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,296.24 | |
| 26 24 16 00-0301 | EA | 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,430.72 | |
| 26 24 16 00-0302 | EA | 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 3,830.46 | |
| 26 24 16 00-0303 | EA | 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 4,725.64 | |
| 26 24 16 00-0304 | EA | 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 4,879.40 | |
| 26 24 16 00-0305 | EA | 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 5,074.78 | |
| 26 24 16 00-0306 | EA | 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 5,215.87 | |
| 26 24 16 00-0307 | EA | 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 5,432.72 | |
| 26 24 16 00-0308 | EA | 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard | 5,643.34 | |

### 26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

### 26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0311 | EA | 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard | 1,185.09 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0312 | EA | 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard | 1,297.03 | |
| 26 24 16 00-0313 | EA | 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard | 1,500.93 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0314 | EA | 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard | 1,794.54 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0315 | EA | 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard | 1,994.72 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0316 | EA | 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard | 2,165.25 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0317 | EA | 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard | 2,182.77 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0318 | EA | 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard | 2,317.43 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0319 | EA | 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard | 2,506.57 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0320 | EA | 600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard | 2,644.42 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0321 | EA | 600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard | 2,827.46 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0322 | EA | 600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard | 3,078.45 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |

### 26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0324 | EA | 100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard | 2,571.92 | |
| 26 24 16 00-0325 | EA | 100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard | 2,646.22 | |
| 26 24 16 00-0326 | EA | 100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard | 2,867.51 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0327 | EA | 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard | 2,941.49 | |
| 26 24 16 00-0328 | EA | 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard | 3,082.70 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0329 | EA | 125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard | 3,362.53 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0330 | EA | 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard | 4,328.56 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0331 | EA | 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard | 4,504.98 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0332 | EA | 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard | 4,727.44 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |
| 26 24 16 00-0333 | EA | 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard | 4,945.45 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *126.97* | |
| 26 24 16 00-0334 | EA | 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard | 5,183.38 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *216.84* | |
| 26 24 16 00-0335 | EA | 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard | 5,396.74 | |
| | | *For Door-In-Door (Hinged) Trim Front, Add* | *277.14* | |

### 26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0337 | EA | 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard | 1,879.69 | |
| 26 24 16 00-0338 | EA | 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard | 1,991.62 | |
| 26 24 16 00-0339 | EA | 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard | 2,185.25 | |
| 26 24 16 00-0340 | EA | 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard | 2,472.70 | |
| 26 24 16 00-0341 | EA | 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard | 2,792.06 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0342 | EA | 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard | 2,948.89 | |
| 26 24 16 00-0343 | EA | 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard | 2,968.47 | |
| 26 24 16 00-0344 | EA | 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard | 3,080.52 | |
| 26 24 16 00-0345 | EA | 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard | 3,240.20 | |
| 26 24 16 00-0346 | EA | 600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard | 3,446.55 | |
| 26 24 16 00-0347 | EA | 600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard | 3,612.47 | |
| 26 24 16 00-0348 | EA | 600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard | 3,826.47 | |

## 26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0350 | EA | 100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard | 3,250.07 | |
| 26 24 16 00-0351 | EA | 100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard | 3,324.38 | |
| 26 24 16 00-0352 | EA | 100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard | 3,664.85 | |
| 26 24 16 00-0353 | EA | 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard | 3,625.81 | |
| 26 24 16 00-0354 | EA | 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard | 3,760.85 | |
| 26 24 16 00-0355 | EA | 125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard | 4,159.88 | |
| 26 24 16 00-0356 | EA | 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard | 5,112.20 | |
| 26 24 16 00-0357 | EA | 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard | 5,268.08 | |
| 26 24 16 00-0358 | EA | 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard | 5,461.08 | |
| 26 24 16 00-0359 | EA | 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard | 5,679.09 | |
| 26 24 16 00-0360 | EA | 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard | 5,897.84 | |
| 26 24 16 00-0361 | EA | 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard | 6,107.77 | |

## 26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: Square D I-Line or equal.

## 26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0364 | EA | 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 2,031.16 | 374.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *224.95* | |
| 26 24 16 00-0365 | EA | 400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 2,374.52 | 374.80 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *224.89* | |
| 26 24 16 00-0366 | EA | 400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 2,633.09 | 374.80 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *224.89* | |
| 26 24 16 00-0367 | EA | 600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 3,015.33 | 615.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *369.32* | |
| 26 24 16 00-0368 | EA | 600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 3,215.46 | 615.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *369.32* | |
| 26 24 16 00-0369 | EA | 600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 3,435.06 | 615.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *369.32* | |
| 26 24 16 00-0370 | EA | 800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 3,720.87 | 818.24 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *490.92* | |
| 26 24 16 00-0371 | EA | 800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 3,913.60 | 820.65 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *492.42* | |
| 26 24 16 00-0372 | EA | 800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 3,991.83 | 818.24 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *490.92* | |
| 26 24 16 00-0373 | EA | 800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 4,626.74 | 818.24 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *490.92* | |
| 26 24 16 00-0374 | EA | 1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 6,040.40 | 1,231.04 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *738.63* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0375 | EA | 1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 6,472.52 | 1,231.04 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *738.63* | |
| 26 24 16 00-0376 | EA | 1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 6,825.84 | 1,231.04 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *738.63* | |
| 26 24 16 00-0377 | EA | 1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 7,257.08 | 1,231.04 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *738.63* | |

## 26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0379 | EA | 225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 3,903.89 | 382.85 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *229.70* | |
| 26 24 16 00-0380 | EA | 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 5,120.68 | 434.23 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *260.55* | |
| 26 24 16 00-0381 | EA | 400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 5,370.39 | 434.23 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *260.55* | |
| 26 24 16 00-0382 | EA | 400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 6,105.35 | 434.23 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *260.55* | |
| 26 24 16 00-0383 | EA | 600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 7,971.99 | 711.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *427.11* | |
| 26 24 16 00-0384 | EA | 600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 8,384.88 | 713.76 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *428.25* | |
| 26 24 16 00-0385 | EA | 600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 8,724.67 | 711.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *427.11* | |
| 26 24 16 00-0386 | EA | 800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 10,082.69 | 951.61 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *571.00* | |
| 26 24 16 00-0387 | EA | 800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 10,570.96 | 948.28 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *568.98* | |
| 26 24 16 00-0388 | EA | 800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard | 11,057.99 | 948.28 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *568.98* | |

## 26 24 16 00-0389 Residential Lighting And Power Panelboards *(26 24 16 00-0001)*

See CSI section 26 28 16 13-0001 for circuit breakers.

## 26 24 16 00-0390 Residential Type Unassembled Load Center *(26 24 16 00-0389)*

Note: Interior box and cover, includes ground bar kit.

## 26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0392 | EA | 30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard | 169.39 | 63.03 |
| 26 24 16 00-0393 | EA | 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard | 568.64 | 252.14 |
| 26 24 16 00-0394 | EA | 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard | 859.16 | 359.92 |
| 26 24 16 00-0395 | EA | 125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard | 1,836.29 | 756.53 |
| 26 24 16 00-0396 | EA | 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard | 2,008.08 | 819.44 |

## 26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0398 | EA | 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard | 235.66 | 69.34 |
| 26 24 16 00-0399 | EA | 125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard | 421.19 | 75.64 |

## 26 24 16 00-0400 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof *(26 24 16 00-0390)*

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0401 | EA | 40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard | 239.63 | 69.34 |
| 26 24 16 00-0402 | EA | 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard | 267.25 | 75.64 |
| 26 24 16 00-0403 | EA | 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard | 938.54 | 359.92 |
| 26 24 16 00-0404 | EA | 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard | 2,128.88 | 819.44 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 24 16 00-0405** | | **Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)*<br>Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof. | | |
| 26 24 16 00-0406 | EA | 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard | 296.06 | 69.34 |
| 26 24 16 00-0407 | EA | 125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard | 2,057.36 | 756.53 |
| **26 24 16 00-0408** | | **Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt** *(26 24 16 00-0390)* | | |
| 26 24 16 00-0409 | EA | 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard | 2,212.50 | 756.53 |
| 26 24 16 00-0410 | EA | 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard | 2,401.54 | 819.44 |
| 26 24 16 00-0411 | EA | 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard | 8,414.05 | 1,260.68 |
| **26 24 16 00-0412** | | **Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)*<br>Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta. | | |
| 26 24 16 00-0413 | EA | 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard | 3,214.81 | 756.53 |
| 26 24 16 00-0414 | EA | 150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard | 3,506.53 | 819.44 |
| 26 24 16 00-0415 | EA | 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard | 9,257.42 | 1,260.68 |
| **26 24 16 00-0416** | | **Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof** *(26 24 16 00-0390)* | | |
| 26 24 16 00-0417 | EA | 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard | 2,324.67 | 756.53 |
| 26 24 16 00-0418 | EA | 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard | 2,593.10 | 819.44 |
| **26 24 16 00-0419** | | **Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)*<br>Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof. | | |
| 26 24 16 00-0420 | EA | 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard | 3,400.84 | 756.53 |
| 26 24 16 00-0421 | EA | 155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard | 3,526.72 | 819.44 |
| **26 24 16 00-0422** | | **Residential Type Assembled Load Center** *(26 24 16 00-0389)* | | |
| **26 24 16 00-0423** | | **Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)*<br>Note: Includes 1 pole plug-in breaker. | | |
| 26 24 16 00-0424 | EA | 100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 859.67 | 359.92 |
| 26 24 16 00-0425 | EA | 100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,046.26 | 420.43 |
| 26 24 16 00-0426 | EA | 100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 878.66 | 359.92 |
| 26 24 16 00-0427 | EA | 100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,051.44 | 420.43 |
| 26 24 16 00-0428 | EA | 200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,524.62 | 560.37 |
| 26 24 16 00-0429 | EA | 200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,799.02 | 672.57 |
| 26 24 16 00-0430 | EA | 200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,057.43 | 775.95 |
| 26 24 16 00-0431 | EA | 200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,266.75 | 839.99 |
| 26 24 16 00-0432 | EA | 200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 3,392.85 | 1,260.68 |
| 26 24 16 00-0433 | EA | 200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,591.93 | 560.37 |
| 26 24 16 00-0434 | EA | 200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,862.87 | 672.57 |
| 26 24 16 00-0435 | EA | 200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,121.28 | 775.95 |
| 26 24 16 00-0436 | EA | 200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,327.15 | 839.99 |
| 26 24 16 00-0437 | EA | 200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 3,591.31 | 1,260.68 |
| 26 24 16 00-0438 | EA | 400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 4,173.45 | 1,400.74 |
| 26 24 16 00-0439 | EA | 400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 4,380.54 | 1,400.74 |
| **26 24 16 00-0440** | | **Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt** *(26 24 16 00-0422)*<br>Note: Includes 1 pole plug-in breaker. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0441 | EA | 125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,142.90 | 420.43 |
| 26 24 16 00-0442 | EA | 125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,704.19 | 630.34 |
| 26 24 16 00-0443 | EA | 125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,199.85 | 420.43 |
| 26 24 16 00-0444 | EA | 125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,755.97 | 630.34 |
| 26 24 16 00-0445 | EA | 200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,155.80 | 775.95 |
| 26 24 16 00-0446 | EA | 200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,353.94 | 840.50 |
| 26 24 16 00-0447 | EA | 200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,880.60 | 1,008.91 |
| 26 24 16 00-0448 | EA | 200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 3,461.88 | 1,260.68 |
| 26 24 16 00-0449 | EA | 200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,216.20 | 775.95 |
| 26 24 16 00-0450 | EA | 200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,422.07 | 839.99 |
| 26 24 16 00-0451 | EA | 200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 3,112.28 | 1,008.16 |
| 26 24 16 00-0452 | EA | 200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 3,694.85 | 1,260.68 |
| 26 24 16 00-0453 | EA | 400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 4,225.22 | 1,400.74 |
| 26 24 16 00-0454 | EA | 400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 4,432.31 | 1,400.74 |

### 26 24 16 00-0455 Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase *(26 24 16 00-0422)*

Note: Includes 1 pole plug-in breaker.

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0456 | EA | 125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,136.00 | 420.43 |
| 26 24 16 00-0457 | EA | 125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,680.03 | 630.34 |
| 26 24 16 00-0458 | EA | 200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,940.53 | 672.57 |
| 26 24 16 00-0459 | EA | 200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,225.60 | 776.32 |
| 26 24 16 00-0460 | EA | 200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,448.85 | 840.50 |
| 26 24 16 00-0461 | EA | 200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 3,242.52 | 1,120.74 |
| 26 24 16 00-0462 | EA | 200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 1,957.79 | 672.57 |
| 26 24 16 00-0463 | EA | 200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,259.34 | 775.95 |
| 26 24 16 00-0464 | EA | 200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,456.58 | 839.99 |
| 26 24 16 00-0465 | EA | 200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 3,147.60 | 1,120.74 |
| 26 24 16 00-0466 | EA | 400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 5,950.96 | 1,400.74 |
| 26 24 16 00-0467 | EA | 400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 6,296.11 | 1,400.74 |

### 26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt *(26 24 16 00-0422)*

Note: Includes 1 pole plug-in breaker.

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0469 | EA | 200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 2,932.06 | 840.50 |
| 26 24 16 00-0470 | EA | 200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 4,014.11 | 1,260.68 |
| 26 24 16 00-0471 | EA | 200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 3,034.70 | 839.99 |
| 26 24 16 00-0472 | EA | 200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers | 4,117.66 | 1,260.68 |

### 26 24 16 00-0473 Panel Mounted Accessories And Fuseholders *(26 24 16 00-0001)*

### 26 24 16 00-0474 Midget Finger-Safe Fuse Holders *(26 24 16 00-0473)*

Note: 30 Amp capacity. Excludes fuse.

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0475 | EA | 1 Pole Midget Finger-Safe Fuse Holder | 80.71 | 22.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 24 16 00-0476 | EA | 1 Pole With Indicator Midget Finger-Safe Fuse Holder | 95.05 | 22.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 24 16 00-0477 | EA | 2 Pole Midget Finger-Safe Fuse Holder | 130.17 | 34.04 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 24 16 00-0478 | EA | 2 Pole With Indicators Midget Finger-Safe Fuse Holder | 167.61 | 34.04 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 24 16 00-0479 | EA | 3 Pole Midget Finger-Safe Fuse Holder | 191.25 | 45.39 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 16 00-0480 | EA | 3 Pole With Indicators Midget Finger-Safe Fuse Holder | 240.97 | 45.39 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 24 16 00-0481 | EA | 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder<br>Note: With indicators. | 282.56 | 45.39 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 24 16 00-0482 | EA | 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder | 227.42 | 45.39 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 24 16 00-0483 | EA | 4 Pole Midget Finger-Safe Fuse Holder | 240.87 | 56.73 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 24 16 00-0484 | EA | 4 Pole With Indicator Midget Finger-Safe Fuse Holder | 295.47 | 56.73 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 24 16 00-0485 | EA | 12 To 24 Volt DC Midget Finger-Safe Fuse Holder<br>Note: With indicator. | 95.10 | 22.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 24 16 00-0486 | EA | 20 To 24 Volt DC Midget Finger-Safe Fuse Holder<br>Note: With indicator. | 102.71 | 22.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 24 16 00-0487 | EA | 35 To 48 Volt DC Midget Finger-Safe Fuse Holder<br>Note: With indicator. | 96.50 | 22.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |

### 26 24 16 00-0488 Removal And Reinstallation Of Panelboards *(26 24 16 00-0001)*

Note: Includes storage, cleaning and supply materials.

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0489 | EA | Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers<br>Note: Includes removal and reinstallation of main wiring to panelboard. | 1,582.80 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *472.75* | |
| 26 24 16 00-0490 | EA | Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage | 83.94 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *24.58* | |
| 26 24 16 00-0491 | EA | Panelboard Filler Plate, Fits 1" Opening | 5.94 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1.18* | |

### 26 24 16 00-0492 Combination Transformer/Panelboard *(26 24 16)*

### 26 24 16 00-0493 Mini Power-Zone™ Unit Substation *(26 24 16 00-0492)*

Note: 480 Volt Primary, 208 Star/120 Volt Secondary Voltage, NQ Paneboard Interior, Interrupt Rating 18 kAIR, Type NEMA 3R Enclosure, (2) 5 Percent Fcbn Taps; QOB360 Secondary Main Breaker Type; FAL34040 Primary Main Breaker Type

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0494 | EA | 15 KVA, 480 Volt Primary, 208Y120 Secondary, 3 Phase, NEMA 3R Enclosure, Mini Power-Zone™ Unit Substation (Square D MPZB15T2F)<br>Note: 24 single pole circuit capacity | 29,004.25 | 1,010.54 |
| 26 24 16 00-0495 | EA | 22.5 KVA, 480 Volt Primary, 208Y120 Secondary, 3 Phase, NEMA 3R Enclosure, Mini Power-Zone™ Unit Substation (Square D MPZB22T2F)<br>Note: 24 single pole circuit capacity | 35,625.99 | 1,129.02 |
| 26 24 16 00-0496 | EA | 30 KVA, 480 Volt Primary, 208Y120 Secondary, 3 Phase, NEMA 3R Enclosure, Mini Power-Zone™ Unit Substation (Square D MPZB30T2F)<br>Note: 24 single pole circuit capacity | 43,393.22 | 1,240.52 |

### 26 24 16 00-0497 Mini Power-Zone™ Unit Substation *(26 24 16 00-0492)*

Note: 480 Volt Primary, 208 Star/120 Volt Secondary Voltage, NQ Paneboard Interior, Interrupt Rating 25 kAIR, Type NEMA 3R Enclosure, (2) 5 Percent Fcbn Taps; QOB360 Secondary Main Breaker Type; FAL34040 Primary Main Breaker Type

| | | | | |
|---|---|---|---|---|
| 26 24 16 00-0498 | EA | 15 KVA, 480 Volt Primary, 208Y120 Secondary, 3 Phase, NEMA 3R Enclosure, Mini Power-Zone™ Unit Substation (Square D MPZB15T2F25K)<br>Note: 24 single pole circuit capacity | 36,609.73 | 1,010.54 |
| 26 24 16 00-0499 | EA | 22.5 KVA, 480 Volt Primary, 208Y120 Secondary, 3 Phase, NEMA 3R Enclosure, Mini Power-Zone™ Unit Substation (Square D MPZB22T2F25K)<br>Note: 24 single pole circuit capacity | 42,315.07 | 1,129.02 |
| 26 24 16 00-0500 | EA | 30 KVA, 480 Volt Primary, 208Y120 Secondary, 3 Phase, NEMA 3R Enclosure, Mini Power-Zone™ Unit Substation (Square D MPZB30T2F25K)<br>Note: 24 single pole circuit capacity | 48,240.91 | 1,240.52 |

## 26 24 19 Motor-Control Centers *(26 24)*

### 26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.

### 26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0003 | EA | 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit | 2,492.36 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0004 | EA | 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit | 2,951.07 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0005 | EA | 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit | 4,389.34 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0006 | EA | 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit | 7,953.82 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0007 | EA | 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit | 16,013.88 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0008 | EA | 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit | 26,939.78 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 24 19 00-0009** | | **480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed non-reversing. | | |
| 26 24 19 00-0010 | EA | 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit | 2,492.36 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0011 | EA | 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit | 2,951.07 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0012 | EA | 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit | 4,389.34 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0013 | EA | 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit | 7,953.82 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0014 | EA | 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit | 16,013.88 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0015 | EA | 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit | 26,939.78 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |
| **26 24 19 00-0016** | | **230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed reversing. | | |
| 26 24 19 00-0017 | EA | 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit | 3,609.16 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0018 | EA | 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit | 4,808.46 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0019 | EA | 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit | 6,890.31 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0020 | EA | 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit | 12,051.91 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0021 | EA | 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit | 23,715.55 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0022 | EA | 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit | 40,866.67 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |
| **26 24 19 00-0023** | | **480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed reversing. | | |
| 26 24 19 00-0024 | EA | 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit | 3,609.16 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0025 | EA | 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit | 4,808.46 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0026 | EA | 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit | 6,890.31 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0027 | EA | 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit | 12,051.91 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0028 | EA | 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit | 23,715.55 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0029 | EA | 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit | 40,866.67 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |
| **26 24 19 00-0030** | | **230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind. | | |
| 26 24 19 00-0031 | EA | 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit | 4,393.30 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0032 | EA | 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit | 6,039.50 | 195.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *117.48* | |
| 26 24 19 00-0033 | EA | 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit | 8,887.65 | 207.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *124.39* | |
| 26 24 19 00-0034 | EA | 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit | 15,875.57 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0035 | EA | 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit | 26,293.73 | 276.43 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *165.86* | |
| **26 24 19 00-0036** | | **480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind. | | |
| 26 24 19 00-0037 | EA | 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit | 4,393.30 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0038 | EA | 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit | 6,039.50 | 195.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *117.48* | |
| 26 24 19 00-0039 | EA | 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit | 8,887.65 | 207.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *124.39* | |
| 26 24 19 00-0040 | EA | 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit | 15,875.57 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0041 | EA | 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit | 26,293.73 | 276.43 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *165.86* | |
| **26 24 19 00-0042** | | **230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind. | | |
| 26 24 19 00-0043 | EA | 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit | 5,069.04 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0044 | EA | 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit | 7,541.31 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0045 | EA | 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit | 10,321.16 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0046 | EA | 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit | 19,384.47 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0047 | EA | 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit | 33,579.84 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| **26 24 19 00-0048** | | **480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* | | |
| | | Note: 2-Speed non-reversing, 1 wind. | | |
| 26 24 19 00-0049 | EA | 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit | 5,069.04 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0050 | EA | 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit | 7,541.31 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0051 | EA | 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit | 10,321.16 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0052 | EA | 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit | 19,384.47 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0053 | EA | 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit | 33,579.84 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| **26 24 19 00-0054** | | **230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* | | |
| | | Note: Reducing volt, auto-transformer. | | |
| 26 24 19 00-0055 | EA | 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit | 7,493.99 | 120.94 |
| 26 24 19 00-0056 | EA | 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit | 11,470.78 | 132.45 |
| 26 24 19 00-0057 | EA | 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit | 19,330.05 | 149.74 |
| 26 24 19 00-0058 | EA | 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit | 29,898.18 | 172.77 |
| 26 24 19 00-0059 | EA | 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit | 51,145.03 | 230.36 |
| **26 24 19 00-0060** | | **480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* | | |
| | | Note: Reducing volt, auto-transformer. | | |
| 26 24 19 00-0061 | EA | 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit | 7,493.99 | 120.94 |
| 26 24 19 00-0062 | EA | 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit | 11,470.78 | 132.45 |
| 26 24 19 00-0063 | EA | 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit | 19,330.05 | 149.74 |
| 26 24 19 00-0064 | EA | 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit | 29,898.18 | 172.77 |
| 26 24 19 00-0065 | EA | 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit | 51,145.03 | 230.36 |
| **26 24 19 00-0066** | | **230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* | | |
| | | Note: Reducing volt, part winding. | | |
| 26 24 19 00-0067 | EA | 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit | 5,124.43 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0068 | EA | 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit | 6,618.24 | 213.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *127.85* | |
| 26 24 19 00-0069 | EA | 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit | 11,628.41 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0070 | EA | 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit | 19,812.33 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0071 | EA | 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit | 27,216.24 | 368.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *221.15* | |
| **26 24 19 00-0072** | | **480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* | | |
| | | Note: Reducing volt, part winding. | | |
| 26 24 19 00-0073 | EA | 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit | 5,124.43 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0074 | EA | 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit | 6,618.24 | 213.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *127.85* | |
| 26 24 19 00-0075 | EA | 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit | 11,628.41 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0076 | EA | 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit | 19,812.33 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0077 | EA | 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit | 27,216.24 | 368.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *221.15* | |
| **26 24 19 00-0078** | | **230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* | | |
| | | Note: Reducing volt, energy saver. | | |
| 26 24 19 00-0079 | EA | 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit | 21,135.38 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0080 | EA | 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit | 22,423.02 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0081 | EA | 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit | 24,761.53 | 213.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *127.85* | |
| 26 24 19 00-0082 | EA | 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit | 37,485.20 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0083 | EA | 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit | 51,120.62 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0084 | EA | 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit | 69,373.12 | 368.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *221.15* | |

### 26 24 19 00-0085 480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, energy saver.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0086 | EA | 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit | 21,135.38 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0087 | EA | 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit | 22,423.02 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0088 | EA | 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit | 24,761.53 | 213.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *127.85* | |
| 26 24 19 00-0089 | EA | 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit | 37,485.20 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0090 | EA | 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit | 51,120.62 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0091 | EA | 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit | 69,373.12 | 368.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *221.15* | |

### 26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.

### 26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0094 | EA | 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit | 3,332.32 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0095 | EA | 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit | 3,791.04 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0096 | EA | 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit | 5,858.69 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0097 | EA | 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit | 10,790.78 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0098 | EA | 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit | 19,312.23 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0099 | EA | 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit | 31,475.60 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |

### 26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0101 | EA | 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit | 3,332.32 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0102 | EA | 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit | 3,791.04 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0103 | EA | 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit | 5,858.69 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0104 | EA | 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit | 10,790.78 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0105 | EA | 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit | 19,312.23 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0106 | EA | 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit | 31,475.60 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |

### 26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0108 | EA | 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit | 4,442.03 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0109 | EA | 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit | 5,631.87 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0110 | EA | 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit | 8,326.54 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0111 | EA | 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit | 14,851.01 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0112 | EA | 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit | 26,947.65 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |

### 26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0114 | EA | 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit | 4,442.03 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0115 | EA | 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit | 5,631.87 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0116 | EA | 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit | 8,326.54 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0117 | EA | 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit | 14,851.01 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0118 | EA | 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit | 26,947.65 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |

### 26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 2 wind.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0120 | EA | 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit | 5,211.98 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0121 | EA | 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit | 6,846.34 | 195.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *117.48* | |
| 26 24 19 00-0122 | EA | 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit | 10,300.21 | 207.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *124.39* | |
| 26 24 19 00-0123 | EA | 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit | 18,641.54 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0124 | EA | 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit | 29,499.80 | 276.43 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *165.86* | |

### 26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 2 wind.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0126 | EA | 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit | 5,211.98 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0127 | EA | 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit | 6,846.34 | 195.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *117.48* | |
| 26 24 19 00-0128 | EA | 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit | 10,300.21 | 207.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *124.39* | |
| 26 24 19 00-0129 | EA | 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit | 18,641.54 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0130 | EA | 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit | 29,499.80 | 276.43 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *165.86* | |

### 26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0132 | EA | 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit | 6,002.90 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0133 | EA | 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit | 8,460.64 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0134 | EA | 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit | 11,864.85 | 195.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *117.48* | |
| 26 24 19 00-0135 | EA | 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit | 22,267.04 | 224.60 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *134.76* | |
| 26 24 19 00-0136 | EA | 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit | 36,906.32 | 264.92 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *158.95* | |

### 26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0138 | EA | 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit | 6,002.90 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0139 | EA | 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit | 8,460.64 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0140 | EA | 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit | 11,864.85 | 195.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *117.48* | |
| 26 24 19 00-0141 | EA | 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit | 22,267.04 | 224.60 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *134.76* | |
| 26 24 19 00-0142 | EA | 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit | 36,906.32 | 264.92 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *158.95* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*
Note: Reduced volt, auto-transformer.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0144 | EA | 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit | 8,289.00 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0145 | EA | 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit | 13,344.73 | 132.45 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *79.47* | |
| 26 24 19 00-0146 | EA | 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit | 22,550.31 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0147 | EA | 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit | 34,159.53 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0148 | EA | 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit | 56,201.39 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |

### 26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*
Note: Reduced volt, auto-transformer.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0150 | EA | 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit | 8,289.00 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0151 | EA | 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit | 13,344.73 | 132.45 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *79.47* | |
| 26 24 19 00-0152 | EA | 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit | 22,550.31 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0153 | EA | 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit | 34,159.53 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0154 | EA | 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit | 56,201.39 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |

### 26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*
Note: Reduced volt, part winding.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0156 | EA | 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit | 5,943.10 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0157 | EA | 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit | 7,420.35 | 213.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *127.85* | |
| 26 24 19 00-0158 | EA | 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit | 13,031.51 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0159 | EA | 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit | 23,072.82 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0160 | EA | 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit | 34,035.35 | 368.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *221.15* | |

### 26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*
Note: Reduced volt, part winding.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0162 | EA | 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit | 5,943.10 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0163 | EA | 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit | 7,420.35 | 213.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *127.85* | |
| 26 24 19 00-0164 | EA | 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit | 13,031.51 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0165 | EA | 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit | 23,072.82 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0166 | EA | 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit | 34,035.35 | 368.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *221.15* | |

### 26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*
Note: Reduced volt, energy saving

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0168 | EA | 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit | 21,814.45 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0169 | EA | 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit | 23,094.99 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0170 | EA | 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit | 25,409.84 | 213.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *127.85* | |
| 26 24 19 00-0171 | EA | 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit | 38,022.30 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0172 | EA | 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit | 51,537.05 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0173 | EA | 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit | 72,229.01 | 368.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *221.15* | |

### 26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*
Note: Reduced volt, energy saving

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0175 | EA | 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit | 21,814.50 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.86* | |
| 26 24 19 00-0176 | EA | 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit | 23,094.99 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0177 | EA | 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit | 25,409.84 | 213.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *127.85* | |
| 26 24 19 00-0178 | EA | 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit | 38,022.30 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0179 | EA | 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit | 51,537.05 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0180 | EA | 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit | 72,229.01 | 368.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *221.15* | |

## 26 24 19 00-0181 Combination Starters With Fusible Switch *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.

## 26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0183 | EA | 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing | 2,217.89 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0184 | EA | 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing | 3,057.54 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0185 | EA | 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing | 5,151.23 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0186 | EA | 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing | 9,082.45 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0187 | EA | 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing | 14,740.92 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0188 | EA | 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing | 26,289.10 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |

## 26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0190 | EA | 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing | 2,217.89 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0191 | EA | 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing | 3,057.54 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0192 | EA | 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing | 5,151.23 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0193 | EA | 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing | 9,082.45 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0194 | EA | 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing | 14,740.92 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0195 | EA | 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing | 26,289.10 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |

## 26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0197 | EA | 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing | 3,578.40 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0198 | EA | 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing | 5,329.00 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0199 | EA | 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing | 8,522.92 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0200 | EA | 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing | 13,888.01 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0201 | EA | 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing | 21,363.64 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0202 | EA | 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing | 36,311.92 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |

## 26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0204 | EA | 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing | 3,578.40 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0205 | EA | 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing | 5,329.00 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0206 | EA | 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing | 8,522.92 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0207 | EA | 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing | 13,888.01 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0208 | EA | 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing | 21,363.64 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0209 | EA | 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing | 36,311.92 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |
| **26 24 19 00-0210** | | **230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* | | |
| | | Note: 2-Speed non-reversing, 2 wind. | | |
| 26 24 19 00-0211 | EA | 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter | 4,194.55 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0212 | EA | 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter | 5,765.03 | 195.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *117.48* | |
| 26 24 19 00-0213 | EA | 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter | 9,065.11 | 207.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *124.39* | |
| 26 24 19 00-0214 | EA | 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter | 16,183.16 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0215 | EA | 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter | 25,775.55 | 276.43 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *165.86* | |
| **26 24 19 00-0216** | | **480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* | | |
| | | Note: 2-Speed non-reversing, 2 wind. | | |
| 26 24 19 00-0217 | EA | 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter | 4,194.55 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0218 | EA | 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter | 5,765.03 | 195.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *117.48* | |
| 26 24 19 00-0219 | EA | 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter | 9,065.11 | 207.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *124.39* | |
| 26 24 19 00-0220 | EA | 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter | 16,183.16 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0221 | EA | 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter | 25,775.55 | 276.43 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *165.86* | |
| **26 24 19 00-0222** | | **230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* | | |
| | | Note: 2-Speed non-reversing, 1 wind. | | |
| 26 24 19 00-0223 | EA | 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter | 4,780.38 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0224 | EA | 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter | 7,285.77 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0225 | EA | 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter | 10,486.79 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0226 | EA | 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter | 21,130.65 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| **26 24 19 00-0227** | | **480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* | | |
| | | Note: 2-Speed non-reversing, 1 wind. | | |
| 26 24 19 00-0228 | EA | 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter | 4,780.38 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0229 | EA | 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter | 7,285.77 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0230 | EA | 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter | 10,486.79 | 126.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *76.02* | |
| 26 24 19 00-0231 | EA | 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter | 21,130.65 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| **26 24 19 00-0232** | | **230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* | | |
| | | Note: Auto-transformer. | | |
| 26 24 19 00-0233 | EA | 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer | 7,236.08 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0234 | EA | 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer | 12,769.77 | 132.45 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *79.47* | |
| 26 24 19 00-0235 | EA | 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer | 21,270.25 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0236 | EA | 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer | 28,398.07 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0237 | EA | 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer | 47,704.71 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |
| **26 24 19 00-0238** | | **480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* | | |
| | | Note: Auto-transformer. | | |
| 26 24 19 00-0239 | EA | 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer | 7,236.08 | 120.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *72.56* | |
| 26 24 19 00-0240 | EA | 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer | 12,769.77 | 132.45 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *79.47* | |
| 26 24 19 00-0241 | EA | 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer | 21,270.25 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0242 | EA | 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer | 28,398.07 | 172.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *103.66* | |
| 26 24 19 00-0243 | EA | 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer | 47,704.71 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 24 19 00-0244** | | **230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*<br>Note: Part winding. | | |
| 26 24 19 00-0245 | EA | 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters | 5,155.19 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0246 | EA | 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters | 6,821.73 | 213.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *127.85* | |
| 26 24 19 00-0247 | EA | 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters | 10,852.33 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0248 | EA | 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters | 21,617.66 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| **26 24 19 00-0249** | | **480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*<br>Note: Part winding. | | |
| 26 24 19 00-0250 | EA | 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters | 5,155.19 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0251 | EA | 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters | 6,821.73 | 213.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *127.85* | |
| 26 24 19 00-0252 | EA | 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters | 10,852.33 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0253 | EA | 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters | 21,617.66 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| **26 24 19 00-0254** | | **230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*<br>Note: Energy saver. | | |
| 26 24 19 00-0255 | EA | 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP | 21,133.02 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0256 | EA | 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP | 22,423.02 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0257 | EA | 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP | 24,761.53 | 213.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *127.85* | |
| 26 24 19 00-0258 | EA | 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP | 37,485.20 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0259 | EA | 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP | 51,120.62 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0260 | EA | 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP | 69,373.12 | 368.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *221.15* | |
| **26 24 19 00-0261** | | **480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*<br>Note: Energy saver. | | |
| 26 24 19 00-0262 | EA | 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP | 21,133.02 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.84* | |
| 26 24 19 00-0263 | EA | 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP | 22,423.02 | 184.29 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *110.57* | |
| 26 24 19 00-0264 | EA | 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP | 24,761.53 | 213.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *127.85* | |
| 26 24 19 00-0265 | EA | 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP | 37,485.20 | 236.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.67* | |
| 26 24 19 00-0266 | EA | 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP | 51,120.62 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0267 | EA | 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP | 69,373.12 | 368.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *221.15* | |
| **26 24 19 00-0268** | | **Starter Accessories** *(26 24 19)*<br>Note: Additional options or accessories for the Combination Starters | | |
| **26 24 19 00-0269** | | **Starter Modifications** *(26 24 19 00-0268)* | | |
| 26 24 19 00-0270 | EA | Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer | 194.20 | |
| 26 24 19 00-0271 | EA | Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer | 369.11 | |
| 26 24 19 00-0272 | EA | Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer | 527.64 | |
| 26 24 19 00-0273 | EA | Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes | 132.50 | |
| 26 24 19 00-0274 | EA | Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes | 186.92 | |
| 26 24 19 00-0275 | EA | Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes | 314.69 | |
| 26 24 19 00-0276 | EA | Overload Relay Heater Elements, 3 Per Starter | 78.08 | |
| 26 24 19 00-0277 | EA | N.O. Overload Relay Alarm | 66.25 | |
| 26 24 19 00-0278 | EA | Control Circuit Fuses, Primary/Secondary | 131.54 | |
| 26 24 19 00-0279 | EA | Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton | 162.63 | |
| 26 24 19 00-0280 | EA | Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton | 318.09 | |
| 26 24 19 00-0281 | EA | Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select | 162.63 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0282 | EA | Control Devices Type PB2 Mount On Device, Individual Light Full V | 186.55 | |
| 26 24 19 00-0283 | EA | Control Devices Type PB2 Mount On Device, Individual Light Transformer | 224.82 | |
| 26 24 19 00-0284 | EA | Control Devices Type PB2 Mount On Device, Individual Light Push To | 265.48 | |
| 26 24 19 00-0285 | EA | Blank Devices Panel | 50.23 | |
| 26 24 19 00-0286 | EA | Oversize Or Special Color Starter | 78.93 | |
| 26 24 19 00-0287 | EA | Mini Voltmeter/Ammeter With Current Transformer | 692.26 | |
| 26 24 19 00-0288 | EA | Mini Elapsed Time Meters, Non-Resettable | 627.69 | |
| 26 24 19 00-0289 | EA | Panel Elapsed Time Meter, Resettable | 932.76 | |
| 26 24 19 00-0290 | EA | Terminal Blocks, Side Mounted, Press Connection, Plug-In Press | 78.93 | |
| 26 24 19 00-0291 | EA | Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw | 112.41 | |
| 26 24 19 00-0292 | EA | Terminal Blocks, Front Mounted, Press Connection, Standard | 78.93 | |
| 26 24 19 00-0293 | EA | Terminal Blocks, Front Mounted, Press Connection, Plug-In | 112.41 | |
| 26 24 19 00-0294 | EA | Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility | 112.41 | |
| 26 24 19 00-0295 | EA | Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type | 162.63 | |
| 26 24 19 00-0296 | EA | MOR - A Solid State Modular Overload Relay | 404.19 | |
| 26 24 19 00-0297 | EA | Heater Module | 82.16 | |
| 26 24 19 00-0298 | EA | LAM - Long Acceleration Module | 510.40 | |
| 26 24 19 00-0299 | EA | JAM - Jam Protection Module | 585.09 | |
| 26 24 19 00-0300 | EA | PUM - Phase Unbalance Module | 1,110.43 | |
| 26 24 19 00-0301 | EA | ULM - Underload Module | 532.81 | |
| 26 24 19 00-0302 | EA | Wiring To Common Control Circuit Transformer | 117.02 | |
| 26 24 19 00-0303 | EA | Handle Operator Separable Source Control Circuit | 219.10 | |
| 26 24 19 00-0304 | EA | Type SIS Control Wire | 92.12 | |
| 26 24 19 00-0305 | EA | Ring Or Spade Terminals Control | 117.02 | |
| 26 24 19 00-0306 | EA | Ring Terminals Power | 117.02 | |
| 26 24 19 00-0307 | EA | 14 Gauge Control Wire | 92.12 | |
| 26 24 19 00-0308 | EA | Wiremakers | 117.02 | |
| 26 24 19 00-0309 | EA | Wiring Diagram On Door | 69.71 | |
| 26 24 19 00-0310 | EA | Special Color Or Type Control Wire | 84.65 | |
| 26 24 19 00-0311 | EA | Current Transformer 12.5 VA | 664.76 | |
| 26 24 19 00-0312 | EA | Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4 | 2,123.76 | |
| 26 24 19 00-0313 | EA | Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6 | 2,390.16 | |

## 26 24 19 00-0314 Control Relays And Special Components *(26 24 19 00-0268)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0315 | EA | 600 Volt, 2 Pole, Control Relays | 602.12 | |
| 26 24 19 00-0316 | EA | 600 Volt, 4 Pole, Control Relays | 710.97 | |
| 26 24 19 00-0317 | EA | 600 Volt, 6 Pole, Control Relays | 831.34 | |
| 26 24 19 00-0318 | EA | 600 Volt, 8 Pole, Control Relays | 924.60 | |
| 26 24 19 00-0319 | EA | Pneumatic Timer, Control Relays | 801.61 | |
| 26 24 19 00-0320 | EA | Motor Driven Timer, Control Relays | 2,088.88 | |
| 26 24 19 00-0321 | EA | 7 Days Time Switch, Control Relays | 2,629.14 | |
| 26 24 19 00-0322 | EA | 24 Hour Time Switch, Control Relays | 737.25 | |
| 26 24 19 00-0323 | EA | Phase Voltage, Control Relays | 1,254.11 | |
| 26 24 19 00-0324 | EA | Two Circuit Alternator, Control Relays | 1,755.36 | |
| 26 24 19 00-0325 | EA | Manual 120 Volt, Control Relays | 171.64 | |
| 26 24 19 00-0326 | EA | Over-Current Relay, Control Relays | 4,750.45 | |
| 26 24 19 00-0327 | EA | UV-Relay, Control Relays | 4,023.44 | |
| 26 24 19 00-0328 | EA | Over-Current Relay, Control Relays | 4,023.44 | |
| 26 24 19 00-0329 | EA | Teleductor, Control Relays | 1,293.11 | |
| 26 24 19 00-0330 | EA | Current Transducer, Control Relays | 3,477.56 | |
| 26 24 19 00-0331 | EA | Watt Transducer, Control Relays | 6,955.12 | |
| 26 24 19 00-0332 | EA | Control Relays, Blank, Add For Each 1x | 236.00 | |
| 26 24 19 00-0333 | EA | Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway | 353.02 | |
| 26 24 19 00-0334 | EA | Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway | 397.88 | |
| 26 24 19 00-0335 | EA | Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway | 442.74 | |
| 26 24 19 00-0336 | EA | Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway | 397.88 | |
| 26 24 19 00-0337 | EA | Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway | 442.74 | |
| 26 24 19 00-0338 | EA | Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway | 466.15 | |

## 26 24 19 00-0339 Circuit Breaker Modifications/Accessories *(26 24 19 00-0268)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0340 | EA | Shunt Trip, Circuit Breaker | 482.15 | |
| 26 24 19 00-0341 | EA | Auxiliary Switch, Circuit Breaker | 166.54 | |
| 26 24 19 00-0342 | EA | Key Interlock, Circuit Breaker | 598.99 | |
| 26 24 19 00-0343 | EA | GFR Ground Fault, Circuit Breaker | 2,761.27 | |
| 26 24 19 00-0344 | EA | Seltronic Breaker, Circuit Breaker | 1,599.55 | |

## 26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers *(26 24 19 00-0268)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0346 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100 | 1,685.18 | 74.86 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *44.92* | |
| 26 24 19 00-0347 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150 | 2,921.00 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0348 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100 | 2,821.23 | 74.86 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *44.92* | |
| 26 24 19 00-0349 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150 | 4,054.66 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0350 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150 | 5,212.23 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0351 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250 | 3,210.19 | 149.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *89.86* | |
| 26 24 19 00-0352 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400 | 5,218.33 | 161.25 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *96.77* | |
| 26 24 19 00-0353 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600 | 6,883.97 | 207.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *124.34* | |
| 26 24 19 00-0354 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800 | 8,088.56 | 316.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *190.11* | |
| 26 24 19 00-0355 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200 | 11,451.45 | 478.00 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *287.03* | |
| 26 24 19 00-0356 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000 | 25,156.39 | 633.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *379.77* | |
| 26 24 19 00-0357 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 | 37,609.09 | 794.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *476.39* | |
| 26 24 19 00-0358 | EA | Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 | 62,796.44 | 921.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *553.34* | |
| 26 24 19 00-0359 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 | 2,027.19 | 74.86 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *44.92* | |
| 26 24 19 00-0360 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150 | 3,253.44 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0361 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 | 2,027.19 | 74.86 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *44.92* | |
| 26 24 19 00-0362 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50 | 3,253.44 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0363 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150 | 3,455.02 | 74.86 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *44.92* | |
| 26 24 19 00-0364 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150 | 4,729.11 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0365 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 | 5,872.33 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0366 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100 | 3,088.42 | 115.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0367 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 | 7,820.69 | 316.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *190.11* | |
| 26 24 19 00-0368 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 | 7,820.69 | 316.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *190.11* | |
| 26 24 19 00-0369 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 | 10,544.51 | 345.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *207.23* | |
| 26 24 19 00-0370 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 | 13,170.90 | 403.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *241.77* | |
| 26 24 19 00-0371 | EA | Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 | 15,153.77 | 478.00 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *287.03* | |

## 26 24 19 00-0372 Incoming Line And Feeder Fusible Switches *(26 24 19 00-0268)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0373 | EA | 30 To 60 Amperes, Incoming Line And Feeder Fusible Switches | 1,988.13 | 115.18 |
| 26 24 19 00-0374 | EA | Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual | 3,081.13 | 115.18 |
| 26 24 19 00-0375 | EA | 100 Amperes, Incoming Line And Feeder Fusible Switches | 2,914.02 | 143.97 |
| 26 24 19 00-0376 | EA | 200 Amperes, Incoming Line And Feeder Fusible Switches | 4,743.91 | 172.77 |
| 26 24 19 00-0377 | EA | 400 Amperes, Incoming Line And Feeder Fusible Switches | 9,361.16 | 218.84 |
| 26 24 19 00-0378 | EA | 600 Amperes, Incoming Line And Feeder Fusible Switches | 13,132.23 | 287.95 |
| 26 24 19 00-0379 | EA | 800 Amperes, Incoming Line And Feeder Fusible Switches | 31,965.86 | 385.85 |
| 26 24 19 00-0380 | EA | 1,200 Amperes, Incoming Line And Feeder Fusible Switches | 36,056.84 | 535.59 |

## 26 24 19 00-0381 Dry Type Distribution Transformers *(26 24 19 00-0268)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0382 | EA | 500 VA, Phase 1, Dry Type Distribution Transformers | 1,631.13 | |
| 26 24 19 00-0383 | EA | 750 VA, Phase 1, Dry Type Distribution Transformers | 1,683.74 | |
| 26 24 19 00-0384 | EA | 1,000 VA, Phase 1, Dry Type Distribution Transformers | 1,738.75 | |
| 26 24 19 00-0385 | EA | 1,500 VA, Phase 1, Dry Type Distribution Transformers | 1,994.66 | |
| 26 24 19 00-0386 | EA | 2,000 VA, Phase 1, Dry Type Distribution Transformers | 2,162.08 | |
| 26 24 19 00-0387 | EA | 3,000 VA, Phase 1, Dry Type Distribution Transformers | 2,671.50 | |
| 26 24 19 00-0388 | EA | 5,000 VA, Phase 1, Dry Type Distribution Transformers | 2,941.77 | |
| 26 24 19 00-0389 | EA | 7,500 VA, Phase 1, Dry Type Distribution Transformers | 3,314.87 | |
| 26 24 19 00-0390 | EA | 9,000 VA, Phase 3, Dry Type Distribution Transformers | 7,706.00 | |
| 26 24 19 00-0391 | EA | 10,000 VA, Phase 1, Dry Type Distribution Transformers | 4,089.77 | |
| 26 24 19 00-0392 | EA | 15,000 VA, Phase 1, Dry Type Distribution Transformers | 5,665.89 | |
| 26 24 19 00-0393 | EA | 15,000 VA, Phase 3, Dry Type Distribution Transformers | 8,830.09 | |
| 26 24 19 00-0394 | EA | 20,000 VA, Phase 1, Dry Type Distribution Transformers | 8,177.16 | |
| 26 24 19 00-0395 | EA | 30,000 VA, Phase 1, Dry Type Distribution Transformers | 11,331.78 | |
| 26 24 19 00-0396 | EA | 30,000 VA, Phase 3, Dry Type Distribution Transformers | 12,772.43 | |
| 26 24 19 00-0397 | EA | 45,000 VA, Phase 1, Dry Type Distribution Transformers | 17,692.19 | |

## 26 24 19 00-0398 Metering Equipment *(26 24 19 00-0268)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0399 | EA | Metering Equipment, Voltmeter, Panel Type | 770.12 | |
| 26 24 19 00-0400 | EA | Metering Equipment, Voltmeter, Switchboard Type | 1,683.74 | |
| 26 24 19 00-0401 | EA | Metering Equipment, Ammeter, Panel | 693.59 | |
| 26 24 19 00-0402 | EA | Metering Equipment, Ammeter, Switchboard Type | 1,683.74 | |
| 26 24 19 00-0403 | EA | Metering Equipment, Voltmeter/Ammeter, Switch | 935.15 | |
| 26 24 19 00-0404 | EA | Metering Equipment, Control Switch, 4 Circuits | 992.55 | |
| 26 24 19 00-0405 | EA | Add For Additional Circuits | 136.94 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0406 | EA | Metering Equipment, Indicating Wattmeter | 3,472.72 | |
| 26 24 19 00-0407 | EA | Metering Equipment, Indicating Power Factor | 3,637.75 | |
| 26 24 19 00-0408 | EA | Metering Equipment, Integrating Watt-hour | 3,207.24 | |
| 26 24 19 00-0409 | EA | Add For Demand Attachment | 896.31 | |
| 26 24 19 00-0410 | EA | 800 Amperes, Metering Equipment, Current Transformer | 959.06 | |
| 26 24 19 00-0411 | EA | 1,000 Amperes, Metering Equipment, Current Transformer | 1,655.04 | |
| 26 24 19 00-0412 | EA | 2,000 Amperes, Metering Equipment, Current Transformer | 1,927.70 | |
| 26 24 19 00-0413 | EA | Metering Equipment, Potential Transformer | 1,607.21 | |
| 26 24 19 00-0414 | EA | Metering Equipment, Surge Arrester | 1,729.19 | |
| 26 24 19 00-0415 | EA | Metering Equipment, Ground Detector System | 1,322.60 | |
| **26 24 19 00-0416** | | **Current Limiting Reactors** *(26 24 19 00-0268)* | | |
| 26 24 19 00-0417 | EA | 600 Amperes, Current Limiting Reactors | 29,520.52 | |
| 26 24 19 00-0418 | EA | 800 Amperes, Current Limiting Reactors | 42,990.46 | |
| 26 24 19 00-0419 | EA | 1,000 Amperes, Current Limiting Reactors | 56,491.50 | |
| 26 24 19 00-0420 | EA | 1,200 Amperes, Current Limiting Reactors | 85,990.50 | |
| **26 24 19 00-0421** | | **Incoming Line Cable Space Requirements, Main Lugs Only** *(26 24 19 00-0268)* | | |
| 26 24 19 00-0422 | EA | Incoming Line Cable Space Requirement, 350 MCC, 2 Screw | 513.44 | |
| 26 24 19 00-0423 | EA | Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp | 513.44 | |
| 26 24 19 00-0424 | EA | Incoming Line Cable Space Requirement, 350 MCC, 4 Screw | 709.83 | |
| 26 24 19 00-0425 | EA | Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp | 1,298.99 | |
| 26 24 19 00-0426 | EA | Incoming Line Cable Space Requirement, 600 MCC, 2 Screw | 709.83 | |
| 26 24 19 00-0427 | EA | Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp | 906.22 | |
| 26 24 19 00-0428 | EA | Incoming Line Cable Space Requirement, 600 MCC, 4 Screw | 906.22 | |
| 26 24 19 00-0429 | EA | Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp | 1,296.63 | |
| 26 24 19 00-0430 | EA | Incoming Line Cable Space Requirement, 750 MCC, 2 Screw | 906.22 | |
| 26 24 19 00-0431 | EA | Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp | 1,296.63 | |
| 26 24 19 00-0432 | EA | Incoming Line Cable Space Requirement, 750 MCC, 4 Screw | 1,102.60 | |
| 26 24 19 00-0433 | EA | Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp | 3,575.18 | |
| 26 24 19 00-0434 | EA | Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw | 1,102.60 | |
| 26 24 19 00-0435 | EA | Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp | 1,296.63 | |
| 26 24 19 00-0436 | EA | Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw | 3,575.18 | |
| 26 24 19 00-0437 | EA | Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp | 3,575.18 | |
| 26 24 19 00-0438 | EA | Bus Duct Transition Pull Box | 1,166.96 | |
| 26 24 19 00-0439 | EA | Throat And Transition To Substation | 2,252.80 | |
| 26 24 19 00-0440 | EA | Service Entrance Label | 487.87 | |
| 26 24 19 00-0441 | EA | Type W To 5 Star - 10" Transition | 1,019.78 | |
| 26 24 19 00-0442 | EA | 600 Amperes, Sub Feed Lugs On Main Bus | 595.05 | |
| **26 24 19 00-0443** | | **Standard Structures And Structure Options/Modifications** *(26 24 19 00-0268)* | | |
| 26 24 19 00-0444 | EA | Standard Structure Add For Each Additional 4" Of Structure Width | 322.16 | |
| 26 24 19 00-0445 | EA | Standard Structure Add For 8" Vertical Wireway In Lieu Of 4" | 322.16 | |
| 26 24 19 00-0446 | EA | Standard Structure Single Corner Section "L", 16" Depth | 996.61 | |
| 26 24 19 00-0447 | EA | Standard Structure Single Corner Section "L", 21" Depth | 1,124.08 | |
| 26 24 19 00-0448 | EA | Standard Structure Unused Space/Future Space | 96.18 | |
| 26 24 19 00-0449 | EA | Standard Structure NEMA 12 Dustproof | 259.58 | |
| 26 24 19 00-0450 | EA | Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure | 54.47 | |
| 26 24 19 00-0451 | EA | Standard Structure 150 Watt Space | 234.09 | |
| 26 24 19 00-0452 | EA | Standard Structure Thermostat For Space Heater Control | 724.52 | |
| 26 24 19 00-0453 | EA | Standard Structure Rear Hinged Structure Door, 72" High | 234.09 | |
| 26 24 19 00-0454 | EA | Standard Structure NEMA 2 Drip Shield On Top Of MCC | 468.07 | |
| 26 24 19 00-0455 | EA | Standard Structure NEMA 3R N-Walk In Front Mounted | 6,677.52 | |
| 26 24 19 00-0456 | EA | Standard Structure NEMA 3R N-Walk In Back-to-back | 7,718.23 | |
| 26 24 19 00-0457 | EA | Standard Structure NEMA 3R Walk-In Aisle Front Mounted | 7,725.70 | |
| **26 24 19 00-0458** | | **Installation Hours For Vertical Sections** *(26 24 19 00-0268)* | | |
| 26 24 19 00-0459 | EA | Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes | 691.05 | 345.53 |
| 26 24 19 00-0460 | EA | Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes | 1,036.57 | 518.31 |
| 26 24 19 00-0461 | EA | Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes | 1,151.79 | 575.90 |
| 26 24 19 00-0462 | EA | Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes | 1,382.28 | 691.08 |
| 26 24 19 00-0463 | EA | Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes | 115.18 | 57.59 |
| 26 24 19 00-0464 | EA | Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes | 691.05 | 345.53 |
| 26 24 19 00-0465 | EA | Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes | 1,036.57 | 518.31 |
| 26 24 19 00-0466 | EA | Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes | 1,151.79 | 575.90 |
| 26 24 19 00-0467 | EA | Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes | 1,382.28 | 691.08 |
| 26 24 19 00-0468 | EA | Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes | 115.18 | 57.59 |
| 26 24 19 00-0469 | EA | Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes | 806.28 | 403.12 |
| 26 24 19 00-0470 | EA | Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes | 1,036.57 | 518.31 |
| 26 24 19 00-0471 | EA | Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes | 1,382.28 | 691.08 |
| 26 24 19 00-0472 | EA | Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes | 1,612.31 | 806.14 |
| 26 24 19 00-0473 | EA | Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes | 172.77 | 86.38 |
| 26 24 19 00-0474 | EA | Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes | 921.44 | 460.71 |
| 26 24 19 00-0475 | EA | Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes | 1,267.08 | 633.49 |
| 26 24 19 00-0476 | EA | Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes | 1,612.31 | 806.14 |
| 26 24 19 00-0477 | EA | Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes | 1,842.56 | 921.32 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0478 | EA | Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes | 230.36 | 115.18 |
| 26 24 19 00-0479 | EA | Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes | 921.44 | 460.71 |
| 26 24 19 00-0480 | EA | Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes | 1,382.28 | 691.08 |
| 26 24 19 00-0481 | EA | Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes | 1,727.51 | 863.73 |
| 26 24 19 00-0482 | EA | Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes | 1,958.18 | 979.14 |
| 26 24 19 00-0483 | EA | Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes | 230.36 | 115.18 |
| 26 24 19 00-0484 | | Motor Control Centers *(26 24 19)* | | |
| 26 24 19 00-0485 | | 2.4 KV Motor Control Centers *(26 24 19 00-0484)* | | |
| 26 24 19 00-0486 | EA | 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp | 17,989.68 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |
| 26 24 19 00-0487 | EA | 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp | 17,989.68 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |
| 26 24 19 00-0488 | EA | 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp | 17,989.68 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |
| 26 24 19 00-0489 | EA | 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp | 18,047.31 | 259.15 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *155.50* | |
| 26 24 19 00-0490 | EA | 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp | 19,166.26 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0491 | EA | 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp | 19,223.83 | 316.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *190.04* | |
| 26 24 19 00-0492 | EA | 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp | 19,281.41 | 345.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *207.32* | |
| 26 24 19 00-0493 | EA | 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp | 19,396.64 | 403.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *241.88* | |
| 26 24 19 00-0494 | EA | 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp | 19,511.80 | 460.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *276.43* | |
| 26 24 19 00-0495 | EA | 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp | 32,856.75 | 518.31 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *310.97* | |
| 26 24 19 00-0496 | EA | 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp | 35,266.28 | 575.90 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *345.54* | |
| 26 24 19 00-0497 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp | 26,690.92 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |
| 26 24 19 00-0498 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp | 27,806.17 | 247.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *148.58* | |
| 26 24 19 00-0499 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp | 31,589.60 | 270.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *162.40* | |
| 26 24 19 00-0500 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp | 35,162.12 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0501 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp | 38,256.20 | 334.02 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *200.42* | |
| 26 24 19 00-0502 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp | 41,915.25 | 357.05 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *214.24* | |
| 26 24 19 00-0503 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp | 45,572.14 | 380.09 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *228.05* | |
| 26 24 19 00-0504 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp | 49,910.45 | 414.64 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *248.80* | |
| 26 24 19 00-0505 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp | 58,079.83 | 460.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *276.43* | |
| 26 24 19 00-0506 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp | 62,925.52 | 489.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *293.73* | |
| 26 24 19 00-0507 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp | 96,097.72 | 575.90 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *345.54* | |
| 26 24 19 00-0508 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp | 102,388.35 | 633.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *380.12* | |
| 26 24 19 00-0509 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp | 107,864.09 | 691.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *414.68* | |
| 26 24 19 00-0510 | EA | 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp | 117,452.55 | 748.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *449.28* | |
| 26 24 19 00-0511 | EA | 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp | 25,183.53 | 230.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *138.21* | |
| 26 24 19 00-0512 | EA | 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp | 25,241.16 | 259.15 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *155.50* | |
| 26 24 19 00-0513 | EA | 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp | 25,298.72 | 287.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *172.77* | |
| 26 24 19 00-0514 | EA | 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp | 25,356.29 | 316.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *190.04* | |
| 26 24 19 00-0515 | EA | 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp | 25,418.16 | 345.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *207.32* | |
| 26 24 19 00-0516 | EA | 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP | 25,475.80 | 374.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *224.61* | |
| 26 24 19 00-0517 | EA | 2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp | 25,533.39 | 403.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *241.88* | |
| 26 24 19 00-0518 | EA | 2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp | 25,763.68 | 518.31 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *310.97* | |
| 26 24 19 00-0519 | EA | 2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp | 43,896.76 | 575.90 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *345.54* | |
| 26 24 19 00-0520 | EA | 2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp | 44,012.05 | 633.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *380.12* | |
| 26 24 19 00-0521 | EA | 2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp | 46,408.69 | 691.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *414.68* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0522 | EA | Add For Reversing Starters, 100 To 700 HP | 9,900.78 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0523 | EA | Add For Reversing Starters, 1,000 To 1,500 Hp | 10,200.97 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0524 | EA | Add For Reversing Starters, 1,750 To 2,500 HP | 15,615.12 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |

## 26 24 19 00-0525 4.8 KV Motor Control Centers *(26 24 19 00-0484)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0526 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP | 19,581.60 | 345.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *207.32* | |
| 26 24 19 00-0527 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP | 19,639.24 | 374.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *224.61* | |
| 26 24 19 00-0528 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP | 19,696.83 | 403.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *241.88* | |
| 26 24 19 00-0529 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP | 19,754.44 | 431.92 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *259.17* | |
| 26 24 19 00-0530 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP | 20,862.66 | 460.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *276.43* | |
| 26 24 19 00-0531 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP | 20,920.31 | 489.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *293.73* | |
| 26 24 19 00-0532 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP | 20,977.79 | 518.31 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *310.97* | |
| 26 24 19 00-0533 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP | 21,035.48 | 547.11 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *328.28* | |
| 26 24 19 00-0534 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP | 21,093.01 | 575.90 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *345.54* | |
| 26 24 19 00-0535 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP | 35,730.01 | 748.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *449.28* | |
| 26 24 19 00-0536 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP | 35,844.73 | 806.14 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *483.69* | |
| 26 24 19 00-0537 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP | 38,243.52 | 863.73 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *518.25* | |
| 26 24 19 00-0538 | EA | 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP | 38,358.57 | 921.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *552.77* | |
| 26 24 19 00-0539 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP | 27,225.73 | 345.53 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *207.32* | |
| 26 24 19 00-0540 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP | 27,583.57 | 374.33 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *224.61* | |
| 26 24 19 00-0541 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP | 32,165.45 | 403.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *241.88* | |
| 26 24 19 00-0542 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP | 35,750.30 | 431.92 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *259.17* | |
| 26 24 19 00-0543 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP | 38,809.75 | 460.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *276.43* | |
| 26 24 19 00-0544 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP | 42,480.41 | 489.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *293.73* | |
| 26 24 19 00-0545 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP | 45,925.75 | 518.31 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *310.97* | |
| 26 24 19 00-0546 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP | 50,475.58 | 547.11 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *328.28* | |
| 26 24 19 00-0547 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP | 58,466.71 | 575.90 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *345.54* | |
| 26 24 19 00-0548 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP | 63,897.74 | 604.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *362.82* | |
| 26 24 19 00-0549 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP | 69,386.35 | 662.28 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *397.39* | |
| 26 24 19 00-0550 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP | 73,923.28 | 691.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *414.68* | |
| 26 24 19 00-0551 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP | 78,202.72 | 719.87 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *431.93* | |
| 26 24 19 00-0552 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP | 84,189.32 | 748.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *449.28* | |
| 26 24 19 00-0553 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP | 133,443.88 | 921.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *552.77* | |
| 26 24 19 00-0554 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP | 148,397.48 | 979.14 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *587.45* | |
| 26 24 19 00-0555 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP | 178,370.66 | 1,036.61 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *621.94* | |
| 26 24 19 00-0556 | EA | 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP | 188,673.62 | 1,036.61 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *621.94* | |
| 26 24 19 00-0557 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP | 26,886.39 | 403.12 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *241.88* | |
| 26 24 19 00-0558 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 700 HP | 26,944.00 | 431.92 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *259.17* | |
| 26 24 19 00-0559 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP | 27,001.55 | 460.71 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *276.43* | |
| 26 24 19 00-0560 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP | 27,059.20 | 489.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *293.73* | |
| 26 24 19 00-0561 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP | 29,376.69 | 518.31 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *310.97* | |
| 26 24 19 00-0562 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP | 29,434.38 | 547.11 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *328.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0563 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP | 29,491.91 | 575.90 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *345.54* | |
| 26 24 19 00-0564 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP | 29,549.53 | 604.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *362.82* | |
| 26 24 19 00-0565 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP | 29,607.20 | 633.49 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *380.12* | |
| 26 24 19 00-0566 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP | 29,952.43 | 806.14 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *483.69* | |
| 26 24 19 00-0567 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP | 48,385.67 | 863.73 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *518.25* | |
| 26 24 19 00-0568 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP | 50,773.59 | 921.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *552.77* | |
| 26 24 19 00-0569 | EA | 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP | 50,773.59 | 921.32 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *552.77* | |
| 26 24 19 00-0570 | EA | Add For Reversing Starters, 100 To 1,250 HP | 10,901.49 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0571 | EA | Add For Reversing Starters, 1,500 To 2,500 HP | 11,232.74 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |
| 26 24 19 00-0572 | EA | Add For Reversing Starters, 3,000 To 4,500 HP | 17,207.16 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *69.11* | |

## 26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories *(26 24 19 00-0484)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0574 | EA | 2.4/4.8 KV Load Break Disconnect Switch 600 Amperes | 14,184.11 | 230.36 |
| 26 24 19 00-0575 | EA | 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes | 17,043.20 | 345.53 |
| 26 24 19 00-0576 | EA | 2.4/4.8 KV NEMA 3 Weather Resistant | 5,586.37 | |
| 26 24 19 00-0577 | EA | 2.4/4.8 KV Space Heaters | 272.00 | 17.27 |
| 26 24 19 00-0578 | EA | 2.4/4.8 KV Potential Transformer Fused | 1,618.42 | |
| 26 24 19 00-0579 | EA | 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA | 868.36 | |
| 26 24 19 00-0580 | EA | 2.4/4.8 KV Control Transformer 4 KVA Max | 2,586.15 | |
| 26 24 19 00-0581 | EA | 2.4/4.8 KV Pushbuttons Each | 165.63 | |
| 26 24 19 00-0582 | EA | 2.4/4.8 KV Selector Switch Each | 548.94 | |
| 26 24 19 00-0583 | EA | 2.4/4.8 KV Indicating Light | 165.63 | |
| 26 24 19 00-0584 | EA | 2.4/4.8 KV Push To Test Light | 501.61 | |
| 26 24 19 00-0585 | EA | 2.4/4.8 KV AC Voltmeter, Switchboard Type | 1,334.48 | |
| 26 24 19 00-0586 | EA | 2.4/4.8 KV AC Ammeter, Switchboard Type | 1,334.48 | |
| 26 24 19 00-0587 | EA | 2.4/4.8 KV Power Factor Meter | 3,991.62 | |
| 26 24 19 00-0588 | EA | 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout | 2,751.78 | |
| 26 24 19 00-0589 | EA | 2.4/4.8 KV Operation Counter | 536.16 | 17.27 |
| 26 24 19 00-0590 | EA | 2.4/4.8 KV Phase Failure Protection | 3,858.36 | 57.59 |
| 26 24 19 00-0591 | EA | 2.4/4.8 KV Ground Protection | 7,373.58 | 28.79 |
| 26 24 19 00-0592 | EA | 2.4/4.8 KV Synchronous Motor DC Protection | 2,982.30 | 28.79 |
| 26 24 19 00-0593 | EA | 2.4/4.8 KV Lightning Arresters | 5,494.58 | 17.27 |
| 26 24 19 00-0594 | EA | 2.4/4.8 KV Portable Lifting Mechanism | 7,958.93 | |
| 26 24 19 00-0595 | EA | 2.4/4.8 KV Auxiliary Timing Relay | 779.14 | 57.59 |
| 26 24 19 00-0596 | EA | 2.4/4.8 KV Auxiliary Control Relay | 554.25 | 57.59 |

## 26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers *(26 24 19 00-0484)*

Note: 3 Pole. Includes structure.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0598 | EA | Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included | 1,345.36 | 345.42 |
| 26 24 19 00-0599 | EA | Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included | 2,333.15 | 611.43 |
| 26 24 19 00-0600 | EA | Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included | 2,780.88 | 782.88 |
| 26 24 19 00-0601 | EA | Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included | 4,469.46 | 1,260.68 |
| 26 24 19 00-0602 | EA | Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included | 5,265.65 | 1,386.74 |
| 26 24 19 00-0603 | EA | Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included | 6,832.73 | 1,538.02 |
| 26 24 19 00-0604 | EA | Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included | 7,950.20 | 1,802.76 |
| 26 24 19 00-0605 | EA | Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included | 13,899.47 | 2,100.28 |

## 26 24 19 00-0606 Main Lugs Only *(26 24 19 00-0484)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0607 | EA | 600 Amperes Incoming Section, Main Lugs | 1,049.56 | 441.24 |
| 26 24 19 00-0608 | EA | 800 Amperes Incoming Section, Main Lugs | 1,138.82 | 441.24 |
| 26 24 19 00-0609 | EA | 1,200 Amperes Incoming Section, Main Lugs | 1,591.43 | 693.37 |
| 26 24 19 00-0610 | EA | 2,000 Amperes Incoming Section, Main Lugs | 3,968.95 | 1,260.68 |
| 26 24 19 00-0611 | EA | 3,000 Amperes Incoming Section, Main Lugs | 6,045.34 | 1,827.97 |
| 26 24 19 00-0612 | EA | 4,000 Amperes Incoming Section, Main Lugs | 8,647.84 | 2,521.35 |

## 26 24 19 00-0613 Incoming Main Circuit Breaker Structure *(26 24 19 00-0484)*

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0614 | EA | 225 Amperes, Main Circuit Breaker Section | 7,349.27 | 610.04 |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For NEMA 1 With Gaskets, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |
| 26 24 19 00-0615 | EA | 400 Amperes, Main Circuit Breaker Section | 15,662.10 | 783.64 |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For NEMA 1 With Gaskets, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |
| 26 24 19 00-0616 | EA | 600 Amperes, Main Circuit Breaker Section | 16,213.18 | 1,220.58 |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For NEMA 1 With Gaskets, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |
| 26 24 19 00-0617 | EA | 800 Amperes, Main Circuit Breaker Section | 23,098.13 | 1,220.58 |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For NEMA 1 With Gaskets, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |
| 26 24 19 00-0618 | EA | 1,200 Amperes, Main Circuit Breaker Section | 33,478.12 | 1,381.07 |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For NEMA 1 With Gaskets, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |

### 26 24 19 00-0619 Incoming Fusible Main Disconnect Section *(26 24 19 00-0484)*

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0620 | EA | 200 Amperes, Fusible Main Disconnect Section | 6,371.73 | 610.80 |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For NEMA 1 With Gaskets, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |
| 26 24 19 00-0621 | EA | 400 Amperes, Fusible Main Disconnect Section | 8,804.73 | 784.02 |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For NEMA 1 With Gaskets, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |
| 26 24 19 00-0622 | EA | 600 Amperes, Fusible Main Disconnect Section | 17,238.27 | 1,221.60 |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For NEMA 1 With Gaskets, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |
| 26 24 19 00-0623 | EA | 800 Amperes, Fusible Main Disconnect Section | 20,062.60 | 1,221.60 |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For NEMA 1 With Gaskets, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |
| 26 24 19 00-0624 | EA | 1,200 Amperes, Fusible Main Disconnect Section | 28,296.23 | 1,382.33 |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For NEMA 1 With Gaskets, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |

### 26 24 19 00-0625 Circuit Breaker Combination Starters *(26 24 19 00-0484)*

### 26 24 19 00-0626 Class I, Type A *(26 24 19 00-0625)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0627 | EA | Size 1, Class I, Type A Circuit Breaker Combination Starter | 1,126.45 | 255.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *145.91* | |
| 26 24 19 00-0628 | EA | Size 2, Class I, Type A Circuit Breaker Combination Starter | 1,311.41 | 255.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *161.62* | |
| 26 24 19 00-0629 | EA | Size 3, Class I, Type A Circuit Breaker Combination Starter | 1,905.98 | 363.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *217.36* | |
| 26 24 19 00-0630 | EA | Size 4, Class I, Type A Circuit Breaker Combination Starter | 3,112.38 | 477.80 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *286.52* | |
| 26 24 19 00-0631 | EA | Size 5, Class I, Type A Circuit Breaker Combination Starter | 5,595.89 | 597.56 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *358.15* | |

### 26 24 19 00-0632 Class I, Type B *(26 24 19 00-0625)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0633 | EA | Size 1, Class I, Type B Circuit Breaker Combination Starter | 1,067.65 | 223.14 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *126.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0634 | EA | Size 2, Class I, Type B Circuit Breaker Combination Starter | 1,245.90 | 223.14 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.97* | |
| 26 24 19 00-0635 | EA | Size 3, Class I, Type B Circuit Breaker Combination Starter | 1,827.95 | 322.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *193.95* | |
| 26 24 19 00-0636 | EA | Size 4, Class I, Type B Circuit Breaker Combination Starter | 3,032.79 | 437.45 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *262.64* | |
| 26 24 19 00-0637 | EA | Size 5, Class I, Type B Circuit Breaker Combination Starter | 5,531.71 | 558.48 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *338.89* | |
| **26 24 19 00-0638** | | **Class I, Type C** *(26 24 19 00-0625)* | | |
| 26 24 19 00-0639 | EA | Size 1, Class I, Type C Circuit Breaker Combination Starter | 1,127.23 | 206.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *114.19* | |
| 26 24 19 00-0640 | EA | Size 2, Class I, Type C Circuit Breaker Combination Starter | 1,316.59 | 206.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *134.12* | |
| 26 24 19 00-0641 | EA | Size 3, Class I, Type C Circuit Breaker Combination Starter | 1,957.73 | 308.87 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *185.39* | |
| 26 24 19 00-0642 | EA | Size 4, Class I, Type C Circuit Breaker Combination Starter | 3,169.75 | 427.37 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *256.24* | |
| 26 24 19 00-0643 | EA | Size 5, Class I, Type C Circuit Breaker Combination Starter | 5,659.45 | 548.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *328.30* | |
| **26 24 19 00-0644** | | **Class II, Type B** *(26 24 19 00-0625)* | | |
| 26 24 19 00-0645 | EA | Size 1, Class II, Type B Circuit Breaker Combination Starter | 1,126.39 | 306.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *173.17* | |
| 26 24 19 00-0646 | EA | Size 2, Class II, Type B Circuit Breaker Combination Starter | 1,558.96 | 306.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *193.36* | |
| 26 24 19 00-0647 | EA | Size 3, Class II, Type B Circuit Breaker Combination Starter | 2,210.86 | 408.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *244.32* | |
| 26 24 19 00-0648 | EA | Size 4, Class II, Type B Circuit Breaker Combination Starter | 3,614.30 | 523.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *315.17* | |
| 26 24 19 00-0649 | EA | Size 5, Class II, Type B Circuit Breaker Combination Starter | 6,529.15 | 639.16 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *384.35* | |
| **26 24 19 00-0650** | | **Class II, Type C** *(26 24 19 00-0625)* | | |
| 26 24 19 00-0651 | EA | Size 1, Class II, Type C Circuit Breaker Combination Starter | 1,408.30 | 289.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *165.88* | |
| 26 24 19 00-0652 | EA | Size 2, Class II, Type C Circuit Breaker Combination Starter | 1,617.45 | 289.96 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *181.13* | |
| 26 24 19 00-0653 | EA | Size 3, Class II, Type C Circuit Breaker Combination Starter | 2,347.05 | 395.85 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *236.97* | |
| 26 24 19 00-0654 | EA | Size 4, Class II, Type C Circuit Breaker Combination Starter | 3,742.02 | 510.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *305.99* | |
| 26 24 19 00-0655 | EA | Size 5, Class II, Type C Circuit Breaker Combination Starter | 6,674.40 | 630.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *379.72* | |
| **26 24 19 00-0656** | | **Fused Disconnect Combination Starter** *(26 24 19 00-0484)* | | |
| **26 24 19 00-0657** | | **Class I, Type A** *(26 24 19 00-0656)* | | |
| 26 24 19 00-0658 | EA | Size 1, Class I, Type A Fused Disconnect Combination Starter | 1,027.96 | 235.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.97* | |
| 26 24 19 00-0659 | EA | Size 2, Class I, Type A Fused Disconnect Combination Starter | 1,549.51 | 322.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *193.36* | |
| 26 24 19 00-0660 | EA | Size 3, Class I, Type A Fused Disconnect Combination Starter | 2,461.39 | 419.80 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *252.14* | |
| 26 24 19 00-0661 | EA | Size 4, Class I, Type A Fused Disconnect Combination Starter | 3,367.35 | 588.73 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *354.12* | |
| 26 24 19 00-0662 | EA | Size 5, Class I, Type A Fused Disconnect Combination Starter | 5,895.01 | 750.10 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *450.24* | |
| **26 24 19 00-0663** | | **Class I, Type B** *(26 24 19 00-0656)* | | |
| 26 24 19 00-0664 | EA | Size 1, Class I, Type B Fused Disconnect Combination Starter | 1,046.39 | 210.54 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *126.07* | |
| 26 24 19 00-0665 | EA | Size 2, Class I, Type B Fused Disconnect Combination Starter | 1,409.35 | 288.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *173.17* | |
| 26 24 19 00-0666 | EA | Size 3, Class I, Type B Fused Disconnect Combination Starter | 2,084.64 | 385.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *231.74* | |
| 26 24 19 00-0667 | EA | Size 4, Class I, Type B Fused Disconnect Combination Starter | 3,485.92 | 557.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *335.29* | |
| 26 24 19 00-0668 | EA | Size 5, Class I, Type B Fused Disconnect Combination Starter | 5,996.25 | 708.50 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *425.90* | |
| **26 24 19 00-0669** | | **Class I, Type C** *(26 24 19 00-0656)* | | |
| 26 24 19 00-0670 | EA | Size 1, Class I, Type C Fused Disconnect Combination Starter | 1,107.06 | 196.67 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *118.04* | |
| 26 24 19 00-0671 | EA | Size 2, Class I, Type C Fused Disconnect Combination Starter | 1,488.19 | 267.27 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *161.62* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0672 | EA | Size 3, Class I, Type C Fused Disconnect Combination Starter | 2,265.25 | 371.90 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *225.12* | |
| 26 24 19 00-0673 | EA | Size 4, Class I, Type C Fused Disconnect Combination Starter | 3,665.34 | 548.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *328.30* | |
| 26 24 19 00-0674 | EA | Size 5, Class I, Type C Fused Disconnect Combination Starter | 5,672.86 | 700.94 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *420.23* | |
| **26 24 19 00-0675** | | **Class II, Type B** *(26 24 19 00-0656)* | | |
| 26 24 19 00-0676 | EA | Size 1, Class II, Type B Fused Disconnect Combination Starter | 1,320.33 | 295.00 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *177.06* | |
| 26 24 19 00-0677 | EA | Size 2, Class II, Type B Fused Disconnect Combination Starter | 1,705.46 | 368.11 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *220.40* | |
| 26 24 19 00-0678 | EA | Size 3, Class II, Type B Fused Disconnect Combination Starter | 2,471.98 | 474.02 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *283.94* | |
| 26 24 19 00-0679 | EA | Size 4, Class II, Type B Fused Disconnect Combination Starter | 4,022.85 | 639.16 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *384.35* | |
| 26 24 19 00-0680 | EA | Size 5, Class II, Type B Fused Disconnect Combination Starter | 6,893.76 | 798.01 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *477.53* | |
| **26 24 19 00-0681** | | **Class II, Type C** *(26 24 19 00-0656)* | | |
| 26 24 19 00-0682 | EA | Size 1, Class II, Type C Fused Disconnect Combination Starter | 1,370.49 | 277.35 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *165.88* | |
| 26 24 19 00-0683 | EA | Size 2, Class II, Type C Fused Disconnect Combination Starter | 1,783.87 | 347.95 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *208.72* | |
| 26 24 19 00-0684 | EA | Size 3, Class II, Type C Fused Disconnect Combination Starter | 2,623.21 | 452.58 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *271.70* | |
| 26 24 19 00-0685 | EA | Size 4, Class II, Type C Fused Disconnect Combination Starter | 4,184.38 | 624.04 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *375.20* | |
| 26 24 19 00-0686 | EA | Size 5, Class II, Type C Fused Disconnect Combination Starter | 7,049.65 | 772.79 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *463.48* | |
| **26 24 19 00-0687** | | **Space Complete With Bus And Hardware** *(26 24 19 00-0484)* | | |
| **26 24 19 00-0688** | | **Circuit Breaker Type** *(26 24 19 00-0687)* | | |
| 26 24 19 00-0689 | EA | Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware | 317.32 | 85.72 |
| 26 24 19 00-0690 | EA | Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware | 317.32 | 85.72 |
| 26 24 19 00-0691 | EA | Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware | 471.65 | 124.81 |
| 26 24 19 00-0692 | EA | Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware | 559.16 | 163.89 |
| 26 24 19 00-0693 | EA | Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware | 939.76 | 249.61 |
| **26 24 19 00-0694** | | **Fused Disconnect Type** *(26 24 19 00-0687)* | | |
| 26 24 19 00-0695 | EA | Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware | 317.32 | 85.72 |
| 26 24 19 00-0696 | EA | Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware | 420.24 | 124.81 |
| 26 24 19 00-0697 | EA | Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware | 584.32 | 163.89 |
| 26 24 19 00-0698 | EA | Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware | 1,009.97 | 249.61 |
| 26 24 19 00-0699 | EA | Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware | 1,407.27 | 363.07 |
| **26 24 19 00-0700** | | **Blank Space For Future Expansion** *(26 24 19 00-0687)* | | |
| | | Note: Factory modified no labor costs. | | |
| 26 24 19 00-0701 | EA | Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs | 146.50 | |
| 26 24 19 00-0702 | EA | Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs | 146.50 | |
| 26 24 19 00-0703 | EA | Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs | 222.11 | |
| 26 24 19 00-0704 | EA | Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs | 222.11 | |
| 26 24 19 00-0705 | EA | Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs | 441.86 | |
| **26 24 19 00-0706** | | **Structure Combination Of Starters To 72" High** *(26 24 19 00-0687)* | | |
| 26 24 19 00-0707 | EA | Structure Combination Of Starters To 72" High | 3,708.57 | 663.49 |
| **26 24 19 00-0708** | | **Motor Control Center Basic Distribution Section** *(26 24 19 00-0484)* | | |
| 26 24 19 00-0709 | EA | 20" Wide Basic Section With Vertical Wireway | 6,187.88 | 1,727.88 |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For 1,600 Amperes, Tin Plated Copper Bus, Add* | *402.00* | |
| | | *For 2,000 Amperes, Tin Plated Copper Bus, Add* | *506.00* | |
| | | *For NEMA 1 With Gasket, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 600 Amperes, Tin Plated Copper Vertical, Add* | *210.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0710 | EA | 25" To 35" Wide Basic Section (No Vertical Wireway) | 6,187.88 | 1,727.88 |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For 1,600 Amperes, Tin Plated Copper Bus, Add* | *402.00* | |
| | | *For 2,000 Amperes, Tin Plated Copper Bus, Add* | *506.00* | |
| | | *For NEMA 1 With Gasket, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 600 Amperes, Tin Plated Copper Vertical, Add* | *210.00* | |
| 26 24 19 00-0711 | EA | 25" Wide Basic Section With 9" Wide Vertical Wireway | 6,831.66 | 1,727.88 |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For 1,600 Amperes, Tin Plated Copper Bus, Add* | *402.00* | |
| | | *For 2,000 Amperes, Tin Plated Copper Bus, Add* | *506.00* | |
| | | *For NEMA 1 With Gasket, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 600 Amperes, Tin Plated Copper Vertical, Add* | *210.00* | |
| 26 24 19 00-0712 | EA | Corner Section | 6,831.66 | 1,727.88 |
| | | *For 20" Cabinet Depth, Add* | *108.00* | |
| | | *For 800 Amperes, Tin Plated Copper Bus, Add* | *182.00* | |
| | | *For 1,200 Amperes, Tin Plated Copper Bus, Add* | *334.00* | |
| | | *For 1,600 Amperes, Tin Plated Copper Bus, Add* | *402.00* | |
| | | *For 2,000 Amperes, Tin Plated Copper Bus, Add* | *506.00* | |
| | | *For NEMA 1 With Gasket, Add* | *97.00* | |
| | | *For NEMA 12, Add* | *245.00* | |
| | | *For 600 Amperes, Tin Plated Copper Vertical, Add* | *210.00* | |

### 26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker *(26 24 19 00-0484)*

Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.

### 26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker *(26 24 19 00-0713)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0715 | EA | Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker | 1,605.51 | 242.68 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *145.60* | |
| 26 24 19 00-0716 | EA | Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker | 1,787.01 | 269.15 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *161.49* | |
| 26 24 19 00-0717 | EA | Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker | 3,098.08 | 361.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *217.11* | |
| 26 24 19 00-0718 | EA | Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker | 4,493.61 | 477.04 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *286.26* | |
| 26 24 19 00-0719 | EA | Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker | 10,243.65 | 596.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *357.74* | |
| 26 24 19 00-0720 | EA | Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker | 23,958.38 | 596.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *357.74* | |
| 26 24 19 00-0721 | EA | Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker | 1,620.91 | 209.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *125.93* | |
| 26 24 19 00-0722 | EA | Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker | 1,828.10 | 236.37 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *141.82* | |
| 26 24 19 00-0723 | EA | Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker | 3,167.50 | 322.74 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *193.63* | |
| 26 24 19 00-0724 | EA | Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker | 4,496.44 | 437.45 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *262.49* | |
| 26 24 19 00-0725 | EA | Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker | 10,262.88 | 564.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *338.89* | |
| 26 24 19 00-0726 | EA | Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker | 24,125.18 | 564.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *338.89* | |

### 26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0728 | EA | Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker | 2,571.41 | 303.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *182.18* | |
| 26 24 19 00-0729 | EA | Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker | 3,154.68 | 335.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *201.60* | |
| 26 24 19 00-0730 | EA | Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker | 5,198.93 | 451.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *270.92* | |
| 26 24 19 00-0731 | EA | Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker | 8,943.78 | 596.93 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *358.15* | |
| 26 24 19 00-0732 | EA | Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker | 16,151.83 | 746.83 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *448.11* | |
| 26 24 19 00-0733 | EA | Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker | 2,611.62 | 262.22 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *157.32* | |
| 26 24 19 00-0734 | EA | Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker | 3,221.67 | 295.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *177.39* | |
| 26 24 19 00-0735 | EA | Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker | 5,292.70 | 404.05 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *242.44* | |
| 26 24 19 00-0736 | EA | Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker | 8,967.37 | 547.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *328.30* | |
| 26 24 19 00-0737 | EA | Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker | 16,194.52 | 706.61 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *423.99* | |

### 26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0713)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0739 | EA | Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker | 2,817.55 | 303.70 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *182.18* | |
| 26 24 19 00-0740 | EA | Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker | 4,009.59 | 335.97 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *201.60* | |
| 26 24 19 00-0741 | EA | Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker | 7,566.74 | 451.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *270.92* | |
| 26 24 19 00-0742 | EA | Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker | 10,304.08 | 596.93 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *358.15* | |
| 26 24 19 00-0743 | EA | Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker | 20,656.09 | 746.83 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *448.11* | |
| 26 24 19 00-0744 | EA | Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker | 2,857.76 | 262.22 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *157.32* | |
| 26 24 19 00-0745 | EA | Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker | 4,076.58 | 295.63 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *177.39* | |
| 26 24 19 00-0746 | EA | Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker | 7,660.52 | 404.05 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *242.44* | |
| 26 24 19 00-0747 | EA | Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker | 10,327.67 | 547.13 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *328.30* | |
| 26 24 19 00-0748 | EA | Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker | 20,698.78 | 706.61 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *423.99* | |

## 26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect *(26 24 19 00-0484)*

Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure.
Line voltages of 208 V, 240 V, 480 V, and 600 V.

## 26 24 19 00-0750 FVNR Starters With Fusible Disconnect *(26 24 19 00-0749)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0751 | EA | Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect | 1,295.32 | 236.63 |
| 26 24 19 00-0752 | EA | Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect | 1,688.45 | 321.59 |
| 26 24 19 00-0753 | EA | Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect | 2,815.49 | 419.05 |
| 26 24 19 00-0754 | EA | Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect | 4,747.72 | 590.24 |
| 26 24 19 00-0755 | EA | Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect | 9,539.56 | 750.35 |
| 26 24 19 00-0756 | EA | Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect | 24,182.93 | 750.35 |
| 26 24 19 00-0757 | EA | Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect | 1,321.61 | 209.78 |
| 26 24 19 00-0758 | EA | Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect | 1,728.08 | 288.06 |
| 26 24 19 00-0759 | EA | Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect | 2,897.43 | 386.27 |
| 26 24 19 00-0760 | EA | Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect | 4,766.98 | 558.86 |
| 26 24 19 00-0761 | EA | Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect | 9,540.48 | 709.89 |
| 26 24 19 00-0762 | EA | Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect | 24,331.53 | 709.89 |

## 26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect *(26 24 19 00-0749)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0764 | EA | Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect | 2,231.68 | 296.26 |
| 26 24 19 00-0765 | EA | Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect | 3,109.46 | 402.02 |
| 26 24 19 00-0766 | EA | Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect | 4,814.58 | 523.56 |
| 26 24 19 00-0767 | EA | Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect | 10,092.73 | 739.89 |
| 26 24 19 00-0768 | EA | Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect | 16,421.02 | 865.83 |
| 26 24 19 00-0769 | EA | Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect | 2,285.63 | 262.22 |
| 26 24 19 00-0770 | EA | Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect | 3,172.70 | 359.79 |
| 26 24 19 00-0771 | EA | Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect | 4,922.97 | 483.35 |
| 26 24 19 00-0772 | EA | Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect | 10,130.69 | 697.28 |
| 26 24 19 00-0773 | EA | Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect | 16,445.38 | 816.54 |

## 26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect *(26 24 19 00-0749)*

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0775 | EA | Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect | 2,602.52 | 296.26 |
| 26 24 19 00-0776 | EA | Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect | 3,977.50 | 402.02 |
| 26 24 19 00-0777 | EA | Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect | 7,207.01 | 523.56 |
| 26 24 19 00-0778 | EA | Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect | 10,591.56 | 739.89 |
| 26 24 19 00-0779 | EA | Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect | 20,009.66 | 865.83 |
| 26 24 19 00-0780 | EA | Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect | 2,657.57 | 262.22 |
| 26 24 19 00-0781 | EA | Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect | 4,040.74 | 359.79 |
| 26 24 19 00-0782 | EA | Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect | 7,315.40 | 483.35 |
| 26 24 19 00-0783 | EA | Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect | 10,629.52 | 697.28 |
| 26 24 19 00-0784 | EA | Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect | 20,034.03 | 816.54 |

## 26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit *(26 24 19 00-0484)*

Note: Per section. Labor is included in basic distribution section.

| | | | | |
|---|---|---|---|---|
| 26 24 19 00-0786 | EA | 600 Amperes, Horizontal Tin Plated Copper Bus Kit | 280.99 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.47* | |
| 26 24 19 00-0787 | EA | 800 Amperes, Horizontal Tin Plated Copper Bus Kit | 344.43 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.47* | |
| 26 24 19 00-0788 | EA | 1,200 Amperes, Horizontal Tin Plated Copper Bus Kit | 414.19 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.36* | |
| 26 24 19 00-0789 | EA | 1,600 Amperes, Horizontal Tin Plated Copper Bus Kit | 538.90 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.36* | |
| 26 24 19 00-0790 | EA | 2,000 Amperes, Horizontal Tin Plated Copper Bus Kit | 904.02 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.26* | |
| 26 24 19 00-0791 | EA | 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit | 160.90 | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.58* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 24 19 00-0792** | | **Disconnect (Safety) Switch For Motor Control Centers** *(26 24 19 00-0484)* | | |
| **26 24 19 00-0793** | | **3 Pole Circuit Breaker Disconnect For Motor Control Center** *(26 24 19 00-0792)*<br>Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters). | | |
| 26 24 19 00-0794 | EA | 150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect | 1,054.98 | 182.17 |
| 26 24 19 00-0795 | EA | 150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect | 1,859.80 | 201.71 |
| 26 24 19 00-0796 | EA | 225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect | 2,265.94 | 271.68 |
| 26 24 19 00-0797 | EA | 400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect | 3,770.68 | 358.03 |
| 26 24 19 00-0798 | EA | 600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect | 6,534.52 | 447.54 |
| 26 24 19 00-0799 | EA | 800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect | 7,461.58 | 447.54 |
| 26 24 19 00-0800 | EA | 1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect | 15,414.10 | 560.37 |
| **26 24 19 00-0801** | | **Fusible Disconnect (Safety) Switch For Motor Control Center** *(26 24 19 00-0792)*<br>Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters). | | |
| 26 24 19 00-0802 | EA | 30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips | 895.74 | 177.13 |
| 26 24 19 00-0803 | EA | 60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips | 1,057.18 | 241.42 |
| 26 24 19 00-0804 | EA | 100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips | 1,448.02 | 308.87 |
| 26 24 19 00-0805 | EA | 200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips | 2,694.97 | 442.50 |
| 26 24 19 00-0806 | EA | 400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips | 4,779.88 | 562.77 |
| 26 24 19 00-0807 | EA | 600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips | 10,949.65 | 562.77 |
| 26 24 19 00-0808 | EA | 800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips | 13,536.51 | 703.46 |
| 26 24 19 00-0809 | EA | 1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips | 19,995.09 | 703.46 |
| **26 24 19 00-0810** | | **Control Circuit Transformer** *(26 24 19 00-0484)* | | |
| 26 24 19 00-0811 | EA | Control Circuit Transformer, Size 1 Factory Installed | 78.16 | |
| 26 24 19 00-0812 | EA | Control Circuit Transformer, Size 2 Factory Installed | 78.16 | |
| 26 24 19 00-0813 | EA | Control Circuit Transformer, Size 3 Factory Installed | 150.52 | |
| 26 24 19 00-0814 | EA | Control Circuit Transformer, Size 4 Factory Installed | 150.52 | |
| 26 24 19 00-0815 | EA | Control Circuit Transformer, Size 5 Factory Installed | 209.11 | |
| 26 24 19 00-0816 | EA | Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay | 58.37 | 14.27 |
| **26 24 19 00-0817** | | **Cover Mounted Control Devices** *(26 24 19 00-0484)* | | |
| 26 24 19 00-0818 | EA | Control Device, 2 Unit Push Button Station Cover Mounted | 130.69 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.76* | |
| 26 24 19 00-0819 | EA | Control Device, 2-3 Unit Selector Switch Cover Mounted | 146.71 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.70* | |
| 26 24 19 00-0820 | EA | Control Device, Pilot Light Cover Mounted | 123.29 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.80* | |
| 26 24 19 00-0821 | EA | Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light | 334.33 | 85.72 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *51.67* | |
| 26 24 19 00-0822 | EA | Auxiliary Contact Add Per Starter | 401.77 | 32.65 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *19.60* | |
| **26 24 19 00-0823** | | **Extra Interlocks** *(26 24 19 00-0484)*<br>Note: Per contact. | | |
| 26 24 19 00-0824 | EA | Extra Interlocks, Class I, Type A Per Contact | 85.09 | 16.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.80* | |
| 26 24 19 00-0825 | EA | Extra Interlocks, Class I, Type B Per Contact | 117.76 | 16.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.80* | |
| 26 24 19 00-0826 | EA | Extra Interlocks, Class I, Type C Per Contact | 130.85 | 16.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.85* | |
| 26 24 19 00-0827 | EA | Extra Interlocks, Class II, Type B Per Contact | 117.75 | 16.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.88* | |
| 26 24 19 00-0828 | EA | Extra Interlocks, Class II, Type C Per Contact | 124.38 | 16.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.95* | |
| **26 24 19 00-0829** | | **Special Cabinet Provisions** *(26 24 19 00-0484)* | | |
| 26 24 19 00-0830 | EA | Provisions For Bus Duct Entrance Special Cabinet Provisions | 978.41 | |
| **26 24 19 00-0831** | | **Nameplate Requirements** *(26 24 19 00-0484)* | | |
| 26 24 19 00-0832 | EA | Special Cabinet Nameplate Requirements | 34.74 | |
| **26 24 19 00-0833** | | **Auxiliary Relays** *(26 24 19 00-0484)* | | |
| 26 24 19 00-0834 | EA | Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts | 191.78 | 31.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.94* | |
| 26 24 19 00-0835 | EA | Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay | 181.33 | 28.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.94* | |
| 26 24 19 00-0836 | EA | General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base | 103.33 | 28.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.94* | |
| **26 24 19 00-0837** | | **Motor Control Center Accessories** *(26 24 19 00-0484)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 24 19 00-0838 | | Lighting Transformer With Circuit Breaker *(26 24 19 00-0837)*<br>Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only. | | |
| 26 24 19 00-0839 | EA | 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker | 5,676.48 | 404.89 |
| 26 24 19 00-0840 | EA | 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker | 5,901.86 | 421.09 |
| 26 24 19 00-0841 | EA | 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker | 6,457.12 | 453.48 |
| 26 24 19 00-0842 | EA | 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker | 8,114.66 | 485.87 |
| 26 24 19 00-0843 | EA | 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker | 10,906.62 | 518.26 |
| 26 24 19 00-0844 | EA | 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker | 13,396.17 | 583.04 |
| 26 24 19 00-0845 | EA | 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker | 17,598.40 | 647.83 |
| 26 24 19 00-0846 | EA | 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker | 10,283.69 | 534.45 |
| 26 24 19 00-0847 | EA | 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker | 11,172.77 | 583.04 |
| 26 24 19 00-0848 | EA | 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker | 12,777.93 | 647.83 |
| 26 24 19 00-0849 | EA | 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker | 13,556.80 | 712.60 |
| 26 24 19 00-0850 | EA | 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker | 16,353.90 | 777.39 |
| 26 24 19 00-0851 | EA | 3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker | 16,875.45 | 842.18 |
| 26 24 19 00-0852 | | Bolt-On Lighting Panel *(26 24 19 00-0837)*<br>Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only. | | |
| 26 24 19 00-0853 | EA | 18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt | 2,373.50 | 656.05 |
| 26 24 19 00-0854 | EA | 30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt | 3,694.99 | 1,141.92 |
| 26 24 19 00-0855 | EA | 42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt | 4,909.12 | 1,544.95 |
| 26 24 19 00-0856 | EA | 18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt | 2,481.07 | 709.89 |
| 26 24 19 00-0857 | EA | 30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt | 3,646.40 | 1,117.59 |
| 26 24 19 00-0858 | EA | 42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt | 5,102.24 | 1,641.53 |
| 26 24 19 00-0859 | EA | 18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt | 4,022.50 | 760.95 |
| 26 24 19 00-0860 | EA | 30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt | 5,345.90 | 1,221.60 |
| 26 24 19 00-0861 | EA | 42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt | 6,674.22 | 1,641.53 |
| 26 24 19 00-0862 | EA | 18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt | 4,142.19 | 820.69 |
| 26 24 19 00-0863 | EA | 30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt | 5,345.90 | 1,221.60 |
| 26 24 19 00-0864 | EA | 42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt | 6,780.12 | 1,694.47 |
| 26 24 19 00-0865 | | Factory Installed Bolt-On Branch Circuit Breaker *(26 24 19 00-0837)*<br>Note: For MCC lighting panel only. | | |
| 26 24 19 00-0866 | EA | 15 To 30 Amperes,1 Pole, Bolt-On Branch Circuit Breaker | 27.70 | |
| 26 24 19 00-0867 | EA | 15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker | 301.53 | |
| 26 24 19 00-0868 | EA | 15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker | 54.14 | |
| 26 24 19 00-0869 | EA | 60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker | 124.65 | |
| 26 24 19 00-0870 | EA | 15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker | 146.05 | |
| 26 24 19 00-0871 | EA | 60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker | 221.60 | |
| 26 24 19 00-0872 | | Blank Unit Door (BUD) *(26 24 19 00-0837)*<br>Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed. | | |
| 26 24 19 00-0873 | EA | 6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure | 80.41 | |
| 26 24 19 00-0874 | EA | 12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure | 96.49 | |
| 26 24 19 00-0875 | EA | 18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure | 144.73 | |
| 26 24 19 00-0876 | EA | 24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure | 192.98 | |
| 26 24 19 00-0877 | EA | 30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure | 289.47 | |
| 26 24 19 00-0878 | EA | 48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure | 337.71 | |
| 26 24 19 00-0879 | EA | 72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure | 385.96 | |

## 26 25 Enclosed Bus Assemblies *(26 20)*

### 26 25 13 Low-Voltage Busways *(26 25)*

| | | | | |
|---|---|---|---|---|
| 26 25 13 00-0001 | | Plug-In Bus Duct *(26 25 13)*<br>Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support. | | |
| 26 25 13 00-0002 | | 600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0001)* | | |
| 26 25 13 00-0003 | LF | 225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors | 285.40 | 37.82 |
| | | *For Up To 25, Add* | *71.35* | |
| | | *For >25 To 50, Add* | *42.81* | |
| | | *For >50 To 100, Add* | *21.41* | |
| 26 25 13 00-0004 | LF | 400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors | 401.23 | 37.82 |
| | | *For Up To 25, Add* | *100.31* | |
| | | *For >25 To 50, Add* | *60.18* | |
| | | *For >50 To 100, Add* | *30.09* | |
| 26 25 13 00-0005 | LF | 600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors | 507.18 | 50.43 |
| | | *For Up To 25, Add* | *126.80* | |
| | | *For >25 To 50, Add* | *76.08* | |
| | | *For >50 To 100, Add* | *38.04* | |
| 26 25 13 00-0006 | LF | 800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors | 696.56 | 50.43 |
| | | *For Up To 25, Add* | *174.14* | |
| | | *For >25 To 50, Add* | *104.48* | |
| | | *For >50 To 100, Add* | *52.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 25 13 00-0007 | LF | 1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors | 735.07 | 63.03 |
| | | *For Up To 25, Add* | *183.77* | |
| | | *For >25 To 50, Add* | *110.26* | |
| | | *For >50 To 100, Add* | *55.13* | |
| 26 25 13 00-0008 | LF | 1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors | 1,019.50 | 63.03 |
| | | *For Up To 25, Add* | *254.88* | |
| | | *For >25 To 50, Add* | *152.93* | |
| | | *For >50 To 100, Add* | *76.46* | |
| 26 25 13 00-0009 | LF | 1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors | 1,190.86 | 66.18 |
| | | *For Up To 25, Add* | *297.72* | |
| | | *For >25 To 50, Add* | *178.63* | |
| | | *For >50 To 100, Add* | *89.31* | |
| 26 25 13 00-0010 | LF | 2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors | 1,446.49 | 68.07 |
| | | *For Up To 25, Add* | *361.62* | |
| | | *For >25 To 50, Add* | *216.97* | |
| | | *For >50 To 100, Add* | *108.49* | |
| 26 25 13 00-0011 | LF | 2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors | 1,781.81 | 71.86 |
| | | *For Up To 25, Add* | *445.45* | |
| | | *For >25 To 50, Add* | *267.27* | |
| | | *For >50 To 100, Add* | *133.64* | |
| 26 25 13 00-0012 | LF | 3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors | 2,057.62 | 83.84 |
| | | *For Up To 25, Add* | *514.41* | |
| | | *For >25 To 50, Add* | *308.64* | |
| | | *For >50 To 100, Add* | *154.32* | |
| 26 25 13 00-0013 | LF | 4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors | 2,379.64 | 91.39 |
| | | *For Up To 25, Add* | *594.91* | |
| | | *For >25 To 50, Add* | *356.95* | |
| | | *For >50 To 100, Add* | *178.47* | |

## 26 25 13 00-0014 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 25 13 00-0015 | LF | 225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors | 460.09 | 37.82 |
| | | *For Up To 25, Add* | *115.02* | |
| | | *For >25 To 50, Add* | *69.01* | |
| | | *For >50 To 100, Add* | *34.51* | |
| 26 25 13 00-0016 | LF | 400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors | 661.34 | 37.82 |
| | | *For Up To 25, Add* | *165.34* | |
| | | *For >25 To 50, Add* | *99.20* | |
| | | *For >50 To 100, Add* | *49.60* | |
| 26 25 13 00-0017 | LF | 600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors | 747.75 | 50.43 |
| | | *For Up To 25, Add* | *186.94* | |
| | | *For >25 To 50, Add* | *112.16* | |
| | | *For >50 To 100, Add* | *56.08* | |
| 26 25 13 00-0018 | LF | 800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors | 948.68 | 50.43 |
| | | *For Up To 25, Add* | *237.17* | |
| | | *For >25 To 50, Add* | *142.30* | |
| | | *For >50 To 100, Add* | *71.15* | |
| 26 25 13 00-0019 | LF | 1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors | 1,155.63 | 63.03 |
| | | *For Up To 25, Add* | *288.91* | |
| | | *For >25 To 50, Add* | *173.34* | |
| | | *For >50 To 100, Add* | *86.67* | |
| 26 25 13 00-0020 | LF | 1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors | 1,493.80 | 63.03 |
| | | *For Up To 25, Add* | *373.45* | |
| | | *For >25 To 50, Add* | *224.07* | |
| | | *For >50 To 100, Add* | *112.04* | |
| 26 25 13 00-0021 | LF | 1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors | 1,928.74 | 65.30 |
| | | *For Up To 25, Add* | *482.19* | |
| | | *For >25 To 50, Add* | *289.31* | |
| | | *For >50 To 100, Add* | *144.66* | |
| 26 25 13 00-0022 | LF | 2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors | 2,320.01 | 68.07 |
| | | *For Up To 25, Add* | *580.00* | |
| | | *For >25 To 50, Add* | *348.00* | |
| | | *For >50 To 100, Add* | *174.00* | |
| 26 25 13 00-0023 | LF | 2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors | 2,873.81 | 71.23 |
| | | *For Up To 25, Add* | *718.45* | |
| | | *For >25 To 50, Add* | *431.07* | |
| | | *For >50 To 100, Add* | *215.54* | |
| 26 25 13 00-0024 | LF | 3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors | 3,317.65 | 83.84 |
| | | *For Up To 25, Add* | *829.41* | |
| | | *For >25 To 50, Add* | *497.65* | |
| | | *For >50 To 100, Add* | *248.82* | |
| 26 25 13 00-0025 | LF | 4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors | 3,844.20 | 91.39 |
| | | *For Up To 25, Add* | *961.05* | |
| | | *For >25 To 50, Add* | *576.63* | |
| | | *For >50 To 100, Add* | *288.32* | |

## 26 25 13 00-0026 Cable Tap Boxes *(26 25 13 00-0001)*

## 26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0026)*

| | | | | |
|---|---|---|---|---|
| 26 25 13 00-0028 | EA | 225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire | 2,309.72 | 176.50 |
| 26 25 13 00-0029 | EA | 400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire | 2,392.07 | 176.50 |
| 26 25 13 00-0030 | EA | 600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire | 2,589.09 | 239.53 |
| 26 25 13 00-0031 | EA | 800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire | 2,758.68 | 239.53 |
| 26 25 13 00-0032 | EA | 1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire | 2,961.04 | 315.17 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 25 13 00-0033 | EA | 1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire | 3,245.06 | 315.17 |
| **26 25 13 00-0034** | | **277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors** *(26 25 13 00-0026)* | | |
| 26 25 13 00-0035 | EA | 225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire | 2,392.07 | 346.69 |
| 26 25 13 00-0036 | EA | 400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire | 2,603.55 | 346.69 |
| 26 25 13 00-0037 | EA | 600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire | 2,786.33 | 472.75 |
| 26 25 13 00-0038 | EA | 800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire | 3,131.63 | 472.75 |
| 26 25 13 00-0039 | EA | 1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire | 3,298.29 | 630.34 |
| 26 25 13 00-0040 | EA | 1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire | 3,750.58 | 630.34 |
| **26 25 13 00-0041** | | **Bus Duct Plug-In Circuit Breaker** *(26 25 13 00-0001)* | | |
| **26 25 13 00-0042** | | **240 Volt, 3-Phase** *(26 25 13 00-0041)* | | |
| 26 25 13 00-0043 | EA | 60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker | 1,048.79 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.96* | |
| 26 25 13 00-0044 | EA | 100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker | 2,070.36 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *88.53* | |
| **26 25 13 00-0045** | | **600 Volt, 3-Phase** *(26 25 13 00-0041)* | | |
| 26 25 13 00-0046 | EA | 60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker | 2,005.14 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.96* | |
| 26 25 13 00-0047 | EA | 100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker | 2,596.87 | 126.07 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *88.53* | |
| **26 25 13 00-0048** | | **120/208 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)* | | |
| 26 25 13 00-0049 | EA | 60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker | 1,207.54 | 151.28 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *78.79* | |
| 26 25 13 00-0050 | EA | 100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker | 1,444.02 | 151.28 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *98.49* | |
| **26 25 13 00-0051** | | **277/480 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)* | | |
| 26 25 13 00-0052 | EA | 60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker | 1,378.37 | 151.28 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *78.79* | |
| 26 25 13 00-0053 | EA | 100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker | 2,112.96 | 151.28 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *98.49* | |
| 26 25 13 00-0054 | EA | 225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker | 3,114.27 | 523.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *226.74* | |
| 26 25 13 00-0055 | EA | 400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker | 7,416.72 | 523.18 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *492.45* | |
| 26 25 13 00-0056 | EA | 600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker | 8,331.18 | 1,512.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *685.15* | |
| 26 25 13 00-0057 | EA | 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker | 10,541.53 | 1,512.81 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *1,212.19* | |
| **26 25 13 00-0058** | | **Bus Duct Plug-In Fusible Switch** *(26 25 13 00-0001)* | | |
| **26 25 13 00-0059** | | **240 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)* | | |
| 26 25 13 00-0060 | EA | 30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 1,046.44 | 126.07 |
| 26 25 13 00-0061 | EA | 60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 1,151.23 | 126.07 |
| 26 25 13 00-0062 | EA | 100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 1,588.15 | 151.28 |
| 26 25 13 00-0063 | EA | 200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 2,682.44 | 302.56 |
| 26 25 13 00-0064 | EA | 400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 6,759.76 | 680.77 |
| 26 25 13 00-0065 | EA | 600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 10,137.98 | 1,185.04 |
| **26 25 13 00-0066** | | **600 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)* | | |
| 26 25 13 00-0067 | EA | 30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 1,085.61 | 138.67 |
| 26 25 13 00-0068 | EA | 60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 1,187.84 | 138.67 |
| 26 25 13 00-0069 | EA | 100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 1,599.45 | 138.67 |
| 26 25 13 00-0070 | EA | 200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 2,745.26 | 289.96 |
| 26 25 13 00-0071 | EA | 400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 6,726.09 | 655.55 |
| 26 25 13 00-0072 | EA | 600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 10,376.74 | 1,260.68 |
| 26 25 13 00-0073 | EA | 800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 16,956.94 | 1,638.87 |
| **26 25 13 00-0074** | | **120/208 Volt, 4-pole, 3 Fuse** *(26 25 13 00-0058)* | | |
| 26 25 13 00-0075 | EA | 30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 1,210.29 | 163.89 |
| 26 25 13 00-0076 | EA | 60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 1,302.34 | 163.89 |
| 26 25 13 00-0077 | EA | 100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 1,760.52 | 163.89 |
| 26 25 13 00-0078 | EA | 200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 2,983.71 | 340.38 |
| 26 25 13 00-0079 | EA | 400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 7,423.64 | 756.41 |
| 26 25 13 00-0080 | EA | 600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 10,811.69 | 1,159.82 |
| **26 25 13 00-0081** | | **277/480 Volt, 4-pole, 3-Fuse** *(26 25 13 00-0058)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 25 13 00-0082 | EA | 30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 1,249.58 | 163.89 |
| 26 25 13 00-0083 | EA | 60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 1,341.62 | 139.06 |
| 26 25 13 00-0084 | EA | 100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 1,876.57 | 189.10 |
| 26 25 13 00-0085 | EA | 200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 3,107.98 | 340.38 |
| 26 25 13 00-0086 | EA | 400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 7,423.64 | 756.41 |
| 26 25 13 00-0087 | EA | 600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 10,811.69 | 1,159.82 |
| 26 25 13 00-0088 | EA | 800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch | 17,069.69 | 1,538.02 |

## 26 25 16 Low-Voltage Cablebus Systems *(26 25)*

### 26 25 16 00-0001 Feeder Bus Duct *(26 25 16)*

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

### 26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance *(26 25 16 00-0001)*

Note: Copper conductors.

| | | | | |
|---|---|---|---|---|
| 26 25 16 00-0003 | LF | 800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports | 831.66 | 52.95 |
| | | *For Up To 25, Add* | *207.92* | |
| | | *For >25 To 50, Add* | *124.75* | |
| | | *For >50 To 100, Add* | *62.37* | |
| 26 25 16 00-0004 | LF | 1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports | 843.52 | 52.95 |
| | | *For Up To 25, Add* | *210.88* | |
| | | *For >25 To 50, Add* | *126.53* | |
| | | *For >50 To 100, Add* | *63.26* | |
| 26 25 16 00-0005 | LF | 1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports | 1,102.18 | 52.95 |
| | | *For Up To 25, Add* | *275.55* | |
| | | *For >25 To 50, Add* | *165.33* | |
| | | *For >50 To 100, Add* | *82.66* | |
| 26 25 16 00-0006 | LF | 1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports | 1,322.58 | 52.95 |
| | | *For Up To 25, Add* | *330.65* | |
| | | *For >25 To 50, Add* | *198.39* | |
| | | *For >50 To 100, Add* | *99.19* | |
| 26 25 16 00-0007 | LF | 2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports | 1,615.83 | 52.95 |
| | | *For Up To 25, Add* | *403.96* | |
| | | *For >25 To 50, Add* | *242.37* | |
| | | *For >50 To 100, Add* | *121.19* | |
| 26 25 16 00-0008 | LF | 3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports | 2,205.37 | 126.07 |
| | | *For Up To 25, Add* | *551.34* | |
| | | *For >25 To 50, Add* | *330.81* | |
| | | *For >50 To 100, Add* | *165.40* | |
| 26 25 16 00-0009 | LF | 4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports | 3,046.08 | 126.07 |
| | | *For Up To 25, Add* | *761.52* | |
| | | *For >25 To 50, Add* | *456.91* | |
| | | *For >50 To 100, Add* | *228.46* | |
| 26 25 16 00-0010 | LF | 5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports | 3,603.94 | 126.07 |
| | | *For Up To 25, Add* | *900.99* | |
| | | *For >25 To 50, Add* | *540.59* | |
| | | *For >50 To 100, Add* | *270.30* | |
| 26 25 16 00-0011 | LF | 6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports | 4,437.51 | 126.07 |
| | | *For Up To 25, Add* | *1,109.38* | |
| | | *For >25 To 50, Add* | *665.63* | |
| | | *For >50 To 100, Add* | *332.81* | |

### 26 25 16 00-0012 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 16 00-0001)*

Note: Low impedance, copper conductors.

| | | | | |
|---|---|---|---|---|
| 26 25 16 00-0013 | LF | 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports | 952.44 | 56.73 |
| | | *For Up To 25, Add* | *238.11* | |
| | | *For >25 To 50, Add* | *142.87* | |
| | | *For >50 To 100, Add* | *71.43* | |
| 26 25 16 00-0014 | LF | 1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports | 968.15 | 56.73 |
| | | *For Up To 25, Add* | *242.04* | |
| | | *For >25 To 50, Add* | *145.22* | |
| | | *For >50 To 100, Add* | *72.61* | |
| 26 25 16 00-0015 | LF | 1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports | 1,244.30 | 56.73 |
| | | *For Up To 25, Add* | *311.08* | |
| | | *For >25 To 50, Add* | *186.65* | |
| | | *For >50 To 100, Add* | *93.32* | |
| 26 25 16 00-0016 | LF | 1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports | 1,474.96 | 56.73 |
| | | *For Up To 25, Add* | *368.74* | |
| | | *For >25 To 50, Add* | *221.24* | |
| | | *For >50 To 100, Add* | *110.62* | |
| 26 25 16 00-0017 | LF | 2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports | 1,781.20 | 56.73 |
| | | *For Up To 25, Add* | *445.30* | |
| | | *For >25 To 50, Add* | *267.18* | |
| | | *For >50 To 100, Add* | *133.59* | |
| 26 25 16 00-0018 | LF | 3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports | 2,735.17 | 97.08 |
| | | *For Up To 25, Add* | *683.79* | |
| | | *For >25 To 50, Add* | *410.28* | |
| | | *For >50 To 100, Add* | *205.14* | |
| 26 25 16 00-0019 | LF | 4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports | 3,430.20 | 97.08 |
| | | *For Up To 25, Add* | *857.55* | |
| | | *For >25 To 50, Add* | *514.53* | |
| | | *For >50 To 100, Add* | *257.27* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 25 16 00-0020 | LF | 5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports | 4,059.03 | 180.27 |
| | | *For Up To 25, Add* | *1,014.76* | |
| | | *For >25 To 50, Add* | *608.85* | |
| | | *For >50 To 100, Add* | *304.43* | |
| 26 25 16 00-0021 | LF | 6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports | 5,003.78 | 180.27 |
| | | *For Up To 25, Add* | *1,250.95* | |
| | | *For >25 To 50, Add* | *750.57* | |
| | | *For >50 To 100, Add* | *375.28* | |

# 26 27 Low-Voltage Distribution Equipment *(26 20)*

## 26 27 13 Electricity Metering *(26 27)*

### 26 27 13 00-0001 Revenue Metering *(26 27 13)*

### 26 27 13 00-0002 Meter Socket Base *(26 27 13 00-0001)*

Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.

| | | | | |
|---|---|---|---|---|
| 26 27 13 00-0003 | EA | 100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass | 289.15 | 81.94 |
| 26 27 13 00-0004 | EA | 100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass | 306.67 | 81.94 |
| 26 27 13 00-0005 | EA | 150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass | 341.77 | 91.39 |
| 26 27 13 00-0006 | EA | 150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass | 353.02 | 91.39 |
| 26 27 13 00-0007 | EA | 200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass | 394.40 | 100.85 |
| 26 27 13 00-0008 | EA | 200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass | 399.38 | 100.85 |
| 26 27 13 00-0009 | EA | 200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release | 1,027.38 | 160.11 |
| 26 27 13 00-0010 | EA | 320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release | 1,313.49 | 179.02 |
| 26 27 13 00-0011 | EA | 400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release | 2,864.53 | 197.93 |
| 26 27 13 00-0012 | EA | Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base | 2,915.59 | 630.34 |

### 26 27 13 00-0013 Meter Device *(26 27 13 00-0001)*

Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.

| | | | | |
|---|---|---|---|---|
| 26 27 13 00-0014 | EA | 100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter | 287.49 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.51* | |
| 26 27 13 00-0015 | EA | 150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter | 339.99 | 26.16 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.70* | |
| 26 27 13 00-0016 | EA | 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter | 416.08 | 26.48 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.89* | |
| 26 27 13 00-0017 | EA | 200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter | 811.94 | 26.77 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *16.10* | |
| 26 27 13 00-0018 | EA | 320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter | 1,137.37 | 28.40 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.05* | |
| 26 27 13 00-0019 | EA | 400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter | 1,845.09 | 31.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.94* | |

### 26 27 13 00-0020 Current Transformer Enclosure *(26 27 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 27 13 00-0021 | EA | 18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure | 597.33 | 163.89 |

### 26 27 13 00-0022 120/240 Volt Meter Center And Main Breaker, Indoor Housing *(26 27 13 00-0001)*

### 26 27 13 00-0023 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole *(26 27 13 00-0022)*

| | | | | |
|---|---|---|---|---|
| 26 27 13 00-0024 | EA | 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max | 1,121.18 | 78.79 |
| 26 27 13 00-0025 | EA | 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max | 1,475.79 | 94.55 |
| 26 27 13 00-0026 | EA | 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max | 1,828.50 | 110.30 |
| 26 27 13 00-0027 | EA | 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max | 2,118.88 | 126.07 |
| 26 27 13 00-0028 | EA | 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max | 2,758.78 | 141.82 |
| 26 27 13 00-0029 | EA | 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max | 2,979.24 | 157.58 |
| 26 27 13 00-0030 | EA | 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max | 3,476.85 | 189.10 |

### 26 27 13 00-0031 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole *(26 27 13 00-0022)*

| | | | | |
|---|---|---|---|---|
| 26 27 13 00-0032 | EA | 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max | 2,065.90 | 78.79 |
| 26 27 13 00-0033 | EA | 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max | 2,720.92 | 94.55 |
| 26 27 13 00-0034 | EA | 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max | 3,747.57 | 126.07 |
| 26 27 13 00-0035 | EA | 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max | 4,156.94 | 141.82 |
| 26 27 13 00-0036 | EA | 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max | 5,227.64 | 157.58 |

### 26 27 13 00-0037 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0022)*

| | | | | |
|---|---|---|---|---|
| 26 27 13 00-0038 | EA | 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 1,717.02 | 110.30 |
| 26 27 13 00-0039 | EA | 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 2,254.92 | 126.07 |
| 26 27 13 00-0040 | EA | 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 2,758.78 | 141.82 |
| 26 27 13 00-0041 | EA | 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 3,243.76 | 157.58 |
| 26 27 13 00-0042 | EA | 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 4,087.73 | 173.34 |
| 26 27 13 00-0043 | EA | 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 4,289.29 | 189.10 |
| 26 27 13 00-0044 | EA | 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 5,315.91 | 220.62 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 13 00-0045 | | 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0022)* | | |
| 26 27 13 00-0046 | EA | 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 2,657.95 | 110.30 |
| 26 27 13 00-0047 | EA | 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 3,483.03 | 126.07 |
| 26 27 13 00-0048 | EA | 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 4,906.44 | 157.58 |
| 26 27 13 00-0049 | EA | 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 5,259.16 | 173.34 |
| 26 27 13 00-0050 | EA | 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 6,726.59 | 189.10 |
| 26 27 13 00-0051 | | 120/208 Volt Meter Center And Main Breaker, Indoor Housing *(26 27 13 00-0001)* | | |
| 26 27 13 00-0052 | | 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole *(26 27 13 00-0051)* | | |
| 26 27 13 00-0053 | EA | 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max | 1,220.72 | 94.55 |
| 26 27 13 00-0054 | EA | 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max | 1,596.10 | 110.30 |
| 26 27 13 00-0055 | EA | 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max | 1,969.62 | 126.07 |
| 26 27 13 00-0056 | EA | 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max | 2,286.43 | 141.82 |
| 26 27 13 00-0057 | EA | 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max | 2,809.19 | 157.58 |
| 26 27 13 00-0058 | EA | 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max | 3,029.65 | 173.34 |
| 26 27 13 00-0059 | EA | 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max | 3,735.09 | 204.86 |
| 26 27 13 00-0060 | | 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)* | | |
| 26 27 13 00-0061 | EA | 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 2,172.99 | 94.55 |
| 26 27 13 00-0062 | EA | 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 2,865.81 | 110.30 |
| 26 27 13 00-0063 | EA | 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 4,138.05 | 141.82 |
| 26 27 13 00-0064 | EA | 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 4,547.45 | 157.58 |
| 26 27 13 00-0065 | EA | 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 5,504.81 | 173.34 |
| 26 27 13 00-0066 | | 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)* | | |
| 26 27 13 00-0067 | EA | 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 1,816.59 | 126.07 |
| 26 27 13 00-0068 | EA | 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 2,362.03 | 141.82 |
| 26 27 13 00-0069 | EA | 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 2,922.59 | 157.58 |
| 26 27 13 00-0070 | EA | 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 3,407.57 | 173.34 |
| 26 27 13 00-0071 | EA | 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 4,289.34 | 189.10 |
| 26 27 13 00-0072 | EA | 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 4,490.86 | 204.86 |
| 26 27 13 00-0073 | EA | 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 5,593.11 | 236.37 |
| 26 27 13 00-0074 | | 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)* | | |
| 26 27 13 00-0075 | EA | 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 2,783.97 | 126.07 |
| 26 27 13 00-0076 | EA | 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 3,665.73 | 141.82 |
| 26 27 13 00-0077 | EA | 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 5,259.19 | 173.34 |
| 26 27 13 00-0078 | EA | 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 5,498.52 | 189.10 |
| 26 27 13 00-0079 | EA | 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 6,984.88 | 204.86 |
| 26 27 13 00-0080 | | 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)* | | |
| 26 27 13 00-0081 | | 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)* | | |
| 26 27 13 00-0082 | EA | 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 1,121.18 | 78.79 |
| 26 27 13 00-0083 | EA | 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 1,475.79 | 94.55 |
| 26 27 13 00-0084 | EA | 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 2,118.88 | 126.07 |
| 26 27 13 00-0085 | EA | 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 2,758.78 | 141.82 |
| 26 27 13 00-0086 | EA | 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 3,413.81 | 157.58 |
| 26 27 13 00-0087 | | 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)* | | |
| 26 27 13 00-0088 | EA | 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 2,065.89 | 78.79 |
| 26 27 13 00-0089 | EA | 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 2,720.91 | 94.55 |
| 26 27 13 00-0090 | EA | 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 3,936.49 | 126.07 |
| 26 27 13 00-0091 | EA | 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 4,345.89 | 141.82 |
| 26 27 13 00-0092 | EA | 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 5,227.64 | 157.58 |
| 26 27 13 00-0093 | | 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)* | | |
| 26 27 13 00-0094 | EA | 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 1,717.02 | 110.30 |
| 26 27 13 00-0095 | EA | 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 2,254.92 | 126.07 |
| 26 27 13 00-0096 | EA | 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 3,243.76 | 157.58 |
| 26 27 13 00-0097 | EA | 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 4,087.73 | 173.34 |
| 26 27 13 00-0098 | EA | 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 4,289.29 | 189.10 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 27 13 00-0099** | | **1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)* | | |
| 26 27 13 00-0100 | EA | 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 2,657.97 | 110.30 |
| 26 27 13 00-0101 | EA | 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 3,483.03 | 126.07 |
| 26 27 13 00-0102 | EA | 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 4,906.44 | 157.58 |
| 26 27 13 00-0103 | EA | 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 5,259.16 | 173.34 |
| 26 27 13 00-0104 | EA | 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 6,726.63 | 189.10 |
| **26 27 13 00-0105** | | **120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)* | | |
| **26 27 13 00-0106** | | **800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)* | | |
| 26 27 13 00-0107 | EA | 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 1,220.72 | 94.55 |
| 26 27 13 00-0108 | EA | 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 1,596.10 | 110.30 |
| 26 27 13 00-0109 | EA | 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 2,286.43 | 141.82 |
| 26 27 13 00-0110 | EA | 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 2,998.13 | 157.58 |
| 26 27 13 00-0111 | EA | 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 3,407.54 | 173.34 |
| **26 27 13 00-0112** | | **1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)* | | |
| 26 27 13 00-0113 | EA | 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 2,172.98 | 94.55 |
| 26 27 13 00-0114 | EA | 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 2,865.79 | 110.30 |
| 26 27 13 00-0115 | EA | 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 3,949.11 | 141.82 |
| 26 27 13 00-0116 | EA | 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 4,358.51 | 157.58 |
| 26 27 13 00-0117 | EA | 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity | 5,504.78 | 173.34 |
| **26 27 13 00-0118** | | **800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)* | | |
| 26 27 13 00-0119 | EA | 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 1,816.57 | 126.07 |
| 26 27 13 00-0120 | EA | 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 2,362.00 | 141.82 |
| 26 27 13 00-0121 | EA | 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 3,407.54 | 173.34 |
| 26 27 13 00-0122 | EA | 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 4,289.29 | 189.10 |
| 26 27 13 00-0123 | EA | 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 4,490.86 | 204.86 |
| **26 27 13 00-0124** | | **1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)* | | |
| 26 27 13 00-0125 | EA | 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 2,783.95 | 126.07 |
| 26 27 13 00-0126 | EA | 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 3,665.70 | 141.82 |
| 26 27 13 00-0127 | EA | 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 5,259.16 | 173.34 |
| 26 27 13 00-0128 | EA | 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 5,498.52 | 189.10 |
| 26 27 13 00-0129 | EA | 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity | 6,984.88 | 204.86 |
| **26 27 13 00-0130** | | **Watt/Hour Meters** *(26 27 13)* | | |
| 26 27 13 00-0131 | EA | Single Phase M-90 Meter, Socket, NEMA 3R Enclosure | 1,286.73 | 75.64 |
| 26 27 13 00-0132 | EA | Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure | 3,631.35 | 151.28 |
| 26 27 13 00-0133 | EA | Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure | 1,925.90 | 113.46 |
| 26 27 13 00-0134 | EA | Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure | 2,357.41 | 113.46 |
| 26 27 13 00-0135 | EA | Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure | 1,989.29 | 113.46 |
| 26 27 13 00-0136 | EA | C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure | 1,348.06 | 104.63 |
| 26 27 13 00-0137 | EA | P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure | 2,304.16 | 189.10 |
| **26 27 13 00-0138** | | **Watt/Hour Meter Systems** *(26 27 13)* Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure. | | |
| **26 27 13 00-0139** | | **Watt/Hour Meter System Without Main Breaker** *(26 27 13 00-0138)* | | |
| 26 27 13 00-0140 | EA | 400 Amperes System; 200 Amperes M-90 Meter And Enclosure | 5,893.31 | 756.53 |
| 26 27 13 00-0141 | EA | 600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure | 6,911.66 | 756.53 |
| **26 27 13 00-0142** | | **Watt/Hour Meter System With Main Breaker** *(26 27 13 00-0138)* | | |
| 26 27 13 00-0143 | EA | 400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure | 10,364.40 | 756.53 |
| 26 27 13 00-0144 | EA | 600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure | 12,584.97 | 756.53 |
| 26 27 13 00-0145 | EA | 800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure | 13,526.70 | 756.53 |
| **26 27 16** | | **Electrical Cabinets and Enclosures** *(26 27)* Note: Can be used as enclosure or pull/junction boxes. | | |
| **26 27 16 00-0001** | | **NEMA 1 Enclosures, Lockable** *(26 27 16)* | | |
| **26 27 16 00-0002** | | **Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 27 16 00-0003** | | **4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)* | | |
| 26 27 16 00-0004 | EA | 6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 80.34 | 25.21 |
| 26 27 16 00-0005 | EA | 6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 90.15 | 27.74 |
| 26 27 16 00-0006 | EA | 8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 100.04 | 30.25 |
| 26 27 16 00-0007 | EA | 8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 116.80 | 35.30 |
| 26 27 16 00-0008 | EA | 10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 127.27 | 37.82 |
| 26 27 16 00-0009 | EA | 10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 138.52 | 40.35 |
| 26 27 16 00-0010 | EA | 12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 138.12 | 40.35 |
| 26 27 16 00-0011 | EA | 12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 149.65 | 42.86 |
| 26 27 16 00-0012 | EA | 12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 161.77 | 45.39 |
| 26 27 16 00-0013 | EA | 16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 209.65 | 60.51 |
| 26 27 16 00-0014 | EA | 16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 254.34 | 73.12 |
| 26 27 16 00-0015 | EA | 18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 241.54 | 70.60 |
| **26 27 16 00-0016** | | **6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)* | | |
| 26 27 16 00-0017 | EA | 6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 100.82 | 30.25 |
| 26 27 16 00-0018 | EA | 8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 122.52 | 35.30 |
| 26 27 16 00-0019 | EA | 10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 146.20 | 42.86 |
| 26 27 16 00-0020 | EA | 10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 158.02 | 45.39 |
| 26 27 16 00-0021 | EA | 12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 170.09 | 47.90 |
| 26 27 16 00-0022 | EA | 12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 182.72 | 50.43 |
| 26 27 16 00-0023 | EA | 16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 231.90 | 65.56 |
| 26 27 16 00-0024 | EA | 16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 281.06 | 80.68 |
| 26 27 16 00-0025 | EA | 18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 271.02 | 78.17 |
| 26 27 16 00-0026 | EA | 18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 353.02 | 100.85 |
| 26 27 16 00-0027 | EA | 24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 454.18 | 115.99 |
| 26 27 16 00-0028 | EA | 24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 519.51 | 126.07 |
| 26 27 16 00-0029 | EA | 30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 578.88 | 133.63 |
| 26 27 16 00-0030 | EA | 36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure | 631.95 | 138.67 |
| 26 27 16 00-0031 | EA | 24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L) | 432.10 | 100.85 |
| **26 27 16 00-0032** | | **Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)* | | |
| **26 27 16 00-0033** | | **3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)* | | |
| 26 27 16 00-0034 | EA | 4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 55.19 | 17.65 |
| 26 27 16 00-0035 | EA | 6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 78.88 | 25.21 |
| 26 27 16 00-0036 | EA | 8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 88.00 | 27.74 |
| **26 27 16 00-0037** | | **4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)* | | |
| 26 27 16 00-0038 | EA | 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 61.70 | 20.17 |
| 26 27 16 00-0039 | EA | 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 76.48 | 25.21 |
| 26 27 16 00-0040 | EA | 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 85.45 | 27.74 |
| 26 27 16 00-0041 | EA | 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 94.56 | 30.25 |
| 26 27 16 00-0042 | EA | 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 110.34 | 35.30 |
| 26 27 16 00-0043 | EA | 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 119.88 | 37.82 |
| 26 27 16 00-0044 | EA | 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 129.92 | 40.35 |
| 26 27 16 00-0045 | EA | 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 129.55 | 40.35 |
| 26 27 16 00-0046 | EA | 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 140.03 | 42.86 |
| 26 27 16 00-0047 | EA | 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 150.81 | 45.39 |
| 26 27 16 00-0048 | EA | 16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 197.24 | 60.51 |
| 26 27 16 00-0049 | EA | 16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 244.40 | 75.64 |
| 26 27 16 00-0050 | EA | 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 226.77 | 70.60 |
| 26 27 16 00-0051 | EA | 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 293.75 | 90.77 |
| 26 27 16 00-0052 | EA | 24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 424.55 | 113.46 |
| **26 27 16 00-0053** | | **6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)* | | |
| 26 27 16 00-0054 | EA | 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 95.09 | 30.25 |
| 26 27 16 00-0055 | EA | 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 104.91 | 32.78 |
| 26 27 16 00-0056 | EA | 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 120.92 | 37.82 |
| 26 27 16 00-0057 | EA | 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 137.29 | 42.86 |
| 26 27 16 00-0058 | EA | 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 147.92 | 45.39 |
| 26 27 16 00-0059 | EA | 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 158.66 | 47.90 |
| 26 27 16 00-0060 | EA | 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 169.85 | 50.43 |
| 26 27 16 00-0061 | EA | 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 217.45 | 65.56 |
| 26 27 16 00-0062 | EA | 16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 267.17 | 80.68 |
| 26 27 16 00-0063 | EA | 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 253.88 | 78.17 |
| 26 27 16 00-0064 | EA | 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 330.12 | 100.85 |
| 26 27 16 00-0065 | EA | 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 412.55 | 115.99 |
| 26 27 16 00-0066 | EA | 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 472.99 | 126.07 |
| 26 27 16 00-0067 | EA | 30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 510.74 | 133.63 |
| 26 27 16 00-0068 | EA | 36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 558.85 | 138.67 |
| **26 27 16 00-0069** | | **8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)* | | |
| 26 27 16 00-0070 | EA | 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 137.29 | 42.86 |
| 26 27 16 00-0071 | EA | 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 187.37 | 55.47 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 16 00-0072 | EA | 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 238.20 | 70.60 |
| 26 27 16 00-0073 | EA | 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 295.63 | 88.25 |
| 26 27 16 00-0074 | EA | 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 282.51 | 85.72 |
| 26 27 16 00-0075 | EA | 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 349.98 | 105.90 |
| 26 27 16 00-0076 | EA | 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 390.22 | 121.03 |
| 26 27 16 00-0077 | EA | 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 452.91 | 128.59 |
| 26 27 16 00-0078 | EA | 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 521.58 | 138.67 |
| 26 27 16 00-0079 | EA | 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 555.00 | 146.24 |
| 26 27 16 00-0080 | EA | 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 583.14 | 151.28 |
| 26 27 16 00-0081 | EA | 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 598.68 | 151.28 |
| **26 27 16 00-0082** | | **10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)* | | |
| 26 27 16 00-0083 | EA | 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 320.66 | 95.81 |
| 26 27 16 00-0084 | EA | 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 422.08 | 123.54 |
| 26 27 16 00-0085 | EA | 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 427.08 | 131.11 |
| 26 27 16 00-0086 | EA | 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 554.78 | 141.20 |
| 26 27 16 00-0087 | EA | 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 638.63 | 156.32 |
| 26 27 16 00-0088 | EA | 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 709.04 | 161.36 |
| 26 27 16 00-0089 | EA | 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure | 756.45 | 168.93 |
| **26 27 16 00-0090** | | **12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)* | | |
| 26 27 16 00-0091 | EA | 18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure | 465.98 | 136.15 |
| 26 27 16 00-0092 | EA | 24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure | 463.90 | 143.72 |
| 26 27 16 00-0093 | EA | 24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure | 609.95 | 156.32 |
| 26 27 16 00-0094 | EA | 24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure | 697.08 | 171.45 |
| 26 27 16 00-0095 | EA | 30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure | 782.54 | 179.02 |
| 26 27 16 00-0096 | EA | 36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure | 825.43 | 186.58 |
| **26 27 16 00-0097** | | **NEMA 1 Enclosures For Up To 6 Boards, Lockable** *(26 27 16)* | | |
| **26 27 16 00-0098** | | **4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures** *(26 27 16 00-0097)* | | |
| 26 27 16 00-0099 | EA | 24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12) | 1,257.84 | 110.94 |
| **26 27 16 00-0100** | | **NEMA 12 Enclosures, Lockable** *(26 27 16)* | | |
| | | Note: Dust-tight enclosures. | | |
| **26 27 16 00-0101** | | **Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)* | | |
| **26 27 16 00-0102** | | **4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0101)* | | |
| 26 27 16 00-0103 | EA | 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure | 115.87 | 20.17 |
| 26 27 16 00-0104 | EA | 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure | 150.74 | 27.74 |
| 26 27 16 00-0105 | EA | 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure | 186.38 | 35.30 |
| 26 27 16 00-0106 | EA | 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure | 201.83 | 37.82 |
| 26 27 16 00-0107 | EA | 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure | 226.78 | 40.35 |
| 26 27 16 00-0108 | EA | 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure | 244.36 | 42.86 |
| **26 27 16 00-0109** | | **6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0101)* | | |
| 26 27 16 00-0110 | EA | 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure | 167.41 | 30.25 |
| 26 27 16 00-0111 | EA | 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure | 184.50 | 32.78 |
| **26 27 16 00-0112** | | **Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)* | | |
| **26 27 16 00-0113** | | **4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)* | | |
| 26 27 16 00-0114 | EA | 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 237.25 | 20.17 |
| 26 27 16 00-0115 | EA | 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 284.02 | 27.74 |
| 26 27 16 00-0116 | EA | 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 321.36 | 30.25 |
| 26 27 16 00-0117 | EA | 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 367.56 | 35.30 |
| 26 27 16 00-0118 | EA | 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 377.80 | 37.82 |
| 26 27 16 00-0119 | EA | 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 446.88 | 40.35 |
| 26 27 16 00-0120 | EA | 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 479.91 | 42.86 |
| 26 27 16 00-0121 | EA | 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 546.64 | 45.39 |
| **26 27 16 00-0122** | | **6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)* | | |
| 26 27 16 00-0123 | EA | 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 346.36 | 30.25 |
| 26 27 16 00-0124 | EA | 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 391.78 | 32.78 |
| 26 27 16 00-0125 | EA | 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 426.72 | 37.82 |
| 26 27 16 00-0126 | EA | 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 504.59 | 45.39 |
| 26 27 16 00-0127 | EA | 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 547.80 | 50.43 |
| 26 27 16 00-0128 | EA | 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 761.43 | 65.56 |
| 26 27 16 00-0129 | EA | 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 1,180.07 | 100.85 |
| 26 27 16 00-0130 | EA | 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 1,548.34 | 115.99 |
| 26 27 16 00-0131 | EA | 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 1,746.44 | 126.07 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 27 16 00-0132** | | **8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)* | | |
| 26 27 16 00-0133 | EA | 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 1,613.24 | 128.59 |
| 26 27 16 00-0134 | EA | 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 1,860.71 | 138.67 |
| 26 27 16 00-0135 | EA | 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 2,046.34 | 146.24 |
| 26 27 16 00-0136 | EA | 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 2,257.78 | 151.28 |
| 26 27 16 00-0137 | EA | 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure | 2,226.36 | 151.28 |
| **26 27 16 00-0138** | | **Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)* | | |
| **26 27 16 00-0139** | | **8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)* | | |
| 26 27 16 00-0140 | EA | 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure | 7,167.03 | 204.86 |
| **26 27 16 00-0141** | | **10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)* | | |
| 26 27 16 00-0142 | EA | 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure | 7,233.86 | 226.92 |
| 26 27 16 00-0143 | EA | 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure | 8,300.23 | 242.68 |
| 26 27 16 00-0144 | EA | 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure | 9,545.69 | 302.56 |
| 26 27 16 00-0145 | EA | 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure | 10,656.46 | 356.77 |
| **26 27 16 00-0146** | | **12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)* | | |
| 26 27 16 00-0147 | EA | 60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure | 7,701.19 | 356.77 |
| 26 27 16 00-0148 | EA | 60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure | 8,587.50 | 378.20 |
| 26 27 16 00-0149 | EA | 72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure | 9,757.13 | 403.42 |
| 26 27 16 00-0150 | EA | 72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure | 10,772.45 | 403.42 |
| **26 27 16 00-0151** | | **NEMA 3 Enclosures, Lockable** *(26 27 16)* Note: Can be used underground or encased in concrete. | | |
| **26 27 16 00-0152** | | **2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)* | | |
| 26 27 16 00-0153 | EA | 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 342.99 | 88.25 |
| **26 27 16 00-0154** | | **3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)* | | |
| 26 27 16 00-0155 | EA | 4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 369.34 | 88.25 |
| 26 27 16 00-0156 | EA | 5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 475.38 | 91.39 |
| 26 27 16 00-0157 | EA | 6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 493.31 | 91.39 |
| 26 27 16 00-0158 | EA | 6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 623.02 | 94.55 |
| **26 27 16 00-0159** | | **4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)* | | |
| 26 27 16 00-0160 | EA | 4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 470.54 | 91.39 |
| 26 27 16 00-0161 | EA | 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 517.41 | 91.39 |
| 26 27 16 00-0162 | EA | 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 539.47 | 94.55 |
| 26 27 16 00-0163 | EA | 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 683.46 | 94.55 |
| 26 27 16 00-0164 | EA | 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 751.82 | 100.85 |
| 26 27 16 00-0165 | EA | 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 809.50 | 107.16 |
| 26 27 16 00-0166 | EA | 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 843.75 | 107.16 |
| 26 27 16 00-0167 | EA | 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 1,006.16 | 110.30 |
| 26 27 16 00-0168 | EA | 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 1,092.57 | 113.46 |
| 26 27 16 00-0169 | EA | 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 1,500.67 | 126.07 |
| **26 27 16 00-0170** | | **6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)* | | |
| 26 27 16 00-0171 | EA | 6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 722.20 | 97.70 |
| 26 27 16 00-0172 | EA | 8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 912.25 | 110.30 |
| 26 27 16 00-0173 | EA | 8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 1,071.51 | 113.46 |
| 26 27 16 00-0174 | EA | 10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 1,237.24 | 116.61 |
| 26 27 16 00-0175 | EA | 10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 1,318.02 | 116.61 |
| 26 27 16 00-0176 | EA | 12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 1,500.24 | 126.07 |
| 26 27 16 00-0177 | EA | 12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 1,736.03 | 141.82 |
| 26 27 16 00-0178 | EA | 16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 1,635.52 | 135.52 |
| 26 27 16 00-0179 | EA | 18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 3,181.75 | 252.14 |
| 26 27 16 00-0180 | EA | 18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 5,533.31 | 315.17 |
| **26 27 16 00-0181** | | **8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)* | | |
| 26 27 16 00-0182 | EA | 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 1,330.10 | 119.76 |
| 26 27 16 00-0183 | EA | 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 2,004.09 | 157.58 |
| 26 27 16 00-0184 | EA | 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 2,037.08 | 157.58 |
| 26 27 16 00-0185 | EA | 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 2,755.83 | 236.37 |
| 26 27 16 00-0186 | EA | 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 3,640.01 | 252.14 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 16 00-0187 | EA | 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 9,271.43 | 441.24 |
| **26 27 16 00-0188** | | **10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)* | | |
| 26 27 16 00-0189 | EA | 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 4,857.19 | 315.17 |
| **26 27 16 00-0190** | | **12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)* | | |
| 26 27 16 00-0191 | EA | 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 7,488.89 | 378.20 |
| 26 27 16 00-0192 | EA | 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure | 6,152.59 | 346.69 |
| **26 27 16 00-0193** | | **NEMA 3R Enclosures, Lockable** *(26 27 16)* Note: Rain-tight enclosures. | | |
| **26 27 16 00-0194** | | **Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)* | | |
| **26 27 16 00-0195** | | **4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)* | | |
| 26 27 16 00-0196 | EA | 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 108.38 | 25.21 |
| 26 27 16 00-0197 | EA | 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 119.68 | 27.74 |
| 26 27 16 00-0198 | EA | 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 179.20 | 30.25 |
| **26 27 16 00-0199** | | **6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)* | | |
| 26 27 16 00-0200 | EA | 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 225.63 | 37.82 |
| 26 27 16 00-0201 | EA | 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 252.02 | 42.86 |
| 26 27 16 00-0202 | EA | 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 296.15 | 47.90 |
| 26 27 16 00-0203 | EA | 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 320.43 | 50.43 |
| 26 27 16 00-0204 | EA | 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 417.20 | 65.56 |
| 26 27 16 00-0205 | EA | 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 498.46 | 80.68 |
| 26 27 16 00-0206 | EA | 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 567.69 | 100.85 |
| **26 27 16 00-0207** | | **8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)* | | |
| 26 27 16 00-0208 | EA | 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 866.91 | 128.59 |
| 26 27 16 00-0209 | EA | 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 962.21 | 138.67 |
| 26 27 16 00-0210 | EA | 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,085.05 | 146.24 |
| 26 27 16 00-0211 | EA | 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,141.73 | 151.28 |
| **26 27 16 00-0212** | | **10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)* | | |
| 26 27 16 00-0213 | EA | 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,075.54 | 156.32 |
| 26 27 16 00-0214 | EA | 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,214.99 | 176.50 |
| 26 27 16 00-0215 | EA | 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,345.05 | 195.41 |
| 26 27 16 00-0216 | EA | 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,481.98 | 215.58 |
| 26 27 16 00-0217 | EA | 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,613.32 | 234.49 |
| 26 27 16 00-0218 | EA | 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 696.01 | 123.54 |
| 26 27 16 00-0219 | EA | 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,075.54 | 156.32 |
| 26 27 16 00-0220 | EA | 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,278.05 | 161.36 |
| 26 27 16 00-0221 | EA | 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,623.22 | 176.50 |
| **26 27 16 00-0222** | | **12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)* | | |
| 26 27 16 00-0223 | EA | 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,048.44 | 124.81 |
| 26 27 16 00-0224 | EA | 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,175.53 | 139.94 |
| 26 27 16 00-0225 | EA | 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,301.37 | 155.06 |
| 26 27 16 00-0226 | EA | 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,439.46 | 171.45 |
| 26 27 16 00-0227 | EA | 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,566.55 | 186.58 |
| 26 27 16 00-0228 | EA | 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 783.28 | 93.29 |
| 26 27 16 00-0229 | EA | 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,048.44 | 124.81 |
| 26 27 16 00-0230 | EA | 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,175.53 | 139.94 |
| 26 27 16 00-0231 | EA | 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,384.16 | 163.89 |
| 26 27 16 00-0232 | EA | 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,566.55 | 186.58 |
| 26 27 16 00-0233 | EA | 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,487.62 | 184.06 |
| 26 27 16 00-0234 | EA | 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,566.55 | 186.58 |
| 26 27 16 00-0235 | EA | 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,651.11 | 191.63 |
| 26 27 16 00-0236 | EA | 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,841.46 | 201.71 |
| 26 27 16 00-0237 | EA | 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure | 1,998.56 | 211.79 |
| **26 27 16 00-0238** | | **Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)* | | |
| **26 27 16 00-0239** | | **4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)* | | |
| 26 27 16 00-0240 | EA | 4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 78.41 | 20.17 |
| 26 27 16 00-0241 | EA | 6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 94.52 | 25.21 |
| 26 27 16 00-0242 | EA | 6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 104.40 | 27.74 |
| 26 27 16 00-0243 | EA | 8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 115.91 | 30.25 |
| 26 27 16 00-0244 | EA | 8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 134.55 | 35.30 |
| 26 27 16 00-0245 | EA | 10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 146.85 | 37.82 |
| 26 27 16 00-0246 | EA | 10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 160.29 | 40.35 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 16 00-0247 | EA | 12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 159.52 | 40.35 |
| 26 27 16 00-0248 | EA | 12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 174.75 | 42.86 |
| 26 27 16 00-0249 | EA | 12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 188.19 | 45.39 |
| 26 27 16 00-0250 | EA | 18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 283.70 | 70.60 |
| 26 27 16 00-0251 | EA | 18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 379.46 | 90.77 |
| **26 27 16 00-0252** | | **6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)* | | |
| 26 27 16 00-0253 | EA | 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 108.27 | 30.25 |
| 26 27 16 00-0254 | EA | 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 148.91 | 37.82 |
| 26 27 16 00-0255 | EA | 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 168.69 | 42.86 |
| 26 27 16 00-0256 | EA | 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 183.19 | 45.39 |
| 26 27 16 00-0257 | EA | 12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 182.05 | 45.39 |
| 26 27 16 00-0258 | EA | 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 197.47 | 47.90 |
| 26 27 16 00-0259 | EA | 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 213.04 | 50.43 |
| 26 27 16 00-0260 | EA | 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 278.12 | 65.56 |
| 26 27 16 00-0261 | EA | 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 319.29 | 78.17 |
| 26 27 16 00-0262 | EA | 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 427.19 | 100.85 |
| 26 27 16 00-0263 | EA | 24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 444.91 | 108.42 |
| 26 27 16 00-0264 | EA | 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 511.17 | 115.99 |
| 26 27 16 00-0265 | EA | 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 577.32 | 126.07 |
| **26 27 16 00-0266** | | **8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)* | | |
| 26 27 16 00-0267 | EA | 12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 238.78 | 55.47 |
| 26 27 16 00-0268 | EA | 18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 344.02 | 85.72 |
| 26 27 16 00-0269 | EA | 18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 472.86 | 110.94 |
| 26 27 16 00-0270 | EA | 24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 565.53 | 128.59 |
| 26 27 16 00-0271 | EA | 24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 642.15 | 138.67 |
| 26 27 16 00-0272 | EA | 30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure | 716.04 | 146.24 |
| **26 27 16 00-0273** | | **10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)* | | |
| 26 27 16 00-0274 | EA | 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 521.28 | 123.54 |
| 26 27 16 00-0275 | EA | 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 704.84 | 156.32 |
| 26 27 16 00-0276 | EA | 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 776.70 | 161.36 |
| **26 27 16 00-0277** | | **12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)* | | |
| 26 27 16 00-0278 | EA | 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 779.07 | 171.45 |
| 26 27 16 00-0279 | EA | 30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 1,102.70 | 186.58 |
| 26 27 16 00-0280 | EA | 36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 1,140.06 | 191.63 |
| 26 27 16 00-0281 | EA | 36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure | 1,340.89 | 201.71 |
| **26 27 16 00-0282** | | **Hinged Door, Stainless Steel NEMA 3R Enclosures** *(26 27 16 00-0193)* | | |
| **26 27 16 00-0283** | | **12" Depth, Hinged Door, Stainless Steel NEMA 3R Enclosures** *(26 27 16 00-0282)* | | |
| 26 27 16 00-0284 | EA | 18" x 36" x 12" Single Hinged Door, Stainless Steel NEMA 3R Enclosure | 3,701.95 | 139.94 |
| | | *For Pedestal Mounting, Add* | *1,057.23* | |
| 26 27 16 00-0285 | EA | 24" x 36" x 12" Single Hinged Door, Stainless Steel NEMA 3R Enclosure | 4,271.34 | 186.58 |
| | | *For Pedestal Mounting, Add* | *1,250.88* | |
| 26 27 16 00-0286 | EA | 36" x 36" x 12" Double Hinged Door, Stainless Steel NEMA 3R Enclosure | 5,806.92 | 201.71 |
| | | *For Pedestal Mounting, Add* | *1,557.05* | |
| **26 27 16 00-0287** | | **24" Depth, Hinged Door, Stainless Steel NEMA 3R Enclosures** *(26 27 16 00-0282)* | | |
| 26 27 16 00-0288 | EA | 18" x 36" x 24" Double Hinged Door, Stainless Steel NEMA 3R Enclosure | 5,543.69 | 209.91 |
| | | *For Pedestal Mounting, Add* | *1,503.77* | |
| 26 27 16 00-0289 | EA | 24" x 36" x 24" Double Hinged Door, Stainless Steel NEMA 3R Enclosure | 6,641.68 | 279.86 |
| | | *For Pedestal Mounting, Add* | *1,628.48* | |
| **26 27 16 00-0290** | | **NEMA 4 Enclosures, Lockable** *(26 27 16)* | | |
| | | Note: Water-tight enclosures. | | |
| **26 27 16 00-0291** | | **Hinge Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0290)* | | |
| 26 27 16 00-0292 | EA | 4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure | 115.49 | 17.65 |
| 26 27 16 00-0293 | EA | 6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure | 134.93 | 21.44 |
| 26 27 16 00-0294 | EA | 8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure | 168.78 | 27.74 |
| 26 27 16 00-0295 | EA | 6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure | 160.67 | 27.74 |
| 26 27 16 00-0296 | EA | 10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure | 214.78 | 37.82 |
| 26 27 16 00-0297 | EA | 12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure | 267.48 | 45.39 |
| 26 27 16 00-0298 | EA | 10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure | 247.15 | 42.86 |
| 26 27 16 00-0299 | EA | 12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure | 288.16 | 50.43 |
| 26 27 16 00-0300 | EA | 14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure | 338.99 | 57.99 |
| 26 27 16 00-0301 | EA | 16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure | 411.08 | 73.12 |
| **26 27 16 00-0302** | | **Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0290)* | | |
| 26 27 16 00-0303 | EA | 4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure | 106.07 | 17.65 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 16 00-0304 | EA | 6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure | 151.27 | 27.74 |
| **26 27 16 00-0305** | | **Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0290)* | | |
| 26 27 16 00-0306 | EA | 6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure | 133.32 | 24.20 |
| 26 27 16 00-0307 | EA | 8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure | 141.67 | 26.23 |
| 26 27 16 00-0308 | EA | 10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure | 174.01 | 34.29 |
| 26 27 16 00-0309 | EA | 12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure | 203.36 | 37.82 |
| 26 27 16 00-0310 | EA | 14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure | 262.89 | 47.90 |
| 26 27 16 00-0311 | EA | 16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure | 307.34 | 56.73 |
| 26 27 16 00-0312 | EA | 18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure | 433.41 | 90.77 |
| **26 27 16 00-0313** | | **NEMA 4X Enclosures, Lockable** *(26 27 16)* | | |
| | | Note: Water-tight enclosures. | | |
| **26 27 16 00-0314** | | **Clamp Cover, Aluminum NEMA 4X Enclosures** *(26 27 16 00-0313)* | | |
| 26 27 16 00-0315 | EA | 6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure | 229.14 | 20.17 |
| 26 27 16 00-0316 | EA | 6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure | 270.35 | 27.74 |
| 26 27 16 00-0317 | EA | 10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure | 342.80 | 37.82 |
| 26 27 16 00-0318 | EA | 12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure | 416.13 | 45.39 |
| 26 27 16 00-0319 | EA | 14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure | 513.14 | 57.99 |
| 26 27 16 00-0320 | EA | 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure | 606.20 | 73.12 |
| **26 27 16 00-0321** | | **Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures** *(26 27 16 00-0313)* | | |
| 26 27 16 00-0322 | EA | 4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure | 360.46 | 17.65 |
| | | *For 316 Stainless Steel, Add* | *50.61* | |
| 26 27 16 00-0323 | EA | 6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure | 467.81 | 25.21 |
| | | *For 316 Stainless Steel, Add* | *64.76* | |
| 26 27 16 00-0324 | EA | 6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure | 530.49 | 27.74 |
| | | *For 316 Stainless Steel, Add* | *73.78* | |
| 26 27 16 00-0325 | EA | 8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure | 607.81 | 30.25 |
| | | *For 316 Stainless Steel, Add* | *85.15* | |
| 26 27 16 00-0326 | EA | 10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure | 746.20 | 37.82 |
| | | *For 316 Stainless Steel, Add* | *104.26* | |
| 26 27 16 00-0327 | EA | 12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure | 1,051.95 | 47.90 |
| | | *For 316 Stainless Steel, Add* | *149.15* | |
| 26 27 16 00-0328 | EA | 14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure | 1,312.20 | 57.99 |
| | | *For 316 Stainless Steel, Add* | *186.76* | |
| 26 27 16 00-0329 | EA | 16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure | 1,580.48 | 73.12 |
| | | *For 316 Stainless Steel, Add* | *223.63* | |
| **26 27 16 00-0330** | | **Screw Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0313)* | | |
| | | Note: NEMA 3R, 4, 4X and 12 rated. | | |
| 26 27 16 00-0331 | EA | 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 154.48 | 27.74 |
| 26 27 16 00-0332 | EA | 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 174.23 | 30.25 |
| 26 27 16 00-0333 | EA | 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 199.17 | 35.30 |
| 26 27 16 00-0334 | EA | 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 216.67 | 37.82 |
| 26 27 16 00-0335 | EA | 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 250.56 | 42.86 |
| 26 27 16 00-0336 | EA | 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 234.87 | 42.86 |
| 26 27 16 00-0337 | EA | 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 274.30 | 47.90 |
| 26 27 16 00-0338 | EA | 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 344.39 | 57.99 |
| 26 27 16 00-0339 | EA | 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 438.29 | 79.42 |
| 26 27 16 00-0340 | EA | 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 560.65 | 114.34 |
| 26 27 16 00-0341 | EA | 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 166.82 | 27.74 |
| 26 27 16 00-0342 | EA | 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 188.80 | 30.25 |
| 26 27 16 00-0343 | EA | 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 214.85 | 35.30 |
| 26 27 16 00-0344 | EA | 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 235.71 | 37.82 |
| 26 27 16 00-0345 | EA | 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 270.72 | 42.86 |
| 26 27 16 00-0346 | EA | 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 253.93 | 42.86 |
| 26 27 16 00-0347 | EA | 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 300.14 | 47.90 |
| 26 27 16 00-0348 | EA | 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 357.84 | 57.99 |
| 26 27 16 00-0349 | EA | 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 466.31 | 79.42 |
| 26 27 16 00-0350 | EA | 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 590.89 | 114.34 |
| **26 27 16 00-0351** | | **Hinged Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0313)* | | |
| | | Note: NEMA 3R, 4, 4X and 12 rated. | | |
| 26 27 16 00-0352 | EA | 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 189.22 | 27.74 |
| 26 27 16 00-0353 | EA | 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 202.24 | 30.25 |
| 26 27 16 00-0354 | EA | 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 229.41 | 35.30 |
| 26 27 16 00-0355 | EA | 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 248.04 | 37.82 |
| 26 27 16 00-0356 | EA | 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 294.26 | 42.86 |
| 26 27 16 00-0357 | EA | 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 269.61 | 42.86 |
| 26 27 16 00-0358 | EA | 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 332.62 | 47.90 |
| 26 27 16 00-0359 | EA | 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 394.82 | 57.99 |
| 26 27 16 00-0360 | EA | 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 482.00 | 79.42 |
| 26 27 16 00-0361 | EA | 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover | 617.78 | 114.34 |
| 26 27 16 00-0362 | EA | 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 198.18 | 27.74 |
| 26 27 16 00-0363 | EA | 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 219.04 | 30.25 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 16 00-0364 | EA | 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 245.09 | 35.30 |
| 26 27 16 00-0365 | EA | 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 264.84 | 37.82 |
| 26 27 16 00-0366 | EA | 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 316.67 | 42.86 |
| 26 27 16 00-0367 | EA | 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 288.65 | 42.86 |
| 26 27 16 00-0368 | EA | 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 356.15 | 47.90 |
| 26 27 16 00-0369 | EA | 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 406.02 | 57.99 |
| 26 27 16 00-0370 | EA | 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 518.96 | 79.42 |
| 26 27 16 00-0371 | EA | 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover | 657.00 | 114.34 |

## 26 27 16 00-0372 NEMA 7/9 Enclosures, Lockable *(26 27 16)*

Note: Nominal inside dimensions.

### 26 27 16 00-0373 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0372)*

| | | | | |
|---|---|---|---|---|
| 26 27 16 00-0374 | EA | 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 1,568.04 | 141.82 |
| | | *For Mounting Pan, Add* | *67.99* | |
| 26 27 16 00-0375 | EA | 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 1,242.23 | 151.28 |
| | | *For Mounting Pan, Add* | *126.69* | |
| 26 27 16 00-0376 | EA | 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 2,454.83 | 170.19 |
| | | *For Mounting Pan, Add* | *174.69* | |

### 26 27 16 00-0377 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0372)*

| | | | | |
|---|---|---|---|---|
| 26 27 16 00-0378 | EA | 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 2,178.92 | 170.19 |
| | | *For Mounting Pan, Add* | *88.83* | |
| 26 27 16 00-0379 | EA | 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 2,848.93 | 174.92 |
| | | *For Mounting Pan, Add* | *174.69* | |
| 26 27 16 00-0380 | EA | 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 2,913.11 | 189.10 |
| | | *For Mounting Pan, Add* | *133.63* | |
| 26 27 16 00-0381 | EA | 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 2,990.66 | 189.10 |
| | | *For Mounting Pan, Add* | *156.35* | |
| 26 27 16 00-0382 | EA | 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 4,234.95 | 236.37 |
| | | *For Mounting Pan, Add* | *205.12* | |
| 26 27 16 00-0383 | EA | 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 3,994.32 | 212.74 |
| | | *For Mounting Pan, Add* | *128.07* | |
| 26 27 16 00-0384 | EA | 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 4,128.77 | 236.37 |
| | | *For Mounting Pan, Add* | *191.64* | |
| 26 27 16 00-0385 | EA | 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 6,365.00 | 425.47 |
| | | *For Mounting Pan, Add* | *257.82* | |
| 26 27 16 00-0386 | EA | 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 5,065.26 | 283.65 |
| | | *For Mounting Pan, Add* | *251.03* | |
| 26 27 16 00-0387 | EA | 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 6,626.23 | 472.75 |
| | | *For Mounting Pan, Add* | *230.46* | |
| 26 27 16 00-0388 | EA | 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 7,961.54 | 472.75 |
| | | *For Mounting Pan, Add* | *374.65* | |

### 26 27 16 00-0389 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0372)*

| | | | | |
|---|---|---|---|---|
| 26 27 16 00-0390 | EA | 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 3,401.56 | 212.74 |
| | | *For Mounting Pan, Add* | *133.63* | |
| 26 27 16 00-0391 | EA | 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 3,425.67 | 212.74 |
| | | *For Mounting Pan, Add* | *156.35* | |
| 26 27 16 00-0392 | EA | 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 3,884.69 | 212.74 |
| | | *For Mounting Pan, Add* | *205.12* | |
| 26 27 16 00-0393 | EA | 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 4,304.67 | 236.37 |
| | | *For Mounting Pan, Add* | *128.07* | |
| 26 27 16 00-0394 | EA | 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 6,240.66 | 425.47 |
| | | *For Mounting Pan, Add* | *191.64* | |
| 26 27 16 00-0395 | EA | 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 7,593.60 | 520.03 |
| | | *For Mounting Pan, Add* | *257.82* | |
| 26 27 16 00-0396 | EA | 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 11,968.05 | 614.58 |
| | | *For Mounting Pan, Add* | *387.73* | |
| 26 27 16 00-0397 | EA | 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 6,826.97 | 520.03 |
| | | *For Mounting Pan, Add* | *251.03* | |
| 26 27 16 00-0398 | EA | 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 7,015.87 | 520.03 |
| | | *For Mounting Pan, Add* | *230.46* | |
| 26 27 16 00-0399 | EA | 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 10,496.02 | 567.31 |
| | | *For Mounting Pan, Add* | *345.45* | |
| 26 27 16 00-0400 | EA | 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 8,658.52 | 520.03 |
| | | *For Mounting Pan, Add* | *374.65* | |
| 26 27 16 00-0401 | EA | 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 11,592.38 | 567.31 |
| | | *For Mounting Pan, Add* | *547.85* | |
| 26 27 16 00-0402 | EA | 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 11,512.18 | 567.31 |
| | | *For Mounting Pan, Add* | *730.36* | |
| 26 27 16 00-0403 | EA | 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 17,899.04 | 756.41 |
| | | *For Mounting Pan, Add* | *912.81* | |
| 26 27 16 00-0404 | EA | 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 13,614.61 | 614.58 |
| | | *For Mounting Pan, Add* | *848.76* | |
| 26 27 16 00-0405 | EA | 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 24,701.51 | 945.51 |
| | | *For Mounting Pan, Add* | *1,161.94* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 16 00-0406 | | 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0372)* | | |
| 26 27 16 00-0407 | EA | 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 12,453.98 | 614.58 |
| | | *For Mounting Pan, Add* | *387.73* | |
| 26 27 16 00-0408 | EA | 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 11,463.89 | 567.31 |
| | | *For Mounting Pan, Add* | *345.45* | |
| 26 27 16 00-0409 | EA | 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 12,490.14 | 614.58 |
| | | *For Mounting Pan, Add* | *547.85* | |
| 26 27 16 00-0410 | EA | 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 15,801.55 | 661.86 |
| | | *For Mounting Pan, Add* | *912.81* | |
| 26 27 16 00-0411 | EA | 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 13,966.20 | 661.86 |
| | | *For Mounting Pan, Add* | *848.76* | |
| 26 27 16 00-0412 | EA | 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 26,927.62 | 945.51 |
| | | *For Mounting Pan, Add* | *1,161.94* | |
| 26 27 16 00-0413 | | 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0372)* | | |
| 26 27 16 00-0414 | EA | 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure | 7,766.91 | 520.03 |
| | | *For Mounting Pan, Add* | *257.82* | |
| 26 27 16 00-0415 | | Breaker Enclosures *(26 27 16)* | | |
| | | See CSI section 26 24 16 00-0001 for lighting and power panel boards. | | |
| 26 27 16 00-0416 | | 15 To 100 Amperes, F-Frame Breaker Enclosures *(26 27 16 00-0415)* | | |
| 26 27 16 00-0417 | EA | NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure | 415.23 | 100.85 |
| 26 27 16 00-0418 | EA | NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure | 766.59 | 100.85 |
| 26 27 16 00-0419 | EA | NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure | 1,894.01 | 138.67 |
| 26 27 16 00-0420 | EA | NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure | 2,568.83 | 151.28 |
| 26 27 16 00-0421 | EA | NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure | 1,871.77 | 151.28 |
| 26 27 16 00-0422 | EA | NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure | 655.83 | 138.67 |
| 26 27 16 00-0423 | | 15 To 250 Amperes, H Or J-Frame Breaker Enclosures *(26 27 16 00-0415)* | | |
| 26 27 16 00-0424 | EA | NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure | 663.71 | 138.67 |
| 26 27 16 00-0425 | EA | NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure | 1,226.35 | 138.67 |
| 26 27 16 00-0426 | EA | NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure | 4,199.77 | 176.50 |
| 26 27 16 00-0427 | EA | NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure | 1,010.48 | 176.50 |
| 26 27 16 00-0428 | | 125 To 400 Amperes, L-Frame Breaker Enclosures *(26 27 16 00-0415)* | | |
| 26 27 16 00-0429 | EA | NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure | 1,037.08 | 277.35 |
| 26 27 16 00-0430 | EA | NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure | 2,424.52 | 277.35 |
| 26 27 16 00-0431 | EA | NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure | 7,115.09 | 352.99 |
| 26 27 16 00-0432 | EA | NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure | 1,726.02 | 352.99 |
| 26 27 16 00-0433 | | 300 To 800 Amperes, M-Frame Breaker Enclosures *(26 27 16 00-0415)* | | |
| 26 27 16 00-0434 | EA | NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure | 2,031.74 | 529.49 |
| 26 27 16 00-0435 | EA | NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure | 3,498.16 | 529.49 |
| 26 27 16 00-0436 | EA | NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure | 12,800.14 | 680.77 |
| 26 27 16 00-0437 | EA | NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure | 6,917.53 | 680.77 |
| 26 27 16 00-0438 | | 250 To 1,200 Amperes, P-Frame Breaker Enclosures *(26 27 16 00-0415)* | | |
| 26 27 16 00-0439 | EA | NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure | 2,482.51 | 529.49 |
| 26 27 16 00-0440 | EA | NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure | 4,211.03 | 529.49 |
| 26 27 16 00-0441 | EA | NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure | 8,702.54 | 680.77 |
| 26 27 16 00-0442 | | Legend Plates *(26 27 16)* | | |
| 26 27 16 00-0443 | EA | 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters | 21.19 | 6.30 |
| 26 27 16 00-0444 | EA | 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters | 30.03 | 6.30 |
| **26 27 19** | | **Multi-Outlet Assemblies** *(26 27)* | | |
| 26 27 19 00-0001 | | Surface Metal Raceway, Preassembled With Outlets *(26 27 19)* | | |
| | | Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal). | | |
| 26 27 19 00-0002 | LF | Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center | 29.02 | 9.20 |
| | | *For Concrete Or Masonry Surface, Add* | *0.92* | |
| 26 27 19 00-0003 | LF | Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center | 22.37 | 6.55 |
| | | *For Concrete Or Masonry Surface, Add* | *0.66* | |
| 26 27 19 00-0004 | LF | Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center | 21.22 | 6.93 |
| | | *For Concrete Or Masonry Surface, Add* | *0.69* | |
| 26 27 19 00-0005 | LF | Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center | 23.16 | 6.55 |
| | | *For Concrete Or Masonry Surface, Add* | *0.66* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 19 00-0006 | LF | Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center | 19.10 | 6.68 |
| | | *For Concrete Or Masonry Surface, Add* | *0.67* | |
| 26 27 19 00-0007 | LF | Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center | 25.75 | 6.55 |
| | | *For Concrete Or Masonry Surface, Add* | *0.66* | |
| 26 27 19 00-0008 | LF | Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center | 22.92 | 6.55 |
| | | *For Concrete Or Masonry Surface, Add* | *0.66* | |
| 26 27 19 00-0009 | LF | Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center | 24.63 | 6.55 |
| | | *For Concrete Or Masonry Surface, Add* | *0.66* | |

## 26 27 23 Indoor Service Poles *(26 27)*

### 26 27 23 00-0001 Communication And Power Poles *(26 27 23)*

Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.

### 26 27 23 00-0002 Steel Communication And Power Poles *(26 27 23 00-0001)*

### 26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

### 26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*

| | | | | |
|---|---|---|---|---|
| 26 27 23 00-0005 | EA | 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole | 333.08 | 55.87 |
| 26 27 23 00-0006 | EA | 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole | 361.83 | 55.87 |
| 26 27 23 00-0007 | EA | 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole | 395.09 | 55.87 |

### 26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*

Note: Excludes receptacles, communication jacks and wiring.

| | | | | |
|---|---|---|---|---|
| 26 27 23 00-0009 | EA | Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle | 68.20 | 11.52 |
| 26 27 23 00-0010 | EA | Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles | 59.12 | 11.52 |
| 26 27 23 00-0011 | EA | Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle | 66.94 | 11.52 |
| 26 27 23 00-0012 | EA | Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices | 49.60 | 11.52 |
| 26 27 23 00-0013 | EA | Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting | 40.85 | 11.52 |

### 26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

### 26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*

| | | | | |
|---|---|---|---|---|
| 26 27 23 00-0016 | EA | 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole | 431.69 | 55.87 |
| 26 27 23 00-0017 | EA | 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole | 493.50 | 55.87 |
| 26 27 23 00-0018 | EA | 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole | 526.85 | 55.87 |

### 26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*

Note: Excludes receptacles and communication jacks.

| | | | | |
|---|---|---|---|---|
| 26 27 23 00-0020 | EA | Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle | 45.73 | 11.52 |
| 26 27 23 00-0021 | EA | Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle | 41.12 | 11.52 |
| 26 27 23 00-0022 | EA | Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices | 44.42 | 11.52 |

### 26 27 23 00-0023 3" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

### 26 27 23 00-0024 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*

| | | | | |
|---|---|---|---|---|
| 26 27 23 00-0025 | EA | 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole | 562.66 | 55.87 |
| 26 27 23 00-0026 | EA | 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole | 637.06 | 55.87 |
| 26 27 23 00-0027 | EA | 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole | 686.09 | 55.87 |

### 26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*

Note: Excludes receptacles and communication jacks.

| | | | | |
|---|---|---|---|---|
| 26 27 23 00-0029 | EA | Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle | 45.73 | 11.52 |
| 26 27 23 00-0030 | EA | Add-On 3" Width Steel Cover Plate For One Duplex Receptacle | 41.12 | 11.52 |
| 26 27 23 00-0031 | EA | Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices | 44.42 | 11.52 |

### 26 27 23 00-0032 Aluminum Communication And Power Poles *(26 27 23 00-0001)*

### 26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*

### 26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*

| | | | | |
|---|---|---|---|---|
| 26 27 23 00-0035 | EA | 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole | 451.04 | 55.87 |
| 26 27 23 00-0036 | EA | 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole | 503.06 | 55.87 |
| 26 27 23 00-0037 | EA | 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole | 561.36 | 55.87 |

### 26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 23 00-0039 | EA | Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle | 69.97 | 11.52 |
| 26 27 23 00-0040 | EA | Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles | 71.44 | 11.52 |
| 26 27 23 00-0041 | EA | Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle | 76.33 | 11.52 |
| 26 27 23 00-0042 | EA | Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices | 52.34 | 11.52 |
| 26 27 23 00-0043 | EA | Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting | 40.85 | 11.52 |
| 26 27 23 00-0044 | | 2-1/4" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)* | | |
| 26 27 23 00-0045 | EA | 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole | 434.80 | 55.87 |
| 26 27 23 00-0046 | EA | 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole | 488.15 | 55.87 |
| 26 27 23 00-0047 | EA | 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole | 550.99 | 55.87 |
| 26 27 23 00-0048 | | 5" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)* | | |
| 26 27 23 00-0049 | EA | 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole | 909.96 | 55.87 |
| 26 27 23 00-0050 | EA | 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole | 1,040.79 | 55.87 |
| 26 27 23 00-0051 | EA | 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole | 1,187.32 | 55.87 |
| 26 27 23 00-0052 | | 2" Diameter, Round Aluminum Communication And Power Pole *(26 27 23 00-0032)* | | |
| 26 27 23 00-0053 | EA | 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole | 494.42 | 55.87 |
| 26 27 23 00-0054 | EA | 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole | 468.06 | 55.87 |
| 26 27 23 00-0055 | EA | 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole | 599.64 | 55.87 |
| **26 27 26** | | **Wiring Devices** *(26 27)*<br>Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box. | | |
| 26 27 26 00-0001 | | Receptacles *(26 27 26)* | | |
| 26 27 26 00-0002 | | General Use Receptacles *(26 27 26 00-0001)* | | |
| 26 27 26 00-0003 | | Receptacle Assemblies *(26 27 26 00-0002)*<br>Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate. | | |
| 26 27 26 00-0004 | EA | 15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly | 99.50 | 44.76 |
| 26 27 26 00-0005 | EA | 20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly | 106.76 | 47.90 |
| 26 27 26 00-0006 | EA | 15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly | 128.59 | 57.36 |
| 26 27 26 00-0007 | EA | 20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly | 143.11 | 63.67 |
| 26 27 26 00-0008 | EA | 15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly | 112.45 | 44.76 |
| 26 27 26 00-0009 | EA | 20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly | 120.40 | 47.90 |
| 26 27 26 00-0010 | | Receptacle Components *(26 27 26 00-0002)* | | |
| 26 27 26 00-0011 | EA | 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle | 28.74 | 12.61 |
| 26 27 26 00-0012 | EA | 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle | 27.99 | 12.61 |
| 26 27 26 00-0013 | EA | 15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle | 32.44 | 12.61 |
| 26 27 26 00-0014 | EA | 15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle | 35.02 | 12.61 |
| 26 27 26 00-0015 | EA | 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle | 44.61 | 15.75 |
| 26 27 26 00-0016 | EA | 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle | 53.07 | 15.75 |
| 26 27 26 00-0017 | EA | 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle | 29.74 | 12.61 |
| 26 27 26 00-0018 | EA | 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle | 28.94 | 12.61 |
| 26 27 26 00-0019 | EA | 20 Amperes, 120/277 Volt, Single Receptacle | 40.56 | 12.61 |
| 26 27 26 00-0020 | EA | 20 Amperes, 120/277 Volt, Duplex Receptacle | 34.21 | 12.61 |
| 26 27 26 00-0021 | EA | 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle | 44.61 | 15.75 |
| 26 27 26 00-0022 | EA | 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle | 53.07 | 15.75 |
| 26 27 26 00-0023 | EA | 20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle | 80.21 | 15.75 |
| 26 27 26 00-0024 | EA | 20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle | 80.21 | 15.75 |
| 26 27 26 00-0025 | EA | 25 Amperes, 120/277 Volt, Duplex Receptacle | 69.09 | 18.91 |
| 26 27 26 00-0026 | | Specialty Receptacles *(26 27 26 00-0001)* | | |
| 26 27 26 00-0027 | | Specialty Receptacles *(26 27 26 00-0026)* | | |
| 26 27 26 00-0028 | EA | 30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle | 63.32 | 22.06 |
| 26 27 26 00-0029 | EA | 30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle | 63.32 | 22.06 |
| 26 27 26 00-0030 | EA | 30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles | 87.21 | 22.06 |
| 26 27 26 00-0031 | EA | 30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle | 92.81 | 22.06 |
| 26 27 26 00-0032 | EA | 30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle | 99.12 | 25.21 |
| 26 27 26 00-0033 | EA | 50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle | 92.08 | 25.21 |
| 26 27 26 00-0034 | EA | 50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle | 90.10 | 25.21 |
| 26 27 26 00-0035 | EA | 50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle | 79.88 | 25.21 |
| 26 27 26 00-0036 | EA | 50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle | 105.60 | 25.21 |
| 26 27 26 00-0037 | EA | 50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle | 109.94 | 25.21 |
| 26 27 26 00-0038 | EA | 50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle | 116.24 | 28.36 |
| 26 27 26 00-0039 | EA | 60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle | 127.94 | 31.52 |
| 26 27 26 00-0040 | EA | 60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle | 140.55 | 37.82 |
| 26 27 26 00-0041 | EA | 100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete | 1,314.94 | 296.26 |
| 26 27 26 00-0042 | EA | 400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete | 3,117.95 | 362.44 |
| 26 27 26 00-0043 | EA | 30 Amperes, 230 Volt, Dryer Receptacle | 75.26 | 25.21 |
| 26 27 26 00-0044 | EA | 60 Amperes, 230 Volt, Range Receptacle | 110.42 | 37.82 |
| 26 27 26 00-0045 | EA | 15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle | 68.49 | 15.75 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 26 00-0046 | EA | Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete | 1,400.07 | 383.90 |
| **26 27 26 00-0047** | | **Isolated Ground Receptacles** *(26 27 26 00-0026)* | | |
| 26 27 26 00-0048 | EA | 15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex<br>Note: 2 Pole, 3 wire. | 97.28 | 12.61 |
| 26 27 26 00-0049 | EA | 20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex | 58.86 | 15.75 |
| 26 27 26 00-0050 | EA | 20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex | 58.66 | 15.75 |
| 26 27 26 00-0051 | EA | 30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex | 82.45 | 25.21 |
| 26 27 26 00-0052 | EA | Locking 15 Amperes, 250 Volt Isolated Ground Receptacles | 65.37 | 15.75 |
| 26 27 26 00-0053 | EA | Locking 15 Amperes, 277 Volt Isolated Ground Receptacles | 60.30 | 15.75 |
| 26 27 26 00-0054 | EA | Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles | 82.45 | 18.91 |
| 26 27 26 00-0055 | EA | Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles | 66.67 | 18.91 |
| 26 27 26 00-0056 | EA | Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles | 84.32 | 18.91 |
| 26 27 26 00-0057 | EA | Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles | 101.53 | 18.91 |
| 26 27 26 00-0058 | EA | Locking 30 Amperes, 277 Volt Isolated Ground Receptacles | 102.00 | 25.21 |
| **26 27 26 00-0059** | | **Explosion Proof Receptacle Assembly** *(26 27 26 00-0026)* | | |
| 26 27 26 00-0060 | EA | 1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly | 986.03 | 31.52 |
| 26 27 26 00-0061 | EA | 3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly | 907.90 | 34.66 |
| 26 27 26 00-0062 | EA | 3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly | 1,508.87 | 63.03 |
| 26 27 26 00-0063 | EA | 3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly | 1,902.43 | 63.03 |
| 26 27 26 00-0064 | EA | 1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly | 2,405.69 | 94.55 |
| 26 27 26 00-0065 | EA | 1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly | 2,291.76 | 94.55 |
| **26 27 26 00-0066** | | **Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0026)* | | |
| 26 27 26 00-0067 | EA | 15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle | 37.79 | 15.75 |
| 26 27 26 00-0068 | EA | 20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle | 55.19 | 18.91 |
| **26 27 26 00-0069** | | **Arc Fault Circuit Interrupter (AFCI)** *(26 27 26 00-0026)* | | |
| 26 27 26 00-0070 | EA | 15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle | 66.04 | 15.75 |
| 26 27 26 00-0071 | EA | 20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle | 72.31 | 15.75 |
| **26 27 26 00-0072** | | **Locking Receptacle** *(26 27 26 00-0026)* | | |
| 26 27 26 00-0073 | EA | NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle | 58.58 | 15.75 |
| 26 27 26 00-0074 | EA | NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle | 72.62 | 15.75 |
| 26 27 26 00-0075 | EA | NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle | 64.72 | 18.91 |
| 26 27 26 00-0076 | EA | NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle | 64.10 | 18.91 |
| 26 27 26 00-0077 | EA | NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle | 76.45 | 18.91 |
| 26 27 26 00-0078 | EA | NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle | 92.42 | 18.91 |
| 26 27 26 00-0079 | EA | NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle | 90.65 | 18.91 |
| 26 27 26 00-0080 | EA | NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle | 78.98 | 18.91 |
| 26 27 26 00-0081 | EA | NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle | 89.48 | 25.21 |
| 26 27 26 00-0082 | EA | NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle | 90.97 | 25.21 |
| 26 27 26 00-0083 | EA | NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle | 108.97 | 25.21 |
| **26 27 26 00-0084** | | **Weathertight Pin And Sleeve Receptacle** *(26 27 26 00-0026)* | | |
| 26 27 26 00-0085 | EA | 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W) | 290.44 | 63.03 |
| 26 27 26 00-0086 | EA | 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W) | 289.76 | 63.03 |
| 26 27 26 00-0087 | EA | 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W) | 302.58 | 63.03 |
| 26 27 26 00-0088 | EA | 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W) | 369.55 | 69.34 |
| 26 27 26 00-0089 | EA | 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W) | 370.62 | 69.34 |
| 26 27 26 00-0090 | EA | 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W) | 368.15 | 69.34 |
| 26 27 26 00-0091 | EA | 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W) | 441.55 | 77.53 |
| 26 27 26 00-0092 | EA | 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W) | 420.70 | 77.53 |
| 26 27 26 00-0093 | EA | 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W) | 453.34 | 77.53 |
| 26 27 26 00-0094 | EA | 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W) | 457.55 | 85.09 |
| 26 27 26 00-0095 | EA | 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W) | 457.15 | 85.09 |
| 26 27 26 00-0096 | EA | 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W) | 460.10 | 85.09 |
| 26 27 26 00-0097 | EA | 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W) | 644.69 | 100.85 |
| 26 27 26 00-0098 | EA | 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W) | 619.44 | 100.85 |
| 26 27 26 00-0099 | EA | 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W) | 635.88 | 100.85 |
| 26 27 26 00-0100 | EA | 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W) | 708.13 | 112.20 |
| 26 27 26 00-0101 | EA | 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W) | 708.62 | 112.20 |
| 26 27 26 00-0102 | EA | 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W) | 709.10 | 112.20 |
| 26 27 26 00-0103 | EA | 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W) | 788.12 | 126.07 |
| 26 27 26 00-0104 | EA | 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W) | 820.49 | 126.07 |
| 26 27 26 00-0105 | EA | 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W) | 882.56 | 138.67 |
| 26 27 26 00-0106 | EA | 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W) | 880.13 | 138.67 |
| 26 27 26 00-0107 | EA | 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W) | 884.70 | 138.67 |
| **26 27 26 00-0108** | | **Corrosion Resistant Receptacle** *(26 27 26 00-0026)* | | |
| 26 27 26 00-0109 | EA | 15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles | 70.36 | 12.61 |
| 26 27 26 00-0110 | EA | 15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles | 138.21 | 15.75 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 27 26 00-0111** | | **Tamper Resistant Receptacle** *(26 27 26 00-0026)* | | |
| 26 27 26 00-0112 | EA | 15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle<br>Note: Pass & Seymour 3232-TR. | 31.24 | 12.61 |
| 26 27 26 00-0113 | EA | 20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle<br>Note: Pass & Seymour TR20. | 34.34 | 12.61 |
| 26 27 26 00-0114 | EA | 15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle<br>Note: Pass & Seymour TR5251. | 43.25 | 12.61 |
| 26 27 26 00-0115 | EA | 20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle<br>Note: Pass & Seymour TR5351. | 47.42 | 12.61 |
| 26 27 26 00-0116 | EA | 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle<br>Note: Pass & Seymour S1595-TR*CC8. | 72.51 | 12.61 |
| 26 27 26 00-0117 | EA | 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle<br>Note: Pass & Seymour 1595-TRS. | 78.50 | 12.61 |
| 26 27 26 00-0118 | EA | 20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle<br>Note: Pass & Seymour 2095-TRS. | 84.20 | 12.61 |
| **26 27 26 00-0119** | | **USB Charger/Duplex Tamper-Resistant Receptacles** *(26 27 26 00-0026)* | | |
| 26 27 26 00-0120 | EA | 15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle | 74.70 | 12.61 |
| 26 27 26 00-0121 | EA | 20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle | 80.88 | 12.61 |
| **26 27 26 00-0122** | | **Television Receptacle** *(26 27 26 00-0001)* | | |
| 26 27 26 00-0123 | EA | TV Receptacle With Cover (Type F), Complete | 77.47 | 29.25 |
| **26 27 26 00-0124** | | **Switches** *(26 27 26)* | | |
| **26 27 26 00-0125** | | **Switches** *(26 27 26 00-0124)* | | |
| **26 27 26 00-0126** | | **Switch Assemblies** *(26 27 26 00-0125)*<br>Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate. | | |
| 26 27 26 00-0127 | EA | 1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly | 102.41 | 44.12 |
| 26 27 26 00-0128 | EA | 1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly | 110.44 | 47.90 |
| 26 27 26 00-0129 | EA | 2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly | 137.55 | 57.67 |
| 26 27 26 00-0130 | EA | 2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly | 151.09 | 63.98 |
| 26 27 26 00-0131 | EA | 3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly | 234.85 | 98.96 |
| 26 27 26 00-0132 | EA | 3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly | 255.17 | 108.42 |
| 26 27 26 00-0133 | EA | 4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly | 270.15 | 111.89 |
| 26 27 26 00-0134 | EA | 4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly | 297.24 | 124.49 |
| **26 27 26 00-0135** | | **Switch Components** *(26 27 26 00-0125)* | | |
| 26 27 26 00-0136 | EA | 15 Amperes, 120/277 Volt, SPST Switch | 32.15 | 12.61 |
| 26 27 26 00-0137 | EA | 15 Amperes, 120/277 Volt, 3-Way Switch | 40.64 | 15.75 |
| 26 27 26 00-0138 | EA | 15 Amperes, 120/277 Volt, 4-Way Switch | 76.90 | 25.21 |
| 26 27 26 00-0139 | EA | 15 Amperes, 120/277 Volt, DPST Switch | 36.19 | 12.61 |
| 26 27 26 00-0140 | EA | 15 Amperes, 120/277 Volt, Thermal Switch | 66.03 | 15.75 |
| 26 27 26 00-0141 | EA | 20 Amperes, 120/277 Volt, SPST Switch | 38.93 | 15.75 |
| 26 27 26 00-0142 | EA | 20 Amperes, 120/277 Volt, 3-Way Switch | 47.95 | 18.91 |
| 26 27 26 00-0143 | EA | 20 Amperes, 120/277 Volt, 4-Way Switch | 100.92 | 25.21 |
| 26 27 26 00-0144 | EA | 20 Amperes, 120/277 Volt, DPST Switch | 45.40 | 15.75 |
| 26 27 26 00-0145 | EA | 20 Amperes, 120/277 Volt, DPDT Switch | 48.27 | 15.75 |
| 26 27 26 00-0146 | EA | 15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch | 89.80 | 15.78 |
| 26 27 26 00-0147 | EA | 15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch | 113.42 | 15.78 |
| 26 27 26 00-0148 | EA | Momentary Contact Switch With Separate Neon Pilot<br>Note: Neon Pilot is 125 V, 1 / 125W. | 86.20 | 18.94 |
| 26 27 26 00-0149 | EA | 20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off<br>Note: Or 250 VAC 10 Amp, double throw BAT handle. | 58.50 | 22.06 |
| 26 27 26 00-0150 | EA | 20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch<br>Note: Or 250 VAC 10 Amp, with center off double throw BAT handle. | 71.38 | 25.21 |
| 26 27 26 00-0151 | EA | 20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch<br>Note: Or 250 VAC 10 Amp, with center off double throw BAT handle. | 100.98 | 25.21 |
| 26 27 26 00-0152 | EA | 30 Amperes, 120/277 Volt, Single Pole, Local Switch | 89.72 | 25.25 |
| 26 27 26 00-0153 | EA | 30 Amperes, 120/277 Volt, Double Pole, Local Switch | 110.96 | 25.25 |
| 26 27 26 00-0154 | EA | 30 Amperes, 120/277 Volt, Three-Way Local Switch | 115.73 | 31.57 |
| 26 27 26 00-0155 | EA | 30 Amperes, 120/277 Volt, Four-Way Local Switch | 162.12 | 34.72 |
| 26 27 26 00-0156 | EA | 15 Amperes, 120/277 Volt, Local Switch With Neon Pilot | 76.19 | 20.65 |
| 26 27 26 00-0157 | EA | 15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot<br>Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation. | 108.55 | 20.65 |
| 26 27 26 00-0158 | EA | 15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch | 94.60 | 20.65 |
| 26 27 26 00-0159 | EA | 15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch | 89.80 | 20.65 |
| 26 27 26 00-0160 | EA | 6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch | 100.87 | 10.23 |
| 26 27 26 00-0161 | EA | 6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch | 107.38 | 10.23 |
| 26 27 26 00-0162 | EA | 15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch | 113.42 | 39.40 |
| 26 27 26 00-0163 | EA | Three Position, Center Off, Key Operated, Momentary Contact Switch<br>Note: 15A, 120/277 V, Single Pole | 137.04 | 39.40 |
| 26 27 26 00-0164 | EA | Single Pole, Slide Dimmer (Leviton IP710-LFZ) | 164.59 | 12.63 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 26 00-0165 | EA | 8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH) | 83.24 | 12.63 |
| 26 27 26 00-0166 | EA | 120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH) | 279.18 | 12.61 |
| 26 27 26 00-0167 | EA | 120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH) | 50.01 | 12.61 |
| 26 27 26 00-0168 | EA | 1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV) | 88.61 | 12.63 |
| 26 27 26 00-0169 | EA | 1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000) | 101.44 | 12.63 |
| 26 27 26 00-0170 | EA | 2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000) | 129.44 | 12.63 |
| 26 27 26 00-0171 | EA | Wireless Single Rocker Remote Switch (Leviton WSS0S-S9) | 169.52 | 12.63 |
| **26 27 26 00-0172** | | **Specialty Switches** *(26 27 26 00-0124)* | | |
| **26 27 26 00-0173** | | **Dimmers With SPST Switch** *(26 27 26 00-0172)* | | |
| 26 27 26 00-0174 | EA | 600 Watt Dimmers With SPST Switch | 71.74 | 28.36 |
| 26 27 26 00-0175 | EA | 1,000 Watt Dimmers With SPST Switch | 118.57 | 28.36 |
| 26 27 26 00-0176 | EA | 1,500 Watt Dimmers With SPST Switch | 212.25 | 45.64 |
| 26 27 26 00-0177 | EA | 2,000 Watt Dimmers With SPST Switch | 272.01 | 45.64 |
| 26 27 26 00-0178 | EA | 600 Watt Fluorescent Dimmer Switch | 153.40 | 33.66 |
| 26 27 26 00-0179 | EA | 1,000 Watt Fluorescent Dimmer Switch | 204.82 | 33.66 |
| 26 27 26 00-0180 | EA | 1,500 Watt Fluorescent Dimmer Switch | 368.33 | 50.81 |
| 26 27 26 00-0181 | EA | Remote Speed Switch For Paddle Fan | 117.05 | 41.98 |
| 26 27 26 00-0182 | EA | 600 Watt Combination Remote Speed Switch/Incandescent Dimmer | 191.49 | 62.65 |
| **26 27 26 00-0183** | | **Time Switches** *(26 27 26 00-0172)* | | |
| 26 27 26 00-0184 | EA | 40 Amperes, 125 Volt, SPST, Standard Time Switch | 129.74 | 37.82 |
| 26 27 26 00-0185 | EA | 40 Amperes, 277 Volt, SPST, Standard Time Switch | 132.44 | 37.82 |
| 26 27 26 00-0186 | EA | 40 Amperes, 125 Volt, DPST, Standard Time Switch | 129.74 | 37.82 |
| 26 27 26 00-0187 | EA | 40 Amperes, 277 Volt, DPST, Standard Time Switch | 132.44 | 37.82 |
| 26 27 26 00-0188 | EA | 40 Amperes, 125 Volt, SPST, 7-Day Time Switch | 147.77 | 37.82 |
| 26 27 26 00-0189 | EA | 40 Amperes, 277 Volt, SPST, 7-Day Time Switch | 147.77 | 37.82 |
| 26 27 26 00-0190 | EA | 40 Amperes, 125 Volt, DPDT, 7-Day Time Switch | 254.16 | 37.82 |
| 26 27 26 00-0191 | EA | 40 Amperes, 277 Volt, DPDT, 7-Day Time Switch | 254.16 | 37.82 |
| 26 27 26 00-0192 | EA | 20 Amperes, 125 Volt, SPST, Programmable Time Switch | 220.02 | 37.82 |
| 26 27 26 00-0193 | EA | 20 Amperes, 277 Volt, SPST, Programmable Time Switch | 240.87 | 37.82 |
| 26 27 26 00-0194 | EA | 20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch | 240.87 | 37.82 |
| 26 27 26 00-0195 | EA | 40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch | 290.13 | 37.82 |
| 26 27 26 00-0196 | EA | 40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch | 298.42 | 37.82 |
| 26 27 26 00-0197 | EA | 40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch | 129.74 | 37.82 |
| 26 27 26 00-0198 | EA | 40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch | 132.44 | 37.82 |
| 26 27 26 00-0199 | EA | 40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch | 129.74 | 37.82 |
| 26 27 26 00-0200 | EA | 40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch | 132.44 | 37.82 |
| 26 27 26 00-0201 | EA | 40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch | 147.77 | 37.82 |
| 26 27 26 00-0202 | EA | 40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch | 147.77 | 37.82 |
| 26 27 26 00-0203 | EA | 40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch | 254.16 | 37.82 |
| 26 27 26 00-0204 | EA | 40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch | 254.16 | 37.82 |
| 26 27 26 00-0205 | EA | 40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch | 290.13 | 37.82 |
| 26 27 26 00-0206 | EA | 40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch | 298.42 | 37.82 |
| **26 27 26 00-0207** | | **Low Voltage Switching** *(26 27 26 00-0172)* | | |
| 26 27 26 00-0208 | EA | 36 Pin Male Or Female Connector | 200.10 | 12.61 |
| **26 27 26 00-0209** | | **Other Switches** *(26 27 26 00-0172)* | | |
| 26 27 26 00-0210 | EA | Pull Chain Switch 120/277 Volt AC Installed In Light Fixture | 41.18 | 18.91 |
| 26 27 26 00-0211 | EA | SPST Locking Switch For Concealed Devices | 124.09 | 50.43 |
| 26 27 26 00-0212 | EA | 3-Way Locking Switch For Concealed Devices | 125.55 | 50.43 |
| 26 27 26 00-0213 | EA | Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard | 135.52 | 47.15 |
| 26 27 26 00-0214 | EA | 15 Amperes Momentary Contact Switch | 129.61 | 47.15 |
| 26 27 26 00-0215 | EA | 20 Amperes Momentary Contact Switch | 135.83 | 47.15 |
| 26 27 26 00-0216 | EA | 2-1/4" Handy Box Cover Units Fuseholder Switch | 130.98 | 56.82 |
| 26 27 26 00-0217 | EA | 2-3/4" Handy Box Cover Units Fuseholder Switch | 132.72 | 56.82 |
| 26 27 26 00-0218 | EA | 4" Square Box Cover Units With 2 Fuseholders And 2 Switches | 163.17 | 69.45 |
| 26 27 26 00-0219 | EA | 4" Square Box Cover Units With 1 Fuseholder And 1 Switch | 148.38 | 63.13 |
| 26 27 26 00-0220 | EA | 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch | 148.81 | 63.13 |
| **26 27 26 00-0221** | | **Line-Voltage Dimming Wall Switch** *(26 27 26 00-0172)* | | |
| 26 27 26 00-0222 | EA | Low-Voltage, Magnetic, Slide-To-Off, LED Dimmer Switch With Cover (Lutron Nova T) | 156.39 | 15.75 |
| **26 27 26 00-0223** | | **Plates And Covers** *(26 27 26)* | | |
| **26 27 26 00-0224** | | **Wall Plates** *(26 27 26 00-0223)* | | |
| **26 27 26 00-0225** | | **Nylon Wall Plates** *(26 27 26 00-0224)* | | |
| 26 27 26 00-0226 | EA | 1 Gang Nylon Switch Wall Plates | 2.03 | 0.63 |
| 26 27 26 00-0227 | EA | 2 Gang Nylon Switch Wall Plates | 3.45 | 0.94 |
| 26 27 26 00-0228 | EA | 3 Gang Nylon Switch Wall Plates | 4.91 | 1.26 |
| 26 27 26 00-0229 | EA | 4 Gang Nylon Switch Wall Plate | 7.08 | 1.58 |
| 26 27 26 00-0230 | EA | 1 Gang Duplex Nylon Wall Plate | 2.05 | 0.63 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 26 00-0231 | EA | 2 Gang Duplex Nylon Wall Plate | 3.54 | 0.94 |
| **26 27 26 00-0232** | | **Plastic Wall Plates** *(26 27 26 00-0224)* | | |
| 26 27 26 00-0233 | EA | 1 Gang Plastic Switch Wall Plates | 1.88 | 0.63 |
| 26 27 26 00-0234 | EA | 2 Gang Plastic Switch Wall Plates | 3.14 | 0.94 |
| 26 27 26 00-0235 | EA | 3 Gang Plastic Switch Wall Plates | 4.41 | 1.26 |
| 26 27 26 00-0236 | EA | 4 Gang Plastic Switch Wall Plates | 7.08 | 1.58 |
| 26 27 26 00-0237 | EA | 1 Gang Duplex Plastic Wall Plate | 1.88 | 0.63 |
| 26 27 26 00-0238 | EA | 2 Gang Duplex Plastic Wall Plate | 3.15 | 0.94 |
| **26 27 26 00-0239** | | **Brass Wall Plates** *(26 27 26 00-0224)* | | |
| 26 27 26 00-0240 | EA | 1 Gang, 0.04" Brass Switch Wall Plates | 20.25 | 2.84 |
| 26 27 26 00-0241 | EA | 2 Gang, 0.04" Brass Switch Wall Plates | 38.18 | 3.28 |
| 26 27 26 00-0242 | EA | 3 Gang, 0.04" Brass Switch Wall Plates | 56.00 | 3.66 |
| 26 27 26 00-0243 | EA | 4 Gang, 0.04" Brass Switch Wall Plates | 87.31 | 3.97 |
| 26 27 26 00-0244 | EA | 5 Gang, 0.04" Brass Switch Wall Plates | 106.41 | 4.23 |
| 26 27 26 00-0245 | EA | 6 Gang, 0.04" Brass Switch Wall Plates | 123.22 | 4.42 |
| 26 27 26 00-0246 | EA | 1 Gang, 0.04" Brass Duplex Receptacle Wall Plate | 20.25 | 2.84 |
| 26 27 26 00-0247 | EA | 2 Gang, 0.04" Brass Duplex Receptacle Wall Plate | 44.81 | 3.28 |
| 26 27 26 00-0248 | EA | 3 Gang 0.04" Brass Duplex Receptacle Wall Plate | 64.74 | 3.66 |
| **26 27 26 00-0249** | | **Stainless Steel Wall Plates** *(26 27 26 00-0224)* | | |
| 26 27 26 00-0250 | EA | 1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates | 10.67 | 2.84 |
| 26 27 26 00-0251 | EA | 2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates | 17.25 | 3.28 |
| 26 27 26 00-0252 | EA | 3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates | 24.22 | 3.66 |
| 26 27 26 00-0253 | EA | 4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates | 35.70 | 3.97 |
| 26 27 26 00-0254 | EA | 5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates | 42.09 | 4.23 |
| 26 27 26 00-0255 | EA | 6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates | 51.00 | 4.42 |
| 26 27 26 00-0256 | EA | 1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate | 11.72 | 2.84 |
| 26 27 26 00-0257 | EA | 2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate | 19.73 | 3.28 |
| 26 27 26 00-0258 | EA | 3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate | 32.44 | 3.66 |
| 26 27 26 00-0259 | EA | 4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate | 39.27 | 3.97 |
| **26 27 26 00-0260** | | **Chrome Wall Plates** *(26 27 26 00-0224)* | | |
| 26 27 26 00-0261 | EA | 1 Gang, 0.040" Chrome Switch Wall Plate | 40.86 | 2.84 |
| 26 27 26 00-0262 | EA | 2 Gang 0.040" Chrome Switch Wall Plate | 76.80 | 3.28 |
| 26 27 26 00-0263 | EA | 3 Gang 0.040" Chrome Switch Wall Plate | 112.72 | 3.66 |
| 26 27 26 00-0264 | EA | 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate | 40.83 | 2.84 |
| **26 27 26 00-0265** | | **Weatherproof Covers** *(26 27 26 00-0223)* | | |
| **26 27 26 00-0266** | | **Stamped Metallic Weatherproof Covers** *(26 27 26 00-0265)* | | |
| | | Note: Includes electrostatically applied powder coating and neoprene gasket. | | |
| 26 27 26 00-0267 | EA | Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC) | 13.85 | 0.63 |
| 26 27 26 00-0268 | EA | Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC) | 15.01 | 0.63 |
| 26 27 26 00-0269 | EA | Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC) | 15.01 | 0.63 |
| 26 27 26 00-0270 | EA | Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC) | 15.01 | 0.63 |
| 26 27 26 00-0271 | EA | Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC) | 18.39 | 0.94 |
| 26 27 26 00-0272 | EA | Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC) | 20.90 | 0.94 |
| 26 27 26 00-0273 | EA | Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC) | 21.16 | 0.94 |
| 26 27 26 00-0274 | EA | Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC) | 21.16 | 0.94 |
| 26 27 26 00-0275 | EA | Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC) | 28.83 | 0.94 |
| 26 27 26 00-0276 | EA | Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB) | 27.23 | 1.26 |
| 26 27 26 00-0277 | EA | Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT) | 29.80 | 1.26 |
| **26 27 26 00-0278** | | **Cast Metallic Weatherproof Covers** *(26 27 26 00-0265)* | | |
| | | Note: Includes electrostatically applied powder coating and neoprene gasket. | | |
| 26 27 26 00-0279 | EA | Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC) | 16.98 | 0.63 |
| 26 27 26 00-0280 | EA | Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA) | 54.51 | 0.63 |
| 26 27 26 00-0281 | EA | Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR) | 61.14 | 0.63 |
| 26 27 26 00-0282 | EA | Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG) | 16.85 | 0.63 |
| 26 27 26 00-0283 | EA | Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT) | 46.19 | 0.63 |
| 26 27 26 00-0284 | EA | Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT) | 76.92 | 0.63 |
| 26 27 26 00-0285 | EA | Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST) | 97.96 | 0.63 |
| 26 27 26 00-0286 | EA | Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC) | 21.16 | 0.94 |
| 26 27 26 00-0287 | EA | Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST) | 154.77 | 0.94 |
| 26 27 26 00-0288 | EA | Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC) | 35.47 | 1.26 |
| 26 27 26 00-0289 | EA | Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST) | 147.78 | 1.26 |
| **26 27 26 00-0290** | | **Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0265)* | | |
| | | Note: Includes electrostatically applied powder coating and neoprene gasket. | | |
| 26 27 26 00-0291 | EA | Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027) | 5.66 | 0.63 |
| 26 27 26 00-0292 | EA | Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026) | 7.27 | 0.63 |
| 26 27 26 00-0293 | EA | Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032) | 9.76 | 0.94 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 26 00-0294 | EA | Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041) | 10.59 | 0.94 |
| 26 27 26 00-0295 | EA | Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042) | 10.59 | 0.94 |
| 26 27 26 00-0296 | EA | Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043) | 11.80 | 0.94 |
| 26 27 26 00-0297 | | **Heavy-Duty Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0265)* | | |
| | | Note: Includes baked on lacquer finish and neoprene gasket. | | |
| 26 27 26 00-0298 | EA | Duplex Receptacle, Single Gang, Heavy-Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510) | 58.05 | 0.63 |
| 26 27 26 00-0299 | | **Polycarbonate Weatherproof Covers** *(26 27 26 00-0265)* | | |
| | | Note: Includes neoprene gasket. | | |
| 26 27 26 00-0300 | EA | Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) | 11.67 | 0.63 |
| 26 27 26 00-0301 | EA | Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) | 11.67 | 0.63 |
| 26 27 26 00-0302 | EA | Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) | 11.67 | 0.63 |
| 26 27 26 00-0303 | EA | Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775) | 14.43 | 0.94 |
| 26 27 26 00-0304 | EA | Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775) | 14.43 | 0.94 |
| 26 27 26 00-0305 | | **High Impact Thermoplastic Weatherproof Covers** *(26 27 26 00-0265)* | | |
| | | Note: Includes neoprene gasket. | | |
| 26 27 26 00-0306 | EA | Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522) | 94.87 | 0.63 |
| 26 27 26 00-0307 | | **Non-Metallic (PVC) Weatherproof Covers** *(26 27 26 00-0265)* | | |
| | | Note: Includes neoprene gasket. | | |
| 26 27 26 00-0308 | EA | Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover | 13.86 | 0.63 |
| 26 27 26 00-0309 | EA | Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover | 14.86 | 0.94 |
| 26 27 26 00-0310 | EA | Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover | 13.90 | 0.63 |
| 26 27 26 00-0311 | EA | Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover | 30.70 | 0.63 |
| 26 27 26 00-0312 | EA | Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover | 35.59 | 0.63 |
| 26 27 26 00-0313 | EA | 20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover | 28.84 | 0.63 |
| 26 27 26 00-0314 | EA | 30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover | 21.48 | 0.63 |
| 26 27 26 00-0315 | EA | 50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover | 25.15 | 0.63 |
| 26 27 26 00-0316 | EA | Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover | 22.48 | 0.63 |
| 26 27 26 00-0317 | EA | Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover | 32.37 | 0.94 |
| 26 27 26 00-0318 | | **Removal And Reinstallation Of Wiring Devices** *(26 27 26)* | | |
| | | Note: Includes storage and cleaning. | | |
| 26 27 26 00-0319 | EA | Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device | 82.94 | |
| 26 27 26 00-0320 | EA | Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate | 10.50 | |
| 26 27 26 00-0321 | | **In Line Midget Fuseholders** *(26 27 26)* | | |
| | | See CSI section 26 28 13 00-0078 for fuses. | | |
| 26 27 26 00-0322 | EA | Single Pole Water Resistant In Line Midget Fuseholder | 93.03 | |
| 26 27 26 00-0323 | EA | Double Pole Water Resistant In Line Midget Fuseholder | 217.71 | |
| 26 27 26 00-0324 | | **Relay Systems** *(26 27 26)* | | |
| 26 27 26 00-0325 | EA | 10 Amperes, 24 Volt Coil, 2 Position Relay | 96.70 | 28.36 |
| 26 27 26 00-0326 | EA | 20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay | 416.67 | 94.55 |
| 26 27 26 00-0327 | EA | 20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay | 707.63 | 126.07 |
| 26 27 26 00-0328 | | **Limit Switches** *(26 27 26)* | | |
| 26 27 26 00-0329 | | **Heavy-Duty Precision Oiltight** *(26 27 26 00-0328)* | | |
| 26 27 26 00-0330 | | **Lever Arm, Plunger, Wobble Stick Type** *(26 27 26 00-0329)* | | |
| 26 27 26 00-0331 | EA | Limit Switch, Heavy-Duty, Lever Arm Weatherproof, 10 Amperes Rated | 466.35 | 79.42 |
| **26 27 33** | | **Power Distribution Units** *(26 27)* | | |
| | | Note: Includes wiring connections and testing. | | |
| 26 27 33 00-0001 | | **Liebert Precision Power Center** *(26 27 33)* | | |
| | | Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up. | | |
| 26 27 33 00-0002 | EA | PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C) | 21,948.71 | 387.65 |
| 26 27 33 00-0003 | EA | PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C) | 26,507.03 | 420.18 |
| 26 27 33 00-0004 | EA | PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C) | 30,210.20 | 466.45 |
| 26 27 33 00-0005 | EA | PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C) | 34,762.72 | 504.27 |
| 26 27 33 00-0006 | EA | PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C) | 37,924.70 | 630.34 |
| 26 27 33 00-0007 | EA | PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C) | 42,541.60 | 756.41 |
| 26 27 33 00-0008 | EA | PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C) | 49,084.12 | 882.48 |
| 26 27 33 00-0009 | EA | PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C) | 51,604.23 | 1,008.54 |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 27 33 00-0010 | EA | PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C) | 54,509.45 | 1,134.61 |
| 26 27 33 00-0011 | EA | Ex Panelboard 10-30 KVA | 1,938.14 | 126.07 |
| 26 27 33 00-0012 | EA | Ex Panelboard 50-125 KVA | 2,899.80 | 157.58 |
| 26 27 33 00-0013 | EA | Ex Panelboard 150-220 KVA | 6,557.34 | 189.10 |
| 26 27 33 00-0014 | EA | Removal And Reinstallation Of Power Distribution Unit<br>Note: Includes disconnection / reconnection of branch circuits, storage and cleaning. | 2,017.08 | |
| 26 27 33 00-0015 | EA | Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only | 1,512.81 | |

### 26 27 73 Door Chimes *(26 27)*

#### 26 27 73 00-0001 Door Bell Chime And Door Button With Built-In Viewer *(26 27 73)*

Note: Non-electric chime, mounted on door

| | | | | |
|---|---|---|---|---|
| 26 27 73 00-0002 | EA | Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV) | 82.18 | 16.56 |

#### 26 27 73 00-0003 Wireless Door Bell System *(26 27 73)*

| | | | | |
|---|---|---|---|---|
| 26 27 73 00-0004 | EA | Wireless Doorbell Chime And Push Button (Broan LA542WH)<br>Note: Includes 2 push buttons | 145.84 | |
| 26 27 73 00-0005 | EA | Wireless Doorbell Chime And Push Button (STI-3350G)<br>Note: Includes 2 push buttons | 137.29 | |
| 26 27 73 00-0006 | EA | Wireless Doorbell Chime And Push Button (GE 19300)<br>Note: Includes 2 push buttons | 102.35 | |

#### 26 27 73 00-0007 Door Bell Buzzer System, Wired *(26 27 73)*

| | | | | |
|---|---|---|---|---|
| 26 27 73 00-0008 | EA | Door Bell, Push-Button And Transformer, Complete | 671.42 | 262.60 |
| 26 27 73 00-0009 | EA | Visual Flashing Doorbell Indicator, Wire To Existing System, Complete | 263.28 | 63.03 |
| 26 27 73 00-0010 | EA | Removal And Replacement Of Bell/Buzzer, Complete<br>Note: Includes removal of existing. | 108.11 | 31.52 |

## 26 28 Low-Voltage Circuit Protective Devices *(26 20)*

### 26 28 13 Fuses *(26 28)*

#### 26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses *(26 28 13)*

| | | | | |
|---|---|---|---|---|
| 26 28 13 00-0002 | EA | 1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse | 31.28 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0003 | EA | 2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse | 30.39 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0004 | EA | 3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse | 29.19 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0005 | EA | 5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse | 29.02 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0006 | EA | 6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse | 30.14 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0007 | EA | 8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse | 27.95 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0008 | EA | 10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse | 27.43 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0009 | EA | 15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse | 23.14 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0010 | EA | 20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse | 22.50 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0011 | EA | 25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse | 23.73 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0012 | EA | 30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse | 22.87 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |

#### 26 28 13 00-0013 Class RK1, Time Delay Fuses *(26 28 13)*

#### 26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

| | | | | |
|---|---|---|---|---|
| 26 28 13 00-0015 | EA | 1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 52.34 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0016 | EA | 2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 48.46 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0017 | EA | 3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 51.17 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0018 | EA | 4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 50.81 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0019 | EA | 5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 48.11 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0020 | EA | 10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 46.49 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0021 | EA | 15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 42.21 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0022 | EA | 20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 41.88 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0023 | EA | 25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 42.23 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 13 00-0024 | EA | 30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 41.79 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0025 | EA | 35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 60.04 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0026 | EA | 40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 58.75 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0027 | EA | 45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 59.72 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0028 | EA | 50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 58.92 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0029 | EA | 60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 57.75 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| **26 28 13 00-0030** | | **250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)* | | |
| 26 28 13 00-0031 | EA | 70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 111.23 | 11.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 28 13 00-0032 | EA | 80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 110.59 | 11.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 28 13 00-0033 | EA | 90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 123.69 | 11.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 28 13 00-0034 | EA | 100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 109.56 | 11.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 28 13 00-0035 | EA | 110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 325.21 | 11.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 28 13 00-0036 | EA | 125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 235.92 | 11.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 28 13 00-0037 | EA | 150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 215.42 | 12.48 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.32* | |
| 26 28 13 00-0038 | EA | 200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 227.32 | 12.48 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.32* | |
| 26 28 13 00-0039 | EA | 250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 432.77 | 12.48 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.32* | |
| 26 28 13 00-0040 | EA | 300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 464.43 | 15.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.21* | |
| 26 28 13 00-0041 | EA | 350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 500.01 | 15.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.21* | |
| 26 28 13 00-0042 | EA | 400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 383.28 | 15.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.21* | |
| 26 28 13 00-0043 | EA | 450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 864.82 | 15.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.21* | |
| 26 28 13 00-0044 | EA | 500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 815.88 | 18.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.48* | |
| 26 28 13 00-0045 | EA | 600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse | 633.90 | 18.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.48* | |
| **26 28 13 00-0046** | | **600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)* | | |
| 26 28 13 00-0047 | EA | 1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 84.25 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0048 | EA | 2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 78.08 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0049 | EA | 3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 72.91 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0050 | EA | 4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 74.61 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0051 | EA | 5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 73.14 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0052 | EA | 10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 73.67 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0053 | EA | 15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 68.03 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0054 | EA | 20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 67.47 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0055 | EA | 25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 66.71 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0056 | EA | 30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 67.82 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0057 | EA | 35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 101.29 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0058 | EA | 40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 101.55 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0059 | EA | 45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 99.44 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0060 | EA | 50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 100.44 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0061 | EA | 60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse | 101.32 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| **26 28 13 00-0062** | | **600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)* | | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 13 00-0063 | EA | 70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 193.82 | 11.34 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 28 13 00-0064 | EA | 80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 198.03 | 12.48 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.32* | |
| 26 28 13 00-0065 | EA | 90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 196.91 | 12.48 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.32* | |
| 26 28 13 00-0066 | EA | 100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 197.79 | 12.48 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.32* | |
| 26 28 13 00-0067 | EA | 110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 369.22 | 12.48 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.32* | |
| 26 28 13 00-0068 | EA | 125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 374.92 | 12.48 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *8.32* | |
| 26 28 13 00-0069 | EA | 150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 368.21 | 15.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.21* | |
| 26 28 13 00-0070 | EA | 200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 367.27 | 15.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.21* | |
| 26 28 13 00-0071 | EA | 250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 708.93 | 15.38 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *10.21* | |
| 26 28 13 00-0072 | EA | 300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 711.20 | 18.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.48* | |
| 26 28 13 00-0073 | EA | 350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 803.48 | 18.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.48* | |
| 26 28 13 00-0074 | EA | 400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 726.89 | 18.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.48* | |
| 26 28 13 00-0075 | EA | 450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 1,314.90 | 18.78 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *12.48* | |
| 26 28 13 00-0076 | EA | 500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 1,167.63 | 22.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 13 00-0077 | EA | 600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse | 1,016.59 | 22.69 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |

### 26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses *(26 28 13)*

Note: 250/300 Volt DC.

| | | | | |
|---|---|---|---|---|
| 26 28 13 00-0079 | EA | 1 Amperes, 600 Volt AC, Class CC Midget Fuse | 61.16 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0080 | EA | 2 Amperes, 600 Volt AC, Class CC Midget Fuse | 62.18 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0081 | EA | 3 Amperes, 600 Volt AC, Class CC Midget Fuse | 61.89 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0082 | EA | 5 Amperes, 600 Volt AC, Class CC Midget Fuse | 61.57 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0083 | EA | 6 Amperes, 600 Volt AC, Class CC Midget Fuse | 66.41 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0084 | EA | 8 Amperes, 600 Volt AC, Class CC Midget Fuse | 58.66 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0085 | EA | 10 Amperes, 600 Volt AC, Class CC Midget Fuse | 67.77 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0086 | EA | 15 Amperes, 600 Volt AC, Class CC Midget Fuse | 61.60 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0087 | EA | 20 Amperes, 600 Volt AC, Class CC Midget Fuse | 60.33 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0088 | EA | 25 Amperes, 600 Volt AC, Class CC Midget Fuse | 57.42 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |
| 26 28 13 00-0089 | EA | 30 Amperes, 600 Volt AC, Class CC Midget Fuse | 59.89 | 9.08 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *6.05* | |

### 26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse *(26 28 13)*

| | | | | |
|---|---|---|---|---|
| 26 28 13 00-0091 | EA | 1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 82.92 | 6.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.78* | |
| 26 28 13 00-0092 | EA | 3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 83.59 | 6.30 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *3.78* | |
| 26 28 13 00-0093 | EA | 6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 70.81 | 7.57 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *4.54* | |
| 26 28 13 00-0094 | EA | 10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 69.18 | 9.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 28 13 00-0095 | EA | 15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 70.80 | 9.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 28 13 00-0096 | EA | 20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 69.36 | 9.46 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *5.67* | |
| 26 28 13 00-0097 | EA | 25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 88.00 | 12.61 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 28 13 00-0098 | EA | 30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 71.87 | 12.61 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 28 13 00-0099 | EA | 35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 132.07 | 12.61 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 28 13 00-0100 | EA | 40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 111.32 | 12.61 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 28 13 00-0101 | EA | 45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 128.89 | 12.61 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *7.56* | |
| 26 28 13 00-0102 | EA | 50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 111.35 | 15.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 13 00-0103 | EA | 60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 109.11 | 15.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 28 13 00-0104 | EA | 70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 173.17 | 18.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |
| 26 28 13 00-0105 | EA | 80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 185.48 | 18.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |
| 26 28 13 00-0106 | EA | 90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 182.34 | 18.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |
| 26 28 13 00-0107 | EA | 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 156.00 | 22.06 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.24* | |
| 26 28 13 00-0108 | EA | 110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 385.60 | 22.06 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.24* | |
| 26 28 13 00-0109 | EA | 125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 325.43 | 22.06 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.24* | |
| 26 28 13 00-0110 | EA | 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 307.45 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 13 00-0111 | EA | 175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 312.24 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 13 00-0112 | EA | 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 256.27 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 13 00-0113 | EA | 225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 674.84 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 13 00-0114 | EA | 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 622.61 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 13 00-0115 | EA | 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 572.34 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 13 00-0116 | EA | 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 625.84 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 13 00-0117 | EA | 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 511.47 | 28.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.02* | |
| 26 28 13 00-0118 | EA | 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 1,108.39 | 28.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.02* | |
| 26 28 13 00-0119 | EA | 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 935.65 | 31.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 13 00-0120 | EA | 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse | 690.41 | 31.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |

### 26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*

| | | | | |
|---|---|---|---|---|
| 26 28 13 00-0122 | EA | 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 2,147.17 | 15.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 28 13 00-0123 | EA | 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 2,151.43 | 15.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 28 13 00-0124 | EA | 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 2,155.40 | 15.75 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *9.46* | |
| 26 28 13 00-0125 | EA | 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 2,146.45 | 18.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |
| 26 28 13 00-0126 | EA | 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 1,975.90 | 18.91 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *11.35* | |
| 26 28 13 00-0127 | EA | 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 2,113.09 | 22.06 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.24* | |
| 26 28 13 00-0128 | EA | 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 1,943.77 | 22.06 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.24* | |
| 26 28 13 00-0129 | EA | 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 2,175.64 | 22.06 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.24* | |
| 26 28 13 00-0130 | EA | 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 2,132.92 | 22.06 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *13.24* | |
| 26 28 13 00-0131 | EA | 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 1,893.64 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 13 00-0132 | EA | 601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 1,945.03 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 13 00-0133 | EA | 650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 2,590.92 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 13 00-0134 | EA | 700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 1,884.33 | 25.21 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 13 00-0135 | EA | 750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 2,899.72 | 28.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.02* | |
| 26 28 13 00-0136 | EA | 800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 1,663.02 | 28.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.02* | |
| 26 28 13 00-0137 | EA | 900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 2,436.27 | 28.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.02* | |
| 26 28 13 00-0138 | EA | 1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 1,634.76 | 28.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.02* | |
| 26 28 13 00-0139 | EA | 1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 1,683.91 | 28.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.02* | |
| 26 28 13 00-0140 | EA | 1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 3,764.02 | 28.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.02* | |
| 26 28 13 00-0141 | EA | 1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 3,710.90 | 28.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.02* | |
| 26 28 13 00-0142 | EA | 1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 3,346.44 | 28.36 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *17.02* | |
| 26 28 13 00-0143 | EA | 1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 2,082.61 | 31.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 13 00-0144 | EA | 1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 4,434.51 | 31.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 13 00-0145 | EA | 2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 2,832.27 | 31.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 13 00-0146 | EA | 2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 3,835.30 | 31.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 13 00-0147 | EA | 2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 6,546.58 | 31.52 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 13 00-0148 | EA | 3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 4,275.82 | 34.66 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.80* | |
| 26 28 13 00-0149 | EA | 3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 8,863.89 | 34.66 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.80* | |
| 26 28 13 00-0150 | EA | 3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 10,288.41 | 34.66 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.80* | |
| 26 28 13 00-0151 | EA | 4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 5,940.67 | 34.66 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.80* | |
| 26 28 13 00-0152 | EA | 5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 9,386.94 | 34.66 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.80* | |
| 26 28 13 00-0153 | EA | 6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse | 15,552.31 | 34.66 |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *20.80* | |

## 26 28 16 Enclosed Switches and Circuit Breakers *(26 28)*

### 26 28 16 13 Enclosed Circuit Breakers *(26 28 16)*

#### 26 28 16 13-0001 Branch Circuit Breakers *(26 28 16 13)*

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

#### 26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

| | | | | |
|---|---|---|---|---|
| 26 28 16 13-0003 | EA | 1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 62.80 | 22.69 |
| | | *For Bolt-On, Add* | *16.68* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0004 | EA | 1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 62.80 | 22.69 |
| | | *For Bolt-On, Add* | *16.68* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0005 | EA | 1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 91.58 | 28.36 |
| | | *For Bolt-On, Add* | *22.48* | |
| | | *For Installation In New Panelboard, Deduct* | *-15.76* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 16 13-0006 | EA | 1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 140.66 | 28.36 |
| | | *For Bolt-On, Add* | *28.61* | |
| | | *For Installation In New Panelboard, Deduct* | *-15.76* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 16 13-0007 | EA | 1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity | 196.78 | 28.36 |
| | | *For Bolt-On, Add* | *35.63* | |
| | | *For Installation In New Panelboard, Deduct* | *-15.76* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 16 13-0008 | EA | 1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity | 228.78 | 28.36 |
| | | *For Bolt-On, Add* | *39.63* | |
| | | *For Installation In New Panelboard, Deduct* | *-15.76* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 16 13-0009 | EA | 1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity | 109.74 | 28.36 |
| | | *For Bolt-On, Add* | *24.75* | |
| | | *For Installation In New Panelboard, Deduct* | *-15.76* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 16 13-0010 | EA | 2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 104.19 | 34.04 |
| | | *For Bolt-On, Add* | *26.26* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0011 | EA | 2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 104.19 | 34.04 |
| | | *For Bolt-On, Add* | *26.26* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0012 | EA | 2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 157.95 | 45.39 |
| | | *For Bolt-On, Add* | *37.39* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 13-0013 | EA | 2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 264.07 | 56.73 |
| | | *For Bolt-On, Add* | *55.07* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0014 | EA | 2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 311.87 | 63.03 |
| | | *For Bolt-On, Add* | *63.25* | |
| | | *For Installation In New Panelboard, Deduct* | *-34.67* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.60* | |
| 26 28 16 13-0015 | EA | 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 266.08 | 40.35 |
| | | *For Bolt-On, Add* | *49.14* | |
| | | *For Installation In New Panelboard, Deduct* | *-22.69* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.23* | |
| 26 28 16 13-0016 | EA | 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity | 357.88 | 40.35 |
| | | *For Bolt-On, Add* | *60.62* | |
| | | *For Installation In New Panelboard, Deduct* | *-22.69* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *27.23* | |
| 26 28 16 13-0017 | EA | 3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 200.77 | 45.39 |
| | | *For Bolt-On, Add* | *42.75* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0018 | EA | 3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 200.77 | 45.39 |
| | | *For Bolt-On, Add* | *42.75* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0019 | EA | 3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 263.53 | 56.73 |
| | | *For Bolt-On, Add* | *55.00* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0020 | EA | 3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 401.01 | 68.07 |
| | | *For Bolt-On, Add* | *76.60* | |
| | | *For Installation In New Panelboard, Deduct* | *-37.82* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *45.38* | |
| 26 28 16 13-0021 | EA | 3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity | 512.60 | 79.42 |
| | | *For Bolt-On, Add* | *94.96* | |
| | | *For Installation In New Panelboard, Deduct* | *-44.13* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *52.95* | |

## 26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

| | | | | |
|---|---|---|---|---|
| 26 28 16 13-0023 | EA | 1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 91.88 | 22.69 |
| | | *For Bolt-On, Add* | *20.31* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0024 | EA | 1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 91.88 | 22.69 |
| | | *For Bolt-On, Add* | *20.31* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0025 | EA | 1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 165.91 | 28.36 |
| | | *For Bolt-On, Add* | *31.77* | |
| | | *For Installation In New Panelboard, Deduct* | *-15.76* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 16 13-0026 | EA | 1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 260.28 | 28.36 |
| | | *For Bolt-On, Add* | *43.57* | |
| | | *For Installation In New Panelboard, Deduct* | *-15.76* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 16 13-0027 | EA | 2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 180.75 | 34.04 |
| | | *For Bolt-On, Add* | *35.83* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0028 | EA | 2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 180.75 | 34.04 |
| | | *For Bolt-On, Add* | *35.83* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0029 | EA | 2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 359.09 | 45.39 |
| | | *For Bolt-On, Add* | *62.54* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 13-0030 | EA | 2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 489.96 | 56.73 |
| | | *For Bolt-On, Add* | *83.31* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0031 | EA | 2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 723.02 | 63.03 |
| | | *For Bolt-On, Add* | *114.64* | |
| | | *For Installation In New Panelboard, Deduct* | *-34.67* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.60* | |
| 26 28 16 13-0032 | EA | 3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 289.60 | 45.39 |
| | | *For Bolt-On, Add* | *53.85* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0033 | EA | 3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 289.60 | 45.39 |
| | | *For Bolt-On, Add* | *53.85* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0034 | EA | 3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 434.72 | 56.73 |
| | | *For Bolt-On, Add* | *76.40* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0035 | EA | 3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 620.30 | 68.07 |
| | | *For Bolt-On, Add* | *104.01* | |
| | | *For Installation In New Panelboard, Deduct* | *-37.82* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *45.38* | |
| 26 28 16 13-0036 | EA | 3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 964.27 | 79.42 |
| | | *For Bolt-On, Add* | *151.42* | |
| | | *For Installation In New Panelboard, Deduct* | *-44.13* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *52.95* | |
| 26 28 16 13-0037 | EA | 3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 1,113.71 | 85.09 |
| | | *For Bolt-On, Add* | *172.31* | |
| | | *For Installation In New Panelboard, Deduct* | *-47.28* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *56.73* | |
| 26 28 16 13-0038 | EA | 3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 1,196.59 | 90.77 |
| | | *For Bolt-On, Add* | *184.87* | |
| | | *For Installation In New Panelboard, Deduct* | *-50.43* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *60.51* | |
| 26 28 16 13-0039 | EA | 3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity | 1,417.54 | 96.44 |
| | | *For Bolt-On, Add* | *214.70* | |
| | | *For Installation In New Panelboard, Deduct* | *-53.58* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *64.30* | |

## 26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

| | | | | |
|---|---|---|---|---|
| 26 28 16 13-0041 | EA | 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity | 110.99 | 22.69 |
| | | *For Bolt-On, Add* | *22.70* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0042 | EA | 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity | 110.99 | 22.69 |
| | | *For Bolt-On, Add* | *22.70* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0043 | EA | 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity | 184.79 | 28.36 |
| | | *For Bolt-On, Add* | *34.13* | |
| | | *For Installation In New Panelboard, Deduct* | *-15.76* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 16 13-0044 | EA | 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity | 230.55 | 34.04 |
| | | *For Bolt-On, Add* | *42.06* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0045 | EA | 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity | 230.55 | 34.04 |
| | | *For Bolt-On, Add* | *42.06* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0046 | EA | 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity | 406.85 | 45.39 |
| | | *For Bolt-On, Add* | *68.51* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 13-0047 | EA | 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity | 1,053.00 | 56.73 |
| | | *For Bolt-On, Add* | *153.69* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0048 | EA | 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity | 371.79 | 45.39 |
| | | *For Bolt-On, Add* | *64.12* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0049 | EA | 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity | 371.79 | 45.39 |
| | | *For Bolt-On, Add* | *64.12* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0050 | EA | 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity | 494.55 | 56.73 |
| | | *For Bolt-On, Add* | *83.88* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0051 | EA | 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity | 1,303.89 | 68.07 |
| | | *For Bolt-On, Add* | *189.46* | |
| | | *For Installation In New Panelboard, Deduct* | *-37.82* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *45.38* | |

## 26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

| | | | | |
|---|---|---|---|---|
| 26 28 16 13-0053 | EA | 15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 127.22 | 22.69 |
| | | *For Bolt-On, Add* | *24.73* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0054 | EA | 35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 127.22 | 22.69 |
| | | *For Bolt-On, Add* | *24.73* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0055 | EA | 70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 149.68 | 28.36 |
| | | *For Bolt-On, Add* | *29.74* | |
| | | *For Installation In New Panelboard, Deduct* | *-15.76* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 16 13-0056 | EA | 15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 258.11 | 28.36 |
| | | *For Bolt-On, Add* | *43.29* | |
| | | *For Installation In New Panelboard, Deduct* | *-15.76* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 16 13-0057 | EA | 15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 272.89 | 34.04 |
| | | *For Bolt-On, Add* | *47.35* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0058 | EA | 35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 272.89 | 34.04 |
| | | *For Bolt-On, Add* | *47.35* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0059 | EA | 70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 330.15 | 45.39 |
| | | *For Bolt-On, Add* | *58.92* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0060 | EA | 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 477.60 | 56.73 |
| | | *For Bolt-On, Add* | *81.76* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0061 | EA | 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 619.82 | 63.03 |
| | | *For Bolt-On, Add* | *101.74* | |
| | | *For Installation In New Panelboard, Deduct* | *-34.67* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.60* | |
| 26 28 16 13-0062 | EA | 250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 774.66 | 73.75 |
| | | *For Bolt-On, Add* | *125.51* | |
| | | *For Installation In New Panelboard, Deduct* | *-40.97* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *49.17* | |
| 26 28 16 13-0063 | EA | 300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 834.74 | 85.09 |
| | | *For Bolt-On, Add* | *137.44* | |
| | | *For Installation In New Panelboard, Deduct* | *-47.28* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *56.73* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 13-0064 | EA | 15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 330.86 | 45.39 |
| | | *For Bolt-On, Add* | *59.01* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0065 | EA | 35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 330.86 | 45.39 |
| | | *For Bolt-On, Add* | *59.01* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0066 | EA | 70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 387.43 | 56.73 |
| | | *For Bolt-On, Add* | *70.49* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0067 | EA | 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 592.27 | 68.07 |
| | | *For Bolt-On, Add* | *100.51* | |
| | | *For Installation In New Panelboard, Deduct* | *-37.82* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *45.38* | |
| 26 28 16 13-0068 | EA | 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 777.64 | 88.25 |
| | | *For Bolt-On, Add* | *131.40* | |
| | | *For Installation In New Panelboard, Deduct* | *-48.85* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *58.62* | |
| 26 28 16 13-0069 | EA | 250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 962.03 | 102.12 |
| | | *For Bolt-On, Add* | *159.96* | |
| | | *For Installation In New Panelboard, Deduct* | *-56.73* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |
| 26 28 16 13-0070 | EA | 300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity | 1,023.24 | 108.42 |
| | | *For Bolt-On, Add* | *169.82* | |
| | | *For Installation In New Panelboard, Deduct* | *-59.88* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *71.86* | |

### 26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

| | | | | |
|---|---|---|---|---|
| 26 28 16 13-0072 | EA | 15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 283.46 | 34.04 |
| | | *For Bolt-On, Add* | *48.67* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0073 | EA | 35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 283.46 | 34.04 |
| | | *For Bolt-On, Add* | *48.67* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0074 | EA | 70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 432.40 | 45.39 |
| | | *For Bolt-On, Add* | *71.70* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0075 | EA | 110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 706.09 | 56.73 |
| | | *For Bolt-On, Add* | *110.32* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0076 | EA | 150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 1,103.70 | 70.60 |
| | | *For Bolt-On, Add* | *165.54* | |
| | | *For Installation In New Panelboard, Deduct* | *-39.40* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *47.27* | |
| 26 28 16 13-0077 | EA | 250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 1,252.52 | 73.75 |
| | | *For Bolt-On, Add* | *185.25* | |
| | | *For Installation In New Panelboard, Deduct* | *-40.97* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *49.17* | |
| 26 28 16 13-0078 | EA | 300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 1,367.62 | 85.09 |
| | | *For Bolt-On, Add* | *204.05* | |
| | | *For Installation In New Panelboard, Deduct* | *-47.28* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *56.73* | |
| 26 28 16 13-0079 | EA | 15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 408.14 | 45.39 |
| | | *For Bolt-On, Add* | *68.67* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0080 | EA | 35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 408.14 | 45.39 |
| | | *For Bolt-On, Add* | *68.67* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 13-0081 | EA | 70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 514.22 | 56.73 |
| | | *For Bolt-On, Add* | *86.34* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0082 | EA | 110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 878.92 | 68.07 |
| | | *For Bolt-On, Add* | *136.34* | |
| | | *For Installation In New Panelboard, Deduct* | *-37.82* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *45.38* | |
| 26 28 16 13-0083 | EA | 150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 1,287.09 | 88.25 |
| | | *For Bolt-On, Add* | *195.08* | |
| | | *For Installation In New Panelboard, Deduct* | *-48.85* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *58.62* | |
| 26 28 16 13-0084 | EA | 250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 1,520.71 | 102.12 |
| | | *For Bolt-On, Add* | *229.80* | |
| | | *For Installation In New Panelboard, Deduct* | *-56.73* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |
| 26 28 16 13-0085 | EA | 300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity | 1,645.87 | 108.42 |
| | | *For Bolt-On, Add* | *247.65* | |
| | | *For Installation In New Panelboard, Deduct* | *-59.88* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *71.86* | |
| **26 28 16 13-0086** | | **Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)* | | |
| | | Note: Includes connection of electrical wire. | | |
| 26 28 16 13-0087 | EA | 2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity | 293.98 | 34.04 |
| | | *For Bolt-On, Add* | *49.98* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0088 | EA | 2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity | 293.98 | 34.04 |
| | | *For Bolt-On, Add* | *49.98* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0089 | EA | 2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity | 529.43 | 45.39 |
| | | *For Bolt-On, Add* | *83.83* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0090 | EA | 2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity | 975.15 | 56.73 |
| | | *For Bolt-On, Add* | *143.96* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0091 | EA | 2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity | 1,548.46 | 70.60 |
| | | *For Bolt-On, Add* | *221.13* | |
| | | *For Installation In New Panelboard, Deduct* | *-39.40* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *47.27* | |
| 26 28 16 13-0092 | EA | 2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity | 1,764.05 | 73.75 |
| | | *For Bolt-On, Add* | *249.19* | |
| | | *For Installation In New Panelboard, Deduct* | *-40.97* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *49.17* | |
| 26 28 16 13-0093 | EA | 2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity | 1,919.61 | 85.09 |
| | | *For Bolt-On, Add* | *273.04* | |
| | | *For Installation In New Panelboard, Deduct* | *-47.28* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *56.73* | |
| 26 28 16 13-0094 | EA | 3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity | 480.92 | 45.39 |
| | | *For Bolt-On, Add* | *77.76* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0095 | EA | 3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity | 480.92 | 45.39 |
| | | *For Bolt-On, Add* | *77.76* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0096 | EA | 3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity | 640.37 | 56.73 |
| | | *For Bolt-On, Add* | *102.11* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0097 | EA | 3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity | 1,186.35 | 68.07 |
| | | *For Bolt-On, Add* | *174.77* | |
| | | *For Installation In New Panelboard, Deduct* | *-37.82* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *45.38* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 13-0098 | EA | 3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity | 1,498.43 | 88.25 |
| | | *For Bolt-On, Add* | *221.50* | |
| | | *For Installation In New Panelboard, Deduct* | *-48.85* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *58.62* | |
| 26 28 16 13-0099 | EA | 3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity | 2,398.97 | 102.12 |
| | | *For Bolt-On, Add* | *339.58* | |
| | | *For Installation In New Panelboard, Deduct* | *-56.73* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *68.08* | |
| 26 28 16 13-0100 | EA | 3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity | 2,555.20 | 108.42 |
| | | *For Bolt-On, Add* | *361.32* | |
| | | *For Installation In New Panelboard, Deduct* | *-59.88* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *71.86* | |

## 26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

| | | | | |
|---|---|---|---|---|
| 26 28 16 13-0102 | EA | 1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 153.71 | 22.69 |
| | | *For Bolt-On, Add* | *28.04* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0103 | EA | 1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 153.71 | 22.69 |
| | | *For Bolt-On, Add* | *28.04* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0104 | EA | 1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 268.31 | 28.36 |
| | | *For Bolt-On, Add* | *44.57* | |
| | | *For Installation In New Panelboard, Deduct* | *-15.76* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 16 13-0105 | EA | 2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 337.02 | 34.04 |
| | | *For Bolt-On, Add* | *55.36* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0106 | EA | 2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 337.02 | 34.04 |
| | | *For Bolt-On, Add* | *55.36* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0107 | EA | 2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 618.50 | 45.39 |
| | | *For Bolt-On, Add* | *94.96* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0108 | EA | 2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 1,153.06 | 56.73 |
| | | *For Bolt-On, Add* | *166.19* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0109 | EA | 2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 2,251.14 | 70.60 |
| | | *For Bolt-On, Add* | *308.97* | |
| | | *For Installation In New Panelboard, Deduct* | *-39.40* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *47.27* | |
| 26 28 16 13-0110 | EA | 3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 558.58 | 45.39 |
| | | *For Bolt-On, Add* | *87.47* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0111 | EA | 3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 558.58 | 45.39 |
| | | *For Bolt-On, Add* | *87.47* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0112 | EA | 3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 748.27 | 56.73 |
| | | *For Bolt-On, Add* | *115.60* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0113 | EA | 3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 1,420.86 | 68.07 |
| | | *For Bolt-On, Add* | *204.08* | |
| | | *For Installation In New Panelboard, Deduct* | *-37.82* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *45.38* | |
| 26 28 16 13-0114 | EA | 3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity | 2,798.98 | 88.25 |
| | | *For Bolt-On, Add* | *384.07* | |
| | | *For Installation In New Panelboard, Deduct* | *-48.85* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *58.62* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 13-0115 | | Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)* | | |
| | | Note: Includes connection of electrical wire. | | |
| 26 28 16 13-0116 | EA | 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity | 228.33 | 22.69 |
| | | *For Bolt-On, Add* | *37.37* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0117 | EA | 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity | 228.33 | 22.69 |
| | | *For Bolt-On, Add* | *37.37* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0118 | EA | 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity | 347.67 | 28.36 |
| | | *For Bolt-On, Add* | *54.49* | |
| | | *For Installation In New Panelboard, Deduct* | *-15.76* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *18.91* | |
| 26 28 16 13-0119 | EA | 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity | 423.36 | 34.04 |
| | | *For Bolt-On, Add* | *66.16* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0120 | EA | 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity | 423.36 | 34.04 |
| | | *For Bolt-On, Add* | *66.16* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0121 | EA | 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity | 804.38 | 45.39 |
| | | *For Bolt-On, Add* | *118.20* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0122 | EA | 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity | 1,468.43 | 56.73 |
| | | *For Bolt-On, Add* | *205.62* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0123 | EA | 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity | 2,944.69 | 63.03 |
| | | *For Bolt-On, Add* | *392.35* | |
| | | *For Installation In New Panelboard, Deduct* | *-34.67* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *41.60* | |
| 26 28 16 13-0124 | EA | 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity | 731.60 | 45.39 |
| | | *For Bolt-On, Add* | *109.10* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0125 | EA | 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity | 731.60 | 45.39 |
| | | *For Bolt-On, Add* | *109.10* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0126 | EA | 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity | 1,015.59 | 56.73 |
| | | *For Bolt-On, Add* | *149.01* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0127 | EA | 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity | 1,655.37 | 68.07 |
| | | *For Bolt-On, Add* | *233.40* | |
| | | *For Installation In New Panelboard, Deduct* | *-37.82* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *45.38* | |
| 26 28 16 13-0128 | EA | 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity | 3,713.04 | 88.25 |
| | | *For Bolt-On, Add* | *498.33* | |
| | | *For Installation In New Panelboard, Deduct* | *-48.85* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *58.62* | |
| 26 28 16 13-0129 | | Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)* | | |
| | | Note: Includes connection of electrical wire. | | |
| 26 28 16 13-0130 | EA | 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 99.52 | 22.69 |
| | | *For Bolt-On, Add* | *21.27* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0131 | EA | 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 213.98 | 34.04 |
| | | *For Bolt-On, Add* | *39.98* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 13-0132 | EA | 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 341.83 | 45.39 |
| | | *For Bolt-On, Add* | *60.38* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0133 | EA | 15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 215.54 | 22.69 |
| | | *For Bolt-On, Add* | *35.77* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0134 | EA | 35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 215.54 | 22.69 |
| | | *For Bolt-On, Add* | *35.77* | |
| | | *For Installation In New Panelboard, Deduct* | *-12.61* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *15.13* | |
| 26 28 16 13-0135 | EA | 70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 429.16 | 45.39 |
| | | *For Bolt-On, Add* | *71.29* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0136 | EA | 15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 494.48 | 34.04 |
| | | *For Bolt-On, Add* | *75.05* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0137 | EA | 35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 494.48 | 34.04 |
| | | *For Bolt-On, Add* | *75.05* | |
| | | *For Installation In New Panelboard, Deduct* | *-18.91* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *22.69* | |
| 26 28 16 13-0138 | EA | 70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 964.67 | 45.39 |
| | | *For Bolt-On, Add* | *138.23* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0139 | EA | 110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 1,646.33 | 56.73 |
| | | *For Bolt-On, Add* | *227.85* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0140 | EA | 150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 3,647.91 | 70.60 |
| | | *For Bolt-On, Add* | *483.57* | |
| | | *For Installation In New Panelboard, Deduct* | *-39.40* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *47.27* | |
| 26 28 16 13-0141 | EA | 15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 833.34 | 45.39 |
| | | *For Bolt-On, Add* | *121.82* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0142 | EA | 35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 833.34 | 45.39 |
| | | *For Bolt-On, Add* | *121.82* | |
| | | *For Installation In New Panelboard, Deduct* | *-25.21* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *30.26* | |
| 26 28 16 13-0143 | EA | 70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 1,163.29 | 56.73 |
| | | *For Bolt-On, Add* | *167.47* | |
| | | *For Installation In New Panelboard, Deduct* | *-31.52* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *37.82* | |
| 26 28 16 13-0144 | EA | 110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 1,784.75 | 68.07 |
| | | *For Bolt-On, Add* | *249.57* | |
| | | *For Installation In New Panelboard, Deduct* | *-37.82* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *45.38* | |
| 26 28 16 13-0145 | EA | 150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity | 4,536.17 | 88.25 |
| | | *For Bolt-On, Add* | *601.22* | |
| | | *For Installation In New Panelboard, Deduct* | *-48.85* | |
| | | *Note: Also for use with new interiors in panelboards.* | | |
| | | *For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* | *58.62* | |

## 26 28 16 16 Enclosed Switches *(26 28 16)*

26 28 16 16-0001 Motor And Circuit Disconnects *(26 28 16 16)*
Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*

26 28 16 16-0003 Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*
Note: Includes fuses and neutral bar.

26 28 16 16-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0005 | EA | 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 476.76 | 126.07 |
| 26 28 16 16-0006 | EA | 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 753.08 | 151.91 |
| 26 28 16 16-0007 | EA | 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,037.61 | 177.76 |
| 26 28 16 16-0008 | EA | 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,789.38 | 279.86 |
| 26 28 16 16-0009 | EA | 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 3,818.36 | 434.93 |
| 26 28 16 16-0010 | EA | 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 6,383.16 | 642.95 |
| 26 28 16 16-0011 | EA | 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 8,717.78 | 756.41 |
| 26 28 16 16-0012 | EA | 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 11,715.49 | 882.48 |
| **26 28 16 16-0013** | | **600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)* | | |
| 26 28 16 16-0014 | EA | 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 729.81 | 140.06 |
| 26 28 16 16-0015 | EA | 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 880.56 | 168.81 |
| 26 28 16 16-0016 | EA | 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,406.20 | 197.30 |
| 26 28 16 16-0017 | EA | 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 2,077.49 | 311.38 |
| 26 28 16 16-0018 | EA | 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 4,549.18 | 483.09 |
| 26 28 16 16-0019 | EA | 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 7,094.88 | 714.05 |
| 26 28 16 16-0020 | EA | 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 10,509.39 | 839.99 |
| 26 28 16 16-0021 | EA | 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 14,371.67 | 980.55 |
| **26 28 16 16-0022** | | **240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)* | | |
| 26 28 16 16-0023 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 676.70 | 197.93 |
| 26 28 16 16-0024 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 999.55 | 262.85 |
| 26 28 16 16-0025 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,350.85 | 291.85 |
| 26 28 16 16-0026 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 2,137.26 | 456.99 |
| 26 28 16 16-0027 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 4,455.49 | 750.10 |
| 26 28 16 16-0028 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 7,260.60 | 1,050.77 |
| **26 28 16 16-0029** | | **600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)* | | |
| 26 28 16 16-0030 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 887.39 | 218.72 |
| 26 28 16 16-0031 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,126.77 | 291.85 |
| 26 28 16 16-0032 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,668.35 | 328.41 |
| 26 28 16 16-0033 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 2,455.17 | 500.48 |
| 26 28 16 16-0034 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 5,492.56 | 808.09 |
| 26 28 16 16-0035 | EA | 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 8,849.28 | 1,167.38 |
| 26 28 16 16-0036 | EA | 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 14,118.90 | 1,386.74 |
| 26 28 16 16-0037 | EA | 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 18,063.72 | 1,575.84 |
| **26 28 16 16-0038** | | **240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)* | | |
| 26 28 16 16-0039 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 655.13 | 197.93 |
| 26 28 16 16-0040 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 971.67 | 262.85 |
| 26 28 16 16-0041 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,300.13 | 291.85 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0042 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 2,207.01 | 456.99 |
| 26 28 16 16-0043 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 4,848.60 | 750.10 |
| 26 28 16 16-0044 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 7,852.00 | 1,050.77 |
| 26 28 16 16-0045 | EA | 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 13,029.15 | 1,323.71 |
| 26 28 16 16-0046 | EA | 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 16,074.76 | 1,512.81 |
| **26 28 16 16-0047** | | **600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)* | | |
| 26 28 16 16-0048 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 966.55 | 218.72 |
| 26 28 16 16-0049 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,224.04 | 291.85 |
| 26 28 16 16-0050 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,810.58 | 328.41 |
| 26 28 16 16-0051 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 2,668.09 | 500.48 |
| 26 28 16 16-0052 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 5,946.82 | 808.09 |
| 26 28 16 16-0053 | EA | 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 9,651.56 | 1,167.38 |
| 26 28 16 16-0054 | EA | 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 15,450.88 | 1,386.74 |
| 26 28 16 16-0055 | EA | 1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 19,502.54 | 1,575.84 |
| **26 28 16 16-0056** | | **Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0002)* | | |
| **26 28 16 16-0057** | | **240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)* | | |
| 26 28 16 16-0058 | EA | 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 463.11 | 182.42 |
| 26 28 16 16-0059 | EA | 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 720.93 | 253.77 |
| 26 28 16 16-0060 | EA | 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 996.58 | 291.85 |
| 26 28 16 16-0061 | EA | 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,560.75 | 466.95 |
| 26 28 16 16-0062 | EA | 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 3,157.51 | 778.21 |
| 26 28 16 16-0063 | EA | 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 5,173.74 | 1,061.24 |
| 26 28 16 16-0064 | EA | 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 7,404.49 | 1,260.68 |
| 26 28 16 16-0065 | EA | 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 9,787.60 | 1,471.34 |
| **26 28 16 16-0066** | | **600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)* | | |
| 26 28 16 16-0067 | EA | 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 511.54 | 201.33 |
| 26 28 16 16-0068 | EA | 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 816.58 | 284.79 |
| 26 28 16 16-0069 | EA | 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,126.69 | 324.25 |
| 26 28 16 16-0070 | EA | 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,748.54 | 507.55 |
| 26 28 16 16-0071 | EA | 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 3,397.32 | 833.81 |
| 26 28 16 16-0072 | EA | 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 5,722.43 | 1,167.26 |
| 26 28 16 16-0073 | EA | 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 8,218.71 | 1,260.68 |
| 26 28 16 16-0074 | EA | 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 10,902.65 | 1,471.34 |
| **26 28 16 16-0075** | | **240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)* | | |
| 26 28 16 16-0076 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 539.27 | 163.89 |
| 26 28 16 16-0077 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 826.88 | 228.18 |
| 26 28 16 16-0078 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,118.42 | 262.85 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0079 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,756.68 | 420.43 |
| 26 28 16 16-0080 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 3,526.15 | 700.31 |
| 26 28 16 16-0081 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 5,695.57 | 954.96 |
| 26 28 16 16-0082 | EA | 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 9,833.92 | 1,134.61 |
| 26 28 16 16-0083 | EA | 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 12,824.61 | 1,323.71 |
| **26 28 16 16-0084** | | **480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)* | | |
| 26 28 16 16-0085 | EA | 30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 588.22 | 180.90 |
| 26 28 16 16-0086 | EA | 60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 909.00 | 256.55 |
| 26 28 16 16-0087 | EA | 100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,219.15 | 291.85 |
| 26 28 16 16-0088 | EA | 200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,895.20 | 456.99 |
| 26 28 16 16-0089 | EA | 400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 3,778.00 | 750.10 |
| 26 28 16 16-0090 | EA | 600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 6,156.98 | 1,050.77 |
| 26 28 16 16-0091 | EA | 800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 10,372.62 | 1,134.61 |
| **26 28 16 16-0092** | | **600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)* | | |
| 26 28 16 16-0093 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 628.38 | 181.15 |
| 26 28 16 16-0094 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 977.49 | 256.29 |
| 26 28 16 16-0095 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,330.55 | 291.85 |
| 26 28 16 16-0096 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 2,066.78 | 456.74 |
| 26 28 16 16-0097 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 4,018.01 | 750.35 |
| 26 28 16 16-0098 | EA | 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 6,867.29 | 1,050.52 |
| 26 28 16 16-0099 | EA | 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 11,183.49 | 1,134.61 |
| 26 28 16 16-0100 | EA | 1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 14,641.36 | 1,323.71 |
| **26 28 16 16-0101** | | **240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)* | | |
| 26 28 16 16-0102 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 925.05 | 164.14 |
| 26 28 16 16-0103 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,116.21 | 228.44 |
| 26 28 16 16-0104 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,715.17 | 262.60 |
| 26 28 16 16-0105 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 2,572.84 | 420.18 |
| **26 28 16 16-0106** | | **480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)* | | |
| 26 28 16 16-0107 | EA | 30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,001.65 | 180.90 |
| 26 28 16 16-0108 | EA | 60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,219.03 | 256.55 |
| 26 28 16 16-0109 | EA | 100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,858.55 | 291.85 |
| 26 28 16 16-0110 | EA | 200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 2,769.68 | 456.99 |
| **26 28 16 16-0111** | | **600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)* | | |
| 26 28 16 16-0112 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,113.45 | 181.15 |
| 26 28 16 16-0113 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,342.34 | 256.29 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0114 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 2,080.29 | 291.85 |
| 26 28 16 16-0115 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 3,092.70 | 456.74 |
| 26 28 16 16-0116 | | General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)* | | |
| | | Note: Includes fuses and neutral bar. | | |
| 26 28 16 16-0117 | | 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)* | | |
| 26 28 16 16-0118 | EA | 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 329.85 | 109.68 |
| 26 28 16 16-0119 | EA | 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 450.38 | 131.99 |
| 26 28 16 16-0120 | EA | 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 694.96 | 154.31 |
| 26 28 16 16-0121 | EA | 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,288.26 | 243.44 |
| 26 28 16 16-0122 | EA | 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 3,073.04 | 377.57 |
| 26 28 16 16-0123 | EA | 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 5,753.56 | 558.86 |
| 26 28 16 16-0124 | | 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)* | | |
| 26 28 16 16-0125 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 454.87 | 172.34 |
| 26 28 16 16-0126 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 642.77 | 228.44 |
| 26 28 16 16-0127 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 893.86 | 253.77 |
| 26 28 16 16-0128 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,597.16 | 397.23 |
| 26 28 16 16-0129 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 3,625.85 | 652.53 |
| 26 28 16 16-0130 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 6,468.69 | 913.48 |
| 26 28 16 16-0131 | | 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)* | | |
| 26 28 16 16-0132 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 507.03 | 172.34 |
| 26 28 16 16-0133 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 726.87 | 228.44 |
| 26 28 16 16-0134 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 970.38 | 253.77 |
| 26 28 16 16-0135 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,789.96 | 397.23 |
| 26 28 16 16-0136 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 3,955.39 | 652.53 |
| 26 28 16 16-0137 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 6,677.58 | 913.48 |
| 26 28 16 16-0138 | | General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)* | | |
| 26 28 16 16-0139 | | 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)* | | |
| 26 28 16 16-0140 | EA | 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 450.57 | 152.54 |
| 26 28 16 16-0141 | EA | 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 600.94 | 175.36 |
| 26 28 16 16-0142 | EA | 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,362.41 | 280.25 |
| 26 28 16 16-0143 | EA | 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 2,927.93 | 466.45 |
| 26 28 16 16-0144 | EA | 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 5,076.27 | 635.63 |
| 26 28 16 16-0145 | | 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)* | | |
| 26 28 16 16-0146 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 425.71 | 142.71 |
| 26 28 16 16-0147 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 583.18 | 198.55 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0148 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 890.31 | 228.44 |
| 26 28 16 16-0149 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 1,533.59 | 365.47 |
| 26 28 16 16-0150 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 3,214.30 | 609.15 |
| 26 28 16 16-0151 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch | 5,467.96 | 830.28 |
| 26 28 16 16-0152 | | NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0001)* | | |
| 26 28 16 16-0153 | | Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*<br>Note: With fuses, neutral bar, and hub if required. | | |
| 26 28 16 16-0154 | | 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)* | | |
| 26 28 16 16-0155 | EA | 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 701.80 | 148.12 |
| 26 28 16 16-0156 | EA | 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,118.96 | 177.76 |
| 26 28 16 16-0157 | EA | 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,399.19 | 206.75 |
| 26 28 16 16-0158 | EA | 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,047.54 | 315.17 |
| 26 28 16 16-0159 | EA | 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 4,532.77 | 504.27 |
| 26 28 16 16-0160 | EA | 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 7,953.45 | 672.57 |
| 26 28 16 16-0161 | EA | 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 11,935.67 | 756.41 |
| 26 28 16 16-0162 | EA | 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 15,821.19 | 882.48 |
| 26 28 16 16-0163 | | 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)* | | |
| 26 28 16 16-0164 | EA | 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,210.34 | 197.42 |
| 26 28 16 16-0165 | EA | 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,440.96 | 242.05 |
| 26 28 16 16-0166 | EA | 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,048.09 | 277.98 |
| 26 28 16 16-0167 | EA | 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,884.53 | 416.91 |
| 26 28 16 16-0168 | EA | 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 6,287.04 | 682.15 |
| 26 28 16 16-0169 | EA | 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 11,575.59 | 938.06 |
| 26 28 16 16-0170 | EA | 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 17,032.09 | 1,080.15 |
| 26 28 16 16-0171 | EA | 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 18,761.39 | 1,215.92 |
| 26 28 16 16-0172 | | 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)* | | |
| 26 28 16 16-0173 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 893.31 | 233.23 |
| 26 28 16 16-0174 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,420.65 | 308.87 |
| 26 28 16 16-0175 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,713.72 | 339.12 |
| 26 28 16 16-0176 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,540.06 | 525.08 |
| 26 28 16 16-0177 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 5,504.55 | 875.54 |
| 26 28 16 16-0178 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 9,195.04 | 1,167.38 |
| 26 28 16 16-0179 | | 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)* | | |
| 26 28 16 16-0180 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,370.85 | 276.47 |
| 26 28 16 16-0181 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,635.21 | 338.87 |
| 26 28 16 16-0182 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,192.12 | 389.05 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0183 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 3,183.59 | 583.69 |
| 26 28 16 16-0184 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 6,716.25 | 955.09 |
| 26 28 16 16-0185 | EA | 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 12,149.88 | 1,313.24 |
| 26 28 16 16-0186 | EA | 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 17,214.50 | 1,512.81 |
| 26 28 16 16-0187 | EA | 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 20,611.31 | 1,701.91 |
| **26 28 16 16-0188** | | **240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)* | | |
| 26 28 16 16-0189 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 981.76 | 233.23 |
| 26 28 16 16-0190 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,423.22 | 308.87 |
| 26 28 16 16-0191 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,838.09 | 339.12 |
| 26 28 16 16-0192 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,623.01 | 525.08 |
| 26 28 16 16-0193 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 5,580.64 | 875.54 |
| 26 28 16 16-0194 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 10,031.99 | 1,167.38 |
| 26 28 16 16-0195 | EA | 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 16,772.05 | 1,323.71 |
| 26 28 16 16-0196 | EA | 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 20,912.81 | 1,512.81 |
| **26 28 16 16-0197** | | **600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)* | | |
| 26 28 16 16-0198 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,421.60 | 276.72 |
| 26 28 16 16-0199 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,692.27 | 339.12 |
| 26 28 16 16-0200 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,318.93 | 388.92 |
| 26 28 16 16-0201 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 3,266.02 | 583.69 |
| 26 28 16 16-0202 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 7,014.25 | 954.96 |
| 26 28 16 16-0203 | EA | 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 12,492.27 | 1,312.99 |
| 26 28 16 16-0204 | EA | 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 18,292.64 | 1,512.81 |
| 26 28 16 16-0205 | EA | 1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 22,032.44 | 1,701.91 |
| **26 28 16 16-0206** | | **Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)* | | |
| **26 28 16 16-0207** | | **240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)* | | |
| 26 28 16 16-0208 | EA | 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 666.79 | 129.73 |
| 26 28 16 16-0209 | EA | 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,090.35 | 179.64 |
| 26 28 16 16-0210 | EA | 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,435.12 | 206.00 |
| 26 28 16 16-0211 | EA | 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,906.46 | 333.58 |
| 26 28 16 16-0212 | EA | 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 4,253.93 | 556.46 |
| 26 28 16 16-0213 | EA | 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 7,771.24 | 741.91 |
| 26 28 16 16-0214 | EA | 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 12,518.45 | 882.85 |
| 26 28 16 16-0215 | EA | 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 16,533.95 | 1,008.91 |
| **26 28 16 16-0216** | | **600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)* | | |
| 26 28 16 16-0217 | EA | 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 750.89 | 142.96 |
| 26 28 16 16-0218 | EA | 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,235.81 | 200.07 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0219 | EA | 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,620.83 | 225.91 |
| 26 28 16 16-0220 | EA | 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,116.90 | 350.21 |
| 26 28 16 16-0221 | EA | 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 4,830.23 | 583.69 |
| 26 28 16 16-0222 | EA | 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 8,391.50 | 778.21 |
| 26 28 16 16-0223 | EA | 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 13,351.43 | 924.84 |
| 26 28 16 16-0224 | EA | 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 17,627.98 | 1,050.52 |
| 26 28 16 16-0225 | | 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)* | | |
| 26 28 16 16-0226 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 796.49 | 194.52 |
| 26 28 16 16-0227 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,269.93 | 269.40 |
| 26 28 16 16-0228 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,641.10 | 308.99 |
| 26 28 16 16-0229 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,239.97 | 500.36 |
| 26 28 16 16-0230 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 4,874.07 | 834.56 |
| 26 28 16 16-0231 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 8,637.91 | 1,112.54 |
| 26 28 16 16-0232 | EA | 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 13,540.62 | 1,323.71 |
| 26 28 16 16-0233 | EA | 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 17,939.22 | 1,512.81 |
| 26 28 16 16-0234 | | 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)* | | |
| 26 28 16 16-0235 | EA | 30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 865.29 | 214.32 |
| 26 28 16 16-0236 | EA | 60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,383.74 | 300.17 |
| 26 28 16 16-0237 | EA | 100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,773.99 | 338.87 |
| 26 28 16 16-0238 | EA | 200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,378.52 | 525.33 |
| 26 28 16 16-0239 | EA | 400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 5,184.59 | 875.41 |
| 26 28 16 16-0240 | EA | 600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 9,204.73 | 1,167.26 |
| 26 28 16 16-0241 | EA | 800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 14,444.53 | 1,386.74 |
| 26 28 16 16-0242 | EA | 1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 19,128.48 | 1,575.84 |
| 26 28 16 16-0243 | | 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)* | | |
| 26 28 16 16-0244 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 461.81 | 214.32 |
| 26 28 16 16-0245 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,435.93 | 300.17 |
| 26 28 16 16-0246 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,846.76 | 338.87 |
| 26 28 16 16-0247 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,467.08 | 525.33 |
| 26 28 16 16-0248 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 5,413.88 | 875.41 |
| 26 28 16 16-0249 | EA | 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 9,169.69 | 1,167.26 |
| 26 28 16 16-0250 | EA | 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 14,424.90 | 1,386.74 |
| 26 28 16 16-0251 | EA | 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 19,101.77 | 1,575.84 |
| 26 28 16 16-0252 | | General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required. | | |
| 26 28 16 16-0253 | | 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0254 | EA | 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 427.37 | 128.84 |
| 26 28 16 16-0255 | EA | 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 604.39 | 154.56 |
| 26 28 16 16-0256 | EA | 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 796.06 | 179.77 |
| 26 28 16 16-0257 | EA | 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,637.31 | 274.07 |
| 26 28 16 16-0258 | EA | 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 4,016.73 | 438.46 |
| 26 28 16 16-0259 | EA | 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 7,129.41 | 584.95 |
| 26 28 16 16-0260 | | 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)* | | |
| 26 28 16 16-0261 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 576.41 | 203.09 |
| 26 28 16 16-0262 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 833.07 | 268.65 |
| 26 28 16 16-0263 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,025.49 | 294.75 |
| 26 28 16 16-0264 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,003.82 | 456.74 |
| 26 28 16 16-0265 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 4,664.66 | 761.20 |
| 26 28 16 16-0266 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 7,999.93 | 1,015.35 |
| 26 28 16 16-0267 | | 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)* | | |
| 26 28 16 16-0268 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 649.52 | 202.97 |
| 26 28 16 16-0269 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 906.40 | 268.65 |
| 26 28 16 16-0270 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,261.53 | 294.75 |
| 26 28 16 16-0271 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,156.26 | 456.74 |
| 26 28 16 16-0272 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 4,762.59 | 761.32 |
| 26 28 16 16-0273 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 8,764.37 | 1,015.35 |
| 26 28 16 16-0274 | EA | 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 12,539.95 | 1,150.23 |
| 26 28 16 16-0275 | | General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)* | | |
| 26 28 16 16-0276 | | 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)* | | |
| 26 28 16 16-0277 | EA | 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 385.82 | 112.83 |
| 26 28 16 16-0278 | EA | 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 632.85 | 156.20 |
| 26 28 16 16-0279 | EA | 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 664.45 | 179.14 |
| 26 28 16 16-0280 | EA | 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,669.83 | 289.96 |
| 26 28 16 16-0281 | EA | 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 4,108.34 | 483.85 |
| 26 28 16 16-0282 | EA | 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 7,253.11 | 645.09 |
| 26 28 16 16-0283 | | 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)* | | |
| 26 28 16 16-0284 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 604.29 | 169.18 |
| 26 28 16 16-0285 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 870.37 | 234.24 |
| 26 28 16 16-0286 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 1,278.13 | 268.65 |
| 26 28 16 16-0287 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch | 2,198.44 | 435.05 |
| 26 28 16 16-0288 | | NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)* | | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0289 | | Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)* | | |
| | | Note: With fuses and neutral bar (stainless steel). | | |
| 26 28 16 16-0290 | | 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)* | | |
| 26 28 16 16-0291 | EA | 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 1,877.45 | 126.07 |
| 26 28 16 16-0292 | EA | 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,255.27 | 151.91 |
| 26 28 16 16-0293 | EA | 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 4,607.95 | 177.51 |
| 26 28 16 16-0294 | EA | 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 6,371.54 | 280.13 |
| 26 28 16 16-0295 | EA | 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 12,960.28 | 434.68 |
| 26 28 16 16-0296 | EA | 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 18,628.48 | 642.70 |
| 26 28 16 16-0297 | | 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)* | | |
| 26 28 16 16-0298 | EA | 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,383.57 | 140.06 |
| 26 28 16 16-0299 | EA | 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,649.95 | 168.68 |
| 26 28 16 16-0300 | EA | 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 4,981.84 | 197.17 |
| 26 28 16 16-0301 | EA | 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 7,039.06 | 311.38 |
| 26 28 16 16-0302 | EA | 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 13,457.67 | 483.35 |
| 26 28 16 16-0303 | EA | 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 19,295.28 | 714.05 |
| 26 28 16 16-0304 | | 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)* | | |
| 26 28 16 16-0305 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,106.78 | 198.18 |
| 26 28 16 16-0306 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,639.85 | 262.60 |
| 26 28 16 16-0307 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 5,046.98 | 291.85 |
| 26 28 16 16-0308 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 7,172.22 | 456.74 |
| 26 28 16 16-0309 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 13,991.70 | 750.35 |
| 26 28 16 16-0310 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 19,968.37 | 1,050.52 |
| 26 28 16 16-0311 | | 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)* | | |
| 26 28 16 16-0312 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,547.71 | 218.86 |
| 26 28 16 16-0313 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,903.37 | 291.85 |
| 26 28 16 16-0314 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 5,258.30 | 328.28 |
| 26 28 16 16-0315 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 7,436.75 | 500.23 |
| 26 28 16 16-0316 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 14,448.11 | 808.09 |
| 26 28 16 16-0317 | EA | 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 20,558.15 | 1,167.26 |
| 26 28 16 16-0318 | | 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)* | | |
| 26 28 16 16-0319 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,520.34 | 198.18 |
| 26 28 16 16-0320 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 3,156.86 | 262.60 |
| 26 28 16 16-0321 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 6,081.50 | 291.85 |
| 26 28 16 16-0322 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 8,586.88 | 456.74 |
| 26 28 16 16-0323 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 16,775.94 | 750.35 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0324 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 23,794.59 | 1,050.52 |
| **26 28 16 16-0325** | | **600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)* | | |
| 26 28 16 16-0326 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 3,036.39 | 218.86 |
| 26 28 16 16-0327 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 3,457.52 | 291.85 |
| 26 28 16 16-0328 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 6,314.28 | 328.28 |
| 26 28 16 16-0329 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 8,863.24 | 500.23 |
| 26 28 16 16-0330 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 17,269.91 | 808.09 |
| 26 28 16 16-0331 | EA | 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 24,436.53 | 1,167.26 |
| **26 28 16 16-0332** | | **Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0288)* | | |
| **26 28 16 16-0333** | | **240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)* | | |
| 26 28 16 16-0334 | EA | 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 1,801.13 | 126.07 |
| 26 28 16 16-0335 | EA | 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,191.31 | 175.36 |
| 26 28 16 16-0336 | EA | 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 4,130.78 | 201.71 |
| 26 28 16 16-0337 | EA | 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 5,729.36 | 322.22 |
| 26 28 16 16-0338 | EA | 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 10,432.91 | 536.54 |
| 26 28 16 16-0339 | EA | 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 14,944.14 | 730.94 |
| **26 28 16 16-0340** | | **600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)* | | |
| 26 28 16 16-0341 | EA | 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,048.50 | 139.06 |
| 26 28 16 16-0342 | EA | 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,496.65 | 196.67 |
| 26 28 16 16-0343 | EA | 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 4,708.06 | 224.15 |
| 26 28 16 16-0344 | EA | 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 6,511.77 | 350.21 |
| 26 28 16 16-0345 | EA | 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 11,849.70 | 576.38 |
| 26 28 16 16-0346 | EA | 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 17,022.14 | 806.83 |
| **26 28 16 16-0347** | | **240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)* | | |
| 26 28 16 16-0348 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 1,877.29 | 164.14 |
| 26 28 16 16-0349 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,267.99 | 228.44 |
| 26 28 16 16-0350 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,365.77 | 262.60 |
| 26 28 16 16-0351 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 4,567.79 | 420.18 |
| 26 28 16 16-0352 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 6,485.59 | 700.43 |
| 26 28 16 16-0353 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 15,836.40 | 955.09 |
| **26 28 16 16-0354** | | **600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)* | | |
| 26 28 16 16-0355 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,132.54 | 181.15 |
| 26 28 16 16-0356 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,615.89 | 256.29 |
| 26 28 16 16-0357 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 4,843.46 | 291.85 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0358 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 6,724.77 | 456.74 |
| 26 28 16 16-0359 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 13,434.13 | 750.35 |
| 26 28 16 16-0360 | EA | 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 18,016.89 | 1,050.52 |
| 26 28 16 16-0361 | | 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)* | | |
| 26 28 16 16-0362 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,584.32 | 164.14 |
| 26 28 16 16-0363 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 3,097.29 | 228.44 |
| 26 28 16 16-0364 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 6,981.68 | 262.60 |
| 26 28 16 16-0365 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 10,649.57 | 420.18 |
| 26 28 16 16-0366 | | 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)* | | |
| 26 28 16 16-0367 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 2,940.57 | 181.15 |
| 26 28 16 16-0368 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 3,530.21 | 256.29 |
| 26 28 16 16-0369 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 7,962.39 | 291.85 |
| 26 28 16 16-0370 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 12,123.95 | 456.74 |
| 26 28 16 16-0371 | | Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)* | | |
| 26 28 16 16-0372 | | 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)* | | |
| 26 28 16 16-0373 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 3,419.32 | 218.72 |
| 26 28 16 16-0374 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 3,895.60 | 291.85 |
| 26 28 16 16-0375 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 7,011.48 | 328.41 |
| 26 28 16 16-0376 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 9,122.90 | 500.48 |
| 26 28 16 16-0377 | | 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)* | | |
| 26 28 16 16-0378 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 3,203.07 | 180.90 |
| 26 28 16 16-0379 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 3,669.69 | 256.55 |
| 26 28 16 16-0380 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 6,629.07 | 291.85 |
| 26 28 16 16-0381 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 9,008.01 | 456.99 |
| 26 28 16 16-0382 | | Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)* | | |
| 26 28 16 16-0383 | | 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)* | | |
| 26 28 16 16-0384 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 3,911.37 | 218.72 |
| 26 28 16 16-0385 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 4,446.20 | 291.85 |
| 26 28 16 16-0386 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 8,052.74 | 328.41 |
| 26 28 16 16-0387 | | 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)* | | |
| 26 28 16 16-0388 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 3,668.63 | 180.90 |
| 26 28 16 16-0389 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 4,191.02 | 256.55 |
| 26 28 16 16-0390 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch | 7,628.51 | 291.85 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0391 | | NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500. | | |
| 26 28 16 16-0392 | | Heavy-Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0391)* Note: With fuses and neutral bar. | | |
| 26 28 16 16-0393 | EA | 30 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch | 3,089.72 | 252.14 |
| 26 28 16 16-0394 | EA | 60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch | 3,488.18 | 300.17 |
| 26 28 16 16-0395 | EA | 100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch | 3,868.02 | 338.87 |
| 26 28 16 16-0396 | EA | 200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch | 8,217.26 | 525.33 |
| 26 28 16 16-0397 | | Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0391)* | | |
| 26 28 16 16-0398 | EA | 60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch | 2,394.87 | 300.17 |
| 26 28 16 16-0399 | EA | 100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch | 2,803.27 | 338.87 |
| 26 28 16 16-0400 | EA | 200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch | 5,158.20 | 525.33 |
| 26 28 16 16-0401 | | NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)* | | |
| 26 28 16 16-0402 | | Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)* Note: With fuses and neutral bar. | | |
| 26 28 16 16-0403 | | 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)* | | |
| 26 28 16 16-0404 | EA | 30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 681.39 | 126.07 |
| 26 28 16 16-0405 | EA | 60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 890.43 | 151.91 |
| 26 28 16 16-0406 | EA | 100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,216.46 | 177.76 |
| 26 28 16 16-0407 | EA | 200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 2,052.68 | 279.86 |
| 26 28 16 16-0408 | EA | 400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 4,388.42 | 434.93 |
| 26 28 16 16-0409 | EA | 600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 7,930.23 | 642.95 |
| 26 28 16 16-0410 | | 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)* | | |
| 26 28 16 16-0411 | EA | 30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,072.72 | 139.94 |
| 26 28 16 16-0412 | EA | 60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,104.87 | 168.93 |
| 26 28 16 16-0413 | EA | 100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,593.73 | 197.30 |
| 26 28 16 16-0414 | EA | 200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 2,493.31 | 311.38 |
| 26 28 16 16-0415 | EA | 400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 5,449.53 | 482.84 |
| 26 28 16 16-0416 | EA | 600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 10,792.04 | 714.17 |
| 26 28 16 16-0417 | | 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)* | | |
| 26 28 16 16-0418 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 945.88 | 197.93 |
| 26 28 16 16-0419 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,310.83 | 262.85 |
| 26 28 16 16-0420 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,792.72 | 291.85 |
| 26 28 16 16-0421 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 2,663.45 | 456.99 |
| 26 28 16 16-0422 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 5,235.37 | 750.10 |
| 26 28 16 16-0423 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 8,412.55 | 1,050.77 |
| 26 28 16 16-0424 | | 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)* | | |
| 26 28 16 16-0425 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,262.01 | 218.72 |
| 26 28 16 16-0426 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,426.94 | 291.85 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0427 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 2,108.58 | 328.41 |
| 26 28 16 16-0428 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 3,067.56 | 500.48 |
| 26 28 16 16-0429 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 6,441.39 | 808.09 |
| 26 28 16 16-0430 | EA | 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 12,137.06 | 1,167.38 |
| **26 28 16 16-0431** | | **240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)* | | |
| 26 28 16 16-0432 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,011.49 | 197.93 |
| 26 28 16 16-0433 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,355.90 | 262.85 |
| 26 28 16 16-0434 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,934.19 | 291.85 |
| 26 28 16 16-0435 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 2,841.07 | 456.99 |
| 26 28 16 16-0436 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 5,710.93 | 750.10 |
| 26 28 16 16-0437 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 8,733.83 | 1,050.77 |
| **26 28 16 16-0438** | | **600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)* | | |
| 26 28 16 16-0439 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,338.08 | 218.72 |
| 26 28 16 16-0440 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,629.85 | 291.85 |
| 26 28 16 16-0441 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 2,248.10 | 328.41 |
| 26 28 16 16-0442 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 3,333.85 | 500.48 |
| 26 28 16 16-0443 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 6,872.54 | 808.09 |
| 26 28 16 16-0444 | EA | 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 12,492.12 | 1,167.38 |
| **26 28 16 16-0445** | | **Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0401)* | | |
| **26 28 16 16-0446** | | **240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)* | | |
| 26 28 16 16-0447 | EA | 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 713.32 | 182.17 |
| 26 28 16 16-0448 | EA | 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 945.47 | 254.03 |
| 26 28 16 16-0449 | EA | 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,255.49 | 291.85 |
| 26 28 16 16-0450 | EA | 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,788.53 | 467.08 |
| 26 28 16 16-0451 | EA | 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 3,943.85 | 778.46 |
| 26 28 16 16-0452 | EA | 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 6,252.37 | 1,061.49 |
| **26 28 16 16-0453** | | **600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)* | | |
| 26 28 16 16-0454 | EA | 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 795.17 | 201.08 |
| 26 28 16 16-0455 | EA | 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,050.71 | 284.92 |
| 26 28 16 16-0456 | EA | 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,399.34 | 323.99 |
| 26 28 16 16-0457 | EA | 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,943.26 | 507.42 |
| 26 28 16 16-0458 | EA | 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 4,175.43 | 833.93 |
| 26 28 16 16-0459 | EA | 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 6,908.11 | 1,167.38 |
| **26 28 16 16-0460** | | **240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)* | | |
| 26 28 16 16-0461 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 918.54 | 163.89 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0462 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,207.46 | 228.18 |
| 26 28 16 16-0463 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,611.21 | 262.85 |
| 26 28 16 16-0464 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 2,295.99 | 420.43 |
| 26 28 16 16-0465 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 4,851.93 | 700.31 |
| 26 28 16 16-0466 | EA | 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 7,669.24 | 954.96 |
| 26 28 16 16-0467 | | 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)* | | |
| 26 28 16 16-0468 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 897.41 | 180.90 |
| 26 28 16 16-0469 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,305.04 | 256.55 |
| 26 28 16 16-0470 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,724.95 | 291.85 |
| 26 28 16 16-0471 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 2,264.07 | 456.99 |
| 26 28 16 16-0472 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 4,867.64 | 750.10 |
| 26 28 16 16-0473 | EA | 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 9,139.14 | 1,050.77 |
| 26 28 16 16-0474 | | 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)* | | |
| 26 28 16 16-0475 | EA | 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,106.24 | 163.89 |
| 26 28 16 16-0476 | EA | 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,314.21 | 228.18 |
| 26 28 16 16-0477 | EA | 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 2,048.51 | 262.85 |
| 26 28 16 16-0478 | EA | 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 3,248.08 | 420.43 |
| 26 28 16 16-0479 | EA | 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 5,894.01 | 535.79 |
| 26 28 16 16-0480 | | 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)* | | |
| 26 28 16 16-0481 | EA | 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,148.50 | 180.90 |
| 26 28 16 16-0482 | EA | 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 1,431.86 | 256.55 |
| 26 28 16 16-0483 | EA | 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 2,187.81 | 291.85 |
| 26 28 16 16-0484 | EA | 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 3,335.61 | 456.99 |
| 26 28 16 16-0485 | EA | 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch | 6,259.08 | 705.98 |
| 26 28 16 16-0486 | | Double Throw Safety Switches *(26 28 16 16-0001)* | | |
| 26 28 16 16-0487 | | NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)* | | |
| 26 28 16 16-0488 | | 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)* | | |
| 26 28 16 16-0489 | EA | 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 855.11 | 161.99 |
| 26 28 16 16-0490 | EA | 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 1,264.72 | 211.79 |
| 26 28 16 16-0491 | EA | 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 1,775.07 | 276.72 |
| 26 28 16 16-0492 | EA | 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 2,367.55 | 359.92 |
| 26 28 16 16-0493 | EA | 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 5,735.28 | 450.06 |
| 26 28 16 16-0494 | EA | 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 10,439.48 | 721.73 |
| 26 28 16 16-0495 | EA | 800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 11,965.93 | 1,008.54 |
| 26 28 16 16-0496 | EA | 1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 17,653.47 | 1,134.61 |
| 26 28 16 16-0497 | EA | 1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 20,805.03 | 1,260.68 |
| 26 28 16 16-0498 | | 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)* | | |
| 26 28 16 16-0499 | EA | 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 1,077.83 | 226.92 |
| 26 28 16 16-0500 | EA | 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 1,505.64 | 296.26 |
| 26 28 16 16-0501 | EA | 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 2,269.60 | 387.65 |
| 26 28 16 16-0502 | EA | 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,336.33 | 504.27 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0503 | EA | 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 7,902.59 | 630.34 |
| 26 28 16 16-0504 | EA | 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 11,020.25 | 1,008.54 |
| 26 28 16 16-0505 | EA | 800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 12,903.20 | 1,134.61 |
| 26 28 16 16-0506 | EA | 1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 18,474.80 | 1,260.68 |
| 26 28 16 16-0507 | EA | 1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 21,909.62 | 1,386.74 |
| 26 28 16 16-0508 | EA | 1,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 25,376.16 | 1,638.87 |
| 26 28 16 16-0509 | EA | 2,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 28,881.01 | 1,891.01 |
| 26 28 16 16-0510 | EA | 2,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 39,351.57 | 2,143.14 |
| 26 28 16 16-0511 | EA | 3,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 43,220.34 | 2,395.28 |

## 26 28 16 16-0512 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*

| | | | | |
|---|---|---|---|---|
| 26 28 16 16-0513 | EA | 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 1,433.11 | 283.65 |
| 26 28 16 16-0514 | EA | 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 2,087.29 | 370.64 |
| 26 28 16 16-0515 | EA | 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,713.74 | 484.10 |
| 26 28 16 16-0516 | EA | 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 5,088.99 | 629.08 |
| 26 28 16 16-0517 | EA | 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 10,282.47 | 787.92 |
| 26 28 16 16-0518 | EA | 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 12,994.78 | 1,262.56 |
| 26 28 16 16-0519 | EA | 800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 16,458.16 | 1,386.74 |
| 26 28 16 16-0520 | EA | 1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 21,915.39 | 1,449.77 |
| 26 28 16 16-0521 | EA | 1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 24,588.15 | 1,512.81 |
| 26 28 16 16-0522 | EA | 1,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 30,015.89 | 1,764.94 |
| 26 28 16 16-0523 | EA | 2,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 34,538.73 | 2,017.08 |
| 26 28 16 16-0524 | EA | 2,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 49,094.07 | 2,269.21 |
| 26 28 16 16-0525 | EA | 3,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 54,281.18 | 2,521.35 |

## 26 28 16 16-0526 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*

| | | | | |
|---|---|---|---|---|
| 26 28 16 16-0527 | EA | 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 1,462.47 | 211.79 |
| 26 28 16 16-0528 | EA | 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 2,201.46 | 276.72 |
| 26 28 16 16-0529 | EA | 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,247.71 | 359.92 |
| 26 28 16 16-0530 | EA | 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 7,681.15 | 450.06 |
| 26 28 16 16-0531 | EA | 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 11,350.57 | 721.73 |
| 26 28 16 16-0532 | EA | 800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 12,960.86 | 1,008.54 |
| 26 28 16 16-0533 | EA | 1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 19,191.89 | 1,134.61 |
| 26 28 16 16-0534 | EA | 1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 22,633.40 | 1,260.68 |

## 26 28 16 16-0535 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*

| | | | | |
|---|---|---|---|---|
| 26 28 16 16-0536 | EA | 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 1,631.21 | 296.26 |
| 26 28 16 16-0537 | EA | 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 2,422.68 | 387.65 |
| 26 28 16 16-0538 | EA | 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,535.20 | 504.27 |
| 26 28 16 16-0539 | EA | 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 8,041.41 | 630.34 |
| 26 28 16 16-0540 | EA | 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 11,925.98 | 1,008.54 |
| 26 28 16 16-0541 | EA | 800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 13,966.60 | 1,134.61 |
| 26 28 16 16-0542 | EA | 1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 19,234.48 | 1,260.68 |
| 26 28 16 16-0543 | EA | 1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 23,823.25 | 1,386.74 |
| 26 28 16 16-0544 | EA | 1,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 28,801.42 | 1,638.87 |
| 26 28 16 16-0545 | EA | 2,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 32,771.34 | 1,891.01 |
| 26 28 16 16-0546 | EA | 2,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 39,351.51 | 2,143.14 |
| 26 28 16 16-0547 | EA | 3,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 47,063.31 | 2,395.28 |

## 26 28 16 16-0548 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*

| | | | | |
|---|---|---|---|---|
| 26 28 16 16-0549 | EA | 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 2,211.04 | 370.64 |
| 26 28 16 16-0550 | EA | 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,892.84 | 484.10 |
| 26 28 16 16-0551 | EA | 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 5,458.74 | 629.08 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0552 | EA | 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 11,070.84 | 787.92 |
| 26 28 16 16-0553 | EA | 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 13,877.87 | 1,262.56 |
| 26 28 16 16-0554 | EA | 800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 17,826.63 | 1,386.74 |
| 26 28 16 16-0555 | EA | 1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 23,816.98 | 1,449.77 |
| 26 28 16 16-0556 | EA | 1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 26,744.40 | 1,512.81 |
| 26 28 16 16-0557 | EA | 1,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 32,664.49 | 1,764.94 |
| 26 28 16 16-0558 | EA | 2,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 37,589.19 | 2,017.08 |
| 26 28 16 16-0559 | EA | 2,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 53,549.64 | 2,269.21 |
| 26 28 16 16-0560 | EA | 3,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch | 59,205.03 | 2,521.35 |
| **26 28 16 16-0561** | | **NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)* | | |
| **26 28 16 16-0562** | | **240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)* | | |
| 26 28 16 16-0563 | EA | 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 2,223.39 | 276.72 |
| 26 28 16 16-0564 | EA | 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 5,119.27 | 359.92 |
| 26 28 16 16-0565 | EA | 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 16,820.23 | 450.06 |
| 26 28 16 16-0566 | EA | 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 28,973.65 | 721.73 |
| **26 28 16 16-0567** | | **240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)* | | |
| 26 28 16 16-0568 | EA | 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 2,912.49 | 387.02 |
| 26 28 16 16-0569 | EA | 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 4,711.08 | 503.64 |
| 26 28 16 16-0570 | EA | 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 17,330.50 | 630.34 |
| 26 28 16 16-0571 | EA | 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 18,810.38 | 1,010.43 |
| **26 28 16 16-0572** | | **240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)* | | |
| 26 28 16 16-0573 | EA | 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 2,813.62 | 283.77 |
| 26 28 16 16-0574 | EA | 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 3,487.68 | 370.39 |
| 26 28 16 16-0575 | EA | 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 4,893.28 | 483.97 |
| 26 28 16 16-0576 | EA | 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 7,081.28 | 629.33 |
| 26 28 16 16-0577 | EA | 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 12,044.39 | 787.92 |
| 26 28 16 16-0578 | EA | 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 14,025.50 | 1,262.69 |
| **26 28 16 16-0579** | | **600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)* | | |
| 26 28 16 16-0580 | EA | 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 1,887.38 | 211.79 |
| 26 28 16 16-0581 | EA | 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 2,876.00 | 276.72 |
| 26 28 16 16-0582 | EA | 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 5,245.95 | 359.92 |
| 26 28 16 16-0583 | EA | 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 10,111.65 | 450.06 |
| 26 28 16 16-0584 | EA | 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 13,504.08 | 721.73 |
| **26 28 16 16-0585** | | **600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)* | | |
| 26 28 16 16-0586 | EA | 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 2,133.99 | 296.26 |
| 26 28 16 16-0587 | EA | 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 3,219.74 | 387.02 |
| 26 28 16 16-0588 | EA | 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 5,771.61 | 503.64 |
| 26 28 16 16-0589 | EA | 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 10,956.76 | 630.34 |
| 26 28 16 16-0590 | EA | 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 14,713.46 | 1,010.43 |
| **26 28 16 16-0591** | | **600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)* | | |
| 26 28 16 16-0592 | EA | 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 3,516.35 | 370.39 |
| 26 28 16 16-0593 | EA | 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 4,906.43 | 483.97 |
| 26 28 16 16-0594 | EA | 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 7,263.85 | 629.33 |
| 26 28 16 16-0595 | EA | 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 12,022.83 | 787.92 |
| 26 28 16 16-0596 | EA | 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch | 14,144.32 | 1,262.69 |
| **26 28 16 16-0597** | | **NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)* | | |
| **26 28 16 16-0598** | | **240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)* | | |
| 26 28 16 16-0599 | EA | 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 2,256.42 | 162.12 |
| 26 28 16 16-0600 | EA | 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 2,553.90 | 211.67 |
| 26 28 16 16-0601 | EA | 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 2,887.10 | 276.59 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0602 | EA | 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,970.44 | 359.67 |
| 26 28 16 16-0603 | EA | 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 7,434.77 | 450.19 |
| 26 28 16 16-0604 | EA | 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 10,898.61 | 721.48 |
| 26 28 16 16-0605 | | 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)* | | |
| 26 28 16 16-0606 | EA | 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 2,590.00 | 226.92 |
| 26 28 16 16-0607 | EA | 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,061.50 | 296.26 |
| 26 28 16 16-0608 | EA | 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,630.53 | 387.02 |
| 26 28 16 16-0609 | EA | 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 5,064.43 | 503.64 |
| 26 28 16 16-0610 | EA | 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 9,251.67 | 630.34 |
| 26 28 16 16-0611 | EA | 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 12,212.30 | 1,010.43 |
| 26 28 16 16-0612 | | 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)* | | |
| 26 28 16 16-0613 | EA | 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,873.65 | 283.77 |
| 26 28 16 16-0614 | EA | 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 4,529.39 | 370.39 |
| 26 28 16 16-0615 | EA | 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 6,211.67 | 483.97 |
| 26 28 16 16-0616 | EA | 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 8,440.15 | 629.33 |
| 26 28 16 16-0617 | EA | 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 15,651.85 | 787.92 |
| 26 28 16 16-0618 | EA | 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 19,426.70 | 1,262.69 |
| 26 28 16 16-0619 | | 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)* | | |
| 26 28 16 16-0620 | EA | 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,374.20 | 211.67 |
| 26 28 16 16-0621 | EA | 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,544.21 | 276.59 |
| 26 28 16 16-0622 | EA | 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 6,731.56 | 359.67 |
| 26 28 16 16-0623 | EA | 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 9,719.14 | 450.19 |
| 26 28 16 16-0624 | EA | 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 13,041.63 | 721.48 |
| 26 28 16 16-0625 | | 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)* | | |
| 26 28 16 16-0626 | EA | 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,698.80 | 296.26 |
| 26 28 16 16-0627 | EA | 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 3,923.00 | 387.02 |
| 26 28 16 16-0628 | EA | 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 7,335.17 | 503.64 |
| 26 28 16 16-0629 | EA | 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 10,543.22 | 630.34 |
| 26 28 16 16-0630 | EA | 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 14,226.18 | 1,010.43 |
| 26 28 16 16-0631 | | 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)* | | |
| 26 28 16 16-0632 | EA | 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 4,576.12 | 370.39 |
| 26 28 16 16-0633 | EA | 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 6,556.40 | 483.97 |
| 26 28 16 16-0634 | EA | 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 8,643.34 | 629.33 |
| 26 28 16 16-0635 | EA | 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 16,089.20 | 787.92 |
| 26 28 16 16-0636 | EA | 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch | 20,006.41 | 1,262.69 |
| 26 28 16 16-0637 | | Removal And Reinstallation Of Disconnect (Safety) Switches *(26 28 16 16-0001)*<br>Note: Includes storage and cleaning. | | |
| 26 28 16 16-0638 | EA | Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch | 630.34 | |
| 26 28 16 16-0639 | EA | Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch | 819.47 | |
| 26 28 16 16-0640 | EA | Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch | 914.06 | |
| 26 28 16 16-0641 | EA | Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch | 1,071.64 | |
| 26 28 16 16-0642 | | Bolted Contact Switches *(26 28 16 16)*<br>Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch. | | |
| 26 28 16 16-0643 | | Electrical Trip, Bolted Contact Switches *(26 28 16 16-0642)* | | |
| 26 28 16 16-0644 | | Top Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 16-0643)* | | |
| 26 28 16 16-0645 | EA | 800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480) | 10,414.65 | 1,260.68 |
| 26 28 16 16-0646 | EA | 1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480) | 11,257.58 | 1,512.81 |
| 26 28 16 16-0647 | EA | 1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480) | 12,237.27 | 1,764.94 |
| 26 28 16 16-0648 | EA | 2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480) | 12,904.35 | 2,017.08 |
| 26 28 16 16-0649 | EA | 2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480) | 14,574.39 | 2,269.21 |
| 26 28 16 16-0650 | EA | 3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480) | 18,315.43 | 2,521.35 |
| 26 28 16 16-0651 | EA | 4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480) | 24,729.45 | 3,025.62 |
| 26 28 16 16-0652 | | Bottom Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 16-0643)* | | |
| 26 28 16 16-0653 | EA | 800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480) | 11,046.38 | 1,260.68 |
| 26 28 16 16-0654 | EA | 1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480) | 12,013.04 | 1,512.81 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 28 16 16-0655 | EA | 1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480) | 12,986.22 | 1,764.94 |
| 26 28 16 16-0656 | EA | 2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480) | 13,978.93 | 2,017.08 |
| 26 28 16 16-0657 | EA | 2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480) | 15,733.63 | 2,269.21 |
| 26 28 16 16-0658 | EA | 3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480) | 20,490.65 | 2,521.35 |
| 26 28 16 16-0659 | EA | 4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480) | 26,995.84 | 3,025.62 |

### 26 28 16 16-0660 Manually Operated, Bolted Contact Switches *(26 28 16 16-0642)*

### 26 28 16 16-0661 Top Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0660)*

| | | | | |
|---|---|---|---|---|
| 26 28 16 16-0662 | EA | 800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480) | 7,575.15 | 1,260.68 |
| 26 28 16 16-0663 | EA | 1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480) | 8,451.94 | 1,512.81 |
| 26 28 16 16-0664 | EA | 1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480) | 9,382.13 | 1,764.94 |
| 26 28 16 16-0665 | EA | 2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480) | 10,304.51 | 2,017.08 |
| 26 28 16 16-0666 | EA | 2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480) | 11,292.02 | 2,269.21 |
| 26 28 16 16-0667 | EA | 3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480) | 15,033.07 | 2,521.35 |
| 26 28 16 16-0668 | EA | 4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480) | 21,368.93 | 3,025.62 |

### 26 28 16 16-0669 Bottom Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0660)*

| | | | | |
|---|---|---|---|---|
| 26 28 16 16-0670 | EA | 800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480) | 7,993.26 | 1,260.68 |
| 26 28 16 16-0671 | EA | 1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480) | 9,083.66 | 1,512.81 |
| 26 28 16 16-0672 | EA | 1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480) | 9,994.32 | 1,764.94 |
| 26 28 16 16-0673 | EA | 2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480) | 11,113.37 | 2,017.08 |
| 26 28 16 16-0674 | EA | 2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480) | 12,307.99 | 2,269.21 |
| 26 28 16 16-0675 | EA | 3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480) | 17,045.47 | 2,521.35 |
| 26 28 16 16-0676 | EA | 4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480) | 23,479.02 | 3,025.62 |

## 26 29 Low-Voltage Controllers *(26 20)*

### 26 29 13 Enclosed Controllers *(26 29)*

### 26 29 13 13 Across-The-Line Motor Controllers *(26 29 13)*

### 26 29 13 13-0001 Manual Motor Starters *(26 29 13 13)*

### 26 29 13 13-0002 Fractional HP Manual Motor Starters *(26 29 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0003 | EA | NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1) | 245.99 | 63.13 |
| | | *For Flush Cover Plate In Lieu Of NEMA 1, Deduct* | *-3.34* | |
| | | *For Oversized Enclosure, Add* | *33.41* | |
| | | *For Pilot Light, Add* | *49.00* | |
| 26 29 13 13-0004 | EA | NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2) | 322.29 | 82.07 |
| | | *For Flush Cover Plate In Lieu Of NEMA 1, Deduct* | *-3.34* | |
| | | *For Oversized Enclosure, Add* | *33.41* | |
| | | *For Pilot Light, Add* | *49.00* | |
| 26 29 13 13-0005 | EA | NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3) | 279.39 | 63.13 |
| | | *For Flush Cover Plate In Lieu Of NEMA 1, Deduct* | *-3.34* | |
| | | *For Oversized Enclosure, Add* | *33.41* | |
| | | *For Pilot Light, Add* | *49.00* | |
| 26 29 13 13-0006 | EA | NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4) | 355.70 | 82.07 |
| | | *For Flush Cover Plate In Lieu Of NEMA 1, Deduct* | *-3.34* | |
| | | *For Oversized Enclosure, Add* | *33.41* | |
| | | *For Pilot Light, Add* | *49.00* | |
| 26 29 13 13-0007 | EA | NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5) | 260.46 | 63.13 |
| | | *For Oversized Enclosure, Add* | *33.41* | |
| 26 29 13 13-0008 | EA | NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6) | 341.22 | 82.07 |
| | | *For Oversized Enclosure, Add* | *33.41* | |
| 26 29 13 13-0009 | EA | NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1) | 531.81 | 75.76 |
| | | *For Pilot Light, Add* | *128.06* | |
| 26 29 13 13-0010 | EA | NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2) | 611.46 | 94.70 |
| | | *For Pilot Light, Add* | *128.06* | |
| 26 29 13 13-0011 | EA | NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1) | 565.21 | 75.76 |
| 26 29 13 13-0012 | EA | NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2) | 641.52 | 94.70 |

### 26 29 13 13-0013 Non-Reversing Manual Motor Starters *(26 29 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0014 | EA | NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) Note: NEMA 1 or flush cover plate installation. | 197.19 | 63.13 |
| | | *For Oversize Enclosure, Add* | *16.12* | |
| | | *For Pilot Light, Add* | *77.36* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0015 | EA | NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2)<br>Note: NEMA 1 or flush cover plate installation. | 324.25 | 82.07 |
| | | *For Oversize Enclosure, Add* | *16.12* | |
| | | *For Pilot Light, Add* | *77.36* | |
| 26 29 13 13-0016 | EA | NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5)<br>Note: NEMA 1 or flush cover plate installation. | 222.70 | 69.45 |
| | | *For Oversize Enclosure, Add* | *16.12* | |
| | | *For Pilot Light, Add* | *77.36* | |
| 26 29 13 13-0017 | EA | NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6)<br>Note: NEMA 1 or flush cover plate installation. | 350.84 | 88.39 |
| | | *For Oversize Enclosure, Add* | *16.12* | |
| | | *For Pilot Light, Add* | *77.36* | |
| 26 29 13 13-0018 | EA | NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3)<br>Note: NEMA 1 or flush cover plate installation. | 228.35 | 63.13 |
| | | *For Oversize Enclosure, Add* | *16.12* | |
| | | *For Pilot Light, Add* | *77.36* | |
| 26 29 13 13-0019 | EA | NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4)<br>Note: NEMA 1 or flush cover plate installation. | 356.48 | 82.07 |
| | | *For Oversize Enclosure, Add* | *16.12* | |
| | | *For Pilot Light, Add* | *77.36* | |
| 26 29 13 13-0020 | EA | NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1) | 488.91 | 75.76 |
| | | *For Pilot Light, Add* | *122.49* | |
| 26 29 13 13-0021 | EA | NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2) | 604.15 | 94.70 |
| | | *For Pilot Light, Add* | *122.49* | |
| 26 29 13 13-0022 | EA | NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5) | 515.51 | 82.07 |
| | | *For Pilot Light, Add* | *122.49* | |
| 26 29 13 13-0023 | EA | NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6) | 627.52 | 101.01 |
| | | *For Pilot Light, Add* | *122.49* | |
| 26 29 13 13-0024 | EA | NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1) | 518.99 | 75.76 |
| 26 29 13 13-0025 | EA | NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2) | 642.83 | 94.70 |
| 26 29 13 13-0026 | EA | Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1) | 144.26 | 44.19 |
| | | *For Pilot Light, Add* | *77.36* | |
| 26 29 13 13-0027 | EA | Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2) | 271.32 | 63.13 |
| | | *For Pilot Light, Add* | *77.36* | |
| 26 29 13 13-0028 | EA | Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5) | 169.78 | 50.51 |
| | | *For Pilot Light, Add* | *77.36* | |
| 26 29 13 13-0029 | EA | Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6) | 296.84 | 69.45 |
| | | *For Pilot Light, Add* | *77.36* | |

## 26 29 13 13-0030 Reversing Manual Motor Starters *(26 29 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0031 | EA | NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11) | 535.66 | 113.64 |
| | | *For Pilot Light, Add* | *124.64* | |
| 26 29 13 13-0032 | EA | NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22) | 776.89 | 151.52 |
| | | *For Pilot Light, Add* | *124.64* | |

## 26 29 13 13-0033 Two Speed Manual Motor Starters *(26 29 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0034 | EA | NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11) | 535.66 | 113.64 |
| 26 29 13 13-0035 | EA | NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22) | 776.89 | 151.52 |

## 26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters *(26 29 13 13-0001)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0037 | EA | NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1) | 493.40 | 75.76 |
| 26 29 13 13-0038 | EA | NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1) | 493.40 | 75.76 |
| 26 29 13 13-0039 | EA | NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11) | 1,026.43 | 88.39 |
| 26 29 13 13-0040 | EA | NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1) | 1,026.43 | 88.39 |
| 26 29 13 13-0041 | EA | NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1) | 1,342.68 | 88.39 |
| 26 29 13 13-0042 | EA | Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1) | 628.89 | 88.39 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0043 | EA | Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1) | 422.11 | 56.82 |
| 26 29 13 13-0044 | EA | NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1) | 586.21 | 82.07 |
| 26 29 13 13-0045 | EA | NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1) | 586.21 | 82.07 |
| 26 29 13 13-0046 | EA | NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11) | 1,229.48 | 94.70 |
| 26 29 13 13-0047 | EA | NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1) | 1,229.48 | 94.70 |
| 26 29 13 13-0048 | EA | NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1) | 1,570.22 | 94.70 |
| 26 29 13 13-0049 | EA | Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1) | 721.70 | 94.70 |
| 26 29 13 13-0050 | EA | Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1) | 514.92 | 63.13 |
| 26 29 13 13-0051 | EA | NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2) | 771.43 | 88.39 |
| 26 29 13 13-0052 | EA | NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2) | 771.43 | 88.39 |
| 26 29 13 13-0053 | EA | NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12) | 1,462.59 | 101.01 |
| 26 29 13 13-0054 | EA | NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2) | 1,462.59 | 101.01 |
| 26 29 13 13-0055 | EA | NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2) | 1,788.86 | 101.01 |
| 26 29 13 13-0056 | EA | Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2) | 910.27 | 101.01 |
| 26 29 13 13-0057 | EA | Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2) | 703.48 | 69.45 |
| 26 29 13 13-0058 | EA | NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2) | 610.91 | 94.70 |
| 26 29 13 13-0059 | EA | NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2) | 610.91 | 94.70 |
| 26 29 13 13-0060 | EA | NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12) | 1,143.94 | 107.33 |
| 26 29 13 13-0061 | EA | NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2) | 1,143.94 | 107.33 |
| 26 29 13 13-0062 | EA | NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2) | 1,469.10 | 107.33 |
| 26 29 13 13-0063 | EA | Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2) | 747.51 | 107.33 |
| 26 29 13 13-0064 | EA | Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2) | 542.96 | 75.76 |
| 26 29 13 13-0065 | EA | NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3) | 703.71 | 101.01 |
| 26 29 13 13-0066 | EA | NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3) | 703.71 | 101.01 |
| 26 29 13 13-0067 | EA | NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13) | 1,346.99 | 113.64 |
| 26 29 13 13-0068 | EA | NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3) | 1,346.99 | 113.64 |
| 26 29 13 13-0069 | EA | NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3) | 1,695.53 | 113.64 |
| 26 29 13 13-0070 | EA | Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3) | 839.21 | 113.64 |
| 26 29 13 13-0071 | EA | Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3) | 632.43 | 82.07 |
| **26 29 13 13-0072** | | **Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)* | | |
| 26 29 13 13-0073 | EA | NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1) | 1,432.75 | 132.58 |
| 26 29 13 13-0074 | EA | NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1) | 1,432.75 | 132.58 |
| 26 29 13 13-0075 | EA | Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1) | 1,262.34 | 94.70 |
| 26 29 13 13-0076 | EA | NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1) | 1,695.19 | 145.21 |
| 26 29 13 13-0077 | EA | Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1) | 1,524.77 | 107.33 |
| **26 29 13 13-0078** | | **Two Speed Integral HP Manual Motor Starters** *(26 29 13 13-0001)* | | |
| 26 29 13 13-0079 | EA | NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1) | 1,432.75 | 132.58 |
| 26 29 13 13-0080 | EA | Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1) | 1,262.34 | 94.70 |
| 26 29 13 13-0081 | EA | NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1) | 1,695.19 | 145.21 |
| 26 29 13 13-0082 | EA | Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1) | 1,524.77 | 107.33 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0083 | | Magnetic Motor Starters *(26 29 13 13)* | | |
| 26 29 13 13-0084 | | Non-Reversing, Magnetic Contactors *(26 29 13 13-0083)* | | |
| 26 29 13 13-0085 | | Open Enclosure, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)* | | |
| 26 29 13 13-0086 | EA | Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11) | 572.12 | 126.27 |
| | | *For Factory Installed Accessory, Deduct* | *-252.53* | |
| 26 29 13 13-0087 | EA | Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12) | 644.15 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0088 | EA | Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5) | 618.89 | 126.27 |
| | | *For Factory Installed Accessory, Deduct* | *-252.53* | |
| 26 29 13 13-0089 | EA | Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1) | 692.03 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0090 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2) | 764.05 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0091 | EA | Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3) | 965.64 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0092 | EA | Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4) | 1,216.23 | 227.28 |
| | | *For Factory Installed Accessory, Deduct* | *-454.56* | |
| 26 29 13 13-0093 | EA | Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5) | 722.10 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0094 | EA | Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1) | 794.12 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0095 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2) | 868.36 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0096 | EA | Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3) | 1,108.95 | 220.97 |
| | | *For Factory Installed Accessory, Deduct* | *-441.93* | |
| 26 29 13 13-0097 | EA | Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4) | 1,358.42 | 258.85 |
| | | *For Factory Installed Accessory, Deduct* | *-517.69* | |
| 26 29 13 13-0098 | EA | Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1) | 1,223.95 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0099 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2) | 1,360.95 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0100 | EA | Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3) | 1,773.40 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0101 | EA | Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1) | 1,837.55 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0102 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2) | 2,091.87 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0103 | EA | Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3) | 2,661.34 | 315.66 |
| | | *For Factory Installed Accessory, Deduct* | *-631.33* | |
| 26 29 13 13-0104 | EA | Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4) | 3,803.16 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |
| 26 29 13 13-0105 | EA | Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1) | 4,152.38 | 315.66 |
| | | *For Factory Installed Accessory, Deduct* | *-631.33* | |
| 26 29 13 13-0106 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2) | 4,564.83 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |
| 26 29 13 13-0107 | EA | Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3) | 6,181.03 | 441.93 |
| | | *For Factory Installed Accessory, Deduct* | *-883.86* | |
| 26 29 13 13-0108 | EA | Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1) | 8,387.66 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |
| 26 29 13 13-0109 | EA | Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2) | 9,307.21 | 505.06 |
| | | *For Factory Installed Accessory, Deduct* | *-1,010.13* | |
| 26 29 13 13-0110 | EA | Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2) | 24,163.71 | 757.60 |
| | | *For Factory Installed Accessory, Deduct* | *-1,515.18* | |
| 26 29 13 13-0111 | EA | Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2) | 34,596.97 | 1,136.39 |
| | | *For Factory Installed Accessory, Deduct* | *-2,272.78* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 29 13 13-0112** | | **NEMA 1, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)* | | |
| 26 29 13 13-0113 | EA | Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11) | 606.64 | 126.27 |
| | | *For Factory Installed Accessory, Deduct* | *-252.53* | |
| 26 29 13 13-0114 | EA | Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12) | 678.67 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0115 | EA | Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5) | 653.41 | 126.27 |
| | | *For Factory Installed Accessory, Deduct* | *-252.53* | |
| 26 29 13 13-0116 | EA | Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1) | 727.67 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0117 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2) | 799.68 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0118 | EA | Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3) | 1,003.50 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0119 | EA | Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4) | 1,255.20 | 227.28 |
| | | *For Factory Installed Accessory, Deduct* | *-454.56* | |
| 26 29 13 13-0120 | EA | Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5) | 758.84 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0121 | EA | Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1) | 833.09 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0122 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2) | 905.11 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0123 | EA | Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3) | 1,146.81 | 220.97 |
| | | *For Factory Installed Accessory, Deduct* | *-441.93* | |
| 26 29 13 13-0124 | EA | Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4) | 1,395.17 | 258.85 |
| | | *For Factory Installed Accessory, Deduct* | *-517.69* | |
| 26 29 13 13-0125 | EA | Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1) | 1,388.75 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0126 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2) | 1,526.87 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0127 | EA | Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3) | 1,938.20 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0128 | EA | Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1) | 2,161.60 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0129 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2) | 2,414.80 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0130 | EA | Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3) | 2,985.38 | 315.66 |
| | | *For Factory Installed Accessory, Deduct* | *-631.33* | |
| 26 29 13 13-0131 | EA | Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1) | 4,823.85 | 315.66 |
| | | *For Factory Installed Accessory, Deduct* | *-631.33* | |
| 26 29 13 13-0132 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2) | 5,236.31 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |
| 26 29 13 13-0133 | EA | Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2) | 10,531.00 | 505.06 |
| | | *For Factory Installed Accessory, Deduct* | *-1,010.13* | |
| 26 29 13 13-0134 | EA | Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2) | 29,545.51 | 757.60 |
| | | *For Factory Installed Accessory, Deduct* | *-1,515.18* | |
| 26 29 13 13-0135 | EA | Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2) | 39,994.35 | 1,136.39 |
| | | *For Factory Installed Accessory, Deduct* | *-2,272.78* | |
| **26 29 13 13-0136** | | **NEMA 12, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)* | | |
| 26 29 13 13-0137 | EA | Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1) | 918.08 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0138 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2) | 990.10 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0139 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2) | 1,095.53 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0140 | EA | Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1) | 1,736.18 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0141 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2) | 1,875.41 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0142 | EA | Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1) | 2,573.61 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0143 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2) | 2,825.70 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0144 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2) | 6,600.41 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |
| 26 29 13 13-0145 | EA | Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2) | 14,021.99 | 505.06 |
| | | *For Factory Installed Accessory, Deduct* | *-1,010.13* | |
| 26 29 13 13-0146 | EA | Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2) | 33,826.00 | 757.60 |
| | | *For Factory Installed Accessory, Deduct* | *-1,515.18* | |

### 26 29 13 13-0147 NEMA 4/4X, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Brushed stainless steel enclosure.

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0148 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12) | 1,355.35 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0149 | EA | Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11) | 1,404.34 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0150 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12) | 1,476.36 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0151 | EA | Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13) | 1,718.06 | 220.97 |
| | | *For Factory Installed Accessory, Deduct* | *-441.93* | |
| 26 29 13 13-0152 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12) | 2,669.38 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0153 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12) | 4,031.68 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0154 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12) | 7,996.80 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |
| 26 29 13 13-0155 | EA | Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12) | 14,021.99 | 505.06 |
| | | *For Factory Installed Accessory, Deduct* | *-1,010.13* | |
| 26 29 13 13-0156 | EA | Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2) | 37,474.00 | 757.60 |
| | | *For Factory Installed Accessory, Deduct* | *-1,515.18* | |

### 26 29 13 13-0157 NEMA 7/9, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Bolted cast iron enclosure.

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0158 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2) | 2,709.10 | 202.03 |
| | | *For Factory Installed Accessory, Deduct* | *-404.05* | |

### 26 29 13 13-0159 Non-Reversing, Magnetic Starters *(26 29 13 13-0083)*

### 26 29 13 13-0160 Open Enclosure, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0161 | EA | Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11) | 682.36 | 126.27 |
| | | *For Factory Installed Accessory, Deduct* | *-252.53* | |
| 26 29 13 13-0162 | EA | Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12) | 707.62 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0163 | EA | Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1) | 762.19 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0164 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2) | 843.11 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0165 | EA | Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4) | 1,355.42 | 227.28 |
| | | *For Factory Installed Accessory, Deduct* | *-454.56* | |
| 26 29 13 13-0166 | EA | Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1) | 867.61 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0167 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3) | 1,018.69 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0168 | EA | Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2) | 1,065.46 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0169 | EA | Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6) | 1,325.28 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0170 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1) | 1,504.60 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0171 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1) | 2,329.06 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0172 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1) | 4,930.08 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |
| 26 29 13 13-0173 | EA | Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1) | 11,201.36 | 505.06 |
| | | *For Factory Installed Accessory, Deduct* | *-1,010.13* | |
| 26 29 13 13-0174 | EA | Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2) | 25,741.62 | 757.60 |
| | | *For Factory Installed Accessory, Deduct* | *-1,515.18* | |
| 26 29 13 13-0175 | EA | Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2) | 37,082.42 | 1,136.39 |
| | | *For Factory Installed Accessory, Deduct* | *-2,272.78* | |

## 26 29 13 13-0176 NEMA 1, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0177 | EA | Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11) | 719.11 | 126.27 |
| | | *For Factory Installed Accessory, Deduct* | *-252.53* | |
| 26 29 13 13-0178 | EA | Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12) | 744.37 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0179 | EA | Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1) | 798.93 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0180 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2) | 879.86 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0181 | EA | Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1) | 903.24 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0182 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3) | 985.29 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0183 | EA | Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2) | 1,103.32 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0184 | EA | Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6) | 1,491.20 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0185 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1) | 1,670.52 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0186 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1) | 2,653.10 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0187 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1) | 5,601.55 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |
| 26 29 13 13-0188 | EA | Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1) | 12,428.49 | 505.06 |
| | | *For Factory Installed Accessory, Deduct* | *-1,010.13* | |

## 26 29 13 13-0189 NEMA 12, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0190 | EA | Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1) | 989.35 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0191 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2) | 1,070.28 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0192 | EA | Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1) | 1,093.66 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0193 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3) | 1,175.70 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0194 | EA | Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2) | 1,293.74 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0195 | EA | Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6) | 1,839.74 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0196 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1) | 2,017.95 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0197 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1) | 3,064.00 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0198 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1) | 6,964.54 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |
| 26 29 13 13-0199 | EA | Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1) | 15,916.14 | 505.06 |
| | | *For Factory Installed Accessory, Deduct* | *-1,010.13* | |
| 26 29 13 13-0200 | EA | Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2) | 37,958.40 | 757.60 |
| | | *For Factory Installed Accessory, Deduct* | *-1,515.18* | |

## 26 29 13 13-0201 NEMA 3R, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0202 | EA | Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1) | 989.35 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0203 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2) | 1,070.28 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0204 | EA | Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1) | 1,093.66 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0205 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3) | 1,175.70 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0206 | EA | Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2) | 1,293.74 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0207 | EA | Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6) | 1,839.74 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0208 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1) | 2,017.95 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0209 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1) | 3,064.00 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0210 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1) | 6,964.54 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |

## 26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast aluminum enclosure.

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0212 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4) | 2,823.44 | 214.65 |
| | | *For Factory Installed Accessory, Deduct* | *-429.30* | |
| 26 29 13 13-0213 | EA | Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1) | 3,471.52 | 214.65 |
| | | *For Factory Installed Accessory, Deduct* | *-429.30* | |
| 26 29 13 13-0214 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3) | 3,576.96 | 227.28 |
| | | *For Factory Installed Accessory, Deduct* | *-454.56* | |
| 26 29 13 13-0215 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1) | 5,546.11 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0216 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43) | 6,687.94 | 315.66 |
| | | *For Factory Installed Accessory, Deduct* | *-631.33* | |
| 26 29 13 13-0217 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41) | 10,658.62 | 441.93 |
| | | *For Factory Installed Accessory, Deduct* | *-883.86* | |

## 26 29 13 13-0218 NEMA 4/4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Brushed stainless steel enclosure.

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0219 | EA | Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11) | 1,353.48 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0220 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12) | 1,435.52 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0221 | EA | Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11) | 1,474.50 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0222 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13) | 1,556.54 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0223 | EA | Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12) | 1,674.57 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0224 | EA | Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16) | 2,631.48 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0225 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11) | 4,268.87 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0226 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11) | 8,359.82 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |
| 26 29 13 13-0227 | EA | Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11) | 18,598.68 | 505.06 |
| | | *For Factory Installed Accessory, Deduct* | *-1,010.13* | |

### 26 29 13 13-0228 NEMA 4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Glass polyester enclosure.

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0229 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21) | 2,813.02 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0230 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21) | 5,210.93 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0231 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21) | 10,261.77 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |

### 26 29 13 13-0232 NEMA 7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast iron enclosure.

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0233 | EA | Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1) | 2,732.49 | 202.03 |
| | | *For Factory Installed Accessory, Deduct* | *-404.05* | |
| 26 29 13 13-0234 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2) | 2,823.44 | 214.65 |
| | | *For Factory Installed Accessory, Deduct* | *-429.30* | |
| 26 29 13 13-0235 | EA | Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1) | 2,863.52 | 214.65 |
| | | *For Factory Installed Accessory, Deduct* | *-429.30* | |
| 26 29 13 13-0236 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3) | 2,950.03 | 227.28 |
| | | *For Factory Installed Accessory, Deduct* | *-454.56* | |
| 26 29 13 13-0237 | EA | Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2) | 3,085.88 | 227.28 |
| | | *For Factory Installed Accessory, Deduct* | *-454.56* | |
| 26 29 13 13-0238 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1) | 4,539.46 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |

### 26 29 13 13-0239 Reversing, Magnetic Starters *(26 29 13 13-0083)*

### 26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters *(26 29 13 13-0239)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0241 | EA | Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13) | 1,289.29 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0242 | EA | Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16) | 1,359.44 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0243 | EA | Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1) | 1,504.95 | 176.77 |
| | | *For Factory Installed Accessory, Deduct* | *-353.54* | |
| 26 29 13 13-0244 | EA | Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2) | 1,561.39 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0245 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10) | 1,600.37 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0246 | EA | Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2) | 1,712.47 | 202.03 |
| | | *For Factory Installed Accessory, Deduct* | *-404.05* | |
| 26 29 13 13-0247 | EA | Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3) | 1,783.76 | 220.97 |
| | | *For Factory Installed Accessory, Deduct* | *-441.93* | |
| 26 29 13 13-0248 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7) | 1,823.85 | 220.97 |
| | | *For Factory Installed Accessory, Deduct* | *-441.93* | |
| 26 29 13 13-0249 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1) | 3,120.79 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0250 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1) | 5,102.68 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0251 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1) | 11,748.54 | 568.20 |
| | | *For Factory Installed Accessory, Deduct* | *-1,136.39* | |
| 26 29 13 13-0252 | EA | Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1) | 21,903.20 | 757.60 |
| | | *For Factory Installed Accessory, Deduct* | *-1,515.18* | |
| 26 29 13 13-0253 | EA | Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1) | 70,982.90 | 1,388.92 |
| | | *For Factory Installed Accessory, Deduct* | *-2,777.84* | |

## 26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters *(26 29 13 13-0239)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0255 | EA | Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13) | 1,330.85 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0256 | EA | Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15) | 1,389.51 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0257 | EA | Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16) | 1,429.59 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0258 | EA | Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1) | 1,571.77 | 176.77 |
| | | *For Factory Installed Accessory, Deduct* | *-353.54* | |
| 26 29 13 13-0259 | EA | Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2) | 1,630.43 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0260 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4) | 1,670.52 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0261 | EA | Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2) | 1,812.69 | 202.03 |
| | | *For Factory Installed Accessory, Deduct* | *-404.05* | |
| 26 29 13 13-0262 | EA | Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6) | 1,883.98 | 220.97 |
| | | *For Factory Installed Accessory, Deduct* | *-441.93* | |
| 26 29 13 13-0263 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8) | 1,924.07 | 220.97 |
| | | *For Factory Installed Accessory, Deduct* | *-441.93* | |
| 26 29 13 13-0264 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2) | 3,381.36 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |
| 26 29 13 13-0265 | EA | Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2) | 5,553.67 | 378.80 |
| | | *For Factory Installed Accessory, Deduct* | *-757.60* | |
| 26 29 13 13-0266 | EA | Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3) | 12,577.02 | 568.20 |
| | | *For Factory Installed Accessory, Deduct* | *-1,136.39* | |

## 26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters *(26 29 13 13-0239)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0268 | EA | Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2) | 1,915.50 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0269 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4) | 1,955.59 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0270 | EA | Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4) | 2,209.14 | 220.97 |
| | | *For Factory Installed Accessory, Deduct* | *-441.93* | |
| 26 29 13 13-0271 | EA | Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1) | 3,857.97 | 252.53 |
| | | *For Factory Installed Accessory, Deduct* | *-505.06* | |

## 26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters *(26 29 13 13-0239)*

Note: Brushed stainless steel enclosure.

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0273 | EA | Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14) | 2,398.78 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0274 | EA | Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11) | 2,828.25 | 202.03 |
| | | *For Factory Installed Accessory, Deduct* | *-404.05* | |

## 26 29 13 13-0275 Magnetic Contactor/Starters Accessories *(26 29 13 13-0083)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0276 | EA | NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2) | 178.87 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |
| 26 29 13 13-0277 | EA | NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3) | 304.59 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |
| 26 29 13 13-0278 | EA | NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2) | 178.87 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |
| 26 29 13 13-0279 | EA | NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8) | 304.59 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0280 | EA | NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R) | 304.59 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |
| 26 29 13 13-0281 | EA | Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11) | 150.96 | 12.63 |
| | | *For Factory Installed Accessory, Deduct* | *-25.25* | |
| 26 29 13 13-0282 | EA | External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6) | 134.46 | 12.63 |
| | | *For Factory Installed Accessory, Deduct* | *-25.25* | |
| 26 29 13 13-0283 | EA | External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8) | 178.87 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |
| 26 29 13 13-0284 | EA | External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13) | 150.96 | 12.63 |
| | | *For Factory Installed Accessory, Deduct* | *-25.25* | |
| 26 29 13 13-0285 | EA | External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15) | 201.73 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |
| 26 29 13 13-0286 | EA | 30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6) | 225.88 | 12.63 |
| | | *For Factory Installed Accessory, Deduct* | *-25.25* | |
| 26 29 13 13-0287 | EA | 45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11) | 389.69 | 12.63 |
| | | *For Factory Installed Accessory, Deduct* | *-25.25* | |
| 26 29 13 13-0288 | EA | 60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21) | 413.82 | 12.63 |
| | | *For Factory Installed Accessory, Deduct* | *-25.25* | |
| 26 29 13 13-0289 | EA | 30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8) | 495.06 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |
| 26 29 13 13-0290 | EA | 45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13) | 864.59 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |
| 26 29 13 13-0291 | EA | 60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23) | 864.59 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |
| 26 29 13 13-0292 | EA | Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1) | 52.09 | 9.48 |
| | | *For Factory Installed Accessory, Deduct* | *-18.94* | |
| 26 29 13 13-0293 | EA | 1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3) | 106.52 | 12.63 |
| | | *For Factory Installed Accessory, Deduct* | *-25.25* | |
| 26 29 13 13-0294 | EA | 2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4) | 140.78 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |
| 26 29 13 13-0295 | EA | Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1) | 110.30 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |
| 26 29 13 13-0296 | EA | Terminal Block, Contactor/Starter Accessory (Square D 9999T7) | 61.24 | 9.48 |
| | | *For Factory Installed Accessory, Deduct* | *-18.94* | |
| 26 29 13 13-0297 | EA | Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1) | 37.11 | 9.48 |
| | | *For Factory Installed Accessory, Deduct* | *-18.94* | |
| 26 29 13 13-0298 | EA | 1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39) | 196.68 | 12.63 |
| | | *For Factory Installed Accessory, Deduct* | *-25.25* | |
| 26 29 13 13-0299 | EA | 2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40) | 340.14 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |

## 26 29 13 13-0300 Definite Purpose Starters *(26 29 13 13)*

## 26 29 13 13-0301 Open Enclosure, Definite Purpose Starter *(26 29 13 13-0300)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0302 | EA | Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13) | 633.76 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0303 | EA | Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22) | 632.65 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0304 | EA | Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23) | 684.63 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0305 | EA | Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32) | 673.85 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0306 | EA | Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33) | 732.51 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0307 | EA | Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42) | 709.49 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0308 | EA | Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43) | 823.11 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0309 | EA | Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52) | 915.53 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0310 | EA | Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53) | 1,152.38 | 220.97 |
| | | *For Factory Installed Accessory, Deduct* | *-441.93* | |

## 26 29 13 13-0311 NEMA 1, Definite Purpose Starter *(26 29 13 13-0300)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0312 | EA | NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12) | 647.49 | 138.89 |
| | | *For Factory Installed Accessory, Deduct* | *-277.79* | |
| 26 29 13 13-0313 | EA | NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13) | 699.46 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0314 | EA | NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22) | 697.24 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0315 | EA | NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23) | 752.55 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0316 | EA | NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32) | 739.55 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0317 | EA | NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33) | 799.32 | 164.15 |
| | | *For Factory Installed Accessory, Deduct* | *-328.29* | |
| 26 29 13 13-0318 | EA | NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42) | 777.41 | 151.52 |
| | | *For Factory Installed Accessory, Deduct* | *-303.04* | |
| 26 29 13 13-0319 | EA | NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43) | 889.92 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0320 | EA | NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52) | 979.00 | 189.40 |
| | | *For Factory Installed Accessory, Deduct* | *-378.80* | |
| 26 29 13 13-0321 | EA | NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) | 1,216.96 | 220.97 |
| | | *For Factory Installed Accessory, Deduct* | *-441.93* | |

## 26 29 13 13-0322 Definite Purpose Starter Accessory *(26 29 13 13-0300)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0323 | EA | Start-Stop Push Button Kit, Definite Purpose Starter Accessory<br>Note: Or Hand-Off-Auto Selector Switch Kit | 201.73 | 15.78 |
| | | *For Factory Installed Accessory, Deduct* | *-31.57* | |

## 26 29 13 13-0324 Panel Mounted Miniature Contactor *(26 29 13 13)*

## 26 29 13 13-0325 Non-Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0326 | EA | 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K) | 189.74 | 63.13 |
| 26 29 13 13-0327 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K) | 222.41 | 69.45 |
| 26 29 13 13-0328 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K) | 222.41 | 69.45 |
| 26 29 13 13-0329 | EA | 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K) | 247.29 | 75.76 |
| 26 29 13 13-0330 | EA | 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) | 209.79 | 63.13 |
| 26 29 13 13-0331 | EA | 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) | 220.92 | 63.13 |
| 26 29 13 13-0332 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) | 241.34 | 69.45 |
| 26 29 13 13-0333 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) | 252.47 | 69.45 |
| 26 29 13 13-0334 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) | 248.02 | 69.45 |
| 26 29 13 13-0335 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) | 252.47 | 69.45 |
| 26 29 13 13-0336 | EA | 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) | 269.56 | 75.76 |
| 26 29 13 13-0337 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) | 259.15 | 69.45 |
| 26 29 13 13-0338 | EA | 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) | 280.69 | 75.76 |
| 26 29 13 13-0339 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K) | 261.38 | 69.45 |
| 26 29 13 13-0340 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K) | 261.38 | 69.45 |
| 26 29 13 13-0341 | EA | 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K) | 291.83 | 75.76 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0342 | EA | 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K) | 291.83 | 75.76 |

## 26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0344 | EA | 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) | 271.03 | 63.13 |
| 26 29 13 13-0345 | EA | 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) | 293.30 | 63.13 |
| 26 29 13 13-0346 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) | 324.85 | 69.45 |
| 26 29 13 13-0347 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) | 324.85 | 69.45 |
| 26 29 13 13-0348 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) | 347.12 | 69.45 |
| 26 29 13 13-0349 | EA | 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) | 364.21 | 75.76 |
| 26 29 13 13-0350 | EA | 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) | 364.21 | 75.76 |
| 26 29 13 13-0351 | EA | 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K) | 312.23 | 63.13 |
| 26 29 13 13-0352 | EA | 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K) | 334.50 | 63.13 |
| 26 29 13 13-0353 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K) | 363.83 | 69.45 |
| 26 29 13 13-0354 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K) | 386.10 | 69.45 |
| 26 29 13 13-0355 | EA | 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K) | 409.86 | 75.76 |
| 26 29 13 13-0356 | EA | 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K) | 432.14 | 75.76 |
| 26 29 13 13-0357 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K) | 351.58 | 69.45 |
| 26 29 13 13-0358 | EA | 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K) | 403.92 | 69.45 |
| 26 29 13 13-0359 | EA | 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K) | 456.63 | 75.76 |

## 26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories *(26 29 13 13-0324)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0361 | EA | 2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02) | 80.61 | 31.57 |
| 26 29 13 13-0362 | EA | 4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40) | 89.21 | 31.57 |
| 26 29 13 13-0363 | EA | Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U) | 104.78 | 31.57 |
| 26 29 13 13-0364 | EA | Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301) | 135.75 | 31.57 |

## 26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole *(26 29 13 13)*

## 26 29 13 13-0366 NEMA 1 Enclosure *(26 29 13 13-0365)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0367 | EA | Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing | 7,609.24 | 605.13 |
| | | *For NEMA 4, Add* | *796.66* | |
| 26 29 13 13-0368 | EA | Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing | 13,257.50 | 806.83 |
| | | *For NEMA 4, Add* | *1,455.16* | |
| 26 29 13 13-0369 | EA | Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing | 23,157.17 | 958.12 |
| | | *For NEMA 4, Add* | *2,655.88* | |
| 26 29 13 13-0370 | EA | Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing | 56,342.29 | 1,172.43 |
| | | *For NEMA 4, Add* | *6,750.96* | |
| 26 29 13 13-0371 | EA | Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing | 89,850.13 | 1,500.20 |
| | | *For NEMA 4, Add* | *10,856.07* | |

## 26 29 13 13-0372 NEMA 12 Enclosure *(26 29 13 13-0365)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0373 | EA | Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing | 7,556.16 | 617.98 |
| 26 29 13 13-0374 | EA | Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing | 13,160.53 | 808.09 |
| 26 29 13 13-0375 | EA | Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing | 22,980.20 | 955.09 |
| 26 29 13 13-0376 | EA | Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing | 55,892.44 | 1,167.26 |
| 26 29 13 13-0377 | EA | Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing | 89,126.73 | 1,500.83 |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| **26 29 13 13-0378** | | | **Factory Modifications Pilot Devices** *(26 29 13 13-0365)* | | |
| 26 29 13 13-0379 | | EA | Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device | 187.70 | |
| 26 29 13 13-0380 | | EA | H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device | 207.01 | |
| 26 29 13 13-0381 | | EA | Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device | 352.37 | |
| 26 29 13 13-0382 | | EA | Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device | 191.45 | |
| 26 29 13 13-0383 | | EA | Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device | 275.29 | |
| 26 29 13 13-0384 | | EA | Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device | 137.64 | |
| 26 29 13 13-0385 | | EA | Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device | 449.26 | |
| **26 29 13 13-0386** | | | **Factory Modifications Meters** *(26 29 13 13-0365)* | | |
| 26 29 13 13-0387 | | EA | Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter | 1,805.88 | |
| 26 29 13 13-0388 | | EA | Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter | 1,744.23 | |
| 26 29 13 13-0389 | | EA | Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter | 616.64 | |
| 26 29 13 13-0390 | | EA | Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter | 510.95 | |
| **26 29 13 13-0391** | | | **Factory Modifications Main Circuit Breakers** *(26 29 13 13-0365)* | | |
| 26 29 13 13-0392 | | EA | Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker | 2,386.73 | |
| 26 29 13 13-0393 | | EA | Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker | 4,365.03 | |
| 26 29 13 13-0394 | | EA | Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker | 9,284.85 | |
| **26 29 13 13-0395** | | | **Factory Modifications Addition** *(26 29 13 13-0365)* | | |
| | | | Note: For reversing service auto transformer type. | | |
| 26 29 13 13-0396 | | EA | Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase | 400.83 | |
| 26 29 13 13-0397 | | EA | Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase | 400.83 | |
| 26 29 13 13-0398 | | EA | Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase | 400.83 | |
| 26 29 13 13-0399 | | EA | Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase | 400.83 | |
| **26 29 13 13-0400** | | | **Combination Starters Non-Reversing** *(26 29 13 13)* | | |
| **26 29 13 13-0401** | | | **240-600 Volt, 3-Pole** *(26 29 13 13-0400)* | | |
| **26 29 13 13-0402** | | | **NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0401)* | | |
| 26 29 13 13-0403 | | EA | Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 1,868.37 | 289.96 |
| | | | *For Electronic Overloads, Add* | *244.10* | |
| 26 29 13 13-0404 | | EA | Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 2,268.84 | 453.84 |
| | | | *For Electronic Overloads, Add* | *257.51* | |
| 26 29 13 13-0405 | | EA | Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 3,196.46 | 529.49 |
| | | | *For Electronic Overloads, Add* | *407.72* | |
| 26 29 13 13-0406 | | EA | Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 4,885.00 | 655.55 |
| | | | *For Electronic Overloads, Add* | *678.64* | |
| 26 29 13 13-0407 | | EA | Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 8,990.61 | 1,046.36 |
| | | | *For Electronic Overloads, Add* | *1,309.00* | |
| 26 29 13 13-0408 | | EA | Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 18,094.78 | 1,311.11 |
| | | | *For Electronic Overloads, Add* | *2,938.99* | |
| **26 29 13 13-0409** | | | **NEMA 1 With Circuit Breaker** *(26 29 13 13-0401)* | | |
| 26 29 13 13-0410 | | EA | Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 2,376.61 | 289.96 |
| | | | *For Electronic Overloads, Add* | *340.66* | |
| 26 29 13 13-0411 | | EA | Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 2,777.08 | 453.84 |
| | | | *For Electronic Overloads, Add* | *354.07* | |
| 26 29 13 13-0412 | | EA | Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 3,690.58 | 529.49 |
| | | | *For Electronic Overloads, Add* | *501.60* | |
| 26 29 13 13-0413 | | EA | Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 5,153.24 | 655.55 |
| | | | *For Electronic Overloads, Add* | *729.61* | |
| 26 29 13 13-0414 | | EA | Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 10,529.44 | 1,046.36 |
| | | | *For Electronic Overloads, Add* | *1,601.38* | |
| 26 29 13 13-0415 | | EA | Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 22,174.82 | 1,311.11 |
| | | | *For Electronic Overloads, Add* | *3,714.20* | |
| **26 29 13 13-0416** | | | **Factory Modifications For NEMA 1 Enclosure** *(26 29 13 13-0401)* | | |
| 26 29 13 13-0417 | | EA | Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt | 231.45 | |
| 26 29 13 13-0418 | | EA | H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt | 543.62 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0419 | EA | Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt | 375.19 | |

## 26 29 13 13-0420 NEMA 4 With Disconnect (Safety) Switch *(26 29 13 13-0401)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0421 | EA | Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 3,418.21 | 378.20 |
| | | *For Electronic Overloads, Add* | *501.60* | |
| 26 29 13 13-0422 | EA | Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 3,761.17 | 529.49 |
| | | *For Electronic Overloads, Add* | *515.02* | |
| 26 29 13 13-0423 | EA | Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 5,402.62 | 579.91 |
| | | *For Electronic Overloads, Add* | *804.71* | |
| 26 29 13 13-0424 | EA | Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 8,614.93 | 705.98 |
| | | *For Electronic Overloads, Add* | *1,370.69* | |
| 26 29 13 13-0425 | EA | Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 13,649.47 | 1,046.36 |
| | | *For Electronic Overloads, Add* | *2,194.18* | |
| 26 29 13 13-0426 | EA | Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 29,981.95 | 1,311.11 |
| | | *For Electronic Overloads, Add* | *5,197.55* | |

## 26 29 13 13-0427 NEMA 4 With Circuit Breaker *(26 29 13 13-0401)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0428 | EA | Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 3,926.45 | 378.20 |
| | | *For Electronic Overloads, Add* | *598.17* | |
| 26 29 13 13-0429 | EA | Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 4,269.41 | 529.49 |
| | | *For Electronic Overloads, Add* | *611.58* | |
| 26 29 13 13-0430 | EA | Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 5,896.75 | 579.91 |
| | | *For Electronic Overloads, Add* | *898.60* | |
| 26 29 13 13-0431 | EA | Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 8,883.17 | 705.98 |
| | | *For Electronic Overloads, Add* | *1,421.66* | |
| 26 29 13 13-0432 | EA | Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 15,188.31 | 1,046.36 |
| | | *For Electronic Overloads, Add* | *2,486.56* | |
| 26 29 13 13-0433 | EA | Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 28,386.64 | 1,311.11 |
| | | *For Electronic Overloads, Add* | *4,894.45* | |

## 26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure *(26 29 13 13-0401)*

| | | | |
|---|---|---|---|
| 26 29 13 13-0435 | EA | Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt | 231.48 |
| 26 29 13 13-0436 | EA | H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt | 543.62 |
| 26 29 13 13-0437 | EA | Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt | 375.19 |

## 26 29 13 13-0438 NEMA 12 With Disconnect (Safety) Switch *(26 29 13 13-0401)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0439 | EA | Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 1,932.60 | 291.85 |
| | | *For Electronic Overloads, Add* | *256.30* | |
| 26 29 13 13-0440 | EA | Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 2,336.60 | 456.74 |
| | | *For Electronic Overloads, Add* | *270.38* | |
| 26 29 13 13-0441 | EA | Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 3,303.75 | 525.33 |
| | | *For Electronic Overloads, Add* | *428.11* | |
| 26 29 13 13-0442 | EA | Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 5,063.58 | 656.56 |
| | | *For Electronic Overloads, Add* | *712.57* | |
| 26 29 13 13-0443 | EA | Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 9,335.07 | 1,050.64 |
| | | *For Electronic Overloads, Add* | *1,374.45* | |
| 26 29 13 13-0444 | EA | Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase | 18,868.18 | 1,313.12 |
| | | *For Electronic Overloads, Add* | *3,085.94* | |

## 26 29 13 13-0445 NEMA 12 With Circuit Breaker *(26 29 13 13-0401)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0446 | EA | Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 2,539.48 | 291.85 |
| | | *For Electronic Overloads, Add* | *371.61* | |
| 26 29 13 13-0447 | EA | Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 2,946.36 | 456.74 |
| | | *For Electronic Overloads, Add* | *386.24* | |
| 26 29 13 13-0448 | EA | Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 3,930.40 | 525.33 |
| | | *For Electronic Overloads, Add* | *547.17* | |
| 26 29 13 13-0449 | EA | Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 5,502.05 | 656.56 |
| | | *For Electronic Overloads, Add* | *795.88* | |
| 26 29 13 13-0450 | EA | Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 11,295.05 | 1,050.64 |
| | | *For Electronic Overloads, Add* | *1,746.84* | |
| 26 29 13 13-0451 | EA | Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 23,950.55 | 1,313.12 |
| | | *For Electronic Overloads, Add* | *4,051.59* | |

## 26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure *(26 29 13 13-0401)*

| | | | |
|---|---|---|---|
| 26 29 13 13-0453 | EA | Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt | 229.55 |
| 26 29 13 13-0454 | EA | H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt | 539.10 |
| 26 29 13 13-0455 | EA | Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt | 372.06 |

## 26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker *(26 29 13 13-0401)*

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0457 | EA | Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 4,476.62 | 605.13 |
| 26 29 13 13-0458 | EA | Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 6,064.15 | 806.83 |
| 26 29 13 13-0459 | EA | Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 6,607.04 | 1,109.40 |
| 26 29 13 13-0460 | EA | Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 9,809.26 | 1,512.81 |
| 26 29 13 13-0461 | EA | Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase | 14,770.95 | 2,117.93 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 29 13 13-0462** | | **Factory Modifications For NEMA 7 Or 9 Enclosure** *(26 29 13 13-0401)* | | |
| 26 29 13 13-0463 | EA | Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt | 1,376.45 | |
| 26 29 13 13-0464 | EA | H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt | 1,376.45 | |
| 26 29 13 13-0465 | EA | Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt | 1,376.45 | |
| **26 29 13 13-0466** | | **Combination Starters Reversing** *(26 29 13 13)* | | |
| **26 29 13 13-0467** | | **240-600 Volt, 3 Pole** *(26 29 13 13-0466)* | | |
| **26 29 13 13-0468** | | **NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0467)* | | |
| 26 29 13 13-0469 | EA | Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase | 2,309.16 | 378.20 |
| 26 29 13 13-0470 | EA | Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase | 2,684.05 | 529.49 |
| 26 29 13 13-0471 | EA | Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase | 3,897.75 | 579.91 |
| 26 29 13 13-0472 | EA | Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase | 5,925.32 | 705.98 |
| 26 29 13 13-0473 | EA | Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase | 11,577.43 | 1,046.36 |
| **26 29 13 13-0474** | | **NEMA 1 With Circuit Breaker** *(26 29 13 13-0467)* | | |
| 26 29 13 13-0475 | EA | Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 2,577.32 | 378.20 |
| 26 29 13 13-0476 | EA | Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 2,970.30 | 529.49 |
| 26 29 13 13-0477 | EA | Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 4,232.85 | 579.91 |
| 26 29 13 13-0478 | EA | Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 5,463.97 | 705.98 |
| 26 29 13 13-0479 | EA | Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 12,483.83 | 1,046.36 |
| **26 29 13 13-0480** | | **NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0467)* | | |
| 26 29 13 13-0481 | EA | Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase | 2,465.10 | 389.17 |
| 26 29 13 13-0482 | EA | Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase | 2,850.43 | 525.33 |
| 26 29 13 13-0483 | EA | Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase | 4,175.86 | 583.69 |
| 26 29 13 13-0484 | EA | Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase | 6,386.17 | 700.43 |
| 26 29 13 13-0485 | EA | Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase | 12,542.65 | 1,050.64 |
| **26 29 13 13-0486** | | **NEMA 12 With Circuit Breaker** *(26 29 13 13-0467)* | | |
| 26 29 13 13-0487 | EA | Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 2,760.58 | 389.17 |
| 26 29 13 13-0488 | EA | Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 3,165.84 | 525.33 |
| 26 29 13 13-0489 | EA | Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 4,545.10 | 583.69 |
| 26 29 13 13-0490 | EA | Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 5,877.84 | 700.43 |
| 26 29 13 13-0491 | EA | Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 13,541.37 | 1,050.64 |
| **26 29 13 13-0492** | | **NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0467)* | | |
| 26 29 13 13-0493 | EA | Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 5,431.68 | 806.83 |
| 26 29 13 13-0494 | EA | Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 5,841.33 | 1,008.54 |
| 26 29 13 13-0495 | EA | Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 8,393.71 | 1,311.11 |
| 26 29 13 13-0496 | EA | Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 13,341.11 | 1,714.51 |
| 26 29 13 13-0497 | EA | Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase | 24,323.11 | 2,319.64 |
| **26 29 13 13-0498** | | **Solid State Motor Controllers** *(26 29 13 13)* | | |
| **26 29 13 13-0499** | | **Adjustable Voltage Drives, DC Motors** *(26 29 13 13-0498)* | | |
| 26 29 13 13-0500 | EA | 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking | 1,831.00 | 226.92 |
| 26 29 13 13-0501 | EA | 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking | 2,206.24 | 226.92 |
| **26 29 13 13-0502** | | **Removal And Reinstallation Of Motor Starters** *(26 29 13 13)*<br>Note: Includes storage and cleaning. | | |
| 26 29 13 13-0503 | EA | Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect | 900.48 | |
| **26 29 13 13-0504** | | **Auxiliary Devices** *(26 29 13 13)* | | |
| 26 29 13 13-0505 | EA | Normally Open, Auxiliary Contact | 544.29 | 126.07 |
| 26 29 13 13-0506 | EA | Normally Closed, Auxiliary Contact | 544.29 | 126.07 |
| 26 29 13 13-0507 | EA | Pilot Light Kit | 573.77 | 126.07 |
| **26 29 13 13-0508** | | **Programmable Logic Controller Assembly** *(26 29 13 13)*<br>Note: 120 VAC supply voltage | | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 13 13-0509 | EA | Programmable Logic Controller Assembly With Start-Up And Programming<br>Note: Includes: one RHC363612 Type 3R ENCLOSURE N/A WIEGMANN, two NP3636 MOUNTING PLATE N/A WIEGMANN, one WANADFK SWING KIT N/A WIEGMANN, one 011750-01 DUAL THERMOSTAT TS1 STEGO, one 060100-00 100W ENCLOSURE HEATER HTR STEGO, one 100-FFP-3R 3R RAIN SHROUDS N/A THERMAL, one PFFP080-120 COOLING FAN (8) EF1 THERMAL, one M9F42115 1P C 15A BREAKER CBAM SQUARE D, one M9F42110 1P C 10A BREAKER CBB3 SQUARE D, two M9F42105 1P C 5A BREAKER CBB1,CBB2 SQUARE D, three M9F42105 1P C 5A BREAKER CB1,2,7 SQUARE D, four M9F42101 1P C 1A BREAKER CB3-6 SQUARE D, five M9F42101 1P C 1A BREAKER CBD1-5 SQUARE D, one SDSA1175 SPD FILTER SPD SQUARE D, one QOSAMK SPD BRACKET SPD SQUARE D, one 025413-10 ENCLOSURE LIGHT LT1 STEGO, one 244357 ENCLOSURE LIGHT POWER CABLE LT1 STEGO, one MDR-40-24 40W, PLC SUPPLY POWER PLC-PSA MEANWELL, one SDR-120-2 120W, 24VDC POWER SUPPLY PS24 MEANWELL, one D2-04BDC1-1 4 SLOT, DL205 I/O BASE PLC DIRECT AUTO, one H2-DM1E DO-MORE H2 SERIES CPU PLC1.0 DIRECT AUTO, one D2-16ND3-2 DL205 DISCRETE INPUT MODULE PLC1.1 DIRECT AUTO, one F2-8AD4DA-1 DL205 ANALOG COMBO MODULE PLC1.2 DIRECT AUTO, one F2-08TR DL205 RELAY OUTPUT MODULE PLC1.3 DIRECT AUTO, one EA9-T10CL 10" TOUCHSCREEN HMI DIRECT AUTO, one SE-SW5U 5 PORT SWITCH ETH DIRECT AUTO, one CR20-E BLACK RECEPTACLE REC LEVITON, one 80703-E COVER REC LEVITON, one 1B75-3 RECEPTACLE BOX PRG REC RED DOT, sixteen RSL1PVFU CONTROL RELAY DOA200-215 SQUARE D, sixteen XBUT4FBEL250 120V FUSE TB FTB1-15 EATON, eight 3046090 24VDC FUSE TB FTB16-23 PHOENIX CONTACT, twenty-four 235.100 1/10A FUSE FU1-24 LITTLELFUSE, four CA803 DIN RAIL BRKTS DIN ALTECH, one hundred 3044102 (XBUT4) 30A, 26-10awg TB PHOENIX, ten 3047028 (XBACUT10) END PLATE TB PHOENIX, five 3030271 (XBAFBS106) 10p JUMPER BAR TB PHOENIX, 20 0818085 (XBMUCTM6) 10-STRIP MARKER TB PHOENIX, twenty 0800886 (XBAES35C) END CLAMPS TB PHOENIX, one 0801733 (XBANS3575P) 2M DIN RAIL MISC PHOENIX, thirty six F1.5X3WH6 RACEWAY MISC PANDUIT, thirty six C1.5WH6-F COVER MISC PANDUIT, one KA25U 14-1/0 GROUND LUG GND THOMAS & BETTS, one PK4GTA TPS GROUND BAR GND SQUARE D, one PK7GTA CUST GROUND BAR GND SQUARE D | 21,525.91 | |

26 29 13 13-0510 **Irrigation Controller Panel** *(26 29 13 13)*
Note: 230 VAC supply voltage, 30 Amp minimum service required.

| | | | | |
|---|---|---|---|---|
| 26 29 13 13-0511 | EA | Irrigation Booster Pump Control Panel Adder<br>Note: Includes: main disconnect, 30 Amp 2 pole breaker, IEC starter for 11A, 1500VA fused CPT, overtemp and pump fail relays, 22MM green light run, 22MM red light run, 22MM HOA switch, terminals and accessories and misc hardware | 2,997.22 | 154.39 |

## 26 29 23 Variable-Frequency Motor Controllers *(26 29)*

26 29 23 00-0001 **208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives** *(26 29 23)*
Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.

| | | | | |
|---|---|---|---|---|
| 26 29 23 00-0002 | EA | 3/4 HP, 208/230 Volt Variable Frequency Drive | 2,231.99 | 444.01 |
| | | *For 6-Pulse Drive Package, Deduct* | *-739.12* | |
| 26 29 23 00-0003 | EA | 1 HP, 208/230 Volt Variable Frequency Drive | 2,513.19 | 485.29 |
| | | *For 6-Pulse Drive Package, Deduct* | *-850.91* | |
| 26 29 23 00-0004 | EA | 1-1/2 HP, 208/230 Volt Variable Frequency Drive | 2,920.38 | 533.60 |
| | | *For 6-Pulse Drive Package, Deduct* | *-1,019.25* | |
| 26 29 23 00-0005 | EA | 2 HP, 208/230 Volt Variable Frequency Drive | 3,078.67 | 512.91 |
| | | *For 6-Pulse Drive Package, Deduct* | *-1,129.07* | |
| 26 29 23 00-0006 | EA | 3 HP, 208/230 Volt Variable Frequency Drive | 3,300.39 | 559.22 |
| | | *For 6-Pulse Drive Package, Deduct* | *-1,200.08* | |
| 26 29 23 00-0007 | EA | 5 HP, 208/230 Volt Variable Frequency Drive | 3,569.40 | 559.22 |
| | | *For 6-Pulse Drive Package, Deduct* | *-1,348.04* | |
| 26 29 23 00-0008 | EA | 7.5 HP, 208/230 Volt Variable Frequency Drive | 4,264.62 | 667.70 |
| | | *For 6-Pulse Drive Package, Deduct* | *-1,611.07* | |
| 26 29 23 00-0009 | EA | 10 HP, 208/230 Volt Variable Frequency Drive | 4,653.19 | 667.70 |
| | | *For 6-Pulse Drive Package, Deduct* | *-1,824.78* | |
| 26 29 23 00-0010 | EA | 15 HP, 208/230 Volt Variable Frequency Drive | 6,135.52 | 1,005.35 |
| | | *For 6-Pulse Drive Package, Deduct* | *-2,268.65* | |
| 26 29 23 00-0011 | EA | 20 HP, 208/230 Volt Variable Frequency Drive | 7,211.56 | 1,005.35 |
| | | *For 6-Pulse Drive Package, Deduct* | *-2,860.47* | |
| 26 29 23 00-0012 | EA | 25 HP, 208/230 Volt Variable Frequency Drive | 8,798.36 | 1,335.51 |
| | | *For 6-Pulse Drive Package, Deduct* | *-3,370.10* | |
| 26 29 23 00-0013 | EA | 30 HP, 208/230 Volt Variable Frequency Drive | 10,143.41 | 1,335.51 |
| | | *For 6-Pulse Drive Package, Deduct* | *-4,109.88* | |
| 26 29 23 00-0014 | EA | 40 HP, 208/230 Volt Variable Frequency Drive | 11,309.12 | 1,335.51 |
| | | *For 6-Pulse Drive Package, Deduct* | *-4,751.02* | |
| 26 29 23 00-0015 | EA | 50 HP, 208/230 Volt Variable Frequency Drive | 14,913.94 | 1,688.26 |
| | | *For 6-Pulse Drive Package, Deduct* | *-6,345.65* | |
| 26 29 23 00-0016 | EA | 60 HP, 208/230 Volt Variable Frequency Drive | 17,982.87 | 1,997.17 |
| | | *For 6-Pulse Drive Package, Deduct* | *-7,693.69* | |
| 26 29 23 00-0017 | EA | 75 HP, 208/230 Volt Variable Frequency Drive | 20,374.07 | 1,997.17 |
| | | *For 6-Pulse Drive Package, Deduct* | *-9,008.85* | |

26 29 23 00-0018 **460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives** *(26 29 23)*
Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.

| | | | | |
|---|---|---|---|---|
| 26 29 23 00-0019 | EA | 3 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 5,304.14 | 798.90 |
| | | *For 6-Pulse Drive Package, Deduct* | *-2,038.50* | |
| 26 29 23 00-0020 | EA | 5 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 5,483.48 | 798.90 |
| | | *For 6-Pulse Drive Package, Deduct* | *-2,137.14* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 29 23 00-0021 | EA | 7.5 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 5,998.60 | 951.89 |
| | | *For 6-Pulse Drive Package, Deduct* | *-2,252.21* | |
| 26 29 23 00-0022 | EA | 10 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 6,028.49 | 951.89 |
| | | *For 6-Pulse Drive Package, Deduct* | *-2,268.65* | |
| 26 29 23 00-0023 | EA | 15 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 8,087.07 | 1,443.10 |
| | | *For 6-Pulse Drive Package, Deduct* | *-2,860.47* | |
| 26 29 23 00-0024 | EA | 20 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 8,505.53 | 1,443.10 |
| | | *For 6-Pulse Drive Package, Deduct* | *-3,090.63* | |
| 26 29 23 00-0025 | EA | 25 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 10,233.81 | 1,903.78 |
| | | *For 6-Pulse Drive Package, Deduct* | *-3,534.49* | |
| 26 29 23 00-0026 | EA | 30 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 11,728.31 | 1,903.78 |
| | | *For 6-Pulse Drive Package, Deduct* | *-4,356.47* | |
| 26 29 23 00-0027 | EA | 40 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 13,282.59 | 1,903.78 |
| | | *For 6-Pulse Drive Package, Deduct* | *-5,211.32* | |
| 26 29 23 00-0028 | EA | 50 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 17,390.21 | 2,418.26 |
| | | *For 6-Pulse Drive Package, Deduct* | *-6,904.59* | |
| 26 29 23 00-0029 | EA | 60 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 23,191.26 | 2,867.76 |
| | | *For 6-Pulse Drive Package, Deduct* | *-9,600.67* | |
| 26 29 23 00-0030 | EA | 75 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 24,625.98 | 2,867.76 |
| | | *For 6-Pulse Drive Package, Deduct* | *-10,389.76* | |
| 26 29 23 00-0031 | EA | 100 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 28,509.62 | 3,195.56 |
| | | *For 6-Pulse Drive Package, Deduct* | *-12,165.23* | |
| 26 29 23 00-0032 | EA | 125 HP, 460/480 Volt Variable Frequency Drive<br>Note: Wall mounted. | 30,063.90 | 3,195.56 |
| | | *For 6-Pulse Drive Package, Deduct* | *-13,020.08* | |
| 26 29 23 00-0033 | EA | 150 HP, 460/480 Volt Variable Frequency Drive<br>Note: Floor mounted. | 33,292.02 | 3,195.56 |
| | | *For 6-Pulse Drive Package, Deduct* | *-14,795.55* | |
| 26 29 23 00-0034 | EA | 200 HP, 460/480 Volt Variable Frequency Drive<br>Note: Floor mounted. | 38,440.26 | 3,856.67 |
| | | *For 6-Pulse Drive Package, Deduct* | *-16,899.81* | |
| 26 29 23 00-0035 | EA | 250 HP, 460/480 Volt Variable Frequency Drive<br>Note: Floor mounted. | 48,091.05 | 4,028.79 |
| | | *For 6-Pulse Drive Package, Deduct* | *-22,018.41* | |
| 26 29 23 00-0036 | EA | 300 HP, 460/480 Volt Variable Frequency Drive<br>Note: Floor mounted. | 56,400.26 | 4,622.90 |
| | | *For 6-Pulse Drive Package, Deduct* | *-25,934.95* | |
| 26 29 23 00-0037 | EA | 350 HP, 460/480 Volt Variable Frequency Drive<br>Note: Floor mounted. | 64,880.40 | 5,013.67 |
| | | *For 6-Pulse Drive Package, Deduct* | *-30,169.11* | |
| 26 29 23 00-0038 | EA | 400 HP, 460/480 Volt Variable Frequency Drive<br>Note: Floor mounted. | 75,190.09 | 5,413.74 |
| | | *For 6-Pulse Drive Package, Deduct* | *-35,399.50* | |
| 26 29 23 00-0039 | EA | 450 HP, 460/480 Volt Variable Frequency Drive<br>Note: Floor mounted. | 81,037.00 | 5,870.62 |
| | | *For 6-Pulse Drive Package, Deduct* | *-38,112.68* | |

### 26 29 33 Controllers for Fire Pump Drivers *(26 29)*

#### 26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers *(26 29 33)*

26 29 33 13-0001 Electric Controllers For Fire Pumps *(26 29 33 13)*

26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller *(26 29 33 13-0001)*

| | | | | |
|---|---|---|---|---|
| 26 29 33 13-0003 | EA | 30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch | 22,673.45 | 255.83 |
| 26 29 33 13-0004 | EA | 40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch | 25,668.38 | 284.26 |
| 26 29 33 13-0005 | EA | 50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch | 26,916.50 | 312.67 |
| 26 29 33 13-0006 | EA | 75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch | 30,686.78 | 341.10 |
| 26 29 33 13-0007 | EA | 150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch | 32,434.40 | 397.95 |
| 26 29 33 13-0008 | EA | 175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch | 34,592.79 | 511.65 |
| 26 29 33 13-0009 | EA | 200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch | 37,498.99 | 568.51 |
| 26 29 33 13-0010 | EA | 250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch | 42,886.70 | 648.09 |
| 26 29 33 13-0011 | EA | 300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch | 51,663.62 | 699.26 |
| 26 29 33 13-0012 | EA | 350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch | 60,709.74 | 795.91 |
| 26 29 33 13-0013 | EA | 400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch | 72,409.37 | 852.76 |
| 26 29 33 13-0014 | EA | 500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch | 81,732.39 | 909.61 |

#### 26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers *(26 29 33)*

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

## 26 30 Facility Electrical Power Generating and Storing Equipment *(26)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 26 31 Photovoltaic Collectors *(26 30)*

### 26 31 00 00-0001 Rigid Photovoltaic Modules *(26 31)*

### 26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 31 00 00-0003 | EA | 205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6) | 2,258.21 | 119.76 |
| | | *For >25 To 50, Deduct* | *-163.38* | |
| | | *For >50 To 100, Deduct* | *-219.83* | |
| | | *For >100, Deduct* | *-326.76* | |
| 26 31 00 00-0004 | EA | 210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6) | 2,367.63 | 119.76 |
| | | *For >25 To 50, Deduct* | *-171.58* | |
| | | *For >50 To 100, Deduct* | *-230.77* | |
| | | *For >100, Deduct* | *-343.17* | |
| 26 31 00 00-0005 | EA | 215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6) | 2,215.28 | 119.76 |
| | | *For >25 To 50, Deduct* | *-160.16* | |
| | | *For >50 To 100, Deduct* | *-215.54* | |
| | | *For >100, Deduct* | *-320.32* | |

### 26 31 00 00-0006 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 31 00 00-0007 | EA | 224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1) | 1,765.48 | 119.76 |
| | | *For >25 To 50, Deduct* | *-126.42* | |
| | | *For >50 To 100, Deduct* | *-170.56* | |
| | | *For >100, Deduct* | *-252.85* | |
| 26 31 00 00-0008 | EA | 230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3) | 2,009.73 | 119.76 |
| | | *For >25 To 50, Deduct* | *-144.74* | |
| | | *For >50 To 100, Deduct* | *-194.98* | |
| | | *For >100, Deduct* | *-289.48* | |
| 26 31 00 00-0009 | EA | 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1) | 2,048.42 | 119.76 |
| | | *For >25 To 50, Deduct* | *-147.64* | |
| | | *For >50 To 100, Deduct* | *-198.85* | |
| | | *For >100, Deduct* | *-295.29* | |
| 26 31 00 00-0010 | EA | 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1) | 1,927.50 | 119.76 |
| | | *For >25 To 50, Deduct* | *-138.57* | |
| | | *For >50 To 100, Deduct* | *-186.76* | |
| | | *For >100, Deduct* | *-277.15* | |

### 26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0001)*

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

| | | | | |
|---|---|---|---|---|
| 26 31 00 00-0012 | EA | 50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J) | 865.75 | 119.76 |
| | | *For >25 To 50, Deduct* | *-58.94* | |
| | | *For >50 To 100, Deduct* | *-80.59* | |
| | | *For >100, Deduct* | *-117.89* | |
| 26 31 00 00-0013 | EA | 75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J) | 1,071.30 | 119.76 |
| | | *For >25 To 50, Deduct* | *-74.36* | |
| | | *For >50 To 100, Deduct* | *-101.14* | |
| | | *For >100, Deduct* | *-148.72* | |
| 26 31 00 00-0014 | EA | 80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J) | 1,153.53 | 119.76 |
| | | *For >25 To 50, Deduct* | *-80.53* | |
| | | *For >50 To 100, Deduct* | *-109.36* | |
| | | *For >100, Deduct* | *-161.05* | |

### 26 31 00 00-0015 Photovoltaic Inverters *(26 31)*

### 26 31 00 00-0016 Fronius Photovoltaic Inverters *(26 31 00 00-0015)*

| | | | | |
|---|---|---|---|---|
| 26 31 00 00-0017 | EA | 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1) | 5,393.67 | 126.07 |
| 26 31 00 00-0018 | EA | 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1) | 7,117.80 | 126.07 |
| 26 31 00 00-0019 | EA | 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1) | 7,513.91 | 126.07 |
| 26 31 00 00-0020 | EA | 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1) | 8,402.64 | 126.07 |
| 26 31 00 00-0021 | EA | 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1) | 13,311.48 | 126.07 |
| 26 31 00 00-0022 | EA | 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1) | 15,475.34 | 126.07 |
| 26 31 00 00-0023 | EA | 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta) | 12,590.55 | 252.14 |
| 26 31 00 00-0024 | EA | 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3) | 15,940.16 | 252.14 |
| 26 31 00 00-0025 | EA | Inverter Display Stand (Fronius 4,045,894) | 468.74 | 63.03 |

### 26 31 00 00-0026 SMA Photovoltaic Inverters *(26 31 00 00-0015)*

| | | | | |
|---|---|---|---|---|
| 26 31 00 00-0027 | EA | 4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22) | 4,002.87 | 126.07 |
| 26 31 00 00-0028 | EA | 5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22) | 4,806.81 | 126.07 |
| 26 31 00 00-0029 | EA | 6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22) | 5,556.04 | 126.07 |
| 26 31 00 00-0030 | EA | 7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22) | 6,128.01 | 126.07 |
| 26 31 00 00-0031 | EA | 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12) | 5,935.34 | 126.07 |

### 26 31 00 00-0032 PVPowered Photovoltaic Inverters *(26 31 00 00-0015)*

| | | | | |
|---|---|---|---|---|
| 26 31 00 00-0033 | EA | 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100) | 4,956.05 | 126.07 |
| 26 31 00 00-0034 | EA | 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000) | 5,183.80 | 126.07 |
| 26 31 00 00-0035 | EA | 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500) | 5,728.48 | 126.07 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 31 00 00-0036 | EA | 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500) | 6,791.69 | 157.58 |
| 26 31 00 00-0037 | EA | 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600) | 8,280.74 | 189.10 |
| 26 31 00 00-0038 | EA | 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800) | 8,350.08 | 189.10 |
| 26 31 00 00-0039 | EA | 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200) | 8,811.54 | 189.10 |
| 26 31 00 00-0040 | EA | 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW) | 105,151.74 | 1,008.54 |
| 26 31 00 00-0041 | EA | 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW) | 105,291.02 | 1,008.54 |
| 26 31 00 00-0042 | EA | 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW) | 113,941.11 | 1,008.54 |
| 26 31 00 00-0043 | EA | 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW) | 105,623.40 | 1,008.54 |
| **26 31 00 00-0044** | | **Solectria Photovoltaic Inverters** *(26 31 00 00-0015)* | | |
| 26 31 00 00-0045 | EA | 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI) | 16,529.01 | 252.14 |
| 26 31 00 00-0046 | EA | 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI) | 16,529.01 | 252.14 |
| 26 31 00 00-0047 | EA | 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI) | 17,012.97 | 252.14 |
| 26 31 00 00-0048 | EA | 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI) | 17,012.97 | 252.14 |
| 26 31 00 00-0049 | EA | 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI) | 51,791.76 | 756.41 |
| 26 31 00 00-0050 | EA | 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI) | 49,371.92 | 756.41 |
| 26 31 00 00-0051 | EA | 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI) | 56,631.45 | 756.41 |
| 26 31 00 00-0052 | EA | 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI) | 55,287.09 | 756.41 |
| 26 31 00 00-0053 | EA | 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI) | 60,126.78 | 756.41 |
| 26 31 00 00-0054 | EA | 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI) | 57,438.06 | 756.41 |
| 26 31 00 00-0055 | EA | 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI) | 63,319.76 | 1,008.54 |
| 26 31 00 00-0056 | EA | 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI) | 60,362.17 | 1,008.54 |
| 26 31 00 00-0057 | EA | 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI) | 65,739.60 | 1,008.54 |
| 26 31 00 00-0058 | EA | 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI) | 62,244.27 | 1,008.54 |
| **26 31 00 00-0059** | | **Xantrex Photovoltaic Inverters** *(26 31 00 00-0015)* | | |
| 26 31 00 00-0060 | EA | 0.6 KW Photovoltaic Inverter (Xantrex 806-1206) | 689.97 | 31.52 |
| 26 31 00 00-0061 | EA | 1 KW Photovoltaic Inverter (Xantrex 806-1210) | 752.25 | 31.52 |
| 26 31 00 00-0062 | EA | 2 KW Photovoltaic Inverter (Xantrex 806-1220) | 1,209.88 | 31.52 |
| **26 31 00 00-0063** | | **Photovoltaic DC-DC Converters** *(26 31)* | | |
| 26 31 00 00-0064 | EA | 15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations. | 404.09 | 47.27 |
| 26 31 00 00-0065 | EA | 20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23) | 268.67 | 47.27 |
| 26 31 00 00-0066 | EA | 60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60) | 752.33 | 47.27 |
| **26 31 00 00-0067** | | **Photovoltaic Combiner Boxes** *(26 31)* | | |
| **26 31 00 00-0068** | | **Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0067)* | | |
| 26 31 00 00-0069 | EA | 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3) | 480.49 | 126.07 |
| 26 31 00 00-0070 | EA | 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6) | 467.95 | 126.07 |
| 26 31 00 00-0071 | EA | 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12) | 745.17 | 189.10 |
| 26 31 00 00-0072 | EA | 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250) | 749.56 | 189.10 |
| 26 31 00 00-0073 | EA | 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16) | 1,156.37 | 189.10 |
| **26 31 00 00-0074** | | **SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0067)* | | |
| 26 31 00 00-0075 | EA | 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6) | 1,072.41 | 126.07 |
| 26 31 00 00-0076 | EA | 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12) | 1,286.13 | 126.07 |
| 26 31 00 00-0077 | EA | 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28) | 2,490.57 | 252.14 |
| 26 31 00 00-0078 | EA | 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52) | 5,744.57 | 252.14 |
| 26 31 00 00-0079 | EA | 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch) | 956.75 | 126.07 |
| **26 31 00 00-0080** | | **Photovoltaic Charge Controller** *(26 31)* | | |
| 26 31 00 00-0081 | EA | 35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35) | 321.87 | 47.27 |
| 26 31 00 00-0082 | EA | 40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40) | 430.69 | 47.27 |
| 26 31 00 00-0083 | EA | 60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60) | 503.24 | 47.27 |
| 26 31 00 00-0084 | EA | Remote Digital Meter For Xantrex C-35, 40 And 60 | 384.75 | 47.27 |
| 26 31 00 00-0085 | EA | MPPT Charge Controller (Xantrex XW SCC) | 1,339.94 | 63.03 |
| **26 31 00 00-0086** | | **Photovoltaic Batteries** *(26 31)* | | |
| **26 31 00 00-0087** | | **Concorde Photovoltaic Batteries** *(26 31 00 00-0086)* | | |
| 26 31 00 00-0088 | EA | 34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T) | 298.75 | 18.91 |
| 26 31 00 00-0089 | EA | 45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T) | 376.59 | 25.21 |
| 26 31 00 00-0090 | EA | 49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T) | 408.22 | 25.21 |
| 26 31 00 00-0091 | EA | 56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T) | 467.03 | 37.82 |
| 26 31 00 00-0092 | EA | 69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T) | 532.26 | 37.82 |
| 26 31 00 00-0093 | EA | 89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T) | 631.85 | 44.12 |
| 26 31 00 00-0094 | EA | 104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T) | 724.65 | 50.43 |
| 26 31 00 00-0095 | EA | 108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T) | 716.21 | 50.43 |
| 26 31 00 00-0096 | EA | 210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T) | 1,315.68 | 59.88 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 31 00 00-0097 | EA | 255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T) | 1,522.03 | 63.03 |
| **26 31 00 00-0098** | | **Deka Photovoltaic Batteries** *(26 31 00 00-0086)* | | |
| 26 31 00 00-0099 | EA | 31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1) | 312.21 | 31.57 |
| 26 31 00 00-0100 | EA | 50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF) | 430.71 | 31.57 |
| 26 31 00 00-0101 | EA | 74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24) | 636.27 | 31.57 |
| 26 31 00 00-0102 | EA | 86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27) | 728.16 | 31.57 |
| 26 31 00 00-0103 | EA | 98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31) | 730.58 | 31.57 |
| 26 31 00 00-0104 | EA | 183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D) | 1,417.38 | 31.57 |
| 26 31 00 00-0105 | EA | 225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D) | 1,639.86 | 31.57 |
| **26 31 00 00-0106** | | **Battery Enclosures** *(26 31 00 00-0086)* | | |
| 26 31 00 00-0107 | EA | 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010) | 353.23 | 31.52 |
| 26 31 00 00-0108 | EA | 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC) | 1,739.01 | 31.57 |
| 26 31 00 00-0109 | EA | 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL) | 1,635.03 | 31.57 |
| 26 31 00 00-0110 | EA | 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC) | 2,179.14 | 31.57 |
| 26 31 00 00-0111 | EA | 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1) | 969.99 | 31.57 |
| 26 31 00 00-0112 | EA | 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP) | 2,283.13 | 31.57 |
| **26 31 00 00-0113** | | **Photovoltaic System Monitoring** *(26 31)* | | |
| 26 31 00 00-0114 | EA | Solar Inverter Monitor (Xantrex 864-0203) | 745.64 | 63.03 |
| 26 31 00 00-0115 | EA | Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox) | 1,548.47 | 31.52 |
| 26 31 00 00-0116 | EA | Sun Radiation And Temperature Monitor (SMA Sunny SensorBox) | 1,293.41 | 31.52 |
| 26 31 00 00-0117 | EA | PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA) | 236.71 | 31.52 |
| 26 31 00 00-0118 | EA | Wind Sensor Accessory For Sunny SensorBox (SMA) | 586.23 | 63.03 |
| 26 31 00 00-0119 | EA | Sunny Boy Control with RS485 (SMA) | 1,523.08 | 31.52 |
| 26 31 00 00-0120 | EA | RS 485 Module (SMA) | 344.50 | 31.52 |
| 26 31 00 00-0121 | EA | RS 232 Module (SMA) | 353.23 | 31.52 |
| 26 31 00 00-0122 | EA | Wireless Monitor with Bluetooth (SMA Sunny Beam) | 662.23 | |
| 26 31 00 00-0123 | EA | Bluetooth Piggy-Back Computer Card (SMA) | 357.93 | 31.52 |
| 26 31 00 00-0124 | EA | RS485-N Communication Computer Card (SMA) | 355.50 | 31.52 |
| 26 31 00 00-0125 | EA | Bluetooth Repeater (SMA) | 673.56 | 31.52 |
| 26 31 00 00-0126 | EA | Sunny Boy PC Service Cable (SMA) | 320.44 | 9.46 |
| 26 31 00 00-0127 | EA | Integrated Revenue Grade Meter, Option (PVPowered) | 6,202.94 | |
| 26 31 00 00-0128 | EA | Data Monitoring Module (PVPowered PVM1010) | 672.14 | 31.52 |
| 26 31 00 00-0129 | EA | Wireless IG Personal Display (Fronius 4,240,108) | 672.84 | |
| 26 31 00 00-0130 | EA | DatCom Power Supply (Fronius 43,0001,2311) | 219.88 | |
| 26 31 00 00-0131 | EA | Wireless Card For IG Personal Display (Fronius 4,240,008,Z) | 399.12 | 31.52 |
| 26 31 00 00-0132 | EA | Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z) | 337.21 | 31.52 |
| 26 31 00 00-0133 | EA | Datalogger Pro Box (Fronius 4,240,102) | 1,333.32 | 31.52 |
| 26 31 00 00-0134 | EA | Datalogger Easy Box (Fronius 4,240,103) | 866.23 | 31.52 |
| 26 31 00 00-0135 | EA | Datalogger Interface Box (Fronius 4,240,105) | 1,505.69 | 31.52 |
| 26 31 00 00-0136 | EA | Datalogger Web (Fronius 4,240,122) | 2,589.55 | 31.52 |
| 26 31 00 00-0137 | EA | Interface Box (Fronius 4,240,109) | 693.49 | 31.52 |
| 26 31 00 00-0138 | EA | Interface Card (Fronius 4,240,009,Z) | 493.93 | 31.52 |
| 26 31 00 00-0139 | EA | Interface Card Easy (Fronius 4,240,013,Z) | 324.65 | 31.52 |
| 26 31 00 00-0140 | EA | Sensor Box (Fronius 4,240,104) | 1,392.66 | 31.52 |
| 26 31 00 00-0141 | EA | Ambient Temperature Sensor (Fronius 43,0001,1188) | 151.67 | 31.52 |
| 26 31 00 00-0142 | EA | Irradiance Sensor (Fronius 43,0001,1188) | 481.65 | 31.52 |
| 26 31 00 00-0143 | EA | Module Temperature Sensor (Fronius 43,0001,1190) | 536.77 | 31.52 |
| 26 31 00 00-0144 | EA | Wind Speed Sensor (Fronius 42,0411,0027) | 279.46 | 63.03 |
| **26 31 00 00-0145** | | **Photovoltaic System Accessories** *(26 31)* | | |
| 26 31 00 00-0146 | EA | Four Inverter Bypass Switch (OutBack AC-IOB-100Q) | 1,023.82 | 63.03 |
| 26 31 00 00-0147 | EA | Line Communication Filter (Enphase LCF) | 2,232.73 | 126.07 |
| 26 31 00 00-0148 | EA | 15 Meter RS 485 Communication Cable (SMA) | 171.26 | 9.46 |
| 26 31 00 00-0149 | EA | 15 Meter RS 232 Communication Cable (SMA) | 258.32 | 9.46 |
| 26 31 00 00-0150 | EA | 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect | 39.17 | 3.12 |
| 26 31 00 00-0151 | EA | 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect | 42.09 | 3.12 |
| 26 31 00 00-0152 | EA | 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect | 43.74 | 3.12 |
| 26 31 00 00-0153 | EA | 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect | 48.31 | 3.12 |
| 26 31 00 00-0154 | EA | 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect | 55.17 | 3.12 |
| 26 31 00 00-0155 | EA | 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect | 87.47 | 6.24 |
| 26 31 00 00-0156 | EA | 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect | 108.75 | 6.24 |
| 26 31 00 00-0157 | EA | 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect | 142.62 | 9.36 |
| 26 31 00 00-0158 | EA | 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect | 49.45 | 3.12 |
| 26 31 00 00-0159 | EA | 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect | 68.88 | 3.12 |
| 26 31 00 00-0160 | EA | 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect | 101.18 | 6.24 |
| 26 31 00 00-0161 | EA | 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect | 135.46 | 6.24 |
| 26 31 00 00-0162 | EA | 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect | 219.50 | 12.48 |
| 26 31 00 00-0163 | EA | 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect | 229.18 | 12.48 |
| 26 31 00 00-0164 | EA | Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery<br>Note: Tamper proof enclosure. | 4,083.89 | 340.38 |
| **26 31 00 00-0165** | | **Photovoltaic Mounting Systems** *(26 31)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 31 00 00-0166 | LF | Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard) | 13.81 | 3.15 |
| 26 31 00 00-0167 | EA | Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229) | 39.10 | 15.75 |
| 26 31 00 00-0168 | EA | Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216) | 49.87 | 15.75 |
| 26 31 00 00-0169 | EA | 8" x 3/8" Hanger Bolt (UNIRAC 310046)<br>Note: Supports mounting rail above tile or metal roof. | 26.49 | 6.30 |
| 26 31 00 00-0170 | EA | Mounting Rail Grounding Clip (UNIRAC 980006)<br>Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips. | 12.47 | 4.73 |
| 26 31 00 00-0171 | EA | Mounting Rail Grounding Lugs (UNIRAC 980012)<br>Note: Two grounding lugs for each rail splice and one additional lug for each rail. | 26.99 | 6.30 |
| 26 31 00 00-0172 | EA | Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002)<br>Note: Four for each row of modules you plan to mount. | 7.21 | 2.10 |
| 26 31 00 00-0173 | EA | Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)<br>Note: For each row, take one less than the number of modules in the row and multiply that figure by 2. | 7.56 | 2.10 |
| 26 31 00 00-0174 | EA | Photovoltaic Module Mount L-Feet (UNIRAC 310065) | 18.64 | 6.30 |
| 26 31 00 00-0175 | EA | 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121)<br>Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs. | 111.44 | 31.52 |
| 26 31 00 00-0176 | EA | 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122)<br>Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs. | 123.63 | 31.52 |
| 26 31 00 00-0177 | EA | 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123)<br>Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs. | 133.45 | 31.52 |
| 26 31 00 00-0178 | EA | 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)<br>Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet. | 163.62 | 47.27 |
| 26 31 00 00-0179 | EA | 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)<br>Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet. | 200.18 | 47.27 |
| 26 31 00 00-0180 | EA | 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)<br>Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet. | 233.36 | 47.27 |
| 26 31 00 00-0181 | EA | 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)<br>Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet. | 256.08 | 63.03 |
| 26 31 00 00-0182 | EA | 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)<br>Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet. | 343.43 | 63.03 |
| 26 31 00 00-0183 | EA | 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110)<br>Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet. | 482.29 | 94.55 |
| 26 31 00 00-0184 | EA | Ballasted Photovoltaic Module Frame (UNIRAC 310351)<br>Note: Excludes ballast. | 235.39 | |
| 26 31 00 00-0185 | EA | Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355)<br>Note: Excludes ballast. | 439.26 | |
| 26 31 00 00-0186 | EA | 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051) | 87.10 | 31.52 |
| 26 31 00 00-0187 | EA | 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052) | 88.22 | 31.52 |
| 26 31 00 00-0188 | EA | 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053) | 89.24 | 31.52 |
| 26 31 00 00-0189 | EA | 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054) | 91.81 | 31.52 |
| 26 31 00 00-0190 | EA | 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553) | 80.30 | 31.52 |
| 26 31 00 00-0191 | EA | 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554) | 81.59 | 31.52 |
| 26 31 00 00-0192 | EA | 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555) | 85.38 | 31.52 |
| 26 31 00 00-0193 | EA | 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556) | 84.30 | 31.52 |
| 26 31 00 00-0194 | EA | 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390) | 168.36 | 47.27 |
| 26 31 00 00-0195 | EA | 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391) | 169.14 | 47.27 |
| 26 31 00 00-0196 | EA | 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394) | 171.44 | 47.27 |
| 26 31 00 00-0197 | EA | Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370) | 169.03 | 47.27 |
| 26 31 00 00-0198 | EA | Photovoltaic Module Standoff Flashing (UNIRAC 990103) | 33.88 | 6.30 |
| 26 31 00 00-0199 | EA | Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161) | 22.12 | 6.30 |
| 26 31 00 00-0200 | EA | 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100) | 42.20 | 9.46 |
| 26 31 00 00-0201 | EA | 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100) | 43.96 | 9.46 |
| 26 31 00 00-0202 | EA | Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)<br>Note: Mid or end clamp. | 12.33 | 2.10 |
| 26 31 00 00-0203 | EA | Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024) | 56.51 | 6.30 |
| 26 31 00 00-0204 | EA | Photovoltaic Module Wire Clip (UNIRAC 908002S-0100) | 2.84 | |

# 26 32 Packaged Generator Assemblies *(26 30)*

## 26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

### 26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

See CSI section 01 22 23 00-0824 for fuel reimbursment for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 32 13 13-0002 | EA | 20 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 33,927.43 | 1,090.40 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *5,129.38* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *13,060.29* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *18,944.48* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *25,259.31* | |
| | | *For Single Phase, Add* | *1,266.91* | |
| 26 32 13 13-0003 | EA | 25 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 35,682.07 | 1,151.74 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *5,129.38* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *13,060.29* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *18,944.48* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *25,259.31* | |
| 26 32 13 13-0004 | EA | 30 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 37,461.49 | 1,216.48 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *5,129.38* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *13,060.29* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *18,944.48* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *25,259.31* | |
| | | *For Single Phase, Add* | *1,397.02* | |
| 26 32 13 13-0005 | EA | 35 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 38,227.73 | 1,342.56 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *5,129.38* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *13,060.29* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *18,944.48* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *25,259.31* | |
| 26 32 13 13-0006 | EA | 40 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 39,007.74 | 1,472.04 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *5,129.38* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *13,060.29* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *18,944.48* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *25,259.31* | |
| 26 32 13 13-0007 | EA | 50 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 45,769.12 | 1,690.13 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *5,129.38* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *13,060.29* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *18,944.48* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *25,259.31* | |
| 26 32 13 13-0008 | EA | 60 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 49,315.70 | 1,942.28 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *5,129.38* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *13,060.29* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *18,944.48* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *25,259.31* | |
| 26 32 13 13-0009 | EA | 80 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 57,936.43 | 2,276.22 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *5,129.38* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *13,060.29* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *18,944.48* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *25,259.31* | |
| 26 32 13 13-0010 | EA | 100 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 62,275.71 | 2,644.22 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *7,780.18* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *20,144.88* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *26,859.84* | |
| 26 32 13 13-0011 | EA | 125 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 63,708.53 | 3,134.90 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *7,780.18* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *20,144.88* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *26,859.84* | |
| 26 32 13 13-0012 | EA | 150 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 70,428.18 | 3,455.21 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *7,780.18* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *20,144.88* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *26,859.84* | |
| 26 32 13 13-0013 | EA | 175 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 73,995.94 | 3,857.29 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *7,780.18* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *20,144.88* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *26,859.84* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 32 13 13-0014 | EA | 200 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 78,640.28 | 4,225.31 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *7,780.18* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *20,144.88* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *26,859.84* | |
| 26 32 13 13-0015 | EA | 230 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 84,775.39 | 4,463.83 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *7,780.18* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *20,144.88* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *26,859.84* | |
| 26 32 13 13-0016 | EA | 250 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 88,358.22 | 4,647.84 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *50,456.40* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *55,869.88* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *74,493.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *61,196.04* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *68,293.77* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *91,058.36* | |
| 26 32 13 13-0017 | EA | 275 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 96,151.50 | 4,899.99 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *50,456.40* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *55,869.88* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *74,493.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *61,196.04* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *68,293.77* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *91,058.36* | |
| 26 32 13 13-0018 | EA | 300 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 98,246.89 | 5,118.07 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *50,456.40* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *55,869.88* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *74,493.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *61,196.04* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *68,293.77* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *91,058.36* | |
| 26 32 13 13-0019 | EA | 350 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 110,746.20 | 5,724.61 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *50,456.40* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *55,869.88* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *74,493.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *61,196.04* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *68,293.77* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *91,058.36* | |
| 26 32 13 13-0020 | EA | 400 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 119,222.37 | 6,269.81 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *50,456.40* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *55,869.88* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *74,493.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *61,196.04* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *68,293.77* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *91,058.36* | |
| 26 32 13 13-0021 | EA | 450 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 134,590.83 | 6,753.67 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *50,456.40* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *55,869.88* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *74,493.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *61,196.04* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *68,293.77* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *91,058.36* | |
| 26 32 13 13-0022 | EA | 500 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 141,554.92 | 7,196.65 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *50,456.40* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *55,869.88* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *74,493.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *61,196.04* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *68,293.77* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *91,058.36* | |
| 26 32 13 13-0023 | EA | 600 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 205,664.59 | 7,925.85 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *103,073.17* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *124,124.18* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *165,498.90* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *121,234.12* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *144,602.80* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *192,803.73* | |
| 26 32 13 13-0024 | EA | 750 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 235,519.02 | 8,716.40 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *103,073.17* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *124,124.18* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *165,498.90* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *121,234.12* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *144,602.80* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *192,803.73* | |
| 26 32 13 13-0025 | EA | 800 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 245,936.64 | 8,907.21 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *103,073.17* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *124,124.18* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *165,498.90* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *121,234.12* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *144,602.80* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *192,803.73* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 32 13 13-0026 | EA | 900 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 299,977.52 | 9,602.35 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *103,073.17* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *124,124.18* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *165,498.90* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *121,234.12* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *144,602.80* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *192,803.73* | |
| 26 32 13 13-0027 | EA | 1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins) | 335,098.29 | 10,222.52 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *103,073.17* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *124,124.18* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *165,498.90* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *121,234.12* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *144,602.80* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *192,803.73* | |

### 26 32 13 13-0028 Diesel Generator Sets (Generac SD) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with 24 hour run time fuel tank, radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switch.

| | | | | |
|---|---|---|---|---|
| 26 32 13 13-0029 | EA | 10 KW, Industrial, Diesel Generator Set (Generac SD) | 21,950.98 | 681.50 |
| | | *For Steel Weather Protective Housing, Add* | *3,083.85* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *5,710.73* | |
| 26 32 13 13-0030 | EA | 15 KW, Industrial, Diesel Generator Set (Generac SD) | 22,384.30 | 817.80 |
| | | *For Steel Weather Protective Housing, Add* | *3,083.85* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *5,710.73* | |
| 26 32 13 13-0031 | EA | 20 KW, Industrial, Diesel Generator Set (Generac SD) | 23,189.09 | 913.21 |
| | | *For Steel Weather Protective Housing, Add* | *3,083.85* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *5,710.73* | |
| 26 32 13 13-0032 | EA | 25 KW, Industrial, Diesel Generator Set (Generac SD) | 24,908.78 | 1,090.40 |
| | | *For Steel Weather Protective Housing, Add* | *3,083.85* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *5,710.73* | |
| 26 32 13 13-0033 | EA | 30 KW, Industrial, Diesel Generator Set (Generac SD) | 25,473.99 | 1,216.48 |
| | | *For Steel Weather Protective Housing, Add* | *3,083.85* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *5,710.73* | |
| 26 32 13 13-0034 | EA | 35 KW, Industrial, Diesel Generator Set (Generac SD) | 28,240.89 | 1,342.56 |
| | | *For Steel Weather Protective Housing, Add* | *3,083.85* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *5,710.73* | |
| 26 32 13 13-0035 | EA | 40 KW, Industrial, Diesel Generator Set (Generac SD) | 28,725.07 | 1,472.04 |
| | | *For Steel Weather Protective Housing, Add* | *3,083.85* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *5,710.73* | |
| 26 32 13 13-0036 | EA | 50 KW, Industrial, Diesel Generator Set (Generac SD) | 29,746.22 | 1,690.13 |
| | | *For Steel Weather Protective Housing, Add* | *3,083.85* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *5,710.73* | |
| 26 32 13 13-0037 | EA | 60 KW, Industrial, Diesel Generator Set (Generac SD) | 32,485.86 | 1,942.28 |
| | | *For Steel Weather Protective Housing, Add* | *3,738.00* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *7,504.97* | |
| 26 32 13 13-0038 | EA | 80 KW, Industrial, Diesel Generator Set (Generac SD) | 39,121.45 | 2,276.22 |
| | | *For Steel Weather Protective Housing, Add* | *3,738.00* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *8,092.77* | |
| 26 32 13 13-0039 | EA | 100 KW, Industrial, Diesel Generator Set (Generac SD) | 40,850.84 | 2,616.96 |
| | | *For Steel Weather Protective Housing, Add* | *5,544.08* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *9,898.85* | |
| 26 32 13 13-0040 | EA | 135 KW, Industrial, Diesel Generator Set (Generac SD) | 50,703.59 | 3,203.05 |
| | | *For Steel Weather Protective Housing, Add* | *5,544.08* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *10,234.33* | |
| 26 32 13 13-0041 | EA | 150 KW, Industrial, Diesel Generator Set (Generac SD) | 53,432.01 | 3,455.21 |
| | | *For Steel Weather Protective Housing, Add* | *5,544.08* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *10,234.33* | |
| 26 32 13 13-0042 | EA | 180 KW, Industrial, Diesel Generator Set (Generac SD) | 60,723.73 | 3,918.63 |
| | | *For Steel Weather Protective Housing, Add* | *5,544.08* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *10,234.33* | |
| 26 32 13 13-0043 | EA | 200 KW, Industrial, Diesel Generator Set (Generac SD) | 60,757.38 | 4,225.31 |
| | | *For Steel Weather Protective Housing, Add* | *6,952.68* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *11,642.94* | |
| 26 32 13 13-0044 | EA | 230 KW, Industrial, Diesel Generator Set (Generac SD) | 73,337.14 | 4,463.83 |
| | | *For Steel Weather Protective Housing, Add* | *6,952.68* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *18,720.84* | |
| 26 32 13 13-0045 | EA | 250 KW, Industrial, Diesel Generator Set (Generac SD) | 78,000.12 | 4,647.84 |
| | | *For Steel Weather Protective Housing, Add* | *6,952.68* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *18,720.84* | |
| 26 32 13 13-0046 | EA | 275 KW, Industrial, Diesel Generator Set (Generac SD) | 80,113.33 | 4,899.99 |
| | | *For Steel Weather Protective Housing, Add* | *10,591.00* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *22,359.16* | |
| 26 32 13 13-0047 | EA | 300 KW, Industrial, Desel Generator Set (Generac SD) | 87,775.97 | 5,118.07 |
| | | *For Steel Weather Protective Housing, Add* | *10,591.00* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *22,359.16* | |
| 26 32 13 13-0048 | EA | 350 KW, Industrial, Diesel Generator Set (Generac SD) | 95,304.40 | 5,724.61 |
| | | *For Steel Weather Protective Housing, Add* | *10,591.00* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *23,007.70* | |
| 26 32 13 13-0049 | EA | 400 KW, Industrial, Diesel Generator Set (Generac SD) | 102,388.95 | 6,133.51 |
| | | *For Steel Weather Protective Housing, Add* | *10,591.00* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *23,007.70* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 32 13 13-0050 | EA | 500 KW, Industrial, Diesel Generator Set (Generac SD) | 113,925.96 | 7,196.65 |
| | | *For Steel Weather Protective Housing, Add* | *17,755.50* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *25,302.52* | |
| 26 32 13 13-0051 | EA | 600 KW, Industrial, Diesel Generator Set (Generac SD) | 153,248.45 | 7,925.85 |
| | | *For Steel Weather Protective Housing, Add* | *23,119.53* | |
| | | *For Level 1 Steel Weather/Sound Protective Housing, Add* | *35,536.23* | |

## 26 32 13 13-0052 Diesel Generator Sets (Kohler) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277, 416/240 or 380/220 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

| | | | | |
|---|---|---|---|---|
| 26 32 13 13-0053 | EA | 80 KW Diesel Generator Set, 3 Phase (Kohler 80REOZJ) | 31,863.21 | 2,276.22 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *5,129.38* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *13,060.29* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *18,944.48* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *25,259.31* | |
| 26 32 13 13-0054 | EA | 100 KW Diesel Generator Set, 3 Phase (Kohler 100REOZJ) | 33,510.81 | 2,644.22 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *7,780.18* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *20,144.88* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *26,859.84* | |
| 26 32 13 13-0055 | EA | 125 KW Diesel Generator Set, 3 Phase (Kohler 125REOZJ) | 42,139.30 | 3,134.90 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *7,780.18* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *20,144.88* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *26,859.84* | |
| 26 32 13 13-0056 | EA | 150 KW Diesel Generator Set, 3 Phase (Kohler 150REOZJ) | 43,578.53 | 3,455.21 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *7,780.18* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *20,144.88* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *26,859.84* | |
| 26 32 13 13-0057 | EA | 200 KW Diesel Generator Set, 3 Phase (Kohler 200REOZJ) | 51,818.44 | 4,225.31 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *7,780.18* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *20,144.88* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *26,859.84* | |
| 26 32 13 13-0058 | EA | 250 KW Diesel Generator Set, 3 Phase (Kohler 250REOZJ) | 64,272.24 | 4,647.84 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *50,456.40* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *55,869.88* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *74,493.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *61,196.04* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *68,293.77* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *91,058.36* | |
| 26 32 13 13-0059 | EA | 300 KW Diesel Generator Set, 3 Phase (Kohler 300REOZJ) | 70,448.04 | 5,118.07 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *50,456.40* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *55,869.88* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *74,493.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *61,196.04* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *68,293.77* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *91,058.36* | |
| 26 32 13 13-0060 | EA | 350 KW Diesel Generator Set, 3 Phase (Kohler 350REOZJ) | 77,976.11 | 5,724.61 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *50,456.40* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *55,869.88* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *74,493.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *61,196.04* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *68,293.77* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *91,058.36* | |
| 26 32 13 13-0061 | EA | 400 KW Diesel Generator Set, 3 Phase (Kohler 400REOZJ) | 82,896.53 | 6,269.81 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *50,456.40* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *55,869.88* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *74,493.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *61,196.04* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *68,293.77* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *91,058.36* | |
| 26 32 13 13-0062 | EA | 500 KW Diesel Generator Set, 3 Phase (Kohler 500REOZJ) | 98,079.13 | 7,196.65 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *50,456.40* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *55,869.88* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *74,493.17* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *61,196.04* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *68,293.77* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *91,058.36* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 32 13 13-0063 | EA | 600 KW Diesel Generator Set, 3 Phase (Kohler 600REOZJ) | 121,404.55 | 7,925.85 |
| | | *For Weather Resistant Steel Diesel Generator Enclosure, Add* | *103,073.17* | |
| | | *For Quietsite Level 1 Steel Diesel Generator Enclosure, Add* | *124,124.18* | |
| | | *For Quietsite Level 2 Steel Diesel Generator Enclosure, Add* | *165,498.90* | |
| | | *For Weather Resistant Aluminum Diesel Generator Enclosure, Add* | *121,234.12* | |
| | | *For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add* | *144,602.80* | |
| | | *For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add* | *192,803.73* | |
| 26 32 13 13-0064 | EA | 1,250 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD) | 466,411.83 | 10,563.26 |
| 26 32 13 13-0065 | EA | 1,500 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD) | 476,701.15 | 10,904.01 |
| 26 32 13 13-0066 | EA | 1,750 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD) | 557,629.19 | 11,244.76 |
| 26 32 13 13-0067 | EA | 2,000 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD) | 657,432.61 | 11,585.52 |
| 26 32 13 13-0068 | EA | 2,250 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD) | 748,578.35 | 11,926.27 |
| 26 32 13 13-0069 | EA | 2,500 KW Diesel Generator Set, 3 Phase (Kohlar REOZDB) | 943,267.52 | 12,267.02 |
| 26 32 13 13-0070 | EA | 2,800 KW Diesel Generator Set, 3 Phase (Kohlar REOZDB) | 1,137,956.71 | 12,607.77 |
| 26 32 13 13-0071 | EA | 3,000 KW Diesel Generator Set, 3 Phase (Kohlar REOZD) | 1,301,910.64 | 13,289.27 |
| 26 32 13 13-0072 | EA | 3,250 KW Diesel Generator Set, 3 Phase (Kohlar REOZD) | 1,389,767.07 | 13,970.77 |
| 26 32 13 13-0073 | EA | 4,000 KW Diesel Generator Set, 3 Phase (Caterpillar C175) | 2,028,222.78 | 16,015.28 |

## 26 32 13 13-0074 Diesel Generator Sets (Taylor) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

| | | | | |
|---|---|---|---|---|
| 26 32 13 13-0075 | EA | 9 KW Diesel Generator Set, 3 Phase (Taylor TD9) | 24,719.87 | 816.98 |
| 26 32 13 13-0076 | EA | 13 KW Diesel Generator Set, 3 Phase (Taylor TD13) | 25,415.65 | 921.52 |
| 26 32 13 13-0077 | EA | 20 KW Diesel Generator Set, 3 Phase (Taylor TD20) | 26,597.31 | 1,028.38 |
| 26 32 13 13-0078 | EA | 28 KW Diesel Generator Set, 3 Phase (Taylor TD28) | 29,543.04 | 1,153.51 |
| 26 32 13 13-0079 | EA | 30 KW Diesel Generator Set, 3 Phase (Taylor TD30) | 30,909.13 | 1,216.48 |
| 26 32 13 13-0080 | EA | 55 KW Diesel Generator Set, 3 Phase (Taylor TD55) | 34,576.97 | 1,816.20 |
| 26 32 13 13-0081 | EA | 60 KW Diesel Generator Set, 3 Phase (Taylor TD60) | 37,510.42 | 1,942.28 |
| 26 32 13 13-0082 | EA | 80 KW Diesel Generator Set, 3 Phase (Taylor TD80) | 40,284.57 | 2,276.22 |
| 26 32 13 13-0083 | EA | 100 KW Diesel Generator Set, 3 Phase (Taylor TD100) | 41,839.53 | 2,644.22 |
| 26 32 13 13-0084 | EA | 125 KW Diesel Generator Set, 3 Phase (Taylor TD125) | 55,712.73 | 3,134.90 |
| 26 32 13 13-0085 | EA | 140 KW Diesel Generator Set, 3 Phase (Taylor TD140) | 56,640.98 | 3,295.06 |
| 26 32 13 13-0086 | EA | 150 KW Diesel Generator Set, 3 Phase (Taylor TD150) | 57,627.38 | 3,455.21 |
| 26 32 13 13-0087 | EA | 175 KW Diesel Generator Set, 3 Phase (Taylor TD175) | 61,417.36 | 3,857.29 |
| 26 32 13 13-0088 | EA | 200 KW Diesel Generator Set, 3 Phase (Taylor TD200) | 64,247.73 | 4,225.31 |
| 26 32 13 13-0089 | EA | 250 KW Diesel Generator Set, 3 Phase (Taylor TD250) | 77,987.36 | 4,647.84 |
| 26 32 13 13-0090 | EA | 300 KW Diesel Generator Set, 3 Phase (Taylor TD300) | 88,366.66 | 5,118.07 |
| 26 32 13 13-0091 | EA | 350 KW Diesel Generator Set, 3 Phase (Taylor TD350) | 96,508.48 | 5,724.61 |
| 26 32 13 13-0092 | EA | 400 KW Diesel Generator Set, 3 Phase (Taylor TD400) | 99,049.57 | 6,269.81 |
| 26 32 13 13-0093 | EA | 450 KW Diesel Generator Set, 3 Phase (Taylor TD450) | 106,926.00 | 6,753.67 |
| 26 32 13 13-0094 | EA | 500 KW Diesel Generator Set, 3 Phase (Taylor TD500) | 112,438.00 | 7,196.65 |
| 26 32 13 13-0095 | EA | 550 KW Diesel Generator Set, 3 Phase (Taylor TD550) | 115,659.13 | 7,561.26 |
| 26 32 13 13-0096 | EA | 600 KW Diesel Generator Set, 3 Phase (Taylor TD600) | 142,465.04 | 7,925.85 |

## 26 32 13 13-0097 Diesel Particulate Filters *(26 32 13 13)*

| | | | | |
|---|---|---|---|---|
| 26 32 13 13-0098 | EA | Up To 50 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure<br>Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB. | 37,238.27 | |
| 26 32 13 13-0099 | EA | >50 To 75 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure<br>Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB. | 48,683.67 | |
| 26 32 13 13-0100 | EA | >75 To 100 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure<br>Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB. | 58,989.03 | |
| 26 32 13 13-0101 | EA | >100 To 200 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure<br>Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB. | 72,363.23 | |
| 26 32 13 13-0102 | EA | >200 To 500 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure<br>Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB. | 85,061.14 | |
| 26 32 13 13-0103 | EA | >500 To 1,000 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure<br>Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB. | 106,262.08 | |

## 26 32 13 13-0104 Diesel Generator Sets (Cummins) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 4208/120 Volt complete with level 2 sound enclosure. Includes installation, manufacturer's representative for startup. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switch.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 32 13 13-0105 | EA | 15 kW, 60 Hz, Standby, Diesel Generator Set, 3 Phase (Cummins C15D6) Note: Includes: 1) Duty Rating-Standby Power (ESP), Emission Certification, EPA, Tier 4i, NSPS CI Stationary Emer. 2) Listing-UL 2200, NFPA 110 Type 10 Level 1 Capable 3) Cert-Seismic, IBC2000, IBC2003, IBC2006, IBC2009, IBC2011 4) Voltage-120/208, 3 Phase, Wye, 4 Wire 5) Alternator-60Hz, 12L, 208/120V, 120C, 40C Ambient, Alternator Heater, 120 Volt AC 6) Aluminum Sound Attenuated Level 2 Enclosure, with Exhaust System 7) Enclosure Color-Sandstone, Aluminum and Wind Load 180 MPH, ASCE7-10 8) Relays-Auxiliary, Qty 2, 25A-15V DC/10A-30V DC 9) Signals-Auxiliary, 8 Inputs/8 Outputs 10) Engine Air Cleaner-Heavy Duty 11) Battery Charging Alternator and Battery Charger-6 Amp, Regulated 12) Engine Cooling-Radiator, High Ambient Air Temperature, Ship Fitted 13) Battery Rack 14) Sandstone Sound Level 2 Intake Baffle-Ship Loose | 51,270.78 | 1,090.40 |

### 26 32 13 13-0106 Fuel Level Alarm And Float Switch *(26 32 13 13)*

| | | | | |
|---|---|---|---|---|
| 26 32 13 13-0107 | EA | Liquid Level Tank Alarm and 3 Level Float Switch (Cummins) | 6,273.73 | |

## 26 32 13 19 Natural Gas-Engine-Driven Generator Sets *(26 32 13)*

### 26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

| | | | | |
|---|---|---|---|---|
| 26 32 13 19-0002 | EA | 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA) | 15,152.84 | 913.21 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *4,665.25* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *5,052.81* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *8,383.09* | |
| 26 32 13 19-0003 | EA | 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB) | 17,120.70 | 1,090.40 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *4,665.25* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *5,052.81* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *8,383.09* | |
| 26 32 13 19-0004 | EA | 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC) | 19,758.63 | 1,213.07 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *4,665.25* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *5,052.81* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *8,383.09* | |
| 26 32 13 19-0005 | EA | 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA) | 22,411.91 | 1,342.56 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *4,665.25* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *14,292.39* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0006 | EA | 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB) | 25,149.86 | 1,472.04 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *4,665.25* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *14,292.39* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0007 | EA | 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC) | 27,255.89 | 1,587.90 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *4,665.25* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *14,292.39* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0008 | EA | 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE) | 29,838.99 | 1,942.28 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *4,665.25* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *14,292.39* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0009 | EA | 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF) | 32,026.47 | 2,173.99 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *4,665.25* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *14,292.39* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0010 | EA | 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG) | 41,986.50 | 2,323.92 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *8,502.70* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0011 | EA | 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH) | 50,574.38 | 2,616.96 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *8,502.70* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 32 13 19-0012 | EA | 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA) | 57,936.91 | 3,134.90 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *8,502.70* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0013 | EA | 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB) | 68,833.69 | 3,455.21 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *8,502.70* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0014 | EA | 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA) | 111,173.44 | 9,190.58 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *45,374.87* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *50,228.52* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *66,971.36* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *49,611.87* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *74,447.71* | |
| 26 32 13 19-0015 | EA | 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB) | 126,185.82 | 4,150.34 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *45,374.87* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *50,228.52* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *66,971.36* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *49,611.87* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *74,447.71* | |
| 26 32 13 19-0016 | EA | 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) | 135,708.89 | 4,647.84 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *45,374.87* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *50,228.52* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *66,971.36* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *49,611.87* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *74,447.71* | |
| 26 32 13 19-0017 | EA | 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA) | 175,421.75 | 5,118.07 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *45,374.87* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *50,228.52* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *66,971.36* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *49,611.87* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *74,447.71* | |
| 26 32 13 19-0018 | EA | 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) | 188,315.52 | 5,724.61 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *45,374.87* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *50,228.52* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *66,971.36* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *49,611.87* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *74,447.71* | |
| 26 32 13 19-0019 | EA | 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA) | 264,445.13 | 6,753.67 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *99,077.80* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *105,269.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *140,359.22* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *112,535.23* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *159,051.30* | |
| 26 32 13 19-0020 | EA | 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) | 338,084.25 | 7,196.65 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *99,077.80* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *105,269.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *140,359.22* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *112,535.23* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *159,051.30* | |
| 26 32 13 19-0021 | EA | 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) | 378,260.83 | 7,585.10 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *99,077.80* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *105,269.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *140,359.22* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *112,535.23* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *159,051.30* | |
| 26 32 13 19-0022 | EA | 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA) | 430,783.37 | 7,925.85 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *99,077.80* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *105,269.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *140,359.22* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *112,535.23* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *159,051.30* | |
| 26 32 13 19-0023 | EA | 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB) | 450,422.20 | 8,225.72 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *99,077.80* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *105,269.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *140,359.22* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *112,535.23* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *159,051.30* | |
| 26 32 13 19-0024 | EA | 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC) | 476,425.39 | 8,791.36 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *99,077.80* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *105,269.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *140,359.22* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *112,535.23* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *159,051.30* | |

### 26 32 13 19-0025 Natural Gas Or Propane Generator Sets (Generac QTA) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 32 13 19-0026 | EA | 25 KW, Commercial, Natural Gas Generator Set (Generac QTA) | 17,249.93 | 1,090.40 |
| | | *For Steel Weather Protective Housing, Add* | *1,165.01* | |
| | | *For Aluminum Weather Protective Housing, Add* | *1,809.19* | |
| 26 32 13 19-0027 | EA | 55 KW, Commercial, Natural Gas Generator Set (Generac QTA) | 25,649.49 | 1,819.61 |
| | | *For Steel Weather Protective Housing, Add* | *1,652.20* | |
| | | *For Aluminum Weather Protective Housing, Add* | *2,125.99* | |
| 26 32 13 19-0028 | EA | 70 KW, Commercial, Natural Gas Generator Set (Generac QTA) | 28,814.44 | 2,173.99 |
| | | *For Steel Weather Protective Housing, Add* | *2,136.89* | |
| | | *For Aluminum Weather Protective Housing, Add* | *2,124.12* | |
| 26 32 13 19-0029 | EA | 80 KW, Commercial, Natural Gas Generator Set (Generac QTA) | 30,335.29 | 2,276.22 |
| | | *For Steel Weather Protective Housing, Add* | *1,652.20* | |
| | | *For Aluminum Weather Protective Housing, Add* | *2,487.64* | |
| 26 32 13 19-0030 | EA | 100 KW, Commercial, Natural Gas Generator Set (Generac QTA) | 37,043.69 | 2,616.96 |
| | | *For Steel Weather Protective Housing, Add* | *2,136.89* | |
| | | *For Aluminum Weather Protective Housing, Add* | *2,289.52* | |
| 26 32 13 19-0031 | EA | 130 KW, Commercial, Natural Gas Generator Set (Generac QTA) | 42,831.34 | 3,121.27 |
| | | *For Steel Weather Protective Housing, Add* | *2,136.89* | |
| | | *For Aluminum Weather Protective Housing, Add* | *1,884.89* | |
| 26 32 13 19-0032 | EA | 150 KW, Commercial, Natural Gas Generator Set (Generac QTA) | 48,350.20 | 3,455.21 |
| | | *For Steel Weather Protective Housing, Add* | *2,136.89* | |
| | | *For Aluminum Weather Protective Housing, Add* | *1,835.36* | |

## 26 32 13 19-0033 Natural Gas Or Propane Generator Sets (Generac SG) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

| | | | | |
|---|---|---|---|---|
| 26 32 13 19-0034 | EA | 35 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG) | 20,325.68 | 1,342.56 |
| | | *For Steel Weather Protective Housing, Add* | *3,551.10* | |
| | | *For Level 2 Steel Weather/Sound Protective Housing, Add* | *6,359.27* | |
| 26 32 13 19-0035 | EA | 40 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG) | 22,817.16 | 1,472.04 |
| | | *For Steel Weather Protective Housing, Add* | *3,551.10* | |
| | | *For Level 2 Steel Weather/Sound Protective Housing, Add* | *6,359.27* | |
| 26 32 13 19-0036 | EA | 45 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG) | 23,762.84 | 1,587.90 |
| | | *For Steel Weather Protective Housing, Add* | *3,551.10* | |
| | | *For Level 2 Steel Weather/Sound Protective Housing, Add* | *6,359.27* | |
| 26 32 13 19-0037 | EA | 70 KW, Industrial, Natural Gas Generator Set (Generac SG) | 31,636.31 | 2,173.99 |
| | | *For Steel Weather Protective Housing, Add* | *2,136.89* | |
| | | *For Level 2 Steel Weather/Sound Protective Housing, Add* | *8,880.55* | |
| 26 32 13 19-0038 | EA | 100 KW, Industrial, Natural Gas Generator Set (Generac SG) | 37,748.92 | 2,616.96 |
| | | *For Steel Weather Protective Housing, Add* | *2,136.89* | |
| | | *For Level 2 Steel Weather/Sound Protective Housing, Add* | *8,880.55* | |
| 26 32 13 19-0039 | EA | 130 KW, Industrial, Natural Gas Generator Set (Generac SG) | 45,592.48 | 3,121.27 |
| | | *For Steel Weather Protective Housing, Add* | *2,136.89* | |
| | | *For Level 2 Steel Weather/Sound Protective Housing, Add* | *8,880.55* | |
| 26 32 13 19-0040 | EA | 150 KW, Industrial, Natural Gas Generator Set (Generac SG) | 75,587.76 | 3,455.21 |
| | | *For Steel Weather Protective Housing, Add* | *9,345.00* | |
| | | *For Level 2 Steel Weather/Sound Protective Housing, Add* | *17,035.94* | |
| 26 32 13 19-0041 | EA | 175 KW, Industrial, Natural Gas Generator Set (Generac SG) | 84,034.27 | 3,857.29 |
| | | *For Steel Weather Protective Housing, Add* | *9,345.00* | |
| | | *For Level 2 Steel Weather/Sound Protective Housing, Add* | *17,035.94* | |
| 26 32 13 19-0042 | EA | 200 KW, Industrial, Natural Gas Generator Set (Generac SG) | 89,005.44 | 4,225.31 |
| | | *For Steel Weather Protective Housing, Add* | *9,345.00* | |
| | | *For Level 2 Steel Weather/Sound Protective Housing, Add* | *17,035.94* | |
| 26 32 13 19-0043 | EA | 250 KW, Industrial, Natural Gas Generator Set (Generac SG) | 127,990.26 | 4,647.84 |
| | | *For Steel Weather Protective Housing, Add* | *9,345.00* | |
| | | *For Level 2 Steel Weather/Sound Protective Housing, Add* | *17,035.94* | |
| 26 32 13 19-0044 | EA | 275 KW, Industrial, Natural Gas Generator Set (Generac SG) | 130,563.56 | 4,899.99 |
| | | *For Steel Weather Protective Housing, Add* | *9,345.00* | |
| | | *For Level 2 Steel Weather/Sound Protective Housing, Add* | *17,035.94* | |
| 26 32 13 19-0045 | EA | 300 KW, Industrial, Natural Gas Generator Set (Generac SG) | 133,187.37 | 5,118.07 |
| | | *For Steel Weather Protective Housing, Add* | *9,345.00* | |
| | | *For Level 2 Steel Weather/Sound Protective Housing, Add* | *17,035.94* | |

## 26 32 13 19-0046 Natural Gas Or Propane Generator Sets (Taylor) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.

| | | | | |
|---|---|---|---|---|
| 26 32 13 19-0047 | EA | 30 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG30) | 26,933.52 | 1,216.48 |
| 26 32 13 19-0048 | EA | 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG40) | 29,351.86 | 1,458.41 |
| 26 32 13 19-0049 | EA | 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG60) | 30,621.24 | 1,942.28 |
| 26 32 13 19-0050 | EA | 80 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG80) | 45,383.65 | 2,276.22 |
| 26 32 13 19-0051 | EA | 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG100) | 49,335.96 | 2,644.22 |
| 26 32 13 19-0052 | EA | 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG125) | 64,715.04 | 3,134.90 |
| 26 32 13 19-0053 | EA | 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG150) | 67,809.60 | 3,455.21 |
| 26 32 13 19-0054 | EA | 200 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG200) | 112,367.24 | 4,225.31 |
| 26 32 13 19-0055 | EA | 250 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG250) | 157,276.66 | 4,647.84 |
| 26 32 13 19-0056 | EA | 350 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG350) | 191,789.90 | 5,724.61 |
| 26 32 13 19-0057 | EA | 400 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG400) | 228,708.94 | 6,269.81 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 32 13 19-0058** | | **Natural Gas Or Propane Generator Sets (Kohler KG)** *(26 32 13 19)*<br>Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches. | | |
| 26 32 13 19-0059 | EA | 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG40) | 21,026.14 | 1,472.04 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *4,665.25* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *14,292.39* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0060 | EA | 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG45) | 22,209.44 | 1,587.90 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *4,665.25* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *14,292.39* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0061 | EA | 50 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG50) | 23,911.79 | 1,703.75 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *4,665.25* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *14,292.39* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0062 | EA | 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG60) | 25,167.41 | 1,942.28 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *4,665.25* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *12,070.42* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *16,093.89* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *14,292.39* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0063 | EA | 80 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG80) | 30,230.19 | 2,323.92 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *8,502.70* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0064 | EA | 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG100) | 34,060.37 | 2,616.96 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *8,502.70* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0065 | EA | 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG125) | 38,719.23 | 3,134.90 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *8,502.70* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0066 | EA | 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG150) | 46,313.42 | 3,455.21 |
| | | *For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add* | *8,502.70* | |
| | | *For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add* | *18,454.63* | |
| | | *For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add* | *24,606.17* | |
| | | *For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *16,756.59* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add* | *23,988.92* | |
| 26 32 13 19-0067 | EA | 180 KW Natural Gas Generator Set, 3 Phase (Kohler KG180) | 67,308.73 | 9,190.58 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *45,374.87* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *50,228.52* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *66,971.36* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *49,611.87* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *74,447.71* | |
| 26 32 13 19-0068 | EA | 200 KW Natural Gas Generator Set, 3 Phase (Kohler KG200) | 76,538.81 | 4,150.34 |
| | | *For Weather Resistant Steel Natural Gas Generator Enclosure, Add* | *45,374.87* | |
| | | *For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add* | *50,228.52* | |
| | | *For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add* | *66,971.36* | |
| | | *For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add* | *49,611.87* | |
| | | *For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add* | *74,447.71* | |
| **26 32 13 19-0069** | | **Small Natural Gas Or Propane Air-Cooled Generator Sets** *(26 32 13 19)* | | |
| 26 32 13 19-0070 | EA | 7.5 KW Natural Gas Or Propane Air-Cooled Generator Set<br>Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch. | 5,137.61 | 583.04 |
| 26 32 13 19-0071 | EA | 10 KW Natural Gas Or Propane Air-Cooled Generator Set<br>Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch. | 6,478.13 | 647.83 |
| 26 32 13 19-0072 | EA | 14 KW Natural Gas Or Propane Air-Cooled Generator Set<br>Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch. | 7,471.45 | 712.60 |
| **26 32 29** | | **Rotary Converters** *(26 32)* | | |
| **26 32 29 00-0001** | | **60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output** *(26 32 29)* | | |
| 26 32 29 00-0002 | EA | 3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 10,125.35 | 252.14 |
| 26 32 29 00-0003 | EA | 5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 12,338.44 | 252.14 |
| 26 32 29 00-0004 | EA | 7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 16,352.59 | 252.14 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 32 29 00-0005 | EA | 10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 16,481.41 | 252.14 |
| 26 32 29 00-0006 | EA | 15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 18,292.01 | 315.17 |
| 26 32 29 00-0007 | EA | 20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 19,812.61 | 315.17 |
| 26 32 29 00-0008 | EA | 25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 20,747.69 | 315.17 |
| 26 32 29 00-0009 | EA | 40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 25,261.80 | 416.02 |
| 26 32 29 00-0010 | EA | 50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 28,080.85 | 416.02 |
| **26 32 29 00-0011** | | **60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output** *(26 32 29)* | | |
| 26 32 29 00-0012 | EA | 3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 11,727.51 | 252.14 |
| 26 32 29 00-0013 | EA | 5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 13,989.15 | 252.14 |
| 26 32 29 00-0014 | EA | 7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 16,003.99 | 252.14 |
| 26 32 29 00-0015 | EA | 10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 16,448.72 | 252.14 |
| 26 32 29 00-0016 | EA | 15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 18,628.47 | 315.17 |
| 26 32 29 00-0017 | EA | 20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 20,489.89 | 315.17 |
| 26 32 29 00-0018 | EA | 25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 21,167.17 | 315.17 |
| 26 32 29 00-0019 | EA | 40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 25,161.30 | 416.02 |
| 26 32 29 00-0020 | EA | 50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion | 26,695.01 | 416.02 |
| **26 32 29 00-0021** | | **460 Volt 3 Phase AC Motor Drive 250 Volt DC** *(26 32 29)* | | |
| 26 32 29 00-0022 | EA | 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion | 29,030.59 | 4,770.50 |
| 26 32 29 00-0023 | EA | 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion | 32,141.30 | 4,770.50 |
| 26 32 29 00-0024 | EA | 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion | 36,529.02 | 6,815.01 |
| 26 32 29 00-0025 | EA | 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion | 42,685.94 | 6,815.01 |
| 26 32 29 00-0026 | EA | 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion | 48,498.50 | 6,815.01 |
| 26 32 29 00-0027 | EA | 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion | 56,857.79 | 10,222.52 |
| 26 32 29 00-0028 | EA | 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion | 68,816.25 | 10,222.52 |
| **26 32 29 00-0029** | | **4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC** *(26 32 29)* | | |
| 26 32 29 00-0030 | EA | 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion | 101,067.91 | 13,630.02 |
| 26 32 29 00-0031 | EA | 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion | 110,107.42 | 13,630.02 |
| 26 32 29 00-0032 | EA | 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion | 132,492.76 | 17,719.03 |
| 26 32 29 00-0033 | EA | 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion | 150,574.15 | 21,535.43 |
| 26 32 29 00-0034 | EA | 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion | 178,485.26 | 21,535.43 |
| 26 32 29 00-0035 | EA | 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion | 253,279.72 | 32,166.85 |
| 26 32 29 00-0036 | EA | 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion | 261,850.58 | 32,166.85 |
| 26 32 29 00-0037 | EA | 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion | 301,660.21 | 37,482.56 |

# 26 33 Battery Equipment *(26 30)*

## 26 33 13 Batteries *(26 33)*

**26 33 13 00-0001 Standby Batteries** *(26 33 13)*

| | | | | |
|---|---|---|---|---|
| 26 33 13 00-0002 | EA | 12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery | 1,240.24 | 31.57 |
| 26 33 13 00-0003 | EA | 12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket | 1,339.99 | 31.57 |
| 26 33 13 00-0004 | EA | 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery | 398.91 | 31.57 |
| 26 33 13 00-0005 | EA | 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery | 361.98 | 31.57 |
| 26 33 13 00-0006 | EA | 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery | 625.30 | 31.57 |
| 26 33 13 00-0007 | EA | 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery | 727.34 | 31.57 |

## 26 33 43 Battery Chargers *(26 33)*

**26 33 43 00-0001 Solid State Chargers, Single Phase** *(26 33 43)*

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

| | | | | |
|---|---|---|---|---|
| 26 33 43 00-0002 | EA | Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt | 3,501.65 | 719.87 |
| 26 33 43 00-0003 | EA | Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt | 4,092.11 | 719.87 |
| 26 33 43 00-0004 | EA | Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt | 4,505.53 | 719.87 |
| 26 33 43 00-0005 | EA | Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt | 4,764.88 | 852.33 |

## 26 33 53 Static Uninterruptible Power Supply *(26 33)*

**26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS)** *(26 33 53)*

**26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS)** *(26 33 53 00-0001)*

**26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

| | | | | |
|---|---|---|---|---|
| 26 33 53 00-0004 | EA | 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120)<br>Note: Includes 12 minutes of battery backup at full load. | 1,192.92 | 124.81 |
| 26 33 53 00-0005 | EA | 0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120)<br>Note: Includes 6 minutes of battery backup at full load. | 1,424.81 | 145.61 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 33 53 00-0006 | EA | 1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120)<br>Note: Includes 5 minutes of battery backup at full load. | 1,755.64 | 166.41 |
| 26 33 53 00-0007 | EA | 1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120)<br>Note: Includes 5 minutes of battery backup at full load. | 2,143.99 | 187.21 |
| 26 33 53 00-0008 | EA | 2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120)<br>Note: Includes 4 minutes of battery backup at full load. | 2,749.78 | 208.01 |
| 26 33 53 00-0009 | EA | 3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120)<br>Note: Includes 4 minutes of battery backup at full load. | 4,425.02 | 249.61 |
| **26 33 53 00-0010** | | **208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** *(26 33 53 00-0002)*<br>Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics. | | |
| 26 33 53 00-0011 | EA | 3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208)<br>Note: Includes 4 minutes of battery backup at full load. | 4,343.75 | 249.61 |
| **26 33 53 00-0012** | | **120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** *(26 33 53 00-0002)*<br>Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics. | | |
| 26 33 53 00-0013 | EA | 5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208)<br>Note: Includes 5 minutes of battery backup at full load. | 6,698.43 | 332.82 |
| 26 33 53 00-0014 | EA | 6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208)<br>Note: Includes 4 minutes of battery backup at full load. | 7,325.70 | 374.42 |
| 26 33 53 00-0015 | EA | 8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208)<br>Note: Includes 7 minutes of battery backup at full load. | 10,949.65 | 457.62 |
| 26 33 53 00-0016 | EA | 10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208)<br>Note: Includes 4-1/2 minutes of battery backup at full load. | 12,585.61 | 499.23 |
| **26 33 53 00-0017** | | **230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** *(26 33 53 00-0002)*<br>Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics. | | |
| 26 33 53 00-0018 | EA | 0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230)<br>Note: Includes 11 minutes of battery backup at full load. | 1,424.81 | 145.61 |
| 26 33 53 00-0019 | EA | 1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230)<br>Note: Includes 6 minutes of battery backup at full load. | 1,755.64 | 166.41 |
| 26 33 53 00-0020 | EA | 1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230)<br>Note: Includes 4 minutes of battery backup at full load. | 2,168.00 | 187.21 |
| 26 33 53 00-0021 | EA | 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230)<br>Note: Includes 4 minutes of battery backup at full load. | 2,755.57 | 208.01 |
| 26 33 53 00-0022 | EA | 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230)<br>Note: Includes 4 minutes of battery backup at full load. | 4,443.06 | 249.61 |
| 26 33 53 00-0023 | EA | 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230)<br>Note: Includes 9 minutes of battery backup at full load. | 6,427.02 | 332.82 |
| 26 33 53 00-0024 | EA | 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230)<br>Note: Includes 6 minutes of battery backup at full load. | 7,889.98 | 374.42 |
| 26 33 53 00-0025 | EA | 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230)<br>Note: Includes 3 minutes of battery backup at full load. | 12,197.62 | 499.23 |
| **26 33 53 00-0026** | | **Optional Accessories For Single Phase, Uninterruptible Power Supply Systems** *(26 33 53 00-0001)* | | |
| 26 33 53 00-0027 | EA | External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT)<br>Note: Rack mount or tower configuration. | 788.79 | 37.82 |
| 26 33 53 00-0028 | EA | External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT)<br>Note: Rack mount or tower configuration. | 1,032.92 | 37.82 |
| 26 33 53 00-0029 | EA | External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT)<br>Note: Rack mount or tower configuration. | 1,005.75 | 37.82 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 33 53 00-0030 | EA | External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT)<br>Note: Rack mount or tower configuration. | 683.61 | 37.82 |
| 26 33 53 00-0031 | EA | Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT) | 1,014.35 | 124.81 |
| 26 33 53 00-0032 | EA | Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT) | 1,140.42 | 166.41 |
| **26 33 53 00-0033** | | **Three Phase, Uninterruptible Power Supply Systems (UPS)** *(26 33 53)* | | |
| **26 33 53 00-0034** | | **208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery** *(26 33 53 00-0033)*<br>Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics. | | |
| 26 33 53 00-0035 | EA | 10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) | 43,097.04 | 499.23 |
| 26 33 53 00-0036 | EA | 15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) | 47,719.56 | 665.63 |
| 26 33 53 00-0037 | EA | 20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) | 53,346.52 | 832.05 |
| 26 33 53 00-0038 | EA | 30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) | 57,868.59 | 998.45 |
| 26 33 53 00-0039 | EA | 40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) | 69,622.70 | 1,164.87 |
| **26 33 53 00-0040** | | **208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery** *(26 33 53 00-0033)*<br>Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries. | | |
| 26 33 53 00-0041 | EA | 60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 94,466.42 | 1,985.56 |
| 26 33 53 00-0042 | EA | 80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 102,754.39 | 2,458.31 |
| 26 33 53 00-0043 | EA | 100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 113,657.79 | 2,868.04 |
| 26 33 53 00-0044 | EA | 120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 140,303.38 | 3,246.24 |
| 26 33 53 00-0045 | EA | 140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 145,682.30 | 3,624.44 |
| 26 33 53 00-0046 | EA | 160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 151,433.28 | 4,002.64 |
| 26 33 53 00-0047 | EA | 180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 158,389.61 | 4,380.84 |
| 26 33 53 00-0048 | EA | 200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 165,345.94 | 4,759.04 |
| **26 33 53 00-0049** | | **480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery** *(26 33 53 00-0033)*<br>Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries. | | |
| 26 33 53 00-0050 | EA | 50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 88,179.64 | 1,638.87 |
| 26 33 53 00-0051 | EA | 100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 114,260.46 | 2,880.64 |
| 26 33 53 00-0052 | EA | 150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 156,132.42 | 3,328.18 |
| 26 33 53 00-0053 | EA | 200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 183,882.91 | 3,655.96 |
| 26 33 53 00-0054 | EA | 250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS) | 215,048.53 | 4,034.15 |
| **26 33 53 00-0055** | | **Optional Accessories For Three Phase, Uninterruptible Power Supply Systems** *(26 33 53 00-0033)* | | |
| 26 33 53 00-0056 | EA | Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems | 704.29 | 63.03 |
| 26 33 53 00-0057 | EA | Network Interface Card For Three Phase Uninterruptible Power Supply Systems | 1,132.63 | 63.03 |
| 26 33 53 00-0058 | EA | Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems | 2,177.47 | 126.07 |
| 26 33 53 00-0059 | EA | Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems | 6,782.09 | 504.27 |
| 26 33 53 00-0060 | EA | 12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR) | 655.57 | 63.03 |
| 26 33 53 00-0061 | EA | 12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200) | 357.55 | 63.03 |
| 26 33 53 00-0062 | EA | 12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250) | 401.04 | 63.03 |
| 26 33 53 00-0063 | EA | 12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300) | 444.53 | 63.03 |
| 26 33 53 00-0064 | EA | 12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350) | 522.80 | 63.03 |
| 26 33 53 00-0065 | EA | 12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400) | 548.90 | 63.03 |
| 26 33 53 00-0066 | EA | 12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500) | 683.71 | 63.03 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 33 53 00-0067 | EA | 12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540) | 716.33 | 63.03 |
| 26 33 53 00-0068 | | Other Uninterruptable Power Supply Equipment *(26 33 53)* | | |
| 26 33 53 00-0069 | EA | Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In | 6,422.27 | 115.18 |
| 26 33 53 00-0070 | EA | Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In | 7,720.19 | 230.36 |
| 26 33 53 00-0071 | EA | 1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel | 33.04 | 6.91 |
| 26 33 53 00-0072 | EA | 2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel | 59.98 | 8.64 |
| 26 33 53 00-0073 | EA | 2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel | 113.36 | 8.64 |
| 26 33 53 00-0074 | EA | 3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel | 166.09 | 11.52 |
| 26 33 53 00-0075 | EA | 3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel | 236.55 | 11.52 |
| 26 33 53 00-0076 | EA | Uninterrupted Power Supply Remote Status Panel | 4,393.88 | 115.18 |
| 26 33 53 00-0077 | EA | Uninterrupted Power Supply Remote Contact Board | 1,453.83 | 86.38 |

## 26 35 Power Filters and Conditioners *(26 30)*

### 26 35 33 Power Factor Correction Equipment *(26 35)*

#### 26 35 33 16 Low-Voltage Power Factor Correction Equipment *(26 35 33)*

| | | | | |
|---|---|---|---|---|
| 26 35 33 16-0001 | | Power Factor Correction Capacitors *(26 35 33 16)* | | |
| 26 35 33 16-0002 | EA | Power Factor Correction Capacitors, 2.0 KVAC | 995.94 | |
| 26 35 33 16-0003 | EA | Power Factor Correction Capacitors, 3.0 KVAC | 1,103.03 | |
| 26 35 33 16-0004 | EA | Power Factor Correction Capacitors, 4.0 KVAC | 1,210.12 | |
| 26 35 33 16-0005 | EA | Power Factor Correction Capacitors, 5.0 KVAC | 1,312.93 | |
| 26 35 33 16-0006 | EA | Power Factor Correction Capacitors, 7.5 KVAC | 1,612.78 | |
| 26 35 33 16-0007 | EA | Power Factor Correction Capacitors, 10.0 KVAC | 1,970.46 | |
| 26 35 33 16-0008 | EA | Power Factor Correction Capacitors, 15.0 KVAC | 3,043.51 | |
| 26 35 33 16-0009 | EA | Power Factor Correction Capacitors, 20.0 KVAC | 3,696.76 | |
| 26 35 33 16-0010 | EA | Power Factor Correction Capacitors, 25.0 KVAC | 4,776.23 | |
| 26 35 33 16-0011 | EA | Power Factor Correction Capacitors, 30.0 KVAC | 5,431.63 | |
| 26 35 33 16-0012 | EA | Power Factor Correction Capacitors, 50.0 KVAC | 9,531.05 | |
| 26 35 33 16-0013 | EA | Power Factor Correction Capacitors, 75.0 KVAC | 14,330.84 | |
| 26 35 33 16-0014 | EA | Power Factor Correction Capacitors, 100.0 KVAC | 19,109.22 | |
| 26 35 33 16-0015 | EA | Power Factor Correction Capacitors, Fuse Kit | 886.71 | |

### 26 35 43 Static-Frequency Converters *(26 35)*

| | | | | |
|---|---|---|---|---|
| 26 35 43 00-0001 | | Rotary Phase Converter With NEMA 1 Indoor Enclosure *(26 35 43)* | | |
| 26 35 43 00-0002 | EA | 750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure | 738.44 | 126.07 |
| 26 35 43 00-0003 | EA | 2 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 1,287.22 | 151.28 |
| 26 35 43 00-0004 | EA | 3 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 1,475.65 | 201.71 |
| 26 35 43 00-0005 | EA | 5 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 2,026.58 | 252.14 |
| 26 35 43 00-0006 | EA | 7 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 2,791.90 | 327.78 |
| 26 35 43 00-0007 | EA | 11 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 3,608.39 | 403.42 |
| 26 35 43 00-0008 | EA | 15 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 4,527.23 | 479.06 |
| 26 35 43 00-0009 | EA | 21 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 5,523.17 | 542.09 |
| 26 35 43 00-0010 | EA | 29 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 6,415.31 | 655.55 |
| 26 35 43 00-0011 | EA | 36 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 7,346.75 | 737.50 |
| 26 35 43 00-0012 | EA | 44 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 8,278.18 | 819.44 |
| 26 35 43 00-0013 | EA | 55 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 10,281.59 | 989.63 |
| 26 35 43 00-0014 | EA | 74 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 13,371.43 | 1,191.34 |
| 26 35 43 00-0015 | EA | 87 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 16,958.50 | 1,449.77 |
| 26 35 43 00-0016 | EA | 110 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 19,394.63 | 1,695.60 |
| 26 35 43 00-0017 | EA | 125 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 25,004.80 | 1,891.01 |
| 26 35 43 00-0018 | EA | 165 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 38,301.58 | 2,143.14 |
| 26 35 43 00-0019 | EA | 220 KW Output Rotary Phase Converter With NEMA 1 Enclosure | 57,227.06 | 2,395.28 |

### 26 35 53 Voltage Regulators *(26 35)*

| | | | | |
|---|---|---|---|---|
| 26 35 53 00-0001 | | Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)*<br>Note: For diesel motor generator sets mounted in switchgear cabinet. | | |
| 26 35 53 00-0002 | EA | 50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear | 7,489.00 | 2,004.47 |
| 26 35 53 00-0003 | EA | 75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear | 8,532.10 | 2,521.35 |
| 26 35 53 00-0004 | EA | 100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear | 9,492.61 | 3,000.41 |

## 26 36 Transfer Switches *(26 30)*

### 26 36 13 Manual Transfer Switches *(26 36)*

| | | | | |
|---|---|---|---|---|
| 26 36 13 00-0001 | | Fused Manual Transfer Switches *(26 36 13)* | | |
| 26 36 13 00-0002 | EA | 30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt | 1,421.72 | 220.62 |
| 26 36 13 00-0003 | EA | 60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt | 1,656.28 | 274.07 |
| 26 36 13 00-0004 | | Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 13)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 36 13 00-0005 | EA | 40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40) | 3,964.58 | 323.91 |
| | | *For NEMA 3R Enclosure, Add* | *1,305.22* | |
| | | *For NEMA 12 Enclosure, Add* | *1,228.43* | |
| 26 36 13 00-0006 | EA | 70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70) | 4,381.32 | 388.70 |
| | | *For NEMA 3R Enclosure, Add* | *1,305.22* | |
| | | *For NEMA 12 Enclosure, Add* | *1,228.43* | |
| 26 36 13 00-0007 | EA | 125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125) | 4,968.40 | 453.48 |
| | | *For NEMA 3R Enclosure, Add* | *1,305.22* | |
| | | *For NEMA 12 Enclosure, Add* | *1,228.43* | |
| 26 36 13 00-0008 | EA | 150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150) | 6,185.78 | 518.26 |
| | | *For NEMA 3R Enclosure, Add* | *1,535.55* | |
| | | *For NEMA 12 Enclosure, Add* | *1,228.43* | |
| 26 36 13 00-0009 | EA | 225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225) | 7,678.50 | 583.04 |
| | | *For NEMA 3R Enclosure, Add* | *1,535.55* | |
| | | *For NEMA 12 Enclosure, Add* | *1,228.43* | |
| 26 36 13 00-0010 | EA | 260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260) | 8,635.83 | 647.83 |
| | | *For NEMA 3R Enclosure, Add* | *1,535.55* | |
| | | *For NEMA 12 Enclosure, Add* | *1,228.43* | |
| 26 36 13 00-0011 | EA | 300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300) | 9,608.67 | 712.60 |
| | | *For NEMA 3R Enclosure, Add* | *1,811.94* | |
| | | *For NEMA 12 Enclosure, Add* | *1,535.55* | |
| 26 36 13 00-0012 | EA | 400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400) | 11,303.69 | 777.39 |
| | | *For NEMA 3R Enclosure, Add* | *1,811.94* | |
| | | *For NEMA 12 Enclosure, Add* | *1,535.55* | |
| 26 36 13 00-0013 | EA | 600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600) | 14,971.11 | 971.74 |
| | | *For NEMA 3R Enclosure, Add* | *1,811.94* | |
| | | *For NEMA 12 Enclosure, Add* | *1,535.55* | |
| 26 36 13 00-0014 | EA | 800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800) | 16,815.45 | 1,166.09 |
| | | *For NEMA 3R Enclosure, Add* | *2,226.53* | |
| | | *For NEMA 12 Enclosure, Add* | *2,149.77* | |
| 26 36 13 00-0015 | EA | 1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000) | 22,370.62 | 1,635.60 |
| | | *For NEMA 3R Enclosure, Add* | *2,226.53* | |
| | | *For NEMA 12 Enclosure, Add* | *2,149.77* | |

## 26 36 23 Automatic Transfer Switches *(26 36)*

### 26 36 23 00-0001 Automatic Transfer Switch *(26 36 23)*

### 26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

Note: Programmable, 120/240 volt single phase, 3 wire.

| | | | | |
|---|---|---|---|---|
| 26 36 23 00-0003 | EA | 100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire | 3,520.42 | 453.48 |
| | | *For Level 2 Controller, Add* | *202.54* | |
| | | *For Level 3 Controller, Add* | *418.16* | |
| | | *For Level 4 Controller, Add* | *607.63* | |
| 26 36 23 00-0004 | EA | 225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire | 4,802.23 | 583.04 |
| | | *For Level 2 Controller, Add* | *281.80* | |
| | | *For Level 3 Controller, Add* | *581.78* | |
| | | *For Level 4 Controller, Add* | *845.40* | |
| 26 36 23 00-0005 | EA | 400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire | 7,690.78 | 777.39 |
| | | *For Level 2 Controller, Add* | *475.54* | |
| | | *For Level 3 Controller, Add* | *981.76* | |
| | | *For Level 4 Controller, Add* | *1,426.62* | |
| 26 36 23 00-0006 | EA | 600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire | 12,620.15 | 971.74 |
| | | *For Level 2 Controller, Add* | *827.44* | |
| | | *For Level 3 Controller, Add* | *1,708.27* | |
| | | *For Level 4 Controller, Add* | *2,482.33* | |

### 26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 36 23 00-0008 | EA | 40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40) | 5,972.08 | 323.91 |
| | | *For Level 2 Controller, Add* | *412.63* | |
| | | *For Level 3 Controller, Add* | *851.88* | |
| | | *For Level 4 Controller, Add* | *1,237.89* | |
| | | *For NEMA 3R Enclosure, Add* | *1,305.22* | |
| | | *For NEMA 4 Enclosure, Add* | *1,381.99* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |
| 26 36 23 00-0009 | EA | 70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70) | 6,888.57 | 388.70 |
| | | *For Level 2 Controller, Add* | *473.62* | |
| | | *For Level 3 Controller, Add* | *977.79* | |
| | | *For Level 4 Controller, Add* | *1,420.85* | |
| | | *For NEMA 3R Enclosure, Add* | *1,305.22* | |
| | | *For NEMA 4 Enclosure, Add* | *1,381.99* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |
| 26 36 23 00-0010 | EA | 100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100) | 7,225.06 | 421.09 |
| | | *For Level 2 Controller, Add* | *494.67* | |
| | | *For Level 3 Controller, Add* | *1,021.26* | |
| | | *For Level 4 Controller, Add* | *1,484.02* | |
| | | *For NEMA 3R Enclosure, Add* | *1,305.22* | |
| | | *For NEMA 4 Enclosure, Add* | *1,381.99* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 36 23 00-0011 | EA | 125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125) | 7,561.53 | 453.48 |
| | | *For Level 2 Controller, Add* | *515.73* | |
| | | *For Level 3 Controller, Add* | *1,064.73* | |
| | | *For Level 4 Controller, Add* | *1,547.19* | |
| | | *For NEMA 3R Enclosure, Add* | *1,305.22* | |
| | | *For NEMA 4 Enclosure, Add* | *1,381.99* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |
| 26 36 23 00-0012 | EA | 150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150) | 9,004.57 | 518.26 |
| | | *For Level 2 Controller, Add* | *617.52* | |
| | | *For Level 3 Controller, Add* | *1,274.89* | |
| | | *For Level 4 Controller, Add* | *1,852.57* | |
| | | *For NEMA 3R Enclosure, Add* | *1,535.55* | |
| | | *For NEMA 4 Enclosure, Add* | *1,996.21* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |
| 26 36 23 00-0013 | EA | 225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225) | 10,285.72 | 583.04 |
| | | *For Level 2 Controller, Add* | *706.77* | |
| | | *For Level 3 Controller, Add* | *1,459.14* | |
| | | *For Level 4 Controller, Add* | *2,120.31* | |
| | | *For NEMA 3R Enclosure, Add* | *1,535.55* | |
| | | *For NEMA 4 Enclosure, Add* | *1,996.21* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |
| 26 36 23 00-0014 | EA | 260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260) | 11,348.63 | 647.83 |
| | | *For Level 2 Controller, Add* | *779.11* | |
| | | *For Level 3 Controller, Add* | *1,608.48* | |
| | | *For Level 4 Controller, Add* | *2,337.32* | |
| | | *For NEMA 3R Enclosure, Add* | *1,535.55* | |
| | | *For NEMA 4 Enclosure, Add* | *1,996.21* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |
| 26 36 23 00-0015 | EA | 300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300) | 11,842.82 | 712.60 |
| | | *For Level 2 Controller, Add* | *807.36* | |
| | | *For Level 3 Controller, Add* | *1,666.82* | |
| | | *For Level 4 Controller, Add* | *2,422.09* | |
| | | *For NEMA 3R Enclosure, Add* | *1,811.94* | |
| | | *For NEMA 4 Enclosure, Add* | *2,149.77* | |
| | | *For NEMA 12 Enclosure, Add* | *1,535.55* | |
| 26 36 23 00-0016 | EA | 400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400) | 13,405.50 | 777.39 |
| | | *For Level 2 Controller, Add* | *918.43* | |
| | | *For Level 3 Controller, Add* | *1,896.12* | |
| | | *For Level 4 Controller, Add* | *2,755.29* | |
| | | *For NEMA 3R Enclosure, Add* | *1,811.94* | |
| | | *For NEMA 4 Enclosure, Add* | *2,149.77* | |
| | | *For NEMA 12 Enclosure, Add* | *1,535.55* | |
| 26 36 23 00-0017 | EA | 600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600) | 18,411.74 | 971.74 |
| | | *For Level 2 Controller, Add* | *1,276.29* | |
| | | *For Level 3 Controller, Add* | *2,634.92* | |
| | | *For Level 4 Controller, Add* | *3,828.87* | |
| | | *For NEMA 3R Enclosure, Add* | *1,811.94* | |
| | | *For NEMA 4 Enclosure, Add* | *2,149.77* | |
| | | *For NEMA 12 Enclosure, Add* | *1,535.55* | |
| 26 36 23 00-0018 | EA | 800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800) | 20,615.06 | 1,166.09 |
| | | *For Level 2 Controller, Add* | *1,416.92* | |
| | | *For Level 3 Controller, Add* | *2,925.26* | |
| | | *For Level 4 Controller, Add* | *4,250.77* | |
| | | *For NEMA 3R Enclosure, Add* | *2,226.53* | |
| | | *For NEMA 4 Enclosure, Add* | *2,456.89* | |
| | | *For NEMA 12 Enclosure, Add* | *2,149.77* | |
| 26 36 23 00-0019 | EA | 1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000) | 26,812.16 | 1,635.60 |
| | | *For Level 2 Controller, Add* | *1,824.42* | |
| | | *For Level 3 Controller, Add* | *3,766.55* | |
| | | *For Level 4 Controller, Add* | *5,473.27* | |
| | | *For NEMA 3R Enclosure, Add* | *2,226.53* | |
| | | *For NEMA 4 Enclosure, Add* | *2,456.89* | |
| | | *For NEMA 12 Enclosure, Add* | *2,149.77* | |
| 26 36 23 00-0020 | EA | 1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200) | 34,956.90 | 1,771.91 |
| | | *For Level 2 Controller, Add* | *2,434.52* | |
| | | *For Level 3 Controller, Add* | *5,026.10* | |
| | | *For Level 4 Controller, Add* | *7,303.55* | |
| | | *For NEMA 3R Enclosure, Add* | *4,913.75* | |
| | | *For NEMA 4 Enclosure, Add* | *2,763.98* | |
| | | *For NEMA 12 Enclosure, Add* | *2,303.33* | |
| 26 36 23 00-0021 | EA | 1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600) | 37,198.52 | 2,044.50 |
| | | *For Level 2 Controller, Add* | *2,565.99* | |
| | | *For Level 3 Controller, Add* | *5,297.52* | |
| | | *For Level 4 Controller, Add* | *7,697.96* | |
| | | *For NEMA 3R Enclosure, Add* | *7,984.83* | |
| | | *For NEMA 4 Enclosure, Add* | *9,827.47* | |
| | | *For NEMA 12 Enclosure, Add* | *7,984.83* | |
| 26 36 23 00-0022 | EA | 2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000) | 42,541.18 | 2,317.10 |
| | | *For Level 2 Controller, Add* | *2,937.79* | |
| | | *For Level 3 Controller, Add* | *6,065.12* | |
| | | *For Level 4 Controller, Add* | *8,813.37* | |
| | | *For NEMA 3R Enclosure, Add* | *7,984.83* | |
| | | *For NEMA 4 Enclosure, Add* | *9,827.47* | |
| | | *For NEMA 12 Enclosure, Add* | *7,984.83* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 36 23 00-0023 | EA | 3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000) | 51,350.05 | 2,862.30 |
| | | *For Level 2 Controller, Add* | *3,535.97* | |
| | | *For Level 3 Controller, Add* | *7,300.07* | |
| | | *For Level 4 Controller, Add* | *10,607.91* | |
| | | *For NEMA 3R Enclosure, Add* | *7,984.83* | |
| 26 36 23 00-0024 | EA | 4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000) | 89,835.36 | 3,407.51 |
| | | *For Level 2 Controller, Add* | *6,434.08* | |
| | | *For Level 3 Controller, Add* | *13,283.26* | |
| | | *For Level 4 Controller, Add* | *19,302.23* | |
| | | *For NEMA 3R Enclosure, Add* | *14,802.63* | |
| **26 36 23 00-0025** | | **Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure** *(26 36 23 00-0001)* | | |
| 26 36 23 00-0026 | EA | 150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150) | 29,328.57 | 2,461.73 |
| | | *For NEMA 3R Enclosure, Add* | *2,687.21* | |
| | | *For NEMA 4 Enclosure, Add* | *2,763.98* | |
| | | *For NEMA 12 Enclosure, Add* | *1,458.78* | |
| | | *For Level 2 Controller, Add* | *1,891.39* | |
| | | *For Level 3 Controller, Add* | *3,904.81* | |
| | | *For Level 4 Controller, Add* | *5,674.18* | |
| 26 36 23 00-0027 | EA | 225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225) | 30,604.39 | 2,591.31 |
| | | *For NEMA 3R Enclosure, Add* | *2,687.21* | |
| | | *For NEMA 4 Enclosure, Add* | *2,763.98* | |
| | | *For NEMA 12 Enclosure, Add* | *1,458.78* | |
| | | *For Level 2 Controller, Add* | *1,970.19* | |
| | | *For Level 3 Controller, Add* | *4,067.48* | |
| | | *For Level 4 Controller, Add* | *5,910.56* | |
| 26 36 23 00-0028 | EA | 260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260) | 32,079.93 | 2,720.87 |
| | | *For NEMA 3R Enclosure, Add* | *2,687.21* | |
| | | *For NEMA 4 Enclosure, Add* | *2,763.98* | |
| | | *For NEMA 12 Enclosure, Add* | *1,458.78* | |
| | | *For Level 2 Controller, Add* | *2,064.46* | |
| | | *For Level 3 Controller, Add* | *4,262.11* | |
| | | *For Level 4 Controller, Add* | *6,193.38* | |
| 26 36 23 00-0029 | EA | 300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300) | 35,938.38 | 2,785.65 |
| | | *For NEMA 3R Enclosure, Add* | *2,687.21* | |
| | | *For NEMA 4 Enclosure, Add* | *2,763.98* | |
| | | *For NEMA 12 Enclosure, Add* | *1,458.78* | |
| | | *For Level 2 Controller, Add* | *2,353.45* | |
| | | *For Level 3 Controller, Add* | *4,858.73* | |
| | | *For Level 4 Controller, Add* | *7,060.34* | |
| 26 36 23 00-0030 | EA | 400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400) | 41,672.49 | 2,850.43 |
| | | *For NEMA 3R Enclosure, Add* | *2,687.21* | |
| | | *For NEMA 4 Enclosure, Add* | *2,763.98* | |
| | | *For NEMA 12 Enclosure, Add* | *1,458.78* | |
| | | *For Level 2 Controller, Add* | *2,787.80* | |
| | | *For Level 3 Controller, Add* | *5,755.46* | |
| | | *For Level 4 Controller, Add* | *8,363.40* | |
| 26 36 23 00-0031 | EA | 600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600) | 50,272.38 | 2,980.00 |
| | | *For NEMA 3R Enclosure, Add* | *2,687.21* | |
| | | *For NEMA 4 Enclosure, Add* | *2,763.98* | |
| | | *For NEMA 12 Enclosure, Add* | *1,535.55* | |
| | | *For Level 2 Controller, Add* | *3,434.21* | |
| | | *For Level 3 Controller, Add* | *7,089.98* | |
| | | *For Level 4 Controller, Add* | *10,302.63* | |
| 26 36 23 00-0032 | EA | 800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800) | 55,514.35 | 3,109.56 |
| | | *For NEMA 3R Enclosure, Add* | *2,763.98* | |
| | | *For NEMA 4 Enclosure, Add* | *2,763.98* | |
| | | *For NEMA 12 Enclosure, Add* | *1,689.11* | |
| | | *For Level 2 Controller, Add* | *3,820.38* | |
| | | *For Level 3 Controller, Add* | *7,887.24* | |
| | | *For Level 4 Controller, Add* | *11,461.14* | |
| 26 36 23 00-0033 | EA | 1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000) | 69,903.01 | 3,627.82 |
| | | *For NEMA 3R Enclosure, Add* | *2,763.98* | |
| | | *For NEMA 4 Enclosure, Add* | *2,763.98* | |
| | | *For NEMA 12 Enclosure, Add* | *1,689.11* | |
| | | *For Level 2 Controller, Add* | *4,855.17* | |
| | | *For Level 3 Controller, Add* | *10,023.58* | |
| | | *For Level 4 Controller, Add* | *14,565.51* | |
| 26 36 23 00-0034 | EA | 1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200) | 92,046.04 | 4,089.01 |
| | | *For NEMA 3R Enclosure, Add* | *12,284.33* | |
| | | *For NEMA 4 Enclosure, Add* | *15,355.41* | |
| | | *For NEMA 12 Enclosure, Add* | *12,284.33* | |
| | | *For Level 2 Controller, Add* | *6,499.77* | |
| | | *For Level 3 Controller, Add* | *13,418.88* | |
| | | *For Level 4 Controller, Add* | *19,499.32* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 36 23 00-0035 | EA | 1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600) | 120,596.14 | 4,361.60 |
| | | *For NEMA 3R Enclosure, Add* | *26,104.20* | |
| | | *For NEMA 4 Enclosure, Add* | *26,104.20* | |
| | | *For NEMA 12 Enclosure, Add* | *24,322.98* | |
| | | *For Level 2 Controller, Add* | *8,670.15* | |
| | | *For Level 3 Controller, Add* | *17,899.67* | |
| | | *For Level 4 Controller, Add* | *26,010.45* | |
| 26 36 23 00-0036 | EA | 2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000) | 137,027.61 | 4,770.50 |
| | | *For NEMA 3R Enclosure, Add* | *26,104.20* | |
| | | *For NEMA 4 Enclosure, Add* | *26,104.20* | |
| | | *For NEMA 12 Enclosure, Add* | *24,322.98* | |
| | | *For Level 2 Controller, Add* | *9,880.21* | |
| | | *For Level 3 Controller, Add* | *20,397.85* | |
| | | *For Level 4 Controller, Add* | *29,640.63* | |
| 26 36 23 00-0037 | EA | 3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000) | 220,293.22 | 5,452.01 |
| | | *For NEMA 3R Enclosure, Add* | *32,246.35* | |
| | | *For Level 2 Controller, Add* | *16,227.66* | |
| | | *For Level 3 Controller, Add* | *33,502.27* | |
| | | *For Level 4 Controller, Add* | *48,682.99* | |
| 26 36 23 00-0038 | EA | 4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000) | 237,652.99 | 6,133.51 |
| | | *For NEMA 3R Enclosure, Add* | *32,246.35* | |
| | | *For Level 2 Controller, Add* | *17,467.41* | |
| | | *For Level 3 Controller, Add* | *36,061.76* | |
| | | *For Level 4 Controller, Add* | *52,402.24* | |

## 26 36 23 00-0039 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 36 23 00-0040 | EA | 40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40) | 9,846.29 | 323.91 |
| | | *For Level 2 Controller, Add* | *712.88* | |
| | | *For Level 3 Controller, Add* | *1,471.75* | |
| | | *For Level 4 Controller, Add* | *2,138.64* | |
| | | *For NEMA 3R Enclosure, Add* | *767.78* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |
| 26 36 23 00-0041 | EA | 70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70) | 10,629.07 | 388.70 |
| | | *For Level 2 Controller, Add* | *763.51* | |
| | | *For Level 3 Controller, Add* | *1,576.27* | |
| | | *For Level 4 Controller, Add* | *2,290.52* | |
| | | *For NEMA 3R Enclosure, Add* | *767.78* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |
| 26 36 23 00-0042 | EA | 100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100) | 11,019.76 | 421.09 |
| | | *For Level 2 Controller, Add* | *788.76* | |
| | | *For Level 3 Controller, Add* | *1,628.41* | |
| | | *For Level 4 Controller, Add* | *2,366.29* | |
| | | *For NEMA 3R Enclosure, Add* | *767.78* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |
| 26 36 23 00-0043 | EA | 125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125) | 11,410.43 | 453.48 |
| | | *For Level 2 Controller, Add* | *814.02* | |
| | | *For Level 3 Controller, Add* | *1,680.56* | |
| | | *For Level 4 Controller, Add* | *2,442.06* | |
| | | *For NEMA 3R Enclosure, Add* | *767.78* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |
| 26 36 23 00-0044 | EA | 150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150) | 13,716.42 | 518.26 |
| | | *For Level 2 Controller, Add* | *982.69* | |
| | | *For Level 3 Controller, Add* | *2,028.78* | |
| | | *For Level 4 Controller, Add* | *2,948.08* | |
| | | *For Four Pole Circuit Breaker, Add* | *3,838.85* | |
| | | *For NEMA 3R Enclosure, Add* | *767.78* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |
| 26 36 23 00-0045 | EA | 225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225) | 17,906.04 | 583.04 |
| | | *For Level 2 Controller, Add* | *1,297.35* | |
| | | *For Level 3 Controller, Add* | *2,678.39* | |
| | | *For Level 4 Controller, Add* | *3,892.04* | |
| | | *For Four Pole Circuit Breaker, Add* | *3,838.85* | |
| | | *For NEMA 3R Enclosure, Add* | *767.78* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |
| 26 36 23 00-0046 | EA | 250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250) | 19,050.61 | 647.83 |
| | | *For Level 2 Controller, Add* | *1,376.01* | |
| | | *For Level 3 Controller, Add* | *2,840.79* | |
| | | *For Level 4 Controller, Add* | *4,128.03* | |
| | | *For Four Pole Circuit Breaker, Add* | *3,838.85* | |
| | | *For NEMA 3R Enclosure, Add* | *767.78* | |
| | | *For NEMA 12 Enclosure, Add* | *1,381.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 36 23 00-0047 | EA | 300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300) | 19,792.58 | 712.60 |
| | | *For Level 2 Controller, Add* | *1,423.47* | |
| | | *For Level 3 Controller, Add* | *2,938.78* | |
| | | *For Level 4 Controller, Add* | *4,270.41* | |
| | | *For Four Pole Circuit Breaker, Add* | *5,220.84* | |
| | | *For NEMA 3R Enclosure, Add* | *1,996.21* | |
| | | *For NEMA 12 Enclosure, Add* | *1,535.55* | |
| 26 36 23 00-0048 | EA | 400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400) | 22,412.50 | 777.39 |
| | | *For Level 2 Controller, Add* | *1,616.47* | |
| | | *For Level 3 Controller, Add* | *3,337.24* | |
| | | *For Level 4 Controller, Add* | *4,849.42* | |
| | | *For Four Pole Circuit Breaker, Add* | *5,220.84* | |
| | | *For NEMA 3R Enclosure, Add* | *1,996.21* | |
| | | *For NEMA 12 Enclosure, Add* | *1,535.55* | |
| 26 36 23 00-0049 | EA | 600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600) | 27,180.82 | 971.74 |
| | | *For Level 2 Controller, Add* | *1,955.89* | |
| | | *For Level 3 Controller, Add* | *4,037.97* | |
| | | *For Level 4 Controller, Add* | *5,867.68* | |
| | | *For Four Pole Circuit Breaker, Add* | *5,220.84* | |
| | | *For NEMA 3R Enclosure, Add* | *1,996.21* | |
| | | *For NEMA 12 Enclosure, Add* | *1,535.55* | |
| 26 36 23 00-0050 | EA | 800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800) | 28,239.61 | 1,166.09 |
| | | *For Level 2 Controller, Add* | *2,007.83* | |
| | | *For Level 3 Controller, Add* | *4,145.19* | |
| | | *For Level 4 Controller, Add* | *6,023.48* | |
| | | *For Four Pole Circuit Breaker, Add* | *7,447.38* | |
| | | *For NEMA 3R Enclosure, Add* | *3,439.63* | |
| | | *For NEMA 12 Enclosure, Add* | *2,149.77* | |
| 26 36 23 00-0051 | EA | 1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000) | 33,400.59 | 1,635.60 |
| | | *For Level 2 Controller, Add* | *2,335.03* | |
| | | *For Level 3 Controller, Add* | *4,820.70* | |
| | | *For Level 4 Controller, Add* | *7,005.08* | |
| | | *For Four Pole Circuit Breaker, Add* | *7,447.38* | |
| | | *For NEMA 3R Enclosure, Add* | *3,439.63* | |
| | | *For NEMA 12 Enclosure, Add* | *2,149.77* | |

26 36 23 00-0052 Accessories *(26 36 23)*

| | | | | |
|---|---|---|---|---|
| 26 36 23 00-0053 | EA | Auxiliary Contacts For Automatic Transfer Switch | 356.25 | |
| 26 36 23 00-0054 | EA | Battery Charger For Automatic Transfer Switch | 2,917.54 | |
| 26 36 23 00-0055 | EA | Elevator Relay Signal For Automatic Transfer Switch | 1,059.53 | |

### 26 36 26 Static Transfer Switches *(26 36)*

26 36 26 00-0001 LA DPW Static Transfer Switch *(26 36 26)*
Note: Excludes installation.

| | | | | |
|---|---|---|---|---|
| 26 36 26 00-0002 | EA | Epsilon Static Transfer Switch – 400 Amp | 71,113.59 | |
| 26 36 26 00-0003 | EA | 5 Switch Option For 400 Amp Epsilon Switch | 11,216.19 | |
| 26 36 26 00-0004 | EA | Kit 2-Key Interlock | 845.61 | |
| 26 36 26 00-0005 | EA | Dry Contacts Relay Board | 351.45 | |
| 26 36 26 00-0006 | EA | RS485/RS232 Serial Communications | 351.45 | |
| 26 36 26 00-0007 | EA | Add Redundant Output Switch (CB3B) | 1,920.71 | |
| 26 36 26 00-0008 | EA | 4 CB KIRK Key Interlock | 2,325.94 | |
| 26 36 26 00-0009 | EA | Keyed Door Lock | 72.34 | |
| 26 36 26 00-0010 | EA | Seismic Bracket Kit | 93.02 | |
| 26 36 26 00-0011 | EA | JBUS/MODBUS Comm Card | 496.18 | |
| 26 36 26 00-0012 | EA | (1) Site Inspection Visit for (1) Epsilon 200 to 600 Amp Static Transfer Switch | 1,755.31 | |
| 26 36 26 00-0013 | EA | Scheduling Upgrade to 7X24 for Existing Startup Service for Static Transfer Switch | 1,651.93 | |
| 26 36 26 00-0014 | EA | Start-Up Service for Static Transfer Switch | 3,488.91 | |

## 26 40 Electrical And Cathodic Protection *(26)*

## 26 43 Surge Protective Devices *(26 40)*

### 26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*
Note: Liebert LPL

| | | | | |
|---|---|---|---|---|
| 26 43 13 00-0002 | EA | 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor | 251.07 | 31.52 |
| 26 43 13 00-0003 | EA | 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor | 270.15 | 31.52 |
| 26 43 13 00-0004 | EA | 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor | 282.76 | 37.82 |
| 26 43 13 00-0005 | EA | 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor | 233.02 | 25.21 |
| 26 43 13 00-0006 | EA | 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor | 282.76 | 37.82 |

26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*
Note: Liebert LPL


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 43 13 00-0008 | EA | 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor | 345.09 | 31.52 |
| 26 43 13 00-0009 | EA | 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor | 368.60 | 37.82 |
| 26 43 13 00-0010 | EA | 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor | 355.99 | 31.52 |
| 26 43 13 00-0011 | EA | 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor | 368.60 | 37.82 |
| **26 43 13 00-0012** | | **100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* | | |
| | | Note: Liebert LPL | | |
| 26 43 13 00-0013 | EA | 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor | 415.94 | 31.52 |
| 26 43 13 00-0014 | EA | 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor | 439.45 | 37.82 |
| 26 43 13 00-0015 | EA | 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor | 386.99 | 25.21 |
| 26 43 13 00-0016 | EA | 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor | 439.45 | 37.82 |
| **26 43 13 00-0017** | | **100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* | | |
| | | Note: Liebert LPM | | |
| 26 43 13 00-0018 | EA | 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor | 489.52 | 31.52 |
| 26 43 13 00-0019 | EA | 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor | 552.55 | 37.82 |
| 26 43 13 00-0020 | EA | 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor | 461.94 | 25.21 |
| **26 43 13 00-0021** | | **160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* | | |
| | | Note: Liebert LPM | | |
| 26 43 13 00-0022 | EA | 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor | 859.14 | 37.82 |
| 26 43 13 00-0023 | EA | 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor | 846.53 | 31.52 |
| 26 43 13 00-0024 | EA | 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor | 859.14 | 37.82 |
| **26 43 13 00-0025** | | **250 kA, 500 Joule Transient Voltage Surge Suppression** *(26 43 13)* | | |
| | | Note: Liebert Interceptor Hybrid. | | |
| 26 43 13 00-0026 | EA | LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor | 8,181.22 | 63.03 |
| 26 43 13 00-0027 | EA | Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor | 10,007.62 | 63.03 |
| **26 43 13 00-0028** | | **Class 1310 Transient Voltage Surge Suppression** *(26 43 13)* | | |
| | | Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D. | | |
| **26 43 13 00-0029** | | **NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor** *(26 43 13 00-0028)* | | |
| | | Note: Square D. EMA series. | | |
| 26 43 13 00-0030 | EA | 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 4,011.78 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0031 | EA | 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 4,426.84 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0032 | EA | 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 6,454.06 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0033 | EA | 320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 8,576.00 | 252.14 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0034 | EA | 480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 12,683.75 | 346.69 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0035 | EA | 120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 4,184.38 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0036 | EA | 160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 4,616.44 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0037 | EA | 240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 6,746.99 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0038 | EA | 320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 8,956.44 | 252.14 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0039 | EA | 480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 13,270.81 | 346.69 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0040 | EA | 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 4,184.38 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0041 | EA | 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 4,616.44 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0042 | EA | 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 6,746.93 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0043 | EA | 320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 8,956.44 | 252.14 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 43 13 00-0044 | EA | 480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 13,270.81 | 346.69 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0045 | EA | 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 4,357.01 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0046 | EA | 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 4,808.49 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0047 | EA | 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 7,042.34 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0048 | EA | 320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 9,339.38 | 252.14 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0049 | EA | 480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 13,860.26 | 346.69 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0050 | EA | 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 4,557.56 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0051 | EA | 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 5,007.87 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0052 | EA | 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 7,351.06 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0053 | EA | 320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 9,740.48 | 252.14 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0054 | EA | 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor | 13,643.26 | 346.69 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |

### 26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series.

| | | | | |
|---|---|---|---|---|
| 26 43 13 00-0056 | EA | 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 3,136.71 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0057 | EA | 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 3,787.57 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0058 | EA | 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 5,537.63 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0059 | EA | 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 3,235.16 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0060 | EA | 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 3,933.42 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0061 | EA | 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 5,728.45 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0062 | EA | 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 3,235.16 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0063 | EA | 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 3,933.42 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0064 | EA | 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 5,728.45 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0065 | EA | 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 3,360.35 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0066 | EA | 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 4,090.21 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0067 | EA | 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 5,972.75 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0068 | EA | 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 3,491.62 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0069 | EA | 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 4,256.72 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0070 | EA | 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor | 6,229.21 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 43 13 00-0071** | | **NEMA 4X Modular Device Transient Voltage Surge Suppressor** *(26 43 13 00-0028)* | | |
| | | Note: Square D EMA series. Stainless steel. | | |
| 26 43 13 00-0072 | EA | 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 5,160.37 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0073 | EA | 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 5,575.43 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0074 | EA | 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 7,602.65 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0075 | EA | 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 5,332.97 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0076 | EA | 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 5,765.03 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0077 | EA | 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 7,895.58 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0078 | EA | 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 5,332.97 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0079 | EA | 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 5,765.03 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0080 | EA | 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 7,895.52 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0081 | EA | 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 5,505.60 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0082 | EA | 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 5,957.08 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0083 | EA | 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 8,190.93 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0084 | EA | 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 5,706.15 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0085 | EA | 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 6,156.46 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0086 | EA | 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor | 8,499.65 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| **26 43 13 00-0087** | | **NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor** *(26 43 13 00-0028)* | | |
| | | Note: Square D EBA series. Stainless steel. | | |
| 26 43 13 00-0088 | EA | 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 4,285.30 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0089 | EA | 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 4,936.16 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0090 | EA | 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 6,686.22 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0091 | EA | 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 4,383.75 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0092 | EA | 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 5,082.01 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0093 | EA | 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 6,877.04 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0094 | EA | 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 4,383.75 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0095 | EA | 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 5,082.01 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0096 | EA | 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 6,877.04 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0097 | EA | 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 4,508.94 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0098 | EA | 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 5,238.80 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 43 13 00-0099 | EA | 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 7,121.34 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0100 | EA | 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 4,640.21 | 163.89 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0101 | EA | 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 5,405.31 | 189.10 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |
| 26 43 13 00-0102 | EA | 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor | 7,377.80 | 220.62 |
| | | *For Integral Disconnect, Add* | *265.68* | |
| | | *For Surge Counter, Add* | *203.04* | |

### 26 43 23 Surge Protective Devices for Lightning Protection *(26 43)*

#### 26 43 23 00-0001 Surge And Lightning Arrestors *(26 43 23)*

#### 26 43 23 00-0002 Metal Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For outdoor construction, single phase.

| | | | | |
|---|---|---|---|---|
| 26 43 23 00-0003 | EA | 3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase | 1,172.65 | 278.77 |
| 26 43 23 00-0004 | EA | 4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase | 1,268.33 | 278.77 |
| 26 43 23 00-0005 | EA | 6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase | 1,268.33 | 278.77 |
| 26 43 23 00-0006 | EA | 7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase | 1,446.03 | 278.77 |
| 26 43 23 00-0007 | EA | 9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase | 1,446.03 | 278.77 |
| 26 43 23 00-0008 | EA | 10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase | 1,593.66 | 278.77 |
| 26 43 23 00-0009 | EA | 12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase | 1,593.66 | 278.77 |
| 26 43 23 00-0010 | EA | 15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase | 2,170.46 | 348.46 |
| 26 43 23 00-0011 | EA | 18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase | 2,247.01 | 348.46 |
| 26 43 23 00-0012 | EA | 21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase | 2,473.40 | 418.16 |
| 26 43 23 00-0013 | EA | 24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase | 2,670.24 | 418.16 |
| 26 43 23 00-0014 | EA | 27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase | 3,165.06 | 418.16 |

#### 26 43 23 00-0015 Porcelain Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For cubicle mounting, single phase.

| | | | | |
|---|---|---|---|---|
| 26 43 23 00-0016 | EA | 3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase | 1,172.65 | 278.77 |
| 26 43 23 00-0017 | EA | 4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase | 1,268.33 | 278.77 |
| 26 43 23 00-0018 | EA | 6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase | 1,268.33 | 278.77 |
| 26 43 23 00-0019 | EA | 7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase | 1,446.03 | 278.77 |
| 26 43 23 00-0020 | EA | 9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase | 1,446.03 | 278.77 |
| 26 43 23 00-0021 | EA | 10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase | 1,593.66 | 278.77 |
| 26 43 23 00-0022 | EA | 12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase | 1,593.66 | 278.77 |
| 26 43 23 00-0023 | EA | 15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase | 2,170.46 | 348.46 |
| 26 43 23 00-0024 | EA | 18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase | 2,247.01 | 348.46 |
| 26 43 23 00-0025 | EA | 21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase | 2,473.40 | 418.16 |
| 26 43 23 00-0026 | EA | 24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase | 2,670.24 | 418.16 |
| 26 43 23 00-0027 | EA | 27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase | 3,165.06 | 418.16 |

#### 26 43 23 00-0028 IMX Accessories *(26 43 23 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 43 23 00-0029 | EA | 1 Crossarm Bracket Reversible 3-27 KV IMX | 975.82 | 278.77 |
| 26 43 23 00-0030 | EA | Single Unit Horizontal Pole Mounted Bracket (IMX) | 964.88 | 278.77 |
| 26 43 23 00-0031 | EA | 3 Unit Horizontal Pole Mounted Bracket (IMX) | 882.97 | 278.77 |

#### 26 43 23 00-0032 Lightning Arrestor And Cutouts *(26 43 23 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 43 23 00-0033 | EA | 3 KV La Distribution Class, Lightning Arrestor | 669.63 | 278.77 |
| 26 43 23 00-0034 | EA | 3 KV La Interior Class, Lightning Arrestor | 1,245.48 | 278.77 |
| 26 43 23 00-0035 | EA | 3 KV La Station Class, Lightning Arrestor | 1,172.65 | 278.77 |
| 26 43 23 00-0036 | EA | 9 KV La Distribution Class, Lightning Arrestor | 729.77 | 278.77 |
| 26 43 23 00-0037 | EA | 9 KV La Interior Class, Lightning Arrestor | 1,404.92 | 278.77 |
| 26 43 23 00-0038 | EA | 9 KV La Station Class, Lightning Arrestor | 1,446.03 | 278.77 |
| 26 43 23 00-0039 | EA | 5 KV Enclosed Fused Cutout | 823.27 | 278.77 |
| 26 43 23 00-0040 | EA | 15 KV Open Fused Cutout | 896.50 | 348.46 |
| 26 43 23 00-0041 | EA | 18 KV La Distribution Class, Lightning Arrestor | 698.13 | 278.77 |
| 26 43 23 00-0042 | EA | 18 KV La Interior Class, Lightning Arrestor | 1,490.14 | 278.77 |

## 26 50 Lighting *(26)*

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

## 26 51 Interior Lighting *(26 50)*

### 26 51 13 Incandescent Interior Lighting *(26 51)*

#### 26 51 13 00-0001 Recessed Fixtures *(26 51 13)*

Note: Housing and trim priced separately.

#### 26 51 13 00-0002 Incandescent, Recessed Fixture Housings *(26 51 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 51 13 00-0003 | EA | 4" Round, Incandescent, T Or ICT Recessed Fixture Housing | 87.47 | 36.06 |
| | | *For ICAT Housing, Add* | *4.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 13 00-0004 | EA | 5" Round, Incandescent, T Or ICT Recessed Fixture Housing | 87.47 | 36.06 |
| | | *For ICAT Housing, Add* | *4.29* | |
| 26 51 13 00-0005 | EA | 6" Round, Incandescent, T Or ICT Recessed Fixture Housing | 92.87 | 37.82 |
| | | *For ICAT Housing, Add* | *4.66* | |
| 26 51 13 00-0006 | EA | 7" Round, Incandescent, T Or ICT Recessed Fixture Housing | 98.44 | 39.46 |
| | | *For ICAT Housing, Add* | *5.05* | |
| 26 51 13 00-0007 | EA | 8" Round, Incandescent, T Or ICT Recessed Fixture Housing | 104.03 | 41.10 |
| | | *For ICAT Housing, Add* | *5.45* | |
| 26 51 13 00-0008 | EA | 10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing | 106.05 | 43.62 |
| | | *For ICAT Housing, Add* | *5.22* | |
| **26 51 13 00-0009** | | **Recessed Fixture Trim** *(26 51 13 00-0001)* | | |
| 26 51 13 00-0010 | EA | Circular, Recessed Fixture Trim | 67.64 | 17.65 |
| 26 51 13 00-0011 | EA | Circular Clear Lens, Recessed Fixture Trim | 75.18 | 17.65 |
| 26 51 13 00-0012 | EA | Open/Baffle, Recessed Fixture Trim | 88.24 | 17.65 |
| 26 51 13 00-0013 | EA | Specular Reflector, Recessed Fixture Trim | 95.17 | 17.65 |
| 26 51 13 00-0014 | EA | Eyeball, Recessed Fixture Trim | 75.29 | 17.65 |
| 26 51 13 00-0015 | EA | 10" To 12" Square, Clear Lens, Recessed Fixture Trim | 71.24 | 17.65 |
| 26 51 13 00-0016 | EA | 10" To 12" Square, Drop Dish, Recessed Fixture Trim | 75.88 | 17.65 |
| **26 51 13 00-0017** | | **Wall Mounted Fixtures** *(26 51 13)* | | |
| **26 51 13 00-0018** | | **Wall Mounted Vanity Light Fixtures** *(26 51 13 00-0017)* | | |
| 26 51 13 00-0019 | EA | 1 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2706) | 152.99 | 50.43 |
| 26 51 13 00-0020 | EA | 2 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2707) | 193.66 | 50.43 |
| 26 51 13 00-0021 | EA | 3 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2708) | 266.97 | 50.43 |
| 26 51 13 00-0022 | EA | 4 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2709) | 328.00 | 50.43 |
| 26 51 13 00-0023 | EA | 5 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2713) | 397.28 | 50.43 |
| 26 51 13 00-0024 | EA | 6 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2714) | 482.69 | 50.43 |
| **26 51 13 00-0025** | | **Track Lighting** *(26 51 13)* | | |
| **26 51 13 00-0026** | | **Incandescent Track Lighting Fixtures** *(26 51 13 00-0025)* | | |
| | | See CSI section 26 51 19 00-0684 for track lighting tracks. | | |
| 26 51 13 00-0027 | EA | Incandescent Track Lighting Fixture, 120 Volt | 87.47 | 21.05 |
| 26 51 13 00-0028 | EA | Par 20 Track Fixture, White Or Black Finish, 120 Volt | 60.12 | 21.05 |
| 26 51 13 00-0029 | EA | Par 30 Track Fixture, White Or Black Finish, 120 Volt | 82.21 | 21.05 |
| 26 51 13 00-0030 | EA | Par 38 Track Fixture, White Or Black Finish, 120 Volt | 84.40 | 21.05 |
| 26 51 13 00-0031 | EA | PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt | 70.12 | 21.05 |
| 26 51 13 00-0032 | EA | PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt | 60.12 | 21.05 |
| 26 51 13 00-0033 | EA | PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt<br>Note: 120V. | 69.07 | 21.05 |
| 26 51 13 00-0034 | EA | PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt | 86.59 | 21.05 |
| **26 51 13 00-0035** | | **Wet Location, Dust Resistant, Vapor Tight Fixtures** *(26 51 13)* | | |
| **26 51 13 00-0036** | | **Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 13 00-0035)* | | |
| 26 51 13 00-0037 | EA | 100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture | 134.04 | 50.43 |
| | | *For Wall Mounted, Add* | *5.10* | |
| 26 51 13 00-0038 | EA | 200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture | 152.47 | 50.43 |
| | | *For Wall Mounted, Add* | *5.10* | |
| **26 51 16** | | **Fluorescent Interior Lighting** *(26 51)* | | |
| **26 51 16 00-0001** | | **Fluorescent Fixtures** *(26 51 16)* | | |
| **26 51 16 00-0002** | | **Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0001)* | | |
| **26 51 16 00-0003** | | **6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)* | | |
| 26 51 16 00-0004 | EA | 1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture | 193.20 | 36.05 |
| 26 51 16 00-0005 | EA | 2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture | 217.40 | 36.05 |
| **26 51 16 00-0006** | | **6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)* | | |
| 26 51 16 00-0007 | EA | 1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture | 218.26 | 37.55 |
| 26 51 16 00-0008 | EA | 2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture | 244.65 | 37.55 |
| **26 51 16 00-0009** | | **1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)* | | |
| 26 51 16 00-0010 | EA | 2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture | 260.66 | 42.15 |
| 26 51 16 00-0011 | EA | 3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture | 309.71 | 42.15 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 16 00-0012 | EA | 4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture | 363.69 | 42.15 |
| **26 51 16 00-0013** | | **2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)* | | |
| 26 51 16 00-0014 | EA | 2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture | 212.02 | 46.07 |
| 26 51 16 00-0015 | EA | 3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture | 245.64 | 46.07 |
| **26 51 16 00-0016** | | **2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)* | | |
| 26 51 16 00-0017 | EA | 2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture | 333.56 | 53.67 |
| 26 51 16 00-0018 | EA | 3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture | 359.28 | 53.67 |
| 26 51 16 00-0019 | EA | 4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture | 408.27 | 53.67 |
| **26 51 16 00-0020** | | **Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0001)* | | |
| | | Note: Includes prismatic lens. | | |
| **26 51 16 00-0021** | | **1' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)* | | |
| 26 51 16 00-0022 | EA | 2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture | 259.19 | 41.81 |
| 26 51 16 00-0023 | EA | 3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture | 422.85 | 41.81 |
| 26 51 16 00-0024 | EA | 4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture | 482.70 | 41.81 |
| **26 51 16 00-0025** | | **2' x 2', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)* | | |
| 26 51 16 00-0026 | EA | 2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture | 406.62 | 46.07 |
| 26 51 16 00-0027 | EA | 3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture | 444.49 | 46.07 |
| 26 51 16 00-0028 | EA | 4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture | 471.83 | 46.07 |
| **26 51 16 00-0029** | | **2' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)* | | |
| 26 51 16 00-0030 | EA | 2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture | 411.87 | 53.67 |
| 26 51 16 00-0031 | EA | 3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture | 452.12 | 53.67 |
| 26 51 16 00-0032 | EA | 4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture | 474.29 | 53.67 |
| 26 51 16 00-0033 | EA | 6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture | 508.03 | 53.67 |
| **26 51 16 00-0034** | | **4' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)* | | |
| 26 51 16 00-0035 | EA | 4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture | 819.17 | 69.11 |
| 26 51 16 00-0036 | EA | 6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture | 832.72 | 69.11 |
| 26 51 16 00-0037 | EA | 8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture | 708.03 | 69.11 |
| **26 51 16 00-0038** | | **Recessed Fluorescent Fixtures** *(26 51 16 00-0001)* | | |
| **26 51 16 00-0039** | | **Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)* | | |
| **26 51 16 00-0040** | | **1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)* | | |
| 26 51 16 00-0041 | EA | 2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 409.03 | 36.05 |
| | | *For Drywall Or Plaster Ceilings, Add* | *24.36* | |
| **26 51 16 00-0042** | | **1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)* | | |
| 26 51 16 00-0043 | EA | 2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 542.84 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| 26 51 16 00-0044 | EA | 2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 1,025.69 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| **26 51 16 00-0045** | | **2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)* | | |
| 26 51 16 00-0046 | EA | 2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 548.91 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| 26 51 16 00-0047 | EA | 3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 634.05 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| 26 51 16 00-0048 | EA | 4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 639.95 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| 26 51 16 00-0049 | EA | 2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 691.06 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| **26 51 16 00-0050** | | **2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)* | | |
| 26 51 16 00-0051 | EA | 2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 522.01 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0052 | EA | 3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 749.02 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0053 | EA | 4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 755.80 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0054 | EA | 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 845.59 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0055 | EA | 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 718.76 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 16 00-0056 | EA | 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 1,003.56 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0057 | EA | 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture | 1,019.96 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |

### 26 51 16 00-0058 Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*

### 26 51 16 00-0059 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0060 | EA | 1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 487.85 | 36.05 |
| | | *For Drywall Or Plaster Ceilings, Add* | *24.36* | |
| 26 51 16 00-0061 | EA | 2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 493.74 | 36.05 |
| | | *For Drywall Or Plaster Ceilings, Add* | *24.36* | |
| 26 51 16 00-0062 | EA | 3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 584.34 | 36.05 |
| | | *For Drywall Or Plaster Ceilings, Add* | *24.36* | |

### 26 51 16 00-0063 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0064 | EA | 1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 555.42 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| 26 51 16 00-0065 | EA | 2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 562.20 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| 26 51 16 00-0066 | EA | 3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 638.56 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |

### 26 51 16 00-0067 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0068 | EA | 2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 567.31 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| 26 51 16 00-0069 | EA | 3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 573.20 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| 26 51 16 00-0070 | EA | 4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 662.40 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |

### 26 51 16 00-0071 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0072 | EA | 2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 522.01 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0073 | EA | 3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 618.06 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0074 | EA | 4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 709.21 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0075 | EA | 6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture | 807.47 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |

### 26 51 16 00-0076 Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*

### 26 51 16 00-0077 1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0078 | EA | 1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture | 1,086.67 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| 26 51 16 00-0079 | EA | 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture | 1,093.45 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| 26 51 16 00-0080 | EA | 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture | 1,296.63 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| 26 51 16 00-0081 | EA | 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture | 1,313.03 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |

### 26 51 16 00-0082 2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0083 | EA | 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture | 847.55 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| 26 51 16 00-0084 | EA | 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture | 949.71 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| 26 51 16 00-0085 | EA | 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture | 1,170.29 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |

### 26 51 16 00-0086 2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0087 | EA | 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture | 949.78 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0088 | EA | 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture | 1,185.27 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0089 | EA | 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture | 1,266.05 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0090 | EA | 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture | 1,391.93 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |

### 26 51 16 00-0091 Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*

### 26 51 16 00-0092 1' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 16 00-0093 | EA | 2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture | 839.89 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| 26 51 16 00-0094 | EA | 2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture | 1,127.67 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| 26 51 16 00-0095 | | 2' x 2', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)* | | |
| 26 51 16 00-0096 | EA | 2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture | 834.15 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| 26 51 16 00-0097 | EA | 2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture | 962.83 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| 26 51 16 00-0098 | | 2' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)* | | |
| 26 51 16 00-0099 | EA | 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture | 925.19 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0100 | EA | 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture | 927.33 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0101 | | Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)* | | |
| 26 51 16 00-0102 | | 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)* | | |
| 26 51 16 00-0103 | EA | 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture | 773.76 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| 26 51 16 00-0104 | | 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)* | | |
| 26 51 16 00-0105 | EA | 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture | 737.22 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| 26 51 16 00-0106 | | 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)* | | |
| 26 51 16 00-0107 | EA | 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture | 895.36 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0108 | EA | 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture | 633.36 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0109 | EA | 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture | 1,031.40 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0110 | | Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)* | | |
| 26 51 16 00-0111 | | 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)* | | |
| 26 51 16 00-0112 | EA | 2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture | 734.67 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| 26 51 16 00-0113 | | 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)* | | |
| 26 51 16 00-0114 | EA | 2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture | 736.29 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| 26 51 16 00-0115 | | 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)* | | |
| 26 51 16 00-0116 | EA | 2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture | 917.29 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0117 | EA | 3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture | 931.69 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0118 | EA | 4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture | 954.65 | 53.67 |
| | | *For Drywall Or Plaster Ceilings, Add* | *36.28* | |
| 26 51 16 00-0119 | | Striplight Fluorescent Fixtures *(26 51 16 00-0001)* | | |
| 26 51 16 00-0120 | | 1 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0119)* | | |
| 26 51 16 00-0121 | EA | 1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture | 296.46 | 34.55 |
| 26 51 16 00-0122 | EA | 2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture | 371.19 | 34.55 |
| 26 51 16 00-0123 | EA | 3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture | 361.13 | 38.35 |
| 26 51 16 00-0124 | EA | 4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture | 366.65 | 42.15 |
| 26 51 16 00-0125 | EA | 8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture | 449.19 | 49.93 |
| 26 51 16 00-0126 | | 2 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0119)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 16 00-0127 | EA | 2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture | 365.90 | 38.35 |
| 26 51 16 00-0128 | EA | 3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture | 373.89 | 42.15 |
| 26 51 16 00-0129 | EA | 4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture | 379.19 | 46.07 |
| **26 51 16 00-0130** | | **3 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0119)* | | |
| 26 51 16 00-0131 | EA | 2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture | 553.92 | 38.35 |
| 26 51 16 00-0132 | EA | 3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture | 529.16 | 42.15 |
| 26 51 16 00-0133 | EA | 4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture | 534.21 | 46.07 |
| **26 51 16 00-0134** | | **Display Case Fluorescent Fixtures** *(26 51 16 00-0119)* | | |
| 26 51 16 00-0135 | EA | 1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W) | 194.26 | 37.82 |
| 26 51 16 00-0136 | EA | 1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W) | 267.03 | 37.82 |
| 26 51 16 00-0137 | EA | 1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W) | 288.09 | 44.12 |
| 26 51 16 00-0138 | EA | 1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W) | 298.27 | 44.12 |
| **26 51 16 00-0139** | | **Industrial Fluorescent Fixtures** *(26 51 16 00-0001)* | | |
| **26 51 16 00-0140** | | **1 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)* | | |
| 26 51 16 00-0141 | EA | 2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture | 443.19 | 34.55 |
| 26 51 16 00-0142 | EA | 4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture | 463.85 | 42.15 |
| 26 51 16 00-0143 | EA | 8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture | 877.78 | 53.67 |
| **26 51 16 00-0144** | | **2 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)* | | |
| 26 51 16 00-0145 | EA | 2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture | 454.85 | 38.35 |
| 26 51 16 00-0146 | EA | 4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture | 476.40 | 46.07 |
| 26 51 16 00-0147 | EA | 8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture | 891.33 | 53.67 |
| **26 51 16 00-0148** | | **3 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)* | | |
| 26 51 16 00-0149 | EA | 2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture | 473.45 | 38.35 |
| 26 51 16 00-0150 | EA | 4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture | 492.71 | 46.07 |
| 26 51 16 00-0151 | EA | 8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture | 760.88 | 53.67 |
| **26 51 16 00-0152** | | **4 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)* | | |
| 26 51 16 00-0153 | EA | 4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture | 693.89 | 46.07 |
| 26 51 16 00-0154 | EA | 8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture | 1,028.55 | 53.67 |
| **26 51 16 00-0155** | | **Flanged Fluorescent Fixture** *(26 51 16 00-0001)* | | |
| | | Note: For plaster or drywall application. With electronic ballast. | | |
| 26 51 16 00-0156 | EA | 2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture | 638.21 | 69.11 |
| 26 51 16 00-0157 | EA | 3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture | 772.05 | 69.11 |
| 26 51 16 00-0158 | EA | 4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture | 778.83 | 69.11 |
| **26 51 16 00-0159** | | **Undercabinet Fluorescent Fixtures** *(26 51 16 00-0001)* | | |
| 26 51 16 00-0160 | EA | 1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture | 228.02 | 31.10 |
| 26 51 16 00-0161 | EA | 1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture | 263.93 | 38.01 |
| 26 51 16 00-0162 | EA | 2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture | 259.10 | 38.01 |
| 26 51 16 00-0163 | EA | 1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture | 316.96 | 41.46 |
| 26 51 16 00-0164 | EA | 2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture | 368.34 | 48.38 |
| **26 51 16 00-0165** | | **Surface Mounted, T5HO Fluorescent Fixture** *(26 51 16 00-0001)* | | |
| | | Note: For 8' fixture, use two (2) 4' fixtures | | |
| 26 51 16 00-0166 | EA | 1 T5HO Lamp, 60 W, 4' Length, Surface Mounted, Fluorescent Fixture | 560.52 | 53.67 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| | | *For Gasketed/Wet Location, Add* | *57.75* | |
| 26 51 16 00-0167 | EA | 2 T5HO Lamps, 120 W, 4' Length, Surface Mounted, Fluorescent Fixture | 454.43 | 53.67 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| | | *For Gasketed/Wet Location, Add* | *57.75* | |
| 26 51 16 00-0168 | EA | 3 T5HO Lamps, 182 W, 4' Length, Surface Mounted, Fluorescent Fixture | 472.86 | 53.67 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| | | *For Gasketed/Wet Location, Add* | *57.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 16 00-0169 | EA | 4 T5HO Lamps, 240 W, 4' Length, Surface Mounted, Fluorescent Fixture | 545.48 | 53.67 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| | | *For Gasketed/Wet Location, Add* | *57.75* | |
| 26 51 16 00-0170 | EA | 6 T5HO Lamps, 358 W, 4' Length, Surface Mounted, Fluorescent Fixture | 698.58 | 53.67 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| | | *For Gasketed/Wet Location, Add* | *57.75* | |
| 26 51 16 00-0171 | | Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0001)* | | |
| | | Note: Includes acrylic drop dish diffuser. | | |
| 26 51 16 00-0172 | | 2' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0171)* | | |
| 26 51 16 00-0173 | EA | 1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture | 259.77 | 34.55 |
| 26 51 16 00-0174 | EA | 2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture | 289.97 | 34.55 |
| 26 51 16 00-0175 | | 3' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0171)* | | |
| 26 51 16 00-0176 | EA | 1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture | 296.64 | 36.28 |
| 26 51 16 00-0177 | EA | 2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture | 325.49 | 36.28 |
| 26 51 16 00-0178 | | 4' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0171)* | | |
| 26 51 16 00-0179 | EA | 1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture | 292.22 | 38.01 |
| 26 51 16 00-0180 | EA | 2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture | 321.97 | 38.01 |
| 26 51 16 00-0181 | | Wall Bracket, Fluorescent Fixtures *(26 51 16 00-0001)* | | |
| 26 51 16 00-0182 | | Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0181)* | | |
| | | Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast. | | |
| 26 51 16 00-0183 | | 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0182)* | | |
| 26 51 16 00-0184 | EA | 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) | 251.93 | 57.99 |
| 26 51 16 00-0185 | EA | 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) | 256.96 | 57.99 |
| 26 51 16 00-0186 | | 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0182)* | | |
| 26 51 16 00-0187 | EA | 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) | 328.24 | 57.99 |
| 26 51 16 00-0188 | EA | 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) | 335.26 | 57.99 |
| 26 51 16 00-0189 | | 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0182)* | | |
| 26 51 16 00-0190 | EA | 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) | 340.03 | 57.99 |
| 26 51 16 00-0191 | EA | 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) | 345.05 | 57.99 |
| 26 51 16 00-0192 | | Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0181)* | | |
| | | Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast. | | |
| 26 51 16 00-0193 | | 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0192)* | | |
| 26 51 16 00-0194 | EA | 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP) | 690.38 | 57.99 |
| 26 51 16 00-0195 | EA | 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP) | 695.40 | 57.99 |
| 26 51 16 00-0196 | | 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0192)* | | |
| 26 51 16 00-0197 | EA | 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP) | 539.53 | 57.99 |
| 26 51 16 00-0198 | EA | 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP) | 546.54 | 57.99 |
| 26 51 16 00-0199 | | 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0192)* | | |
| 26 51 16 00-0200 | EA | 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP) | 625.01 | 57.99 |
| 26 51 16 00-0201 | EA | 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP) | 630.03 | 57.99 |
| 26 51 16 00-0202 | | Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0181)* | | |
| | | Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast. | | |
| 26 51 16 00-0203 | | 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0202)* | | |
| 26 51 16 00-0204 | EA | 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC) | 240.99 | 57.99 |
| 26 51 16 00-0205 | EA | 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC) | 246.01 | 57.99 |
| 26 51 16 00-0206 | | 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0202)* | | |
| 26 51 16 00-0207 | EA | 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC) | 242.98 | 57.99 |
| 26 51 16 00-0208 | EA | 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC) | 249.99 | 57.99 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 16 00-0209 | | **4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0202)* | | |
| 26 51 16 00-0210 | EA | 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC) | 232.60 | 57.99 |
| 26 51 16 00-0211 | EA | 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC) | 237.62 | 57.99 |
| 26 51 16 00-0212 | | **Low Occupancy, Industrial Fluorescent Fixtures** *(26 51 16 00-0001)* | | |
| 26 51 16 00-0213 | EA | 1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP) | 291.37 | 42.15 |
| 26 51 16 00-0214 | EA | 2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP) | 297.14 | 46.07 |
| 26 51 16 00-0215 | | **Surface Mounted, Fluorescent Fixtures, Architectural** *(26 51 16 00-0001)* | | |
| 26 51 16 00-0216 | | **8-1/2"' x 4' Surface Mounted Architectural Fluorescent Fixtures** *(26 51 16 00-0215)* | | |
| 26 51 16 00-0217 | EA | 8-1/2" x 4' Surface Mounted Architectural Fluorescent Fixture, 1 54 Watt T5 HO Lamp<br>Note: With electronic ballast. | 488.96 | 42.15 |
| 26 51 16 00-0218 | | **Surface Mounted, Stairway, Fluorescent Fixtures** *(26 51 16 00-0001)*<br>Note: Includes emergency battery mounted electronic dimming ballasts. | | |
| 26 51 16 00-0219 | EA | 3' Surface Mounted Stairway Fluorescent Fixture 2 25W T8 Lamps<br>Note: Clear prismatic lens, emergency battery backup with electronic dimming ballast. Cooper STL-57-2F25. | 791.21 | 53.67 |
| 26 51 16 00-0220 | EA | 3' Ceiling Mounted Stairway Fluorescent Fixture 2 25W T8 Lamps<br>Note: Clear prismatic lens, emergency battery backup with electronic dimming ballast. Day-Bright STW--C-2-25-CP-120-1/2EBD. | 833.61 | 53.67 |
| 26 51 16 00-0221 | EA | 3' Ceiling Mounted Stairway Fluorescent Fixture 2 25W T8 Lamps<br>Note: Clear prismatic acrylic lens, emergency battery backup with electronic dimming ballast (5%, 10%, 20% & 30%). Lamar Lighting C2-2-25-E8-1-PA-AS-EM. | 1,107.75 | 53.67 |
| 26 51 16 00-0222 | EA | 18" Diameter Surface Mounted Stairway Fluorescent Fixture, 2 26W<br>Note: Clear prismatic acrylic lens, emergency battery backup with electronic dimming ballast (5%, 10%, 20% & 75%). Lamar Lighting MTN-2-26-18-EQ-1-SW-AS-EM. | 1,181.11 | 53.67 |
| 26 51 16 00-0223 | | **Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0001)*<br>Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws. | | |
| 26 51 16 00-0224 | | **8-1/4" x 2', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0223)* | | |
| 26 51 16 00-0225 | EA | 8-1/4" x 2', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF) | 364.93 | 57.99 |
| 26 51 16 00-0226 | EA | 8-1/4" x 2', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF) | 382.51 | 57.99 |
| 26 51 16 00-0227 | | **8-1/4" x 4', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0223)* | | |
| 26 51 16 00-0228 | EA | 8-1/4" x 4', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF) | 417.67 | 57.99 |
| 26 51 16 00-0229 | EA | 8-1/4" x 4', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF) | 432.74 | 57.99 |
| 26 51 16 00-0230 | EA | 8-1/4" x 4', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF) | 452.83 | 57.99 |
| 26 51 16 00-0231 | | **6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0223)* | | |
| 26 51 16 00-0232 | EA | 1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures | 251.81 | 36.05 |
| 26 51 16 00-0233 | EA | 2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures | 300.31 | 36.05 |
| 26 51 16 00-0234 | | **6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0223)* | | |
| 26 51 16 00-0235 | EA | 1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures | 272.25 | 37.55 |
| 26 51 16 00-0236 | EA | 2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures | 325.46 | 37.55 |
| 26 51 16 00-0237 | | **1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0223)* | | |
| 26 51 16 00-0238 | EA | 2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures | 307.59 | 39.85 |
| 26 51 16 00-0239 | EA | 3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures | 365.86 | 39.85 |
| 26 51 16 00-0240 | EA | 4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures | 393.56 | 39.85 |
| 26 51 16 00-0241 | | **1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0223)* | | |
| 26 51 16 00-0242 | EA | 2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures | 331.68 | 42.15 |
| 26 51 16 00-0243 | EA | 3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures | 395.08 | 42.15 |
| 26 51 16 00-0244 | EA | 4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures | 425.32 | 42.15 |
| 26 51 16 00-0245 | | **Ceiling Mounted Fluorescent Fixtures** *(26 51 16)* | | |
| 26 51 16 00-0246 | | **Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures** *(26 51 16 00-0245)* | | |
| 26 51 16 00-0247 | | **Glass Globe, Compact Fluorescent/Incandescent Fixtures** *(26 51 16 00-0246)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 16 00-0248 | EA | 6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture | 233.54 | 50.43 |
| 26 51 16 00-0249 | EA | 9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture | 287.54 | 50.43 |
| **26 51 16 00-0250** | | **Ceiling Mounted, Circline Fluorescent Fixtures** *(26 51 16 00-0245)* | | |
| **26 51 16 00-0251** | | **Exposed Lamps, Circline Fluorescent Fixtures** *(26 51 16 00-0250)* | | |
| 26 51 16 00-0252 | EA | 8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture | 185.11 | 50.43 |
| 26 51 16 00-0253 | EA | 12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture | 204.73 | 50.43 |
| **26 51 16 00-0254** | | **Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures** *(26 51 16 00-0250)* | | |
| 26 51 16 00-0255 | EA | 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture | 305.11 | 50.43 |
| 26 51 16 00-0256 | EA | 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture | 453.78 | 50.43 |
| 26 51 16 00-0257 | EA | 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture | 556.78 | 50.43 |
| 26 51 16 00-0258 | EA | 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture | 353.27 | 50.43 |
| 26 51 16 00-0259 | EA | 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture | 456.82 | 50.43 |
| 26 51 16 00-0260 | EA | 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture | 556.78 | 50.43 |
| **26 51 16 00-0261** | | **Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures** *(26 51 16 00-0245)* | | |
| **26 51 16 00-0262** | | **Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures** *(26 51 16 00-0261)* | | |
| 26 51 16 00-0263 | EA | 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture | 309.29 | 50.43 |
| 26 51 16 00-0264 | EA | 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture | 418.41 | 50.43 |
| 26 51 16 00-0265 | EA | 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture | 510.95 | 50.43 |
| 26 51 16 00-0266 | EA | 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture | 240.35 | 50.43 |
| 26 51 16 00-0267 | EA | 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture | 297.07 | 50.43 |
| 26 51 16 00-0268 | EA | 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture | 404.52 | 50.43 |
| **26 51 16 00-0269** | | **Pendant Mounted, Compact Fluorescent/Incandescent Downlights** *(26 51 16 00-0245)* | | |
| **26 51 16 00-0270** | | **Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights** *(26 51 16 00-0269)* | | |
| 26 51 16 00-0271 | EA | 6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight | 523.29 | 41.43 |
| **26 51 16 00-0272** | | **Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle** *(26 51 16 00-0269)* | | |
| 26 51 16 00-0273 | EA | 6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle | 605.50 | 41.43 |
| 26 51 16 00-0274 | EA | 8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle | 870.72 | 41.43 |
| **26 51 16 00-0275** | | **Pendant Mounted, Horizontal Indirect Fluorescent Fixtures** *(26 51 16 00-0245)* | | |
| 26 51 16 00-0276 | EA | 1 T5HO Lamp, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture | 312.92 | 41.43 |
| 26 51 16 00-0277 | EA | 2 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture | 332.50 | 41.43 |
| 26 51 16 00-0278 | EA | 3 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture | 398.56 | 41.43 |
| 26 51 16 00-0279 | EA | 2 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture | 414.90 | 41.43 |
| 26 51 16 00-0280 | EA | 4 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture | 496.32 | 41.43 |
| 26 51 16 00-0281 | EA | 6 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture | 592.53 | 41.43 |
| **26 51 16 00-0282** | | **Finelite Fluorescent Fixtures** *(26 51 16 00-0245)* | | |
| **26 51 16 00-0283** | | **Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10)** *(26 51 16 00-0282)* | | |
| 26 51 16 00-0284 | EA | 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 532.46 | 58.74 |
| | | *For Dual Circuit, Add* | *133.26* | |
| 26 51 16 00-0285 | EA | 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 530.08 | 58.74 |
| | | *For Dual Circuit, Add* | *132.55* | |
| 26 51 16 00-0286 | EA | 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 573.47 | 58.74 |
| | | *For Dual Circuit, Add* | *145.57* | |
| 26 51 16 00-0287 | EA | 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 642.44 | 58.74 |
| | | *For Dual Circuit, Add* | *166.26* | |
| 26 51 16 00-0288 | EA | 2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 704.27 | 58.74 |
| | | *For Dual Circuit, Add* | *184.81* | |
| 26 51 16 00-0289 | EA | 3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 866.81 | 58.74 |
| | | *For Dual Circuit, Add* | *233.57* | |
| 26 51 16 00-0290 | EA | 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 761.47 | 61.27 |
| | | *For Dual Circuit, Add* | *150.91* | |
| 26 51 16 00-0291 | EA | 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 784.18 | 61.27 |
| | | *For Dual Circuit, Add* | *156.02* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 16 00-0292 | EA | 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 870.97 | 61.27 |
| | | *For Dual Circuit, Add* | *175.55* | |
| 26 51 16 00-0293 | EA | 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 834.96 | 61.27 |
| | | *For Dual Circuit, Add* | *167.44* | |
| 26 51 16 00-0294 | EA | 4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 1,050.17 | 61.27 |
| | | *For Dual Circuit, Add* | *215.87* | |
| 26 51 16 00-0295 | EA | 6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 1,237.92 | 61.27 |
| | | *For Dual Circuit, Add* | *258.11* | |
| 26 51 16 00-0296 | EA | 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 1,008.79 | 63.79 |
| | | *For Dual Circuit, Add* | *137.33* | |
| 26 51 16 00-0297 | EA | 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 1,047.43 | 63.79 |
| | | *For Dual Circuit, Add* | *143.12* | |
| 26 51 16 00-0298 | EA | 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 1,159.31 | 63.79 |
| | | *For Dual Circuit, Add* | *159.90* | |
| 26 51 16 00-0299 | EA | 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 1,164.81 | 63.79 |
| | | *For Dual Circuit, Add* | *160.73* | |
| 26 51 16 00-0300 | EA | 6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 1,441.85 | 63.79 |
| | | *For Dual Circuit, Add* | *202.28* | |
| 26 51 16 00-0301 | EA | 9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) | 1,728.05 | 63.79 |
| | | *For Dual Circuit, Add* | *245.21* | |

## 26 51 16 00-0302 Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) *(26 51 16 00-0282)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0303 | EA | 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) | 525.12 | 58.74 |
| | | *For Dual Circuit, Add* | *131.06* | |
| 26 51 16 00-0304 | EA | 1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) | 572.44 | 58.74 |
| | | *For Dual Circuit, Add* | *145.26* | |
| 26 51 16 00-0305 | EA | 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) | 571.68 | 58.74 |
| | | *For Dual Circuit, Add* | *145.03* | |
| 26 51 16 00-0306 | EA | 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) | 773.21 | 61.27 |
| | | *For Dual Circuit, Add* | *153.55* | |
| 26 51 16 00-0307 | EA | 2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) | 828.06 | 61.27 |
| | | *For Dual Circuit, Add* | *165.89* | |
| 26 51 16 00-0308 | EA | 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) | 826.53 | 61.27 |
| | | *For Dual Circuit, Add* | *165.55* | |
| 26 51 16 00-0309 | EA | 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) | 1,021.31 | 63.79 |
| | | *For Dual Circuit, Add* | *139.20* | |
| 26 51 16 00-0310 | EA | 3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) | 1,163.27 | 63.79 |
| | | *For Dual Circuit, Add* | *160.50* | |
| 26 51 16 00-0311 | EA | 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) | 1,160.99 | 63.79 |
| | | *For Dual Circuit, Add* | *160.16* | |

## 26 51 16 00-0312 Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) *(26 51 16 00-0282)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0313 | EA | 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) | 400.19 | 58.74 |
| | | *For Dual Circuit, Add* | *93.58* | |
| 26 51 16 00-0314 | EA | 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) | 422.23 | 58.74 |
| | | *For Dual Circuit, Add* | *100.19* | |
| 26 51 16 00-0315 | EA | 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) | 500.20 | 58.74 |
| | | *For Dual Circuit, Add* | *123.59* | |
| 26 51 16 00-0316 | EA | 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) | 523.91 | 61.27 |
| | | *For Dual Circuit, Add* | *97.46* | |
| 26 51 16 00-0317 | EA | 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) | 618.83 | 61.27 |
| | | *For Dual Circuit, Add* | *118.81* | |
| 26 51 16 00-0318 | EA | 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) | 731.55 | 61.27 |
| | | *For Dual Circuit, Add* | *144.18* | |
| 26 51 16 00-0319 | EA | 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) | 723.92 | 63.79 |
| | | *For Dual Circuit, Add* | *94.59* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 16 00-0320 | EA | 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) | 886.64 | 63.79 |
| | | *For Dual Circuit, Add* | *119.00* | |
| 26 51 16 00-0321 | EA | 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) | 1,059.53 | 63.79 |
| | | *For Dual Circuit, Add* | *144.94* | |

## 26 51 16 00-0322 Fluorescent, Recessed Fixture Housings *(26 51 16)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0323 | EA | 4" Round, Fluorescent, T Or ICT Recessed Fixture Housing | 140.29 | 36.06 |
| | | *For ICAT Housing, Add* | *11.10* | |
| 26 51 16 00-0324 | EA | 5" Round, Fluorescent, T Or ICT Recessed Fixture Housing | 144.98 | 36.06 |
| | | *For ICAT Housing, Add* | *11.71* | |
| 26 51 16 00-0325 | EA | 6" Round, Fluorescent, T Or ICT Recessed Fixture Housing | 151.06 | 37.69 |
| | | *For ICAT Housing, Add* | *12.17* | |
| 26 51 16 00-0326 | EA | 7" Round, Fluorescent, T Or ICT Recessed Fixture Housing | 158.74 | 39.08 |
| | | *For ICAT Housing, Add* | *12.83* | |
| 26 51 16 00-0327 | EA | 8" Round, Fluorescent, T Or ICT Recessed Fixture Housing | 165.45 | 41.10 |
| | | *For ICAT Housing, Add* | *13.37* | |
| 26 51 16 00-0328 | EA | 10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing | 171.37 | 43.62 |
| | | *For ICAT Housing, Add* | *13.65* | |

## 26 51 16 00-0329 Compact Fluorescent, Recessed Fixture Housings *(26 51 16)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0330 | EA | 4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing | 160.47 | 36.06 |
| | | *For ICAT Housing, Add* | *13.71* | |
| 26 51 16 00-0331 | EA | 5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing | 165.09 | 36.06 |
| | | *For ICAT Housing, Add* | *14.30* | |
| 26 51 16 00-0332 | EA | 6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing | 171.31 | 37.82 |
| | | *For ICAT Housing, Add* | *14.78* | |
| 26 51 16 00-0333 | EA | 7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing | 176.34 | 39.46 |
| | | *For ICAT Housing, Add* | *15.10* | |
| 26 51 16 00-0334 | EA | 8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing | 182.10 | 41.10 |
| | | *For ICAT Housing, Add* | *15.52* | |
| 26 51 16 00-0335 | EA | 10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing | 187.67 | 43.62 |
| | | *For ICAT Housing, Add* | *15.75* | |

## 26 51 16 00-0336 Fluorescent Track Lighting Fixtures *(26 51 16)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0337 | EA | 2L 18W BX Track Fixture, Electronic Ballast<br>Note: White or Black Finish, 120V. | 302.68 | 21.05 |
| 26 51 16 00-0338 | EA | 2L 39W BX Track Fixture, Electronic Ballast<br>Note: White or Black Finish, 120V. | 311.44 | 21.05 |
| 26 51 16 00-0339 | EA | 2L 40W BX Track Fixture, Electronic Ballast<br>Note: White or Black Finish, 120V. | 316.91 | 21.05 |
| 26 51 16 00-0340 | EA | 2L 50W BX Track Fixture, Electronic Ballast<br>Note: White or Black Finish, 120V. | 195.78 | 21.05 |
| 26 51 16 00-0341 | EA | 2L, 55 Watt BX Track Fixture, Electronic Ballast<br>Note: White or Black Finish, 120V. | 338.37 | 21.05 |

## 26 51 16 00-0342 Compact Fluorescent Track Lighting Fixtures *(26 51 16)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0343 | EA | Compact Fluorescent Track Lighting Fixture | 102.68 | 21.05 |

## 26 51 16 00-0344 Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 16)*

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0345 | EA | 13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture | 143.55 | 50.43 |
| | | *For Wall Mounted, Add* | *6.02* | |
| 26 51 16 00-0346 | EA | 22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture | 147.18 | 50.43 |
| | | *For Wall Mounted, Add* | *6.02* | |
| 26 51 16 00-0347 | EA | 28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture | 156.14 | 50.43 |
| | | *For Wall Mounted, Add* | *6.02* | |

## 26 51 16 00-0348 Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16)*

## 26 51 16 00-0349 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16 00-0348)*

## 26 51 16 00-0350 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) *(26 51 16 00-0349)*

Note: Includes high impact acrylic molded lens.

| | | | | |
|---|---|---|---|---|
| 26 51 16 00-0351 | EA | 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) | 321.17 | 53.67 |
| | | *For T5 Fixture Instead Of T8, Add* | *27.54* | |
| 26 51 16 00-0352 | EA | 2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) | 336.83 | 53.67 |
| | | *For T5 Fixture Instead Of T8, Add* | *29.33* | |
| 26 51 16 00-0353 | EA | 3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) | 528.69 | 53.67 |
| | | *For T5 Fixture Instead Of T8, Add* | *51.30* | |
| 26 51 16 00-0354 | EA | 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) | 456.03 | 53.67 |
| 26 51 16 00-0355 | EA | 2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) | 735.44 | 53.67 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 16 00-0356 | | 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) *(26 51 16 00-0349)* | | |
| | | Note: Includes high impact acrylic molded lens. | | |
| 26 51 16 00-0357 | EA | 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W) | 377.67 | 53.67 |
| 26 51 16 00-0358 | EA | 2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W) | 382.43 | 53.67 |
| 26 51 16 00-0359 | EA | 3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W) | 558.97 | 53.67 |
| 26 51 16 00-0360 | EA | 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W) | 461.58 | 53.67 |
| 26 51 16 00-0361 | EA | 2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W) | 482.66 | 53.67 |
| 26 51 16 00-0362 | | 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16 00-0348)* | | |
| | | Note: Includes high impact acrylic molded lens. | | |
| 26 51 16 00-0363 | | 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) *(26 51 16 00-0362)* | | |
| | | Note: Includes high impact acrylic molded lens. | | |
| 26 51 16 00-0364 | EA | 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) | 606.96 | 72.91 |
| | | *For T5 Fixture Instead Of T8, Add* | *56.97* | |
| 26 51 16 00-0365 | EA | 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) | 631.66 | 72.91 |
| | | *For T5 Fixture Instead Of T8, Add* | *59.80* | |
| 26 51 16 00-0366 | | High Bay Fluorescent Fixtures *(26 51 16)* | | |
| 26 51 16 00-0367 | | (T8) Fluorescent, High Bay Fixtures *(26 51 16 00-0366)* | | |
| 26 51 16 00-0368 | | (T8) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0367)* | | |
| | | Note: For 8' fixture, use two (2) 4' fixtures. | | |
| 26 51 16 00-0369 | EA | 2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) | 525.23 | 117.48 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0370 | EA | 3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) | 549.82 | 130.16 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0371 | EA | 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) | 623.05 | 148.58 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0372 | EA | 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) | 748.57 | 156.53 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0373 | EA | 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) | 814.74 | 163.79 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0374 | EA | 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) | 460.68 | 148.58 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0375 | EA | 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) | 485.74 | 156.53 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0376 | EA | 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) | 555.55 | 163.79 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0377 | | (T5HO) Fluorescent, High Bay Fixtures *(26 51 16 00-0366)* | | |
| 26 51 16 00-0378 | | (T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0377)* | | |
| | | Note: For 8' fixture, use two (2) 4' fixtures. | | |
| 26 51 16 00-0379 | EA | 2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) | 531.19 | 117.48 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0380 | EA | 3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) | 555.91 | 130.16 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0381 | EA | 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) | 633.14 | 148.58 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0382 | EA | 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) | 768.96 | 156.53 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 16 00-0383 | EA | 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) | 485.89 | 148.58 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0384 | EA | 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) | 536.00 | 156.53 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |
| 26 51 16 00-0385 | EA | 8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) | 625.32 | 163.79 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Acrylic Lens, Add* | *54.00* | |

## 26 51 19 LED Interior Lighting *(26 51)*

### 26 51 19 00-0001 LED Fixtures *(26 51 19)*

### 26 51 19 00-0002 Undercabinet LED Fixtures *(26 51 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0003 | EA | 12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6) | 142.42 | 31.10 |
| | | *For >50 To 100, Deduct* | *-4.86* | |
| | | *For >100 To 250, Deduct* | *-8.42* | |
| | | *For >250 To 500, Deduct* | *-14.24* | |
| | | *For >500, Deduct* | *-20.07* | |
| 26 51 19 00-0004 | EA | 18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6) | 176.21 | 38.01 |
| | | *For >50 To 100, Deduct* | *-5.99* | |
| | | *For >100 To 250, Deduct* | *-10.39* | |
| | | *For >250 To 500, Deduct* | *-17.62* | |
| | | *For >500, Deduct* | *-24.85* | |
| 26 51 19 00-0005 | EA | 24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6) | 177.24 | 38.01 |
| | | *For >50 To 100, Deduct* | *-6.01* | |
| | | *For >100 To 250, Deduct* | *-10.45* | |
| | | *For >250 To 500, Deduct* | *-17.72* | |
| | | *For >500, Deduct* | *-25.00* | |
| 26 51 19 00-0006 | EA | 24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30) | 168.48 | 31.10 |
| | | *For >50 To 100, Deduct* | *-5.51* | |
| | | *For >100 To 250, Deduct* | *-9.72* | |
| | | *For >250 To 500, Deduct* | *-16.85* | |
| | | *For >500, Deduct* | *-23.98* | |

### 26 51 19 00-0007 Surface Mount Linear/Striplight LED Fixtures *(26 51 19 00-0001)*

### 26 51 19 00-0008 Striplight LED Fixtures (Lithonia CLX) *(26 51 19 00-0007)*

Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0009 | EA | 2' Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 221.52 | 34.55 |
| 26 51 19 00-0010 | EA | 2' Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 227.46 | 34.55 |
| 26 51 19 00-0011 | EA | 4' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 262.77 | 42.15 |
| 26 51 19 00-0012 | EA | 4' Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 268.72 | 42.15 |
| 26 51 19 00-0013 | EA | 4' Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 274.67 | 42.15 |
| 26 51 19 00-0014 | EA | 4' Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 280.61 | 42.15 |
| 26 51 19 00-0015 | EA | 4' Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 286.57 | 42.15 |
| 26 51 19 00-0016 | EA | 8' Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 366.47 | 49.87 |
| 26 51 19 00-0017 | EA | 8' Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 378.36 | 49.87 |
| 26 51 19 00-0018 | EA | 8' Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 391.74 | 49.87 |
| 26 51 19 00-0019 | EA | 8' Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 403.64 | 49.87 |
| 26 51 19 00-0020 | EA | 8' Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 417.02 | 49.87 |
| 26 51 19 00-0021 | EA | 8' Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX)<br>Note: With integral occupancy sensor | 428.92 | 49.87 |

### 26 51 19 00-0022 Striplight LED Fixtures (Lithonia ZL) *(26 51 19 00-0007)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0023 | EA | 3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1) | 219.18 | 34.55 |
| | | *For >50 To 100, Deduct* | *-6.78* | |
| | | *For >100 To 250, Deduct* | *-12.25* | |
| | | *For >250 To 500, Deduct* | *-21.92* | |
| | | *For >500, Deduct* | *-31.58* | |
| 26 51 19 00-0024 | EA | 2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1) | 230.70 | 42.15 |
| | | *For >50 To 100, Deduct* | *-7.35* | |
| | | *For >100 To 250, Deduct* | *-13.12* | |
| | | *For >250 To 500, Deduct* | *-23.07* | |
| | | *For >500, Deduct* | *-33.02* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0025 | EA | 1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2) | 243.56 | 34.55 |
| | | *For >50 To 100, Deduct* | *-7.38* | |
| | | *For >100 To 250, Deduct* | *-13.47* | |
| | | *For >250 To 500, Deduct* | *-24.36* | |
| | | *For >500, Deduct* | *-35.24* | |
| 26 51 19 00-0026 | EA | 2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2) | 255.08 | 42.15 |
| | | *For >50 To 100, Deduct* | *-7.96* | |
| | | *For >100 To 250, Deduct* | *-14.34* | |
| | | *For >250 To 500, Deduct* | *-25.51* | |
| | | *For >500, Deduct* | *-36.68* | |
| 26 51 19 00-0027 | EA | 4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2) | 317.16 | 42.15 |
| | | *For >50 To 100, Deduct* | *-9.51* | |
| | | *For >100 To 250, Deduct* | *-17.44* | |
| | | *For >250 To 500, Deduct* | *-31.72* | |
| | | *For >500, Deduct* | *-45.99* | |
| **26 51 19 00-0028** | | **Striplight LED Fixtures (Lithonia TZL1D)** *(26 51 19 00-0007)* | | |
| 26 51 19 00-0029 | EA | 8,077 Lumens, 60 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 30K 80CRI) | 428.52 | 49.87 |
| | | *For >50 To 100, Deduct* | *-12.58* | |
| | | *For >100 To 250, Deduct* | *-23.30* | |
| | | *For >250 To 500, Deduct* | *-42.85* | |
| | | *For >500, Deduct* | *-62.41* | |
| 26 51 19 00-0030 | EA | 8,257 Lumens, 60 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 35K 80CRI) | 428.52 | 49.87 |
| | | *For >50 To 100, Deduct* | *-12.58* | |
| | | *For >100 To 250, Deduct* | *-23.30* | |
| | | *For >250 To 500, Deduct* | *-42.85* | |
| | | *For >500, Deduct* | *-62.41* | |
| 26 51 19 00-0031 | EA | 8,386 Lumens, 60 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 40K 80CRI) | 428.52 | 49.87 |
| | | *For >50 To 100, Deduct* | *-12.58* | |
| | | *For >100 To 250, Deduct* | *-23.30* | |
| | | *For >250 To 500, Deduct* | *-42.85* | |
| | | *For >500, Deduct* | *-62.41* | |
| 26 51 19 00-0032 | EA | 8,694 Lumens, 60 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 50K 80CRI) | 428.52 | 49.87 |
| | | *For >50 To 100, Deduct* | *-12.58* | |
| | | *For >100 To 250, Deduct* | *-23.30* | |
| | | *For >250 To 500, Deduct* | *-42.85* | |
| | | *For >500, Deduct* | *-62.41* | |
| 26 51 19 00-0033 | EA | 11,021 Lumens, 81 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 30K 80CRI) | 451.13 | 49.87 |
| | | *For >50 To 100, Deduct* | *-13.15* | |
| | | *For >100 To 250, Deduct* | *-24.43* | |
| | | *For >250 To 500, Deduct* | *-45.11* | |
| | | *For >500, Deduct* | *-65.80* | |
| 26 51 19 00-0034 | EA | 11,267 Lumens, 81 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 35K 80CRI) | 451.13 | 49.87 |
| | | *For >50 To 100, Deduct* | *-13.15* | |
| | | *For >100 To 250, Deduct* | *-24.43* | |
| | | *For >250 To 500, Deduct* | *-45.11* | |
| | | *For >500, Deduct* | *-65.80* | |
| 26 51 19 00-0035 | EA | 11,442 Lumens, 81 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 40K 80CRI) | 451.13 | 49.87 |
| | | *For >50 To 100, Deduct* | *-13.15* | |
| | | *For >100 To 250, Deduct* | *-24.43* | |
| | | *For >250 To 500, Deduct* | *-45.11* | |
| | | *For >500, Deduct* | *-65.80* | |
| 26 51 19 00-0036 | EA | 11,864 Lumens, 81 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 50K 80CRI) | 451.13 | 49.87 |
| | | *For >50 To 100, Deduct* | *-13.15* | |
| | | *For >100 To 250, Deduct* | *-24.43* | |
| | | *For >250 To 500, Deduct* | *-45.11* | |
| | | *For >500, Deduct* | *-65.80* | |
| 26 51 19 00-0037 | EA | 15,397 Lumens, 121 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 30K 80CRI) | 473.86 | 49.87 |
| | | *For >50 To 100, Deduct* | *-13.72* | |
| | | *For >100 To 250, Deduct* | *-25.56* | |
| | | *For >250 To 500, Deduct* | *-47.39* | |
| | | *For >500, Deduct* | *-69.21* | |
| 26 51 19 00-0038 | EA | 15,741 Lumens, 121 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 35K 80CRI) | 473.86 | 49.87 |
| | | *For >50 To 100, Deduct* | *-13.72* | |
| | | *For >100 To 250, Deduct* | *-25.56* | |
| | | *For >250 To 500, Deduct* | *-47.39* | |
| | | *For >500, Deduct* | *-69.21* | |
| 26 51 19 00-0039 | EA | 15,986 Lumens, 121 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 40K 80CRI) | 473.86 | 49.87 |
| | | *For >50 To 100, Deduct* | *-13.72* | |
| | | *For >100 To 250, Deduct* | *-25.56* | |
| | | *For >250 To 500, Deduct* | *-47.39* | |
| | | *For >500, Deduct* | *-69.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0040 | EA | 16,574 Lumens, 121 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 50K 80CRI) | 473.86 | 49.87 |
| | | *For >50 To 100, Deduct* | *-13.72* | |
| | | *For >100 To 250, Deduct* | *-25.56* | |
| | | *For >250 To 500, Deduct* | *-47.39* | |
| | | *For >500, Deduct* | *-69.21* | |

## 26 51 19 00-0041 Striplight LED Fixtures (Lithonia ZL1D) *(26 51 19 00-0007)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0042 | EA | 1,985 Lumens, 17 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 30K 80CRI) | 176.53 | 34.55 |
| | | *For >50 To 100, Deduct* | *-5.71* | |
| | | *For >100 To 250, Deduct* | *-10.12* | |
| | | *For >250 To 500, Deduct* | *-17.65* | |
| | | *For >500, Deduct* | *-25.18* | |
| 26 51 19 00-0043 | EA | 2,030 Lumens, 17 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 35K 80CRI) | 176.53 | 34.55 |
| | | *For >50 To 100, Deduct* | *-5.71* | |
| | | *For >100 To 250, Deduct* | *-10.12* | |
| | | *For >250 To 500, Deduct* | *-17.65* | |
| | | *For >500, Deduct* | *-25.18* | |
| 26 51 19 00-0044 | EA | 2,061 Lumens, 17 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 40K 80CRI) | 176.53 | 34.55 |
| | | *For >50 To 100, Deduct* | *-5.71* | |
| | | *For >100 To 250, Deduct* | *-10.12* | |
| | | *For >250 To 500, Deduct* | *-17.65* | |
| | | *For >500, Deduct* | *-25.18* | |
| 26 51 19 00-0045 | EA | 2,137 Lumens, 17 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 50K 80CRI) | 176.53 | 34.55 |
| | | *For >50 To 100, Deduct* | *-5.71* | |
| | | *For >100 To 250, Deduct* | *-10.12* | |
| | | *For >250 To 500, Deduct* | *-17.65* | |
| | | *For >500, Deduct* | *-25.18* | |
| 26 51 19 00-0046 | EA | 2,682 Lumens, 22 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 30K 80CRI) | 199.26 | 34.55 |
| | | *For >50 To 100, Deduct* | *-6.28* | |
| | | *For >100 To 250, Deduct* | *-11.26* | |
| | | *For >250 To 500, Deduct* | *-19.93* | |
| | | *For >500, Deduct* | *-28.59* | |
| 26 51 19 00-0047 | EA | 2,742 Lumens, 22 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 35K 80CRI) | 199.26 | 34.55 |
| | | *For >50 To 100, Deduct* | *-6.28* | |
| | | *For >100 To 250, Deduct* | *-11.26* | |
| | | *For >250 To 500, Deduct* | *-19.93* | |
| | | *For >500, Deduct* | *-28.59* | |
| 26 51 19 00-0048 | EA | 2,785 Lumens, 22 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 40K 80CRI) | 199.26 | 34.55 |
| | | *For >50 To 100, Deduct* | *-6.28* | |
| | | *For >100 To 250, Deduct* | *-11.26* | |
| | | *For >250 To 500, Deduct* | *-19.93* | |
| | | *For >500, Deduct* | *-28.59* | |
| 26 51 19 00-0049 | EA | 2,887 Lumens, 22 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 50K 80CRI) | 199.26 | 34.55 |
| | | *For >50 To 100, Deduct* | *-6.28* | |
| | | *For >100 To 250, Deduct* | *-11.26* | |
| | | *For >250 To 500, Deduct* | *-19.93* | |
| | | *For >500, Deduct* | *-28.59* | |
| 26 51 19 00-0050 | EA | 4,099 Lumens, 36 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 30K 80CRI) | 210.55 | 34.55 |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100 To 250, Deduct* | *-11.82* | |
| | | *For >250 To 500, Deduct* | *-21.06* | |
| | | *For >500, Deduct* | *-30.29* | |
| 26 51 19 00-0051 | EA | 4,190 Lumens, 36 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 35K 80CRI) | 210.55 | 34.55 |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100 To 250, Deduct* | *-11.82* | |
| | | *For >250 To 500, Deduct* | *-21.06* | |
| | | *For >500, Deduct* | *-30.29* | |
| 26 51 19 00-0052 | EA | 4,255 Lumens, 36 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 40K 80CRI) | 210.55 | 34.55 |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100 To 250, Deduct* | *-11.82* | |
| | | *For >250 To 500, Deduct* | *-21.06* | |
| | | *For >500, Deduct* | *-30.29* | |
| 26 51 19 00-0053 | EA | 4,412 Lumens, 36 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 50K 80CRI) | 210.55 | 34.55 |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100 To 250, Deduct* | *-11.82* | |
| | | *For >250 To 500, Deduct* | *-21.06* | |
| | | *For >500, Deduct* | *-30.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0054 | EA | 3,880 Lumens, 30 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 30K 80CRI) | 240.18 | 42.15 |
| | | *For >50 To 100, Deduct* | *-7.59* | |
| | | *For >100 To 250, Deduct* | *-13.59* | |
| | | *For >250 To 500, Deduct* | *-24.02* | |
| | | *For >500, Deduct* | *-34.44* | |
| 26 51 19 00-0055 | EA | 3,966 Lumens, 30 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 35K 80CRI) | 240.18 | 42.15 |
| | | *For >50 To 100, Deduct* | *-7.59* | |
| | | *For >100 To 250, Deduct* | *-13.59* | |
| | | *For >250 To 500, Deduct* | *-24.02* | |
| | | *For >500, Deduct* | *-34.44* | |
| 26 51 19 00-0056 | EA | 4,028 Lumens, 30 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 40K 80CRI) | 240.18 | 42.15 |
| | | *For >50 To 100, Deduct* | *-7.59* | |
| | | *For >100 To 250, Deduct* | *-13.59* | |
| | | *For >250 To 500, Deduct* | *-24.02* | |
| | | *For >500, Deduct* | *-34.44* | |
| 26 51 19 00-0057 | EA | 4,176 Lumens, 30 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 50K 80CRI) | 240.18 | 42.15 |
| | | *For >50 To 100, Deduct* | *-7.59* | |
| | | *For >100 To 250, Deduct* | *-13.59* | |
| | | *For >250 To 500, Deduct* | *-24.02* | |
| | | *For >500, Deduct* | *-34.44* | |
| 26 51 19 00-0058 | EA | 5,337 Lumens, 41 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 30K 80CRI) | 251.48 | 42.15 |
| | | *For >50 To 100, Deduct* | *-7.87* | |
| | | *For >100 To 250, Deduct* | *-14.16* | |
| | | *For >250 To 500, Deduct* | *-25.15* | |
| | | *For >500, Deduct* | *-36.14* | |
| 26 51 19 00-0059 | EA | 5,456 Lumens, 41 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 35K 80CRI) | 251.48 | 42.15 |
| | | *For >50 To 100, Deduct* | *-7.87* | |
| | | *For >100 To 250, Deduct* | *-14.16* | |
| | | *For >250 To 500, Deduct* | *-25.15* | |
| | | *For >500, Deduct* | *-36.14* | |
| 26 51 19 00-0060 | EA | 5,541 Lumens, 41 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 40K 80CRI) | 251.48 | 42.15 |
| | | *For >50 To 100, Deduct* | *-7.87* | |
| | | *For >100 To 250, Deduct* | *-14.16* | |
| | | *For >250 To 500, Deduct* | *-25.15* | |
| | | *For >500, Deduct* | *-36.14* | |
| 26 51 19 00-0061 | EA | 5,745 Lumens, 41 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 50K 80CRI) | 251.48 | 42.15 |
| | | *For >50 To 100, Deduct* | *-7.87* | |
| | | *For >100 To 250, Deduct* | *-14.16* | |
| | | *For >250 To 500, Deduct* | *-25.15* | |
| | | *For >500, Deduct* | *-36.14* | |
| 26 51 19 00-0062 | EA | 7,317 Lumens, 59 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 30K 80CRI) | 262.79 | 42.15 |
| | | *For >50 To 100, Deduct* | *-8.15* | |
| | | *For >100 To 250, Deduct* | *-14.72* | |
| | | *For >250 To 500, Deduct* | *-26.28* | |
| | | *For >500, Deduct* | *-37.84* | |
| 26 51 19 00-0063 | EA | 7,480 Lumens, 59 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 35K 80CRI) | 262.79 | 42.15 |
| | | *For >50 To 100, Deduct* | *-8.15* | |
| | | *For >100 To 250, Deduct* | *-14.72* | |
| | | *For >250 To 500, Deduct* | *-26.28* | |
| | | *For >500, Deduct* | *-37.84* | |
| 26 51 19 00-0064 | EA | 7,596 Lumens, 59 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 40K 80CRI) | 262.79 | 42.15 |
| | | *For >50 To 100, Deduct* | *-8.15* | |
| | | *For >100 To 250, Deduct* | *-14.72* | |
| | | *For >250 To 500, Deduct* | *-26.28* | |
| | | *For >500, Deduct* | *-37.84* | |
| 26 51 19 00-0065 | EA | 7,876 Lumens, 59 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 50K 80CRI) | 262.79 | 42.15 |
| | | *For >50 To 100, Deduct* | *-8.15* | |
| | | *For >100 To 250, Deduct* | *-14.72* | |
| | | *For >250 To 500, Deduct* | *-26.28* | |
| | | *For >500, Deduct* | *-37.84* | |
| 26 51 19 00-0066 | | Striplight LED Fixtures (Mobern) *(26 51 19 00-0007)* | | |
| 26 51 19 00-0067 | EA | 1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30) | 227.38 | 34.55 |
| | | *For >50 To 100, Deduct* | *-6.98* | |
| | | *For >100 To 250, Deduct* | *-12.66* | |
| | | *For >250 To 500, Deduct* | *-22.74* | |
| | | *For >500, Deduct* | *-32.81* | |
| 26 51 19 00-0068 | | Striplight LED Fixtures (Eaton) *(26 51 19 00-0007)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0069 | EA | 2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U) | 289.19 | 42.15 |
| | | *For >50 To 100, Deduct* | *-8.81* | |
| | | *For >100 To 250, Deduct* | *-16.04* | |
| | | *For >250 To 500, Deduct* | *-28.92* | |
| | | *For >500, Deduct* | *-41.80* | |
| 26 51 19 00-0070 | EA | 2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U) | 272.72 | 42.15 |
| | | *For >50 To 100, Deduct* | *-8.40* | |
| | | *For >100 To 250, Deduct* | *-15.22* | |
| | | *For >250 To 500, Deduct* | *-27.27* | |
| | | *For >500, Deduct* | *-39.32* | |
| 26 51 19 00-0071 | EA | 2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U) | 289.19 | 42.15 |
| | | *For >50 To 100, Deduct* | *-8.81* | |
| | | *For >100 To 250, Deduct* | *-16.04* | |
| | | *For >250 To 500, Deduct* | *-28.92* | |
| | | *For >500, Deduct* | *-41.80* | |

## 26 51 19 00-0072 Suspended Linear LED Fixtures *(26 51 19 00-0001)*

## 26 51 19 00-0073 Suspended, Pendant Mounted, Linear LED Fixtures (Lithonia GRD) *(26 51 19 00-0072)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0074 | EA | 3,303 Lumens, 25 Watt, 4' Length, 3000K CCT, 4' Length, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID800LMF) | 735.49 | 42.15 |
| | | *For >50 To 100, Deduct* | *-19.97* | |
| | | *For >100 To 250, Deduct* | *-38.36* | |
| | | *For >250 To 500, Deduct* | *-73.55* | |
| | | *For >500, Deduct* | *-108.74* | |
| 26 51 19 00-0075 | EA | 3,401 Lumens, 25 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID800LMF) | 735.49 | 42.15 |
| | | *For >50 To 100, Deduct* | *-19.97* | |
| | | *For >100 To 250, Deduct* | *-38.36* | |
| | | *For >250 To 500, Deduct* | *-73.55* | |
| | | *For >500, Deduct* | *-108.74* | |
| 26 51 19 00-0076 | EA | 3,456 Lumens, 25 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID800LMF) | 735.49 | 42.15 |
| | | *For >50 To 100, Deduct* | *-19.97* | |
| | | *For >100 To 250, Deduct* | *-38.36* | |
| | | *For >250 To 500, Deduct* | *-73.55* | |
| | | *For >500, Deduct* | *-108.74* | |
| 26 51 19 00-0077 | EA | 4,033 Lumens, 32 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1000LMF) | 735.49 | 42.15 |
| | | *For >50 To 100, Deduct* | *-19.97* | |
| | | *For >100 To 250, Deduct* | *-38.36* | |
| | | *For >250 To 500, Deduct* | *-73.55* | |
| | | *For >500, Deduct* | *-108.74* | |
| 26 51 19 00-0078 | EA | 4,153 Lumens, 32 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1000LMF) | 735.49 | 42.15 |
| | | *For >50 To 100, Deduct* | *-19.97* | |
| | | *For >100 To 250, Deduct* | *-38.36* | |
| | | *For >250 To 500, Deduct* | *-73.55* | |
| | | *For >500, Deduct* | *-108.74* | |
| 26 51 19 00-0079 | EA | 4,220 Lumens, 32 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1000LMF) | 735.49 | 42.15 |
| | | *For >50 To 100, Deduct* | *-19.97* | |
| | | *For >100 To 250, Deduct* | *-38.36* | |
| | | *For >250 To 500, Deduct* | *-73.55* | |
| | | *For >500, Deduct* | *-108.74* | |
| 26 51 19 00-0080 | EA | 4,843 Lumens, 40 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1300LMF) | 735.49 | 42.15 |
| | | *For >50 To 100, Deduct* | *-19.97* | |
| | | *For >100 To 250, Deduct* | *-38.36* | |
| | | *For >250 To 500, Deduct* | *-73.55* | |
| | | *For >500, Deduct* | *-108.74* | |
| 26 51 19 00-0081 | EA | 4,987 Lumens, 40 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1300LMF) | 735.49 | 42.15 |
| | | *For >50 To 100, Deduct* | *-19.97* | |
| | | *For >100 To 250, Deduct* | *-38.36* | |
| | | *For >250 To 500, Deduct* | *-73.55* | |
| | | *For >500, Deduct* | *-108.74* | |
| 26 51 19 00-0082 | EA | 5,067 Lumens, 40 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1300LMF) | 735.49 | 42.15 |
| | | *For >50 To 100, Deduct* | *-19.97* | |
| | | *For >100 To 250, Deduct* | *-38.36* | |
| | | *For >250 To 500, Deduct* | *-73.55* | |
| | | *For >500, Deduct* | *-108.74* | |
| 26 51 19 00-0083 | EA | 5,841 Lumens, 51 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1500LMF) | 735.49 | 42.15 |
| | | *For >50 To 100, Deduct* | *-19.97* | |
| | | *For >100 To 250, Deduct* | *-38.36* | |
| | | *For >250 To 500, Deduct* | *-73.55* | |
| | | *For >500, Deduct* | *-108.74* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0084 | EA | 6,015 Lumens, 51 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1500LMF) | 735.49 | 42.15 |
| | | *For >50 To 100, Deduct* | *-19.97* | |
| | | *For >100 To 250, Deduct* | *-38.36* | |
| | | *For >250 To 500, Deduct* | *-73.55* | |
| | | *For >500, Deduct* | *-108.74* | |
| 26 51 19 00-0085 | EA | 6,111 Lumens, 51 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1500LMF) | 735.49 | 42.15 |
| | | *For >50 To 100, Deduct* | *-19.97* | |
| | | *For >100 To 250, Deduct* | *-38.36* | |
| | | *For >250 To 500, Deduct* | *-73.55* | |
| | | *For >500, Deduct* | *-108.74* | |
| 26 51 19 00-0086 | EA | 6,606 Lumens, 50 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID800LMF) | 1,096.77 | 49.87 |
| | | *For >50 To 100, Deduct* | *-29.29* | |
| | | *For >100 To 250, Deduct* | *-56.71* | |
| | | *For >250 To 500, Deduct* | *-109.68* | |
| | | *For >500, Deduct* | *-162.64* | |
| 26 51 19 00-0087 | EA | 6,802 Lumens, 50 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID800LMF) | 1,096.77 | 49.87 |
| | | *For >50 To 100, Deduct* | *-29.29* | |
| | | *For >100 To 250, Deduct* | *-56.71* | |
| | | *For >250 To 500, Deduct* | *-109.68* | |
| | | *For >500, Deduct* | *-162.64* | |
| 26 51 19 00-0088 | EA | 6,912 Lumens, 50 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID800LMF) | 1,096.77 | 49.87 |
| | | *For >50 To 100, Deduct* | *-29.29* | |
| | | *For >100 To 250, Deduct* | *-56.71* | |
| | | *For >250 To 500, Deduct* | *-109.68* | |
| | | *For >500, Deduct* | *-162.64* | |
| 26 51 19 00-0089 | EA | 8,066 Lumens, 64 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1000LMF) | 1,096.77 | 49.87 |
| | | *For >50 To 100, Deduct* | *-29.29* | |
| | | *For >100 To 250, Deduct* | *-56.71* | |
| | | *For >250 To 500, Deduct* | *-109.68* | |
| | | *For >500, Deduct* | *-162.64* | |
| 26 51 19 00-0090 | EA | 8,303 Lumens, 64 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1000LMF) | 1,096.77 | 49.87 |
| | | *For >50 To 100, Deduct* | *-29.29* | |
| | | *For >100 To 250, Deduct* | *-56.71* | |
| | | *For >250 To 500, Deduct* | *-109.68* | |
| | | *For >500, Deduct* | *-162.64* | |
| 26 51 19 00-0091 | EA | 8,440 Lumens, 64 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1000LMF) | 1,096.77 | 49.87 |
| | | *For >50 To 100, Deduct* | *-29.29* | |
| | | *For >100 To 250, Deduct* | *-56.71* | |
| | | *For >250 To 500, Deduct* | *-109.68* | |
| | | *For >500, Deduct* | *-162.64* | |
| 26 51 19 00-0092 | EA | 9,686 Lumens, 80 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1300LMF) | 1,096.77 | 49.87 |
| | | *For >50 To 100, Deduct* | *-29.29* | |
| | | *For >100 To 250, Deduct* | *-56.71* | |
| | | *For >250 To 500, Deduct* | *-109.68* | |
| | | *For >500, Deduct* | *-162.64* | |
| 26 51 19 00-0093 | EA | 9,974 Lumens, 80 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1300LMF) | 1,096.77 | 49.87 |
| | | *For >50 To 100, Deduct* | *-29.29* | |
| | | *For >100 To 250, Deduct* | *-56.71* | |
| | | *For >250 To 500, Deduct* | *-109.68* | |
| | | *For >500, Deduct* | *-162.64* | |
| 26 51 19 00-0094 | EA | 10,134 Lumens, 80 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1300LMF) | 1,096.77 | 49.87 |
| | | *For >50 To 100, Deduct* | *-29.29* | |
| | | *For >100 To 250, Deduct* | *-56.71* | |
| | | *For >250 To 500, Deduct* | *-109.68* | |
| | | *For >500, Deduct* | *-162.64* | |
| 26 51 19 00-0095 | EA | 11,682 Lumens, 102 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1500LMF) | 1,096.77 | 49.87 |
| | | *For >50 To 100, Deduct* | *-29.29* | |
| | | *For >100 To 250, Deduct* | *-56.71* | |
| | | *For >250 To 500, Deduct* | *-109.68* | |
| | | *For >500, Deduct* | *-162.64* | |
| 26 51 19 00-0096 | EA | 12,030 Lumens, 102 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1500LMF) | 1,096.77 | 49.87 |
| | | *For >50 To 100, Deduct* | *-29.29* | |
| | | *For >100 To 250, Deduct* | *-56.71* | |
| | | *For >250 To 500, Deduct* | *-109.68* | |
| | | *For >500, Deduct* | *-162.64* | |
| 26 51 19 00-0097 | EA | 12,222 Lumens, 102 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1500LMF) | 1,096.77 | 49.87 |
| | | *For >50 To 100, Deduct* | *-29.29* | |
| | | *For >100 To 250, Deduct* | *-56.71* | |
| | | *For >250 To 500, Deduct* | *-109.68* | |
| | | *For >500, Deduct* | *-162.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 26 51 19 00-0098 Suspended Linear LED Fixtures (Lithonia GRD) *(26 51 19 00-0072)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0099 | EA | 24' Length, 8' Sections, 80 CRI, 3,500K, LED Linear Fixture (Lithonia GRD 24FT MSL8 80 CRI 35K ID800LMF 20/80 MIN1 ZT 120 SCT PDT) | 1,984.75 | 190.04 |

## 26 51 19 00-0100 Lay-In/Troffer LED Fixtures *(26 51 19 00-0001)*

## 26 51 19 00-0101 Prismatic Lensed, Lay-In/Troffer LED Fixtures *(26 51 19 00-0100)*

## 26 51 19 00-0102 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0101)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0103 | EA | 1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4) | 612.25 | 41.81 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *46.45* | |
| | | *For >50 To 100, Deduct* | *-16.89* | |
| | | *For >100 To 250, Deduct* | *-32.20* | |
| | | *For >250 To 500, Deduct* | *-61.23* | |
| | | *For >500, Deduct* | *-90.25* | |
| 26 51 19 00-0104 | EA | 2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2) | 334.76 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| | | *For >50 To 100, Deduct* | *-10.10* | |
| | | *For >100 To 250, Deduct* | *-18.47* | |
| | | *For >250 To 500, Deduct* | *-33.48* | |
| | | *For >500, Deduct* | *-48.49* | |
| 26 51 19 00-0105 | EA | 2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4) | 617.73 | 53.67 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *51.04* | |
| | | *For >50 To 100, Deduct* | *-17.46* | |
| | | *For >100 To 250, Deduct* | *-32.90* | |
| | | *For >250 To 500, Deduct* | *-61.77* | |
| | | *For >500, Deduct* | *-90.64* | |

## 26 51 19 00-0106 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) *(26 51 19 00-0101)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0107 | EA | 1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4) | 883.09 | 41.81 |
| | | *For >50 To 100, Deduct* | *-23.66* | |
| | | *For >100 To 250, Deduct* | *-45.74* | |
| | | *For >250 To 500, Deduct* | *-88.31* | |
| | | *For >500, Deduct* | *-130.88* | |
| 26 51 19 00-0108 | EA | 2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5) | 620.47 | 46.07 |
| | | *For >50 To 100, Deduct* | *-17.24* | |
| | | *For >100 To 250, Deduct* | *-32.75* | |
| | | *For >250 To 500, Deduct* | *-62.05* | |
| | | *For >500, Deduct* | *-91.34* | |
| 26 51 19 00-0109 | EA | 2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4) | 808.58 | 53.67 |
| | | *For >50 To 100, Deduct* | *-22.23* | |
| | | *For >100 To 250, Deduct* | *-42.44* | |
| | | *For >250 To 500, Deduct* | *-80.86* | |
| | | *For >500, Deduct* | *-119.27* | |

## 26 51 19 00-0110 Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) *(26 51 19 00-0101)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0111 | EA | 2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E) | 408.09 | 46.07 |
| | | *For >50 To 100, Deduct* | *-11.93* | |
| | | *For >100 To 250, Deduct* | *-22.13* | |
| | | *For >250 To 500, Deduct* | *-40.81* | |
| | | *For >500, Deduct* | *-59.49* | |
| 26 51 19 00-0112 | EA | 3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E) | 451.82 | 46.07 |
| | | *For >50 To 100, Deduct* | *-13.02* | |
| | | *For >100 To 250, Deduct* | *-24.32* | |
| | | *For >250 To 500, Deduct* | *-45.18* | |
| | | *For >500, Deduct* | *-66.05* | |
| 26 51 19 00-0113 | EA | 3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40) | 384.03 | 46.07 |
| | | *For >50 To 100, Deduct* | *-11.33* | |
| | | *For >100 To 250, Deduct* | *-20.93* | |
| | | *For >250 To 500, Deduct* | *-38.40* | |
| | | *For >500, Deduct* | *-55.88* | |
| 26 51 19 00-0114 | EA | 4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45) | 384.03 | 46.07 |
| | | *For >50 To 100, Deduct* | *-11.33* | |
| | | *For >100 To 250, Deduct* | *-20.93* | |
| | | *For >250 To 500, Deduct* | *-38.40* | |
| | | *For >500, Deduct* | *-55.88* | |
| 26 51 19 00-0115 | EA | 4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50) | 412.46 | 46.07 |
| | | *For >50 To 100, Deduct* | *-12.04* | |
| | | *For >100 To 250, Deduct* | *-22.35* | |
| | | *For >250 To 500, Deduct* | *-41.25* | |
| | | *For >500, Deduct* | *-60.14* | |

## 26 51 19 00-0116 Volumetric, Lay-In/Troffer LED Fixtures *(26 51 19 00-0100)*

## 26 51 19 00-0117 Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0116)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0118 | EA | 1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4) | 488.36 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| | | *For >50 To 100, Deduct* | *-13.79* | |
| | | *For >100 To 250, Deduct* | *-26.00* | |
| | | *For >250 To 500, Deduct* | *-48.84* | |
| | | *For >500, Deduct* | *-71.67* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0119 | EA | 1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4) | 693.64 | 41.81 |
| | | *For Drywall Or Plaster Ceilings, Add* | *28.51* | |
| | | *For >50 To 100, Deduct* | *-18.92* | |
| | | *For >100 To 250, Deduct* | *-36.27* | |
| | | *For >250 To 500, Deduct* | *-69.36* | |
| | | *For >500, Deduct* | *-102.46* | |
| 26 51 19 00-0120 | EA | 2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) | 539.37 | 46.07 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *44.25* | |
| | | *For >50 To 100, Deduct* | *-15.21* | |
| | | *For >100 To 250, Deduct* | *-28.70* | |
| | | *For >250 To 500, Deduct* | *-53.94* | |
| | | *For >500, Deduct* | *-79.18* | |
| 26 51 19 00-0121 | EA | 2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) | 619.37 | 46.07 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *48.25* | |
| | | *For >50 To 100, Deduct* | *-17.21* | |
| | | *For >100 To 250, Deduct* | *-32.70* | |
| | | *For >250 To 500, Deduct* | *-61.94* | |
| | | *For >500, Deduct* | *-91.18* | |
| 26 51 19 00-0122 | EA | 2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) | 683.38 | 46.07 |
| | | *For >50 To 100, Deduct* | *-18.81* | |
| | | *For >100 To 250, Deduct* | *-35.90* | |
| | | *For >250 To 500, Deduct* | *-68.34* | |
| | | *For >500, Deduct* | *-100.78* | |
| 26 51 19 00-0123 | EA | 2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) | 694.90 | 53.67 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *54.90* | |
| | | *For >50 To 100, Deduct* | *-19.39* | |
| | | *For >100 To 250, Deduct* | *-36.76* | |
| | | *For >250 To 500, Deduct* | *-69.49* | |
| | | *For >500, Deduct* | *-102.22* | |
| 26 51 19 00-0124 | EA | 2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) | 758.90 | 53.67 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *58.10* | |
| | | *For >50 To 100, Deduct* | *-20.99* | |
| | | *For >100 To 250, Deduct* | *-39.96* | |
| | | *For >250 To 500, Deduct* | *-75.89* | |
| | | *For >500, Deduct* | *-111.82* | |
| 26 51 19 00-0125 | EA | 2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) | 822.91 | 53.67 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *61.30* | |
| | | *For >50 To 100, Deduct* | *-22.59* | |
| | | *For >100 To 250, Deduct* | *-43.16* | |
| | | *For >250 To 500, Deduct* | *-82.29* | |
| | | *For >500, Deduct* | *-121.42* | |
| 26 51 19 00-0126 | EA | 2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2) | 475.38 | 46.07 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *41.05* | |
| | | *For >50 To 100, Deduct* | *-13.61* | |
| | | *For >100 To 250, Deduct* | *-25.50* | |
| | | *For >250 To 500, Deduct* | *-47.54* | |
| | | *For >500, Deduct* | *-69.58* | |
| 26 51 19 00-0127 | EA | 2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2) | 555.37 | 46.07 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *45.05* | |
| | | *For >50 To 100, Deduct* | *-15.61* | |
| | | *For >100 To 250, Deduct* | *-29.50* | |
| | | *For >250 To 500, Deduct* | *-55.54* | |
| | | *For >500, Deduct* | *-81.58* | |
| 26 51 19 00-0128 | EA | 2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2) | 603.37 | 46.07 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *47.45* | |
| | | *For >50 To 100, Deduct* | *-16.81* | |
| | | *For >100 To 250, Deduct* | *-31.90* | |
| | | *For >250 To 500, Deduct* | *-60.34* | |
| | | *For >500, Deduct* | *-88.78* | |
| 26 51 19 00-0129 | EA | 2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4) | 598.90 | 53.67 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *50.10* | |
| | | *For >50 To 100, Deduct* | *-16.99* | |
| | | *For >100 To 250, Deduct* | *-31.96* | |
| | | *For >250 To 500, Deduct* | *-59.89* | |
| | | *For >500, Deduct* | *-87.82* | |
| 26 51 19 00-0130 | EA | 2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4) | 630.89 | 53.67 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *51.70* | |
| | | *For >50 To 100, Deduct* | *-17.79* | |
| | | *For >100 To 250, Deduct* | *-33.56* | |
| | | *For >250 To 500, Deduct* | *-63.09* | |
| | | *For >500, Deduct* | *-92.62* | |
| 26 51 19 00-0131 | EA | 2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4) | 694.90 | 53.67 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *54.90* | |
| | | *For >50 To 100, Deduct* | *-19.39* | |
| | | *For >100 To 250, Deduct* | *-36.76* | |
| | | *For >250 To 500, Deduct* | *-69.49* | |
| | | *For >500, Deduct* | *-102.22* | |

26 51 19 00-0132 Architectural, Lay-In/Troffer LED Fixtures *(26 51 19 00-0100)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0133 | | **Architectural, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0132)*<br>Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors. | | |
| 26 51 19 00-0134 | EA | 2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) | 378.46 | 53.67 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *39.08* | |
| | | *For >50 To 100, Deduct* | *-11.48* | |
| | | *For >100 To 250, Deduct* | *-20.94* | |
| | | *For >250 To 500, Deduct* | *-37.85* | |
| | | *For >500, Deduct* | *-54.75* | |
| 26 51 19 00-0135 | EA | 4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) | 441.80 | 53.67 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *42.25* | |
| | | *For >50 To 100, Deduct* | *-13.06* | |
| | | *For >100 To 250, Deduct* | *-24.11* | |
| | | *For >250 To 500, Deduct* | *-44.18* | |
| | | *For >500, Deduct* | *-64.25* | |
| 26 51 19 00-0136 | EA | 6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) | 498.81 | 53.67 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *45.10* | |
| | | *For >50 To 100, Deduct* | *-14.49* | |
| | | *For >100 To 250, Deduct* | *-26.96* | |
| | | *For >250 To 500, Deduct* | *-49.88* | |
| | | *For >500, Deduct* | *-72.81* | |
| 26 51 19 00-0137 | | **Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series)** *(26 51 19 00-0132)*<br>Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors. | | |
| 26 51 19 00-0138 | EA | 1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) | 499.00 | 53.67 |
| | | *For Expanded Size Junction Box For Through Wiring, Add* | *5.34* | |
| | | *For Drywall Or Plaster Ceilings, Add* | *153.11* | |
| | | *For Surface Mount, Add* | *271.71* | |
| | | *For >50 To 100, Deduct* | *-14.49* | |
| | | *For >100 To 250, Deduct* | *-26.97* | |
| | | *For >250 To 500, Deduct* | *-49.90* | |
| | | *For >500, Deduct* | *-72.83* | |
| 26 51 19 00-0139 | EA | 1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) | 539.06 | 53.67 |
| | | *For Expanded Size Junction Box For Through Wiring, Add* | *5.34* | |
| | | *For Drywall Or Plaster Ceilings, Add* | *153.11* | |
| | | *For Surface Mount, Add* | *271.71* | |
| | | *For >50 To 100, Deduct* | *-15.49* | |
| | | *For >100 To 250, Deduct* | *-28.97* | |
| | | *For >250 To 500, Deduct* | *-53.91* | |
| | | *For >500, Deduct* | *-78.84* | |
| 26 51 19 00-0140 | EA | 1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) | 539.06 | 53.67 |
| | | *For Expanded Size Junction Box For Through Wiring, Add* | *5.34* | |
| | | *For Drywall Or Plaster Ceilings, Add* | *153.11* | |
| | | *For Surface Mount, Add* | *271.71* | |
| | | *For >50 To 100, Deduct* | *-15.49* | |
| | | *For >100 To 250, Deduct* | *-28.97* | |
| | | *For >250 To 500, Deduct* | *-53.91* | |
| | | *For >500, Deduct* | *-78.84* | |
| 26 51 19 00-0141 | EA | 1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) | 598.18 | 53.67 |
| | | *For Expanded Size Junction Box For Through Wiring, Add* | *5.34* | |
| | | *For Drywall Or Plaster Ceilings, Add* | *153.11* | |
| | | *For Surface Mount, Add* | *271.71* | |
| | | *For >50 To 100, Deduct* | *-16.97* | |
| | | *For >100 To 250, Deduct* | *-31.92* | |
| | | *For >250 To 500, Deduct* | *-59.82* | |
| | | *For >500, Deduct* | *-87.71* | |
| 26 51 19 00-0142 | EA | 2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)<br>Note: CCT 30K to 50K | 464.82 | 46.07 |
| | | *For Expanded Size Junction Box For Through Wiring, Add* | *5.34* | |
| | | *For Drywall Or Plaster Ceilings, Add* | *133.96* | |
| | | *For Surface Mount, Add* | *256.05* | |
| | | *For >50 To 100, Deduct* | *-13.35* | |
| | | *For >100 To 250, Deduct* | *-24.97* | |
| | | *For >250 To 500, Deduct* | *-46.48* | |
| | | *For >500, Deduct* | *-68.00* | |
| 26 51 19 00-0143 | EA | 2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)<br>Note: CCT 30K to 50K | 437.89 | 46.07 |
| | | *For Expanded Size Junction Box For Through Wiring, Add* | *5.34* | |
| | | *For Drywall Or Plaster Ceilings, Add* | *133.96* | |
| | | *For Surface Mount, Add* | *256.05* | |
| | | *For >50 To 100, Deduct* | *-12.68* | |
| | | *For >100 To 250, Deduct* | *-23.62* | |
| | | *For >250 To 500, Deduct* | *-43.79* | |
| | | *For >500, Deduct* | *-63.96* | |
| 26 51 19 00-0144 | EA | 2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)<br>Note: CCT 30K to 50K | 521.22 | 53.67 |
| | | *For Expanded Size Junction Box For Through Wiring, Add* | *5.34* | |
| | | *For Drywall Or Plaster Ceilings, Add* | *156.92* | |
| | | *For Surface Mount, Add* | *296.51* | |
| | | *For >50 To 100, Deduct* | *-15.05* | |
| | | *For >100 To 250, Deduct* | *-28.08* | |
| | | *For >250 To 500, Deduct* | *-52.12* | |
| | | *For >500, Deduct* | *-76.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0145 | EA | 2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)<br>Note: CCT 30K to 50K | 539.06 | 53.67 |
| | | *For Expanded Size Junction Box For Through Wiring, Add* | *5.34* | |
| | | *For Drywall Or Plaster Ceilings, Add* | *156.92* | |
| | | *For Surface Mount, Add* | *296.51* | |
| | | *For >50 To 100, Deduct* | *-15.49* | |
| | | *For >100 To 250, Deduct* | *-28.97* | |
| | | *For >250 To 500, Deduct* | *-53.91* | |
| | | *For >500, Deduct* | *-78.84* | |
| 26 51 19 00-0146 | EA | 2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)<br>Note: CCT 30K to 50K | 539.06 | 53.67 |
| | | *For Expanded Size Junction Box For Through Wiring, Add* | *5.34* | |
| | | *For Drywall Or Plaster Ceilings, Add* | *156.92* | |
| | | *For Surface Mount, Add* | *296.51* | |
| | | *For >50 To 100, Deduct* | *-15.49* | |
| | | *For >100 To 250, Deduct* | *-28.97* | |
| | | *For >250 To 500, Deduct* | *-53.91* | |
| | | *For >500, Deduct* | *-78.84* | |
| 26 51 19 00-0147 | EA | 2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™)<br>Note: CCT 30K to 50K | 689.73 | 53.67 |
| | | *For Expanded Size Junction Box For Through Wiring, Add* | *5.34* | |
| | | *For Drywall Or Plaster Ceilings, Add* | *156.92* | |
| | | *For Surface Mount, Add* | *296.51* | |
| | | *For >50 To 100, Deduct* | *-19.26* | |
| | | *For >100 To 250, Deduct* | *-36.50* | |
| | | *For >250 To 500, Deduct* | *-68.97* | |
| | | *For >500, Deduct* | *-101.44* | |
| 26 51 19 00-0148 | EA | 2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)<br>Note: CCT 30K to 50K | 598.18 | 53.67 |
| | | *For Expanded Size Junction Box For Through Wiring, Add* | *5.34* | |
| | | *For Drywall Or Plaster Ceilings, Add* | *156.92* | |
| | | *For Surface Mount, Add* | *296.51* | |
| | | *For >50 To 100, Deduct* | *-16.97* | |
| | | *For >100 To 250, Deduct* | *-31.92* | |
| | | *For >250 To 500, Deduct* | *-59.82* | |
| | | *For >500, Deduct* | *-87.71* | |

### 26 51 19 00-0149 Architectural, Lay-In/Troffer LED Fixtures (CREE® ZR Series) *(26 51 19 00-0132)*

Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0150 | EA | 1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR14-40L-35K-10V) | 325.23 | 54.13 |
| | | *For Drywall Or Plaster Ceilings, Add* | *153.11* | |
| | | *For >50 To 100, Deduct* | *-10.15* | |
| | | *For >100 To 250, Deduct* | *-18.28* | |
| | | *For >250 To 500, Deduct* | *-32.52* | |
| | | *For >500, Deduct* | *-46.77* | |
| | | *For Surface Mount, Add* | *206.86* | |
| 26 51 19 00-0151 | EA | 2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-40L-35K-10V) | 291.26 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *133.96* | |
| | | *For >50 To 100, Deduct* | *-9.01* | |
| | | *For >100 To 250, Deduct* | *-16.29* | |
| | | *For >250 To 500, Deduct* | *-29.13* | |
| | | *For >500, Deduct* | *-41.96* | |
| | | *For Surface Mount, Add* | *193.34* | |
| 26 51 19 00-0152 | EA | 2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-32LHE-35K-10V) | 964.43 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *133.96* | |
| | | *For >50 To 100, Deduct* | *-25.84* | |
| | | *For >100 To 250, Deduct* | *-49.95* | |
| | | *For >250 To 500, Deduct* | *-96.44* | |
| | | *For >500, Deduct* | *-142.94* | |
| | | *For Surface Mount, Add* | *193.34* | |
| 26 51 19 00-0153 | EA | 2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-40L-35K-10V) | 336.44 | 54.13 |
| | | *For Drywall Or Plaster Ceilings, Add* | *156.92* | |
| | | *For >50 To 100, Deduct* | *-10.43* | |
| | | *For >100 To 250, Deduct* | *-18.84* | |
| | | *For >250 To 500, Deduct* | *-33.64* | |
| | | *For >500, Deduct* | *-48.45* | |
| | | *For Surface Mount, Add* | *229.29* | |
| 26 51 19 00-0154 | EA | 2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-32LHE-35K-10V) | 1,200.34 | 54.13 |
| | | *For Drywall Or Plaster Ceilings, Add* | *156.92* | |
| | | *For >50 To 100, Deduct* | *-32.02* | |
| | | *For >100 To 250, Deduct* | *-62.03* | |
| | | *For >250 To 500, Deduct* | *-120.03* | |
| | | *For >500, Deduct* | *-178.04* | |
| | | *For Surface Mount, Add* | *229.29* | |
| 26 51 19 00-0155 | EA | 2' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-50L-40K-10V-FD) | 361.12 | 54.13 |
| | | *For Drywall Or Plaster Ceilings, Add* | *156.92* | |
| | | *For >50 To 100, Deduct* | *-11.04* | |
| | | *For >100 To 250, Deduct* | *-20.07* | |
| | | *For >250 To 500, Deduct* | *-36.11* | |
| | | *For >500, Deduct* | *-52.15* | |
| | | *For Surface Mount, Add* | *229.29* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0156 | EA | 1' x 4', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR14-40L-35K-CMA) | 414.97 | 54.13 |
| | | *For Drywall Or Plaster Ceilings, Add* | *153.11* | |
| | | *For >50 To 100, Deduct* | *-12.39* | |
| | | *For >100 To 250, Deduct* | *-22.76* | |
| | | *For >250 To 500, Deduct* | *-41.50* | |
| | | *For >500, Deduct* | *-60.23* | |
| | | *For Surface Mount, Add* | *206.86* | |
| 26 51 19 00-0157 | EA | 2' x 2', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-32L-35K-CMA) | 381.01 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *133.96* | |
| | | *For >50 To 100, Deduct* | *-11.25* | |
| | | *For >100 To 250, Deduct* | *-20.78* | |
| | | *For >250 To 500, Deduct* | *-38.10* | |
| | | *For >500, Deduct* | *-55.42* | |
| | | *For Surface Mount, Add* | *193.34* | |
| 26 51 19 00-0158 | EA | 2' x 4', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-40L-35K-CMA) | 426.20 | 54.13 |
| | | *For Drywall Or Plaster Ceilings, Add* | *156.92* | |
| | | *For >50 To 100, Deduct* | *-12.67* | |
| | | *For >100 To 250, Deduct* | *-23.33* | |
| | | *For >250 To 500, Deduct* | *-42.62* | |
| | | *For >500, Deduct* | *-61.91* | |
| | | *For Surface Mount, Add* | *229.29* | |

## 26 51 19 00-0159 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) *(26 51 19 00-0132)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0160 | EA | 2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC) | 272.05 | 46.07 |
| | | *For >50 To 100, Deduct* | *-8.53* | |
| | | *For >100 To 250, Deduct* | *-15.33* | |
| | | *For >250 To 500, Deduct* | *-27.21* | |
| | | *For >500, Deduct* | *-39.08* | |
| 26 51 19 00-0161 | EA | 2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC) | 360.14 | 53.67 |
| | | *For >50 To 100, Deduct* | *-11.02* | |
| | | *For >100 To 250, Deduct* | *-20.02* | |
| | | *For >250 To 500, Deduct* | *-36.01* | |
| | | *For >500, Deduct* | *-52.01* | |

## 26 51 19 00-0162 Architectural, Lay-In/Troffer LED Fixtures (Orion) *(26 51 19 00-0132)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0163 | EA | 2' x 2', 3,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-035L-L-UNV-FDX-840-22-1P-CT-M-LF) | 335.09 | 46.07 |
| | | *For >50 To 100, Deduct* | *-10.11* | |
| | | *For >100 To 250, Deduct* | *-18.48* | |
| | | *For >250 To 500, Deduct* | *-33.51* | |
| | | *For >500, Deduct* | *-48.54* | |
| 26 51 19 00-0164 | EA | 2' x 2', 4,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-041L-L-UNV-FDX-840-22-1P-CT-M-LF) | 347.29 | 46.07 |
| | | *For >50 To 100, Deduct* | *-10.41* | |
| | | *For >100 To 250, Deduct* | *-19.09* | |
| | | *For >250 To 500, Deduct* | *-34.73* | |
| | | *For >500, Deduct* | *-50.37* | |
| 26 51 19 00-0165 | EA | 2' x 4', 3,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-035L-L-UNV-FDX-840-24-1P-CT-M-LF) | 362.46 | 54.13 |
| | | *For >50 To 100, Deduct* | *-11.08* | |
| | | *For >100 To 250, Deduct* | *-20.14* | |
| | | *For >250 To 500, Deduct* | *-36.25* | |
| | | *For >500, Deduct* | *-52.35* | |
| 26 51 19 00-0166 | EA | 2' x 4', 4,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-041L-L-UNV-FDX-840-24-1P-CT-M-LF) | 374.66 | 54.13 |
| | | *For >50 To 100, Deduct* | *-11.38* | |
| | | *For >100 To 250, Deduct* | *-20.75* | |
| | | *For >250 To 500, Deduct* | *-37.47* | |
| | | *For >500, Deduct* | *-54.18* | |

## 26 51 19 00-0167 Architectural, Lay-In/Troffer LED Fixtures (Everlast) *(26 51 19 00-0132)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0168 | EA | 2' x 2', 4,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Everlast EL-LED-MQ) | 447.45 | 46.07 |
| | | *For >50 To 100, Deduct* | *-12.91* | |
| | | *For >100 To 250, Deduct* | *-24.10* | |
| | | *For >250 To 500, Deduct* | *-44.75* | |
| | | *For >500, Deduct* | *-65.39* | |
| 26 51 19 00-0169 | EA | 2' x 4', 10,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Everlast EL-LED-MQ) | 747.65 | 54.13 |
| | | *For >50 To 100, Deduct* | *-20.71* | |
| | | *For >100 To 250, Deduct* | *-39.40* | |
| | | *For >250 To 500, Deduct* | *-74.77* | |
| | | *For >500, Deduct* | *-110.13* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 51 19 00-0170** | | **Architectural, Lay-In/Troffer LED Fixtures (Finelite)** *(26 51 19 00-0132)* Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors. | | |
| 26 51 19 00-0171 | EA | 2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) | 408.68 | 46.07 |
| | | *For >50 To 100, Deduct* | *-11.94* | |
| | | *For >100 To 250, Deduct* | *-22.16* | |
| | | *For >250 To 500, Deduct* | *-40.87* | |
| | | *For >500, Deduct* | *-59.57* | |
| 26 51 19 00-0172 | EA | 2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) | 554.39 | 54.13 |
| | | *For >50 To 100, Deduct* | *-15.88* | |
| | | *For >100 To 250, Deduct* | *-29.74* | |
| | | *For >250 To 500, Deduct* | *-55.44* | |
| | | *For >500, Deduct* | *-81.14* | |
| **26 51 19 00-0173** | | **Shadow Box Style, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0100)* | | |
| **26 51 19 00-0174** | | **Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL)** *(26 51 19 00-0173)* | | |
| 26 51 19 00-0175 | EA | 2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2) | 650.32 | 46.07 |
| | | *For Drywall Or Plaster Ceilings, Add* | *31.10* | |
| | | *For >50 To 100, Deduct* | *-17.99* | |
| | | *For >100 To 250, Deduct* | *-34.24* | |
| | | *For >250 To 500, Deduct* | *-65.03* | |
| | | *For >500, Deduct* | *-95.82* | |
| 26 51 19 00-0176 | EA | 2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4) | 887.61 | 53.67 |
| | | *For Drywall Or Plaster Ceilings With Frame Kit, Add* | *64.54* | |
| | | *For >50 To 100, Deduct* | *-24.21* | |
| | | *For >100 To 250, Deduct* | *-46.40* | |
| | | *For >250 To 500, Deduct* | *-88.76* | |
| | | *For >500, Deduct* | *-131.13* | |
| **26 51 19 00-0177** | | **Panel Type, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0100)* | | |
| **26 51 19 00-0178** | | **Panel Type, Lay-In/Troffer LED Fixtures (CREE® FP Series)** *(26 51 19 00-0177)* | | |
| 26 51 19 00-0179 | EA | 4,000 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP14-40L-35K-10V) | 355.28 | 54.13 |
| | | *For >50 To 100, Deduct* | *-10.90* | |
| | | *For >100 To 250, Deduct* | *-19.78* | |
| | | *For >250 To 500, Deduct* | *-35.53* | |
| | | *For >500, Deduct* | *-51.28* | |
| 26 51 19 00-0180 | EA | 4,000 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP14-40L-35K-10V-EB14) | 919.85 | 54.13 |
| | | *For >50 To 100, Deduct* | *-25.01* | |
| | | *For >100 To 250, Deduct* | *-48.01* | |
| | | *For >250 To 500, Deduct* | *-91.99* | |
| | | *For >500, Deduct* | *-135.96* | |
| 26 51 19 00-0181 | EA | 3,400 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP22-34L-35K-10V) | 269.38 | 46.07 |
| | | *For >50 To 100, Deduct* | *-8.46* | |
| | | *For >100 To 250, Deduct* | *-15.20* | |
| | | *For >250 To 500, Deduct* | *-26.94* | |
| | | *For >500, Deduct* | *-38.68* | |
| 26 51 19 00-0182 | EA | 5,000 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP22-50L-35K-10V) | 311.34 | 46.07 |
| | | *For >50 To 100, Deduct* | *-9.51* | |
| | | *For >100 To 250, Deduct* | *-17.29* | |
| | | *For >250 To 500, Deduct* | *-31.13* | |
| | | *For >500, Deduct* | *-44.97* | |
| 26 51 19 00-0183 | EA | 3,400 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP22-34L-35K-10V-EB14) | 841.31 | 54.13 |
| | | *For >50 To 100, Deduct* | *-23.05* | |
| | | *For >100 To 250, Deduct* | *-44.08* | |
| | | *For >250 To 500, Deduct* | *-84.13* | |
| | | *For >500, Deduct* | *-124.18* | |
| 26 51 19 00-0184 | EA | 5,000 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP22-50L-35K-10V-EB14) | 886.19 | 54.13 |
| | | *For >50 To 100, Deduct* | *-24.17* | |
| | | *For >100 To 250, Deduct* | *-46.33* | |
| | | *For >250 To 500, Deduct* | *-88.62* | |
| | | *For >500, Deduct* | *-130.91* | |
| 26 51 19 00-0185 | EA | 4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP24-40L-35K-10V) | 376.27 | 54.13 |
| | | *For >50 To 100, Deduct* | *-11.42* | |
| | | *For >100 To 250, Deduct* | *-20.83* | |
| | | *For >250 To 500, Deduct* | *-37.63* | |
| | | *For >500, Deduct* | *-54.42* | |
| 26 51 19 00-0186 | EA | 5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP24-50L-35K-10V) | 410.60 | 54.13 |
| | | *For >50 To 100, Deduct* | *-12.28* | |
| | | *For >100 To 250, Deduct* | *-22.55* | |
| | | *For >250 To 500, Deduct* | *-41.06* | |
| | | *For >500, Deduct* | *-59.57* | |
| 26 51 19 00-0187 | EA | 4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP24-40L-35K-10V-EB14) | 942.28 | 54.13 |
| | | *For >50 To 100, Deduct* | *-25.57* | |
| | | *For >100 To 250, Deduct* | *-49.13* | |
| | | *For >250 To 500, Deduct* | *-94.23* | |
| | | *For >500, Deduct* | *-139.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0188 | EA | 5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP24-50L-35K-10V-EB14) | 978.20 | 54.13 |
| | | *For >50 To 100, Deduct* | *-26.47* | |
| | | *For >100 To 250, Deduct* | *-50.93* | |
| | | *For >250 To 500, Deduct* | *-97.82* | |
| | | *For >500, Deduct* | *-144.71* | |

## 26 51 19 00-0189 Panel Type, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0177)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0190 | EA | 2' x 4', 4000/5000/6000 Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 35K M2) | 274.77 | 53.67 |
| | | *For >50 To 100, Deduct* | *-8.89* | |
| | | *For >100 To 250, Deduct* | *-15.75* | |
| | | *For >250 To 500, Deduct* | *-27.48* | |
| | | *For >500, Deduct* | *-39.20* | |
| 26 51 19 00-0191 | EA | 2' x 4', 4000/5000/6000 Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 40K M2) | 274.77 | 53.67 |
| | | *For >50 To 100, Deduct* | *-8.89* | |
| | | *For >100 To 250, Deduct* | *-15.75* | |
| | | *For >250 To 500, Deduct* | *-27.48* | |
| | | *For >500, Deduct* | *-39.20* | |
| 26 51 19 00-0192 | EA | 2' x 2', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 35K M4) | 221.74 | 53.67 |
| | | *For >50 To 100, Deduct* | *-7.56* | |
| | | *For >100 To 250, Deduct* | *-13.10* | |
| | | *For >250 To 500, Deduct* | *-22.17* | |
| | | *For >500, Deduct* | *-31.25* | |
| 26 51 19 00-0193 | EA | 2' x 2', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 40K M4) | 221.74 | 53.67 |
| | | *For >50 To 100, Deduct* | *-7.56* | |
| | | *For >100 To 250, Deduct* | *-13.10* | |
| | | *For >250 To 500, Deduct* | *-22.17* | |
| | | *For >500, Deduct* | *-31.25* | |
| 26 51 19 00-0194 | EA | 1' x 4', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 35K M4) | 244.98 | 53.67 |
| | | *For >50 To 100, Deduct* | *-8.14* | |
| | | *For >100 To 250, Deduct* | *-14.26* | |
| | | *For >250 To 500, Deduct* | *-24.50* | |
| | | *For >500, Deduct* | *-34.73* | |
| 26 51 19 00-0195 | EA | 1' x 4', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 40K M4) | 244.98 | 53.67 |
| | | *For >50 To 100, Deduct* | *-8.14* | |
| | | *For >100 To 250, Deduct* | *-14.26* | |
| | | *For >250 To 500, Deduct* | *-24.50* | |
| | | *For >500, Deduct* | *-34.73* | |

## 26 51 19 00-0196 Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) *(26 51 19 00-0177)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0197 | EA | 1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34) | 443.17 | 53.67 |
| | | *For >50 To 100, Deduct* | *-13.10* | |
| | | *For >100 To 250, Deduct* | *-24.17* | |
| | | *For >250 To 500, Deduct* | *-44.32* | |
| | | *For >500, Deduct* | *-64.46* | |
| 26 51 19 00-0198 | EA | 2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34) | 460.53 | 53.67 |
| | | *For >50 To 100, Deduct* | *-13.53* | |
| | | *For >100 To 250, Deduct* | *-25.04* | |
| | | *For >250 To 500, Deduct* | *-46.05* | |
| | | *For >500, Deduct* | *-67.06* | |
| 26 51 19 00-0199 | EA | 2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40) | 575.59 | 53.67 |
| | | *For >50 To 100, Deduct* | *-16.41* | |
| | | *For >100 To 250, Deduct* | *-30.80* | |
| | | *For >250 To 500, Deduct* | *-57.56* | |
| | | *For >500, Deduct* | *-84.32* | |
| 26 51 19 00-0200 | EA | 2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52) | 575.59 | 53.67 |
| | | *For >50 To 100, Deduct* | *-16.41* | |
| | | *For >100 To 250, Deduct* | *-30.80* | |
| | | *For >250 To 500, Deduct* | *-57.56* | |
| | | *For >500, Deduct* | *-84.32* | |

## 26 51 19 00-0201 Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) *(26 51 19 00-0177)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0202 | EA | 1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH) | 233.21 | 53.67 |
| | | *For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add* | *57.00* | |
| | | *For >50 To 100, Deduct* | *-7.85* | |
| | | *For >100 To 250, Deduct* | *-13.68* | |
| | | *For >250 To 500, Deduct* | *-23.32* | |
| | | *For >500, Deduct* | *-32.97* | |
| 26 51 19 00-0203 | EA | 2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH) | 240.65 | 53.67 |
| | | *For >50 To 100, Deduct* | *-8.03* | |
| | | *For >100 To 250, Deduct* | *-14.05* | |
| | | *For >250 To 500, Deduct* | *-24.07* | |
| | | *For >500, Deduct* | *-34.08* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0204 | EA | 2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH) | 244.05 | 53.67 |
| | | *For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)* | *71.25* | |
| | | *For >50 To 100, Deduct* | *-8.12* | |
| | | *For >100 To 250, Deduct* | *-14.22* | |
| | | *For >250 To 500, Deduct* | *-24.41* | |
| | | *For >500, Deduct* | *-34.59* | |
| 26 51 19 00-0205 | EA | 2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH) | 565.14 | 53.67 |
| | | *For >50 To 100, Deduct* | *-16.14* | |
| | | *For >100 To 250, Deduct* | *-30.27* | |
| | | *For >250 To 500, Deduct* | *-56.51* | |
| | | *For >500, Deduct* | *-82.76* | |

## 26 51 19 00-0206 Surface Mount LED Fixtures *(26 51 19 00-0001)*

## 26 51 19 00-0207 Surface Mount, Volumetric LED Fixtures (Lithonia STL) *(26 51 19 00-0206)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0208 | EA | 2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2) | 330.66 | 34.55 |
| | | *For >50 To 100, Deduct* | *-9.56* | |
| | | *For >100 To 250, Deduct* | *-17.83* | |
| | | *For >250 To 500, Deduct* | *-33.07* | |
| | | *For >500, Deduct* | *-48.30* | |
| 26 51 19 00-0209 | EA | 4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4) | 283.65 | 42.15 |
| | | *For >50 To 100, Deduct* | *-8.67* | |
| | | *For >100 To 250, Deduct* | *-15.77* | |
| | | *For >250 To 500, Deduct* | *-28.37* | |
| | | *For >500, Deduct* | *-40.96* | |
| 26 51 19 00-0210 | EA | 4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4) | 335.52 | 42.15 |
| | | *For >50 To 100, Deduct* | *-9.97* | |
| | | *For >100 To 250, Deduct* | *-18.36* | |
| | | *For >250 To 500, Deduct* | *-33.55* | |
| | | *For >500, Deduct* | *-48.74* | |

## 26 51 19 00-0211 Surface Mount, Wraparound LED Fixtures (Lithonia LBL) *(26 51 19 00-0206)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0212 | EA | 2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2) | 281.23 | 34.55 |
| | | *For >50 To 100, Deduct* | *-8.33* | |
| | | *For >100 To 250, Deduct* | *-15.36* | |
| | | *For >250 To 500, Deduct* | *-28.12* | |
| | | *For >500, Deduct* | *-40.89* | |
| 26 51 19 00-0213 | EA | 4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4) | 369.64 | 42.15 |
| | | *For >50 To 100, Deduct* | *-10.82* | |
| | | *For >100 To 250, Deduct* | *-20.07* | |
| | | *For >250 To 500, Deduct* | *-36.96* | |
| | | *For >500, Deduct* | *-53.86* | |

## 26 51 19 00-0214 Surface Mount, Shadow Box Style LED Fixtures *(26 51 19 00-0206)*

## 26 51 19 00-0215 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) *(26 51 19 00-0214)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0216 | EA | 2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2) | 834.84 | 46.07 |
| | | *For >50 To 100, Deduct* | *-22.60* | |
| | | *For >100 To 250, Deduct* | *-43.47* | |
| | | *For >250 To 500, Deduct* | *-83.48* | |
| | | *For >500, Deduct* | *-123.50* | |
| 26 51 19 00-0217 | EA | 2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4) | 1,072.13 | 53.67 |
| | | *For >50 To 100, Deduct* | *-28.82* | |
| | | *For >100 To 250, Deduct* | *-55.62* | |
| | | *For >250 To 500, Deduct* | *-107.21* | |
| | | *For >500, Deduct* | *-158.80* | |

## 26 51 19 00-0218 Surface Mount, Low Profile Fixtures *(26 51 19 00-0206)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0219 | EA | 6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90) | 110.19 | 31.57 |
| | | *For >50 To 100, Deduct* | *-4.33* | |
| | | *For >100 To 250, Deduct* | *-7.09* | |
| | | *For >250 To 500, Deduct* | *-11.02* | |
| | | *For >500, Deduct* | *-14.95* | |
| 26 51 19 00-0220 | EA | 6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569) | 89.76 | 31.57 |
| | | *For >50 To 100, Deduct* | *-3.82* | |
| | | *For >100 To 250, Deduct* | *-6.07* | |
| | | *For >250 To 500, Deduct* | *-8.98* | |
| | | *For >500, Deduct* | *-11.89* | |
| 26 51 19 00-0221 | EA | 13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329) | 153.08 | 31.57 |
| | | *For >50 To 100, Deduct* | *-5.41* | |
| | | *For >100 To 250, Deduct* | *-9.23* | |
| | | *For >250 To 500, Deduct* | *-15.31* | |
| | | *For >500, Deduct* | *-21.38* | |
| 26 51 19 00-0222 | EA | 15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330) | 185.77 | 31.57 |
| | | *For >50 To 100, Deduct* | *-6.22* | |
| | | *For >100 To 250, Deduct* | *-10.87* | |
| | | *For >250 To 500, Deduct* | *-18.58* | |
| | | *For >500, Deduct* | *-26.29* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 51 19 00-0223** | | **Surface Mount, LED Disc Light Fixtures** *(26 51 19 00-0206)* | | |
| 26 51 19 00-0224 | EA | Surface Frame Octagonal Junction Box, EM Driver, 1-10V Dimming, 1,500 Lumens (DMF DRDH-N-JO-150SEMS) | 88.98 | 31.57 |
| | | *For >50 To 100, Deduct* | *-3.80* | |
| | | *For >100 To 250, Deduct* | *-6.03* | |
| | | *For >250 To 500, Deduct* | *-8.90* | |
| | | *For >500, Deduct* | *-11.77* | |
| 26 51 19 00-0225 | EA | 8" Round, 1,500 Lumens, 17 Watt, 3500K, 120 Volt, 0-10V Dimming, Surface Mounted Disc Light Fixture (DMF DRD5S-8-R-15-9-35-O) | 165.37 | 31.57 |
| | | *For >50 To 100, Deduct* | *-5.71* | |
| | | *For >100 To 250, Deduct* | *-9.85* | |
| | | *For >250 To 500, Deduct* | *-16.54* | |
| | | *For >500, Deduct* | *-23.23* | |
| 26 51 19 00-0226 | EA | 8" Round, 1,500 Lumens, 17 Watt, 3500K, 120 Volt, 0-10V Dimming, Surface Mounted Disc Light Fixture With Emergency Battery (DMF DRD5S-8-R-15-9-35-O-A-EM) | 201.15 | 31.57 |
| | | *For >50 To 100, Deduct* | *-6.61* | |
| | | *For >100 To 250, Deduct* | *-11.64* | |
| | | *For >250 To 500, Deduct* | *-20.12* | |
| | | *For >500, Deduct* | *-28.59* | |
| **26 51 19 00-0227** | | **Recessed LED Downlights** *(26 51 19 00-0001)* | | |
| **26 51 19 00-0228** | | **Recessed LED Downlights** *(26 51 19 00-0227)* | | |
| **26 51 19 00-0229** | | **Recessed LED Downlights (Lithonia)** *(26 51 19 00-0228)* Note: Includes housing and trim. | | |
| 26 51 19 00-0230 | EA | 8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED) | 378.51 | 55.47 |
| | | *For Dimming Driver And Sensor Switch nLight Dimming Relay, Add* | *77.98* | |
| | | *For >50 To 100, Deduct* | *-11.54* | |
| | | *For >100 To 250, Deduct* | *-21.01* | |
| | | *For >250 To 500, Deduct* | *-37.85* | |
| | | *For >500, Deduct* | *-54.70* | |
| 26 51 19 00-0231 | EA | 8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED) | 410.18 | 55.47 |
| | | *For Dimming Driver And Sensor Switch nLight Dimming Relay, Add* | *77.98* | |
| | | *For >50 To 100, Deduct* | *-12.33* | |
| | | *For >100 To 250, Deduct* | *-22.59* | |
| | | *For >250 To 500, Deduct* | *-41.02* | |
| | | *For >500, Deduct* | *-59.45* | |
| **26 51 19 00-0232** | | **Recessed LED Downlights (Portfolio®)** *(26 51 19 00-0228)* Note: Includes housing and trim. | | |
| 26 51 19 00-0233 | EA | 4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413) | 243.80 | 55.47 |
| | | *For >50 To 100, Deduct* | *-8.18* | |
| | | *For >100 To 250, Deduct* | *-14.27* | |
| | | *For >250 To 500, Deduct* | *-24.38* | |
| | | *For >500, Deduct* | *-34.49* | |
| **26 51 19 00-0234** | | **Recessed LED Downlights (Gotham® EVO®)** *(26 51 19 00-0228)* Note: Includes housing and trim. | | |
| 26 51 19 00-0235 | EA | 6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED) | 302.39 | 55.47 |
| | | *For >50 To 100, Deduct* | *-9.64* | |
| | | *For >100 To 250, Deduct* | *-17.20* | |
| | | *For >250 To 500, Deduct* | *-30.24* | |
| | | *For >500, Deduct* | *-43.28* | |
| 26 51 19 00-0236 | EA | 6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED) | 311.70 | 55.47 |
| | | *For >50 To 100, Deduct* | *-9.87* | |
| | | *For >100 To 250, Deduct* | *-17.67* | |
| | | *For >250 To 500, Deduct* | *-31.17* | |
| | | *For >500, Deduct* | *-44.67* | |
| 26 51 19 00-0237 | EA | 6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED) | 349.89 | 55.47 |
| | | *For >50 To 100, Deduct* | *-10.83* | |
| | | *For >100 To 250, Deduct* | *-19.57* | |
| | | *For >250 To 500, Deduct* | *-34.99* | |
| | | *For >500, Deduct* | *-50.40* | |
| 26 51 19 00-0238 | EA | 6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED) | 353.62 | 55.47 |
| | | *For >50 To 100, Deduct* | *-10.92* | |
| | | *For >100 To 250, Deduct* | *-19.76* | |
| | | *For >250 To 500, Deduct* | *-35.36* | |
| | | *For >500, Deduct* | *-50.96* | |
| 26 51 19 00-0239 | EA | 6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED) | 386.21 | 55.47 |
| | | *For >50 To 100, Deduct* | *-11.74* | |
| | | *For >100 To 250, Deduct* | *-21.39* | |
| | | *For >250 To 500, Deduct* | *-38.62* | |
| | | *For >500, Deduct* | *-55.85* | |
| **26 51 19 00-0240** | | **Recessed LED Downlights (Lightolier)** *(26 51 19 00-0228)* Note: Includes housing and trim. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0241 | EA | 4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL) | 623.79 | 55.47 |
| | | *For >50 To 100, Deduct* | *-17.68* | |
| | | *For >100 To 250, Deduct* | *-33.27* | |
| | | *For >250 To 500, Deduct* | *-62.38* | |
| | | *For >500, Deduct* | *-91.49* | |
| 26 51 19 00-0242 | EA | 4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL) | 732.18 | 55.47 |
| | | *For >50 To 100, Deduct* | *-20.38* | |
| | | *For >100 To 250, Deduct* | *-38.69* | |
| | | *For >250 To 500, Deduct* | *-73.22* | |
| | | *For >500, Deduct* | *-107.75* | |
| 26 51 19 00-0243 | EA | 6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL) | 786.26 | 55.47 |
| | | *For >50 To 100, Deduct* | *-21.74* | |
| | | *For >100 To 250, Deduct* | *-41.39* | |
| | | *For >250 To 500, Deduct* | *-78.63* | |
| | | *For >500, Deduct* | *-115.86* | |
| 26 51 19 00-0244 | EA | 6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL) | 786.26 | 55.47 |
| | | *For >50 To 100, Deduct* | *-21.74* | |
| | | *For >100 To 250, Deduct* | *-41.39* | |
| | | *For >250 To 500, Deduct* | *-78.63* | |
| | | *For >500, Deduct* | *-115.86* | |
| 26 51 19 00-0245 | EA | 7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL) | 813.42 | 55.47 |
| | | *For >50 To 100, Deduct* | *-22.42* | |
| | | *For >100 To 250, Deduct* | *-42.75* | |
| | | *For >250 To 500, Deduct* | *-81.34* | |
| | | *For >500, Deduct* | *-119.93* | |
| 26 51 19 00-0246 | EA | 7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL) | 840.60 | 55.47 |
| | | *For >50 To 100, Deduct* | *-23.10* | |
| | | *For >100 To 250, Deduct* | *-44.11* | |
| | | *For >250 To 500, Deduct* | *-84.06* | |
| | | *For >500, Deduct* | *-124.01* | |

## 26 51 19 00-0247 Recessed LED Downlights (Cooper) *(26 51 19 00-0228)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0248 | EA | 600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827) | 160.62 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.10* | |
| | | *For >100 To 250, Deduct* | *-10.11* | |
| | | *For >250 To 500, Deduct* | *-16.06* | |
| | | *For >500, Deduct* | *-22.01* | |
| 26 51 19 00-0249 | EA | 600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830) | 160.62 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.10* | |
| | | *For >100 To 250, Deduct* | *-10.11* | |
| | | *For >250 To 500, Deduct* | *-16.06* | |
| | | *For >500, Deduct* | *-22.01* | |
| 26 51 19 00-0250 | EA | 600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835) | 160.62 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.10* | |
| | | *For >100 To 250, Deduct* | *-10.11* | |
| | | *For >250 To 500, Deduct* | *-16.06* | |
| | | *For >500, Deduct* | *-22.01* | |
| 26 51 19 00-0251 | EA | 600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840) | 160.62 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.10* | |
| | | *For >100 To 250, Deduct* | *-10.11* | |
| | | *For >250 To 500, Deduct* | *-16.06* | |
| | | *For >500, Deduct* | *-22.01* | |
| 26 51 19 00-0252 | EA | 900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827) | 163.50 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.17* | |
| | | *For >100 To 250, Deduct* | *-10.26* | |
| | | *For >250 To 500, Deduct* | *-16.35* | |
| | | *For >500, Deduct* | *-22.44* | |
| 26 51 19 00-0253 | EA | 900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830) | 163.50 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.17* | |
| | | *For >100 To 250, Deduct* | *-10.26* | |
| | | *For >250 To 500, Deduct* | *-16.35* | |
| | | *For >500, Deduct* | *-22.44* | |
| 26 51 19 00-0254 | EA | 900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835) | 163.50 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.17* | |
| | | *For >100 To 250, Deduct* | *-10.26* | |
| | | *For >250 To 500, Deduct* | *-16.35* | |
| | | *For >500, Deduct* | *-22.44* | |
| 26 51 19 00-0255 | EA | 900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840) | 163.50 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.17* | |
| | | *For >100 To 250, Deduct* | *-10.26* | |
| | | *For >250 To 500, Deduct* | *-16.35* | |
| | | *For >500, Deduct* | *-22.44* | |
| 26 51 19 00-0256 | EA | 1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827) | 202.60 | 55.47 |
| | | *For >50 To 100, Deduct* | *-7.15* | |
| | | *For >100 To 250, Deduct* | *-12.21* | |
| | | *For >250 To 500, Deduct* | *-20.26* | |
| | | *For >500, Deduct* | *-28.31* | |
| 26 51 19 00-0257 | EA | 1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830) | 200.61 | 55.47 |
| | | *For >50 To 100, Deduct* | *-7.10* | |
| | | *For >100 To 250, Deduct* | *-12.11* | |
| | | *For >250 To 500, Deduct* | *-20.06* | |
| | | *For >500, Deduct* | *-28.01* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0258 | EA | 1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835) | 200.61 | 55.47 |
| | | *For >50 To 100, Deduct* | *-7.10* | |
| | | *For >100 To 250, Deduct* | *-12.11* | |
| | | *For >250 To 500, Deduct* | *-20.06* | |
| | | *For >500, Deduct* | *-28.01* | |
| 26 51 19 00-0259 | EA | 1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840) | 200.61 | 55.47 |
| | | *For >50 To 100, Deduct* | *-7.10* | |
| | | *For >100 To 250, Deduct* | *-12.11* | |
| | | *For >250 To 500, Deduct* | *-20.06* | |
| | | *For >500, Deduct* | *-28.01* | |
| 26 51 19 00-0260 | EA | 5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB) | 96.04 | 17.65 |
| | | *For >50 To 100, Deduct* | *-3.06* | |
| | | *For >100 To 250, Deduct* | *-5.46* | |
| | | *For >250 To 500, Deduct* | *-9.60* | |
| | | *For >500, Deduct* | *-13.74* | |
| 26 51 19 00-0261 | EA | 5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC) | 60.26 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.17* | |
| | | *For >100 To 250, Deduct* | *-3.68* | |
| | | *For >250 To 500, Deduct* | *-6.03* | |
| | | *For >500, Deduct* | *-8.38* | |
| 26 51 19 00-0262 | EA | 5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H) | 75.66 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.55* | |
| | | *For >100 To 250, Deduct* | *-4.45* | |
| | | *For >250 To 500, Deduct* | *-7.57* | |
| | | *For >500, Deduct* | *-10.69* | |
| 26 51 19 00-0263 | EA | 5" LED Trim, White Reflector And Flange (Cooper Halo 592W) | 63.36 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.25* | |
| | | *For >100 To 250, Deduct* | *-3.83* | |
| | | *For >250 To 500, Deduct* | *-6.34* | |
| | | *For >500, Deduct* | *-8.84* | |
| 26 51 19 00-0264 | EA | 5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB) | 50.77 | 17.65 |
| | | *For >50 To 100, Deduct* | *-1.93* | |
| | | *For >100 To 250, Deduct* | *-3.20* | |
| | | *For >250 To 500, Deduct* | *-5.08* | |
| | | *For >500, Deduct* | *-6.95* | |
| 26 51 19 00-0265 | EA | 5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB) | 62.81 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.23* | |
| | | *For >100 To 250, Deduct* | *-3.80* | |
| | | *For >250 To 500, Deduct* | *-6.28* | |
| | | *For >500, Deduct* | *-8.76* | |
| 26 51 19 00-0266 | EA | 5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB) | 70.13 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.42* | |
| | | *For >100 To 250, Deduct* | *-4.17* | |
| | | *For >250 To 500, Deduct* | *-7.01* | |
| | | *For >500, Deduct* | *-9.86* | |
| 26 51 19 00-0267 | EA | 5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB) | 76.66 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.58* | |
| | | *For >100 To 250, Deduct* | *-4.50* | |
| | | *For >250 To 500, Deduct* | *-7.67* | |
| | | *For >500, Deduct* | *-10.84* | |
| 26 51 19 00-0268 | EA | 5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB) | 89.40 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.90* | |
| | | *For >100 To 250, Deduct* | *-5.13* | |
| | | *For >250 To 500, Deduct* | *-8.94* | |
| | | *For >500, Deduct* | *-12.75* | |
| 26 51 19 00-0269 | EA | 5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB) | 89.81 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.91* | |
| | | *For >100 To 250, Deduct* | *-5.15* | |
| | | *For >250 To 500, Deduct* | *-8.98* | |
| | | *For >500, Deduct* | *-12.81* | |
| 26 51 19 00-0270 | EA | 5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB) | 87.98 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.86* | |
| | | *For >100 To 250, Deduct* | *-5.06* | |
| | | *For >250 To 500, Deduct* | *-8.80* | |
| | | *For >500, Deduct* | *-12.54* | |
| 26 51 19 00-0271 | EA | 5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW) | 108.90 | 17.65 |
| | | *For >50 To 100, Deduct* | *-3.38* | |
| | | *For >100 To 250, Deduct* | *-6.11* | |
| | | *For >250 To 500, Deduct* | *-10.89* | |
| | | *For >500, Deduct* | *-15.67* | |
| 26 51 19 00-0272 | EA | 5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB) | 51.22 | 17.65 |
| | | *For >50 To 100, Deduct* | *-1.94* | |
| | | *For >100 To 250, Deduct* | *-3.22* | |
| | | *For >250 To 500, Deduct* | *-5.12* | |
| | | *For >500, Deduct* | *-7.02* | |
| 26 51 19 00-0273 | EA | 6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB) | 92.98 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.99* | |
| | | *For >100 To 250, Deduct* | *-5.31* | |
| | | *For >250 To 500, Deduct* | *-9.30* | |
| | | *For >500, Deduct* | *-13.29* | |
| 26 51 19 00-0274 | EA | 6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC) | 78.90 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.63* | |
| | | *For >100 To 250, Deduct* | *-4.61* | |
| | | *For >250 To 500, Deduct* | *-7.89* | |
| | | *For >500, Deduct* | *-11.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0275 | EA | 6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H) | 73.96 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.51* | |
| | | *For >100 To 250, Deduct* | *-4.36* | |
| | | *For >250 To 500, Deduct* | *-7.40* | |
| | | *For >500, Deduct* | *-10.43* | |
| 26 51 19 00-0276 | EA | 6" LED Trim, White Reflector And Flange (Cooper Halo 692W) | 65.81 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.31* | |
| | | *For >100 To 250, Deduct* | *-3.95* | |
| | | *For >250 To 500, Deduct* | *-6.58* | |
| | | *For >500, Deduct* | *-9.21* | |
| 26 51 19 00-0277 | EA | 6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB) | 66.40 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.32* | |
| | | *For >100 To 250, Deduct* | *-3.98* | |
| | | *For >250 To 500, Deduct* | *-6.64* | |
| | | *For >500, Deduct* | *-9.30* | |
| 26 51 19 00-0278 | EA | 6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB) | 71.63 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.45* | |
| | | *For >100 To 250, Deduct* | *-4.24* | |
| | | *For >250 To 500, Deduct* | *-7.16* | |
| | | *For >500, Deduct* | *-10.08* | |
| 26 51 19 00-0279 | EA | 6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB) | 65.49 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.30* | |
| | | *For >100 To 250, Deduct* | *-3.94* | |
| | | *For >250 To 500, Deduct* | *-6.55* | |
| | | *For >500, Deduct* | *-9.16* | |
| 26 51 19 00-0280 | EA | 6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB) | 82.16 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.72* | |
| | | *For >100 To 250, Deduct* | *-4.77* | |
| | | *For >250 To 500, Deduct* | *-8.22* | |
| | | *For >500, Deduct* | *-11.66* | |
| 26 51 19 00-0281 | EA | 6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB) | 89.19 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.89* | |
| | | *For >100 To 250, Deduct* | *-5.12* | |
| | | *For >250 To 500, Deduct* | *-8.92* | |
| | | *For >500, Deduct* | *-12.72* | |
| 26 51 19 00-0282 | EA | 6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB) | 112.56 | 17.65 |
| | | *For >50 To 100, Deduct* | *-3.48* | |
| | | *For >100 To 250, Deduct* | *-6.29* | |
| | | *For >250 To 500, Deduct* | *-11.26* | |
| | | *For >500, Deduct* | *-16.22* | |
| 26 51 19 00-0283 | EA | 6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB) | 109.63 | 17.65 |
| | | *For >50 To 100, Deduct* | *-3.40* | |
| | | *For >100 To 250, Deduct* | *-6.14* | |
| | | *For >250 To 500, Deduct* | *-10.96* | |
| | | *For >500, Deduct* | *-15.78* | |
| 26 51 19 00-0284 | EA | 6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW) | 110.92 | 17.65 |
| | | *For >50 To 100, Deduct* | *-3.44* | |
| | | *For >100 To 250, Deduct* | *-6.21* | |
| | | *For >250 To 500, Deduct* | *-11.09* | |
| | | *For >500, Deduct* | *-15.98* | |
| 26 51 19 00-0285 | EA | 6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB) | 67.11 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.34* | |
| | | *For >100 To 250, Deduct* | *-4.02* | |
| | | *For >250 To 500, Deduct* | *-6.71* | |
| | | *For >500, Deduct* | *-9.40* | |
| 26 51 19 00-0286 | EA | 6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT) | 63.01 | 37.82 |
| | | *For >50 To 100, Deduct* | *-2.99* | |
| | | *For >100 To 250, Deduct* | *-4.57* | |
| | | *For >250 To 500, Deduct* | *-6.30* | |
| | | *For >500, Deduct* | *-8.03* | |
| 26 51 19 00-0287 | EA | 6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT) | 68.74 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.14* | |
| | | *For >100 To 250, Deduct* | *-4.86* | |
| | | *For >250 To 500, Deduct* | *-6.87* | |
| | | *For >500, Deduct* | *-8.89* | |
| 26 51 19 00-0288 | EA | 6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T) | 66.45 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.08* | |
| | | *For >100 To 250, Deduct* | *-4.74* | |
| | | *For >250 To 500, Deduct* | *-6.65* | |
| | | *For >500, Deduct* | *-8.55* | |
| 26 51 19 00-0289 | EA | 6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP) | 89.00 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.64* | |
| | | *For >100 To 250, Deduct* | *-5.87* | |
| | | *For >250 To 500, Deduct* | *-8.90* | |
| | | *For >500, Deduct* | *-11.93* | |
| 26 51 19 00-0290 | EA | 6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT) | 86.35 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.58* | |
| | | *For >100 To 250, Deduct* | *-5.74* | |
| | | *For >250 To 500, Deduct* | *-8.64* | |
| | | *For >500, Deduct* | *-11.53* | |
| 26 51 19 00-0291 | EA | 6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT) | 69.52 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.16* | |
| | | *For >100 To 250, Deduct* | *-4.89* | |
| | | *For >250 To 500, Deduct* | *-6.95* | |
| | | *For >500, Deduct* | *-9.01* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0292 | EA | 6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT) | 73.37 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.25* | |
| | | *For >100 To 250, Deduct* | *-5.09* | |
| | | *For >250 To 500, Deduct* | *-7.34* | |
| | | *For >500, Deduct* | *-9.59* | |
| 26 51 19 00-0293 | EA | 6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT) | 68.71 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.14* | |
| | | *For >100 To 250, Deduct* | *-4.85* | |
| | | *For >250 To 500, Deduct* | *-6.87* | |
| | | *For >500, Deduct* | *-8.89* | |
| 26 51 19 00-0294 | EA | 6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT) | 72.93 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.24* | |
| | | *For >100 To 250, Deduct* | *-5.06* | |
| | | *For >250 To 500, Deduct* | *-7.29* | |
| | | *For >500, Deduct* | *-9.52* | |
| 26 51 19 00-0295 | EA | 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB) | 69.41 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.15* | |
| | | *For >100 To 250, Deduct* | *-4.89* | |
| | | *For >250 To 500, Deduct* | *-6.94* | |
| | | *For >500, Deduct* | *-8.99* | |
| 26 51 19 00-0296 | EA | 6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB) | 69.02 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.14* | |
| | | *For >100 To 250, Deduct* | *-4.87* | |
| | | *For >250 To 500, Deduct* | *-6.90* | |
| | | *For >500, Deduct* | *-8.93* | |
| 26 51 19 00-0297 | EA | 6" Non-IC, New Construction Housing (Cooper Halo H7T) | 72.06 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.22* | |
| | | *For >100 To 250, Deduct* | *-5.02* | |
| | | *For >250 To 500, Deduct* | *-7.21* | |
| | | *For >500, Deduct* | *-9.39* | |
| 26 51 19 00-0298 | EA | 6" Non-IC, Remodel Housing (Cooper Halo H7RT) | 73.72 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.26* | |
| | | *For >100 To 250, Deduct* | *-5.10* | |
| | | *For >250 To 500, Deduct* | *-7.37* | |
| | | *For >500, Deduct* | *-9.64* | |
| 26 51 19 00-0299 | EA | 6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB) | 74.24 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.27* | |
| | | *For >100 To 250, Deduct* | *-5.13* | |
| | | *For >250 To 500, Deduct* | *-7.42* | |
| | | *For >500, Deduct* | *-9.72* | |
| 26 51 19 00-0300 | EA | 6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP) | 99.79 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.91* | |
| | | *For >100 To 250, Deduct* | *-6.41* | |
| | | *For >250 To 500, Deduct* | *-9.98* | |
| | | *For >500, Deduct* | *-13.55* | |
| 26 51 19 00-0301 | EA | 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT) | 93.38 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.75* | |
| | | *For >100 To 250, Deduct* | *-6.09* | |
| | | *For >250 To 500, Deduct* | *-9.34* | |
| | | *For >500, Deduct* | *-12.59* | |
| 26 51 19 00-0302 | EA | 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT) | 94.12 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.77* | |
| | | *For >100 To 250, Deduct* | *-6.12* | |
| | | *For >250 To 500, Deduct* | *-9.41* | |
| | | *For >500, Deduct* | *-12.70* | |
| 26 51 19 00-0303 | EA | 6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT) | 98.41 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.88* | |
| | | *For >100 To 250, Deduct* | *-6.34* | |
| | | *For >250 To 500, Deduct* | *-9.84* | |
| | | *For >500, Deduct* | *-13.34* | |
| 26 51 19 00-0304 | EA | 6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT) | 98.41 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.88* | |
| | | *For >100 To 250, Deduct* | *-6.34* | |
| | | *For >250 To 500, Deduct* | *-9.84* | |
| | | *For >500, Deduct* | *-13.34* | |
| 26 51 19 00-0305 | EA | 6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700) | 98.41 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.88* | |
| | | *For >100 To 250, Deduct* | *-6.34* | |
| | | *For >250 To 500, Deduct* | *-9.84* | |
| | | *For >500, Deduct* | *-13.34* | |
| 26 51 19 00-0306 | EA | 6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R) | 98.41 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.88* | |
| | | *For >100 To 250, Deduct* | *-6.34* | |
| | | *For >250 To 500, Deduct* | *-9.84* | |
| | | *For >500, Deduct* | *-13.34* | |
| 26 51 19 00-0307 | EA | 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB) | 98.41 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.88* | |
| | | *For >100 To 250, Deduct* | *-6.34* | |
| | | *For >250 To 500, Deduct* | *-9.84* | |
| | | *For >500, Deduct* | *-13.34* | |
| 26 51 19 00-0308 | EA | 6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB) | 87.19 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.60* | |
| | | *For >100 To 250, Deduct* | *-5.78* | |
| | | *For >250 To 500, Deduct* | *-8.72* | |
| | | *For >500, Deduct* | *-11.66* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0309 | EA | 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U) | 87.19 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.60* | |
| | | *For >100 To 250, Deduct* | *-5.78* | |
| | | *For >250 To 500, Deduct* | *-8.72* | |
| | | *For >500, Deduct* | *-11.66* | |
| 26 51 19 00-0310 | EA | 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT) | 87.19 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.60* | |
| | | *For >100 To 250, Deduct* | *-5.78* | |
| | | *For >250 To 500, Deduct* | *-8.72* | |
| | | *For >500, Deduct* | *-11.66* | |
| 26 51 19 00-0311 | EA | 6" Non-IC, New Construction Housing (Cooper Halo ET700) | 87.19 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.60* | |
| | | *For >100 To 250, Deduct* | *-5.78* | |
| | | *For >250 To 500, Deduct* | *-8.72* | |
| | | *For >500, Deduct* | *-11.66* | |
| 26 51 19 00-0312 | EA | 6" Non-IC, Remodel Housing (Cooper Halo ET700R) | 87.19 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.60* | |
| | | *For >100 To 250, Deduct* | *-5.78* | |
| | | *For >250 To 500, Deduct* | *-8.72* | |
| | | *For >500, Deduct* | *-11.66* | |
| 26 51 19 00-0313 | EA | 6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT) | 88.01 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.62* | |
| | | *For >100 To 250, Deduct* | *-5.82* | |
| | | *For >250 To 500, Deduct* | *-8.80* | |
| | | *For >500, Deduct* | *-11.78* | |
| 26 51 19 00-0314 | EA | 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT) | 100.61 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.93* | |
| | | *For >100 To 250, Deduct* | *-6.45* | |
| | | *For >250 To 500, Deduct* | *-10.06* | |
| | | *For >500, Deduct* | *-13.67* | |
| 26 51 19 00-0315 | EA | 6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT) | 88.01 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.62* | |
| | | *For >100 To 250, Deduct* | *-5.82* | |
| | | *For >250 To 500, Deduct* | *-8.80* | |
| | | *For >500, Deduct* | *-11.78* | |
| 26 51 19 00-0316 | EA | 6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT) | 97.05 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.84* | |
| | | *For >100 To 250, Deduct* | *-6.27* | |
| | | *For >250 To 500, Deduct* | *-9.71* | |
| | | *For >500, Deduct* | *-13.14* | |
| 26 51 19 00-0317 | EA | 6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T) | 82.91 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.49* | |
| | | *For >100 To 250, Deduct* | *-5.56* | |
| | | *For >250 To 500, Deduct* | *-8.29* | |
| | | *For >500, Deduct* | *-11.02* | |
| 26 51 19 00-0318 | EA | 6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT) | 84.15 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.52* | |
| | | *For >100 To 250, Deduct* | *-5.63* | |
| | | *For >250 To 500, Deduct* | *-8.42* | |
| | | *For >500, Deduct* | *-11.20* | |
| 26 51 19 00-0319 | EA | 6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT) | 92.95 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.74* | |
| | | *For >100 To 250, Deduct* | *-6.07* | |
| | | *For >250 To 500, Deduct* | *-9.30* | |
| | | *For >500, Deduct* | *-12.52* | |
| 26 51 19 00-0320 | EA | 6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700) | 92.95 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.74* | |
| | | *For >100 To 250, Deduct* | *-6.07* | |
| | | *For >250 To 500, Deduct* | *-9.30* | |
| | | *For >500, Deduct* | *-12.52* | |
| 26 51 19 00-0321 | EA | 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R) | 92.95 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.74* | |
| | | *For >100 To 250, Deduct* | *-6.07* | |
| | | *For >250 To 500, Deduct* | *-9.30* | |
| | | *For >500, Deduct* | *-12.52* | |
| 26 51 19 00-0322 | EA | 6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700) | 92.95 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.74* | |
| | | *For >100 To 250, Deduct* | *-6.07* | |
| | | *For >250 To 500, Deduct* | *-9.30* | |
| | | *For >500, Deduct* | *-12.52* | |
| 26 51 19 00-0323 | EA | 6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R) | 92.95 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.74* | |
| | | *For >100 To 250, Deduct* | *-6.07* | |
| | | *For >250 To 500, Deduct* | *-9.30* | |
| | | *For >500, Deduct* | *-12.52* | |
| 26 51 19 00-0324 | EA | 6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK) | 76.40 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.57* | |
| | | *For >100 To 250, Deduct* | *-4.48* | |
| | | *For >250 To 500, Deduct* | *-7.64* | |
| | | *For >500, Deduct* | *-10.80* | |
| 26 51 19 00-0325 | EA | 6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK) | 78.96 | 17.65 |
| | | *For >50 To 100, Deduct* | *-2.64* | |
| | | *For >100 To 250, Deduct* | *-4.61* | |
| | | *For >250 To 500, Deduct* | *-7.90* | |
| | | *For >500, Deduct* | *-11.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0326 | EA | 5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT) | 77.34 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.35* | |
| | | *For >100 To 250, Deduct* | *-5.29* | |
| | | *For >250 To 500, Deduct* | *-7.73* | |
| | | *For >500, Deduct* | *-10.18* | |
| 26 51 19 00-0327 | EA | 5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT) | 77.65 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.36* | |
| | | *For >100 To 250, Deduct* | *-5.30* | |
| | | *For >250 To 500, Deduct* | *-7.77* | |
| | | *For >500, Deduct* | *-10.23* | |
| 26 51 19 00-0328 | EA | 5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT) | 72.33 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.23* | |
| | | *For >100 To 250, Deduct* | *-5.03* | |
| | | *For >250 To 500, Deduct* | *-7.23* | |
| | | *For >500, Deduct* | *-9.43* | |
| 26 51 19 00-0329 | EA | 5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT) | 74.94 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.29* | |
| | | *For >100 To 250, Deduct* | *-5.17* | |
| | | *For >250 To 500, Deduct* | *-7.49* | |
| | | *For >500, Deduct* | *-9.82* | |
| 26 51 19 00-0330 | EA | 5" Non-IC, New Construction Housing (Cooper Halo H5T) | 74.09 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.27* | |
| | | *For >100 To 250, Deduct* | *-5.12* | |
| | | *For >250 To 500, Deduct* | *-7.41* | |
| | | *For >500, Deduct* | *-9.70* | |
| 26 51 19 00-0331 | EA | 5" Non-IC, Remodel Housing (Cooper Halo H5RT) | 74.88 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.29* | |
| | | *For >100 To 250, Deduct* | *-5.16* | |
| | | *For >250 To 500, Deduct* | *-7.49* | |
| | | *For >500, Deduct* | *-9.81* | |
| 26 51 19 00-0332 | EA | 5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT) | 86.08 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.57* | |
| | | *For >100 To 250, Deduct* | *-5.72* | |
| | | *For >250 To 500, Deduct* | *-8.61* | |
| | | *For >500, Deduct* | *-11.49* | |
| 26 51 19 00-0333 | EA | 5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT) | 86.68 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.59* | |
| | | *For >100 To 250, Deduct* | *-5.75* | |
| | | *For >250 To 500, Deduct* | *-8.67* | |
| | | *For >500, Deduct* | *-11.58* | |
| 26 51 19 00-0334 | EA | 5" Non-IC, New Construction Housing (Cooper Halo ET500) | 89.69 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.66* | |
| | | *For >100 To 250, Deduct* | *-5.90* | |
| | | *For >250 To 500, Deduct* | *-8.97* | |
| | | *For >500, Deduct* | *-12.04* | |
| 26 51 19 00-0335 | EA | 5" Non-IC, Remodel Housing (Cooper Halo ET500R) | 91.80 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.71* | |
| | | *For >100 To 250, Deduct* | *-6.01* | |
| | | *For >250 To 500, Deduct* | *-9.18* | |
| | | *For >500, Deduct* | *-12.35* | |
| 26 51 19 00-0336 | EA | 5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT) | 101.07 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.95* | |
| | | *For >100 To 250, Deduct* | *-6.47* | |
| | | *For >250 To 500, Deduct* | *-10.11* | |
| | | *For >500, Deduct* | *-13.74* | |

## 26 51 19 00-0337 Recessed LED Downlights (Maxlite DLR) *(26 51 19 00-0228)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0338 | EA | 4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410) | 181.70 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.62* | |
| | | *For >100 To 250, Deduct* | *-11.17* | |
| | | *For >250 To 500, Deduct* | *-18.17* | |
| | | *For >500, Deduct* | *-25.17* | |
| 26 51 19 00-0339 | EA | 4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415) | 184.23 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.69* | |
| | | *For >100 To 250, Deduct* | *-11.29* | |
| | | *For >250 To 500, Deduct* | *-18.42* | |
| | | *For >500, Deduct* | *-25.55* | |
| 26 51 19 00-0340 | EA | 4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420) | 191.81 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.88* | |
| | | *For >100 To 250, Deduct* | *-11.67* | |
| | | *For >250 To 500, Deduct* | *-19.18* | |
| | | *For >500, Deduct* | *-26.69* | |
| 26 51 19 00-0341 | EA | 6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615) | 176.64 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.50* | |
| | | *For >100 To 250, Deduct* | *-10.91* | |
| | | *For >250 To 500, Deduct* | *-17.66* | |
| | | *For >500, Deduct* | *-24.42* | |
| 26 51 19 00-0342 | EA | 6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620) | 176.64 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.50* | |
| | | *For >100 To 250, Deduct* | *-10.91* | |
| | | *For >250 To 500, Deduct* | *-17.66* | |
| | | *For >500, Deduct* | *-24.42* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0343 | EA | 6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630) | 176.64 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.50* | |
| | | *For >100 To 250, Deduct* | *-10.91* | |
| | | *For >250 To 500, Deduct* | *-17.66* | |
| | | *For >500, Deduct* | *-24.42* | |
| 26 51 19 00-0344 | EA | 8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810) | 191.81 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.88* | |
| | | *For >100 To 250, Deduct* | *-11.67* | |
| | | *For >250 To 500, Deduct* | *-19.18* | |
| | | *For >500, Deduct* | *-26.69* | |
| 26 51 19 00-0345 | EA | 8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815) | 194.33 | 55.47 |
| | | *For >50 To 100, Deduct* | *-6.94* | |
| | | *For >100 To 250, Deduct* | *-11.80* | |
| | | *For >250 To 500, Deduct* | *-19.43* | |
| | | *For >500, Deduct* | *-27.07* | |
| 26 51 19 00-0346 | EA | 8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820) | 199.37 | 55.47 |
| | | *For >50 To 100, Deduct* | *-7.06* | |
| | | *For >100 To 250, Deduct* | *-12.05* | |
| | | *For >250 To 500, Deduct* | *-19.94* | |
| | | *For >500, Deduct* | *-27.83* | |
| 26 51 19 00-0347 | EA | 8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830) | 214.52 | 55.47 |
| | | *For >50 To 100, Deduct* | *-7.44* | |
| | | *For >100 To 250, Deduct* | *-12.81* | |
| | | *For >250 To 500, Deduct* | *-21.45* | |
| | | *For >500, Deduct* | *-30.10* | |
| 26 51 19 00-0348 | EA | 8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850) | 234.73 | 55.47 |
| | | *For >50 To 100, Deduct* | *-7.95* | |
| | | *For >100 To 250, Deduct* | *-13.82* | |
| | | *For >250 To 500, Deduct* | *-23.47* | |
| | | *For >500, Deduct* | *-33.13* | |

## 26 51 19 00-0349 Recessed LED Downlight Retrofits And Trim (CREE®) *(26 51 19 00-0227)*

## 26 51 19 00-0350 Recessed LED Downlight Retrofits (CREE®) *(26 51 19 00-0349)*

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0351 | EA | 4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L) | 114.55 | |
| | | *For >50 To 100, Deduct* | *-3.65* | |
| | | *For >100 To 250, Deduct* | *-6.52* | |
| | | *For >250 To 500, Deduct* | *-11.46* | |
| | | *For >500, Deduct* | *-16.39* | |
| 26 51 19 00-0352 | EA | 6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L) | 101.08 | |
| | | *For >50 To 100, Deduct* | *-3.32* | |
| | | *For >100 To 250, Deduct* | *-5.84* | |
| | | *For >250 To 500, Deduct* | *-10.11* | |
| | | *For >500, Deduct* | *-14.37* | |
| 26 51 19 00-0353 | EA | 6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L) | 128.01 | |
| | | *For >50 To 100, Deduct* | *-3.99* | |
| | | *For >100 To 250, Deduct* | *-7.19* | |
| | | *For >250 To 500, Deduct* | *-12.80* | |
| | | *For >500, Deduct* | *-18.41* | |
| 26 51 19 00-0354 | EA | 6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277) | 143.71 | |
| | | *For >50 To 100, Deduct* | *-4.38* | |
| | | *For >100 To 250, Deduct* | *-7.97* | |
| | | *For >250 To 500, Deduct* | *-14.37* | |
| | | *For >500, Deduct* | *-20.77* | |
| 26 51 19 00-0355 | EA | 6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR) | 157.17 | |
| | | *For >50 To 100, Deduct* | *-4.72* | |
| | | *For >100 To 250, Deduct* | *-8.65* | |
| | | *For >250 To 500, Deduct* | *-15.72* | |
| | | *For >500, Deduct* | *-22.79* | |

## 26 51 19 00-0356 Recessed LED Downlight Retrofits Trim (CREE®) *(26 51 19 00-0349)*

Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0357 | EA | 6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX) | 41.34 | 8.83 |
| | | *For >50 To 100, Deduct* | *-1.51* | |
| | | *For >100 To 250, Deduct* | *-2.54* | |
| | | *For >250 To 500, Deduct* | *-4.13* | |
| | | *For >500, Deduct* | *-5.73* | |
| 26 51 19 00-0358 | EA | 6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP) | 50.32 | 8.83 |
| | | *For >50 To 100, Deduct* | *-1.73* | |
| | | *For >100 To 250, Deduct* | *-2.99* | |
| | | *For >250 To 500, Deduct* | *-5.03* | |
| | | *For >500, Deduct* | *-7.08* | |
| 26 51 19 00-0359 | EA | 6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB) | 43.59 | 8.83 |
| | | *For >50 To 100, Deduct* | *-1.56* | |
| | | *For >100 To 250, Deduct* | *-2.65* | |
| | | *For >250 To 500, Deduct* | *-4.36* | |
| | | *For >500, Deduct* | *-6.07* | |

## 26 51 19 00-0360 Recessed LED Downlight Fixture Housings (CREE®) *(26 51 19 00-0349)*

Note: Excludes lamp and trim.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0361 | EA | 6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6) | 110.59 | 37.82 |
| | | *For >50 To 100, Deduct* | *-4.18* | |
| | | *For >100 To 250, Deduct* | *-6.95* | |
| | | *For >250 To 500, Deduct* | *-11.06* | |
| | | *For >500, Deduct* | *-15.17* | |
| 26 51 19 00-0362 | EA | 6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6) | 79.16 | 37.82 |
| | | *For >50 To 100, Deduct* | *-3.40* | |
| | | *For >100 To 250, Deduct* | *-5.38* | |
| | | *For >250 To 500, Deduct* | *-7.92* | |
| | | *For >500, Deduct* | *-10.46* | |
| **26 51 19 00-0363** | | **Can Retrofit Or Surface Mount, LED Downlights** *(26 51 19 00-0227)* | | |
| 26 51 19 00-0364 | EA | 6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6) | 99.45 | 34.55 |
| | | *For >50 To 100, Deduct* | *-3.78* | |
| | | *For >100 To 250, Deduct* | *-6.27* | |
| | | *For >250 To 500, Deduct* | *-9.95* | |
| | | *For >500, Deduct* | *-13.62* | |
| 26 51 19 00-0365 | EA | 4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D) | 80.95 | 34.55 |
| | | *For >50 To 100, Deduct* | *-3.32* | |
| | | *For >100 To 250, Deduct* | *-5.34* | |
| | | *For >250 To 500, Deduct* | *-8.10* | |
| | | *For >500, Deduct* | *-10.85* | |
| 26 51 19 00-0366 | EA | 6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D) | 80.95 | 34.55 |
| | | *For >50 To 100, Deduct* | *-3.32* | |
| | | *For >100 To 250, Deduct* | *-5.34* | |
| | | *For >250 To 500, Deduct* | *-8.10* | |
| | | *For >500, Deduct* | *-10.85* | |
| 26 51 19 00-0367 | EA | 6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP) | 141.99 | 34.55 |
| | | *For Recessed IC/Non-IC Rated Housing For New Construction, Add* | *51.67* | |
| | | *For >50 To 100, Deduct* | *-4.85* | |
| | | *For >100 To 250, Deduct* | *-8.40* | |
| | | *For >250 To 500, Deduct* | *-14.20* | |
| | | *For >500, Deduct* | *-20.00* | |
| 26 51 19 00-0368 | EA | 4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840) | 70.80 | 34.55 |
| | | *For >50 To 100, Deduct* | *-3.07* | |
| | | *For >100 To 250, Deduct* | *-4.84* | |
| | | *For >250 To 500, Deduct* | *-7.08* | |
| | | *For >500, Deduct* | *-9.32* | |
| 26 51 19 00-0369 | EA | 5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840) | 78.42 | 34.55 |
| | | *For >50 To 100, Deduct* | *-3.26* | |
| | | *For >100 To 250, Deduct* | *-5.22* | |
| | | *For >250 To 500, Deduct* | *-7.84* | |
| | | *For >500, Deduct* | *-10.47* | |
| 26 51 19 00-0370 | EA | 6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM) | 945.64 | 34.55 |
| | | *For >50 To 100, Deduct* | *-24.94* | |
| | | *For >100 To 250, Deduct* | *-48.58* | |
| | | *For >250 To 500, Deduct* | *-94.56* | |
| | | *For >500, Deduct* | *-140.55* | |
| **26 51 19 00-0371** | | **Wall Mount LED Cylinder Downlight** *(26 51 19 00-0001)* | | |
| 26 51 19 00-0372 | EA | 9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9) | 394.81 | 53.67 |
| | | *For >50 To 100, Deduct* | *-11.89* | |
| | | *For >100 To 250, Deduct* | *-21.76* | |
| | | *For >250 To 500, Deduct* | *-39.48* | |
| | | *For >500, Deduct* | *-57.21* | |
| **26 51 19 00-0373** | | **Wall Sconce And Wall Wash LED Fixtures** *(26 51 19 00-0001)* | | |
| **26 51 19 00-0374** | | **LED Wall Sconce Fixtures (Hudson Valley Lighting)** *(26 51 19 00-0373)* | | |
| 26 51 19 00-0375 | EA | 2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN) | 542.54 | 50.43 |
| | | *For >50 To 100, Deduct* | *-15.45* | |
| | | *For >100 To 250, Deduct* | *-29.02* | |
| | | *For >250 To 500, Deduct* | *-54.25* | |
| | | *For >500, Deduct* | *-79.49* | |
| **26 51 19 00-0376** | | **LED Wall Sconce Fixtures (Kichler)** *(26 51 19 00-0373)* | | |
| 26 51 19 00-0377 | EA | 6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED) | 301.71 | 50.43 |
| | | *For >50 To 100, Deduct* | *-9.43* | |
| | | *For >100 To 250, Deduct* | *-16.98* | |
| | | *For >250 To 500, Deduct* | *-30.17* | |
| | | *For >500, Deduct* | *-43.37* | |
| **26 51 19 00-0378** | | **LED Wall Sconce Fixtures (Metalux)** *(26 51 19 00-0373)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0379 | EA | 9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN) | 147.78 | 50.43 |
| | | *For >50 To 100, Deduct* | *-5.59* | |
| | | *For >100 To 250, Deduct* | *-9.28* | |
| | | *For >250 To 500, Deduct* | *-14.78* | |
| | | *For >500, Deduct* | *-20.28* | |
| 26 51 19 00-0380 | EA | 5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH) | 130.02 | 50.43 |
| | | *For >50 To 100, Deduct* | *-5.14* | |
| | | *For >100 To 250, Deduct* | *-8.39* | |
| | | *For >250 To 500, Deduct* | *-13.00* | |
| | | *For >500, Deduct* | *-17.61* | |
| 26 51 19 00-0381 | | Concealed Continuous LED Fixtures *(26 51 19 00-0001)* | | |
| 26 51 19 00-0382 | | Concealed Continuous LED Fixtures (Fraqtir™ S301) *(26 51 19 00-0381)* | | |
| 26 51 19 00-0383 | LF | Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301) | 739.63 | 5.75 |
| | | *For >50 To 100, Deduct* | *-18.78* | |
| | | *For >100 To 250, Deduct* | *-37.27* | |
| | | *For >250 To 500, Deduct* | *-73.96* | |
| | | *For >500, Deduct* | *-110.66* | |
| 26 51 19 00-0384 | LF | Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301) | 843.30 | 5.75 |
| | | *For >50 To 100, Deduct* | *-21.37* | |
| | | *For >100 To 250, Deduct* | *-42.45* | |
| | | *For >250 To 500, Deduct* | *-84.33* | |
| | | *For >500, Deduct* | *-126.21* | |
| 26 51 19 00-0385 | | Low Bay LED Fixtures *(26 51 19 00-0001)* | | |
| 26 51 19 00-0386 | | LED Linear Low Bay Fixtures (PlanLED) *(26 51 19 00-0385)* | | |
| 26 51 19 00-0387 | EA | 4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4) | 377.61 | 69.11 |
| | | *For >50 To 100, Deduct* | *-12.32* | |
| | | *For >100 To 250, Deduct* | *-21.76* | |
| | | *For >250 To 500, Deduct* | *-37.76* | |
| | | *For >500, Deduct* | *-53.76* | |
| 26 51 19 00-0388 | EA | 4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A) | 513.20 | 69.11 |
| | | *For >50 To 100, Deduct* | *-15.71* | |
| | | *For >100 To 250, Deduct* | *-28.54* | |
| | | *For >250 To 500, Deduct* | *-51.32* | |
| | | *For >500, Deduct* | *-74.10* | |
| 26 51 19 00-0389 | EA | 8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A) | 854.73 | 86.38 |
| | | *For >50 To 100, Deduct* | *-24.97* | |
| | | *For >100 To 250, Deduct* | *-46.34* | |
| | | *For >250 To 500, Deduct* | *-85.47* | |
| | | *For >500, Deduct* | *-124.61* | |
| 26 51 19 00-0390 | | LED Low Bay Fixtures (CREE®) *(26 51 19 00-0385)* | | |
| 26 51 19 00-0391 | | LED Low Bay Fixtures (CREE® LS) *(26 51 19 00-0390)* | | |
| | | Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors. | | |
| 26 51 19 00-0392 | EA | 2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V) | 338.34 | 69.11 |
| | | *For >50 To 100, Deduct* | *-11.34* | |
| | | *For >100 To 250, Deduct* | *-19.80* | |
| | | *For >250 To 500, Deduct* | *-33.83* | |
| | | *For >500, Deduct* | *-47.87* | |
| 26 51 19 00-0393 | EA | 2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V) | 361.22 | 69.11 |
| | | *For >50 To 100, Deduct* | *-11.91* | |
| | | *For >100 To 250, Deduct* | *-20.94* | |
| | | *For >250 To 500, Deduct* | *-36.12* | |
| | | *For >500, Deduct* | *-51.30* | |
| 26 51 19 00-0394 | EA | 4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V) | 347.87 | 69.11 |
| | | *For >50 To 100, Deduct* | *-11.58* | |
| | | *For >100 To 250, Deduct* | *-20.27* | |
| | | *For >250 To 500, Deduct* | *-34.79* | |
| | | *For >500, Deduct* | *-49.30* | |
| 26 51 19 00-0395 | EA | 4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V) | 370.76 | 69.11 |
| | | *For >50 To 100, Deduct* | *-12.15* | |
| | | *For >100 To 250, Deduct* | *-21.42* | |
| | | *For >250 To 500, Deduct* | *-37.08* | |
| | | *For >500, Deduct* | *-52.73* | |
| 26 51 19 00-0396 | EA | 5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V) | 387.93 | 69.11 |
| | | *For >50 To 100, Deduct* | *-12.58* | |
| | | *For >100 To 250, Deduct* | *-22.28* | |
| | | *For >250 To 500, Deduct* | *-38.79* | |
| | | *For >500, Deduct* | *-55.31* | |
| 26 51 19 00-0397 | EA | 5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V) | 410.82 | 69.11 |
| | | *For >50 To 100, Deduct* | *-13.15* | |
| | | *For >100 To 250, Deduct* | *-23.42* | |
| | | *For >250 To 500, Deduct* | *-41.08* | |
| | | *For >500, Deduct* | *-58.74* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0398 | EA | 8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V) | 544.51 | 86.38 |
| | | *For >50 To 100, Deduct* | *-17.21* | |
| | | *For >100 To 250, Deduct* | *-30.82* | |
| | | *For >250 To 500, Deduct* | *-54.45* | |
| | | *For >500, Deduct* | *-78.08* | |
| 26 51 19 00-0399 | EA | 8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V) | 586.47 | 86.38 |
| | | *For >50 To 100, Deduct* | *-18.26* | |
| | | *For >100 To 250, Deduct* | *-32.92* | |
| | | *For >250 To 500, Deduct* | *-58.65* | |
| | | *For >500, Deduct* | *-84.37* | |
| 26 51 19 00-0400 | EA | 10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V) | 674.21 | 86.38 |
| | | *For >50 To 100, Deduct* | *-20.45* | |
| | | *For >100 To 250, Deduct* | *-37.31* | |
| | | *For >250 To 500, Deduct* | *-67.42* | |
| | | *For >500, Deduct* | *-97.53* | |
| 26 51 19 00-0401 | EA | 10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V) | 697.09 | 86.38 |
| | | *For >50 To 100, Deduct* | *-21.03* | |
| | | *For >100 To 250, Deduct* | *-38.45* | |
| | | *For >250 To 500, Deduct* | *-69.71* | |
| | | *For >500, Deduct* | *-100.96* | |

## 26 51 19 00-0402 LED Low Bay Fixtures (CREE® LN) *(26 51 19 00-0390)*

Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0403 | EA | 3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V) | 761.76 | 69.11 |
| | | *For >50 To 100, Deduct* | *-21.92* | |
| | | *For >100 To 250, Deduct* | *-40.97* | |
| | | *For >250 To 500, Deduct* | *-76.18* | |
| | | *For >500, Deduct* | *-111.38* | |
| 26 51 19 00-0404 | EA | 3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA) | 857.13 | 69.11 |
| | | *For >50 To 100, Deduct* | *-24.31* | |
| | | *For >100 To 250, Deduct* | *-45.74* | |
| | | *For >250 To 500, Deduct* | *-85.71* | |
| | | *For >500, Deduct* | *-125.69* | |

## 26 51 19 00-0405 LED Linear Low Bay Fixtures (CREE® CS) *(26 51 19 00-0390)*

Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0406 | EA | 4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™) | 737.52 | 69.11 |
| | | *For >50 To 100, Deduct* | *-21.32* | |
| | | *For >100 To 250, Deduct* | *-39.76* | |
| | | *For >250 To 500, Deduct* | *-73.75* | |
| | | *For >500, Deduct* | *-107.75* | |
| 26 51 19 00-0407 | EA | 7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™) | 916.65 | 86.38 |
| | | *For >50 To 100, Deduct* | *-26.52* | |
| | | *For >100 To 250, Deduct* | *-49.43* | |
| | | *For >250 To 500, Deduct* | *-91.67* | |
| | | *For >500, Deduct* | *-133.90* | |
| 26 51 19 00-0408 | EA | 8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™) | 1,165.72 | 86.38 |
| | | *For >50 To 100, Deduct* | *-32.74* | |
| | | *For >100 To 250, Deduct* | *-61.89* | |
| | | *For >250 To 500, Deduct* | *-116.57* | |
| | | *For >500, Deduct* | *-171.26* | |

## 26 51 19 00-0409 Accessories For LED Low Bay Fixtures (CREE®) *(26 51 19 00-0390)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0410 | EA | Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK) | 65.23 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.42* | |
| | | *For >100 To 250, Deduct* | *-4.05* | |
| | | *For >250 To 500, Deduct* | *-6.52* | |
| | | *For >500, Deduct* | *-9.00* | |
| 26 51 19 00-0411 | EA | Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK) | 71.97 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.59* | |
| | | *For >100 To 250, Deduct* | *-4.39* | |
| | | *For >250 To 500, Deduct* | *-7.20* | |
| | | *For >500, Deduct* | *-10.01* | |
| 26 51 19 00-0412 | EA | Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ) | 54.00 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.14* | |
| | | *For >100 To 250, Deduct* | *-3.49* | |
| | | *For >250 To 500, Deduct* | *-5.40* | |
| | | *For >500, Deduct* | *-7.31* | |
| 26 51 19 00-0413 | EA | Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ) | 42.79 | 18.94 |
| | | *For >50 To 100, Deduct* | *-1.86* | |
| | | *For >100 To 250, Deduct* | *-2.93* | |
| | | *For >250 To 500, Deduct* | *-4.28* | |
| | | *For >500, Deduct* | *-5.63* | |
| 26 51 19 00-0414 | EA | Solid Reflector, Pair (Cree® LS4-SR) | 143.76 | 18.94 |
| | | *For >50 To 100, Deduct* | *-4.38* | |
| | | *For >100 To 250, Deduct* | *-7.98* | |
| | | *For >250 To 500, Deduct* | *-14.38* | |
| | | *For >500, Deduct* | *-20.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0415 | EA | Solid Reflector, Pair (Cree® LS8-SR) | 199.87 | 18.94 |
| | | *For >50 To 100, Deduct* | *-5.79* | |
| | | *For >100 To 250, Deduct* | *-10.78* | |
| | | *For >250 To 500, Deduct* | *-19.99* | |
| | | *For >500, Deduct* | *-29.19* | |
| 26 51 19 00-0416 | EA | 5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB) | 71.97 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.59* | |
| | | *For >100 To 250, Deduct* | *-4.39* | |
| | | *For >250 To 500, Deduct* | *-7.20* | |
| | | *For >500, Deduct* | *-10.01* | |
| 26 51 19 00-0417 | EA | 5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB) | 103.38 | 18.94 |
| | | *For >50 To 100, Deduct* | *-3.37* | |
| | | *For >100 To 250, Deduct* | *-5.96* | |
| | | *For >250 To 500, Deduct* | *-10.34* | |
| | | *For >500, Deduct* | *-14.72* | |
| 26 51 19 00-0418 | EA | 5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB) | 80.93 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.81* | |
| | | *For >100 To 250, Deduct* | *-4.84* | |
| | | *For >250 To 500, Deduct* | *-8.09* | |
| | | *For >500, Deduct* | *-11.35* | |
| 26 51 19 00-0419 | EA | 5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB) | 110.11 | 18.94 |
| | | *For >50 To 100, Deduct* | *-3.54* | |
| | | *For >100 To 250, Deduct* | *-6.29* | |
| | | *For >250 To 500, Deduct* | *-11.01* | |
| | | *For >500, Deduct* | *-15.73* | |
| 26 51 19 00-0420 | EA | 5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB) | 116.85 | 18.94 |
| | | *For >50 To 100, Deduct* | *-3.71* | |
| | | *For >100 To 250, Deduct* | *-6.63* | |
| | | *For >250 To 500, Deduct* | *-11.69* | |
| | | *For >500, Deduct* | *-16.74* | |
| 26 51 19 00-0421 | EA | 5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB) | 98.88 | 18.94 |
| | | *For >50 To 100, Deduct* | *-3.26* | |
| | | *For >100 To 250, Deduct* | *-5.73* | |
| | | *For >250 To 500, Deduct* | *-9.89* | |
| | | *For >500, Deduct* | *-14.04* | |
| 26 51 19 00-0422 | EA | 5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB) | 150.49 | 18.94 |
| | | *For >50 To 100, Deduct* | *-4.55* | |
| | | *For >100 To 250, Deduct* | *-8.31* | |
| | | *For >250 To 500, Deduct* | *-15.05* | |
| | | *For >500, Deduct* | *-21.78* | |
| 26 51 19 00-0423 | EA | Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC) | 76.45 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.70* | |
| | | *For >100 To 250, Deduct* | *-4.61* | |
| | | *For >250 To 500, Deduct* | *-7.65* | |
| | | *For >500, Deduct* | *-10.68* | |
| 26 51 19 00-0424 | EA | Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC) | 94.40 | 18.94 |
| | | *For >50 To 100, Deduct* | *-3.15* | |
| | | *For >100 To 250, Deduct* | *-5.51* | |
| | | *For >250 To 500, Deduct* | *-9.44* | |
| | | *For >500, Deduct* | *-13.37* | |
| 26 51 19 00-0425 | EA | Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC) | 71.97 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.59* | |
| | | *For >100 To 250, Deduct* | *-4.39* | |
| | | *For >250 To 500, Deduct* | *-7.20* | |
| | | *For >500, Deduct* | *-10.01* | |
| 26 51 19 00-0426 | EA | Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W) | 1,471.55 | 46.07 |
| | | *For >50 To 100, Deduct* | *-38.52* | |
| | | *For >100 To 250, Deduct* | *-75.31* | |
| | | *For >250 To 500, Deduct* | *-147.16* | |
| | | *For >500, Deduct* | *-219.00* | |
| 26 51 19 00-0427 | EA | 120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120) | 517.88 | 46.07 |
| | | *For >50 To 100, Deduct* | *-14.67* | |
| | | *For >100 To 250, Deduct* | *-27.62* | |
| | | *For >250 To 500, Deduct* | *-51.79* | |
| | | *For >500, Deduct* | *-75.95* | |

### 26 51 19 00-0428 LED Linear Low Bay Fixtures (Lithonia MSL) *(26 51 19 00-0385)*

Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0429 | EA | 4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL) | 1,005.89 | 69.11 |
| | | *For >50 To 100, Deduct* | *-28.03* | |
| | | *For >100 To 250, Deduct* | *-53.17* | |
| | | *For >250 To 500, Deduct* | *-100.59* | |
| | | *For >500, Deduct* | *-148.00* | |

### 26 51 19 00-0430 High Bay LED Fixtures *(26 51 19 00-0001)*

### 26 51 19 00-0431 LED High Bay Fixtures (Columbia Lighting LWS) *(26 51 19 00-0430)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0432 | EA | 16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU) | 506.76 | 126.70 |
| | | *For >50 To 100, Deduct* | *-19.00* | |
| | | *For >100 To 250, Deduct* | *-31.67* | |
| | | *For >250 To 500, Deduct* | *-50.68* | |
| | | *For >500, Deduct* | *-69.68* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0433 | EA | 16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU) | 506.76 | 126.70 |
| | | *For >50 To 100, Deduct* | *-19.00* | |
| | | *For >100 To 250, Deduct* | *-31.67* | |
| | | *For >250 To 500, Deduct* | *-50.68* | |
| | | *For >500, Deduct* | *-69.68* | |
| 26 51 19 00-0434 | EA | 16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU) | 567.57 | 126.70 |
| | | *For >50 To 100, Deduct* | *-20.52* | |
| | | *For >100 To 250, Deduct* | *-34.71* | |
| | | *For >250 To 500, Deduct* | *-56.76* | |
| | | *For >500, Deduct* | *-78.80* | |
| 26 51 19 00-0435 | EA | 16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU) | 567.57 | 126.70 |
| | | *For >50 To 100, Deduct* | *-20.52* | |
| | | *For >100 To 250, Deduct* | *-34.71* | |
| | | *For >250 To 500, Deduct* | *-56.76* | |
| | | *For >500, Deduct* | *-78.80* | |
| 26 51 19 00-0436 | EA | 16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU) | 668.92 | 126.70 |
| | | *For >50 To 100, Deduct* | *-23.06* | |
| | | *For >100 To 250, Deduct* | *-39.78* | |
| | | *For >250 To 500, Deduct* | *-66.89* | |
| | | *For >500, Deduct* | *-94.00* | |
| 26 51 19 00-0437 | EA | 16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU) | 668.92 | 126.70 |
| | | *For >50 To 100, Deduct* | *-23.06* | |
| | | *For >100 To 250, Deduct* | *-39.78* | |
| | | *For >250 To 500, Deduct* | *-66.89* | |
| | | *For >500, Deduct* | *-94.00* | |
| 26 51 19 00-0438 | EA | 16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU) | 709.46 | 126.70 |
| | | *For >50 To 100, Deduct* | *-24.07* | |
| | | *For >100 To 250, Deduct* | *-41.81* | |
| | | *For >250 To 500, Deduct* | *-70.95* | |
| | | *For >500, Deduct* | *-100.08* | |
| 26 51 19 00-0439 | EA | 16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU) | 709.46 | 126.70 |
| | | *For >50 To 100, Deduct* | *-24.07* | |
| | | *For >100 To 250, Deduct* | *-41.81* | |
| | | *For >250 To 500, Deduct* | *-70.95* | |
| | | *For >500, Deduct* | *-100.08* | |
| 26 51 19 00-0440 | EA | 16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU) | 739.86 | 126.70 |
| | | *For >50 To 100, Deduct* | *-24.83* | |
| | | *For >100 To 250, Deduct* | *-43.33* | |
| | | *For >250 To 500, Deduct* | *-73.99* | |
| | | *For >500, Deduct* | *-104.64* | |
| 26 51 19 00-0441 | EA | 16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU) | 739.86 | 126.70 |
| | | *For >50 To 100, Deduct* | *-24.83* | |
| | | *For >100 To 250, Deduct* | *-43.33* | |
| | | *For >250 To 500, Deduct* | *-73.99* | |
| | | *For >500, Deduct* | *-104.64* | |

## 26 51 19 00-0442 LED High Bay Fixtures (Cree) *(26 51 19 00-0430)*

## 26 51 19 00-0443 LED High Bay Fixtures (CREE®) *(26 51 19 00-0442)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0444 | EA | 18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V) | 899.98 | 126.70 |
| | | *For >50 To 100, Deduct* | *-28.83* | |
| | | *For >100 To 250, Deduct* | *-51.33* | |
| | | *For >250 To 500, Deduct* | *-90.00* | |
| | | *For >500, Deduct* | *-128.66* | |
| 26 51 19 00-0445 | EA | 18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML) | 1,083.64 | 126.70 |
| | | *For >50 To 100, Deduct* | *-33.43* | |
| | | *For >100 To 250, Deduct* | *-60.52* | |
| | | *For >250 To 500, Deduct* | *-108.36* | |
| | | *For >500, Deduct* | *-156.21* | |
| 26 51 19 00-0446 | EA | 18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V) | 993.90 | 126.70 |
| | | *For >50 To 100, Deduct* | *-31.18* | |
| | | *For >100 To 250, Deduct* | *-56.03* | |
| | | *For >250 To 500, Deduct* | *-99.39* | |
| | | *For >500, Deduct* | *-142.75* | |
| 26 51 19 00-0447 | EA | 18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML) | 1,139.75 | 126.70 |
| | | *For >50 To 100, Deduct* | *-34.83* | |
| | | *For >100 To 250, Deduct* | *-63.32* | |
| | | *For >250 To 500, Deduct* | *-113.98* | |
| | | *For >500, Deduct* | *-164.63* | |
| 26 51 19 00-0448 | EA | 24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V) | 932.41 | 126.70 |
| | | *For >50 To 100, Deduct* | *-29.65* | |
| | | *For >100 To 250, Deduct* | *-52.96* | |
| | | *For >250 To 500, Deduct* | *-93.24* | |
| | | *For >500, Deduct* | *-133.53* | |
| 26 51 19 00-0449 | EA | 24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML) | 1,117.30 | 126.70 |
| | | *For >50 To 100, Deduct* | *-34.27* | |
| | | *For >100 To 250, Deduct* | *-62.20* | |
| | | *For >250 To 500, Deduct* | *-111.73* | |
| | | *For >500, Deduct* | *-161.26* | |
| 26 51 19 00-0450 | EA | 24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V) | 1,027.55 | 126.70 |
| | | *For >50 To 100, Deduct* | *-32.02* | |
| | | *For >100 To 250, Deduct* | *-57.71* | |
| | | *For >250 To 500, Deduct* | *-102.76* | |
| | | *For >500, Deduct* | *-147.80* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0451 | EA | 24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML) | 1,173.40 | 126.70 |
| | | *For >50 To 100, Deduct* | *-35.67* | |
| | | *For >100 To 250, Deduct* | *-65.01* | |
| | | *For >250 To 500, Deduct* | *-117.34* | |
| | | *For >500, Deduct* | *-169.68* | |

## 26 51 19 00-0452 Accessories For LED High Bay Fixtures (CREE®) *(26 51 19 00-0442)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0453 | EA | 15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P) | 65.23 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.42* | |
| | | *For >100 To 250, Deduct* | *-4.05* | |
| | | *For >250 To 500, Deduct* | *-6.52* | |
| | | *For >500, Deduct* | *-9.00* | |
| 26 51 19 00-0454 | EA | 15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P) | 65.23 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.42* | |
| | | *For >100 To 250, Deduct* | *-4.05* | |
| | | *For >250 To 500, Deduct* | *-6.52* | |
| | | *For >500, Deduct* | *-9.00* | |
| 26 51 19 00-0455 | EA | 16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N) | 87.66 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.98* | |
| | | *For >100 To 250, Deduct* | *-5.17* | |
| | | *For >250 To 500, Deduct* | *-8.77* | |
| | | *For >500, Deduct* | *-12.36* | |
| 26 51 19 00-0456 | EA | 16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16) | 132.54 | 18.94 |
| | | *For >50 To 100, Deduct* | *-4.10* | |
| | | *For >100 To 250, Deduct* | *-7.42* | |
| | | *For >250 To 500, Deduct* | *-13.25* | |
| | | *For >500, Deduct* | *-19.09* | |
| 26 51 19 00-0457 | EA | 16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16) | 154.99 | 18.94 |
| | | *For >50 To 100, Deduct* | *-4.66* | |
| | | *For >100 To 250, Deduct* | *-8.54* | |
| | | *For >250 To 500, Deduct* | *-15.50* | |
| | | *For >500, Deduct* | *-22.46* | |
| 26 51 19 00-0458 | EA | 16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16) | 87.66 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.98* | |
| | | *For >100 To 250, Deduct* | *-5.17* | |
| | | *For >250 To 500, Deduct* | *-8.77* | |
| | | *For >500, Deduct* | *-12.36* | |
| 26 51 19 00-0459 | EA | 16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16) | 89.92 | 18.94 |
| | | *For >50 To 100, Deduct* | *-3.04* | |
| | | *For >100 To 250, Deduct* | *-5.29* | |
| | | *For >250 To 500, Deduct* | *-8.99* | |
| | | *For >500, Deduct* | *-12.70* | |
| 26 51 19 00-0460 | EA | 16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A) | 65.23 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.42* | |
| | | *For >100 To 250, Deduct* | *-4.05* | |
| | | *For >250 To 500, Deduct* | *-6.52* | |
| | | *For >500, Deduct* | *-9.00* | |
| 26 51 19 00-0461 | EA | 16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP) | 69.72 | 18.94 |
| | | *For >50 To 100, Deduct* | *-2.53* | |
| | | *For >100 To 250, Deduct* | *-4.28* | |
| | | *For >250 To 500, Deduct* | *-6.97* | |
| | | *For >500, Deduct* | *-9.67* | |
| 26 51 19 00-0462 | EA | 5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5) | 45.04 | 18.94 |
| | | *For >50 To 100, Deduct* | *-1.92* | |
| | | *For >100 To 250, Deduct* | *-3.04* | |
| | | *For >250 To 500, Deduct* | *-4.50* | |
| | | *For >500, Deduct* | *-5.97* | |
| 26 51 19 00-0463 | EA | 10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10) | 47.29 | 18.94 |
| | | *For >50 To 100, Deduct* | *-1.97* | |
| | | *For >100 To 250, Deduct* | *-3.15* | |
| | | *For >250 To 500, Deduct* | *-4.73* | |
| | | *For >500, Deduct* | *-6.30* | |

## 26 51 19 00-0464 LED High Bay Fixtures (DLE) *(26 51 19 00-0430)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0465 | EA | 12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV) | 1,475.90 | 126.70 |
| | | *For >50 To 100, Deduct* | *-43.23* | |
| | | *For >100 To 250, Deduct* | *-80.13* | |
| | | *For >250 To 500, Deduct* | *-147.59* | |
| | | *For >500, Deduct* | *-215.05* | |
| 26 51 19 00-0466 | EA | 18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV) | 1,812.69 | 126.70 |
| | | *For >50 To 100, Deduct* | *-51.65* | |
| | | *For >100 To 250, Deduct* | *-96.97* | |
| | | *For >250 To 500, Deduct* | *-181.27* | |
| | | *For >500, Deduct* | *-265.57* | |
| 26 51 19 00-0467 | EA | 24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV) | 2,125.42 | 126.70 |
| | | *For >50 To 100, Deduct* | *-59.47* | |
| | | *For >100 To 250, Deduct* | *-112.61* | |
| | | *For >250 To 500, Deduct* | *-212.54* | |
| | | *For >500, Deduct* | *-312.48* | |

## 26 51 19 00-0468 LED High Bay Fixtures (Everlast) *(26 51 19 00-0430)*

## 26 51 19 00-0469 LED High Bay Fixtures (Everlast EL-LED-LG) *(26 51 19 00-0468)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0470 | EA | 13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC) | 996.96 | 126.70 |
| | | *For >50 To 100, Deduct* | *-31.26* | |
| | | *For >100 To 250, Deduct* | *-56.18* | |
| | | *For >250 To 500, Deduct* | *-99.70* | |
| | | *For >500, Deduct* | *-143.21* | |
| 26 51 19 00-0471 | EA | 13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO) | 1,053.82 | 126.70 |
| | | *For >50 To 100, Deduct* | *-32.68* | |
| | | *For >100 To 250, Deduct* | *-59.03* | |
| | | *For >250 To 500, Deduct* | *-105.38* | |
| | | *For >500, Deduct* | *-151.74* | |
| 26 51 19 00-0472 | EA | 15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16) | 940.10 | 126.70 |
| | | *For >50 To 100, Deduct* | *-29.84* | |
| | | *For >100 To 250, Deduct* | *-53.34* | |
| | | *For >250 To 500, Deduct* | *-94.01* | |
| | | *For >500, Deduct* | *-134.68* | |
| 26 51 19 00-0473 | EA | 15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22) | 964.16 | 126.70 |
| | | *For >50 To 100, Deduct* | *-30.44* | |
| | | *For >100 To 250, Deduct* | *-54.54* | |
| | | *For >250 To 500, Deduct* | *-96.42* | |
| | | *For >500, Deduct* | *-138.29* | |
| 26 51 19 00-0474 | EA | 17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC) | 1,095.37 | 126.70 |
| | | *For >50 To 100, Deduct* | *-33.72* | |
| | | *For >100 To 250, Deduct* | *-61.10* | |
| | | *For >250 To 500, Deduct* | *-109.54* | |
| | | *For >500, Deduct* | *-157.97* | |
| 26 51 19 00-0475 | EA | 17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO) | 1,193.78 | 126.70 |
| | | *For >50 To 100, Deduct* | *-36.18* | |
| | | *For >100 To 250, Deduct* | *-66.02* | |
| | | *For >250 To 500, Deduct* | *-119.38* | |
| | | *For >500, Deduct* | *-172.73* | |
| 26 51 19 00-0476 | EA | 20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16) | 1,042.89 | 126.70 |
| | | *For >50 To 100, Deduct* | *-32.41* | |
| | | *For >100 To 250, Deduct* | *-58.48* | |
| | | *For >250 To 500, Deduct* | *-104.29* | |
| | | *For >500, Deduct* | *-150.10* | |
| 26 51 19 00-0477 | EA | 20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22) | 1,128.18 | 126.70 |
| | | *For >50 To 100, Deduct* | *-34.54* | |
| | | *For >100 To 250, Deduct* | *-62.74* | |
| | | *For >250 To 500, Deduct* | *-112.82* | |
| | | *For >500, Deduct* | *-162.89* | |
| 26 51 19 00-0478 | EA | 34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30) | 1,642.11 | 126.70 |
| | | *For >50 To 100, Deduct* | *-47.39* | |
| | | *For >100 To 250, Deduct* | *-88.44* | |
| | | *For >250 To 500, Deduct* | *-164.21* | |
| | | *For >500, Deduct* | *-239.98* | |
| 26 51 19 00-0479 | EA | 43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30) | 1,795.19 | 126.70 |
| | | *For >50 To 100, Deduct* | *-51.21* | |
| | | *For >100 To 250, Deduct* | *-96.09* | |
| | | *For >250 To 500, Deduct* | *-179.52* | |
| | | *For >500, Deduct* | *-262.94* | |
| 26 51 19 00-0480 | EA | 66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30) | 2,232.58 | 126.70 |
| | | *For >50 To 100, Deduct* | *-62.15* | |
| | | *For >100 To 250, Deduct* | *-117.96* | |
| | | *For >250 To 500, Deduct* | *-223.26* | |
| | | *For >500, Deduct* | *-328.55* | |

### 26 51 19 00-0481 LED High Bay Fixtures (Everlast EL-LED-CS) *(26 51 19 00-0468)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0482 | EA | 5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS) | 625.18 | 126.70 |
| | | *For >50 To 100, Deduct* | *-21.96* | |
| | | *For >100 To 250, Deduct* | *-37.59* | |
| | | *For >250 To 500, Deduct* | *-62.52* | |
| | | *For >500, Deduct* | *-87.44* | |
| 26 51 19 00-0483 | EA | 10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS) | 920.42 | 126.70 |
| | | *For >50 To 100, Deduct* | *-29.35* | |
| | | *For >100 To 250, Deduct* | *-52.36* | |
| | | *For >250 To 500, Deduct* | *-92.04* | |
| | | *For >500, Deduct* | *-131.73* | |
| 26 51 19 00-0484 | EA | 15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS) | 1,051.63 | 126.70 |
| | | *For >50 To 100, Deduct* | *-32.63* | |
| | | *For >100 To 250, Deduct* | *-58.92* | |
| | | *For >250 To 500, Deduct* | *-105.16* | |
| | | *For >500, Deduct* | *-151.41* | |
| 26 51 19 00-0485 | EA | 20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS) | 1,204.72 | 126.70 |
| | | *For >50 To 100, Deduct* | *-36.45* | |
| | | *For >100 To 250, Deduct* | *-66.57* | |
| | | *For >250 To 500, Deduct* | *-120.47* | |
| | | *For >500, Deduct* | *-174.37* | |
| 26 51 19 00-0486 | EA | 30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS) | 1,303.13 | 126.70 |
| | | *For >50 To 100, Deduct* | *-38.91* | |
| | | *For >100 To 250, Deduct* | *-71.49* | |
| | | *For >250 To 500, Deduct* | *-130.31* | |
| | | *For >500, Deduct* | *-189.13* | |

### 26 51 19 00-0487 LED High Bay Fixtures (Everlast EL-LED-HB-LG) *(26 51 19 00-0468)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0488 | EA | 10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG) | 822.00 | 126.70 |
| | | *For >50 To 100, Deduct* | *-26.89* | |
| | | *For >100 To 250, Deduct* | *-47.44* | |
| | | *For >250 To 500, Deduct* | *-82.20* | |
| | | *For >500, Deduct* | *-116.97* | |
| 26 51 19 00-0489 | EA | 15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG) | 876.68 | 126.70 |
| | | *For >50 To 100, Deduct* | *-28.25* | |
| | | *For >100 To 250, Deduct* | *-50.17* | |
| | | *For >250 To 500, Deduct* | *-87.67* | |
| | | *For >500, Deduct* | *-125.17* | |
| 26 51 19 00-0490 | EA | 20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG) | 953.22 | 126.70 |
| | | *For >50 To 100, Deduct* | *-30.17* | |
| | | *For >100 To 250, Deduct* | *-54.00* | |
| | | *For >250 To 500, Deduct* | *-95.32* | |
| | | *For >500, Deduct* | *-136.65* | |

## 26 51 19 00-0491 LED High Bay Fixtures (Everlast EL-LED-LHB) *(26 51 19 00-0468)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0492 | EA | 13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB) | 835.13 | 126.70 |
| | | *For >50 To 100, Deduct* | *-27.21* | |
| | | *For >100 To 250, Deduct* | *-48.09* | |
| | | *For >250 To 500, Deduct* | *-83.51* | |
| | | *For >500, Deduct* | *-118.93* | |
| 26 51 19 00-0493 | EA | 26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB) | 1,029.76 | 126.70 |
| | | *For >50 To 100, Deduct* | *-32.08* | |
| | | *For >100 To 250, Deduct* | *-57.82* | |
| | | *For >250 To 500, Deduct* | *-102.98* | |
| | | *For >500, Deduct* | *-148.13* | |
| 26 51 19 00-0494 | EA | 39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB) | 1,281.26 | 126.70 |
| | | *For >50 To 100, Deduct* | *-38.37* | |
| | | *For >100 To 250, Deduct* | *-70.40* | |
| | | *For >250 To 500, Deduct* | *-128.13* | |
| | | *For >500, Deduct* | *-185.85* | |

## 26 51 19 00-0495 LED High Bay Fixtures (Lithonia IBG) *(26 51 19 00-0430)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0496 | EA | 8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT) | 465.66 | 124.39 |
| | | *For >50 To 100, Deduct* | *-16.37* | |
| | | *For >100 To 250, Deduct* | *-28.01* | |
| | | *For >250 To 500, Deduct* | *-46.57* | |
| | | *For >500, Deduct* | *-65.12* | |
| 26 51 19 00-0497 | EA | 12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT) | 484.45 | 124.39 |
| | | *For >50 To 100, Deduct* | *-16.84* | |
| | | *For >100 To 250, Deduct* | *-28.95* | |
| | | *For >250 To 500, Deduct* | *-48.45* | |
| | | *For >500, Deduct* | *-67.94* | |
| 26 51 19 00-0498 | EA | 15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT) | 526.73 | 124.39 |
| | | *For >50 To 100, Deduct* | *-17.90* | |
| | | *For >100 To 250, Deduct* | *-31.07* | |
| | | *For >250 To 500, Deduct* | *-52.67* | |
| | | *For >500, Deduct* | *-74.28* | |
| 26 51 19 00-0499 | EA | 18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT) | 593.48 | 124.39 |
| | | *For >50 To 100, Deduct* | *-19.57* | |
| | | *For >100 To 250, Deduct* | *-34.41* | |
| | | *For >250 To 500, Deduct* | *-59.35* | |
| | | *For >500, Deduct* | *-84.29* | |
| 26 51 19 00-0500 | EA | 24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT) | 647.82 | 124.39 |
| | | *For >50 To 100, Deduct* | *-20.93* | |
| | | *For >100 To 250, Deduct* | *-37.12* | |
| | | *For >250 To 500, Deduct* | *-64.78* | |
| | | *For >500, Deduct* | *-92.44* | |
| 26 51 19 00-0501 | EA | 30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT) | 775.57 | 124.39 |
| | | *For >50 To 100, Deduct* | *-24.12* | |
| | | *For >100 To 250, Deduct* | *-43.51* | |
| | | *For >250 To 500, Deduct* | *-77.56* | |
| | | *For >500, Deduct* | *-111.60* | |
| 26 51 19 00-0502 | EA | 36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT) | 938.66 | 124.39 |
| | | *For >50 To 100, Deduct* | *-28.20* | |
| | | *For >100 To 250, Deduct* | *-51.66* | |
| | | *For >250 To 500, Deduct* | *-93.87* | |
| | | *For >500, Deduct* | *-136.07* | |
| 26 51 19 00-0503 | EA | 48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT) | 1,354.40 | 126.70 |
| | | *For >50 To 100, Deduct* | *-40.20* | |
| | | *For >100 To 250, Deduct* | *-74.06* | |
| | | *For >250 To 500, Deduct* | *-135.44* | |
| | | *For >500, Deduct* | *-196.83* | |

## 26 51 19 00-0504 LED High Bay Fixtures (Lithonia IBL) *(26 51 19 00-0430)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0505 | EA | 9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L) | 642.22 | 126.70 |
| | | *For >50 To 100, Deduct* | *-22.39* | |
| | | *For >100 To 250, Deduct* | *-38.45* | |
| | | *For >250 To 500, Deduct* | *-64.22* | |
| | | *For >500, Deduct* | *-90.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0506 | EA | 12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L) | 692.89 | 126.70 |
| | | *For >50 To 100, Deduct* | *-23.66* | |
| | | *For >100 To 250, Deduct* | *-40.98* | |
| | | *For >250 To 500, Deduct* | *-69.29* | |
| | | *For >500, Deduct* | *-97.60* | |
| 26 51 19 00-0507 | EA | 18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L) | 829.71 | 126.70 |
| | | *For >50 To 100, Deduct* | *-27.08* | |
| | | *For >100 To 250, Deduct* | *-47.82* | |
| | | *For >250 To 500, Deduct* | *-82.97* | |
| | | *For >500, Deduct* | *-118.12* | |
| 26 51 19 00-0508 | EA | 24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L) | 884.43 | 126.70 |
| | | *For >50 To 100, Deduct* | *-28.45* | |
| | | *For >100 To 250, Deduct* | *-50.56* | |
| | | *For >250 To 500, Deduct* | *-88.44* | |
| | | *For >500, Deduct* | *-126.33* | |

## 26 51 19 00-0509 LED High Bay Fixtures (Metalux SSLED) *(26 51 19 00-0430)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0510 | EA | 12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U) | 763.27 | 126.70 |
| | | *For >50 To 100, Deduct* | *-25.42* | |
| | | *For >100 To 250, Deduct* | *-44.50* | |
| | | *For >250 To 500, Deduct* | *-76.33* | |
| | | *For >500, Deduct* | *-108.16* | |
| 26 51 19 00-0511 | EA | 15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U) | 783.30 | 126.70 |
| | | *For >50 To 100, Deduct* | *-25.92* | |
| | | *For >100 To 250, Deduct* | *-45.50* | |
| | | *For >250 To 500, Deduct* | *-78.33* | |
| | | *For >500, Deduct* | *-111.16* | |
| 26 51 19 00-0512 | EA | 18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U) | 791.37 | 126.70 |
| | | *For >50 To 100, Deduct* | *-26.12* | |
| | | *For >100 To 250, Deduct* | *-45.90* | |
| | | *For >250 To 500, Deduct* | *-79.14* | |
| | | *For >500, Deduct* | *-112.37* | |
| 26 51 19 00-0513 | EA | 24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U) | 868.17 | 126.70 |
| | | *For >50 To 100, Deduct* | *-28.04* | |
| | | *For >100 To 250, Deduct* | *-49.74* | |
| | | *For >250 To 500, Deduct* | *-86.82* | |
| | | *For >500, Deduct* | *-123.89* | |
| 26 51 19 00-0514 | EA | 30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U) | 957.63 | 126.70 |
| | | *For >50 To 100, Deduct* | *-30.28* | |
| | | *For >100 To 250, Deduct* | *-54.22* | |
| | | *For >250 To 500, Deduct* | *-95.76* | |
| | | *For >500, Deduct* | *-137.31* | |
| 26 51 19 00-0515 | EA | 36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U) | 991.20 | 126.70 |
| | | *For >50 To 100, Deduct* | *-31.12* | |
| | | *For >100 To 250, Deduct* | *-55.90* | |
| | | *For >250 To 500, Deduct* | *-99.12* | |
| | | *For >500, Deduct* | *-142.35* | |

## 26 51 19 00-0516 LED High Bay Fixtures (PlanLED) *(26 51 19 00-0430)*

## 26 51 19 00-0517 LED High Bay Fixtures (PlanLED LUNA) *(26 51 19 00-0516)*

Note: Includes aluminum alloy chassis.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0518 | EA | 7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70) | 970.72 | 126.70 |
| | | *For >50 To 100, Deduct* | *-30.60* | |
| | | *For >100 To 250, Deduct* | *-54.87* | |
| | | *For >250 To 500, Deduct* | *-97.07* | |
| | | *For >500, Deduct* | *-139.27* | |
| 26 51 19 00-0519 | EA | 9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98) | 1,093.18 | 126.70 |
| | | *For >50 To 100, Deduct* | *-33.66* | |
| | | *For >100 To 250, Deduct* | *-60.99* | |
| | | *For >250 To 500, Deduct* | *-109.32* | |
| | | *For >500, Deduct* | *-157.64* | |
| 26 51 19 00-0520 | EA | 13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130) | 1,270.33 | 126.70 |
| | | *For >50 To 100, Deduct* | *-38.09* | |
| | | *For >100 To 250, Deduct* | *-69.85* | |
| | | *For >250 To 500, Deduct* | *-127.03* | |
| | | *For >500, Deduct* | *-184.21* | |
| 26 51 19 00-0521 | EA | 16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160) | 1,443.10 | 126.70 |
| | | *For >50 To 100, Deduct* | *-42.41* | |
| | | *For >100 To 250, Deduct* | *-78.49* | |
| | | *For >250 To 500, Deduct* | *-144.31* | |
| | | *For >500, Deduct* | *-210.13* | |

## 26 51 19 00-0522 LED High Bay Fixtures (PlanLED IBL) *(26 51 19 00-0516)*

Note: Includes aluminum alloy chassis.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0523 | EA | 13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W) | 1,058.19 | 126.70 |
| | | *For 480 Volt, Add* | *61.39* | |
| | | *For >50 To 100, Deduct* | *-32.79* | |
| | | *For >100 To 250, Deduct* | *-59.24* | |
| | | *For >250 To 500, Deduct* | *-105.82* | |
| | | *For >500, Deduct* | *-152.39* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0524 | EA | 21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W) | 1,484.65 | 126.70 |
| | | *For 480 Volt, Add* | *77.79* | |
| | | *For >50 To 100, Deduct* | *-43.45* | |
| | | *For >100 To 250, Deduct* | *-80.57* | |
| | | *For >250 To 500, Deduct* | *-148.47* | |
| | | *For >500, Deduct* | *-216.36* | |
| 26 51 19 00-0525 | EA | 42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W) | 2,659.03 | 126.70 |
| | | *For 480 Volt, Add* | *123.44* | |
| | | *For >50 To 100, Deduct* | *-72.81* | |
| | | *For >100 To 250, Deduct* | *-139.29* | |
| | | *For >250 To 500, Deduct* | *-265.90* | |
| | | *For >500, Deduct* | *-392.52* | |

### 26 51 19 00-0526 LED High Bay Fixtures (PlanLED SEGA) *(26 51 19 00-0516)*

Note: Includes aluminum alloy chassis.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0527 | EA | 10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080) | 828.57 | 126.70 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For >50 To 100, Deduct* | *-27.05* | |
| | | *For >100 To 250, Deduct* | *-47.76* | |
| | | *For >250 To 500, Deduct* | *-82.86* | |
| | | *For >500, Deduct* | *-117.95* | |
| 26 51 19 00-0528 | EA | 13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100) | 887.61 | 126.70 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For >50 To 100, Deduct* | *-28.53* | |
| | | *For >100 To 250, Deduct* | *-50.72* | |
| | | *For >250 To 500, Deduct* | *-88.76* | |
| | | *For >500, Deduct* | *-126.81* | |
| 26 51 19 00-0529 | EA | 16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130) | 1,091.00 | 126.70 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For >50 To 100, Deduct* | *-33.61* | |
| | | *For >100 To 250, Deduct* | *-60.89* | |
| | | *For >250 To 500, Deduct* | *-109.10* | |
| | | *For >500, Deduct* | *-157.32* | |
| 26 51 19 00-0530 | EA | 20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160) | 1,237.52 | 126.70 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For >50 To 100, Deduct* | *-37.27* | |
| | | *For >100 To 250, Deduct* | *-68.21* | |
| | | *For >250 To 500, Deduct* | *-123.75* | |
| | | *For >500, Deduct* | *-179.29* | |
| 26 51 19 00-0531 | EA | 50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400) | 2,317.87 | 126.70 |
| | | *For >50 To 100, Deduct* | *-64.28* | |
| | | *For >100 To 250, Deduct* | *-122.23* | |
| | | *For >250 To 500, Deduct* | *-231.79* | |
| | | *For >500, Deduct* | *-341.35* | |
| 26 51 19 00-0532 | EA | 57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500) | 2,510.32 | 126.70 |
| | | *For >50 To 100, Deduct* | *-69.09* | |
| | | *For >100 To 250, Deduct* | *-131.85* | |
| | | *For >250 To 500, Deduct* | *-251.03* | |
| | | *For >500, Deduct* | *-370.21* | |
| 26 51 19 00-0533 | EA | 80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640) | 3,835.34 | 126.70 |
| | | *For >50 To 100, Deduct* | *-102.22* | |
| | | *For >100 To 250, Deduct* | *-198.10* | |
| | | *For >250 To 500, Deduct* | *-383.53* | |
| | | *For >500, Deduct* | *-568.97* | |

### 26 51 19 00-0534 Wet/Hazardous Location, LED Fixtures *(26 51 19 00-0001)*

### 26 51 19 00-0535 Wet Location, LED Fixtures *(26 51 19 00-0534)*

### 26 51 19 00-0536 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 19 00-0535)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0537 | EA | 3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L) | 2,717.53 | 96.75 |
| | | *For Ceiling Mount, Add* | *23.84* | |
| | | *For Quick Clip Mounting Option, Add* | *35.05* | |
| | | *For Frosted Lens, Add* | *75.38* | |
| | | *For Warm White Color Rendering, Add* | *97.03* | |
| | | *For Stanchion Mount, Add* | *162.62* | |
| | | *For Wall Mount, Add* | *180.02* | |
| | | *For Polycarbonate Lens, Add* | *139.71* | |
| | | *For Teflon Coated Lens, Add* | *159.99* | |
| | | *For 480 Volt, Add* | *228.54* | |
| | | *For >50 To 100, Deduct* | *-71.97* | |
| | | *For >100 To 250, Deduct* | *-139.91* | |
| | | *For >250 To 500, Deduct* | *-271.75* | |
| | | *For >500, Deduct* | *-403.60* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0538 | EA | 5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L) | 2,769.34 | 103.66 |
| | | *For Ceiling Mount, Add* | *23.84* | |
| | | *For Quick Clip Mounting Option, Add* | *35.05* | |
| | | *For Frosted Lens, Add* | *75.38* | |
| | | *For Warm White Color Rendering, Add* | *97.03* | |
| | | *For Stanchion Mount, Add* | *162.62* | |
| | | *For Wall Mount, Add* | *180.02* | |
| | | *For Polycarbonate Lens, Add* | *139.71* | |
| | | *For Teflon Coated Lens, Add* | *159.99* | |
| | | *For 480 Volt, Add* | *228.54* | |
| | | *For >50 To 100, Deduct* | *-73.55* | |
| | | *For >100 To 250, Deduct* | *-142.79* | |
| | | *For >250 To 500, Deduct* | *-276.93* | |
| | | *For >500, Deduct* | *-411.08* | |
| 26 51 19 00-0539 | EA | 7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L) | 3,127.70 | 110.57 |
| | | *For Ceiling Mount, Add* | *23.84* | |
| | | *For Quick Clip Mounting Option, Add* | *35.05* | |
| | | *For Frosted Lens, Add* | *75.38* | |
| | | *For Warm White Color Rendering, Add* | *97.03* | |
| | | *For Stanchion Mount, Add* | *162.62* | |
| | | *For Wall Mount, Add* | *180.02* | |
| | | *For Polycarbonate Lens, Add* | *139.71* | |
| | | *For Teflon Coated Lens, Add* | *159.99* | |
| | | *For 480 Volt, Add* | *228.54* | |
| | | *For >50 To 100, Deduct* | *-82.80* | |
| | | *For >100 To 250, Deduct* | *-160.99* | |
| | | *For >250 To 500, Deduct* | *-312.77* | |
| | | *For >500, Deduct* | *-464.55* | |
| 26 51 19 00-0540 | EA | 9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L) | 3,767.40 | 117.49 |
| | | *For Ceiling Mount, Add* | *23.84* | |
| | | *For Quick Clip Mounting Option, Add* | *35.05* | |
| | | *For Frosted Lens, Add* | *75.38* | |
| | | *For Warm White Color Rendering, Add* | *97.03* | |
| | | *For Stanchion Mount, Add* | *162.62* | |
| | | *For Wall Mount, Add* | *180.02* | |
| | | *For Polycarbonate Lens, Add* | *139.71* | |
| | | *For Teflon Coated Lens, Add* | *159.99* | |
| | | *For 480 Volt, Add* | *228.54* | |
| | | *For >50 To 100, Deduct* | *-99.08* | |
| | | *For >100 To 250, Deduct* | *-193.27* | |
| | | *For >250 To 500, Deduct* | *-376.74* | |
| | | *For >500, Deduct* | *-560.21* | |
| 26 51 19 00-0541 | EA | 11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L) | 4,808.99 | 124.39 |
| | | *For Ceiling Mount, Add* | *23.84* | |
| | | *For Quick Clip Mounting Option, Add* | *35.05* | |
| | | *For Frosted Lens, Add* | *75.38* | |
| | | *For Warm White Color Rendering, Add* | *97.03* | |
| | | *For Stanchion Mount, Add* | *162.62* | |
| | | *For Wall Mount, Add* | *180.02* | |
| | | *For Polycarbonate Lens, Add* | *139.71* | |
| | | *For Teflon Coated Lens, Add* | *159.99* | |
| | | *For 480 Volt, Add* | *228.54* | |
| | | *For >50 To 100, Deduct* | *-125.41* | |
| | | *For >100 To 250, Deduct* | *-245.63* | |
| | | *For >250 To 500, Deduct* | *-480.90* | |
| | | *For >500, Deduct* | *-716.17* | |
| 26 51 19 00-0542 | EA | 13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L) | 6,333.73 | 127.85 |
| | | *For Ceiling Mount, Add* | *23.84* | |
| | | *For Quick Clip Mounting Option, Add* | *35.05* | |
| | | *For Frosted Lens, Add* | *75.38* | |
| | | *For Warm White Color Rendering, Add* | *97.03* | |
| | | *For Stanchion Mount, Add* | *162.62* | |
| | | *For Wall Mount, Add* | *180.02* | |
| | | *For Polycarbonate Lens, Add* | *139.71* | |
| | | *For Teflon Coated Lens, Add* | *159.99* | |
| | | *For 480 Volt, Add* | *228.54* | |
| | | *For >50 To 100, Deduct* | *-163.67* | |
| | | *For >100 To 250, Deduct* | *-322.01* | |
| | | *For >250 To 500, Deduct* | *-633.37* | |
| | | *For >500, Deduct* | *-944.73* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0543 | EA | 18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L) | 7,338.39 | 131.30 |
| | | *For Ceiling Mount, Add* | *23.84* | |
| | | *For Quick Clip Mounting Option, Add* | *35.05* | |
| | | *For Frosted Lens, Add* | *75.38* | |
| | | *For Warm White Color Rendering, Add* | *97.03* | |
| | | *For Stanchion Mount, Add* | *162.62* | |
| | | *For Wall Mount, Add* | *180.02* | |
| | | *For Polycarbonate Lens, Add* | *139.71* | |
| | | *For Teflon Coated Lens, Add* | *159.99* | |
| | | *For 480 Volt, Add* | *228.54* | |
| | | *For >50 To 100, Deduct* | *-188.93* | |
| | | *For >100 To 250, Deduct* | *-372.39* | |
| | | *For >250 To 500, Deduct* | *-733.84* | |
| | | *For >500, Deduct* | *-1,095.29* | |
| 26 51 19 00-0544 | | Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 19 00-0535)* | | |
| | | Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing. | | |
| 26 51 19 00-0545 | EA | 5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L) | 2,446.35 | 103.66 |
| | | *For Bolt-On Visor, Add* | *129.78* | |
| | | *For Bolt-On Wire Guard, Add* | *266.93* | |
| | | *For 480 Volt, Add* | *228.54* | |
| | | *For Warm White Color Rendering, Add* | *97.03* | |
| | | *For >50 To 100, Deduct* | *-65.48* | |
| | | *For >100 To 250, Deduct* | *-126.64* | |
| | | *For >250 To 500, Deduct* | *-244.64* | |
| | | *For >500, Deduct* | *-362.63* | |
| 26 51 19 00-0546 | EA | 7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L) | 3,617.08 | 110.57 |
| | | *For Bolt-On Visor, Add* | *129.78* | |
| | | *For Bolt-On Wire Guard, Add* | *266.93* | |
| | | *For 480 Volt, Add* | *228.54* | |
| | | *For Warm White Color Rendering, Add* | *97.03* | |
| | | *For >50 To 100, Deduct* | *-95.03* | |
| | | *For >100 To 250, Deduct* | *-185.46* | |
| | | *For >250 To 500, Deduct* | *-361.71* | |
| | | *For >500, Deduct* | *-537.95* | |
| 26 51 19 00-0547 | EA | 9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L) | 3,988.88 | 117.49 |
| | | *For Bolt-On Visor, Add* | *129.78* | |
| | | *For Bolt-On Wire Guard, Add* | *266.93* | |
| | | *For 480 Volt, Add* | *228.54* | |
| | | *For Warm White Color Rendering, Add* | *97.03* | |
| | | *For >50 To 100, Deduct* | *-104.62* | |
| | | *For >100 To 250, Deduct* | *-204.34* | |
| | | *For >250 To 500, Deduct* | *-398.89* | |
| | | *For >500, Deduct* | *-593.44* | |
| 26 51 19 00-0548 | EA | 11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L) | 4,581.45 | 124.39 |
| | | *For Bolt-On Visor, Add* | *129.78* | |
| | | *For Bolt-On Wire Guard, Add* | *266.93* | |
| | | *For 480 Volt, Add* | *228.54* | |
| | | *For Warm White Color Rendering, Add* | *97.03* | |
| | | *For >50 To 100, Deduct* | *-119.72* | |
| | | *For >100 To 250, Deduct* | *-234.26* | |
| | | *For >250 To 500, Deduct* | *-458.15* | |
| | | *For >500, Deduct* | *-682.03* | |
| 26 51 19 00-0549 | | Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 19 00-0535)* | | |
| | | Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing. | | |
| 26 51 19 00-0550 | EA | 1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC) | 1,692.62 | 96.75 |
| | | *For 12/24 Volt DC Driver, Add* | *36.89* | |
| | | *For Frosted Lens, Add* | *75.38* | |
| | | *For 55 Degree Ambient Suitability (AC Only), Add* | *50.22* | |
| | | *For Warm White Color Rendering, Add* | *97.03* | |
| | | *For Ceiling Mount, Add* | *114.59* | |
| | | *For Wall Mount, Add* | *166.19* | |
| | | *For Teflon Coated Lens, Add* | *159.99* | |
| | | *For Wall Mount With Junction Box, Add* | *241.42* | |
| | | *For >50 To 100, Deduct* | *-46.35* | |
| | | *For >100 To 250, Deduct* | *-88.66* | |
| | | *For >250 To 500, Deduct* | *-169.26* | |
| | | *For >500, Deduct* | *-249.86* | |
| 26 51 19 00-0551 | | Vaportight, LED Fixtures *(26 51 19 00-0534)* | | |
| 26 51 19 00-0552 | | General Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0551)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0553 | EA | 2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U) | 309.00 | 55.29 |
| | | *For >50 To 100, Deduct* | *-10.03* | |
| | | *For >100 To 250, Deduct* | *-17.75* | |
| | | *For >250 To 500, Deduct* | *-30.90* | |
| | | *For >500, Deduct* | *-44.05* | |
| 26 51 19 00-0554 | EA | 2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U) | 321.75 | 55.29 |
| | | *For >50 To 100, Deduct* | *-10.35* | |
| | | *For >100 To 250, Deduct* | *-18.39* | |
| | | *For >250 To 500, Deduct* | *-32.18* | |
| | | *For >500, Deduct* | *-45.96* | |
| 26 51 19 00-0555 | EA | 2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U) | 347.28 | 55.29 |
| | | *For >50 To 100, Deduct* | *-10.99* | |
| | | *For >100 To 250, Deduct* | *-19.67* | |
| | | *For >250 To 500, Deduct* | *-34.73* | |
| | | *For >500, Deduct* | *-49.79* | |
| 26 51 19 00-0556 | EA | 4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U) | 314.47 | 69.11 |
| | | *For >50 To 100, Deduct* | *-10.74* | |
| | | *For >100 To 250, Deduct* | *-18.60* | |
| | | *For >250 To 500, Deduct* | *-31.45* | |
| | | *For >500, Deduct* | *-44.29* | |
| 26 51 19 00-0557 | EA | 4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U) | 351.07 | 69.11 |
| | | *For >50 To 100, Deduct* | *-11.66* | |
| | | *For >100 To 250, Deduct* | *-20.43* | |
| | | *For >250 To 500, Deduct* | *-35.11* | |
| | | *For >500, Deduct* | *-49.78* | |
| 26 51 19 00-0558 | EA | 4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U) | 485.14 | 69.11 |
| | | *For >50 To 100, Deduct* | *-15.01* | |
| | | *For >100 To 250, Deduct* | *-27.14* | |
| | | *For >250 To 500, Deduct* | *-48.51* | |
| | | *For >500, Deduct* | *-69.89* | |

## 26 51 19 00-0559 Wide Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0551)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0560 | EA | 2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U) | 334.51 | 55.29 |
| | | *For >50 To 100, Deduct* | *-10.67* | |
| | | *For >100 To 250, Deduct* | *-19.03* | |
| | | *For >250 To 500, Deduct* | *-33.45* | |
| | | *For >500, Deduct* | *-47.87* | |
| 26 51 19 00-0561 | EA | 2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U) | 347.28 | 55.29 |
| | | *For >50 To 100, Deduct* | *-10.99* | |
| | | *For >100 To 250, Deduct* | *-19.67* | |
| | | *For >250 To 500, Deduct* | *-34.73* | |
| | | *For >500, Deduct* | *-49.79* | |
| 26 51 19 00-0562 | EA | 2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U) | 372.79 | 55.29 |
| | | *For >50 To 100, Deduct* | *-11.62* | |
| | | *For >100 To 250, Deduct* | *-20.94* | |
| | | *For >250 To 500, Deduct* | *-37.28* | |
| | | *For >500, Deduct* | *-53.62* | |
| 26 51 19 00-0563 | EA | 4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U) | 434.11 | 69.11 |
| | | *For >50 To 100, Deduct* | *-13.73* | |
| | | *For >100 To 250, Deduct* | *-24.59* | |
| | | *For >250 To 500, Deduct* | *-43.41* | |
| | | *For >500, Deduct* | *-62.24* | |
| 26 51 19 00-0564 | EA | 4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U) | 485.14 | 69.11 |
| | | *For >50 To 100, Deduct* | *-15.01* | |
| | | *For >100 To 250, Deduct* | *-27.14* | |
| | | *For >250 To 500, Deduct* | *-48.51* | |
| | | *For >500, Deduct* | *-69.89* | |
| 26 51 19 00-0565 | EA | 4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U) | 536.19 | 69.11 |
| | | *For >50 To 100, Deduct* | *-16.28* | |
| | | *For >100 To 250, Deduct* | *-29.69* | |
| | | *For >250 To 500, Deduct* | *-53.62* | |
| | | *For >500, Deduct* | *-77.55* | |

## 26 51 19 00-0566 Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0551)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0567 | EA | 2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U) | 334.51 | 55.29 |
| | | *For >50 To 100, Deduct* | *-10.67* | |
| | | *For >100 To 250, Deduct* | *-19.03* | |
| | | *For >250 To 500, Deduct* | *-33.45* | |
| | | *For >500, Deduct* | *-47.87* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0568 | EA | 2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U) | 348.25 | 55.29 |
| | | *For >50 To 100, Deduct* | *-11.01* | |
| | | *For >100 To 250, Deduct* | *-19.72* | |
| | | *For >250 To 500, Deduct* | *-34.83* | |
| | | *For >500, Deduct* | *-49.93* | |
| 26 51 19 00-0569 | EA | 2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U) | 372.79 | 55.29 |
| | | *For >50 To 100, Deduct* | *-11.62* | |
| | | *For >100 To 250, Deduct* | *-20.94* | |
| | | *For >250 To 500, Deduct* | *-37.28* | |
| | | *For >500, Deduct* | *-53.62* | |
| 26 51 19 00-0570 | EA | 4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U) | 434.11 | 69.11 |
| | | *For >50 To 100, Deduct* | *-13.73* | |
| | | *For >100 To 250, Deduct* | *-24.59* | |
| | | *For >250 To 500, Deduct* | *-43.41* | |
| | | *For >500, Deduct* | *-62.24* | |
| 26 51 19 00-0571 | EA | 4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U) | 485.14 | 69.11 |
| | | *For >50 To 100, Deduct* | *-15.01* | |
| | | *For >100 To 250, Deduct* | *-27.14* | |
| | | *For >250 To 500, Deduct* | *-48.51* | |
| | | *For >500, Deduct* | *-69.89* | |
| 26 51 19 00-0572 | EA | 4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U) | 536.19 | 69.11 |
| | | *For >50 To 100, Deduct* | *-16.28* | |
| | | *For >100 To 250, Deduct* | *-29.69* | |
| | | *For >250 To 500, Deduct* | *-53.62* | |
| | | *For >500, Deduct* | *-77.55* | |

## 26 51 19 00-0573 Ceiling Mounted LED Fixtures *(26 51 19 00-0001)*

## 26 51 19 00-0574 Ceiling Mounted, LED Drum Fixtures (Enertron) *(26 51 19 00-0573)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0575 | EA | 11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30) | 124.25 | 46.07 |
| | | *For >50 To 100, Deduct* | *-4.83* | |
| | | *For >100 To 250, Deduct* | *-7.94* | |
| | | *For >250 To 500, Deduct* | *-12.43* | |
| | | *For >500, Deduct* | *-16.91* | |
| 26 51 19 00-0576 | EA | 11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30) | 129.73 | 46.07 |
| | | *For >50 To 100, Deduct* | *-4.97* | |
| | | *For >100 To 250, Deduct* | *-8.21* | |
| | | *For >250 To 500, Deduct* | *-12.97* | |
| | | *For >500, Deduct* | *-17.73* | |
| 26 51 19 00-0577 | EA | 11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30) | 135.20 | 46.07 |
| | | *For >50 To 100, Deduct* | *-5.11* | |
| | | *For >100 To 250, Deduct* | *-8.49* | |
| | | *For >250 To 500, Deduct* | *-13.52* | |
| | | *For >500, Deduct* | *-18.55* | |
| 26 51 19 00-0578 | EA | 11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30) | 140.68 | 46.07 |
| | | *For >50 To 100, Deduct* | *-5.24* | |
| | | *For >100 To 250, Deduct* | *-8.76* | |
| | | *For >250 To 500, Deduct* | *-14.07* | |
| | | *For >500, Deduct* | *-19.37* | |
| 26 51 19 00-0579 | EA | 14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30) | 136.84 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.32* | |
| | | *For >100 To 250, Deduct* | *-8.74* | |
| | | *For >250 To 500, Deduct* | *-13.68* | |
| | | *For >500, Deduct* | *-18.63* | |
| 26 51 19 00-0580 | EA | 14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30) | 142.31 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.46* | |
| | | *For >100 To 250, Deduct* | *-9.02* | |
| | | *For >250 To 500, Deduct* | *-14.23* | |
| | | *For >500, Deduct* | *-19.45* | |
| 26 51 19 00-0581 | EA | 14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30) | 147.78 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.60* | |
| | | *For >100 To 250, Deduct* | *-9.29* | |
| | | *For >250 To 500, Deduct* | *-14.78* | |
| | | *For >500, Deduct* | *-20.27* | |
| 26 51 19 00-0582 | EA | 14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30) | 153.26 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.73* | |
| | | *For >100 To 250, Deduct* | *-9.56* | |
| | | *For >250 To 500, Deduct* | *-15.33* | |
| | | *For >500, Deduct* | *-21.09* | |
| 26 51 19 00-0583 | EA | 14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30) | 164.21 | 50.68 |
| | | *For >50 To 100, Deduct* | *-6.01* | |
| | | *For >100 To 250, Deduct* | *-10.11* | |
| | | *For >250 To 500, Deduct* | *-16.42* | |
| | | *For >500, Deduct* | *-22.73* | |
| 26 51 19 00-0584 | EA | 11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35) | 124.25 | 46.07 |
| | | *For >50 To 100, Deduct* | *-4.83* | |
| | | *For >100 To 250, Deduct* | *-7.94* | |
| | | *For >250 To 500, Deduct* | *-12.43* | |
| | | *For >500, Deduct* | *-16.91* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0585 | EA | 11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35) | 129.73 | 46.07 |
| | | *For >50 To 100, Deduct* | *-4.97* | |
| | | *For >100 To 250, Deduct* | *-8.21* | |
| | | *For >250 To 500, Deduct* | *-12.97* | |
| | | *For >500, Deduct* | *-17.73* | |
| 26 51 19 00-0586 | EA | 11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35) | 135.20 | 46.07 |
| | | *For >50 To 100, Deduct* | *-5.11* | |
| | | *For >100 To 250, Deduct* | *-8.49* | |
| | | *For >250 To 500, Deduct* | *-13.52* | |
| | | *For >500, Deduct* | *-18.55* | |
| 26 51 19 00-0587 | EA | 11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35) | 140.68 | 46.07 |
| | | *For >50 To 100, Deduct* | *-5.24* | |
| | | *For >100 To 250, Deduct* | *-8.76* | |
| | | *For >250 To 500, Deduct* | *-14.07* | |
| | | *For >500, Deduct* | *-19.37* | |
| 26 51 19 00-0588 | EA | 14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35) | 136.84 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.32* | |
| | | *For >100 To 250, Deduct* | *-8.74* | |
| | | *For >250 To 500, Deduct* | *-13.68* | |
| | | *For >500, Deduct* | *-18.63* | |
| 26 51 19 00-0589 | EA | 14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35) | 142.31 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.46* | |
| | | *For >100 To 250, Deduct* | *-9.02* | |
| | | *For >250 To 500, Deduct* | *-14.23* | |
| | | *For >500, Deduct* | *-19.45* | |
| 26 51 19 00-0590 | EA | 14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35) | 147.78 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.60* | |
| | | *For >100 To 250, Deduct* | *-9.29* | |
| | | *For >250 To 500, Deduct* | *-14.78* | |
| | | *For >500, Deduct* | *-20.27* | |
| 26 51 19 00-0591 | EA | 14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35) | 153.26 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.73* | |
| | | *For >100 To 250, Deduct* | *-9.56* | |
| | | *For >250 To 500, Deduct* | *-15.33* | |
| | | *For >500, Deduct* | *-21.09* | |
| 26 51 19 00-0592 | EA | 14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30) | 164.21 | 50.68 |
| | | *For >50 To 100, Deduct* | *-6.01* | |
| | | *For >100 To 250, Deduct* | *-10.11* | |
| | | *For >250 To 500, Deduct* | *-16.42* | |
| | | *For >500, Deduct* | *-22.73* | |
| 26 51 19 00-0593 | EA | 11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40) | 124.25 | 46.07 |
| | | *For >50 To 100, Deduct* | *-4.83* | |
| | | *For >100 To 250, Deduct* | *-7.94* | |
| | | *For >250 To 500, Deduct* | *-12.43* | |
| | | *For >500, Deduct* | *-16.91* | |
| 26 51 19 00-0594 | EA | 11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40) | 129.73 | 46.07 |
| | | *For >50 To 100, Deduct* | *-4.97* | |
| | | *For >100 To 250, Deduct* | *-8.21* | |
| | | *For >250 To 500, Deduct* | *-12.97* | |
| | | *For >500, Deduct* | *-17.73* | |
| 26 51 19 00-0595 | EA | 11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40) | 135.20 | 46.07 |
| | | *For >50 To 100, Deduct* | *-5.11* | |
| | | *For >100 To 250, Deduct* | *-8.49* | |
| | | *For >250 To 500, Deduct* | *-13.52* | |
| | | *For >500, Deduct* | *-18.55* | |
| 26 51 19 00-0596 | EA | 11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40) | 140.68 | 46.07 |
| | | *For >50 To 100, Deduct* | *-5.24* | |
| | | *For >100 To 250, Deduct* | *-8.76* | |
| | | *For >250 To 500, Deduct* | *-14.07* | |
| | | *For >500, Deduct* | *-19.37* | |
| 26 51 19 00-0597 | EA | 14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40) | 136.84 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.32* | |
| | | *For >100 To 250, Deduct* | *-8.74* | |
| | | *For >250 To 500, Deduct* | *-13.68* | |
| | | *For >500, Deduct* | *-18.63* | |
| 26 51 19 00-0598 | EA | 14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40) | 142.31 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.46* | |
| | | *For >100 To 250, Deduct* | *-9.02* | |
| | | *For >250 To 500, Deduct* | *-14.23* | |
| | | *For >500, Deduct* | *-19.45* | |
| 26 51 19 00-0599 | EA | 14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40) | 147.78 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.60* | |
| | | *For >100 To 250, Deduct* | *-9.29* | |
| | | *For >250 To 500, Deduct* | *-14.78* | |
| | | *For >500, Deduct* | *-20.27* | |
| 26 51 19 00-0600 | EA | 14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40) | 153.26 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.73* | |
| | | *For >100 To 250, Deduct* | *-9.56* | |
| | | *For >250 To 500, Deduct* | *-15.33* | |
| | | *For >500, Deduct* | *-21.09* | |
| 26 51 19 00-0601 | EA | 14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40) | 164.21 | 50.68 |
| | | *For >50 To 100, Deduct* | *-6.01* | |
| | | *For >100 To 250, Deduct* | *-10.11* | |
| | | *For >250 To 500, Deduct* | *-16.42* | |
| | | *For >500, Deduct* | *-22.73* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0602 | EA | 11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50) | 124.25 | 46.07 |
| | | *For >50 To 100, Deduct* | *-4.83* | |
| | | *For >100 To 250, Deduct* | *-7.94* | |
| | | *For >250 To 500, Deduct* | *-12.43* | |
| | | *For >500, Deduct* | *-16.91* | |
| 26 51 19 00-0603 | EA | 11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50) | 129.73 | 46.07 |
| | | *For >50 To 100, Deduct* | *-4.97* | |
| | | *For >100 To 250, Deduct* | *-8.21* | |
| | | *For >250 To 500, Deduct* | *-12.97* | |
| | | *For >500, Deduct* | *-17.73* | |
| 26 51 19 00-0604 | EA | 11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50) | 135.20 | 46.07 |
| | | *For >50 To 100, Deduct* | *-5.11* | |
| | | *For >100 To 250, Deduct* | *-8.49* | |
| | | *For >250 To 500, Deduct* | *-13.52* | |
| | | *For >500, Deduct* | *-18.55* | |
| 26 51 19 00-0605 | EA | 11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50) | 140.68 | 46.07 |
| | | *For >50 To 100, Deduct* | *-5.24* | |
| | | *For >100 To 250, Deduct* | *-8.76* | |
| | | *For >250 To 500, Deduct* | *-14.07* | |
| | | *For >500, Deduct* | *-19.37* | |
| 26 51 19 00-0606 | EA | 14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40) | 136.84 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.32* | |
| | | *For >100 To 250, Deduct* | *-8.74* | |
| | | *For >250 To 500, Deduct* | *-13.68* | |
| | | *For >500, Deduct* | *-18.63* | |
| 26 51 19 00-0607 | EA | 14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40) | 142.31 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.46* | |
| | | *For >100 To 250, Deduct* | *-9.02* | |
| | | *For >250 To 500, Deduct* | *-14.23* | |
| | | *For >500, Deduct* | *-19.45* | |
| 26 51 19 00-0608 | EA | 14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40) | 147.78 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.60* | |
| | | *For >100 To 250, Deduct* | *-9.29* | |
| | | *For >250 To 500, Deduct* | *-14.78* | |
| | | *For >500, Deduct* | *-20.27* | |
| 26 51 19 00-0609 | EA | 14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40) | 153.26 | 50.68 |
| | | *For >50 To 100, Deduct* | *-5.73* | |
| | | *For >100 To 250, Deduct* | *-9.56* | |
| | | *For >250 To 500, Deduct* | *-15.33* | |
| | | *For >500, Deduct* | *-21.09* | |
| 26 51 19 00-0610 | EA | 14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40) | 164.21 | 50.68 |
| | | *For >50 To 100, Deduct* | *-6.01* | |
| | | *For >100 To 250, Deduct* | *-10.11* | |
| | | *For >250 To 500, Deduct* | *-16.42* | |
| | | *For >500, Deduct* | *-22.73* | |
| 26 51 19 00-0611 | EA | 19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30) | 170.07 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.33* | |
| | | *For >100 To 250, Deduct* | *-10.58* | |
| | | *For >250 To 500, Deduct* | *-17.01* | |
| | | *For >500, Deduct* | *-23.44* | |
| 26 51 19 00-0612 | EA | 19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30) | 182.51 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.64* | |
| | | *For >100 To 250, Deduct* | *-11.20* | |
| | | *For >250 To 500, Deduct* | *-18.25* | |
| | | *For >500, Deduct* | *-25.30* | |
| 26 51 19 00-0613 | EA | 19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30) | 179.48 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100 To 250, Deduct* | *-11.05* | |
| | | *For >250 To 500, Deduct* | *-17.95* | |
| | | *For >500, Deduct* | *-24.85* | |
| 26 51 19 00-0614 | EA | 19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30) | 179.43 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100 To 250, Deduct* | *-11.04* | |
| | | *For >250 To 500, Deduct* | *-17.94* | |
| | | *For >500, Deduct* | *-24.84* | |
| 26 51 19 00-0615 | EA | 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) | 193.46 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.91* | |
| | | *For >100 To 250, Deduct* | *-11.75* | |
| | | *For >250 To 500, Deduct* | *-19.35* | |
| | | *For >500, Deduct* | *-26.95* | |
| 26 51 19 00-0616 | EA | 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) | 188.93 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.80* | |
| | | *For >100 To 250, Deduct* | *-11.52* | |
| | | *For >250 To 500, Deduct* | *-18.89* | |
| | | *For >500, Deduct* | *-26.27* | |
| 26 51 19 00-0617 | EA | 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) | 207.90 | 54.71 |
| | | *For >50 To 100, Deduct* | *-7.27* | |
| | | *For >100 To 250, Deduct* | *-12.47* | |
| | | *For >250 To 500, Deduct* | *-20.79* | |
| | | *For >500, Deduct* | *-29.11* | |
| 26 51 19 00-0618 | EA | 19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30) | 201.72 | 54.71 |
| | | *For >50 To 100, Deduct* | *-7.12* | |
| | | *For >100 To 250, Deduct* | *-12.16* | |
| | | *For >250 To 500, Deduct* | *-20.17* | |
| | | *For >500, Deduct* | *-28.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0619 | EA | 19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30) | 201.77 | 54.71 |
| | | *For >50 To 100, Deduct* | *-7.12* | |
| | | *For >100 To 250, Deduct* | *-12.16* | |
| | | *For >250 To 500, Deduct* | *-20.18* | |
| | | *For >500, Deduct* | *-28.19* | |
| 26 51 19 00-0620 | EA | 19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35) | 170.07 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.33* | |
| | | *For >100 To 250, Deduct* | *-10.58* | |
| | | *For >250 To 500, Deduct* | *-17.01* | |
| | | *For >500, Deduct* | *-23.44* | |
| 26 51 19 00-0621 | EA | 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35) | 182.51 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.64* | |
| | | *For >100 To 250, Deduct* | *-11.20* | |
| | | *For >250 To 500, Deduct* | *-18.25* | |
| | | *For >500, Deduct* | *-25.30* | |
| 26 51 19 00-0622 | EA | 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35) | 179.48 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100 To 250, Deduct* | *-11.05* | |
| | | *For >250 To 500, Deduct* | *-17.95* | |
| | | *For >500, Deduct* | *-24.85* | |
| 26 51 19 00-0623 | EA | 19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35) | 179.43 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100 To 250, Deduct* | *-11.04* | |
| | | *For >250 To 500, Deduct* | *-17.94* | |
| | | *For >500, Deduct* | *-24.84* | |
| 26 51 19 00-0624 | EA | 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) | 193.46 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.91* | |
| | | *For >100 To 250, Deduct* | *-11.75* | |
| | | *For >250 To 500, Deduct* | *-19.35* | |
| | | *For >500, Deduct* | *-26.95* | |
| 26 51 19 00-0625 | EA | 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) | 188.93 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.80* | |
| | | *For >100 To 250, Deduct* | *-11.52* | |
| | | *For >250 To 500, Deduct* | *-18.89* | |
| | | *For >500, Deduct* | *-26.27* | |
| 26 51 19 00-0626 | EA | 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) | 207.90 | 54.71 |
| | | *For >50 To 100, Deduct* | *-7.27* | |
| | | *For >100 To 250, Deduct* | *-12.47* | |
| | | *For >250 To 500, Deduct* | *-20.79* | |
| | | *For >500, Deduct* | *-29.11* | |
| 26 51 19 00-0627 | EA | 19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35) | 201.72 | 54.71 |
| | | *For >50 To 100, Deduct* | *-7.12* | |
| | | *For >100 To 250, Deduct* | *-12.16* | |
| | | *For >250 To 500, Deduct* | *-20.17* | |
| | | *For >500, Deduct* | *-28.18* | |
| 26 51 19 00-0628 | EA | 19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35) | 201.77 | 54.71 |
| | | *For >50 To 100, Deduct* | *-7.12* | |
| | | *For >100 To 250, Deduct* | *-12.16* | |
| | | *For >250 To 500, Deduct* | *-20.18* | |
| | | *For >500, Deduct* | *-28.19* | |
| 26 51 19 00-0629 | EA | 19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40) | 170.07 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.33* | |
| | | *For >100 To 250, Deduct* | *-10.58* | |
| | | *For >250 To 500, Deduct* | *-17.01* | |
| | | *For >500, Deduct* | *-23.44* | |
| 26 51 19 00-0630 | EA | 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35) | 182.51 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.64* | |
| | | *For >100 To 250, Deduct* | *-11.20* | |
| | | *For >250 To 500, Deduct* | *-18.25* | |
| | | *For >500, Deduct* | *-25.30* | |
| 26 51 19 00-0631 | EA | 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35) | 179.48 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100 To 250, Deduct* | *-11.05* | |
| | | *For >250 To 500, Deduct* | *-17.95* | |
| | | *For >500, Deduct* | *-24.85* | |
| 26 51 19 00-0632 | EA | 19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40) | 179.43 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100 To 250, Deduct* | *-11.04* | |
| | | *For >250 To 500, Deduct* | *-17.94* | |
| | | *For >500, Deduct* | *-24.84* | |
| 26 51 19 00-0633 | EA | 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) | 193.46 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.91* | |
| | | *For >100 To 250, Deduct* | *-11.75* | |
| | | *For >250 To 500, Deduct* | *-19.35* | |
| | | *For >500, Deduct* | *-26.95* | |
| 26 51 19 00-0634 | EA | 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) | 188.93 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.80* | |
| | | *For >100 To 250, Deduct* | *-11.52* | |
| | | *For >250 To 500, Deduct* | *-18.89* | |
| | | *For >500, Deduct* | *-26.27* | |
| 26 51 19 00-0635 | EA | 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) | 207.90 | 54.71 |
| | | *For >50 To 100, Deduct* | *-7.27* | |
| | | *For >100 To 250, Deduct* | *-12.47* | |
| | | *For >250 To 500, Deduct* | *-20.79* | |
| | | *For >500, Deduct* | *-29.11* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0636 | EA | 19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40) | 201.72 | 54.71 |
| | | *For >50 To 100, Deduct* | *-7.12* | |
| | | *For >100 To 250, Deduct* | *-12.16* | |
| | | *For >250 To 500, Deduct* | *-20.17* | |
| | | *For >500, Deduct* | *-28.18* | |
| 26 51 19 00-0637 | EA | 19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40) | 201.77 | 54.71 |
| | | *For >50 To 100, Deduct* | *-7.12* | |
| | | *For >100 To 250, Deduct* | *-12.16* | |
| | | *For >250 To 500, Deduct* | *-20.18* | |
| | | *For >500, Deduct* | *-28.19* | |
| 26 51 19 00-0638 | EA | 19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50) | 170.07 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.33* | |
| | | *For >100 To 250, Deduct* | *-10.58* | |
| | | *For >250 To 500, Deduct* | *-17.01* | |
| | | *For >500, Deduct* | *-23.44* | |
| 26 51 19 00-0639 | EA | 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35) | 182.51 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.64* | |
| | | *For >100 To 250, Deduct* | *-11.20* | |
| | | *For >250 To 500, Deduct* | *-18.25* | |
| | | *For >500, Deduct* | *-25.30* | |
| 26 51 19 00-0640 | EA | 19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50) | 179.48 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100 To 250, Deduct* | *-11.05* | |
| | | *For >250 To 500, Deduct* | *-17.95* | |
| | | *For >500, Deduct* | *-24.85* | |
| 26 51 19 00-0641 | EA | 19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50) | 179.43 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.56* | |
| | | *For >100 To 250, Deduct* | *-11.04* | |
| | | *For >250 To 500, Deduct* | *-17.94* | |
| | | *For >500, Deduct* | *-24.84* | |
| 26 51 19 00-0642 | EA | 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) | 193.46 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.91* | |
| | | *For >100 To 250, Deduct* | *-11.75* | |
| | | *For >250 To 500, Deduct* | *-19.35* | |
| | | *For >500, Deduct* | *-26.95* | |
| 26 51 19 00-0643 | EA | 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) | 188.93 | 54.71 |
| | | *For >50 To 100, Deduct* | *-6.80* | |
| | | *For >100 To 250, Deduct* | *-11.52* | |
| | | *For >250 To 500, Deduct* | *-18.89* | |
| | | *For >500, Deduct* | *-26.27* | |
| 26 51 19 00-0644 | EA | 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) | 207.90 | 54.71 |
| | | *For >50 To 100, Deduct* | *-7.27* | |
| | | *For >100 To 250, Deduct* | *-12.47* | |
| | | *For >250 To 500, Deduct* | *-20.79* | |
| | | *For >500, Deduct* | *-29.11* | |
| 26 51 19 00-0645 | EA | 19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50) | 201.72 | 54.71 |
| | | *For >50 To 100, Deduct* | *-7.12* | |
| | | *For >100 To 250, Deduct* | *-12.16* | |
| | | *For >250 To 500, Deduct* | *-20.17* | |
| | | *For >500, Deduct* | *-28.18* | |
| 26 51 19 00-0646 | EA | 19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50) | 201.77 | 54.71 |
| | | *For >50 To 100, Deduct* | *-7.12* | |
| | | *For >100 To 250, Deduct* | *-12.16* | |
| | | *For >250 To 500, Deduct* | *-20.18* | |
| | | *For >500, Deduct* | *-28.19* | |

## 26 51 19 00-0647 Ceiling Mounted, LED Mushroom Fixtures (Mobern) *(26 51 19 00-0573)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0648 | EA | 14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30) | 195.55 | 50.68 |
| | | *For >50 To 100, Deduct* | *-6.79* | |
| | | *For >100 To 250, Deduct* | *-11.68* | |
| | | *For >250 To 500, Deduct* | *-19.56* | |
| | | *For >500, Deduct* | *-27.43* | |

## 26 51 19 00-0649 Ceiling Mounted, LED Fixtures (Sylvania) *(26 51 19 00-0573)*

| | | | | |
|---|---|---|---|---|
| 26 51 19 00-0650 | EA | 12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D) | 727.25 | 54.71 |
| | | *For >50 To 100, Deduct* | *-20.25* | |
| | | *For >100 To 250, Deduct* | *-38.44* | |
| | | *For >250 To 500, Deduct* | *-72.73* | |
| | | *For >500, Deduct* | *-107.01* | |
| 26 51 19 00-0651 | EA | 2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH) | 279.98 | 46.07 |
| | | *For >50 To 100, Deduct* | *-8.73* | |
| | | *For >100 To 250, Deduct* | *-15.73* | |
| | | *For >250 To 500, Deduct* | *-28.00* | |
| | | *For >500, Deduct* | *-40.27* | |
| 26 51 19 00-0652 | EA | 2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH) | 348.52 | 53.67 |
| | | *For >50 To 100, Deduct* | *-10.73* | |
| | | *For >100 To 250, Deduct* | *-19.44* | |
| | | *For >250 To 500, Deduct* | *-34.85* | |
| | | *For >500, Deduct* | *-50.26* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0653 | EA | 2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH) | 352.61 | 53.67 |
| | | *For >50 To 100, Deduct* | *-10.83* | |
| | | *For >100 To 250, Deduct* | *-19.65* | |
| | | *For >250 To 500, Deduct* | *-35.26* | |
| | | *For >500, Deduct* | *-50.88* | |
| 26 51 19 00-0654 | | **Refrigeration/Display LED Fixtures** *(26 51 19 00-0001)* | | |
| 26 51 19 00-0655 | | **Refrigeration/Display LED Fixtures (Lithonia)** *(26 51 19 00-0654)* Note: Fixtures exclude driver. | | |
| 26 51 19 00-0656 | EA | 5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM) | 287.50 | 53.67 |
| | | *For >50 To 100, Deduct* | *-9.20* | |
| | | *For >100 To 250, Deduct* | *-16.39* | |
| | | *For >250 To 500, Deduct* | *-28.75* | |
| | | *For >500, Deduct* | *-41.11* | |
| 26 51 19 00-0657 | EA | 5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC) | 377.19 | 95.02 |
| | | *For >50 To 100, Deduct* | *-13.03* | |
| | | *For >100 To 250, Deduct* | *-22.46* | |
| | | *For >250 To 500, Deduct* | *-37.72* | |
| | | *For >500, Deduct* | *-52.98* | |
| 26 51 19 00-0658 | EA | Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL) | 344.22 | 76.02 |
| | | *For >50 To 100, Deduct* | *-11.49* | |
| | | *For >100 To 250, Deduct* | *-20.09* | |
| | | *For >250 To 500, Deduct* | *-34.42* | |
| | | *For >500, Deduct* | *-48.75* | |
| 26 51 19 00-0659 | | **Linear LED Fixtures** *(26 51 19 00-0001)* | | |
| 26 51 19 00-0660 | | **Wet Location, Linear LED Fixtures (Cree WS4)** *(26 51 19 00-0659)* | | |
| 26 51 19 00-0661 | EA | 4' Length, 4,700 Lumens, 50 Watt, Wet Location, Linear LED Fixture (Cree WS4) | 585.39 | 69.11 |
| | | *For >50 To 100, Deduct* | *-17.51* | |
| | | *For >100 To 250, Deduct* | *-32.15* | |
| | | *For >250 To 500, Deduct* | *-58.54* | |
| | | *For >500, Deduct* | *-84.93* | |
| 26 51 19 00-0662 | EA | 4' Length, 5,000 Lumens, 51 Watt, Wet Location, Linear LED Fixture (Cree WS4) | 633.68 | 69.11 |
| | | *For >50 To 100, Deduct* | *-18.72* | |
| | | *For >100 To 250, Deduct* | *-34.56* | |
| | | *For >250 To 500, Deduct* | *-63.37* | |
| | | *For >500, Deduct* | *-92.17* | |
| 26 51 19 00-0663 | EA | 4' Length, 5,900 Lumens, 63 Watt, Wet Location, Linear LED Fixture (Cree WS4) | 661.64 | 69.11 |
| | | *For >50 To 100, Deduct* | *-19.42* | |
| | | *For >100 To 250, Deduct* | *-35.96* | |
| | | *For >250 To 500, Deduct* | *-66.16* | |
| | | *For >500, Deduct* | *-96.37* | |
| 26 51 19 00-0664 | EA | 4' Length, 6,300 Lumens, 64 Watt, Wet Location, Linear LED Fixture (Cree WS4) | 661.64 | 69.11 |
| | | *For >50 To 100, Deduct* | *-19.42* | |
| | | *For >100 To 250, Deduct* | *-35.96* | |
| | | *For >250 To 500, Deduct* | *-66.16* | |
| | | *For >500, Deduct* | *-96.37* | |
| 26 51 19 00-0665 | | **Pendant Mount, LED Fixtures** *(26 51 19 00-0001)* | | |
| 26 51 19 00-0666 | | **Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting)** *(26 51 19 00-0665)* | | |
| 26 51 19 00-0667 | EA | 2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S) | 2,676.47 | 117.49 |
| | | *For >50 To 100, Deduct* | *-71.81* | |
| | | *For >100 To 250, Deduct* | *-138.72* | |
| | | *For >250 To 500, Deduct* | *-267.65* | |
| | | *For >500, Deduct* | *-396.58* | |
| 26 51 19 00-0668 | EA | 3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S) | 4,044.21 | 124.39 |
| | | *For >50 To 100, Deduct* | *-106.29* | |
| | | *For >100 To 250, Deduct* | *-207.39* | |
| | | *For >250 To 500, Deduct* | *-404.42* | |
| | | *For >500, Deduct* | *-601.45* | |
| 26 51 19 00-0669 | EA | 4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S) | 5,165.92 | 131.30 |
| | | *For >50 To 100, Deduct* | *-134.62* | |
| | | *For >100 To 250, Deduct* | *-263.77* | |
| | | *For >250 To 500, Deduct* | *-516.59* | |
| | | *For >500, Deduct* | *-769.42* | |
| 26 51 19 00-0670 | EA | 5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S) | 6,533.67 | 138.22 |
| | | *For >50 To 100, Deduct* | *-169.10* | |
| | | *For >100 To 250, Deduct* | *-332.44* | |
| | | *For >250 To 500, Deduct* | *-653.37* | |
| | | *For >500, Deduct* | *-974.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0671 | EA | 2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S) | 2,839.13 | 117.49 |
| | | *For >50 To 100, Deduct* | *-75.87* | |
| | | *For >100 To 250, Deduct* | *-146.85* | |
| | | *For >250 To 500, Deduct* | *-283.91* | |
| | | *For >500, Deduct* | *-420.97* | |
| 26 51 19 00-0672 | EA | 3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S) | 4,259.75 | 124.39 |
| | | *For >50 To 100, Deduct* | *-111.68* | |
| | | *For >100 To 250, Deduct* | *-218.17* | |
| | | *For >250 To 500, Deduct* | *-425.98* | |
| | | *For >500, Deduct* | *-633.78* | |
| 26 51 19 00-0673 | EA | 4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S) | 5,383.49 | 131.30 |
| | | *For >50 To 100, Deduct* | *-140.06* | |
| | | *For >100 To 250, Deduct* | *-274.65* | |
| | | *For >250 To 500, Deduct* | *-538.35* | |
| | | *For >500, Deduct* | *-802.05* | |
| 26 51 19 00-0674 | EA | 5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S) | 6,777.67 | 138.22 |
| | | *For >50 To 100, Deduct* | *-175.20* | |
| | | *For >100 To 250, Deduct* | *-344.64* | |
| | | *For >250 To 500, Deduct* | *-677.77* | |
| | | *For >500, Deduct* | *-1,010.89* | |
| **26 51 19 00-0675** | | **Pendant Mount, LED Commercial Fixtures (DMF)** *(26 51 19 00-0665)* | | |
| 26 51 19 00-0676 | EA | 3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED) | 1,036.28 | 69.11 |
| | | *For >50 To 100, Deduct* | *-28.79* | |
| | | *For >100 To 250, Deduct* | *-54.69* | |
| | | *For >250 To 500, Deduct* | *-103.63* | |
| | | *For >500, Deduct* | *-152.56* | |
| **26 51 19 00-0677** | | **Pendant Mount, Circular LED Fixtures (Prudential Lighting)** *(26 51 19 00-0665)* | | |
| 26 51 19 00-0678 | EA | 4' Diameter, 120-277 Volt, Monopoint Mounted, Aluminum, Dimming LED Lighting Fixture (Prudential P4040-LED35-PROG-FWA-TMW-D1-SC-UNV-MPCA-X1-DM10) | 3,467.64 | 131.30 |
| **26 51 19 00-0679** | | **LED Track Lighting** *(26 51 19 00-0001)* | | |
| **26 51 19 00-0680** | | **LED Track Lighting Fixtures** *(26 51 19 00-0679)* | | |
| 26 51 19 00-0681 | EA | 19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™) | 202.22 | 21.05 |
| | | *For >50 To 100, Deduct* | *-5.84* | |
| | | *For >100 To 250, Deduct* | *-10.90* | |
| | | *For >250 To 500, Deduct* | *-20.22* | |
| | | *For >500, Deduct* | *-29.55* | |
| 26 51 19 00-0682 | EA | 18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED) | 350.87 | 21.05 |
| | | *For >50 To 100, Deduct* | *-9.56* | |
| | | *For >100 To 250, Deduct* | *-18.33* | |
| | | *For >250 To 500, Deduct* | *-35.09* | |
| | | *For >500, Deduct* | *-51.84* | |
| 26 51 19 00-0683 | EA | 24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33) | 207.86 | 21.05 |
| | | *For >50 To 100, Deduct* | *-5.98* | |
| | | *For >100 To 250, Deduct* | *-11.18* | |
| | | *For >250 To 500, Deduct* | *-20.79* | |
| | | *For >500, Deduct* | *-30.39* | |
| **26 51 19 00-0684** | | **Track Lighting Tracks** *(26 51 19 00-0679)* | | |
| 26 51 19 00-0685 | LF | 1 Circuit Track Lighting Track | 24.48 | 8.32 |
| | | *For >50 To 100, Deduct* | *-0.90* | |
| | | *For >100 To 250, Deduct* | *-1.51* | |
| | | *For >250 To 500, Deduct* | *-2.45* | |
| | | *For >500, Deduct* | *-3.39* | |
| 26 51 19 00-0686 | LF | 2 Circuit Track Lighting Track | 31.51 | 8.32 |
| | | *For >50 To 100, Deduct* | *-1.10* | |
| | | *For >100 To 250, Deduct* | *-1.89* | |
| | | *For >250 To 500, Deduct* | *-3.15* | |
| | | *For >500, Deduct* | *-4.41* | |
| 26 51 19 00-0687 | LF | 3 Circuit Track Lighting Track | 37.53 | 8.32 |
| | | *For >50 To 100, Deduct* | *-1.29* | |
| | | *For >100 To 250, Deduct* | *-2.22* | |
| | | *For >250 To 500, Deduct* | *-3.75* | |
| | | *For >500, Deduct* | *-5.28* | |
| 26 51 19 00-0688 | LF | 4 Circuit Track Lighting Track | 43.56 | 10.08 |
| | | *For >50 To 100, Deduct* | *-1.47* | |
| | | *For >100 To 250, Deduct* | *-2.56* | |
| | | *For >250 To 500, Deduct* | *-4.36* | |
| | | *For >500, Deduct* | *-6.16* | |
| **26 51 19 00-0689** | | **Track Lighting Accessories** *(26 51 19 00-0679)* | | |
| **26 51 19 00-0690** | | **Pendant Mounting** *(26 51 19 00-0689)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 19 00-0691 | EA | Track Lighting Pendant Mounting, Up to 12" | 27.64 | |
| | | *For >50 To 100, Deduct* | *-1.16* | |
| | | *For >100 To 250, Deduct* | *-1.85* | |
| | | *For >250 To 500, Deduct* | *-2.76* | |
| | | *For >500, Deduct* | *-3.67* | |
| 26 51 19 00-0692 | EA | Track Lighting Pendant Mounting, >12" To 24" | 35.12 | |
| | | *For >50 To 100, Deduct* | *-1.41* | |
| | | *For >100 To 250, Deduct* | *-2.29* | |
| | | *For >250 To 500, Deduct* | *-3.51* | |
| | | *For >500, Deduct* | *-4.73* | |
| 26 51 19 00-0693 | EA | Track Lighting Pendant Mounting, >24" To 36" | 42.68 | |
| | | *For >50 To 100, Deduct* | *-1.70* | |
| | | *For >100 To 250, Deduct* | *-2.76* | |
| | | *For >250 To 500, Deduct* | *-4.27* | |
| | | *For >500, Deduct* | *-5.77* | |

## 26 51 23 HID Interior Lighting *(26 51)*

### 26 51 23 00-0001 Large Interior Area Fixtures *(26 51 23)*

### 26 51 23 00-0002 Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.

### 26 51 23 00-0003 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 51 23 00-0004 | EA | 150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture | 484.90 | 134.39 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| 26 51 23 00-0005 | EA | 250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture | 505.09 | 142.71 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| 26 51 23 00-0006 | EA | 400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture | 529.15 | 162.88 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |

### 26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

| | | | | |
|---|---|---|---|---|
| 26 51 23 00-0008 | EA | 150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture | 493.93 | 134.39 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| 26 51 23 00-0009 | EA | 250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture | 508.90 | 142.71 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| 26 51 23 00-0010 | EA | 400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture | 542.15 | 162.88 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |

### 26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.

### 26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures *(26 51 23 00-0011)*

| | | | | |
|---|---|---|---|---|
| 26 51 23 00-0013 | EA | 150 Watt High Pressure Sodium, Low Bay Fixture | 471.01 | 122.78 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Enclosed And Gasketed, Add* | *75.47* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Glass Or Acrylic Reflector, Add* | *90.00* | |
| 26 51 23 00-0014 | EA | 250 Watt High Pressure Sodium, Low Bay Fixture | 484.25 | 130.38 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Enclosed And Gasketed, Add* | *75.47* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Glass Or Acrylic Reflector, Add* | *90.00* | |
| 26 51 23 00-0015 | EA | 400 Watt High Pressure Sodium, Low Bay Fixture | 513.58 | 148.81 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Enclosed And Gasketed, Add* | *75.47* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Glass Or Acrylic Reflector, Add* | *90.00* | |

### 26 51 23 00-0016 Metal Halide, Low Bay Fixtures *(26 51 23 00-0011)*

| | | | | |
|---|---|---|---|---|
| 26 51 23 00-0017 | EA | 175 Watt Metal Halide, Low Bay Fixture | 464.93 | 122.78 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Enclosed And Gasketed, Add* | *75.47* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Glass Or Acrylic Reflector, Add* | *90.00* | |
| 26 51 23 00-0018 | EA | 250 Watt Metal Halide, Low Bay Fixture | 477.35 | 130.38 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Enclosed And Gasketed, Add* | *75.47* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Glass Or Acrylic Reflector, Add* | *90.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 23 00-0019 | EA | 400 Watt Metal Halide, Low Bay Fixture | 517.81 | 148.81 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Enclosed And Gasketed, Add* | *75.47* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Glass Or Acrylic Reflector, Add* | *90.00* | |

## 26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.

## 26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures *(26 51 23 00-0020)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

| | | | | |
|---|---|---|---|---|
| 26 51 23 00-0022 | EA | 250 Watt High Pressure Sodium, High Bay Fixture | 434.61 | 130.38 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Glass Or Acrylic Reflector, Add* | *90.00* | |
| | | *For Tempered Glass Or Acrylic Lens, Add* | *60.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Security Chain, Add* | *19.34* | |
| | | *For Optical Safety Chain, Add* | *7.47* | |
| | | *For Ballast Safety Chain, Add* | *12.13* | |
| 26 51 23 00-0023 | EA | 400 Watt High Pressure Sodium, High Bay Fixture | 469.19 | 148.81 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Glass Or Acrylic Reflector, Add* | *90.00* | |
| | | *For Tempered Glass Or Acrylic Lens, Add* | *60.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Security Chain, Add* | *19.34* | |
| | | *For Optical Safety Chain, Add* | *7.47* | |
| | | *For Ballast Safety Chain, Add* | *12.13* | |
| 26 51 23 00-0024 | EA | 1,000 Watt High Pressure Sodium, High Bay Fixture | 684.92 | 156.53 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Glass Or Acrylic Reflector, Add* | *90.00* | |
| | | *For Tempered Glass Or Acrylic Lens, Add* | *60.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Security Chain, Add* | *19.34* | |
| | | *For Optical Safety Chain, Add* | *7.47* | |
| | | *For Ballast Safety Chain, Add* | *12.13* | |

## 26 51 23 00-0025 Metal Halide, High Bay Fixtures *(26 51 23 00-0020)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

| | | | | |
|---|---|---|---|---|
| 26 51 23 00-0026 | EA | 250 Watt Metal Halide, High Bay Fixture | 404.39 | 130.38 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Glass Or Acrylic Reflector, Add* | *90.00* | |
| | | *For Tempered Glass Or Acrylic Lens, Add* | *60.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Security Chain, Add* | *19.34* | |
| | | *For Optical Safety Chain, Add* | *7.47* | |
| | | *For Ballast Safety Chain, Add* | *12.13* | |
| 26 51 23 00-0027 | EA | 400 Watt Metal Halide, High Bay Fixture | 444.65 | 148.81 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Glass Or Acrylic Reflector, Add* | *90.00* | |
| | | *For Tempered Glass Or Acrylic Lens, Add* | *60.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Security Chain, Add* | *19.34* | |
| | | *For Optical Safety Chain, Add* | *7.47* | |
| | | *For Ballast Safety Chain, Add* | *12.13* | |
| 26 51 23 00-0028 | EA | 1,000 Watt Metal Halide, High Bay Fixture | 579.05 | 156.53 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Glass Or Acrylic Reflector, Add* | *90.00* | |
| | | *For Tempered Glass Or Acrylic Lens, Add* | *60.50* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| | | *For Security Chain, Add* | *19.34* | |
| | | *For Optical Safety Chain, Add* | *7.47* | |
| | | *For Ballast Safety Chain, Add* | *12.13* | |

## 26 51 23 00-0029 Induction, High Bay Fixtures *(26 51 23 00-0020)*

## 26 51 23 00-0030 Induction, High Bay Fixtures (Everlast®) *(26 51 23 00-0029)*

Note: Includes die cast aluminum ballast casing and acrylic lens.

| | | | | |
|---|---|---|---|---|
| 26 51 23 00-0031 | EA | 100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) | 493.15 | 114.03 |
| | | *For Impact Resistant Silicon Lens, Add* | *20.00* | |
| 26 51 23 00-0032 | EA | 120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) | 528.30 | 117.83 |
| | | *For Impact Resistant Silicon Lens, Add* | *20.00* | |
| 26 51 23 00-0033 | EA | 150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) | 538.11 | 121.63 |
| | | *For Impact Resistant Silicon Lens, Add* | *20.00* | |
| 26 51 23 00-0034 | EA | 200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) | 585.42 | 125.43 |
| | | *For Impact Resistant Silicon Lens, Add* | *20.00* | |
| 26 51 23 00-0035 | EA | 250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) | 600.31 | 129.24 |
| | | *For Impact Resistant Silicon Lens, Add* | *20.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 23 00-0036 | EA | 100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) | 528.62 | 114.03 |
| | | *For Impact Resistant Silicon Lens, Add* | *20.00* | |
| 26 51 23 00-0037 | EA | 120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) | 563.77 | 117.83 |
| | | *For Impact Resistant Silicon Lens, Add* | *20.00* | |
| 26 51 23 00-0038 | EA | 150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) | 573.59 | 121.63 |
| | | *For Impact Resistant Silicon Lens, Add* | *20.00* | |
| 26 51 23 00-0039 | EA | 200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) | 620.89 | 125.43 |
| | | *For Impact Resistant Silicon Lens, Add* | *20.00* | |
| 26 51 23 00-0040 | EA | 250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) | 635.78 | 129.24 |
| | | *For Impact Resistant Silicon Lens, Add* | *20.00* | |

## 26 51 23 00-0041 Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.

## 26 51 23 00-0042 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0041)*

| | | | | |
|---|---|---|---|---|
| 26 51 23 00-0043 | EA | 100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture | 366.94 | 87.37 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| 26 51 23 00-0044 | EA | 150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture | 693.34 | 87.37 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| 26 51 23 00-0045 | EA | 250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture | 796.98 | 87.37 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| 26 51 23 00-0046 | EA | 400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture | 1,066.60 | 87.37 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |

## 26 51 23 00-0047 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0041)*

| | | | | |
|---|---|---|---|---|
| 26 51 23 00-0048 | EA | 100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture | 318.23 | 87.37 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| 26 51 23 00-0049 | EA | 175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture | 334.80 | 96.95 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| 26 51 23 00-0050 | EA | 250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture | 356.14 | 105.01 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |
| 26 51 23 00-0051 | EA | 400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture | 400.02 | 125.06 |
| | | *For Wire Guard, Add* | *40.50* | |
| | | *For Instant Quartz Restrike, Add* | *60.00* | |
| | | *For Polycarbonate Lens, Add* | *47.75* | |

## 26 51 23 00-0052 High Pressure Sodium, Recessed Fixture Housings *(26 51 23)*

| | | | | |
|---|---|---|---|---|
| 26 51 23 00-0053 | EA | 4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing | 167.11 | 36.31 |
| | | *For ICAT Housing, Add* | *14.56* | |
| 26 51 23 00-0054 | EA | 5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing | 174.65 | 36.31 |
| | | *For ICAT Housing, Add* | *15.54* | |
| 26 51 23 00-0055 | EA | 6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing | 183.45 | 37.82 |
| | | *For ICAT Housing, Add* | *16.35* | |
| 26 51 23 00-0056 | EA | 7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing | 190.09 | 39.46 |
| | | *For ICAT Housing, Add* | *16.88* | |
| 26 51 23 00-0057 | EA | 8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing | 196.65 | 41.10 |
| | | *For ICAT Housing, Add* | *17.40* | |
| 26 51 23 00-0058 | EA | 10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing | 202.44 | 43.62 |
| | | *For ICAT Housing, Add* | *17.66* | |

## 26 51 23 00-0059 Metal Halide Track Lighting Fixtures *(26 51 23)*

| | | | | |
|---|---|---|---|---|
| 26 51 23 00-0060 | EA | Metal Halide Track Lighting Fixture | 108.80 | 21.05 |

## 26 51 23 00-0061 Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)*

| | | | | |
|---|---|---|---|---|
| 26 51 23 00-0062 | EA | 75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture | 175.09 | 50.43 |
| | | *For Wall Mounted, Add* | *6.30* | |
| 26 51 23 00-0063 | EA | 100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture | 180.18 | 50.43 |
| | | *For Wall Mounted, Add* | *6.30* | |
| 26 51 23 00-0064 | EA | 150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture | 190.51 | 50.43 |
| | | *For Wall Mounted, Add* | *6.30* | |
| 26 51 23 00-0065 | EA | 175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture | 206.05 | 50.43 |
| | | *For Wall Mounted, Add* | *6.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 23 00-0066 | | High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)* | | |
| 26 51 23 00-0067 | EA | 70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture | 162.98 | 50.43 |
| | | *For Wall Mounted, Add* | *6.67* | |
| 26 51 23 00-0068 | EA | 100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture | 169.30 | 50.43 |
| | | *For Wall Mounted, Add* | *6.67* | |
| 26 51 23 00-0069 | EA | 150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture | 193.73 | 50.43 |
| | | *For Wall Mounted, Add* | *6.67* | |
| **26 51 33** | | **Interior Lighting Accessories** *(26 51)* | | |
| 26 51 33 00-0001 | | Accessories And Modifiers For Fixtures *(26 51 33)* | | |
| 26 51 33 00-0002 | | Lens Modifications *(26 51 33 00-0001)* | | |
| 26 51 33 00-0003 | EA | For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add | 38.81 | |
| 26 51 33 00-0004 | EA | For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add | 47.94 | |
| 26 51 33 00-0005 | EA | For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add | 50.23 | |
| 26 51 33 00-0006 | EA | For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add | 54.79 | |
| 26 51 33 00-0007 | EA | For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add | 66.21 | |
| 26 51 33 00-0008 | EA | For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add | 15.98 | |
| 26 51 33 00-0009 | EA | For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add | 22.83 | |
| 26 51 33 00-0010 | EA | For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add | 25.11 | |
| 26 51 33 00-0011 | EA | For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add | 29.68 | |
| 26 51 33 00-0012 | | Pendant Mounting Modifications *(26 51 33 00-0001)* Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly. | | |
| 26 51 33 00-0013 | EA | For Pendant Mounting Up to 1'-6" Long Section Note: Per pendant. | 17.35 | |
| 26 51 33 00-0014 | EA | For Pendant Mounting 2' Long Section Note: Per pendant. | 20.09 | |
| 26 51 33 00-0015 | EA | For Pendant Mounting 3' Long Section Note: Per pendant. | 25.71 | |
| 26 51 33 00-0016 | EA | For Pendant Mounting 4' Long Section Note: Per pendant. | 30.36 | |
| 26 51 33 00-0017 | EA | For Pendant Mounting 6' Long Section Note: Per pendant. | 38.35 | |
| 26 51 33 00-0018 | EA | For Pendant Mounting 8' Long Section Note: Per pendant. | 52.05 | |
| 26 51 33 00-0019 | | Fluorescent Light Accessories *(26 51 33 00-0001)* | | |
| 26 51 33 00-0020 | EA | Blank Metal Light Box Plate | 30.98 | |
| 26 51 33 00-0021 | EA | Factory Installed Fixture Mounted Occupancy Sensor | 175.77 | |
| 26 51 33 00-0022 | | Wire Guards *(26 51 33 00-0001)* | | |
| 26 51 33 00-0023 | EA | Wire Guard for 6" x 2' Fixture | 73.66 | 6.31 |
| 26 51 33 00-0024 | EA | Wire Guard for 6" x 4' Fixture | 103.20 | 10.10 |
| 26 51 33 00-0025 | EA | Wire Guard for 1" x 2' Fixture | 82.25 | 6.95 |
| 26 51 33 00-0026 | EA | Wire Guard for 1" x 4' Fixture | 116.68 | 10.73 |
| 26 51 33 00-0027 | EA | Wire Guard for 2" x 2' Fixture | 100.61 | 7.58 |
| 26 51 33 00-0028 | EA | Wire Guard for 2" x 4' Fixture | 137.46 | 11.36 |
| 26 51 33 00-0029 | | Lighting Accessories *(26 51 33)* | | |
| 26 51 33 00-0030 | | Modular Flexible Wiring Systems *(26 51 33 00-0029)* | | |
| 26 51 33 00-0031 | EA | 10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10) | 106.03 | 6.80 |
| 26 51 33 00-0032 | EA | 15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15) | 125.85 | 6.80 |
| 26 51 33 00-0033 | EA | 20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20) | 152.40 | 6.80 |
| 26 51 33 00-0034 | EA | 15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15) | 125.85 | 6.80 |
| 26 51 33 00-0035 | EA | 3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E) | 103.87 | 6.80 |
| 26 51 33 00-0036 | EA | 13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13) | 157.34 | 6.80 |
| 26 51 33 00-0037 | EA | 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M) | 84.99 | 6.80 |
| 26 51 33 00-0038 | EA | 3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E) | 96.81 | 6.80 |
| 26 51 33 00-0039 | EA | 7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07) | 126.92 | 6.80 |
| 26 51 33 00-0040 | EA | 7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07) | 126.92 | 6.80 |
| 26 51 33 00-0041 | EA | 7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07) | 129.15 | 6.80 |
| 26 51 33 00-0042 | EA | 7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07) | 128.33 | 6.80 |
| 26 51 33 00-0043 | EA | 7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07) | 128.33 | 6.80 |
| 26 51 33 00-0044 | EA | 15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15) | 148.23 | 6.80 |
| 26 51 33 00-0045 | EA | 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D) | 65.43 | 6.80 |
| 26 51 33 00-0046 | EA | 3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E) | 60.78 | 6.80 |
| 26 51 33 00-0047 | EA | 3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E) | 62.40 | 6.80 |
| 26 51 33 00-0048 | EA | 3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E) | 79.62 | 6.80 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 51 33 00-0049 | EA | 15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15) | 106.03 | 6.80 |
| 26 51 33 00-0050 | EA | 15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15) | 108.83 | 6.80 |
| 26 51 33 00-0051 | EA | Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E) | 83.90 | 6.80 |
| 26 51 33 00-0052 | EA | 3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E) | 60.78 | 6.80 |
| 26 51 33 00-0053 | EA | Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning | 56.73 | |

### 26 51 33 00-0054 Additional Lighting Wire Whips *(26 51 33)*

| | | | | |
|---|---|---|---|---|
| 26 51 33 00-0055 | LF | For Each Additional LF Of Interior Lighting Wire Whip, Add<br>Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length. | 1.90 | |

### 26 51 33 00-0056 Removal And Reinstallation Of Light Fixtures *(26 51 33)*

Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.

| | | | | |
|---|---|---|---|---|
| 26 51 33 00-0057 | EA | Removal And Reinstallation Of Lay-In Fluorescent Light Fixture | 134.19 | |
| 26 51 33 00-0058 | EA | Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture | 153.35 | |

## 26 52 Safety Lighting *(26 50)*

### 26 52 13 Emergency and Exit Lighting *(26 52)*

### 26 52 13 13 Emergency Lighting *(26 52 13)*

### 26 52 13 13-0001 Commercial Emergency Lights *(26 52 13 13)*

### 26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights *(26 52 13 13-0001)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

| | | | | |
|---|---|---|---|---|
| 26 52 13 13-0003 | EA | 3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED) | 254.56 | 31.52 |
| 26 52 13 13-0004 | EA | 10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2) | 174.06 | 31.52 |
| | | *For Halogen Lamps, Add* | *27.55* | |
| | | *For Self-Diagnostics, Add* | *87.50* | |
| 26 52 13 13-0005 | EA | 18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618) | 279.41 | 31.52 |
| | | *For Halogen Lamps, Add* | *27.55* | |
| | | *For Self-Diagnostics, Add* | *87.50* | |
| 26 52 13 13-0006 | EA | 27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627) | 327.10 | 31.52 |
| | | *For Halogen Lamps, Add* | *27.55* | |
| | | *For Self-Diagnostics, Add* | *87.50* | |
| 26 52 13 13-0007 | EA | 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654) | 490.99 | 31.52 |
| | | *For Halogen Lamps, Add* | *27.55* | |
| | | *For Self-Diagnostics, Add* | *87.50* | |
| 26 52 13 13-0008 | EA | 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254) | 557.52 | 31.52 |
| | | *For Halogen Lamps, Add* | *27.55* | |
| | | *For Self-Diagnostics, Add* | *87.50* | |
| 26 52 13 13-0009 | EA | 72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272) | 816.72 | 31.52 |
| | | *For Halogen Lamps, Add* | *27.55* | |
| | | *For Self-Diagnostics, Add* | *87.50* | |

### 26 52 13 13-0010 Remote Heads For Commercial Emergency Lights *(26 52 13 13-0001)*

Note: For use with fixtures that have remote capability.

| | | | | |
|---|---|---|---|---|
| 26 52 13 13-0011 | EA | 6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606) | 172.76 | 18.91 |
| 26 52 13 13-0012 | EA | 6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606) | 173.96 | 18.91 |
| 26 52 13 13-0013 | EA | 8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806) | 177.98 | 18.91 |
| 26 52 13 13-0014 | EA | 12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212) | 177.33 | 18.91 |
| 26 52 13 13-0015 | EA | 12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212) | 152.63 | 18.91 |
| 26 52 13 13-0016 | EA | 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206) | 103.57 | 18.91 |

### 26 52 13 13-0017 Industrial Emergency Lights *(26 52 13 13)*

### 26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

### 26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

| | | | | |
|---|---|---|---|---|
| 26 52 13 13-0020 | EA | 16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16) | 454.79 | 31.52 |
| | | *For Wireguard, Add* | *235.71* | |
| 26 52 13 13-0021 | EA | 24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24) | 380.36 | 31.52 |
| | | *For Wireguard, Add* | *235.71* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 52 13 13-0022 | EA | 36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36) | 597.90 | 31.52 |
| | | *For Wireguard, Add* | *235.71* | |
| 26 52 13 13-0023 | EA | 50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50) | 635.44 | 31.52 |
| | | *For Wireguard, Add* | *235.71* | |
| 26 52 13 13-0024 | EA | 125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125) | 910.77 | 31.52 |
| | | *For Wireguard, Add* | *251.06* | |
| 26 52 13 13-0025 | EA | 275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275) | 1,437.47 | 31.52 |
| | | *For Wireguard, Add* | *251.06* | |

### 26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*

Note: For use with fixtures that have remote capability.

| | | | | |
|---|---|---|---|---|
| 26 52 13 13-0027 | EA | 8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806) | 131.84 | 18.91 |
| | | *For Wireguard, Add* | *190.22* | |
| 26 52 13 13-0028 | EA | 12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206) | 136.52 | 18.91 |
| | | *For Wireguard, Add* | *190.22* | |
| 26 52 13 13-0029 | EA | 8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812) | 132.50 | 18.91 |
| | | *For Wireguard, Add* | *190.22* | |
| 26 52 13 13-0030 | EA | 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212) | 133.26 | 18.91 |
| | | *For Wireguard, Add* | *190.22* | |
| 26 52 13 13-0031 | EA | 12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512) | 136.52 | 18.91 |
| | | *For Wireguard, Add* | *190.22* | |
| 26 52 13 13-0032 | EA | 12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512) | 160.25 | 18.91 |
| | | *For Wireguard, Add* | *190.22* | |

### 26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

### 26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

| | | | | |
|---|---|---|---|---|
| 26 52 13 13-0035 | EA | 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618) | 448.81 | 31.52 |
| | | *For Wireguard, Add* | *229.18* | |
| | | *For Self-Diagnostics, Add* | *105.50* | |
| 26 52 13 13-0036 | EA | 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236) | 488.53 | 31.52 |
| | | *For Wireguard, Add* | *229.18* | |
| | | *For Self-Diagnostics, Add* | *105.50* | |
| 26 52 13 13-0037 | EA | 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654) | 477.65 | 31.52 |
| | | *For Wireguard, Add* | *229.18* | |
| | | *For Self-Diagnostics, Add* | *105.50* | |
| 26 52 13 13-0038 | EA | 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254) | 505.40 | 31.52 |
| | | *For Wireguard, Add* | *229.18* | |
| | | *For Self-Diagnostics, Add* | *105.50* | |
| 26 52 13 13-0039 | EA | 100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100) | 856.90 | 31.52 |
| | | *For Wireguard, Add* | *229.18* | |
| | | *For Self-Diagnostics, Add* | *105.50* | |
| 26 52 13 13-0040 | EA | 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618) | 671.35 | 31.52 |
| | | *For Wireguard, Add* | *229.18* | |
| | | *For Self-Diagnostics, Add* | *61.50* | |
| 26 52 13 13-0041 | EA | 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236) | 752.97 | 31.52 |
| | | *For Wireguard, Add* | *229.18* | |
| | | *For Self-Diagnostics, Add* | *61.50* | |
| 26 52 13 13-0042 | EA | 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254) | 794.32 | 31.52 |
| | | *For Wireguard, Add* | *229.18* | |
| | | *For Self-Diagnostics, Add* | *61.50* | |

### 26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: For use with fixtures that have remote capability.

| | | | | |
|---|---|---|---|---|
| 26 52 13 13-0044 | EA | 9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906) | 113.89 | 18.91 |
| 26 52 13 13-0045 | EA | 12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206) | 123.36 | 18.91 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 52 13 13-0046 | EA | 9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912) | 114.00 | 18.91 |
| 26 52 13 13-0047 | EA | 12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212) | 120.96 | 18.91 |
| 26 52 13 13-0048 | EA | 12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012) | 103.07 | 18.91 |
| 26 52 13 13-0049 | | Outdoor Emergency Lights *(26 52 13 13)* | | |
| 26 52 13 13-0050 | | Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights *(26 52 13 13-0049)* | | |
| | | Note: Includes nickel-cadmium batteries. | | |
| 26 52 13 13-0051 | EA | 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series) | 711.07 | 31.52 |
| 26 52 13 13-0052 | EA | 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series) | 849.82 | 31.52 |
| 26 52 13 13-0053 | | Recessed Emergency Lights *(26 52 13 13)* | | |
| 26 52 13 13-0054 | EA | 10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG) | 775.80 | 31.52 |
| | | *For Wire Guard, Add* | *60.00* | |
| 26 52 13 13-0055 | EA | 16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2) | 605.14 | 63.03 |
| | | Note: Includes lead-calcium batteries and two adjustable lamp heads. | | |
| | | *For Wireguard, Add* | *251.06* | |
| 26 52 13 13-0056 | EA | 50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4) | 874.05 | 63.03 |
| | | Note: Includes lead-calcium batteries and two adjustable lamp heads. | | |
| | | *For Wireguard, Add* | *251.06* | |
| 26 52 13 13-0057 | | Square Wraparound Emergency Lights *(26 52 13 13)* | | |
| 26 52 13 13-0058 | EA | 10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ) | 351.67 | 31.52 |
| **26 52 13 16** | | **Exit Signs** *(26 52 13)* | | |
| | | Note: Excludes pendants. | | |
| 26 52 13 16-0001 | | LED Exit Signs *(26 52 13 16)* | | |
| | | Note: Includes red LED lamps. | | |
| 26 52 13 16-0002 | EA | Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6) | 202.21 | 46.08 |
| | | *For Green LED Lamps, Add* | *15.00* | |
| | | *For >50 To 100, Deduct* | *-7.36* | |
| | | *For >100 To 250, Deduct* | *-12.41* | |
| | | *For >250 To 500, Deduct* | *-20.22* | |
| | | *For >500, Deduct* | *-28.03* | |
| 26 52 13 16-0003 | EA | Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6) | 202.21 | 46.08 |
| | | *For Green LED Lamps, Add* | *15.00* | |
| | | *For >50 To 100, Deduct* | *-7.36* | |
| | | *For >100 To 250, Deduct* | *-12.41* | |
| | | *For >250 To 500, Deduct* | *-20.22* | |
| | | *For >500, Deduct* | *-28.03* | |
| 26 52 13 16-0004 | EA | Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6) | 284.52 | 46.08 |
| | | *For Green LED Lamps, Add* | *15.00* | |
| | | *For Self-Diagnostics, Add* | *50.00* | |
| | | *For >50 To 100, Deduct* | *-9.42* | |
| | | *For >100 To 250, Deduct* | *-16.53* | |
| | | *For >250 To 500, Deduct* | *-28.45* | |
| | | *For >500, Deduct* | *-40.37* | |
| 26 52 13 16-0005 | EA | Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN) | 284.52 | 46.08 |
| | | *For Green LED Lamps, Add* | *15.00* | |
| | | *For Self-Diagnostics, Add* | *50.00* | |
| | | *For >50 To 100, Deduct* | *-9.42* | |
| | | *For >100 To 250, Deduct* | *-16.53* | |
| | | *For >250 To 500, Deduct* | *-28.45* | |
| | | *For >500, Deduct* | *-40.37* | |
| 26 52 13 16-0006 | EA | Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R) | 313.94 | 46.08 |
| | | *For Green LED Lamps, Add* | *15.00* | |
| | | *For >50 To 100, Deduct* | *-10.15* | |
| | | *For >100 To 250, Deduct* | *-18.00* | |
| | | *For >250 To 500, Deduct* | *-31.39* | |
| | | *For >500, Deduct* | *-44.79* | |
| 26 52 13 16-0007 | EA | Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R) | 356.85 | 46.08 |
| | | *For Green LED Lamps, Add* | *15.00* | |
| | | *For >50 To 100, Deduct* | *-11.23* | |
| | | *For >100 To 250, Deduct* | *-20.15* | |
| | | *For >250 To 500, Deduct* | *-35.69* | |
| | | *For >500, Deduct* | *-51.22* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 52 13 16-0008 | EA | Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N) | 296.00 | 46.08 |
| | | *For Green LED Lamps, Add* | *15.00* | |
| | | *For Self-Diagnostics, Add* | *50.00* | |
| | | *For >50 To 100, Deduct* | *-9.70* | |
| | | *For >100 To 250, Deduct* | *-17.10* | |
| | | *For >250 To 500, Deduct* | *-29.60* | |
| | | *For >500, Deduct* | *-42.10* | |
| 26 52 13 16-0009 | EA | Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N) | 327.15 | 46.08 |
| | | *For Green LED Lamps, Add* | *15.00* | |
| | | *For Self-Diagnostics, Add* | *50.00* | |
| | | *For >50 To 100, Deduct* | *-10.48* | |
| | | *For >100 To 250, Deduct* | *-18.66* | |
| | | *For >250 To 500, Deduct* | *-32.72* | |
| | | *For >500, Deduct* | *-46.77* | |
| 26 52 13 16-0010 | EA | Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4)<br>Note: Includes two circular side mounted krypton emergency lights. | 376.32 | 46.08 |
| | | *For Green LED Lamps, Add* | *15.00* | |
| | | *For >50 To 100, Deduct* | *-12.56* | |
| | | *For >100 To 250, Deduct* | *-21.97* | |
| | | *For >250 To 500, Deduct* | *-37.63* | |
| | | *For >500, Deduct* | *-53.30* | |
| 26 52 13 16-0011 | EA | Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6)<br>Note: Includes two circular side mounted LED emergency lights. | 318.24 | 46.08 |
| | | *For Green LED Lamps, Add* | *15.00* | |
| | | *For >50 To 100, Deduct* | *-11.11* | |
| | | *For >100 To 250, Deduct* | *-19.06* | |
| | | *For >250 To 500, Deduct* | *-31.82* | |
| | | *For >500, Deduct* | *-44.58* | |
| 26 52 13 16-0012 | EA | Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)<br>Note: Includes two rectangular front mounted high intensity tungsten emergency lights. | 473.49 | 46.08 |
| | | *For Green LED Lamps, Add* | *15.00* | |
| | | *For >50 To 100, Deduct* | *-14.99* | |
| | | *For >100 To 250, Deduct* | *-26.83* | |
| | | *For >250 To 500, Deduct* | *-47.35* | |
| | | *For >500, Deduct* | *-67.87* | |
| 26 52 13 16-0013 | EA | Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)<br>Note: Includes two circular side mounted PAR 36 emergency lights. | 496.10 | 46.08 |
| | | *For Green LED Lamps, Add* | *15.00* | |
| | | *For >50 To 100, Deduct* | *-15.55* | |
| | | *For >100 To 250, Deduct* | *-27.96* | |
| | | *For >250 To 500, Deduct* | *-49.61* | |
| | | *For >500, Deduct* | *-71.26* | |
| 26 52 13 16-0014 | EA | Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R) | 132.87 | 46.08 |
| | | *For >50 To 100, Deduct* | *-5.63* | |
| | | *For >100 To 250, Deduct* | *-8.95* | |
| | | *For >250 To 500, Deduct* | *-13.29* | |
| | | *For >500, Deduct* | *-17.63* | |
| 26 52 13 16-0015 | EA | 120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R) | 133.40 | 46.08 |
| | | *For >50 To 100, Deduct* | *-5.64* | |
| | | *For >100 To 250, Deduct* | *-8.97* | |
| | | *For >250 To 500, Deduct* | *-13.34* | |
| | | *For >500, Deduct* | *-17.71* | |
| 26 52 13 16-0016 | EA | Single Or Double Face, Thermoplastic Housing, LED Emergency Exit Sign With Emergency Battery (Dualite EVE-U-G0W-E) | 195.05 | 46.08 |
| | | *For >50 To 100, Deduct* | *-7.18* | |
| | | *For >100 To 250, Deduct* | *-12.06* | |
| | | *For >250 To 500, Deduct* | *-19.51* | |
| | | *For >500, Deduct* | *-26.95* | |

## 26 52 13 16-0017 Edge-Lit LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

| | | | | |
|---|---|---|---|---|
| 26 52 13 16-0018 | EA | Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6) | 279.28 | 46.08 |
| | | *For Green LED Lamps, Add* | *40.00* | |
| | | *For >50 To 100, Deduct* | *-9.29* | |
| | | *For >100 To 250, Deduct* | *-16.27* | |
| | | *For >250 To 500, Deduct* | *-27.93* | |
| | | *For >500, Deduct* | *-39.59* | |
| 26 52 13 16-0019 | EA | Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6) | 282.25 | 46.08 |
| | | *For Green LED Lamps, Add* | *40.00* | |
| | | *For >50 To 100, Deduct* | *-9.36* | |
| | | *For >100 To 250, Deduct* | *-16.42* | |
| | | *For >250 To 500, Deduct* | *-28.23* | |
| | | *For >500, Deduct* | *-40.03* | |
| 26 52 13 16-0020 | EA | Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6) | 302.35 | 46.08 |
| | | *For Green LED Lamps, Add* | *40.00* | |
| | | *For Self-Diagnostics, Add* | *50.00* | |
| | | *For >50 To 100, Deduct* | *-9.86* | |
| | | *For >100 To 250, Deduct* | *-17.42* | |
| | | *For >250 To 500, Deduct* | *-30.24* | |
| | | *For >500, Deduct* | *-43.05* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 52 13 16-0021 | EA | Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6) | 362.43 | 46.08 |
| | | *For Green LED Lamps, Add* | *40.00* | |
| | | *For Self-Diagnostics, Add* | *50.00* | |
| | | *For >50 To 100, Deduct* | *-11.36* | |
| | | *For >100 To 250, Deduct* | *-20.43* | |
| | | *For >250 To 500, Deduct* | *-36.24* | |
| | | *For >500, Deduct* | *-52.06* | |

## 26 52 13 16-0022 Self-Luminous Tritium Exit Signs *(26 52 13 16)*

Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.

| | | | | |
|---|---|---|---|---|
| 26 52 13 16-0023 | EA | 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R) | 601.45 | 46.08 |
| | | *For >50 To 100, Deduct* | *-17.34* | |
| | | *For >100 To 250, Deduct* | *-32.38* | |
| | | *For >250 To 500, Deduct* | *-60.15* | |
| | | *For >500, Deduct* | *-87.91* | |
| 26 52 13 16-0024 | EA | 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R) | 1,110.20 | 46.08 |
| | | *For >50 To 100, Deduct* | *-30.06* | |
| | | *For >100 To 250, Deduct* | *-57.81* | |
| | | *For >250 To 500, Deduct* | *-111.02* | |
| | | *For >500, Deduct* | *-164.23* | |
| 26 52 13 16-0025 | EA | 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R) | 717.35 | 46.08 |
| | | *For >50 To 100, Deduct* | *-20.24* | |
| | | *For >100 To 250, Deduct* | *-38.17* | |
| | | *For >250 To 500, Deduct* | *-71.74* | |
| | | *For >500, Deduct* | *-105.30* | |
| 26 52 13 16-0026 | EA | 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R) | 1,203.25 | 46.08 |
| | | *For >50 To 100, Deduct* | *-32.39* | |
| | | *For >100 To 250, Deduct* | *-62.47* | |
| | | *For >250 To 500, Deduct* | *-120.33* | |
| | | *For >500, Deduct* | *-178.18* | |
| 26 52 13 16-0027 | EA | 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R) | 659.13 | 46.08 |
| | | *For >50 To 100, Deduct* | *-18.78* | |
| | | *For >100 To 250, Deduct* | *-35.26* | |
| | | *For >250 To 500, Deduct* | *-65.91* | |
| | | *For >500, Deduct* | *-96.57* | |
| 26 52 13 16-0028 | EA | 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R) | 1,203.25 | 46.08 |
| | | *For >50 To 100, Deduct* | *-32.39* | |
| | | *For >100 To 250, Deduct* | *-62.47* | |
| | | *For >250 To 500, Deduct* | *-120.33* | |
| | | *For >500, Deduct* | *-178.18* | |
| 26 52 13 16-0029 | EA | 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R) | 809.85 | 46.08 |
| | | *For >50 To 100, Deduct* | *-22.55* | |
| | | *For >100 To 250, Deduct* | *-42.80* | |
| | | *For >250 To 500, Deduct* | *-80.99* | |
| | | *For >500, Deduct* | *-119.17* | |
| 26 52 13 16-0030 | EA | 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R) | 1,494.89 | 46.08 |
| | | *For >50 To 100, Deduct* | *-39.68* | |
| | | *For >100 To 250, Deduct* | *-77.05* | |
| | | *For >250 To 500, Deduct* | *-149.49* | |
| | | *For >500, Deduct* | *-221.93* | |

## 26 52 13 16-0031 Vandal-Resistant LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

| | | | | |
|---|---|---|---|---|
| 26 52 13 16-0032 | EA | Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277) | 567.17 | 46.08 |
| | | *For >50 To 100, Deduct* | *-16.48* | |
| | | *For >100 To 250, Deduct* | *-30.66* | |
| | | *For >250 To 500, Deduct* | *-56.72* | |
| | | *For >500, Deduct* | *-82.77* | |
| 26 52 13 16-0033 | EA | Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N) | 882.22 | 46.08 |
| | | *For >50 To 100, Deduct* | *-24.36* | |
| | | *For >100 To 250, Deduct* | *-46.42* | |
| | | *For >250 To 500, Deduct* | *-88.22* | |
| | | *For >500, Deduct* | *-130.03* | |
| 26 52 13 16-0034 | EA | Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X) | 1,075.38 | 46.08 |
| | | *For >50 To 100, Deduct* | *-29.19* | |
| | | *For >100 To 250, Deduct* | *-56.07* | |
| | | *For >250 To 500, Deduct* | *-107.54* | |
| | | *For >500, Deduct* | *-159.00* | |

## 26 52 13 16-0035 Removal And Reinstallation Of Exit Light Fixture *(26 52 13 16)*

| | | | | |
|---|---|---|---|---|
| 26 52 13 16-0036 | EA | Removal And Reinstall Of Exit Light Fixtures<br>Note: Includes storage and cleaning. | 94.55 | |
| | | *For >50 To 100, Deduct* | *-4.73* | |
| | | *For >100 To 250, Deduct* | *-7.09* | |
| | | *For >250 To 500, Deduct* | *-9.46* | |
| | | *For >500, Deduct* | *-11.82* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 52 13 16-0037 | | Exit Sign Accessories *(26 52 13 16)* | | |
| 26 52 13 16-0038 | EA | Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1) | 134.05 | 12.63 |
| | | *For >50 To 100, Deduct* | *-3.98* | |
| | | *For >100 To 250, Deduct* | *-7.33* | |
| | | *For >250 To 500, Deduct* | *-13.41* | |
| | | *For >500, Deduct* | *-19.48* | |
| 26 52 13 16-0039 | EA | Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1) | 77.74 | 12.63 |
| | | *For >50 To 100, Deduct* | *-2.57* | |
| | | *For >100 To 250, Deduct* | *-4.52* | |
| | | *For >250 To 500, Deduct* | *-7.77* | |
| | | *For >500, Deduct* | *-11.03* | |
| 26 52 13 16-0040 | EA | Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3) | 125.17 | 10.10 |
| | | *For >50 To 100, Deduct* | *-3.63* | |
| | | *For >100 To 250, Deduct* | *-6.76* | |
| | | *For >250 To 500, Deduct* | *-12.52* | |
| | | *For >500, Deduct* | *-18.27* | |
| 26 52 13 16-0041 | EA | Removal And Replacement Of Battery For Exit Signs | 133.74 | |
| | | Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity | | |
| | | *For >50 To 100, Deduct* | *-4.13* | |
| | | *For >100 To 250, Deduct* | *-7.48* | |
| | | *For >250 To 500, Deduct* | *-13.37* | |
| | | *For >500, Deduct* | *-19.27* | |

## 26 54 Classified Location Lighting *(26 50)*

### 26 54 19 LED Classified Location Lighting *(26 54)*

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures *(26 54 19)*

26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 54 19 00-0003 | EA | 5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L) | 2,587.67 | 103.66 |
| | | *For Bolt-On Visor, Add* | *98.76* | |
| | | *For Bolt-On Wire Guard, Add* | *203.13* | |
| | | *For 480 Volt, Add* | *173.91* | |
| | | *For Warm White Color Rendering, Add* | *73.84* | |
| | | *For >50 To 100, Deduct* | *-69.01* | |
| | | *For >100 To 250, Deduct* | *-133.70* | |
| | | *For >250 To 500, Deduct* | *-258.77* | |
| | | *For >500, Deduct* | *-383.83* | |
| 26 54 19 00-0004 | EA | 7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L) | 3,168.07 | 110.57 |
| | | *For Bolt-On Visor, Add* | *98.76* | |
| | | *For Bolt-On Wire Guard, Add* | *203.13* | |
| | | *For 480 Volt, Add* | *173.91* | |
| | | *For Warm White Color Rendering, Add* | *73.84* | |
| | | *For >50 To 100, Deduct* | *-83.81* | |
| | | *For >100 To 250, Deduct* | *-163.01* | |
| | | *For >250 To 500, Deduct* | *-316.81* | |
| | | *For >500, Deduct* | *-470.60* | |
| 26 54 19 00-0005 | EA | 9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L) | 3,577.85 | 117.49 |
| | | *For Bolt-On Visor, Add* | *98.76* | |
| | | *For Bolt-On Wire Guard, Add* | *203.13* | |
| | | *For 480 Volt, Add* | *173.91* | |
| | | *For Warm White Color Rendering, Add* | *73.84* | |
| | | *For >50 To 100, Deduct* | *-94.34* | |
| | | *For >100 To 250, Deduct* | *-183.79* | |
| | | *For >250 To 500, Deduct* | *-357.79* | |
| | | *For >500, Deduct* | *-531.78* | |
| 26 54 19 00-0006 | EA | 11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L) | 3,998.98 | 124.39 |
| | | *For Bolt-On Visor, Add* | *98.76* | |
| | | *For Bolt-On Wire Guard, Add* | *203.13* | |
| | | *For 480 Volt, Add* | *173.91* | |
| | | *For Warm White Color Rendering, Add* | *73.84* | |
| | | *For >50 To 100, Deduct* | *-105.16* | |
| | | *For >100 To 250, Deduct* | *-205.13* | |
| | | *For >250 To 500, Deduct* | *-399.90* | |
| | | *For >500, Deduct* | *-594.66* | |

26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 54 19 00-0008 | EA | 1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) | 1,532.32 | 96.75 |
| | | *For 12/24 Volt DC Driver, Add* | *28.07* | |
| | | *For Frosted Lens, Add* | *57.36* | |
| | | *For Warm White Color Temperature LEDs, Add* | *73.84* | |
| | | *For 55 Degree Ambient Suitability (AC Only) Option, Add* | *38.21* | |
| | | *For Stanchion Mount, Add* | *236.62* | |
| | | *For Ceiling Mount, Add* | *94.88* | |
| | | *For Wall Mount, Add* | *138.51* | |
| | | *For Teflon Coated Lens, Add* | *121.74* | |
| | | *For Wall Mount With Junction Box, Add* | *202.23* | |
| | | *For >50 To 100, Deduct* | *-42.34* | |
| | | *For >100 To 250, Deduct* | *-80.65* | |
| | | *For >250 To 500, Deduct* | *-153.23* | |
| | | *For >500, Deduct* | *-225.82* | |

26 54 19 00-0009 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

| | | | | |
|---|---|---|---|---|
| 26 54 19 00-0010 | EA | 3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L) | 2,432.13 | 96.75 |
| | | *For Ceiling Mount, Add* | *18.16* | |
| | | *For Quick Clip Mounting Option, Add* | *26.67* | |
| | | *For Frosted Lens, Add* | *57.36* | |
| | | *For Warm White Color Rendering, Add* | *73.84* | |
| | | *For Polycarbonate Lens, Add* | *106.32* | |
| | | *For 480 Volt, Add* | *173.91* | |
| | | *For >50 To 100, Deduct* | *-64.83* | |
| | | *For >100 To 250, Deduct* | *-125.64* | |
| | | *For >250 To 500, Deduct* | *-243.21* | |
| | | *For >500, Deduct* | *-360.79* | |
| 26 54 19 00-0011 | EA | 3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L) | 2,693.55 | 103.66 |
| | | *For Ceiling Mount, Add* | *18.16* | |
| | | *For Quick Clip Mounting Option, Add* | *26.67* | |
| | | *For Frosted Lens, Add* | *57.36* | |
| | | *For Warm White Color Rendering, Add* | *73.84* | |
| | | *For Polycarbonate Lens, Add* | *106.32* | |
| | | *For 480 Volt, Add* | *173.91* | |
| | | *For >50 To 100, Deduct* | *-71.66* | |
| | | *For >100 To 250, Deduct* | *-139.00* | |
| | | *For >250 To 500, Deduct* | *-269.36* | |
| | | *For >500, Deduct* | *-399.71* | |
| 26 54 19 00-0012 | EA | 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L) | 3,017.68 | 110.57 |
| | | *For Ceiling Mount, Add* | *18.16* | |
| | | *For Quick Clip Mounting Option, Add* | *26.67* | |
| | | *For Frosted Lens, Add* | *57.36* | |
| | | *For Warm White Color Rendering, Add* | *73.84* | |
| | | *For Polycarbonate Lens, Add* | *106.32* | |
| | | *For 480 Volt, Add* | *173.91* | |
| | | *For >50 To 100, Deduct* | *-80.05* | |
| | | *For >100 To 250, Deduct* | *-155.49* | |
| | | *For >250 To 500, Deduct* | *-301.77* | |
| | | *For >500, Deduct* | *-448.04* | |
| 26 54 19 00-0013 | EA | 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L) | 3,929.99 | 117.49 |
| | | *For Ceiling Mount, Add* | *18.16* | |
| | | *For Quick Clip Mounting Option, Add* | *26.67* | |
| | | *For Frosted Lens, Add* | *57.36* | |
| | | *For Warm White Color Rendering, Add* | *73.84* | |
| | | *For Polycarbonate Lens, Add* | *106.32* | |
| | | *For 480 Volt, Add* | *173.91* | |
| | | *For >50 To 100, Deduct* | *-103.15* | |
| | | *For >100 To 250, Deduct* | *-201.39* | |
| | | *For >250 To 500, Deduct* | *-393.00* | |
| | | *For >500, Deduct* | *-584.60* | |
| 26 54 19 00-0014 | EA | 9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L) | 4,508.31 | 124.39 |
| | | *For Ceiling Mount, Add* | *18.16* | |
| | | *For Quick Clip Mounting Option, Add* | *26.67* | |
| | | *For Frosted Lens, Add* | *57.36* | |
| | | *For Warm White Color Rendering, Add* | *73.84* | |
| | | *For Polycarbonate Lens, Add* | *106.32* | |
| | | *For 480 Volt, Add* | *173.91* | |
| | | *For >50 To 100, Deduct* | *-117.89* | |
| | | *For >100 To 250, Deduct* | *-230.60* | |
| | | *For >250 To 500, Deduct* | *-450.83* | |
| | | *For >500, Deduct* | *-671.06* | |

26 54 19 00-0015 Class I Division 1, Explosion Proof, LED Fixtures *(26 54 19)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 54 19 00-0016 | | Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 54 19 00-0015)* Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing. | | |
| 26 54 19 00-0017 | EA | 5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L) | 4,467.19 | 103.66 |
| | | *For Wall Mount, Deduct* | *-17.16* | |
| | | *For Warm Color Temperature LEDs, Add* | *92.41* | |
| | | *For Stainless Steel Guard, Add* | *165.88* | |
| | | *For Ceiling Mount, Add* | *200.11* | |
| | | *For Stanchion Mount, Add* | *232.89* | |
| | | *For Yoke Mount, Add* | *582.23* | |
| | | *For >50 To 100, Deduct* | *-116.00* | |
| | | *For >100 To 250, Deduct* | *-227.68* | |
| | | *For >250 To 500, Deduct* | *-446.72* | |
| | | *For >500, Deduct* | *-665.76* | |
| 26 54 19 00-0018 | EA | 6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L) | 5,435.29 | 110.57 |
| | | *For Wall Mount, Deduct* | *-17.16* | |
| | | *For Warm Color Temperature LEDs, Add* | *92.41* | |
| | | *For Stainless Steel Guard, Add* | *165.88* | |
| | | *For Ceiling Mount, Add* | *200.11* | |
| | | *For Stanchion Mount, Add* | *232.89* | |
| | | *For Yoke Mount, Add* | *582.23* | |
| | | *For >50 To 100, Deduct* | *-140.49* | |
| | | *For >100 To 250, Deduct* | *-276.37* | |
| | | *For >250 To 500, Deduct* | *-543.53* | |
| | | *For >500, Deduct* | *-810.69* | |
| 26 54 19 00-0019 | EA | 9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L) | 6,316.56 | 117.49 |
| | | *For Wall Mount, Deduct* | *-17.16* | |
| | | *For Warm Color Temperature LEDs, Add* | *92.41* | |
| | | *For Stainless Steel Guard, Add* | *165.88* | |
| | | *For Ceiling Mount, Add* | *200.11* | |
| | | *For Stanchion Mount, Add* | *232.89* | |
| | | *For Yoke Mount, Add* | *582.23* | |
| | | *For >50 To 100, Deduct* | *-162.81* | |
| | | *For >100 To 250, Deduct* | *-320.72* | |
| | | *For >250 To 500, Deduct* | *-631.66* | |
| | | *For >500, Deduct* | *-942.59* | |
| 26 54 19 00-0020 | EA | 10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L) | 7,214.05 | 124.39 |
| | | *For Wall Mount, Deduct* | *-17.16* | |
| | | *For Warm Color Temperature LEDs, Add* | *92.41* | |
| | | *For Stainless Steel Guard, Add* | *165.88* | |
| | | *For Ceiling Mount, Add* | *200.11* | |
| | | *For Stanchion Mount, Add* | *232.89* | |
| | | *For Yoke Mount, Add* | *582.23* | |
| | | *For >50 To 100, Deduct* | *-185.53* | |
| | | *For >100 To 250, Deduct* | *-365.89* | |
| | | *For >250 To 500, Deduct* | *-721.41* | |
| | | *For >500, Deduct* | *-1,076.92* | |
| 26 54 19 00-0021 | EA | 13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L) | 8,361.93 | 119.78 |
| | | *For Wall Mount, Deduct* | *-17.16* | |
| | | *For Warm Color Temperature LEDs, Add* | *92.41* | |
| | | *For Stainless Steel Guard, Add* | *165.88* | |
| | | *For Ceiling Mount, Add* | *200.11* | |
| | | *For Stanchion Mount, Add* | *232.89* | |
| | | *For Yoke Mount, Add* | *582.23* | |
| | | *For >50 To 100, Deduct* | *-214.52* | |
| | | *For >100 To 250, Deduct* | *-423.57* | |
| | | *For >250 To 500, Deduct* | *-836.19* | |
| | | *For >500, Deduct* | *-1,248.82* | |

## 26 55 Special Purpose Lighting *(26 50)*

### 26 55 13 Landscape Lighting *(26 55)*

| | | | | |
|---|---|---|---|---|
| 26 55 13 00-0001 | | Bollards *(26 55 13)* Note: Excludes concrete base. | | |
| 26 55 13 00-0002 | | Aluminum Architectural Bollards *(26 55 13 00-0001)* | | |
| 26 55 13 00-0003 | | High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0002)* | | |
| 26 55 13 00-0004 | | Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)* | | |
| 26 55 13 00-0005 | EA | 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,635.07 | 107.16 |
| 26 55 13 00-0006 | EA | 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,647.67 | 113.46 |
| 26 55 13 00-0007 | EA | 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,660.28 | 119.76 |
| 26 55 13 00-0008 | EA | 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,535.70 | 126.07 |
| 26 55 13 00-0009 | EA | 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,635.07 | 107.16 |
| 26 55 13 00-0010 | EA | 30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,647.67 | 113.46 |
| 26 55 13 00-0011 | EA | 36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,660.28 | 119.76 |
| 26 55 13 00-0012 | EA | 42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,535.70 | 126.07 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 13 00-0013 | EA | 24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,635.07 | 107.16 |
| 26 55 13 00-0014 | EA | 30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,647.67 | 113.46 |
| 26 55 13 00-0015 | EA | 36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,660.28 | 119.76 |
| 26 55 13 00-0016 | EA | 42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,535.70 | 126.07 |
| 26 55 13 00-0017 | EA | 24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,635.07 | 107.16 |
| 26 55 13 00-0018 | EA | 30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,647.67 | 113.46 |
| 26 55 13 00-0019 | EA | 36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,660.28 | 119.76 |
| 26 55 13 00-0020 | EA | 42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,535.70 | 126.07 |
| 26 55 13 00-0021 | | Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)* | | |
| 26 55 13 00-0022 | EA | 24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,572.07 | 107.16 |
| 26 55 13 00-0023 | EA | 30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,584.67 | 113.46 |
| 26 55 13 00-0024 | EA | 36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,597.28 | 119.76 |
| 26 55 13 00-0025 | EA | 42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,472.12 | 126.07 |
| 26 55 13 00-0026 | EA | 24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,572.07 | 107.16 |
| 26 55 13 00-0027 | EA | 30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,584.67 | 113.46 |
| 26 55 13 00-0028 | EA | 36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,597.28 | 119.76 |
| 26 55 13 00-0029 | EA | 42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,472.12 | 126.07 |
| 26 55 13 00-0030 | EA | 24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,572.07 | 107.16 |
| 26 55 13 00-0031 | EA | 30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,584.67 | 113.46 |
| 26 55 13 00-0032 | EA | 36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,597.28 | 119.76 |
| 26 55 13 00-0033 | EA | 42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,472.12 | 126.07 |
| 26 55 13 00-0034 | EA | 24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,572.07 | 107.16 |
| 26 55 13 00-0035 | EA | 30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,584.67 | 113.46 |
| 26 55 13 00-0036 | EA | 36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,597.28 | 119.76 |
| 26 55 13 00-0037 | EA | 42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard | 1,472.12 | 126.07 |
| 26 55 13 00-0038 | | Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0002)* | | |
| 26 55 13 00-0039 | | Square, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)* | | |
| 26 55 13 00-0040 | EA | 24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard | 1,716.87 | 107.16 |
| 26 55 13 00-0041 | EA | 30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard | 1,729.47 | 113.46 |
| 26 55 13 00-0042 | EA | 36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard | 1,742.08 | 119.76 |
| 26 55 13 00-0043 | EA | 42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard | 1,616.92 | 126.07 |
| 26 55 13 00-0044 | EA | 24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard | 1,716.87 | 107.16 |
| 26 55 13 00-0045 | EA | 30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard | 1,729.47 | 113.46 |
| 26 55 13 00-0046 | EA | 36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard | 1,742.08 | 119.76 |
| 26 55 13 00-0047 | EA | 42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard | 1,616.92 | 126.07 |
| 26 55 13 00-0048 | EA | 24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard | 1,716.87 | 107.16 |
| 26 55 13 00-0049 | EA | 30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard | 1,729.47 | 113.46 |
| 26 55 13 00-0050 | EA | 36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard | 1,742.08 | 119.76 |
| 26 55 13 00-0051 | EA | 42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard | 1,685.38 | 126.07 |
| 26 55 13 00-0052 | | Round, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)* | | |
| 26 55 13 00-0053 | EA | 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard | 1,653.30 | 107.16 |
| 26 55 13 00-0054 | EA | 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard | 1,665.90 | 113.46 |
| 26 55 13 00-0055 | EA | 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard | 1,678.51 | 119.76 |
| 26 55 13 00-0056 | EA | 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard | 1,553.35 | 126.07 |
| 26 55 13 00-0057 | EA | 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard | 1,653.30 | 107.16 |
| 26 55 13 00-0058 | EA | 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard | 1,665.90 | 113.46 |
| 26 55 13 00-0059 | EA | 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard | 1,678.51 | 119.76 |
| 26 55 13 00-0060 | EA | 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard | 1,553.35 | 126.07 |
| 26 55 13 00-0061 | EA | 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard | 1,653.30 | 107.16 |
| 26 55 13 00-0062 | EA | 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard | 1,665.90 | 113.46 |
| 26 55 13 00-0063 | EA | 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard | 1,678.51 | 119.76 |
| 26 55 13 00-0064 | EA | 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard | 1,553.35 | 126.07 |
| 26 55 13 00-0065 | | Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0002)* | | |
| 26 55 13 00-0066 | | Square, Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0065)* | | |
| 26 55 13 00-0067 | EA | 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,627.90 | 107.16 |
| 26 55 13 00-0068 | EA | 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,640.50 | 113.46 |
| 26 55 13 00-0069 | EA | 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,653.11 | 119.76 |
| 26 55 13 00-0070 | EA | 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,529.81 | 126.07 |
| 26 55 13 00-0071 | EA | 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,627.90 | 107.16 |
| 26 55 13 00-0072 | EA | 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,640.50 | 113.46 |
| 26 55 13 00-0073 | EA | 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,653.11 | 119.76 |
| 26 55 13 00-0074 | EA | 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,529.81 | 126.07 |
| 26 55 13 00-0075 | EA | 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,627.90 | 107.16 |
| 26 55 13 00-0076 | EA | 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,640.50 | 113.46 |
| 26 55 13 00-0077 | EA | 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,653.11 | 119.76 |
| 26 55 13 00-0078 | EA | 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,529.81 | 126.07 |
| 26 55 13 00-0079 | | Round, Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0065)* | | |
| 26 55 13 00-0080 | EA | 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,565.71 | 107.16 |
| 26 55 13 00-0081 | EA | 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,578.31 | 113.46 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 13 00-0082 | EA | 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,590.92 | 119.76 |
| 26 55 13 00-0083 | EA | 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,468.82 | 126.07 |
| 26 55 13 00-0084 | EA | 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,565.71 | 107.16 |
| 26 55 13 00-0085 | EA | 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,578.31 | 113.46 |
| 26 55 13 00-0086 | EA | 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,590.92 | 119.76 |
| 26 55 13 00-0087 | EA | 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,468.82 | 126.07 |
| 26 55 13 00-0088 | EA | 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,565.71 | 107.16 |
| 26 55 13 00-0089 | EA | 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,578.31 | 113.46 |
| 26 55 13 00-0090 | EA | 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,590.92 | 119.76 |
| 26 55 13 00-0091 | EA | 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard | 1,468.82 | 126.07 |
| **26 55 13 00-0092** | | **LED, Aluminum Architectural Bollards** *(26 55 13 00-0002)* | | |
| **26 55 13 00-0093** | | **Square, LED, Aluminum Architectural Bollards** *(26 55 13 00-0092)* | | |
| 26 55 13 00-0094 | EA | 24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard | 1,950.80 | 107.16 |
| 26 55 13 00-0095 | EA | 30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard | 1,963.40 | 113.46 |
| 26 55 13 00-0096 | EA | 36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard | 1,976.01 | 119.76 |
| 26 55 13 00-0097 | EA | 42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard | 1,854.43 | 126.07 |
| 26 55 13 00-0098 | EA | 24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard | 2,383.72 | 107.16 |
| 26 55 13 00-0099 | EA | 30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard | 2,396.32 | 113.46 |
| 26 55 13 00-0100 | EA | 36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard | 2,408.93 | 119.76 |
| 26 55 13 00-0101 | EA | 42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard | 2,285.20 | 126.07 |
| **26 55 13 00-0102** | | **Round, LED, Aluminum Architectural Bollards** *(26 55 13 00-0092)* | | |
| 26 55 13 00-0103 | EA | 24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard | 1,886.22 | 107.16 |
| 26 55 13 00-0104 | EA | 30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard | 1,898.82 | 113.46 |
| 26 55 13 00-0105 | EA | 36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard | 1,911.43 | 119.76 |
| 26 55 13 00-0106 | EA | 42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard | 1,787.70 | 126.07 |
| 26 55 13 00-0107 | EA | 24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard | 2,319.14 | 107.16 |
| 26 55 13 00-0108 | EA | 30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard | 2,331.74 | 113.46 |
| 26 55 13 00-0109 | EA | 36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard | 2,344.35 | 119.76 |
| 26 55 13 00-0110 | EA | 42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard | 2,221.39 | 126.07 |
| **26 55 13 00-0111** | | **Round, LED, Cast Aluminum Bollards** *(26 55 13 00-0092)* | | |
| 26 55 13 00-0112 | EA | 42" Overall Height, 8" Diameter, 24 Watt, 20 LEDs, Cast Aluminum Bollard (Kim LED VRB1/20L4KUV/DB) | 3,054.26 | 126.07 |
| | | *For 3/4" Eye Bolt (Paint) Option, Add* | *360.00* | |
| 26 55 13 00-0113 | EA | 42" Overall Height, 8" Diameter, 18 Watt, 15 LEDs, Cast Aluminum Bollard (Kim LED VRB1/15L5KUV/PS MODIFY) | 2,506.48 | 126.07 |
| | | *For 3/4" Eye Bolt (Paint) Option, Add* | *360.00* | |
| 26 55 13 00-0114 | EA | 42" Overall Height, 8" Diameter, Cast Aluminum Bollard (Kim LED VRB1/UNLIT/PS MODIFY) | 2,168.87 | 126.07 |
| | | *For 3/4" Eye Bolt (Paint) Option, Add* | *360.00* | |
| **26 55 13 00-0115** | | **Reinforced Concrete Bollards** *(26 55 13 00-0001)* | | |
| 26 55 13 00-0116 | EA | 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard | 1,605.06 | 315.17 |
| 26 55 13 00-0117 | EA | 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard | 2,828.99 | 420.18 |
| **26 55 13 00-0118** | | **Low Voltage** *(26 55 13)* | | |
| 26 55 13 00-0119 | EA | Low Voltage Recessed Uplight | 794.52 | 229.45 |
| 26 55 13 00-0120 | EA | Low Voltage Walkway | 554.75 | 126.07 |
| 26 55 13 00-0121 | EA | Low Voltage Malibu - 5 Light Set | 556.70 | 168.30 |
| 26 55 13 00-0122 | EA | Low Voltage Mushroom 24" Pier | 477.72 | 126.07 |
| **26 55 13 00-0123** | | **Recessed, Adjustable** *(26 55 13)* | | |
| 26 55 13 00-0124 | EA | 150 Watt Incandescent Recessed, Adjustable | 915.08 | 201.71 |
| 26 55 13 00-0125 | EA | 300 Watt Incandescent Recessed, Adjustable | 997.61 | 201.71 |
| **26 55 13 00-0126** | | **Recessed, Uplight** *(26 55 13)* | | |
| 26 55 13 00-0127 | EA | 50 Watt Incandescent Recessed Uplight | 821.54 | 201.71 |
| 26 55 13 00-0128 | EA | 150 Watt Incandescent Recessed Uplight | 838.05 | 201.71 |
| 26 55 13 00-0129 | EA | 300 Watt Incandescent Recessed Uplight | 887.57 | 201.71 |
| 26 55 13 00-0130 | EA | 500 Watt Quartz Recessed Uplight | 882.07 | 201.71 |
| 26 55 13 00-0131 | EA | 5 Watt, LED Recessed Uplight | 1,193.69 | 201.71 |
| 26 55 13 00-0132 | EA | 15 Watt, LED Recessed Uplight | 1,314.30 | 201.71 |
| **26 55 13 00-0133** | | **Recessed Wall Light** *(26 55 13)* | | |
| 26 55 13 00-0134 | EA | 100 Watt Incandescent Recessed Wall Light | 428.20 | 126.07 |
| 26 55 13 00-0135 | EA | 100 Watt Fluorescent Recessed Wall Light | 411.70 | 126.07 |
| 26 55 13 00-0136 | EA | 100 Watt High Intensity Discharge (HID) Recessed Wall Light | 661.24 | 168.30 |
| **26 55 13 00-0137** | | **Step Lights** *(26 55 13)* | | |
| 26 55 13 00-0138 | EA | Incandescent Step Light | 350.19 | 100.85 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 13 00-0139 | EA | Fluorescent Step Light | 405.28 | 100.85 |
| 26 55 13 00-0140 | EA | 5 Watt, LED Step Light | 656.02 | 100.85 |
| 26 55 13 00-0141 | EA | 15 Watt, LED Step Light | 784.67 | 100.85 |
| **26 55 13 00-0142** | | **Tree Lights, Surface Adjustable** *(26 55 13)* | | |
| 26 55 13 00-0143 | EA | 50 Watt Incandescent Tree Lights | 732.77 | 168.30 |
| 26 55 13 00-0144 | EA | 100 Watt Incandescent Tree Lights | 749.27 | 168.30 |
| 26 55 13 00-0145 | EA | 150 Watt Incandescent Tree Lights | 944.43 | 252.14 |
| **26 55 13 00-0146** | | **Step Lighting Faceplate Trim Replacement** *(26 55 13)* | | |
| 26 55 13 00-0147 | EA | 8.07" x 3.62", Bronze Finish, Diffused Lens, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STO209 #TA9138U9) | 73.17 | 17.65 |
| 26 55 13 00-0148 | EA | 9.84" x 3.62", Bronze Finish, Diffused Lens, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STO259 #TA9132U9) | 88.11 | 17.65 |
| 26 55 13 00-0149 | EA | 9.84" x 3.62", Bronze Finish, Diffused Lens, Recessed Vertical Step Lighting Faceplate Trim (WE-EF SVO259 #133-0107) | 164.68 | 17.65 |
| 26 55 13 00-0150 | EA | 8.07" x 3.62", Bronze Finish, Diffused Grille, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STG209 #TA9139U9) | 93.71 | 17.65 |
| 26 55 13 00-0151 | EA | 9.84" x 3.62", Bronze Finish, Diffused Grille, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STG259 #TA9133U9) | 101.18 | 17.65 |
| 26 55 13 00-0152 | EA | 8.07" x 3.62", Bronze Finish, Shielded Louver, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STL209 #TA9140U9) | 84.38 | 17.65 |
| 26 55 13 00-0153 | EA | 9.84" x 3.62", Bronze Finish, Shielded Louver, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STL259 #TA9134U9) | 99.32 | 17.65 |
| 26 55 13 00-0154 | EA | 9.84" x 3.62", Bronze Finish, Shielded Louver, Recessed Vertical Step Lighting Faceplate Trim (WE-EF SVL259 #133-0114) | 110.52 | 17.65 |
| 26 55 13 00-0155 | EA | 8.07" x 3.62", Bronze Finish, Asymmetric Forward Throw, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STP209 #TA9141U9) | 84.38 | 17.65 |
| 26 55 13 00-0156 | EA | 9.84" x 3.62", Bronze Finish, Asymmetric Forward Throw, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STP259 #TA9135U9) | 99.32 | 17.65 |
| **26 55 16** | | **Walkway Lighting** *(26 55)* | | |
| **26 55 16 00-0001** | | **Incandescent Walkway** *(26 55 16)* | | |
| 26 55 16 00-0002 | EA | Post Top 300 Watt Incandescent Walkway Fixture | 411.54 | 117.24 |
| **26 55 16 00-0003** | | **Metal Halide Walkway** *(26 55 16)* | | |
| 26 55 16 00-0004 | EA | Post Top 100 Watt Metal Halide Walkway Fixture | 633.56 | 184.31 |
| 26 55 16 00-0005 | EA | Post Top 150-175 Watt Metal Halide Walkway Fixture | 670.02 | 191.00 |
| 26 55 16 00-0006 | EA | Post Top 250 Watt Metal Halide Walkway Fixture | 720.82 | 198.30 |
| 26 55 16 00-0007 | EA | Post Top 400 Watt Metal Halide Walkway Fixture | 772.39 | 214.32 |
| 26 55 16 00-0008 | EA | Round Luminaries 100 Watt Metal Halide Walkway Fixture | 689.93 | 198.30 |
| 26 55 16 00-0009 | EA | Round Luminaries 150-175 Watt Metal Halide Walkway Fixture | 692.99 | 184.31 |
| 26 55 16 00-0010 | EA | Round Luminaries 250 Watt Metal Halide Walkway Fixture | 707.11 | 191.00 |
| 26 55 16 00-0011 | EA | Spherical 100 Watt Metal Halide Walkway Fixture | 556.13 | 131.36 |
| 26 55 16 00-0012 | EA | Spherical 150-175 Watt Metal Halide Walkway Fixture | 587.02 | 131.36 |
| 26 55 16 00-0013 | EA | Spherical 250 Watt Metal Halide Walkway Fixture | 617.92 | 131.36 |
| 26 55 16 00-0014 | EA | Spherical 400 Watt Metal Halide Walkway Fixture | 697.55 | 147.87 |
| 26 55 16 00-0015 | EA | Low Walkway 100 Watt Metal Halide Walkway Fixture | 529.57 | 118.00 |
| **26 55 16 00-0016** | | **High Pressure Sodium Walkway** *(26 55 16)* | | |
| 26 55 16 00-0017 | EA | Post Top 100 Watt High Pressure Sodium Walkway Fixture | 575.60 | 184.31 |
| 26 55 16 00-0018 | EA | Post Top 150-175 Watt High Pressure Sodium Walkway Fixture | 607.02 | 191.00 |
| 26 55 16 00-0019 | EA | Post Top 250 Watt High Pressure Sodium Walkway Fixture | 649.86 | 198.30 |
| 26 55 16 00-0020 | EA | Post Top 400 Watt High Pressure Sodium Walkway Fixture | 697.23 | 214.32 |
| 26 55 16 00-0021 | EA | Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture | 625.73 | 198.30 |
| 26 55 16 00-0022 | EA | Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture | 622.03 | 184.31 |
| 26 55 16 00-0023 | EA | Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture | 636.00 | 191.00 |
| 26 55 16 00-0024 | EA | Spherical 100 Watt High Pressure Sodium Walkway Fixture | 491.93 | 131.36 |
| 26 55 16 00-0025 | EA | Spherical 175 150-Watt High Pressure Sodium Walkway Fixture | 516.07 | 131.36 |
| 26 55 16 00-0026 | EA | Spherical 250 Watt High Pressure Sodium Walkway Fixture | 540.20 | 131.36 |
| 26 55 16 00-0027 | EA | Spherical 400 Watt High Pressure Sodium Walkway Fixture | 609.69 | 147.87 |
| 26 55 16 00-0028 | EA | Low Walkway 100 Watt High Pressure Sodium Walkway Fixture | 493.94 | 118.00 |
| **26 55 16 00-0029** | | **Walkway, Adjustable** *(26 55 16)* | | |
| 26 55 16 00-0030 | EA | 2' Fluorescent Adjustable Walkway Fixture | 595.74 | 168.30 |
| 26 55 16 00-0031 | EA | 4' Fluorescent Adjustable Walkway Fixture | 610.98 | 168.30 |
| 26 55 16 00-0032 | EA | 8' Fluorescent Adjustable Walkway Fixture | 1,042.83 | 252.14 |
| 26 55 16 00-0033 | EA | 50 Watt Incandescent Adjustable Walkway Fixture | 496.02 | 126.07 |
| 26 55 16 00-0034 | EA | 150 Watt Incandescent Adjustable Walkway Fixture | 516.34 | 126.07 |
| **26 55 16 00-0035** | | **LED Walkway** *(26 55 16)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 16 00-0036 | | LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 55 16 00-0035)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors. | | |
| 26 55 16 00-0037 | EA | 13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) | 1,004.29 | 96.75 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| 26 55 16 00-0038 | EA | 18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) | 1,036.71 | 96.75 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| 26 55 16 00-0039 | EA | 36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) | 1,093.93 | 96.75 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| 26 55 16 00-0040 | EA | 42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) | 1,137.80 | 96.75 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| 26 55 16 00-0041 | EA | 96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) | 1,307.86 | 124.39 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| 26 55 16 00-0042 | | Wall Mounted Walkway Lighting *(26 55 16 00-0035)* | | |
| 26 55 16 00-0043 | EA | Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) Note: Type Fixture 17 as Post | 4,606.99 | |
| 26 55 16 00-0044 | | Pole Mounted Walkway Lighting *(26 55 16 00-0035)* | | |
| 26 55 16 00-0045 | EA | 43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27) | 4,245.38 | |
| 26 55 16 00-0046 | EA | 12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) Note: Washers and nuts included | 4,167.92 | |
| **26 55 29** | | **Underwater Lighting** *(26 55)* | | |
| 26 55 29 00-0001 | | Underwater Lights *(26 55 29)* | | |
| 26 55 29 00-0002 | EA | 150 Watt, 120 Volt Underwater Lights | 591.34 | 83.84 |
| 26 55 29 00-0003 | EA | 300 Watt, 120 Volt Underwater Lights | 657.36 | 83.84 |
| 26 55 29 00-0004 | EA | 1,000 Watt, 120 Volt Underwater Lights | 1,600.13 | 126.07 |
| 26 55 29 00-0005 | EA | 50 Watt, 12 Volt Underwater Lights | 618.85 | 83.84 |
| 26 55 29 00-0006 | EA | 300 Watt, 12 Volt Underwater Lights | 695.87 | 83.84 |
| 26 55 29 00-0007 | SET | Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent | 1,780.86 | 189.10 |
| **26 55 39** | | **Helipad Lighting** *(26 55)* | | |
| 26 55 39 00-0001 | EA | Heliport Perimeter Light, 40 Watt With Base Housing | 525.03 | 172.77 |
| 26 55 39 00-0002 | EA | Heliport Landing Direction Light, 40 Watt With Base Housing | 525.03 | 172.77 |
| 26 55 39 00-0003 | EA | Heliport Pad Insert Light, 40 Watt With Base Housing | 1,383.01 | 172.77 |
| 26 55 39 00-0004 | EA | Heliport 10' Steel Pole, With 2 - 500 Watt Floodlights | 5,204.16 | 460.71 |
| 26 55 39 00-0005 | EA | Heliport 1 Obstruction Light, 69 Watt | 502.67 | 143.97 |
| 26 55 39 00-0006 | EA | Heliport 2 Obstruction Light, 2 - 69 Watt | 644.20 | 172.77 |
| 26 55 39 00-0007 | EA | Lighted Wind Cone, 8' Wind Sock x 20' Standard 4 Deep Bowl - 150 Watt Fixture Reflector Fixtures, 1 - 69 Watt Obstruction Light | 6,418.42 | 1,742.31 |
| 26 55 39 00-0008 | EA | Heliport Light Photoelectric Control | 645.54 | 115.18 |
| 26 55 39 00-0009 | EA | Heliport Air To Ground Radio Control Receiver | 2,812.99 | 230.36 |
| **26 55 53** | | **Security Lighting** *(26 55)* | | |
| **26 55 53 11** | | **Security Flood Lighting** *(26 55 53)* | | |
| 26 55 53 11-0001 | | Flood Lights (General Electric Powerflood®) *(26 55 53 11)* | | |
| 26 55 53 11-0002 | | MPF (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle. | | |
| 26 55 53 11-0003 | | High Pressure Sodium MPF Series GE Flood Lights *(26 55 53 11-0002)* | | |
| 26 55 53 11-0004 | EA | 70 Watt High Pressure Sodium MPF Series GE Flood Light | 387.59 | 104.54 |
| 26 55 53 11-0005 | EA | 100 Watt High Pressure Sodium MPF Series GE Flood Light | 391.16 | 104.54 |
| 26 55 53 11-0006 | EA | 150 Watt High Pressure Sodium MPF Series GE Flood Light | 397.11 | 104.54 |
| 26 55 53 11-0007 | | Metal Halide MPF Series GE Flood Lights *(26 55 53 11-0002)* | | |
| 26 55 53 11-0008 | EA | 70 Watt Metal Halide MPF Series GE Flood Light | 529.21 | 104.54 |
| 26 55 53 11-0009 | | P-154 (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting. | | |
| 26 55 53 11-0010 | | High Pressure Sodium P-154 Series GE Flood Lights *(26 55 53 11-0009)* | | |
| 26 55 53 11-0011 | EA | 70 Watt High Pressure Sodium P-154 Series GE Flood Light | 791.70 | 139.39 |
| 26 55 53 11-0012 | EA | 100 Watt High Pressure Sodium P-154 Series GE Flood Light | 796.46 | 139.39 |
| 26 55 53 11-0013 | EA | 150 Watt High Pressure Sodium P-154 Series GE Flood Light | 804.79 | 139.39 |
| 26 55 53 11-0014 | EA | 250 Watt High Pressure Sodium P-154 Series GE Flood Light | 898.81 | 139.39 |
| 26 55 53 11-0015 | EA | 400 Watt High Pressure Sodium P-154 Series GE Flood Light | 926.18 | 139.39 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 55 53 11-0016** | | **Metal Halide P-154 Series GE Flood Lights** *(26 55 53 11-0009)* | | |
| 26 55 53 11-0017 | EA | 175 Watt Metal Halide P-154 Series GE Flood Light | 783.37 | 139.39 |
| 26 55 53 11-0018 | EA | 250 Watt Metal Halide P-154 Series GE Flood Light | 825.03 | 139.39 |
| 26 55 53 11-0019 | EA | 400 Watt Metal Halide P-154 Series GE Flood Light | 846.45 | 139.39 |
| **26 55 53 11-0020** | | **PF-154 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)* | | |
| | | Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting. | | |
| **26 55 53 11-0021** | | **High Pressure Sodium PF-154 Series GE Flood Lights** *(26 55 53 11-0020)* | | |
| 26 55 53 11-0022 | EA | 70 Watt High Pressure Sodium PF-154 Series GE Flood Light | 806.32 | 156.81 |
| 26 55 53 11-0023 | EA | 100 Watt High Pressure Sodium PF-154 Series GE Flood Light | 812.27 | 156.81 |
| 26 55 53 11-0024 | EA | 150 Watt High Pressure Sodium PF-154 Series GE Flood Light | 821.79 | 156.81 |
| 26 55 53 11-0025 | EA | 250 Watt High Pressure Sodium PF-154 Series GE Flood Light | 914.62 | 156.81 |
| 26 55 53 11-0026 | EA | 400 Watt High Pressure Sodium PF-154 Series GE Flood Light | 940.80 | 156.81 |
| **26 55 53 11-0027** | | **Metal Halide PF-154 GE Flood Lights** *(26 55 53 11-0020)* | | |
| 26 55 53 11-0028 | EA | 175 Watt Metal Halide PF-154 Series GE Flood Light | 799.18 | 156.81 |
| 26 55 53 11-0029 | EA | 250 Watt Metal Halide PF-154 Series GE Flood Light | 839.64 | 156.81 |
| 26 55 53 11-0030 | EA | 400 Watt Metal Halide PF-154 Series GE Flood Light | 861.07 | 156.81 |
| **26 55 53 11-0031** | | **PF-400 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)* | | |
| | | Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting. | | |
| **26 55 53 11-0032** | | **High Pressure Sodium PF-400 Series GE Flood Lights** *(26 55 53 11-0031)* | | |
| 26 55 53 11-0033 | EA | 150 Watt High Pressure Sodium PF-400 Series GE Flood Light | 1,087.18 | 156.81 |
| 26 55 53 11-0034 | EA | 200 Watt High Pressure Sodium PF-400 Series GE Flood Light | 1,170.49 | 156.81 |
| 26 55 53 11-0035 | EA | 250 Watt High Pressure Sodium PF-400 Series GE Flood Light | 1,164.54 | 156.81 |
| 26 55 53 11-0036 | EA | 400 Watt High Pressure Sodium PF-400 Series GE Flood Light | 1,194.29 | 156.81 |
| **26 55 53 11-0037** | | **Metal Halide PF-400 GE Flood Lights** *(26 55 53 11-0031)* | | |
| 26 55 53 11-0038 | EA | 175 Watt Metal Halide PF-400 Series GE Flood Light | 1,118.13 | 156.81 |
| 26 55 53 11-0039 | EA | 250 Watt Metal Halide PF-400 Series GE Flood Light | 1,143.12 | 156.81 |
| 26 55 53 11-0040 | EA | 400 Watt Metal Halide PF-400 Series GE Flood Light | 1,169.30 | 156.81 |
| **26 55 53 11-0041** | | **PF-1000 (Large Size) Series GE Flood Lights** *(26 55 53 11-0001)* | | |
| | | Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting. | | |
| **26 55 53 11-0042** | | **High Pressure Sodium PF-1000 Series GE Flood Lights** *(26 55 53 11-0041)* | | |
| 26 55 53 11-0043 | EA | 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light | 1,477.86 | 174.23 |
| 26 55 53 11-0044 | EA | 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light | 1,477.86 | 174.23 |
| **26 55 53 11-0045** | | **Metal Halide PF-1000 Series GE Flood Lights** *(26 55 53 11-0041)* | | |
| 26 55 53 11-0046 | EA | 1,000 Watt Metal Halide PF-1000 Series GE Flood Light | 1,408.84 | 174.23 |
| **26 55 53 11-0047** | | **HLU/VLU (Medium Size) FRP Series GE Flood Lights** *(26 55 53 11-0001)* | | |
| | | Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting. | | |
| **26 55 53 11-0048** | | **High Pressure Sodium HLU/VLU FRP Series GE Flood Lights** *(26 55 53 11-0047)* | | |
| 26 55 53 11-0049 | EA | 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light | 1,201.43 | 156.81 |
| 26 55 53 11-0050 | EA | 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light | 1,224.05 | 156.81 |
| **26 55 53 11-0051** | | **Metal Halide HLU/VLU Series GE Flood Lights** *(26 55 53 11-0047)* | | |
| 26 55 53 11-0052 | EA | 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light | 1,214.53 | 156.81 |
| **26 55 53 11-0053** | | **Accessories For Powerflood GE Flood Lights** *(26 55 53 11-0001)* | | |
| 26 55 53 11-0054 | EA | Wireguard For Powerflood GE Flood Light | 206.55 | 34.84 |
| 26 55 53 11-0055 | EA | Polycarbonate Vandal Shield For Powerflood GE Flood Light | 118.48 | 34.84 |
| 26 55 53 11-0056 | EA | Top Visor For Powerflood Flood Light | 173.23 | 34.84 |
| 26 55 53 11-0057 | EA | Top And Two Side Visors For Powerflood GE Flood Light | 131.58 | 34.84 |
| 26 55 53 11-0058 | EA | Pipe Wall Mounting Bracket For Powerflood GE Flood Light | 330.46 | 104.54 |
| 26 55 53 11-0059 | EA | Multiple Mounting Channel For Powerflood GE Flood Light | 144.67 | 34.84 |
| 26 55 53 11-0060 | EA | Wall Or Flat Surface Bracket For Powerflood GE Flood Light | 241.20 | 104.54 |
| 26 55 53 11-0061 | EA | Steel Angle Bracket For Powerflood GE Flood Light | 251.91 | 104.54 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 53 11-0062 | EA | Cross Arm Adaptor For Powerflood GE Flood Light | 107.77 | 34.84 |
| 26 55 53 11-0063 | EA | 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light | 104.20 | 34.84 |
| 26 55 53 11-0064 | | Flood Lights (Lithonia Contour Series) *(26 55 53 11)* | | |
| 26 55 53 11-0065 | | TFM (Small Size) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle. | | |
| 26 55 53 11-0066 | | High Pressure Sodium TFM Series Lithonia Flood Lights *(26 55 53 11-0065)* | | |
| 26 55 53 11-0067 | EA | 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light | 728.34 | 139.39 |
| 26 55 53 11-0068 | EA | 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light | 797.06 | 139.39 |
| 26 55 53 11-0069 | EA | 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light | 864.35 | 139.39 |
| 26 55 53 11-0070 | | Metal Halide TFM Series Lithonia Flood Lights *(26 55 53 11-0065)* | | |
| 26 55 53 11-0071 | EA | 50 Watt Metal Halide TFM Series Lithonia Flood Light | 948.32 | 139.39 |
| 26 55 53 11-0072 | EA | 70 Watt Metal Halide TFM Series Lithonia Flood Light | 931.78 | 139.39 |
| 26 55 53 11-0073 | EA | 100 Watt Metal Halide TFM Series Lithonia Flood Light | 905.12 | 139.39 |
| 26 55 53 11-0074 | EA | 175 Watt Metal Halide TFM Series Lithonia Flood Light | 903.14 | 139.39 |
| 26 55 53 11-0075 | | Compact Fluorescent TFM Series Lithonia Flood Lights *(26 55 53 11-0065)* | | |
| 26 55 53 11-0076 | EA | 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light | 941.47 | 139.39 |
| 26 55 53 11-0077 | | TFL (Medium Size) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting. | | |
| 26 55 53 11-0078 | | High Pressure Sodium TFL Series Lithonia Flood Lights *(26 55 53 11-0077)* | | |
| 26 55 53 11-0079 | EA | 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light | 1,121.27 | 156.81 |
| 26 55 53 11-0080 | EA | 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light | 1,144.19 | 156.81 |
| 26 55 53 11-0081 | | Metal Halide TFL Series Lithonia Flood Lights *(26 55 53 11-0077)* | | |
| 26 55 53 11-0082 | EA | 175 Watt Metal Halide TFL Series Lithonia Flood Light | 1,069.76 | 156.81 |
| 26 55 53 11-0083 | EA | 250 Watt Metal Halide TFL Series Lithonia Flood Light | 1,069.76 | 156.81 |
| 26 55 53 11-0084 | EA | 400 Watt Metal Halide TFL Series Lithonia Flood Light | 1,105.70 | 156.81 |
| 26 55 53 11-0085 | | TFR (Low Profile) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting. | | |
| 26 55 53 11-0086 | | High Pressure Sodium TFR Lithonia Flood Lights *(26 55 53 11-0085)* | | |
| 26 55 53 11-0087 | EA | 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light | 1,074.99 | 139.39 |
| 26 55 53 11-0088 | EA | 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light | 1,109.29 | 139.39 |
| 26 55 53 11-0089 | EA | 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light | 1,137.95 | 139.39 |
| 26 55 53 11-0090 | | Metal Halide TFR Lithonia Flood Lights *(26 55 53 11-0085)* | | |
| 26 55 53 11-0091 | EA | 250 Watt Metal Halide TFR Series Lithonia Flood Light | 1,063.52 | 139.39 |
| 26 55 53 11-0092 | EA | 400 Watt Metal Halide TFR Series Lithonia Flood Light | 1,097.87 | 139.39 |
| 26 55 53 11-0093 | | TFA (Large Size) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting. | | |
| 26 55 53 11-0094 | | High Pressure Sodium TFA Series Lithonia Flood Lights *(26 55 53 11-0093)* | | |
| 26 55 53 11-0095 | EA | 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light | 2,095.24 | 174.23 |
| 26 55 53 11-0096 | | Metal Halide TFA Series Lithonia Flood Lights *(26 55 53 11-0093)* | | |
| 26 55 53 11-0097 | EA | 400 Watt Metal Halide TFA Series Lithonia Flood Light | 1,608.42 | 174.23 |
| 26 55 53 11-0098 | EA | 1,000 Watt Metal Halide TFA Series Lithonia Flood Light | 1,780.22 | 174.23 |
| 26 55 53 11-0099 | | Accessories For Contour Series Lithonia Flood Lights *(26 55 53 11-0064)* | | |
| 26 55 53 11-0100 | EA | Wireguard For Contour Series Lithonia Flood Light | 177.68 | 34.84 |
| 26 55 53 11-0101 | EA | Vandal Guard For Contour Series Lithonia Flood Light | 346.32 | 34.84 |
| 26 55 53 11-0102 | EA | Upper Visor For Contour Series Lithonia Flood Light | 145.86 | 34.84 |
| 26 55 53 11-0103 | EA | Full Visor For Contour Series Lithonia Flood Light | 197.39 | 34.84 |
| 26 55 53 11-0104 | EA | Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light | 438.12 | 104.54 |
| 26 55 53 11-0105 | EA | Radius Wall Bracket For Contour Series Lithonia Flood Light | 346.93 | 104.54 |
| 26 55 53 11-0106 | EA | Steel Angle Bracket For Contour Series Lithonia Flood Light | 346.93 | 104.54 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 53 11-0107 | EA | U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe | 383.30 | 104.54 |
| 26 55 53 11-0108 | EA | Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light | 169.85 | 34.84 |
| 26 55 53 11-0109 | EA | 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light | 134.91 | 34.84 |
| **26 55 53 11-0110** | | **Flood Lights (Eaton)** *(26 55 53 11)* | | |
| 26 55 53 11-0111 | EA | 6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB) | 1,151.87 | 139.39 |
| | | *For NEMA Photocontrol Option (Eaton OA/RA1016), Add* | *61.61* | |
| | | *For >50 To 100, Deduct* | *-35.77* | |
| | | *For >100 To 250, Deduct* | *-64.56* | |
| | | *For >250 To 500, Deduct* | *-115.19* | |
| | | *For >500, Deduct* | *-165.81* | |
| 26 55 53 11-0112 | EA | 16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016) | 1,434.59 | 153.92 |
| | | *For >50 To 100, Deduct* | *-43.56* | |
| | | *For >100 To 250, Deduct* | *-79.43* | |
| | | *For >250 To 500, Deduct* | *-143.46* | |
| | | *For >500, Deduct* | *-207.49* | |
| **26 55 53 11-0113** | | **Flood Lights (Ruud)** *(26 55 53 11)* | | |
| **26 55 53 11-0114** | | **NS (Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)* | | |
| | | Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle. | | |
| **26 55 53 11-0115** | | **High Pressure Sodium NS Series Ruud Flood Lights** *(26 55 53 11-0114)* | | |
| 26 55 53 11-0116 | EA | 35 Watt High Pressure Sodium NS Series Ruud Flood Light | 478.03 | 104.54 |
| 26 55 53 11-0117 | EA | 50 Watt High Pressure Sodium NS Series Ruud Flood Light | 478.03 | 104.54 |
| 26 55 53 11-0118 | EA | 70 Watt High Pressure Sodium NS Series Ruud Flood Light | 478.03 | 104.54 |
| 26 55 53 11-0119 | EA | 100 Watt High Pressure Sodium NS Series Ruud Flood Light | 478.03 | 104.54 |
| 26 55 53 11-0120 | EA | 150 Watt High Pressure Sodium NS Series Ruud Flood Light | 478.03 | 104.54 |
| **26 55 53 11-0121** | | **Metal Halide NS Series Ruud Flood Lights** *(26 55 53 11-0114)* | | |
| 26 55 53 11-0122 | EA | 50 Watt Metal Halide NS Series Ruud Flood Light | 544.68 | 104.54 |
| 26 55 53 11-0123 | EA | 70 Watt Metal Halide NS Series Ruud Flood Light | 544.68 | 104.54 |
| 26 55 53 11-0124 | EA | 100 Watt Metal Halide NS Series Ruud Flood Light | 544.68 | 104.54 |
| **26 55 53 11-0125** | | **Compact Fluorescent NS Series Ruud Flood Lights** *(26 55 53 11-0114)* | | |
| 26 55 53 11-0126 | EA | 13 Watt Compact Fluorescent NS Series Ruud Flood Light | 409.01 | 104.54 |
| 26 55 53 11-0127 | EA | 26 Watt Compact Fluorescent NS Series Ruud Flood Light | 425.67 | 104.54 |
| 26 55 53 11-0128 | EA | 32 Watt Compact Fluorescent NS Series Ruud Flood Light | 430.43 | 104.54 |
| 26 55 53 11-0129 | EA | 42 Watt Compact Fluorescent NS Series Ruud Flood Light | 435.19 | 104.54 |
| **26 55 53 11-0130** | | **NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)* | | |
| | | Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting. | | |
| **26 55 53 11-0131** | | **High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)* | | |
| 26 55 53 11-0132 | EA | 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light | 737.30 | 156.81 |
| 26 55 53 11-0133 | EA | 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light | 780.14 | 156.81 |
| 26 55 53 11-0134 | EA | 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light | 803.94 | 156.81 |
| **26 55 53 11-0135** | | **Metal Halide NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)* | | |
| 26 55 53 11-0136 | EA | 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light | 727.77 | 156.81 |
| 26 55 53 11-0137 | EA | 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light | 732.54 | 156.81 |
| 26 55 53 11-0138 | EA | 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light | 746.82 | 156.81 |
| **26 55 53 11-0139** | | **Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)* | | |
| 26 55 53 11-0140 | EA | 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light | 711.11 | 156.81 |
| **26 55 53 11-0141** | | **FS (Square) Series Ruud Flood Lights** *(26 55 53 11-0113)* | | |
| | | Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting. | | |
| **26 55 53 11-0142** | | **High Pressure Sodium FS Series Ruud Flood Lights** *(26 55 53 11-0141)* | | |
| 26 55 53 11-0143 | EA | 250 Watt High Pressure Sodium FS Series Ruud Flood Light | 863.45 | 156.81 |
| 26 55 53 11-0144 | EA | 400 Watt High Pressure Sodium FS Series Ruud Flood Light | 868.21 | 156.81 |
| 26 55 53 11-0145 | EA | 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light | 1,479.06 | 174.23 |
| **26 55 53 11-0146** | | **Metal Halide FS Series Ruud Flood Lights** *(26 55 53 11-0141)* | | |
| 26 55 53 11-0147 | EA | 175 Watt Metal Halide FS Series Ruud Flood Light | 863.45 | 156.81 |
| 26 55 53 11-0148 | EA | 250 Watt Metal Halide FS Series Ruud Flood Light | 868.21 | 156.81 |
| 26 55 53 11-0149 | EA | 400 Watt Metal Halide FS Series Ruud Flood Light | 882.49 | 156.81 |
| 26 55 53 11-0150 | EA | 1,000 Watt Metal Halide FS Series Ruud Flood Light | 1,321.96 | 174.23 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 53 11-0151 | | MFS (Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)* | | |
| | | Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting. | | |
| 26 55 53 11-0152 | | High Pressure Sodium MFS Series Ruud Flood Lights *(26 55 53 11-0151)* | | |
| 26 55 53 11-0153 | EA | 35 Watt High Pressure Sodium MFS Series Ruud Flood Light | 676.26 | 139.39 |
| 26 55 53 11-0154 | EA | 50 Watt High Pressure Sodium MFS Series Ruud Flood Light | 726.25 | 139.39 |
| 26 55 53 11-0155 | EA | 70 Watt High Pressure Sodium MFS Series Ruud Flood Light | 726.25 | 139.39 |
| 26 55 53 11-0156 | EA | 100 Watt High Pressure Sodium MFS Series Ruud Flood Light | 726.25 | 139.39 |
| 26 55 53 11-0157 | EA | 150 Watt High Pressure Sodium MFS Series Ruud Flood Light | 726.25 | 139.39 |
| 26 55 53 11-0158 | | Metal Halide MFS Series Ruud Flood Lights *(26 55 53 11-0151)* | | |
| 26 55 53 11-0159 | EA | 50 Watt Metal Halide MFS Series Ruud Flood Light | 742.91 | 139.39 |
| 26 55 53 11-0160 | EA | 70 Watt Metal Halide MFS Series Ruud Flood Light | 742.91 | 139.39 |
| 26 55 53 11-0161 | EA | 100 Watt Metal Halide MFS Series Ruud Flood Light | 742.91 | 139.39 |
| 26 55 53 11-0162 | EA | 175 Watt Metal Halide MFS Series Ruud Flood Light | 716.73 | 139.39 |
| 26 55 53 11-0163 | | MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)* | | |
| | | Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting. | | |
| 26 55 53 11-0164 | | High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)* | | |
| 26 55 53 11-0165 | EA | 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light | 735.77 | 139.39 |
| 26 55 53 11-0166 | EA | 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light | 785.75 | 139.39 |
| 26 55 53 11-0167 | EA | 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light | 785.75 | 139.39 |
| 26 55 53 11-0168 | EA | 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light | 785.75 | 139.39 |
| 26 55 53 11-0169 | EA | 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light | 785.75 | 139.39 |
| 26 55 53 11-0170 | | Metal Halide MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)* | | |
| 26 55 53 11-0171 | EA | 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light | 802.41 | 139.39 |
| 26 55 53 11-0172 | EA | 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light | 802.41 | 139.39 |
| 26 55 53 11-0173 | EA | 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light | 802.41 | 139.39 |
| 26 55 53 11-0174 | EA | 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light | 776.23 | 139.39 |
| 26 55 53 11-0175 | | CF (Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)* | | |
| | | Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting. | | |
| 26 55 53 11-0176 | | High Pressure Sodium CF Series Ruud Flood Lights *(26 55 53 11-0175)* | | |
| 26 55 53 11-0177 | EA | 250 Watt High Pressure Sodium CF Series Ruud Flood Light | 975.32 | 156.81 |
| 26 55 53 11-0178 | EA | 400 Watt High Pressure Sodium CF Series Ruud Flood Light | 999.12 | 156.81 |
| 26 55 53 11-0179 | EA | 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light | 1,538.56 | 174.23 |
| 26 55 53 11-0180 | | Metal Halide CF Series Ruud Flood Lights *(26 55 53 11-0175)* | | |
| 26 55 53 11-0181 | EA | 175 Watt Metal Halide CF Series Ruud Flood Light | 922.95 | 156.81 |
| 26 55 53 11-0182 | EA | 250 Watt Metal Halide CF Series Ruud Flood Light | 927.71 | 156.81 |
| 26 55 53 11-0183 | EA | 400 Watt Metal Halide CF Series Ruud Flood Light | 941.99 | 156.81 |
| 26 55 53 11-0184 | EA | 1,000 Watt Metal Halide CF Series Ruud Flood Light | 1,381.47 | 174.23 |
| 26 55 53 11-0185 | | CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)* | | |
| | | Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting. | | |
| 26 55 53 11-0186 | | High Pressure Sodium CN Series Ruud Flood Lights *(26 55 53 11-0185)* | | |
| 26 55 53 11-0187 | EA | 400 High Pressure Sodium CN Series Ruud Flood Light | 1,262.46 | 174.23 |
| 26 55 53 11-0188 | EA | 1,000 High Pressure Sodium CN Series Ruud Flood Light | 1,510.00 | 174.23 |
| 26 55 53 11-0189 | | Metal Halide CN Series Ruud Flood Lights *(26 55 53 11-0185)* | | |
| 26 55 53 11-0190 | EA | 400 Watt Metal Halide CN Series Ruud Flood Light | 1,205.33 | 174.23 |
| 26 55 53 11-0191 | EA | 1,000 Watt Metal Halide CN Series Ruud Flood Light | 1,352.90 | 174.23 |
| 26 55 53 11-0192 | | PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights *(26 55 53 11-0113)* | | |
| | | Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting. | | |
| 26 55 53 11-0193 | | High Pressure Sodium PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)* | | |
| 26 55 53 11-0194 | EA | 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light | 1,008.64 | 156.81 |
| 26 55 53 11-0195 | EA | 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light | 1,032.44 | 156.81 |
| 26 55 53 11-0196 | | Metal Halide PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)* | | |
| 26 55 53 11-0197 | EA | 175 Watt Metal Halide PM/PN Series Ruud Flood Light | 956.27 | 156.81 |
| 26 55 53 11-0198 | EA | 250 Watt Metal Halide PM/PN Series Ruud Flood Light | 961.03 | 156.81 |
| 26 55 53 11-0199 | EA | 400 Watt Metal Halide PM/PN Series Ruud Flood Light | 975.32 | 156.81 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 53 11-0200 | EA | 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light | 1,414.79 | 174.23 |
| **26 55 53 11-0201** | | **Accessories For Ruud Flood Lighting** *(26 55 53 11-0113)* | | |
| 26 55 53 11-0202 | EA | Wireguard For Rudd Flood Light | 105.39 | 34.84 |
| 26 55 53 11-0203 | EA | Deep Baffle (Full Visor) For Rudd Flood Light | 169.66 | 34.84 |
| 26 55 53 11-0204 | EA | Glare Guard (Upper Visor) For Rudd Flood Light | 122.05 | 34.84 |
| 26 55 53 11-0205 | EA | Vandal Shield For Rudd Flood Light | 145.86 | 34.84 |
| 26 55 53 11-0206 | EA | Pipe Mounting Bracket For Ruud Flood Light | 290.00 | 104.54 |
| 26 55 53 11-0207 | EA | 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light | 91.11 | 34.84 |
| **26 55 53 11-0208** | | **Flood Lights (Lumark)** *(26 55 53 11)* | | |
| **26 55 53 11-0209** | | **QZ Wedge Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)* | | |
| | | Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets. | | |
| 26 55 53 11-0210 | EA | 500 Watt QZ Wedge Series Quartz Lumark Flood Light | 257.75 | 104.54 |
| **26 55 53 11-0211** | | **LQL Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)* | | |
| | | Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets. | | |
| 26 55 53 11-0212 | EA | 1,500 Watt LQL Series Quartz Lumark Flood Light | 327.96 | 104.54 |
| **26 55 53 11-0213** | | **Flood Lights (Kim Lighting)** *(26 55 53 11)* | | |
| **26 55 53 11-0214** | | **MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)* | | |
| | | Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle. | | |
| **26 55 53 11-0215** | | **LED MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0214)* | | |
| 26 55 53 11-0216 | EA | 5 Watt, LED MicroFlood® Series Kim Lighting Flood Light | 557.06 | 44.19 |
| | | *For >50 To 100, Deduct* | *-16.14* | |
| | | *For >100 To 250, Deduct* | *-30.06* | |
| | | *For >250 To 500, Deduct* | *-55.71* | |
| | | *For >500, Deduct* | *-81.35* | |
| 26 55 53 11-0217 | EA | 15 Watt, LED MicroFlood® Series Kim Lighting Flood Light | 689.16 | 44.19 |
| | | *For >50 To 100, Deduct* | *-19.44* | |
| | | *For >100 To 250, Deduct* | *-36.67* | |
| | | *For >250 To 500, Deduct* | *-68.92* | |
| | | *For >500, Deduct* | *-101.16* | |
| **26 55 53 11-0218** | | **Scarab® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)* | | |
| | | Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle. | | |
| **26 55 53 11-0219** | | **LED Scarab® Series Kim Lighting Accent Flood Lights** *(26 55 53 11-0218)* | | |
| | | Note: Spot or narrow style accent flood lights. | | |
| 26 55 53 11-0220 | EA | 6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light | 851.46 | 44.19 |
| | | *For >50 To 100, Deduct* | *-23.50* | |
| | | *For >100 To 250, Deduct* | *-44.78* | |
| | | *For >250 To 500, Deduct* | *-85.15* | |
| | | *For >500, Deduct* | *-125.51* | |
| **26 55 53 11-0221** | | **Flood Lights (CREE® BetaLED®)** *(26 55 53 11)* | | |
| **26 55 53 11-0222** | | **Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)** *(26 55 53 11-0221)* | | |
| | | Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors. | | |
| 26 55 53 11-0223 | EA | 40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304) | 1,297.08 | 125.93 |
| | | *For >50 To 100, Deduct* | *-38.72* | |
| | | *For >100 To 250, Deduct* | *-71.15* | |
| | | *For >250 To 500, Deduct* | *-129.71* | |
| | | *For >500, Deduct* | *-188.27* | |
| 26 55 53 11-0224 | EA | 60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304) | 1,421.70 | 132.93 |
| | | *For >50 To 100, Deduct* | *-42.19* | |
| | | *For >100 To 250, Deduct* | *-77.73* | |
| | | *For >250 To 500, Deduct* | *-142.17* | |
| | | *For >500, Deduct* | *-206.61* | |
| **26 55 53 11-0225** | | **Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)** *(26 55 53 11-0221)* | | |
| | | Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors. | | |
| 26 55 53 11-0226 | EA | 20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG) | 1,124.79 | 118.94 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For >50 To 100, Deduct* | *-34.07* | |
| | | *For >100 To 250, Deduct* | *-62.19* | |
| | | *For >250 To 500, Deduct* | *-112.48* | |
| | | *For >500, Deduct* | *-162.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 53 11-0227 | EA | 40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG) | 1,419.15 | 125.93 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For >50 To 100, Deduct* | *-41.78* | |
| | | *For >100 To 250, Deduct* | *-77.25* | |
| | | *For >250 To 500, Deduct* | *-141.92* | |
| | | *For >500, Deduct* | *-206.58* | |
| 26 55 53 11-0228 | EA | 60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG) | 1,713.52 | 132.93 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For >50 To 100, Deduct* | *-49.48* | |
| | | *For >100 To 250, Deduct* | *-92.32* | |
| | | *For >250 To 500, Deduct* | *-171.35* | |
| | | *For >500, Deduct* | *-250.38* | |
| 26 55 53 11-0229 | EA | 80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG) | 2,120.42 | 139.92 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For >50 To 100, Deduct* | *-60.01* | |
| | | *For >100 To 250, Deduct* | *-113.02* | |
| | | *For >250 To 500, Deduct* | *-212.04* | |
| | | *For >500, Deduct* | *-311.07* | |
| 26 55 53 11-0230 | EA | 100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG) | 2,414.79 | 146.93 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For >50 To 100, Deduct* | *-67.72* | |
| | | *For >100 To 250, Deduct* | *-128.09* | |
| | | *For >250 To 500, Deduct* | *-241.48* | |
| | | *For >500, Deduct* | *-354.87* | |
| 26 55 53 11-0231 | EA | 120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG) | 2,709.15 | 153.92 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For >50 To 100, Deduct* | *-75.42* | |
| | | *For >100 To 250, Deduct* | *-143.15* | |
| | | *For >250 To 500, Deduct* | *-270.92* | |
| | | *For >500, Deduct* | *-398.68* | |
| 26 55 53 11-0232 | EA | 140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG) | 3,093.17 | 160.92 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For >50 To 100, Deduct* | *-85.38* | |
| | | *For >100 To 250, Deduct* | *-162.70* | |
| | | *For >250 To 500, Deduct* | *-309.32* | |
| | | *For >500, Deduct* | *-455.93* | |
| 26 55 53 11-0233 | EA | 160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG) | 3,387.54 | 167.91 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For >50 To 100, Deduct* | *-93.08* | |
| | | *For >100 To 250, Deduct* | *-177.77* | |
| | | *For >250 To 500, Deduct* | *-338.75* | |
| | | *For >500, Deduct* | *-499.74* | |

### 26 55 53 11-0234 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 55 53 11-0235 | EA | 120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO) | 2,596.62 | 153.92 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Bird Spikes, Add* | *50.83* | |
| | | *For 5,000K Color Temperature, Add* | *56.24* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For 1,000mA Driver, Add* | *188.96* | |
| | | *For >50 To 100, Deduct* | *-72.61* | |
| | | *For >100 To 250, Deduct* | *-137.53* | |
| | | *For >250 To 500, Deduct* | *-259.66* | |
| | | *For >500, Deduct* | *-381.80* | |
| 26 55 53 11-0236 | EA | 240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO) | 4,414.48 | 188.90 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For 5,000K Color Temperature, Add* | *56.24* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For Bird Spikes, Add* | *75.59* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For 1,000mA Driver, Add* | *188.96* | |
| | | *For 480 Volt, Add* | *202.45* | |
| | | *For >50 To 100, Deduct* | *-119.81* | |
| | | *For >100 To 250, Deduct* | *-230.17* | |
| | | *For >250 To 500, Deduct* | *-441.45* | |
| | | *For >500, Deduct* | *-652.73* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 53 11-0237 | | Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 55 53 11-0221)* | | |
| | | Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors. | | |
| 26 55 53 11-0238 | EA | 112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) | 1,512.46 | 153.92 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Front Facing Optics, Back Light Shield, Add* | *39.00* | |
| | | *For Rotated Optics, Back Light Shield, Add* | *39.00* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-45.51* | |
| | | *For >100 To 250, Deduct* | *-83.32* | |
| | | *For >250 To 500, Deduct* | *-151.25* | |
| | | *For >500, Deduct* | *-219.17* | |
| 26 55 53 11-0239 | EA | 168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) | 1,618.75 | 153.92 |
| | | Note: Type III, IV or V medium optics only. | | |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Front Facing Optics, Back Light Shield, Add* | *39.00* | |
| | | *For Rotated Optics, Back Light Shield, Add* | *39.00* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For Type II Medium Or Type V Short Optics, Add* | *329.00* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-48.16* | |
| | | *For >100 To 250, Deduct* | *-88.63* | |
| | | *For >250 To 500, Deduct* | *-161.88* | |
| | | *For >500, Deduct* | *-235.12* | |
| 26 55 53 11-0240 | EA | 223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) | 2,078.45 | 188.90 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Front Facing Optics, Back Light Shield, Add* | *47.23* | |
| | | *For Rotated Optics, Back Light Shield, Add* | *47.23* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-61.41* | |
| | | *For >100 To 250, Deduct* | *-113.37* | |
| | | *For >250 To 500, Deduct* | *-207.85* | |
| | | *For >500, Deduct* | *-302.32* | |
| 26 55 53 11-0241 | | Flood Lights (PlanLED) *(26 55 53 11)* | | |
| 26 55 53 11-0242 | | Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 55 53 11-0241)* | | |
| 26 55 53 11-0243 | EA | 6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050) | 678.32 | 125.93 |
| | | *For >50 To 100, Deduct* | *-23.25* | |
| | | *For >100 To 250, Deduct* | *-40.21* | |
| | | *For >250 To 500, Deduct* | *-67.83* | |
| | | *For >500, Deduct* | *-95.45* | |
| 26 55 53 11-0244 | EA | 9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075) | 812.60 | 132.93 |
| | | *For >50 To 100, Deduct* | *-26.96* | |
| | | *For >100 To 250, Deduct* | *-47.28* | |
| | | *For >250 To 500, Deduct* | *-81.26* | |
| | | *For >500, Deduct* | *-115.24* | |
| 26 55 53 11-0245 | EA | 12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100) | 938.56 | 143.42 |
| | | *For >50 To 100, Deduct* | *-30.64* | |
| | | *For >100 To 250, Deduct* | *-54.10* | |
| | | *For >250 To 500, Deduct* | *-93.86* | |
| | | *For >500, Deduct* | *-133.61* | |
| 26 55 53 11-0246 | | Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 55 53 11-0241)* | | |
| 26 55 53 11-0247 | EA | 21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200) | 1,904.68 | 279.85 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For >50 To 100, Deduct* | *-61.61* | |
| | | *For >100 To 250, Deduct* | *-109.23* | |
| | | *For >250 To 500, Deduct* | *-190.47* | |
| | | *For >500, Deduct* | *-271.71* | |
| 26 55 53 11-0248 | EA | 42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400) | 2,965.34 | 279.85 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For >50 To 100, Deduct* | *-88.13* | |
| | | *For >100 To 250, Deduct* | *-162.26* | |
| | | *For >250 To 500, Deduct* | *-296.53* | |
| | | *For >500, Deduct* | *-430.81* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 53 11-0249 | EA | 84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800) | 5,248.51 | 279.85 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For >50 To 100, Deduct* | *-145.21* | |
| | | *For >100 To 250, Deduct* | *-276.42* | |
| | | *For >250 To 500, Deduct* | *-524.85* | |
| | | *For >500, Deduct* | *-773.28* | |

### 26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 55 53 11-0241)*

| | | | | |
|---|---|---|---|---|
| 26 55 53 11-0251 | EA | 26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200) | 1,691.28 | 181.90 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For 480 Volt, Add* | *142.15* | |
| | | *For >50 To 100, Deduct* | *-51.38* | |
| | | *For >100 To 250, Deduct* | *-93.66* | |
| | | *For >250 To 500, Deduct* | *-169.13* | |
| | | *For >500, Deduct* | *-244.60* | |
| 26 55 53 11-0252 | EA | 39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300) | 2,168.90 | 188.90 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For 480 Volt, Add* | *114.92* | |
| | | *For >50 To 100, Deduct* | *-63.67* | |
| | | *For >100 To 250, Deduct* | *-117.89* | |
| | | *For >250 To 500, Deduct* | *-216.89* | |
| | | *For >500, Deduct* | *-315.89* | |
| 26 55 53 11-0253 | EA | 52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400) | 2,771.18 | 195.90 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For 480 Volt, Add* | *93.24* | |
| | | *For >50 To 100, Deduct* | *-79.07* | |
| | | *For >100 To 250, Deduct* | *-148.35* | |
| | | *For >250 To 500, Deduct* | *-277.12* | |
| | | *For >500, Deduct* | *-405.88* | |

## 26 55 53 12 Security Hazardous Location Flood Lights *(26 55 53)*

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

### 26 55 53 12-0001 Lithonia Hazardous Location Flood Lights *(26 55 53 12)*

### 26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

### 26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 55 53 12-0002)*

| | | | | |
|---|---|---|---|---|
| 26 55 53 12-0004 | EA | 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,064.97 | 139.39 |
| 26 55 53 12-0005 | EA | 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,138.76 | 139.39 |
| 26 55 53 12-0006 | EA | 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,067.35 | 139.39 |

### 26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0002)*

| | | | | |
|---|---|---|---|---|
| 26 55 53 12-0008 | EA | 250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,130.88 | 139.39 |
| 26 55 53 12-0009 | EA | 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,095.92 | 139.39 |

### 26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

### 26 55 53 12-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*

| | | | | |
|---|---|---|---|---|
| 26 55 53 12-0012 | EA | 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,014.25 | 139.39 |
| 26 55 53 12-0013 | EA | 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,058.29 | 139.39 |

### 26 55 53 12-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*

| | | | | |
|---|---|---|---|---|
| 26 55 53 12-0015 | EA | 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 895.24 | 139.39 |

### 26 55 53 12-0016 HFA (Large) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

### 26 55 53 12-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*

| | | | | |
|---|---|---|---|---|
| 26 55 53 12-0018 | EA | 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,436.21 | 174.23 |
| 26 55 53 12-0019 | EA | 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,457.63 | 174.23 |

### 26 55 53 12-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 53 12-0021 | EA | 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,429.07 | 174.23 |
| 26 55 53 12-0022 | EA | 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,457.63 | 174.23 |
| 26 55 53 12-0023 | | HFL (Medium) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting. | | |
| 26 55 53 12-0024 | | High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)* | | |
| 26 55 53 12-0025 | EA | 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,063.38 | 156.81 |
| 26 55 53 12-0026 | | Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)* | | |
| 26 55 53 12-0027 | EA | 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light | 1,146.69 | 156.81 |
| 26 55 53 12-0028 | | Accessories For Lithonia Hazardous Location Flood Lights *(26 55 53 12-0001)* See CSI section 26 55 53 11-0099 for accessories. | | |
| **26 55 53 13** | | **Security High Performance Flood Lights** *(26 55 53)* Note: For airport aprons and parking areas. | | |
| 26 55 53 13-0001 | | Lithonia High Performance Flood Lights *(26 55 53 13)* | | |
| 26 55 53 13-0002 | | 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0001)* Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens. | | |
| 26 55 53 13-0003 | | High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)* | | |
| 26 55 53 13-0004 | EA | 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light | 2,486.55 | 209.07 |
| 26 55 53 13-0005 | EA | 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light | 2,681.73 | 209.07 |
| 26 55 53 13-0006 | EA | 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light | 2,691.25 | 209.07 |
| 26 55 53 13-0007 | EA | 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light | 2,988.78 | 209.07 |
| 26 55 53 13-0008 | | Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)* | | |
| 26 55 53 13-0009 | EA | 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light | 2,865.01 | 209.07 |
| 26 55 53 13-0010 | EA | 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light | 2,733.02 | 209.07 |
| 26 55 53 13-0011 | EA | 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light | 2,607.94 | 209.07 |
| 26 55 53 13-0012 | EA | 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light | 2,731.71 | 209.07 |
| 26 55 53 13-0013 | | Accessories For Lithonia High Performance Flood Lights *(26 55 53 13-0002)* See CSI section 26 55 53 11-0099 for accessories. | | |
| **26 55 61** | | **Theatrical Lighting** *(26 55)* | | |
| 26 55 61 00-0001 | | Stage Lighting *(26 55 61)* | | |
| 26 55 61 00-0002 | EA | Ellipsoidal Spotlight, Two 6" x 9" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp. | 665.56 | 153.18 |
| 26 55 61 00-0003 | EA | Ellipsoidal Spotlight, Two 6" x 12" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp. | 665.56 | 153.18 |
| 26 55 61 00-0004 | EA | Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp. | 665.56 | 153.18 |
| 26 55 61 00-0005 | EA | 14" Scoop Floodlight Altman #SC14 | 686.98 | 153.18 |
| 26 55 61 00-0006 | EA | 6" Diameter Fresnel Spotlight, Spherical Specular Alzak1 Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp. | 542.09 | 153.18 |
| 26 55 61 00-0007 | EA | 8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp. | 887.77 | 153.18 |
| 26 55 61 00-0008 | EA | Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand. | 2,327.64 | 153.18 |
| 26 55 61 00-0009 | EA | Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand. | 2,804.39 | 153.18 |
| 26 55 61 00-0010 | EA | 300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector. | 494.11 | 153.18 |
| 26 55 61 00-0011 | EA | 6' Length, Multi-Lamp Compartmented Striplighting Luminaire Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish. | 1,773.05 | 153.18 |
| 26 55 61 00-0012 | EA | 1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S) | 3,022.42 | 153.18 |
| **26 55 63** | | **Detention Lighting** *(26 55)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 63 00-0001 | | **Maximum Security Recessed Luminaire** *(26 55 63)*<br>Note: Failsafe - FMR series. | | |
| 26 55 63 00-0002 | EA | 12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,244.07 | 41.46 |
| 26 55 63 00-0003 | EA | 12" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,365.20 | 41.46 |
| 26 55 63 00-0004 | EA | 24" x 24", Two 17 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,196.11 | 49.76 |
| 26 55 63 00-0005 | EA | 24" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,632.68 | 58.05 |
| 26 55 63 00-0006 | EA | 24" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,632.68 | 58.05 |
| 26 55 63 00-0007 | EA | 24" x 48", Four 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,632.68 | 58.05 |
| 26 55 63 00-0008 | EA | 12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,244.07 | 41.46 |
| 26 55 63 00-0009 | EA | 12" x 48", Three 32 Watt, Lamps,16 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,425.77 | 41.46 |
| 26 55 63 00-0010 | EA | 24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side. | 1,256.68 | 49.77 |
| 26 55 63 00-0011 | EA | 24" x 48", Two 32 Watt, Lamps,16 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side. | 1,450.99 | 58.05 |
| 26 55 63 00-0012 | EA | 24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side. | 1,450.99 | 58.05 |
| 26 55 63 00-0013 | EA | 24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side. | 1,450.99 | 58.05 |
| 26 55 63 00-0014 | EA | 12" x 48", Two 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,092.65 | 41.46 |
| 26 55 63 00-0015 | EA | 12" x 48", Three 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,092.65 | 41.46 |
| 26 55 63 00-0016 | EA | 24" x 24", Two 17 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,317.24 | 49.76 |
| 26 55 63 00-0017 | EA | 24" x 48", Two 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,572.12 | 58.05 |
| 26 55 63 00-0018 | EA | 24" x 48", Three 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,584.23 | 58.05 |
| 26 55 63 00-0019 | EA | 24" x 48", Four 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate. | 1,584.23 | 58.05 |
| 26 55 63 00-0020 | | **Maximum Security Surface Luminaire** *(26 55 63)*<br>Note: Failsafe - FMR series. | | |
| 26 55 63 00-0021 | EA | 12" x 24", Two 32 Watt, Lamps,12 Gauge, Maximum Security Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side. | 1,122.93 | 41.46 |
| 26 55 63 00-0022 | EA | 12" x 24", Three 32 Watt, Lamps,12 Gauge, Maximum Security Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side. | 1,395.48 | 41.46 |
| 26 55 63 00-0023 | EA | 12" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side. | 1,062.37 | 41.46 |
| 26 55 63 00-0024 | EA | 12" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side. | 1,062.37 | 41.46 |
| 26 55 63 00-0025 | EA | 19" x 24", Two 17 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side. | 1,044.70 | 49.76 |
| 26 55 63 00-0026 | EA | 19" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side. | 1,293.26 | 53.90 |
| 26 55 63 00-0027 | EA | 19" x 48", Three 32 Watt, Lamps,14 Gauge, Ultimax Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side. | 1,323.54 | 53.90 |
| 26 55 63 00-0028 | EA | 16" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side. | 1,323.54 | 53.90 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 63 00-0029 | | **Ultimax Surface Luminaire** *(26 55 63)*<br>Note: Failsafe - FMR series. | | |
| 26 55 63 00-0030 | EA | 12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens. | 1,037.27 | 41.46 |
| 26 55 63 00-0031 | EA | 12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens. | 1,345.10 | 41.46 |
| 26 55 63 00-0032 | EA | 24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens. | 1,153.19 | 49.76 |
| 26 55 63 00-0033 | EA | 24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens. | 1,183.62 | 58.05 |
| 26 55 63 00-0034 | EA | 24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens. | 1,188.62 | 58.05 |
| 26 55 63 00-0035 | EA | 24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire<br>Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens. | 1,193.62 | 58.05 |
| 26 55 63 00-0036 | | **Maximum Security Wall Luminaire** *(26 55 63)*<br>Note: Failsafe - FMR series. | | |
| 26 55 63 00-0037 | EA | 10.5" x 48", Two 32 Watt Lamps, 14 Gauge, Maximum Security Wall Luminaire<br>Note: 1 up, 1 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side. | 1,365.20 | 41.60 |
| 26 55 63 00-0038 | EA | 10.5" x 48", Three 32 Watt, T8 Lamps, 14 Gauge, Maximum Security Wall Luminaire<br>Note: 1 up, 2 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side. | 1,365.20 | 41.60 |
| 26 55 63 00-0039 | EA | 10.5" x 48", Four 32 Watt, T8 Lamps, 14 Gauge, Maximum Security Wall Luminaire<br>Note: 2 up, 2 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side. | 1,365.20 | 41.60 |
| **26 55 68** | | **Athletic Field Lighting** *(26 55)* | | |
| 26 55 68 00-0001 | | **Sports Lighting System** *(26 55 68)*<br>Note: Musco. | | |
| 26 55 68 00-0002 | | **Round Steel Tapered Poles** *(26 55 68 00-0001)*<br>Note: With Internal wiring harness. | | |
| 26 55 68 00-0003 | EA | 20' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 4,194.59 | 669.05 |
| 26 55 68 00-0004 | EA | 25' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 5,046.87 | 808.43 |
| 26 55 68 00-0005 | EA | 30' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 5,693.17 | 878.13 |
| 26 55 68 00-0006 | EA | 35' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 6,232.77 | 912.97 |
| 26 55 68 00-0007 | EA | 40' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 7,849.12 | 947.81 |
| 26 55 68 00-0008 | EA | 45' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 8,997.52 | 1,156.90 |
| 26 55 68 00-0009 | EA | 50' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 9,671.61 | 1,226.58 |
| 26 55 68 00-0010 | EA | 55' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 10,986.41 | 1,393.85 |
| 26 55 68 00-0011 | EA | 60' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 12,475.56 | 1,568.08 |
| 26 55 68 00-0012 | EA | 65' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 13,813.16 | 1,737.83 |
| 26 55 68 00-0013 | EA | 70' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 15,059.74 | 1,942.28 |
| 26 55 68 00-0014 | EA | 75' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 16,410.13 | 2,180.81 |
| 26 55 68 00-0015 | EA | 80' Steel Tapered Pole With Precast Concrete Foundation Sleeve | 18,383.30 | 2,623.78 |
| 26 55 68 00-0016 | | **Steel Pole Brackets** *(26 55 68 00-0001)* | | |
| 26 55 68 00-0017 | EA | Two Light Bracket | 709.09 | 69.69 |
| 26 55 68 00-0018 | EA | Three Light Bracket | 890.67 | 97.57 |
| 26 55 68 00-0019 | EA | Four Light Bracket | 1,289.41 | 118.48 |
| 26 55 68 00-0020 | EA | Five Light Bracket | 1,466.79 | 139.39 |
| 26 55 68 00-0021 | EA | Six Light Bracket | 1,781.15 | 160.29 |
| 26 55 68 00-0022 | EA | Seven Light Bracket | 2,039.58 | 181.20 |
| 26 55 68 00-0023 | EA | Eight Light Bracket | 2,333.08 | 209.07 |
| 26 55 68 00-0024 | EA | Nine Light Bracket | 2,637.19 | 229.99 |
| 26 55 68 00-0025 | | **Light Fixtures** *(26 55 68 00-0001)* | | |
| 26 55 68 00-0026 | EA | 120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug | 1,428.39 | |
| | | *For 1,500 Watt Metal Halide Lamp, Add* | *15.61* | |
| 26 55 68 00-0027 | | **Electrical Component Enclosure** *(26 55 68 00-0001)*<br>Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures. | | |
| 26 55 68 00-0028 | EA | Electrical Component Enclosure For 2 Lights, Pole Mounted | 1,046.57 | 81.94 |
| 26 55 68 00-0029 | EA | Electrical Component Enclosure For 3 Lights, Pole Mounted | 1,570.28 | 126.07 |
| 26 55 68 00-0030 | EA | Electrical Component Enclosure For 4 Lights, Pole Mounted | 1,801.86 | 157.58 |
| 26 55 68 00-0031 | EA | Electrical Component Enclosure For 5 Lights, Pole Mounted | 2,330.20 | 176.50 |
| 26 55 68 00-0032 | EA | Electrical Component Enclosure For 6 Lights, Pole Mounted | 2,620.64 | 189.10 |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 55 68 00-0033** | | **Accessories** *(26 55 68 00-0001)* | | |
| 26 55 68 00-0034 | EA | Time Delay Kit (Musco®) | 1,055.99 | 252.53 |
| 26 55 68 00-0035 | EA | Remote Switch Box Push Button (Musco®) | 2,157.85 | 252.53 |
| 26 55 68 00-0036 | EA | Push Button Strobe Kit (Musco®) | 2,598.59 | 252.53 |
| 26 55 68 00-0037 | EA | Additional Control-Link Unit (Musco®) | 12,533.76 | 757.60 |
| 26 55 68 00-0038 | EA | Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®) | 1,354.00 | 126.07 |
| 26 55 68 00-0039 | EA | Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®) | 1,606.13 | 252.14 |
| **26 55 70** | | **Healthcare Lighting** *(26 55)* | | |
| **26 55 70 00-0001** | | **Surgical Lighting Fixtures** *(26 55 70)* | | |
| 26 55 70 00-0002 | EA | Surgical Lighting Fixture, 120 Volt, Max Va 126, 100 Volt Halogen | 6,093.96 | |
| 26 55 70 00-0003 | EA | Install Owner Furnished Surgical Lights | 739.41 | |
| **26 55 70 00-0004** | | **Patient Care Fluorescent Fixtures** *(26 55 70)* | | |
| **26 55 70 00-0005** | | **Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe)** *(26 55 70 00-0004)* | | |
| | | Note: Includes ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast. | | |
| 26 55 70 00-0006 | EA | 2' x 2', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE) | 1,508.71 | 57.99 |
| 26 55 70 00-0007 | EA | 2' x 4', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE) | 1,665.67 | 57.99 |
| 26 55 70 00-0008 | EA | 2' x 4', 2 Biax Ambient Lamps, 4 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR2) | 1,354.18 | 57.99 |
| **26 55 70 00-0009** | | **Reading, Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe)** *(26 55 70 00-0004)* | | |
| | | Note: Includes reading, ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast. | | |
| 26 55 70 00-0010 | EA | 2' x 4', 1 Biax Reading Lamp, 2 Biax Ambient Lamps, 3 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR) | 1,496.87 | 57.99 |
| **26 55 70 00-0011** | | **Multi-Function Patient Care Fluorescent Fixtures (Day-Brite MPC)** *(26 55 70 00-0004)* | | |
| | | Note: Includes reading, ambient, exam and nurses light, steel housing with baked enamel finish, acrylic diffuser and electronic ballasts. | | |
| 26 55 70 00-0012 | EA | 2' x 4', 6 40W T5 Lamps, Multi-Function Patient Care Fluorescent Fixture (Day-Brite MPC) | 2,272.58 | 57.99 |
| **26 55 70 00-0013** | | **Patient Room Lighting Fixtures** *(26 55 70)* | | |
| 26 55 70 00-0014 | EA | Hill-Rom Integris Patient Room Light | 1,070.65 | 50.43 |
| **26 55 70 00-0015** | | **Exam And Surgical Lighting Fixtures** *(26 55 70)* | | |
| 26 55 70 00-0016 | EA | Dual Intensity, K-arm, Ceiling Mounted, Exam Light (Burton PHL-NXC) | 972.06 | 63.03 |
| 26 55 70 00-0017 | EA | Ceiling Mounted, Spot Exam Light (Sunnex SNX-HM2017-44EXT) | 1,685.07 | 63.03 |
| 26 55 70 00-0018 | EA | Ceiling Mounted, LED Exam Light (Bovie BOV-XLDP-SC) | 3,713.53 | 63.03 |
| 26 55 70 00-0019 | EA | Two LED Series, Ceiling Mounted, Surgical Light With Monitor And Monitor Arm (Bovie BOV-XLDS-S2MA) | 18,021.52 | 84.09 |
| 26 55 70 00-0020 | EA | Two LED Series, Triple Ceiling Mounted, Surgical Light With Monitor And Monitor Arm (Bovie BOV-XLDS-S23MA) | 26,037.57 | 126.07 |
| 26 55 70 00-0021 | EA | Double Ceiling Mounted, Dual Spot Exam Lights (Burton PHL-CS316DC) | 6,037.65 | 84.09 |
| 26 55 70 00-0022 | EA | Double Ceiling Mounted, Dual Y Shape Lamp Heads (Burton PHL-A50DC) | 6,484.47 | 84.09 |
| 26 55 70 00-0023 | EA | Double Ceiling Mounted, Halogen Bulbs (Burton PHL-OP216DC) | 5,477.93 | 84.09 |
| 26 55 70 00-0024 | EA | 360 Degree Rotation, 120 Volt, Double Ceiling Mounted, Surgical Light (Burton PHL-A100DC) | 7,659.04 | 126.07 |
| 26 55 70 00-0025 | EA | Double Ceiling Mounted, Spot Examination Lights (Burton PHL-CS316DT) | 8,412.61 | 84.09 |
| 26 55 70 00-0026 | EA | Double Ceiling Mounted, Y Shaped Examination Light (Burton PHL-OP216DT) | 7,936.84 | 84.09 |
| 26 55 70 00-0027 | EA | Double Ceiling Mounted, Examination/Spot Combination Light (Burton PHL-OC516CC) | 5,769.02 | 100.85 |
| 26 55 70 00-0028 | EA | Double Ceiling Mounted, LED Procedure Light (Bovie BOV-XLDP-DC) | 7,644.25 | 84.09 |
| 26 55 70 00-0029 | EA | Double Ceiling Mounted, LED Examination Light (Burton PHL-ALEDDC) | 6,990.28 | 126.07 |
| 26 55 70 00-0030 | EA | Two Monitor Arm, Ceiling Mounted, Exam Light (Bovie BOV-XLDS-MA) | 7,979.72 | 84.09 |
| 26 55 70 00-0031 | EA | 360 Degree Rotation, 120 Volt, Single Ceiling Mounted Surgical Light (Burton PHL-A100SC) | 4,285.37 | 71.98 |
| | | *For Extension Shaft Assembly For Single Ceiling Lamp AIM Series (Burton 6000218)* | *433.73* | |
| 26 55 70 00-0032 | EA | 360 Degree Rotation, Autoclavable Handle, Ceiling Mounted Surgical Light (Burton PHL-APXSC8) | 12,640.64 | 71.98 |
| 26 55 70 00-0033 | EA | Ceiling Mounted Surgical Light (Burton PHL-A200SC) | 6,274.31 | 71.98 |
| 26 55 70 00-0034 | EA | MRI Compatible, Ceiling Mounted Surgical Light (Sunnex SNX-CS2050C-MRI) | 6,233.51 | 71.98 |
| 26 55 70 00-0035 | EA | Ceiling Mounted LED Surgical Light (Bovie BOV-XLD-SC) | 4,808.46 | 71.98 |
| 26 55 70 00-0036 | EA | Ceiling Mounted LED Surgical Light With Battery Pack (Bovie BOV-XLD-SCB) | 7,159.71 | 71.98 |
| 26 55 70 00-0037 | EA | Ceiling Mounted Two LED Series Surgical Light (Bovie BOV-XLDS-S2) | 11,094.56 | 71.98 |
| 26 55 70 00-0038 | EA | Dual Ceiling Mounted LED Series Surgical Light And HD Video Camera Arm (Bovie BOV-XLDS-S2VC) | 20,183.71 | 71.98 |
| 26 55 70 00-0039 | EA | Medical Illumination, Single Trolley Shuttle Track, Ceiling Mounted Surgical Light (Medical Illumination MII-64011) | 2,870.98 | 71.98 |
| 26 55 70 00-0040 | EA | Double Ceiling Mounted, Surgical Light (Burton PHL-A200DC) | 11,263.46 | 126.07 |
| 26 55 70 00-0041 | EA | Double Ceiling Mounted, Surgical Light (Burton PHL-APXDC8) | 24,621.48 | 126.07 |
| 26 55 70 00-0042 | EA | Double Ceiling Mounted, LED Surgical Light (Bovie BOV-XLD-DC) | 9,178.01 | 126.07 |
| 26 55 70 00-0043 | EA | Double Ceiling Mounted, Autoclavable Handle, LED Surgical Light (Sunnex SNX-CSLED-D) | 6,655.06 | 126.07 |
| 26 55 70 00-0044 | EA | Triple Ceiling Mounted, LED Series Surgical Light (Bovie BOV-XLDS-S23) | 28,943.61 | 144.10 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 55 70 00-0045 | EA | Triple Ceiling Mounted, LED Series Surgical Light And Monitor Arm (Bovie BOV-XLDS-S23MA) | 26,109.55 | 144.10 |

# 26 56 Exterior Lighting *(26 50)*

## 26 56 13 Lighting Poles and Standards *(26 56)*

### 26 56 13 00-0001 Poles And Standards *(26 56 13)*

See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.

### 26 56 13 00-0002 Roadway Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

### 26 56 13 00-0003 Steel Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

### 26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*

### 26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*

### 26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0007 | EA | 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base | 2,699.56 | 418.16 |
| | | *For Galvanized Finish, Add* | *55.90* | |
| | | *For >10 To 20, Deduct* | *-67.49* | |
| | | *For >20 To 40, Deduct* | *-134.98* | |
| | | *For >40, Deduct* | *-223.37* | |
| 26 56 13 00-0008 | EA | 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base | 2,704.16 | 418.16 |
| | | *For Galvanized Finish, Add* | *56.04* | |
| | | *For >10 To 20, Deduct* | *-67.60* | |
| | | *For >20 To 40, Deduct* | *-135.21* | |
| | | *For >40, Deduct* | *-223.72* | |
| 26 56 13 00-0009 | EA | 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base | 3,010.22 | 557.54 |
| | | *For Galvanized Finish, Add* | *56.85* | |
| | | *For >10 To 20, Deduct* | *-75.26* | |
| | | *For >20 To 40, Deduct* | *-150.51* | |
| | | *For >40, Deduct* | *-253.64* | |
| 26 56 13 00-0010 | EA | 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base | 3,065.60 | 557.54 |
| | | *For Galvanized Finish, Add* | *58.52* | |
| | | *For >10 To 20, Deduct* | *-76.64* | |
| | | *For >20 To 40, Deduct* | *-153.28* | |
| | | *For >40, Deduct* | *-257.80* | |
| 26 56 13 00-0011 | EA | 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base | 3,120.97 | 557.54 |
| | | *For Galvanized Finish, Add* | *60.18* | |
| | | *For >10 To 20, Deduct* | *-78.02* | |
| | | *For >20 To 40, Deduct* | *-156.05* | |
| | | *For >40, Deduct* | *-261.95* | |
| 26 56 13 00-0012 | EA | 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base | 3,272.01 | 627.23 |
| | | *For Galvanized Finish, Add* | *60.53* | |
| | | *For >10 To 20, Deduct* | *-81.80* | |
| | | *For >20 To 40, Deduct* | *-163.60* | |
| | | *For >40, Deduct* | *-276.76* | |
| 26 56 13 00-0013 | EA | 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base | 3,298.27 | 627.23 |
| | | *For Galvanized Finish, Add* | *61.31* | |
| | | *For >10 To 20, Deduct* | *-82.46* | |
| | | *For >20 To 40, Deduct* | *-164.91* | |
| | | *For >40, Deduct* | *-278.73* | |
| 26 56 13 00-0014 | EA | 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base | 3,303.27 | 627.23 |
| | | *For Galvanized Finish, Add* | *61.46* | |
| | | *For >10 To 20, Deduct* | *-82.58* | |
| | | *For >20 To 40, Deduct* | *-165.16* | |
| | | *For >40, Deduct* | *-279.11* | |
| 26 56 13 00-0015 | EA | 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base | 3,466.19 | 662.07 |
| | | *For Galvanized Finish, Add* | *64.26* | |
| | | *For >10 To 20, Deduct* | *-86.65* | |
| | | *For >20 To 40, Deduct* | *-173.31* | |
| | | *For >40, Deduct* | *-293.07* | |
| 26 56 13 00-0016 | EA | 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base | 3,486.02 | 662.07 |
| | | *For Galvanized Finish, Add* | *64.86* | |
| | | *For >10 To 20, Deduct* | *-87.15* | |
| | | *For >20 To 40, Deduct* | *-174.30* | |
| | | *For >40, Deduct* | *-294.56* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0017 | EA | 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base | 3,507.68 | 662.07 |
| | | *For Galvanized Finish, Add* | *65.51* | |
| | | *For >10 To 20, Deduct* | *-87.69* | |
| | | *For >20 To 40, Deduct* | *-175.38* | |
| | | *For >40, Deduct* | *-296.18* | |
| 26 56 13 00-0018 | EA | 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base | 3,965.32 | 696.93 |
| | | *For Galvanized Finish, Add* | *77.14* | |
| | | *For >10 To 20, Deduct* | *-99.13* | |
| | | *For >20 To 40, Deduct* | *-198.27* | |
| | | *For >40, Deduct* | *-332.25* | |
| 26 56 13 00-0019 | EA | 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base | 3,972.38 | 696.93 |
| | | *For Galvanized Finish, Add* | *77.36* | |
| | | *For >10 To 20, Deduct* | *-99.31* | |
| | | *For >20 To 40, Deduct* | *-198.62* | |
| | | *For >40, Deduct* | *-332.77* | |
| 26 56 13 00-0020 | EA | 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base | 3,979.36 | 696.93 |
| | | *For Galvanized Finish, Add* | *77.57* | |
| | | *For >10 To 20, Deduct* | *-99.48* | |
| | | *For >20 To 40, Deduct* | *-198.97* | |
| | | *For >40, Deduct* | *-333.30* | |

## 26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0005)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0022 | EA | 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base | 3,341.53 | 487.84 |
| | | *For Galvanized Finish, Add* | *70.97* | |
| | | *For >10 To 20, Deduct* | *-83.54* | |
| | | *For >20 To 40, Deduct* | *-167.08* | |
| | | *For >40, Deduct* | *-275.01* | |
| 26 56 13 00-0023 | EA | 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base | 3,405.96 | 505.27 |
| | | *For Galvanized Finish, Add* | *71.86* | |
| | | *For >10 To 20, Deduct* | *-85.15* | |
| | | *For >20 To 40, Deduct* | *-170.30* | |
| | | *For >40, Deduct* | *-280.71* | |
| 26 56 13 00-0024 | EA | 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base | 3,463.11 | 522.70 |
| | | *For Galvanized Finish, Add* | *72.53* | |
| | | *For >10 To 20, Deduct* | *-86.58* | |
| | | *For >20 To 40, Deduct* | *-173.16* | |
| | | *For >40, Deduct* | *-285.87* | |
| 26 56 13 00-0025 | EA | 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base | 3,428.46 | 627.23 |
| | | *For Galvanized Finish, Add* | *65.22* | |
| | | *For >10 To 20, Deduct* | *-85.71* | |
| | | *For >20 To 40, Deduct* | *-171.42* | |
| | | *For >40, Deduct* | *-288.50* | |
| 26 56 13 00-0026 | EA | 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base | 3,475.05 | 644.65 |
| | | *For Galvanized Finish, Add* | *65.57* | |
| | | *For >10 To 20, Deduct* | *-86.88* | |
| | | *For >20 To 40, Deduct* | *-173.75* | |
| | | *For >40, Deduct* | *-292.86* | |
| 26 56 13 00-0027 | EA | 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base | 3,514.66 | 662.07 |
| | | *For Galvanized Finish, Add* | *65.72* | |
| | | *For >10 To 20, Deduct* | *-87.87* | |
| | | *For >20 To 40, Deduct* | *-175.73* | |
| | | *For >40, Deduct* | *-296.70* | |
| 26 56 13 00-0028 | EA | 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base | 3,712.87 | 696.93 |
| | | *For Galvanized Finish, Add* | *69.57* | |
| | | *For >10 To 20, Deduct* | *-92.82* | |
| | | *For >20 To 40, Deduct* | *-185.64* | |
| | | *For >40, Deduct* | *-313.31* | |
| 26 56 13 00-0029 | EA | 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base | 3,754.86 | 714.35 |
| | | *For Galvanized Finish, Add* | *69.78* | |
| | | *For >10 To 20, Deduct* | *-93.87* | |
| | | *For >20 To 40, Deduct* | *-187.74* | |
| | | *For >40, Deduct* | *-317.33* | |
| 26 56 13 00-0030 | EA | 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base | 3,794.23 | 731.77 |
| | | *For Galvanized Finish, Add* | *69.92* | |
| | | *For >10 To 20, Deduct* | *-94.86* | |
| | | *For >20 To 40, Deduct* | *-189.71* | |
| | | *For >40, Deduct* | *-321.16* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0031 | EA | 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base | 3,934.49 | 731.77 |
| | | *For Galvanized Finish, Add* | *74.13* | |
| | | *For >10 To 20, Deduct* | *-98.36* | |
| | | *For >20 To 40, Deduct* | *-196.72* | |
| | | *For >40, Deduct* | *-331.68* | |
| 26 56 13 00-0032 | EA | 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base | 4,000.04 | 749.19 |
| | | *For Galvanized Finish, Add* | *75.05* | |
| | | *For >10 To 20, Deduct* | *-100.00* | |
| | | *For >20 To 40, Deduct* | *-200.00* | |
| | | *For >40, Deduct* | *-337.46* | |
| 26 56 13 00-0033 | EA | 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base | 4,064.00 | 766.62 |
| | | *For Galvanized Finish, Add* | *75.92* | |
| | | *For >10 To 20, Deduct* | *-101.60* | |
| | | *For >20 To 40, Deduct* | *-203.20* | |
| | | *For >40, Deduct* | *-343.13* | |
| 26 56 13 00-0034 | EA | 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base | 4,406.33 | 766.62 |
| | | *For Galvanized Finish, Add* | *86.19* | |
| | | *For >10 To 20, Deduct* | *-110.16* | |
| | | *For >20 To 40, Deduct* | *-220.32* | |
| | | *For >40, Deduct* | *-368.81* | |
| 26 56 13 00-0035 | EA | 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base | 4,445.78 | 784.04 |
| | | *For Galvanized Finish, Add* | *86.33* | |
| | | *For >10 To 20, Deduct* | *-111.14* | |
| | | *For >20 To 40, Deduct* | *-222.29* | |
| | | *For >40, Deduct* | *-372.64* | |
| 26 56 13 00-0036 | EA | 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base | 4,485.39 | 801.46 |
| | | *For Galvanized Finish, Add* | *86.47* | |
| | | *For >10 To 20, Deduct* | *-112.13* | |
| | | *For >20 To 40, Deduct* | *-224.27* | |
| | | *For >40, Deduct* | *-376.48* | |

## 26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0038 | EA | 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base | 4,002.76 | 696.93 |
| | | *For Galvanized Finish, Add* | *78.27* | |
| | | *For >10 To 20, Deduct* | *-100.07* | |
| | | *For >20 To 40, Deduct* | *-200.14* | |
| | | *For >40, Deduct* | *-335.05* | |
| 26 56 13 00-0039 | EA | 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base | 4,077.13 | 731.77 |
| | | *For Galvanized Finish, Add* | *78.41* | |
| | | *For >10 To 20, Deduct* | *-101.93* | |
| | | *For >20 To 40, Deduct* | *-203.86* | |
| | | *For >40, Deduct* | *-342.37* | |
| 26 56 13 00-0040 | EA | 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base | 4,158.48 | 766.62 |
| | | *For Galvanized Finish, Add* | *78.76* | |
| | | *For >10 To 20, Deduct* | *-103.96* | |
| | | *For >20 To 40, Deduct* | *-207.92* | |
| | | *For >40, Deduct* | *-350.22* | |
| 26 56 13 00-0041 | EA | 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base | 4,259.08 | 766.62 |
| | | *For Galvanized Finish, Add* | *81.78* | |
| | | *For >10 To 20, Deduct* | *-106.48* | |
| | | *For >20 To 40, Deduct* | *-212.95* | |
| | | *For >40, Deduct* | *-357.76* | |
| 26 56 13 00-0042 | EA | 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base | 4,335.68 | 801.46 |
| | | *For Galvanized Finish, Add* | *81.98* | |
| | | *For >10 To 20, Deduct* | *-108.39* | |
| | | *For >20 To 40, Deduct* | *-216.78* | |
| | | *For >40, Deduct* | *-365.25* | |
| 26 56 13 00-0043 | EA | 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base | 4,410.05 | 836.31 |
| | | *For Galvanized Finish, Add* | *82.12* | |
| | | *For >10 To 20, Deduct* | *-110.25* | |
| | | *For >20 To 40, Deduct* | *-220.50* | |
| | | *For >40, Deduct* | *-372.57* | |
| 26 56 13 00-0044 | EA | 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base | 4,520.29 | 801.46 |
| | | *For Galvanized Finish, Add* | *87.52* | |
| | | *For >10 To 20, Deduct* | *-113.01* | |
| | | *For >20 To 40, Deduct* | *-226.01* | |
| | | *For >40, Deduct* | *-379.10* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0045 | EA | 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base | 4,594.66 | 836.31 |
| | | *For Galvanized Finish, Add* | *87.66* | |
| | | *For >10 To 20, Deduct* | *-114.87* | |
| | | *For >20 To 40, Deduct* | *-229.73* | |
| | | *For >40, Deduct* | *-386.42* | |
| 26 56 13 00-0046 | EA | 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base | 4,669.04 | 871.16 |
| | | *For Galvanized Finish, Add* | *87.80* | |
| | | *For >10 To 20, Deduct* | *-116.73* | |
| | | *For >20 To 40, Deduct* | *-233.45* | |
| | | *For >40, Deduct* | *-393.74* | |
| 26 56 13 00-0047 | EA | 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base | 4,847.34 | 836.31 |
| | | *For Galvanized Finish, Add* | *95.24* | |
| | | *For >10 To 20, Deduct* | *-121.18* | |
| | | *For >20 To 40, Deduct* | *-242.37* | |
| | | *For >40, Deduct* | *-405.37* | |
| 26 56 13 00-0048 | EA | 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base | 4,921.48 | 871.16 |
| | | *For Galvanized Finish, Add* | *95.38* | |
| | | *For >10 To 20, Deduct* | *-123.04* | |
| | | *For >20 To 40, Deduct* | *-246.07* | |
| | | *For >40, Deduct* | *-412.67* | |
| 26 56 13 00-0049 | EA | 40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base | 5,000.53 | 906.00 |
| | | *For Galvanized Finish, Add* | *95.66* | |
| | | *For >10 To 20, Deduct* | *-125.01* | |
| | | *For >20 To 40, Deduct* | *-250.03* | |
| | | *For >40, Deduct* | *-420.34* | |

## 26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0051 | EA | 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base | 4,446.07 | 766.62 |
| | | *For Galvanized Finish, Add* | *87.39* | |
| | | *For >10 To 20, Deduct* | *-111.15* | |
| | | *For >20 To 40, Deduct* | *-222.30* | |
| | | *For >40, Deduct* | *-371.79* | |
| 26 56 13 00-0052 | EA | 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base | 4,557.59 | 818.89 |
| | | *For Galvanized Finish, Add* | *87.59* | |
| | | *For >10 To 20, Deduct* | *-113.94* | |
| | | *For >20 To 40, Deduct* | *-227.88* | |
| | | *For >40, Deduct* | *-382.76* | |
| 26 56 13 00-0053 | EA | 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base | 4,666.73 | 871.16 |
| | | *For Galvanized Finish, Add* | *87.73* | |
| | | *For >10 To 20, Deduct* | *-116.67* | |
| | | *For >20 To 40, Deduct* | *-233.34* | |
| | | *For >40, Deduct* | *-393.56* | |
| 26 56 13 00-0054 | EA | 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base | 4,731.04 | 836.31 |
| | | *For Galvanized Finish, Add* | *91.75* | |
| | | *For >10 To 20, Deduct* | *-118.28* | |
| | | *For >20 To 40, Deduct* | *-236.55* | |
| | | *For >40, Deduct* | *-396.64* | |
| 26 56 13 00-0055 | EA | 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base | 4,840.50 | 888.58 |
| | | *For Galvanized Finish, Add* | *91.90* | |
| | | *For >10 To 20, Deduct* | *-121.01* | |
| | | *For >20 To 40, Deduct* | *-242.03* | |
| | | *For >40, Deduct* | *-407.47* | |
| 26 56 13 00-0056 | EA | 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base | 4,922.98 | 940.84 |
| | | *For Galvanized Finish, Add* | *91.24* | |
| | | *For >10 To 20, Deduct* | *-123.07* | |
| | | *For >20 To 40, Deduct* | *-246.15* | |
| | | *For >40, Deduct* | *-416.27* | |
| 26 56 13 00-0057 | EA | 35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base | 5,066.42 | 871.16 |
| | | *For Galvanized Finish, Add* | *99.72* | |
| | | *For >10 To 20, Deduct* | *-126.66* | |
| | | *For >20 To 40, Deduct* | *-253.32* | |
| | | *For >40, Deduct* | *-423.54* | |
| 26 56 13 00-0058 | EA | 35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base | 5,207.47 | 923.42 |
| | | *For Galvanized Finish, Add* | *100.82* | |
| | | *For >10 To 20, Deduct* | *-130.19* | |
| | | *For >20 To 40, Deduct* | *-260.37* | |
| | | *For >40, Deduct* | *-436.73* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0059 | EA | 35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base | 5,287.32 | 975.70 |
| | | *For Galvanized Finish, Add* | *100.08* | |
| | | *For >10 To 20, Deduct* | *-132.18* | |
| | | *For >20 To 40, Deduct* | *-264.37* | |
| | | *For >40, Deduct* | *-445.33* | |
| 26 56 13 00-0060 | EA | 40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base | 5,288.12 | 906.00 |
| | | *For Galvanized Finish, Add* | *104.28* | |
| | | *For >10 To 20, Deduct* | *-132.20* | |
| | | *For >20 To 40, Deduct* | *-264.41* | |
| | | *For >40, Deduct* | *-441.91* | |
| 26 56 13 00-0061 | EA | 40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base | 5,397.26 | 958.27 |
| | | *For Galvanized Finish, Add* | *104.42* | |
| | | *For >10 To 20, Deduct* | *-134.93* | |
| | | *For >20 To 40, Deduct* | *-269.86* | |
| | | *For >40, Deduct* | *-452.71* | |
| 26 56 13 00-0062 | EA | 40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base | 5,508.79 | 1,010.54 |
| | | *For Galvanized Finish, Add* | *104.63* | |
| | | *For >10 To 20, Deduct* | *-137.72* | |
| | | *For >20 To 40, Deduct* | *-275.44* | |
| | | *For >40, Deduct* | *-463.69* | |

### 26 56 13 00-0063 Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*

### 26 56 13 00-0064 Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0065 | EA | 25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base | 3,181.58 | 557.54 |
| | | *For Galvanized Finish, Add* | *62.00* | |
| | | *For >10 To 20, Deduct* | *-79.54* | |
| | | *For >20 To 40, Deduct* | *-159.08* | |
| | | *For >40, Deduct* | *-266.50* | |
| 26 56 13 00-0066 | EA | 30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base | 3,597.92 | 627.23 |
| | | *For Galvanized Finish, Add* | *70.30* | |
| | | *For >10 To 20, Deduct* | *-89.95* | |
| | | *For >20 To 40, Deduct* | *-179.90* | |
| | | *For >40, Deduct* | *-301.21* | |
| 26 56 13 00-0067 | EA | 35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base | 3,706.18 | 662.07 |
| | | *For Galvanized Finish, Add* | *71.46* | |
| | | *For >10 To 20, Deduct* | *-92.65* | |
| | | *For >20 To 40, Deduct* | *-185.31* | |
| | | *For >40, Deduct* | *-311.07* | |
| 26 56 13 00-0068 | EA | 40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base | 4,367.38 | 696.93 |
| | | *For Galvanized Finish, Add* | *89.21* | |
| | | *For >10 To 20, Deduct* | *-109.18* | |
| | | *For >20 To 40, Deduct* | *-218.37* | |
| | | *For >40, Deduct* | *-362.40* | |

### 26 56 13 00-0069 Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*

### 26 56 13 00-0070 Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0071 | EA | 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base | 4,008.80 | 557.54 |
| | | *For Galvanized Finish, Add* | *86.81* | |
| | | *For >10 To 20, Deduct* | *-100.22* | |
| | | *For >20 To 40, Deduct* | *-200.44* | |
| | | *For >40, Deduct* | *-328.54* | |
| 26 56 13 00-0072 | EA | 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base | 4,044.26 | 557.54 |
| | | *For Galvanized Finish, Add* | *87.88* | |
| | | *For >10 To 20, Deduct* | *-101.11* | |
| | | *For >20 To 40, Deduct* | *-202.21* | |
| | | *For >40, Deduct* | *-331.20* | |
| 26 56 13 00-0073 | EA | 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base | 4,060.45 | 557.54 |
| | | *For Galvanized Finish, Add* | *88.36* | |
| | | *For >10 To 20, Deduct* | *-101.51* | |
| | | *For >20 To 40, Deduct* | *-203.02* | |
| | | *For >40, Deduct* | *-332.41* | |
| 26 56 13 00-0074 | EA | 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base | 4,183.64 | 627.23 |
| | | *For Galvanized Finish, Add* | *87.88* | |
| | | *For >10 To 20, Deduct* | *-104.59* | |
| | | *For >20 To 40, Deduct* | *-209.18* | |
| | | *For >40, Deduct* | *-345.13* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0075 | EA | 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base | 4,189.83 | 627.23 |
| | | *For Galvanized Finish, Add* | *88.06* | |
| | | *For >10 To 20, Deduct* | *-104.75* | |
| | | *For >20 To 40, Deduct* | *-209.49* | |
| | | *For >40, Deduct* | *-345.60* | |
| 26 56 13 00-0076 | EA | 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base | 4,253.78 | 627.23 |
| | | *For Galvanized Finish, Add* | *89.98* | |
| | | *For >10 To 20, Deduct* | *-106.34* | |
| | | *For >20 To 40, Deduct* | *-212.69* | |
| | | *For >40, Deduct* | *-350.40* | |
| 26 56 13 00-0077 | EA | 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base | 4,274.37 | 662.07 |
| | | *For Galvanized Finish, Add* | *88.51* | |
| | | *For >10 To 20, Deduct* | *-106.86* | |
| | | *For >20 To 40, Deduct* | *-213.72* | |
| | | *For >40, Deduct* | *-353.68* | |
| 26 56 13 00-0078 | EA | 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base | 4,311.81 | 662.07 |
| | | *For Galvanized Finish, Add* | *89.63* | |
| | | *For >10 To 20, Deduct* | *-107.80* | |
| | | *For >20 To 40, Deduct* | *-215.59* | |
| | | *For >40, Deduct* | *-356.49* | |
| 26 56 13 00-0079 | EA | 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base | 4,508.17 | 662.07 |
| | | *For Galvanized Finish, Add* | *95.52* | |
| | | *For >10 To 20, Deduct* | *-112.70* | |
| | | *For >20 To 40, Deduct* | *-225.41* | |
| | | *For >40, Deduct* | *-371.22* | |

## 26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0081 | EA | 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base | 5,231.02 | 696.93 |
| | | *For Galvanized Finish, Add* | *115.12* | |
| | | *For >10 To 20, Deduct* | *-130.78* | |
| | | *For >20 To 40, Deduct* | *-261.55* | |
| | | *For >40, Deduct* | *-427.17* | |
| 26 56 13 00-0082 | EA | 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base | 5,334.66 | 731.77 |
| | | *For Galvanized Finish, Add* | *116.13* | |
| | | *For >10 To 20, Deduct* | *-133.37* | |
| | | *For >20 To 40, Deduct* | *-266.73* | |
| | | *For >40, Deduct* | *-436.69* | |
| 26 56 13 00-0083 | EA | 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base | 5,537.63 | 766.62 |
| | | *For Galvanized Finish, Add* | *120.13* | |
| | | *For >10 To 20, Deduct* | *-138.44* | |
| | | *For >20 To 40, Deduct* | *-276.88* | |
| | | *For >40, Deduct* | *-453.65* | |
| 26 56 13 00-0084 | EA | 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base | 5,350.72 | 766.62 |
| | | *For Galvanized Finish, Add* | *114.52* | |
| | | *For >10 To 20, Deduct* | *-133.77* | |
| | | *For >20 To 40, Deduct* | *-267.54* | |
| | | *For >40, Deduct* | *-439.63* | |
| 26 56 13 00-0085 | EA | 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base | 5,595.83 | 801.46 |
| | | *For Galvanized Finish, Add* | *119.79* | |
| | | *For >10 To 20, Deduct* | *-139.90* | |
| | | *For >20 To 40, Deduct* | *-279.79* | |
| | | *For >40, Deduct* | *-459.76* | |
| 26 56 13 00-0086 | EA | 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base | 5,751.84 | 836.31 |
| | | *For Galvanized Finish, Add* | *122.38* | |
| | | *For >10 To 20, Deduct* | *-143.80* | |
| | | *For >20 To 40, Deduct* | *-287.59* | |
| | | *For >40, Deduct* | *-473.20* | |
| 26 56 13 00-0087 | EA | 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base | 5,518.40 | 801.46 |
| | | *For Galvanized Finish, Add* | *117.46* | |
| | | *For >10 To 20, Deduct* | *-137.96* | |
| | | *For >20 To 40, Deduct* | *-275.92* | |
| | | *For >40, Deduct* | *-453.95* | |
| 26 56 13 00-0088 | EA | 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base | 5,838.31 | 836.31 |
| | | *For Galvanized Finish, Add* | *124.97* | |
| | | *For >10 To 20, Deduct* | *-145.96* | |
| | | *For >20 To 40, Deduct* | *-291.92* | |
| | | *For >40, Deduct* | *-479.69* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0089 | EA | 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base | 6,036.52 | 871.16 |
| | | *For Galvanized Finish, Add* | *128.83* | |
| | | *For >10 To 20, Deduct* | *-150.91* | |
| | | *For >20 To 40, Deduct* | *-301.83* | |
| | | *For >40, Deduct* | *-496.30* | |

## 26 56 13 00-0090 Aluminum Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

## 26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*

## 26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*

## 26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0094 | EA | 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base | 2,546.44 | 418.16 |
| | | *For >10 To 20, Deduct* | *-63.66* | |
| | | *For >20 To 40, Deduct* | *-127.32* | |
| | | *For >40, Deduct* | *-211.89* | |
| 26 56 13 00-0095 | EA | 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base | 2,567.14 | 418.16 |
| | | *For >10 To 20, Deduct* | *-64.18* | |
| | | *For >20 To 40, Deduct* | *-128.36* | |
| | | *For >40, Deduct* | *-213.44* | |
| 26 56 13 00-0096 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base | 3,137.70 | 557.54 |
| | | *For >10 To 20, Deduct* | *-78.44* | |
| | | *For >20 To 40, Deduct* | *-156.89* | |
| | | *For >40, Deduct* | *-263.20* | |
| 26 56 13 00-0097 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base | 3,176.81 | 557.54 |
| | | *For >10 To 20, Deduct* | *-79.42* | |
| | | *For >20 To 40, Deduct* | *-158.84* | |
| | | *For >40, Deduct* | *-266.14* | |
| 26 56 13 00-0098 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base | 3,212.78 | 557.54 |
| | | *For >10 To 20, Deduct* | *-80.32* | |
| | | *For >20 To 40, Deduct* | *-160.64* | |
| | | *For >40, Deduct* | *-268.84* | |
| 26 56 13 00-0099 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base | 3,597.11 | 627.23 |
| | | *For >10 To 20, Deduct* | *-89.93* | |
| | | *For >20 To 40, Deduct* | *-179.86* | |
| | | *For >40, Deduct* | *-301.14* | |
| 26 56 13 00-0100 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base | 3,630.11 | 627.23 |
| | | *For >10 To 20, Deduct* | *-90.75* | |
| | | *For >20 To 40, Deduct* | *-181.51* | |
| | | *For >40, Deduct* | *-303.62* | |
| 26 56 13 00-0101 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base | 3,667.02 | 627.23 |
| | | *For >10 To 20, Deduct* | *-91.68* | |
| | | *For >20 To 40, Deduct* | *-183.35* | |
| | | *For >40, Deduct* | *-306.39* | |
| 26 56 13 00-0102 | EA | 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base | 4,188.94 | 662.07 |
| | | *For >10 To 20, Deduct* | *-104.72* | |
| | | *For >20 To 40, Deduct* | *-209.45* | |
| | | *For >40, Deduct* | *-347.27* | |
| 26 56 13 00-0103 | EA | 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base | 4,221.86 | 662.07 |
| | | *For >10 To 20, Deduct* | *-105.55* | |
| | | *For >20 To 40, Deduct* | *-211.09* | |
| | | *For >40, Deduct* | *-349.74* | |
| 26 56 13 00-0104 | EA | 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base | 4,249.44 | 662.07 |
| | | *For >10 To 20, Deduct* | *-106.24* | |
| | | *For >20 To 40, Deduct* | *-212.47* | |
| | | *For >40, Deduct* | *-351.81* | |

## 26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0106 | EA | 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base | 2,920.85 | 487.84 |
| | | *For >10 To 20, Deduct* | *-73.02* | |
| | | *For >20 To 40, Deduct* | *-146.04* | |
| | | *For >40, Deduct* | *-243.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0107 | EA | 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base | 3,123.72 | 487.84 |
| | | *For >10 To 20, Deduct* | *-78.09* | |
| | | *For >20 To 40, Deduct* | *-156.19* | |
| | | *For >40, Deduct* | *-258.67* | |
| 26 56 13 00-0108 | EA | 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base | 3,232.94 | 522.70 |
| | | *For >10 To 20, Deduct* | *-80.82* | |
| | | *For >20 To 40, Deduct* | *-161.65* | |
| | | *For >40, Deduct* | *-268.61* | |
| 26 56 13 00-0109 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base | 3,500.98 | 627.23 |
| | | *For >10 To 20, Deduct* | *-87.52* | |
| | | *For >20 To 40, Deduct* | *-175.05* | |
| | | *For >40, Deduct* | *-293.94* | |
| 26 56 13 00-0110 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base | 3,664.96 | 644.65 |
| | | *For >10 To 20, Deduct* | *-91.62* | |
| | | *For >20 To 40, Deduct* | *-183.25* | |
| | | *For >40, Deduct* | *-307.10* | |
| 26 56 13 00-0111 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base | 3,898.78 | 662.07 |
| | | *For >10 To 20, Deduct* | *-97.47* | |
| | | *For >20 To 40, Deduct* | *-194.94* | |
| | | *For >40, Deduct* | *-325.51* | |
| 26 56 13 00-0112 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base | 4,031.51 | 696.93 |
| | | *For >10 To 20, Deduct* | *-100.79* | |
| | | *For >20 To 40, Deduct* | *-201.58* | |
| | | *For >40, Deduct* | *-337.21* | |
| 26 56 13 00-0113 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base | 4,186.16 | 714.35 |
| | | *For >10 To 20, Deduct* | *-104.65* | |
| | | *For >20 To 40, Deduct* | *-209.31* | |
| | | *For >40, Deduct* | *-349.68* | |
| 26 56 13 00-0114 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base | 4,373.55 | 731.77 |
| | | *For >10 To 20, Deduct* | *-109.34* | |
| | | *For >20 To 40, Deduct* | *-218.68* | |
| | | *For >40, Deduct* | *-364.60* | |
| 26 56 13 00-0115 | EA | 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base | 4,552.99 | 731.77 |
| | | *For >10 To 20, Deduct* | *-113.82* | |
| | | *For >20 To 40, Deduct* | *-227.65* | |
| | | *For >40, Deduct* | *-378.06* | |
| 26 56 13 00-0116 | EA | 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base | 4,961.33 | 749.19 |
| | | *For >10 To 20, Deduct* | *-124.03* | |
| | | *For >20 To 40, Deduct* | *-248.07* | |
| | | *For >40, Deduct* | *-409.56* | |
| 26 56 13 00-0117 | EA | 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base | 5,435.24 | 766.62 |
| | | *For >10 To 20, Deduct* | *-135.88* | |
| | | *For >20 To 40, Deduct* | *-271.76* | |
| | | *For >40, Deduct* | *-445.97* | |

### 26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0119 | EA | 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base | 3,386.80 | 557.54 |
| | | *For >10 To 20, Deduct* | *-84.67* | |
| | | *For >20 To 40, Deduct* | *-169.34* | |
| | | *For >40, Deduct* | *-281.89* | |
| 26 56 13 00-0120 | EA | 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base | 3,620.58 | 592.39 |
| | | *For >10 To 20, Deduct* | *-90.51* | |
| | | *For >20 To 40, Deduct* | *-181.03* | |
| | | *For >40, Deduct* | *-301.16* | |
| 26 56 13 00-0121 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base | 4,124.92 | 696.93 |
| | | *For >10 To 20, Deduct* | *-103.12* | |
| | | *For >20 To 40, Deduct* | *-206.25* | |
| | | *For >40, Deduct* | *-344.22* | |
| 26 56 13 00-0122 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base | 4,303.13 | 731.77 |
| | | *For >10 To 20, Deduct* | *-107.58* | |
| | | *For >20 To 40, Deduct* | *-215.16* | |
| | | *For >40, Deduct* | *-359.32* | |
| 26 56 13 00-0123 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base | 4,506.62 | 766.62 |
| | | *For >10 To 20, Deduct* | *-112.67* | |
| | | *For >20 To 40, Deduct* | *-225.33* | |
| | | *For >40, Deduct* | *-376.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0124 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base | 4,669.73 | 801.46 |
| | | *For >10 To 20, Deduct* | *-116.74* | |
| | | *For >20 To 40, Deduct* | *-233.49* | |
| | | *For >40, Deduct* | *-390.30* | |
| 26 56 13 00-0125 | EA | 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base | 4,864.02 | 801.46 |
| | | *For >10 To 20, Deduct* | *-121.60* | |
| | | *For >20 To 40, Deduct* | *-243.20* | |
| | | *For >40, Deduct* | *-404.87* | |
| 26 56 13 00-0126 | EA | 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base | 5,278.52 | 836.31 |
| | | *For >10 To 20, Deduct* | *-131.96* | |
| | | *For >20 To 40, Deduct* | *-263.93* | |
| | | *For >40, Deduct* | *-437.70* | |
| 26 56 13 00-0127 | EA | 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base | 11,736.75 | 871.16 |
| | | *For >10 To 20, Deduct* | *-293.42* | |
| | | *For >20 To 40, Deduct* | *-586.84* | |
| | | *For >40, Deduct* | *-923.81* | |
| **26 56 13 00-0128** | | **Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms** *(26 56 13 00-0092)* | | |
| 26 56 13 00-0129 | EA | 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base | 3,525.67 | 627.23 |
| | | *For >10 To 20, Deduct* | *-88.14* | |
| | | *For >20 To 40, Deduct* | *-176.28* | |
| | | *For >40, Deduct* | *-295.79* | |
| 26 56 13 00-0130 | EA | 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base | 3,649.88 | 627.23 |
| | | *For >10 To 20, Deduct* | *-91.25* | |
| | | *For >20 To 40, Deduct* | *-182.49* | |
| | | *For >40, Deduct* | *-305.10* | |
| 26 56 13 00-0131 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base | 4,514.34 | 766.62 |
| | | *For >10 To 20, Deduct* | *-112.86* | |
| | | *For >20 To 40, Deduct* | *-225.72* | |
| | | *For >40, Deduct* | *-376.91* | |
| 26 56 13 00-0132 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base | 4,883.68 | 818.89 |
| | | *For >10 To 20, Deduct* | *-122.09* | |
| | | *For >20 To 40, Deduct* | *-244.18* | |
| | | *For >40, Deduct* | *-407.22* | |
| 26 56 13 00-0133 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base | 5,087.71 | 836.31 |
| | | *For >10 To 20, Deduct* | *-127.19* | |
| | | *For >20 To 40, Deduct* | *-254.39* | |
| | | *For >40, Deduct* | *-423.39* | |
| 26 56 13 00-0134 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base | 5,429.56 | 888.58 |
| | | *For >10 To 20, Deduct* | *-135.74* | |
| | | *For >20 To 40, Deduct* | *-271.48* | |
| | | *For >40, Deduct* | *-451.65* | |
| 26 56 13 00-0135 | EA | 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base | 5,354.32 | 871.16 |
| | | *For >10 To 20, Deduct* | *-133.86* | |
| | | *For >20 To 40, Deduct* | *-267.72* | |
| | | *For >40, Deduct* | *-445.13* | |
| 26 56 13 00-0136 | EA | 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base | 6,066.96 | 923.42 |
| | | *For >10 To 20, Deduct* | *-151.67* | |
| | | *For >20 To 40, Deduct* | *-303.35* | |
| | | *For >40, Deduct* | *-501.19* | |
| 26 56 13 00-0137 | EA | 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base | 6,699.05 | 975.70 |
| | | *For >10 To 20, Deduct* | *-167.48* | |
| | | *For >20 To 40, Deduct* | *-334.95* | |
| | | *For >40, Deduct* | *-551.21* | |
| **26 56 13 00-0138** | | **Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms** *(26 56 13 00-0091)* | | |
| **26 56 13 00-0139** | | **Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm** *(26 56 13 00-0138)* | | |
| 26 56 13 00-0140 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base | 3,712.43 | 557.54 |
| | | *For >10 To 20, Deduct* | *-92.81* | |
| | | *For >20 To 40, Deduct* | *-185.62* | |
| | | *For >40, Deduct* | *-306.31* | |
| 26 56 13 00-0141 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base | 3,740.09 | 557.54 |
| | | *For >10 To 20, Deduct* | *-93.50* | |
| | | *For >20 To 40, Deduct* | *-187.00* | |
| | | *For >40, Deduct* | *-308.38* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0142 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base | 3,810.77 | 557.54 |
| | | *For >10 To 20, Deduct* | *-95.27* | |
| | | *For >20 To 40, Deduct* | *-190.54* | |
| | | *For >40, Deduct* | *-313.68* | |
| 26 56 13 00-0143 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base | 3,916.82 | 557.54 |
| | | *For >10 To 20, Deduct* | *-97.92* | |
| | | *For >20 To 40, Deduct* | *-195.84* | |
| | | *For >40, Deduct* | *-321.64* | |
| 26 56 13 00-0144 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base | 4,179.74 | 627.23 |
| | | *For >10 To 20, Deduct* | *-104.49* | |
| | | *For >20 To 40, Deduct* | *-208.99* | |
| | | *For >40, Deduct* | *-344.84* | |
| 26 56 13 00-0145 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base | 4,242.10 | 627.23 |
| | | *For >10 To 20, Deduct* | *-106.05* | |
| | | *For >20 To 40, Deduct* | *-212.11* | |
| | | *For >40, Deduct* | *-349.52* | |
| 26 56 13 00-0146 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base | 4,308.62 | 627.23 |
| | | *For >10 To 20, Deduct* | *-107.72* | |
| | | *For >20 To 40, Deduct* | *-215.43* | |
| | | *For >40, Deduct* | *-354.51* | |
| 26 56 13 00-0147 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base | 4,709.85 | 627.23 |
| | | *For >10 To 20, Deduct* | *-117.75* | |
| | | *For >20 To 40, Deduct* | *-235.49* | |
| | | *For >40, Deduct* | *-384.60* | |
| 26 56 13 00-0148 | EA | 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base | 4,534.77 | 662.07 |
| | | *For >10 To 20, Deduct* | *-113.37* | |
| | | *For >20 To 40, Deduct* | *-226.74* | |
| | | *For >40, Deduct* | *-373.21* | |
| 26 56 13 00-0149 | EA | 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base | 5,049.61 | 662.07 |
| | | *For >10 To 20, Deduct* | *-126.24* | |
| | | *For >20 To 40, Deduct* | *-252.48* | |
| | | *For >40, Deduct* | *-411.82* | |
| 26 56 13 00-0150 | EA | 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base | 5,099.75 | 662.07 |
| | | *For >10 To 20, Deduct* | *-127.49* | |
| | | *For >20 To 40, Deduct* | *-254.99* | |
| | | *For >40, Deduct* | *-415.59* | |
| 26 56 13 00-0151 | EA | 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base | 5,418.09 | 662.07 |
| | | *For >10 To 20, Deduct* | *-135.45* | |
| | | *For >20 To 40, Deduct* | *-270.90* | |
| | | *For >40, Deduct* | *-439.46* | |
| 26 56 13 00-0152 | EA | 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base | 5,708.43 | 662.07 |
| | | *For >10 To 20, Deduct* | *-142.71* | |
| | | *For >20 To 40, Deduct* | *-285.42* | |
| | | *For >40, Deduct* | *-461.24* | |

## 26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0154 | EA | 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base | 4,808.94 | 696.93 |
| | | *For >10 To 20, Deduct* | *-120.22* | |
| | | *For >20 To 40, Deduct* | *-240.45* | |
| | | *For >40, Deduct* | *-395.52* | |
| 26 56 13 00-0155 | EA | 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base | 4,949.30 | 731.77 |
| | | *For >10 To 20, Deduct* | *-123.73* | |
| | | *For >20 To 40, Deduct* | *-247.47* | |
| | | *For >40, Deduct* | *-407.79* | |
| 26 56 13 00-0156 | EA | 25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base | 5,064.47 | 766.62 |
| | | *For >10 To 20, Deduct* | *-126.61* | |
| | | *For >20 To 40, Deduct* | *-253.22* | |
| | | *For >40, Deduct* | *-418.17* | |
| 26 56 13 00-0157 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base | 5,185.63 | 766.62 |
| | | *For >10 To 20, Deduct* | *-129.64* | |
| | | *For >20 To 40, Deduct* | *-259.28* | |
| | | *For >40, Deduct* | *-427.25* | |
| 26 56 13 00-0158 | EA | 30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base | 5,623.73 | 801.46 |
| | | *For >10 To 20, Deduct* | *-140.59* | |
| | | *For >20 To 40, Deduct* | *-281.19* | |
| | | *For >40, Deduct* | *-461.85* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0159 | EA | 30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base | 6,420.28 | 836.31 |
| | | *For >10 To 20, Deduct* | *-160.51* | |
| | | *For >20 To 40, Deduct* | *-321.01* | |
| | | *For >40, Deduct* | *-523.34* | |
| 26 56 13 00-0160 | EA | 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base | 6,206.69 | 801.46 |
| | | *For >10 To 20, Deduct* | *-155.17* | |
| | | *For >20 To 40, Deduct* | *-310.33* | |
| | | *For >40, Deduct* | *-505.58* | |
| 26 56 13 00-0161 | EA | 35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base | 6,335.61 | 836.31 |
| | | *For >10 To 20, Deduct* | *-158.39* | |
| | | *For >20 To 40, Deduct* | *-316.78* | |
| | | *For >40, Deduct* | *-516.99* | |
| 26 56 13 00-0162 | EA | 35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base | 7,648.27 | 871.16 |
| | | *For >10 To 20, Deduct* | *-191.21* | |
| | | *For >20 To 40, Deduct* | *-382.41* | |
| | | *For >40, Deduct* | *-617.18* | |

## 26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*

## 26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0165 | EA | 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base | 3,029.89 | 418.16 |
| | | *For >10 To 20, Deduct* | *-75.75* | |
| | | *For >20 To 40, Deduct* | *-151.49* | |
| | | *For >40, Deduct* | *-248.15* | |
| 26 56 13 00-0166 | EA | 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base | 3,108.03 | 418.16 |
| | | *For >10 To 20, Deduct* | *-77.70* | |
| | | *For >20 To 40, Deduct* | *-155.40* | |
| | | *For >40, Deduct* | *-254.01* | |
| 26 56 13 00-0167 | EA | 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base | 3,186.34 | 418.16 |
| | | *For >10 To 20, Deduct* | *-79.66* | |
| | | *For >20 To 40, Deduct* | *-159.32* | |
| | | *For >40, Deduct* | *-259.88* | |
| 26 56 13 00-0168 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base | 3,628.18 | 557.54 |
| | | *For >10 To 20, Deduct* | *-90.70* | |
| | | *For >20 To 40, Deduct* | *-181.41* | |
| | | *For >40, Deduct* | *-299.99* | |
| 26 56 13 00-0169 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base | 3,687.74 | 557.54 |
| | | *For >10 To 20, Deduct* | *-92.19* | |
| | | *For >20 To 40, Deduct* | *-184.39* | |
| | | *For >40, Deduct* | *-304.46* | |
| 26 56 13 00-0170 | EA | 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base | 3,752.82 | 557.54 |
| | | *For >10 To 20, Deduct* | *-93.82* | |
| | | *For >20 To 40, Deduct* | *-187.64* | |
| | | *For >40, Deduct* | *-309.34* | |
| 26 56 13 00-0171 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base | 4,094.05 | 627.23 |
| | | *For >10 To 20, Deduct* | *-102.35* | |
| | | *For >20 To 40, Deduct* | *-204.70* | |
| | | *For >40, Deduct* | *-338.42* | |
| 26 56 13 00-0172 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base | 4,174.90 | 627.23 |
| | | *For >10 To 20, Deduct* | *-104.37* | |
| | | *For >20 To 40, Deduct* | *-208.75* | |
| | | *For >40, Deduct* | *-344.48* | |
| 26 56 13 00-0173 | EA | 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base | 4,187.04 | 627.23 |
| | | *For >10 To 20, Deduct* | *-104.68* | |
| | | *For >20 To 40, Deduct* | *-209.35* | |
| | | *For >40, Deduct* | *-345.39* | |
| 26 56 13 00-0174 | EA | 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base | 4,451.45 | 662.07 |
| | | *For >10 To 20, Deduct* | *-111.29* | |
| | | *For >20 To 40, Deduct* | *-222.57* | |
| | | *For >40, Deduct* | *-366.96* | |
| 26 56 13 00-0175 | EA | 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base | 4,486.92 | 662.07 |
| | | *For >10 To 20, Deduct* | *-112.17* | |
| | | *For >20 To 40, Deduct* | *-224.35* | |
| | | *For >40, Deduct* | *-369.62* | |
| 26 56 13 00-0176 | EA | 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base | 4,570.07 | 662.07 |
| | | *For >10 To 20, Deduct* | *-114.25* | |
| | | *For >20 To 40, Deduct* | *-228.50* | |
| | | *For >40, Deduct* | *-375.86* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0177 | | **Area Light Poles** *(26 56 13 00-0001)*<br>Note: Excludes lighting fixtures. | | |
| 26 56 13 00-0178 | | **Steel Area Light Poles** *(26 56 13 00-0177)*<br>Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top. | | |
| 26 56 13 00-0179 | | **Round Straight, Steel Area Light Poles** *(26 56 13 00-0178)* | | |
| 26 56 13 00-0180 | | **Round Straight, Steel Area Light Poles, Anchor Base** *(26 56 13 00-0179)* | | |
| 26 56 13 00-0181 | EA | 10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 1,422.85 | 243.93 |
| | | *For Galvanized Finish, Add* | *28.05* | |
| | | *For >10 To 20, Deduct* | *-49.60* | |
| | | *For >20 To 40, Deduct* | *-89.84* | |
| | | *For >40, Deduct* | *-189.04* | |
| 26 56 13 00-0182 | EA | 12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 1,544.35 | 278.77 |
| | | *For Galvanized Finish, Add* | *29.60* | |
| | | *For >10 To 20, Deduct* | *-53.41* | |
| | | *For >20 To 40, Deduct* | *-96.95* | |
| | | *For >40, Deduct* | *-203.78* | |
| 26 56 13 00-0183 | EA | 14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 1,725.42 | 313.62 |
| | | *For Galvanized Finish, Add* | *32.95* | |
| | | *For >10 To 20, Deduct* | *-59.61* | |
| | | *For >20 To 40, Deduct* | *-108.23* | |
| | | *For >40, Deduct* | *-227.45* | |
| 26 56 13 00-0184 | EA | 16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 1,911.67 | 348.46 |
| | | *For Galvanized Finish, Add* | *36.44* | |
| | | *For >10 To 20, Deduct* | *-66.01* | |
| | | *For >20 To 40, Deduct* | *-119.88* | |
| | | *For >40, Deduct* | *-251.90* | |
| 26 56 13 00-0185 | EA | 18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,033.16 | 383.31 |
| | | *For Galvanized Finish, Add* | *38.00* | |
| | | *For >10 To 20, Deduct* | *-69.83* | |
| | | *For >20 To 40, Deduct* | *-126.99* | |
| | | *For >40, Deduct* | *-266.64* | |
| 26 56 13 00-0186 | EA | 20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,141.70 | 418.16 |
| | | *For Galvanized Finish, Add* | *39.16* | |
| | | *For >10 To 20, Deduct* | *-73.12* | |
| | | *For >20 To 40, Deduct* | *-133.19* | |
| | | *For >40, Deduct* | *-279.44* | |
| 26 56 13 00-0187 | EA | 10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 1,490.19 | 243.93 |
| | | *For Galvanized Finish, Add* | *30.07* | |
| | | *For >10 To 20, Deduct* | *-52.29* | |
| | | *For >20 To 40, Deduct* | *-94.56* | |
| | | *For >40, Deduct* | *-199.14* | |
| 26 56 13 00-0188 | EA | 12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 1,614.28 | 278.77 |
| | | *For Galvanized Finish, Add* | *31.70* | |
| | | *For >10 To 20, Deduct* | *-56.21* | |
| | | *For >20 To 40, Deduct* | *-101.85* | |
| | | *For >40, Deduct* | *-214.27* | |
| 26 56 13 00-0189 | EA | 14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 1,865.28 | 313.62 |
| | | *For Galvanized Finish, Add* | *37.14* | |
| | | *For >10 To 20, Deduct* | *-65.20* | |
| | | *For >20 To 40, Deduct* | *-118.03* | |
| | | *For >40, Deduct* | *-248.43* | |
| 26 56 13 00-0190 | EA | 16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,002.32 | 348.46 |
| | | *For Galvanized Finish, Add* | *39.16* | |
| | | *For >10 To 20, Deduct* | *-69.64* | |
| | | *For >20 To 40, Deduct* | *-126.22* | |
| | | *For >40, Deduct* | *-265.50* | |
| 26 56 13 00-0191 | EA | 18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,131.58 | 383.31 |
| | | *For Galvanized Finish, Add* | *40.95* | |
| | | *For >10 To 20, Deduct* | *-73.76* | |
| | | *For >20 To 40, Deduct* | *-133.88* | |
| | | *For >40, Deduct* | *-281.41* | |
| 26 56 13 00-0192 | EA | 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,234.94 | 418.16 |
| | | *For Galvanized Finish, Add* | *41.96* | |
| | | *For >10 To 20, Deduct* | *-76.85* | |
| | | *For >20 To 40, Deduct* | *-139.72* | |
| | | *For >40, Deduct* | *-293.43* | |
| 26 56 13 00-0193 | EA | 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,609.54 | 557.54 |
| | | *For Galvanized Finish, Add* | *44.83* | |
| | | *For >10 To 20, Deduct* | *-87.66* | |
| | | *For >20 To 40, Deduct* | *-160.37* | |
| | | *For >40, Deduct* | *-335.68* | |
| 26 56 13 00-0194 | EA | 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 1,490.19 | 243.93 |
| | | *For Galvanized Finish, Add* | *30.07* | |
| | | *For >10 To 20, Deduct* | *-52.29* | |
| | | *For >20 To 40, Deduct* | *-94.56* | |
| | | *For >40, Deduct* | *-199.14* | |
| 26 56 13 00-0195 | EA | 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 1,622.05 | 278.77 |
| | | *For Galvanized Finish, Add* | *31.94* | |
| | | *For >10 To 20, Deduct* | *-56.52* | |
| | | *For >20 To 40, Deduct* | *-102.39* | |
| | | *For >40, Deduct* | *-215.43* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0196 | EA | 14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 1,906.72 | 313.62 |
| | | *For Galvanized Finish, Add* | *38.38* | |
| | | *For >10 To 20, Deduct* | *-66.86* | |
| | | *For >20 To 40, Deduct* | *-120.93* | |
| | | *For >40, Deduct* | *-254.65* | |
| 26 56 13 00-0197 | EA | 16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,010.09 | 348.46 |
| | | *For Galvanized Finish, Add* | *39.39* | |
| | | *For >10 To 20, Deduct* | *-69.95* | |
| | | *For >20 To 40, Deduct* | *-126.77* | |
| | | *For >40, Deduct* | *-266.67* | |
| 26 56 13 00-0198 | EA | 18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,131.58 | 383.31 |
| | | *For Galvanized Finish, Add* | *40.95* | |
| | | *For >10 To 20, Deduct* | *-73.76* | |
| | | *For >20 To 40, Deduct* | *-133.88* | |
| | | *For >40, Deduct* | *-281.41* | |
| 26 56 13 00-0199 | EA | 20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,234.94 | 418.16 |
| | | *For Galvanized Finish, Add* | *41.96* | |
| | | *For >10 To 20, Deduct* | *-76.85* | |
| | | *For >20 To 40, Deduct* | *-139.72* | |
| | | *For >40, Deduct* | *-293.43* | |
| 26 56 13 00-0200 | EA | 25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,682.07 | 557.54 |
| | | *For Galvanized Finish, Add* | *47.01* | |
| | | *For >10 To 20, Deduct* | *-90.56* | |
| | | *For >20 To 40, Deduct* | *-165.44* | |
| | | *For >40, Deduct* | *-346.56* | |
| 26 56 13 00-0201 | EA | 30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,956.13 | 627.23 |
| | | *For Galvanized Finish, Add* | *51.05* | |
| | | *For >10 To 20, Deduct* | *-99.43* | |
| | | *For >20 To 40, Deduct* | *-181.84* | |
| | | *For >40, Deduct* | *-380.70* | |
| 26 56 13 00-0202 | EA | 20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,400.71 | 418.16 |
| | | *For Galvanized Finish, Add* | *46.93* | |
| | | *For >10 To 20, Deduct* | *-83.48* | |
| | | *For >20 To 40, Deduct* | *-151.32* | |
| | | *For >40, Deduct* | *-318.29* | |
| 26 56 13 00-0203 | EA | 25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 2,715.74 | 557.54 |
| | | *For Galvanized Finish, Add* | *48.02* | |
| | | *For >10 To 20, Deduct* | *-91.90* | |
| | | *For >20 To 40, Deduct* | *-167.80* | |
| | | *For >40, Deduct* | *-351.61* | |
| 26 56 13 00-0204 | EA | 30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base | 3,020.88 | 627.23 |
| | | *For Galvanized Finish, Add* | *52.99* | |
| | | *For >10 To 20, Deduct* | *-102.02* | |
| | | *For >20 To 40, Deduct* | *-186.37* | |
| | | *For >40, Deduct* | *-390.41* | |

## 26 56 13 00-0205 Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

## 26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0207 | EA | 20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 2,986.06 | 418.16 |
| | | *For Galvanized Finish, Add* | *64.49* | |
| | | *For >10 To 20, Deduct* | *-106.90* | |
| | | *For >20 To 40, Deduct* | *-192.30* | |
| | | *For >40, Deduct* | *-406.09* | |
| 26 56 13 00-0208 | EA | 20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 3,066.35 | 418.16 |
| | | *For Galvanized Finish, Add* | *66.90* | |
| | | *For >10 To 20, Deduct* | *-110.11* | |
| | | *For >20 To 40, Deduct* | *-197.92* | |
| | | *For >40, Deduct* | *-418.14* | |
| 26 56 13 00-0209 | EA | 25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 3,521.25 | 557.54 |
| | | *For Galvanized Finish, Add* | *72.19* | |
| | | *For >10 To 20, Deduct* | *-124.12* | |
| | | *For >20 To 40, Deduct* | *-224.19* | |
| | | *For >40, Deduct* | *-472.43* | |
| 26 56 13 00-0210 | EA | 25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 3,687.01 | 557.54 |
| | | *For Galvanized Finish, Add* | *77.16* | |
| | | *For >10 To 20, Deduct* | *-130.75* | |
| | | *For >20 To 40, Deduct* | *-235.79* | |
| | | *For >40, Deduct* | *-497.30* | |
| 26 56 13 00-0211 | EA | 30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 3,919.63 | 627.23 |
| | | *For Galvanized Finish, Add* | *79.96* | |
| | | *For >10 To 20, Deduct* | *-137.97* | |
| | | *For >20 To 40, Deduct* | *-249.28* | |
| | | *For >40, Deduct* | *-525.22* | |
| 26 56 13 00-0212 | EA | 30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 4,196.77 | 627.23 |
| | | *For Galvanized Finish, Add* | *88.27* | |
| | | *For >10 To 20, Deduct* | *-149.05* | |
| | | *For >20 To 40, Deduct* | *-268.68* | |
| | | *For >40, Deduct* | *-566.79* | |
| 26 56 13 00-0213 | EA | 35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 4,323.45 | 662.07 |
| | | *For Galvanized Finish, Add* | *89.98* | |
| | | *For >10 To 20, Deduct* | *-153.08* | |
| | | *For >20 To 40, Deduct* | *-276.16* | |
| | | *For >40, Deduct* | *-582.31* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0214 | EA | 35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 4,494.39 | 662.07 |
| | | *For Galvanized Finish, Add* | *95.11* | |
| | | *For >10 To 20, Deduct* | *-159.91* | |
| | | *For >20 To 40, Deduct* | *-288.12* | |
| | | *For >40, Deduct* | *-607.95* | |
| 26 56 13 00-0215 | EA | 35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 4,903.62 | 662.07 |
| | | *For Galvanized Finish, Add* | *107.38* | |
| | | *For >10 To 20, Deduct* | *-176.28* | |
| | | *For >20 To 40, Deduct* | *-316.77* | |
| | | *For >40, Deduct* | *-669.34* | |
| 26 56 13 00-0216 | EA | 39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 4,942.23 | 696.93 |
| | | *For Galvanized Finish, Add* | *106.45* | |
| | | *For >10 To 20, Deduct* | *-176.78* | |
| | | *For >20 To 40, Deduct* | *-318.08* | |
| | | *For >40, Deduct* | *-671.64* | |
| 26 56 13 00-0217 | EA | 39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 5,014.75 | 696.93 |
| | | *For Galvanized Finish, Add* | *108.63* | |
| | | *For >10 To 20, Deduct* | *-179.68* | |
| | | *For >20 To 40, Deduct* | *-323.16* | |
| | | *For >40, Deduct* | *-682.52* | |
| 26 56 13 00-0218 | EA | 45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 6,828.95 | 906.00 |
| | | *For Galvanized Finish, Add* | *150.51* | |
| | | *For >10 To 20, Deduct* | *-245.98* | |
| | | *For >20 To 40, Deduct* | *-441.79* | |
| | | *For >40, Deduct* | *-933.74* | |
| 26 56 13 00-0219 | EA | 50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 7,092.18 | 1,045.39 |
| | | *For Galvanized Finish, Add* | *150.04* | |
| | | *For >10 To 20, Deduct* | *-252.33* | |
| | | *For >20 To 40, Deduct* | *-454.64* | |
| | | *For >40, Deduct* | *-959.29* | |
| 26 56 13 00-0220 | EA | 25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 4,811.10 | 557.54 |
| | | *For Galvanized Finish, Add* | *110.88* | |
| | | *For >10 To 20, Deduct* | *-175.72* | |
| | | *For >20 To 40, Deduct* | *-314.48* | |
| | | *For >40, Deduct* | *-665.91* | |
| 26 56 13 00-0221 | EA | 30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 5,463.31 | 627.23 |
| | | *For Galvanized Finish, Add* | *126.27* | |
| | | *For >10 To 20, Deduct* | *-199.72* | |
| | | *For >20 To 40, Deduct* | *-357.34* | |
| | | *For >40, Deduct* | *-756.77* | |
| 26 56 13 00-0222 | EA | 39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 6,338.27 | 696.93 |
| | | *For Galvanized Finish, Add* | *148.33* | |
| | | *For >10 To 20, Deduct* | *-232.62* | |
| | | *For >20 To 40, Deduct* | *-415.80* | |
| | | *For >40, Deduct* | *-881.05* | |
| 26 56 13 00-0223 | EA | 45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 7,637.04 | 906.00 |
| | | *For Galvanized Finish, Add* | *174.75* | |
| | | *For >10 To 20, Deduct* | *-278.30* | |
| | | *For >20 To 40, Deduct* | *-498.35* | |
| | | *For >40, Deduct* | *-1,054.96* | |
| 26 56 13 00-0224 | EA | 50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 8,915.58 | 1,045.39 |
| | | *For Galvanized Finish, Add* | *204.74* | |
| | | *For >10 To 20, Deduct* | *-325.26* | |
| | | *For >20 To 40, Deduct* | *-582.28* | |
| | | *For >40, Deduct* | *-1,232.80* | |
| 26 56 13 00-0225 | EA | 50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 9,969.73 | 1,045.39 |
| | | *For Galvanized Finish, Add* | *236.37* | |
| | | *For >10 To 20, Deduct* | *-367.43* | |
| | | *For >20 To 40, Deduct* | *-656.07* | |
| | | *For >40, Deduct* | *-1,390.92* | |
| 26 56 13 00-0226 | EA | 50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 13,492.21 | 1,045.39 |
| | | *For Galvanized Finish, Add* | *342.04* | |
| | | *For >10 To 20, Deduct* | *-508.33* | |
| | | *For >20 To 40, Deduct* | *-902.64* | |
| | | *For >40, Deduct* | *-1,919.29* | |
| 26 56 13 00-0227 | EA | 50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base | 15,201.65 | 1,045.39 |
| | | *For Galvanized Finish, Add* | *393.33* | |
| | | *For >10 To 20, Deduct* | *-576.70* | |
| | | *For >20 To 40, Deduct* | *-1,022.30* | |
| | | *For >40, Deduct* | *-2,175.71* | |

## 26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

## 26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0230 | EA | 10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 1,402.13 | 243.93 |
| | | *For Galvanized Finish, Add* | *27.43* | |
| | | *For >10 To 20, Deduct* | *-48.77* | |
| | | *For >20 To 40, Deduct* | *-88.39* | |
| | | *For >40, Deduct* | *-185.93* | |
| 26 56 13 00-0231 | EA | 12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 1,471.83 | 278.77 |
| | | *For Galvanized Finish, Add* | *27.43* | |
| | | *For >10 To 20, Deduct* | *-50.51* | |
| | | *For >20 To 40, Deduct* | *-91.88* | |
| | | *For >40, Deduct* | *-192.90* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0232 | EA | 14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 1,585.55 | 313.62 |
| | | *For Galvanized Finish, Add* | *28.75* | |
| | | *For >10 To 20, Deduct* | *-54.01* | |
| | | *For >20 To 40, Deduct* | *-98.44* | |
| | | *For >40, Deduct* | *-206.47* | |
| 26 56 13 00-0233 | EA | 15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 1,682.55 | 331.04 |
| | | *For Galvanized Finish, Add* | *30.61* | |
| | | *For >10 To 20, Deduct* | *-57.37* | |
| | | *For >20 To 40, Deduct* | *-104.54* | |
| | | *For >40, Deduct* | *-219.28* | |
| 26 56 13 00-0234 | EA | 16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 1,717.41 | 348.46 |
| | | *For Galvanized Finish, Add* | *30.61* | |
| | | *For >10 To 20, Deduct* | *-58.24* | |
| | | *For >20 To 40, Deduct* | *-106.28* | |
| | | *For >40, Deduct* | *-222.77* | |
| 26 56 13 00-0235 | EA | 18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 1,815.59 | 383.31 |
| | | *For Galvanized Finish, Add* | *31.47* | |
| | | *For >10 To 20, Deduct* | *-61.12* | |
| | | *For >20 To 40, Deduct* | *-111.76* | |
| | | *For >40, Deduct* | *-234.01* | |
| 26 56 13 00-0236 | EA | 20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 1,908.59 | 418.16 |
| | | *For Galvanized Finish, Add* | *32.17* | |
| | | *For >10 To 20, Deduct* | *-63.80* | |
| | | *For >20 To 40, Deduct* | *-116.88* | |
| | | *For >40, Deduct* | *-244.47* | |
| 26 56 13 00-0237 | EA | 25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 2,342.77 | 557.54 |
| | | *For Galvanized Finish, Add* | *36.83* | |
| | | *For >10 To 20, Deduct* | *-76.98* | |
| | | *For >20 To 40, Deduct* | *-141.69* | |
| | | *For >40, Deduct* | *-295.66* | |
| 26 56 13 00-0238 | EA | 20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 2,258.25 | 418.16 |
| | | *For Galvanized Finish, Add* | *42.66* | |
| | | *For >10 To 20, Deduct* | *-77.79* | |
| | | *For >20 To 40, Deduct* | *-141.35* | |
| | | *For >40, Deduct* | *-296.92* | |
| 26 56 13 00-0239 | EA | 25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 2,824.52 | 557.54 |
| | | *For Galvanized Finish, Add* | *51.28* | |
| | | *For >10 To 20, Deduct* | *-96.25* | |
| | | *For >20 To 40, Deduct* | *-175.41* | |
| | | *For >40, Deduct* | *-367.92* | |
| 26 56 13 00-0240 | EA | 30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 3,246.22 | 627.23 |
| | | *For Galvanized Finish, Add* | *59.75* | |
| | | *For >10 To 20, Deduct* | *-111.03* | |
| | | *For >20 To 40, Deduct* | *-202.15* | |
| | | *For >40, Deduct* | *-424.21* | |
| 26 56 13 00-0241 | EA | 20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 2,162.42 | 418.16 |
| | | *For Galvanized Finish, Add* | *39.78* | |
| | | *For >10 To 20, Deduct* | *-73.95* | |
| | | *For >20 To 40, Deduct* | *-134.64* | |
| | | *For >40, Deduct* | *-282.55* | |
| 26 56 13 00-0242 | EA | 25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 2,638.04 | 557.54 |
| | | *For Galvanized Finish, Add* | *45.69* | |
| | | *For >10 To 20, Deduct* | *-88.80* | |
| | | *For >20 To 40, Deduct* | *-162.36* | |
| | | *For >40, Deduct* | *-339.95* | |
| 26 56 13 00-0243 | EA | 30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 3,085.63 | 627.23 |
| | | *For Galvanized Finish, Add* | *54.94* | |
| | | *For >10 To 20, Deduct* | *-104.61* | |
| | | *For >20 To 40, Deduct* | *-190.90* | |
| | | *For >40, Deduct* | *-400.12* | |
| 26 56 13 00-0244 | EA | 20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 2,491.36 | 418.16 |
| | | *For Galvanized Finish, Add* | *49.65* | |
| | | *For >10 To 20, Deduct* | *-87.11* | |
| | | *For >20 To 40, Deduct* | *-157.67* | |
| | | *For >40, Deduct* | *-331.89* | |
| 26 56 13 00-0245 | EA | 25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 3,057.62 | 557.54 |
| | | *For Galvanized Finish, Add* | *58.28* | |
| | | *For >10 To 20, Deduct* | *-105.58* | |
| | | *For >20 To 40, Deduct* | *-191.73* | |
| | | *For >40, Deduct* | *-402.89* | |
| 26 56 13 00-0246 | EA | 30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 3,466.37 | 627.23 |
| | | *For Galvanized Finish, Add* | *66.36* | |
| | | *For >10 To 20, Deduct* | *-119.84* | |
| | | *For >20 To 40, Deduct* | *-217.56* | |
| | | *For >40, Deduct* | *-457.23* | |
| 26 56 13 00-0247 | EA | 35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 3,857.24 | 662.07 |
| | | *For Galvanized Finish, Add* | *75.99* | |
| | | *For >10 To 20, Deduct* | *-134.43* | |
| | | *For >20 To 40, Deduct* | *-243.52* | |
| | | *For >40, Deduct* | *-512.38* | |
| 26 56 13 00-0248 | EA | 30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 3,976.61 | 627.23 |
| | | *For Galvanized Finish, Add* | *81.66* | |
| | | *For >10 To 20, Deduct* | *-140.25* | |
| | | *For >20 To 40, Deduct* | *-253.27* | |
| | | *For >40, Deduct* | *-533.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0249 | EA | 35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 4,370.07 | 662.07 |
| | | *For Galvanized Finish, Add* | *91.38* | |
| | | *For >10 To 20, Deduct* | *-154.94* | |
| | | *For >20 To 40, Deduct* | *-279.42* | |
| | | *For >40, Deduct* | *-589.30* | |
| 26 56 13 00-0250 | EA | 40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base | 4,623.65 | 696.93 |
| | | *For Galvanized Finish, Add* | *96.89* | |
| | | *For >10 To 20, Deduct* | *-164.04* | |
| | | *For >20 To 40, Deduct* | *-295.78* | |
| | | *For >40, Deduct* | *-623.86* | |

## 26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

## 26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0253 | EA | 20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 5,131.17 | 418.16 |
| | | *For Galvanized Finish, Add* | *128.85* | |
| | | *For >10 To 20, Deduct* | *-192.70* | |
| | | *For >20 To 40, Deduct* | *-342.46* | |
| | | *For >40, Deduct* | *-727.86* | |
| 26 56 13 00-0254 | EA | 25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 5,701.96 | 557.54 |
| | | *For Galvanized Finish, Add* | *137.61* | |
| | | *For >10 To 20, Deduct* | *-211.35* | |
| | | *For >20 To 40, Deduct* | *-376.84* | |
| | | *For >40, Deduct* | *-799.54* | |
| 26 56 13 00-0255 | EA | 30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 8,023.21 | 627.23 |
| | | *For Galvanized Finish, Add* | *203.06* | |
| | | *For >10 To 20, Deduct* | *-302.11* | |
| | | *For >20 To 40, Deduct* | *-536.54* | |
| | | *For >40, Deduct* | *-1,140.76* | |
| 26 56 13 00-0256 | EA | 20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 5,235.86 | 418.16 |
| | | *For Galvanized Finish, Add* | *131.99* | |
| | | *For >10 To 20, Deduct* | *-196.89* | |
| | | *For >20 To 40, Deduct* | *-349.78* | |
| | | *For >40, Deduct* | *-743.56* | |
| 26 56 13 00-0257 | EA | 25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 6,310.79 | 557.54 |
| | | *For Galvanized Finish, Add* | *155.87* | |
| | | *For >10 To 20, Deduct* | *-235.71* | |
| | | *For >20 To 40, Deduct* | *-419.45* | |
| | | *For >40, Deduct* | *-890.86* | |
| 26 56 13 00-0258 | EA | 30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 8,929.56 | 627.23 |
| | | *For Galvanized Finish, Add* | *230.25* | |
| | | *For >10 To 20, Deduct* | *-338.37* | |
| | | *For >20 To 40, Deduct* | *-599.98* | |
| | | *For >40, Deduct* | *-1,276.71* | |
| 26 56 13 00-0259 | EA | 35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 10,263.75 | 662.07 |
| | | *For Galvanized Finish, Add* | *268.19* | |
| | | *For >10 To 20, Deduct* | *-390.69* | |
| | | *For >20 To 40, Deduct* | *-691.98* | |
| | | *For >40, Deduct* | *-1,473.35* | |
| 26 56 13 00-0260 | EA | 39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 12,088.30 | 696.93 |
| | | *For Galvanized Finish, Add* | *320.83* | |
| | | *For >10 To 20, Deduct* | *-462.62* | |
| | | *For >20 To 40, Deduct* | *-818.30* | |
| | | *For >40, Deduct* | *-1,743.55* | |
| 26 56 13 00-0261 | EA | 20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 4,965.88 | 418.16 |
| | | *For Galvanized Finish, Add* | *123.89* | |
| | | *For >10 To 20, Deduct* | *-186.09* | |
| | | *For >20 To 40, Deduct* | *-330.89* | |
| | | *For >40, Deduct* | *-703.07* | |
| 26 56 13 00-0262 | EA | 25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 5,437.49 | 557.54 |
| | | *For Galvanized Finish, Add* | *129.67* | |
| | | *For >10 To 20, Deduct* | *-200.77* | |
| | | *For >20 To 40, Deduct* | *-358.32* | |
| | | *For >40, Deduct* | *-759.87* | |
| 26 56 13 00-0263 | EA | 30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 7,557.63 | 627.23 |
| | | *For Galvanized Finish, Add* | *189.10* | |
| | | *For >10 To 20, Deduct* | *-283.49* | |
| | | *For >20 To 40, Deduct* | *-503.94* | |
| | | *For >40, Deduct* | *-1,070.92* | |
| 26 56 13 00-0264 | EA | 20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 5,155.97 | 418.16 |
| | | *For Galvanized Finish, Add* | *129.59* | |
| | | *For >10 To 20, Deduct* | *-193.69* | |
| | | *For >20 To 40, Deduct* | *-344.19* | |
| | | *For >40, Deduct* | *-731.58* | |
| 26 56 13 00-0265 | EA | 25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 6,062.85 | 557.54 |
| | | *For Galvanized Finish, Add* | *148.43* | |
| | | *For >10 To 20, Deduct* | *-225.79* | |
| | | *For >20 To 40, Deduct* | *-402.10* | |
| | | *For >40, Deduct* | *-853.67* | |
| 26 56 13 00-0266 | EA | 30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base | 8,585.20 | 627.23 |
| | | *For Galvanized Finish, Add* | *219.92* | |
| | | *For >10 To 20, Deduct* | *-324.59* | |
| | | *For >20 To 40, Deduct* | *-575.87* | |
| | | *For >40, Deduct* | *-1,225.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0267 | EA | 20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 5,447.98 | 418.16 |
| | | *For Galvanized Finish, Add* | *138.35* | |
| | | *For >10 To 20, Deduct* | *-205.37* | |
| | | *For >20 To 40, Deduct* | *-364.63* | |
| | | *For >40, Deduct* | *-775.38* | |
| 26 56 13 00-0268 | EA | 25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 6,589.03 | 557.54 |
| | | *For Galvanized Finish, Add* | *164.22* | |
| | | *For >10 To 20, Deduct* | *-246.84* | |
| | | *For >20 To 40, Deduct* | *-438.93* | |
| | | *For >40, Deduct* | *-932.60* | |
| 26 56 13 00-0269 | EA | 30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 9,205.05 | 627.23 |
| | | *For Galvanized Finish, Add* | *238.52* | |
| | | *For >10 To 20, Deduct* | *-349.39* | |
| | | *For >20 To 40, Deduct* | *-619.26* | |
| | | *For >40, Deduct* | *-1,318.03* | |
| 26 56 13 00-0270 | EA | 35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 10,599.85 | 662.07 |
| | | *For Galvanized Finish, Add* | *278.27* | |
| | | *For >10 To 20, Deduct* | *-404.13* | |
| | | *For >20 To 40, Deduct* | *-715.51* | |
| | | *For >40, Deduct* | *-1,523.77* | |
| 26 56 13 00-0271 | EA | 39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base | 12,267.37 | 696.93 |
| | | *For Galvanized Finish, Add* | *326.21* | |
| | | *For >10 To 20, Deduct* | *-469.79* | |
| | | *For >20 To 40, Deduct* | *-830.84* | |
| | | *For >40, Deduct* | *-1,770.41* | |

## 26 56 13 00-0272 Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

## 26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0274 | EA | 20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 3,858.91 | 418.16 |
| | | *For Galvanized Finish, Add* | *90.68* | |
| | | *For >10 To 20, Deduct* | *-141.81* | |
| | | *For >20 To 40, Deduct* | *-253.40* | |
| | | *For >40, Deduct* | *-537.02* | |
| 26 56 13 00-0275 | EA | 25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 4,671.23 | 557.54 |
| | | *For Galvanized Finish, Add* | *106.68* | |
| | | *For >10 To 20, Deduct* | *-170.12* | |
| | | *For >20 To 40, Deduct* | *-304.68* | |
| | | *For >40, Deduct* | *-644.93* | |
| 26 56 13 00-0276 | EA | 30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 5,196.53 | 627.23 |
| | | *For Galvanized Finish, Add* | *118.26* | |
| | | *For >10 To 20, Deduct* | *-189.04* | |
| | | *For >20 To 40, Deduct* | *-338.67* | |
| | | *For >40, Deduct* | *-716.76* | |
| 26 56 13 00-0277 | EA | 35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 5,776.47 | 662.07 |
| | | *For Galvanized Finish, Add* | *133.57* | |
| | | *For >10 To 20, Deduct* | *-211.20* | |
| | | *For >20 To 40, Deduct* | *-377.87* | |
| | | *For >40, Deduct* | *-800.26* | |
| 26 56 13 00-0278 | EA | 39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 6,089.63 | 696.93 |
| | | *For Galvanized Finish, Add* | *140.87* | |
| | | *For >10 To 20, Deduct* | *-222.68* | |
| | | *For >20 To 40, Deduct* | *-398.40* | |
| | | *For >40, Deduct* | *-843.75* | |
| 26 56 13 00-0279 | EA | 20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 5,021.85 | 418.16 |
| | | *For Galvanized Finish, Add* | *125.57* | |
| | | *For >10 To 20, Deduct* | *-188.33* | |
| | | *For >20 To 40, Deduct* | *-334.80* | |
| | | *For >40, Deduct* | *-711.46* | |
| 26 56 13 00-0280 | EA | 25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 5,582.93 | 557.54 |
| | | *For Galvanized Finish, Add* | *134.04* | |
| | | *For >10 To 20, Deduct* | *-206.59* | |
| | | *For >20 To 40, Deduct* | *-368.50* | |
| | | *For >40, Deduct* | *-781.69* | |
| 26 56 13 00-0281 | EA | 30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 5,942.47 | 627.23 |
| | | *For Galvanized Finish, Add* | *140.64* | |
| | | *For >10 To 20, Deduct* | *-218.88* | |
| | | *For >20 To 40, Deduct* | *-390.88* | |
| | | *For >40, Deduct* | *-828.65* | |
| 26 56 13 00-0282 | EA | 30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 6,626.24 | 627.23 |
| | | *For Galvanized Finish, Add* | *161.15* | |
| | | *For >10 To 20, Deduct* | *-246.23* | |
| | | *For >20 To 40, Deduct* | *-438.75* | |
| | | *For >40, Deduct* | *-931.21* | |
| 26 56 13 00-0283 | EA | 35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 7,188.06 | 662.07 |
| | | *For Galvanized Finish, Add* | *175.92* | |
| | | *For >10 To 20, Deduct* | *-267.66* | |
| | | *For >20 To 40, Deduct* | *-476.68* | |
| | | *For >40, Deduct* | *-1,012.00* | |
| 26 56 13 00-0284 | EA | 35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 8,035.01 | 662.07 |
| | | *For Galvanized Finish, Add* | *201.33* | |
| | | *For >10 To 20, Deduct* | *-301.54* | |
| | | *For >20 To 40, Deduct* | *-535.97* | |
| | | *For >40, Deduct* | *-1,139.04* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0285 | EA | 39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 7,296.60 | 696.93 |
| | | *For Galvanized Finish, Add* | *177.08* | |
| | | *For >10 To 20, Deduct* | *-270.96* | |
| | | *For >20 To 40, Deduct* | *-482.89* | |
| | | *For >40, Deduct* | *-1,024.80* | |
| 26 56 13 00-0286 | EA | 39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 9,381.59 | 696.93 |
| | | *For Galvanized Finish, Add* | *239.63* | |
| | | *For >10 To 20, Deduct* | *-354.36* | |
| | | *For >20 To 40, Deduct* | *-628.83* | |
| | | *For >40, Deduct* | *-1,337.55* | |
| 26 56 13 00-0287 | EA | 45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 8,592.78 | 906.00 |
| | | *For Galvanized Finish, Add* | *203.42* | |
| | | *For >10 To 20, Deduct* | *-316.53* | |
| | | *For >20 To 40, Deduct* | *-565.25* | |
| | | *For >40, Deduct* | *-1,198.32* | |
| 26 56 13 00-0288 | EA | 45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 10,014.72 | 906.00 |
| | | *For Galvanized Finish, Add* | *246.08* | |
| | | *For >10 To 20, Deduct* | *-373.41* | |
| | | *For >20 To 40, Deduct* | *-664.79* | |
| | | *For >40, Deduct* | *-1,411.61* | |
| 26 56 13 00-0289 | EA | 50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base | 10,366.01 | 1,045.39 |
| | | *For Galvanized Finish, Add* | *248.26* | |
| | | *For >10 To 20, Deduct* | *-383.28* | |
| | | *For >20 To 40, Deduct* | *-683.81* | |
| | | *For >40, Deduct* | *-1,450.36* | |

## 26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

| | | | |
|---|---|---|---|
| 26 56 13 00-0291 | EA | 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles | 91.83 |
| 26 56 13 00-0292 | EA | Extra Handhole For Steel Area Light Poles | 136.57 |
| 26 56 13 00-0293 | EA | Vibration Dampener For Steel Area Light Poles | 138.92 |

## 26 56 13 00-0294 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

## 26 56 13 00-0295 Round Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

## 26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0295)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0297 | EA | 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base | 797.31 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *37.92* | |
| | | *For Black Anodized Finish, Add* | *75.83* | |
| | | *For >10 To 20, Deduct* | *-25.62* | |
| | | *For >20 To 40, Deduct* | *-47.45* | |
| | | *For >40, Deduct* | *-98.69* | |
| 26 56 13 00-0298 | EA | 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base | 886.43 | 243.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *39.86* | |
| | | *For Black Anodized Finish, Add* | *79.72* | |
| | | *For >10 To 20, Deduct* | *-28.14* | |
| | | *For >20 To 40, Deduct* | *-52.29* | |
| | | *For >40, Deduct* | *-108.57* | |
| 26 56 13 00-0299 | EA | 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base | 980.44 | 278.77 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *42.29* | |
| | | *For Black Anodized Finish, Add* | *84.58* | |
| | | *For >10 To 20, Deduct* | *-30.85* | |
| | | *For >20 To 40, Deduct* | *-57.48* | |
| | | *For >40, Deduct* | *-119.19* | |
| 26 56 13 00-0300 | EA | 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base | 1,075.41 | 313.62 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *44.82* | |
| | | *For Black Anodized Finish, Add* | *89.64* | |
| | | *For >10 To 20, Deduct* | *-33.61* | |
| | | *For >20 To 40, Deduct* | *-62.73* | |
| | | *For >40, Deduct* | *-129.95* | |
| 26 56 13 00-0301 | EA | 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base | 1,126.77 | 331.04 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *46.47* | |
| | | *For Black Anodized Finish, Add* | *92.94* | |
| | | *For >10 To 20, Deduct* | *-35.14* | |
| | | *For >20 To 40, Deduct* | *-65.63* | |
| | | *For >40, Deduct* | *-135.91* | |
| 26 56 13 00-0302 | EA | 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base | 1,177.19 | 348.46 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *48.03* | |
| | | *For Black Anodized Finish, Add* | *96.05* | |
| | | *For >10 To 20, Deduct* | *-36.63* | |
| | | *For >20 To 40, Deduct* | *-68.46* | |
| | | *For >40, Deduct* | *-141.73* | |
| 26 56 13 00-0303 | EA | 16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base | 1,235.52 | 348.46 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *53.86* | |
| | | *For Black Anodized Finish, Add* | *107.72* | |
| | | *For >10 To 20, Deduct* | *-38.97* | |
| | | *For >20 To 40, Deduct* | *-72.55* | |
| | | *For >40, Deduct* | *-150.48* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0304 | EA | 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base | 1,342.15 | 383.31 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *57.55* | |
| | | *For Black Anodized Finish, Add* | *115.11* | |
| | | *For >10 To 20, Deduct* | *-42.19* | |
| | | *For >20 To 40, Deduct* | *-78.62* | |
| | | *For >40, Deduct* | *-162.99* | |
| 26 56 13 00-0305 | EA | 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base | 1,442.95 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *60.66* | |
| | | *For Black Anodized Finish, Add* | *121.33* | |
| | | *For >10 To 20, Deduct* | *-45.17* | |
| | | *For >20 To 40, Deduct* | *-84.28* | |
| | | *For >40, Deduct* | *-174.63* | |
| 26 56 13 00-0306 | EA | 15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base | 1,341.62 | 331.04 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *67.96* | |
| | | *For Black Anodized Finish, Add* | *135.91* | |
| | | *For >10 To 20, Deduct* | *-43.73* | |
| | | *For >20 To 40, Deduct* | *-80.67* | |
| | | *For >40, Deduct* | *-168.14* | |
| 26 56 13 00-0307 | EA | 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base | 1,657.80 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *82.15* | |
| | | *For Black Anodized Finish, Add* | *164.30* | |
| | | *For >10 To 20, Deduct* | *-53.77* | |
| | | *For >20 To 40, Deduct* | *-99.32* | |
| | | *For >40, Deduct* | *-206.85* | |
| 26 56 13 00-0308 | EA | 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base | 1,766.69 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *93.04* | |
| | | *For Black Anodized Finish, Add* | *186.08* | |
| | | *For >10 To 20, Deduct* | *-58.12* | |
| | | *For >20 To 40, Deduct* | *-106.94* | |
| | | *For >40, Deduct* | *-223.19* | |
| 26 56 13 00-0309 | EA | 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base | 2,147.54 | 557.54 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *103.25* | |
| | | *For Black Anodized Finish, Add* | *206.49* | |
| | | *For >10 To 20, Deduct* | *-69.18* | |
| | | *For >20 To 40, Deduct* | *-128.03* | |
| | | *For >40, Deduct* | *-266.38* | |
| 26 56 13 00-0310 | EA | 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base | 2,480.38 | 627.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *122.59* | |
| | | *For Black Anodized Finish, Add* | *245.18* | |
| | | *For >10 To 20, Deduct* | *-80.40* | |
| | | *For >20 To 40, Deduct* | *-148.54* | |
| | | *For >40, Deduct* | *-309.33* | |
| 26 56 13 00-0311 | EA | 20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base | 1,510.03 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *67.37* | |
| | | *For Black Anodized Finish, Add* | *134.74* | |
| | | *For >10 To 20, Deduct* | *-47.86* | |
| | | *For >20 To 40, Deduct* | *-88.98* | |
| | | *For >40, Deduct* | *-184.69* | |
| 26 56 13 00-0312 | EA | 20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base | 1,757.94 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *92.16* | |
| | | *For Black Anodized Finish, Add* | *184.33* | |
| | | *For >10 To 20, Deduct* | *-57.77* | |
| | | *For >20 To 40, Deduct* | *-106.33* | |
| | | *For >40, Deduct* | *-221.88* | |
| 26 56 13 00-0313 | EA | 25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base | 2,131.98 | 557.54 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *101.69* | |
| | | *For Black Anodized Finish, Add* | *203.38* | |
| | | *For >10 To 20, Deduct* | *-68.55* | |
| | | *For >20 To 40, Deduct* | *-126.94* | |
| | | *For >40, Deduct* | *-264.04* | |
| 26 56 13 00-0314 | EA | 25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base | 2,272.95 | 557.54 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *115.79* | |
| | | *For Black Anodized Finish, Add* | *231.57* | |
| | | *For >10 To 20, Deduct* | *-74.19* | |
| | | *For >20 To 40, Deduct* | *-136.80* | |
| | | *For >40, Deduct* | *-285.19* | |
| 26 56 13 00-0315 | EA | 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base | 2,639.82 | 627.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *138.54* | |
| | | *For Black Anodized Finish, Add* | *277.07* | |
| | | *For >10 To 20, Deduct* | *-86.78* | |
| | | *For >20 To 40, Deduct* | *-159.70* | |
| | | *For >40, Deduct* | *-333.25* | |

### 26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0295)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0317 | EA | 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 896.47 | 209.07 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *71.75* | |
| | | *For >10 To 20, Deduct* | *-29.59* | |
| | | *For >20 To 40, Deduct* | *-54.39* | |
| | | *For >40, Deduct* | *-113.56* | |
| 26 56 13 00-0318 | EA | 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,005.04 | 243.93 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *77.58* | |
| | | *For >10 To 20, Deduct* | *-32.88* | |
| | | *For >20 To 40, Deduct* | *-60.60* | |
| | | *For >40, Deduct* | *-126.36* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0319 | EA | 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,109.74 | 278.77 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *82.83* | |
| | | *For >10 To 20, Deduct* | *-36.03* | |
| | | *For >20 To 40, Deduct* | *-66.53* | |
| | | *For >40, Deduct* | *-138.58* | |
| 26 56 13 00-0320 | EA | 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,195.96 | 313.62 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *85.31* | |
| | | *For >10 To 20, Deduct* | *-38.43* | |
| | | *For >20 To 40, Deduct* | *-71.17* | |
| | | *For >40, Deduct* | *-148.03* | |
| 26 56 13 00-0321 | EA | 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,293.85 | 348.46 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *89.54* | |
| | | *For >10 To 20, Deduct* | *-41.30* | |
| | | *For >20 To 40, Deduct* | *-76.63* | |
| | | *For >40, Deduct* | *-159.23* | |
| 26 56 13 00-0322 | EA | 10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,025.46 | 243.93 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *80.64* | |
| | | *For >10 To 20, Deduct* | *-33.70* | |
| | | *For >20 To 40, Deduct* | *-62.03* | |
| | | *For >40, Deduct* | *-129.43* | |
| 26 56 13 00-0323 | EA | 12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,128.21 | 278.77 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *85.60* | |
| | | *For >10 To 20, Deduct* | *-36.77* | |
| | | *For >20 To 40, Deduct* | *-67.82* | |
| | | *For >40, Deduct* | *-141.35* | |
| 26 56 13 00-0324 | EA | 14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,233.87 | 313.62 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *91.00* | |
| | | *For >10 To 20, Deduct* | *-39.95* | |
| | | *For >20 To 40, Deduct* | *-73.83* | |
| | | *For >40, Deduct* | *-153.72* | |
| 26 56 13 00-0325 | EA | 16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,338.57 | 348.46 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *96.25* | |
| | | *For >10 To 20, Deduct* | *-43.09* | |
| | | *For >20 To 40, Deduct* | *-79.76* | |
| | | *For >40, Deduct* | *-165.94* | |
| 26 56 13 00-0326 | EA | 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,448.12 | 383.31 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *102.23* | |
| | | *For >10 To 20, Deduct* | *-46.43* | |
| | | *For >20 To 40, Deduct* | *-86.04* | |
| | | *For >40, Deduct* | *-178.89* | |
| 26 56 13 00-0327 | EA | 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,551.83 | 418.16 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *107.33* | |
| | | *For >10 To 20, Deduct* | *-49.53* | |
| | | *For >20 To 40, Deduct* | *-91.90* | |
| | | *For >40, Deduct* | *-190.96* | |
| 26 56 13 00-0328 | EA | 12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,166.12 | 278.77 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *91.29* | |
| | | *For >10 To 20, Deduct* | *-38.28* | |
| | | *For >20 To 40, Deduct* | *-70.48* | |
| | | *For >40, Deduct* | *-147.04* | |
| 26 56 13 00-0329 | EA | 14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,278.59 | 313.62 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *97.70* | |
| | | *For >10 To 20, Deduct* | *-41.74* | |
| | | *For >20 To 40, Deduct* | *-76.96* | |
| | | *For >40, Deduct* | *-160.43* | |
| 26 56 13 00-0330 | EA | 16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,390.09 | 348.46 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *103.97* | |
| | | *For >10 To 20, Deduct* | *-45.15* | |
| | | *For >20 To 40, Deduct* | *-83.37* | |
| | | *For >40, Deduct* | *-173.67* | |
| 26 56 13 00-0331 | EA | 18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,503.53 | 383.31 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *110.54* | |
| | | *For >10 To 20, Deduct* | *-48.64* | |
| | | *For >20 To 40, Deduct* | *-89.91* | |
| | | *For >40, Deduct* | *-187.20* | |
| 26 56 13 00-0332 | EA | 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,444.54 | 348.46 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *112.14* | |
| | | *For >10 To 20, Deduct* | *-47.33* | |
| | | *For >20 To 40, Deduct* | *-87.18* | |
| | | *For >40, Deduct* | *-181.83* | |
| 26 56 13 00-0333 | EA | 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,679.19 | 418.16 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *126.43* | |
| | | *For >10 To 20, Deduct* | *-54.62* | |
| | | *For >20 To 40, Deduct* | *-100.82* | |
| | | *For >40, Deduct* | *-210.06* | |
| 26 56 13 00-0334 | EA | 12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,202.10 | 278.77 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *96.68* | |
| | | *For >10 To 20, Deduct* | *-39.72* | |
| | | *For >20 To 40, Deduct* | *-73.00* | |
| | | *For >40, Deduct* | *-152.44* | |
| 26 56 13 00-0335 | EA | 14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,325.26 | 313.62 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *104.70* | |
| | | *For >10 To 20, Deduct* | *-43.60* | |
| | | *For >20 To 40, Deduct* | *-80.22* | |
| | | *For >40, Deduct* | *-167.43* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0336 | EA | 16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,438.70 | 348.46 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *111.27* | |
| | | *For >10 To 20, Deduct* | *-47.09* | |
| | | *For >20 To 40, Deduct* | *-86.77* | |
| | | *For >40, Deduct* | *-180.96* | |
| 26 56 13 00-0337 | EA | 18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,557.97 | 383.31 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *118.70* | |
| | | *For >10 To 20, Deduct* | *-50.82* | |
| | | *For >20 To 40, Deduct* | *-93.73* | |
| | | *For >40, Deduct* | *-195.36* | |
| 26 56 13 00-0338 | EA | 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,674.33 | 418.16 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *125.70* | |
| | | *For >10 To 20, Deduct* | *-54.43* | |
| | | *For >20 To 40, Deduct* | *-100.48* | |
| | | *For >40, Deduct* | *-209.33* | |
| 26 56 13 00-0339 | EA | 16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,509.67 | 348.46 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *121.91* | |
| | | *For >10 To 20, Deduct* | *-49.93* | |
| | | *For >20 To 40, Deduct* | *-91.74* | |
| | | *For >40, Deduct* | *-191.60* | |
| 26 56 13 00-0340 | EA | 18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,637.69 | 383.31 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *130.66* | |
| | | *For >10 To 20, Deduct* | *-54.01* | |
| | | *For >20 To 40, Deduct* | *-99.31* | |
| | | *For >40, Deduct* | *-207.32* | |
| 26 56 13 00-0341 | EA | 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base | 1,704.47 | 418.16 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *130.22* | |
| | | *For >10 To 20, Deduct* | *-55.63* | |
| | | *For >20 To 40, Deduct* | *-102.59* | |
| | | *For >40, Deduct* | *-213.86* | |

## 26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0295)*

Note: Includes rubberized undercoating on embedded portion.

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0343 | EA | 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial | 706.22 | 174.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *35.78* | |
| | | *For Black Anodized Finish, Add* | *71.55* | |
| | | *For >10 To 20, Deduct* | *-23.02* | |
| | | *For >20 To 40, Deduct* | *-42.47* | |
| | | *For >40, Deduct* | *-88.51* | |
| 26 56 13 00-0344 | EA | 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial | 759.54 | 191.65 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *37.62* | |
| | | *For Black Anodized Finish, Add* | *75.25* | |
| | | *For >10 To 20, Deduct* | *-24.63* | |
| | | *For >20 To 40, Deduct* | *-45.50* | |
| | | *For >40, Deduct* | *-94.77* | |
| 26 56 13 00-0345 | EA | 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial | 838.14 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *42.00* | |
| | | *For Black Anodized Finish, Add* | *84.00* | |
| | | *For >10 To 20, Deduct* | *-27.25* | |
| | | *For >20 To 40, Deduct* | *-50.31* | |
| | | *For >40, Deduct* | *-104.81* | |
| 26 56 13 00-0346 | EA | 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial | 860.50 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *44.23* | |
| | | *For Black Anodized Finish, Add* | *88.47* | |
| | | *For >10 To 20, Deduct* | *-28.15* | |
| | | *For >20 To 40, Deduct* | *-51.87* | |
| | | *For >40, Deduct* | *-108.17* | |
| 26 56 13 00-0347 | EA | 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial | 888.70 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *47.05* | |
| | | *For Black Anodized Finish, Add* | *94.11* | |
| | | *For >10 To 20, Deduct* | *-29.28* | |
| | | *For >20 To 40, Deduct* | *-53.85* | |
| | | *For >40, Deduct* | *-112.40* | |
| 26 56 13 00-0348 | EA | 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial | 1,009.09 | 226.51 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *55.61* | |
| | | *For Black Anodized Finish, Add* | *111.22* | |
| | | *For >10 To 20, Deduct* | *-33.57* | |
| | | *For >20 To 40, Deduct* | *-61.58* | |
| | | *For >40, Deduct* | *-128.71* | |
| 26 56 13 00-0349 | EA | 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial | 1,079.90 | 243.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *59.21* | |
| | | *For Black Anodized Finish, Add* | *118.41* | |
| | | *For >10 To 20, Deduct* | *-35.88* | |
| | | *For >20 To 40, Deduct* | *-65.84* | |
| | | *For >40, Deduct* | *-137.59* | |
| 26 56 13 00-0350 | EA | 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial | 1,230.59 | 243.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *74.28* | |
| | | *For Black Anodized Finish, Add* | *148.55* | |
| | | *For >10 To 20, Deduct* | *-41.91* | |
| | | *For >20 To 40, Deduct* | *-76.38* | |
| | | *For >40, Deduct* | *-160.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0351 | EA | 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial | 1,493.75 | 278.77 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *93.62* | |
| | | *For Black Anodized Finish, Add* | *187.24* | |
| | | *For >10 To 20, Deduct* | *-51.39* | |
| | | *For >20 To 40, Deduct* | *-93.41* | |
| | | *For >40, Deduct* | *-196.19* | |
| 26 56 13 00-0352 | EA | 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial | 1,693.71 | 313.62 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *106.65* | |
| | | *For Black Anodized Finish, Add* | *213.30* | |
| | | *For >10 To 20, Deduct* | *-58.34* | |
| | | *For >20 To 40, Deduct* | *-106.02* | |
| | | *For >40, Deduct* | *-222.70* | |
| 26 56 13 00-0353 | EA | 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial | 1,871.62 | 313.62 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *124.44* | |
| | | *For Black Anodized Finish, Add* | *248.88* | |
| | | *For >10 To 20, Deduct* | *-65.46* | |
| | | *For >20 To 40, Deduct* | *-118.47* | |
| | | *For >40, Deduct* | *-249.38* | |

## 26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0294)*

## 26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0354)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0356 | EA | 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base | 693.29 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *27.51* | |
| | | *For Black Anodized Finish, Add* | *55.03* | |
| | | *For >10 To 20, Deduct* | *-21.46* | |
| | | *For >20 To 40, Deduct* | *-40.17* | |
| | | *For >40, Deduct* | *-83.09* | |
| 26 56 13 00-0357 | EA | 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base | 785.33 | 243.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *29.75* | |
| | | *For Black Anodized Finish, Add* | *59.50* | |
| | | *For >10 To 20, Deduct* | *-24.10* | |
| | | *For >20 To 40, Deduct* | *-45.22* | |
| | | *For >40, Deduct* | *-93.41* | |
| 26 56 13 00-0358 | EA | 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base | 877.39 | 278.77 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *31.99* | |
| | | *For Black Anodized Finish, Add* | *63.97* | |
| | | *For >10 To 20, Deduct* | *-26.73* | |
| | | *For >20 To 40, Deduct* | *-50.27* | |
| | | *For >40, Deduct* | *-103.73* | |
| 26 56 13 00-0359 | EA | 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base | 978.19 | 313.62 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *35.10* | |
| | | *For Black Anodized Finish, Add* | *70.19* | |
| | | *For >10 To 20, Deduct* | *-29.72* | |
| | | *For >20 To 40, Deduct* | *-55.93* | |
| | | *For >40, Deduct* | *-115.37* | |
| 26 56 13 00-0360 | EA | 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,078.02 | 348.46 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *38.11* | |
| | | *For Black Anodized Finish, Add* | *76.22* | |
| | | *For >10 To 20, Deduct* | *-32.67* | |
| | | *For >20 To 40, Deduct* | *-61.52* | |
| | | *For >40, Deduct* | *-126.86* | |
| 26 56 13 00-0361 | EA | 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base | 810.60 | 243.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *32.28* | |
| | | *For Black Anodized Finish, Add* | *64.55* | |
| | | *For >10 To 20, Deduct* | *-25.11* | |
| | | *For >20 To 40, Deduct* | *-46.99* | |
| | | *For >40, Deduct* | *-97.20* | |
| 26 56 13 00-0362 | EA | 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base | 917.25 | 278.77 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *35.97* | |
| | | *For Black Anodized Finish, Add* | *71.94* | |
| | | *For >10 To 20, Deduct* | *-28.33* | |
| | | *For >20 To 40, Deduct* | *-53.06* | |
| | | *For >40, Deduct* | *-109.71* | |
| 26 56 13 00-0363 | EA | 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,020.96 | 313.62 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *39.37* | |
| | | *For Black Anodized Finish, Add* | *78.75* | |
| | | *For >10 To 20, Deduct* | *-31.43* | |
| | | *For >20 To 40, Deduct* | *-58.92* | |
| | | *For >40, Deduct* | *-121.78* | |
| 26 56 13 00-0364 | EA | 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,221.60 | 383.31 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *45.50* | |
| | | *For Black Anodized Finish, Add* | *91.00* | |
| | | *For >10 To 20, Deduct* | *-37.36* | |
| | | *For >20 To 40, Deduct* | *-70.18* | |
| | | *For >40, Deduct* | *-144.91* | |
| 26 56 13 00-0365 | EA | 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,315.59 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *47.93* | |
| | | *For Black Anodized Finish, Add* | *95.86* | |
| | | *For >10 To 20, Deduct* | *-40.08* | |
| | | *For >20 To 40, Deduct* | *-75.37* | |
| | | *For >40, Deduct* | *-155.52* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0366 | EA | 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 953.22 | 278.77 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *39.57* | |
| | | *For Black Anodized Finish, Add* | *79.14* | |
| | | *For >10 To 20, Deduct* | *-29.77* | |
| | | *For >20 To 40, Deduct* | *-55.57* | |
| | | *For >40, Deduct* | *-115.11* | |
| 26 56 13 00-0367 | EA | 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,062.77 | 313.62 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *43.55* | |
| | | *For Black Anodized Finish, Add* | *87.11* | |
| | | *For >10 To 20, Deduct* | *-33.10* | |
| | | *For >20 To 40, Deduct* | *-61.85* | |
| | | *For >40, Deduct* | *-128.05* | |
| 26 56 13 00-0368 | EA | 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,179.13 | 348.46 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *48.22* | |
| | | *For Black Anodized Finish, Add* | *96.44* | |
| | | *For >10 To 20, Deduct* | *-36.71* | |
| | | *For >20 To 40, Deduct* | *-68.60* | |
| | | *For >40, Deduct* | *-142.02* | |
| 26 56 13 00-0369 | EA | 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,277.99 | 383.31 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *51.14* | |
| | | *For Black Anodized Finish, Add* | *102.27* | |
| | | *For >10 To 20, Deduct* | *-39.62* | |
| | | *For >20 To 40, Deduct* | *-74.13* | |
| | | *For >40, Deduct* | *-153.37* | |
| 26 56 13 00-0370 | EA | 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,390.45 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *55.41* | |
| | | *For Black Anodized Finish, Add* | *110.83* | |
| | | *For >10 To 20, Deduct* | *-43.07* | |
| | | *For >20 To 40, Deduct* | *-80.61* | |
| | | *For >40, Deduct* | *-166.75* | |
| 26 56 13 00-0371 | EA | 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,274.40 | 348.46 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *57.75* | |
| | | *For Black Anodized Finish, Add* | *115.49* | |
| | | *For >10 To 20, Deduct* | *-40.52* | |
| | | *For >20 To 40, Deduct* | *-75.27* | |
| | | *For >40, Deduct* | *-156.31* | |
| 26 56 13 00-0372 | EA | 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,399.51 | 383.31 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *63.29* | |
| | | *For Black Anodized Finish, Add* | *126.58* | |
| | | *For >10 To 20, Deduct* | *-44.48* | |
| | | *For >20 To 40, Deduct* | *-82.63* | |
| | | *For >40, Deduct* | *-171.60* | |
| 26 56 13 00-0373 | EA | 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,484.75 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *64.84* | |
| | | *For Black Anodized Finish, Add* | *129.69* | |
| | | *For >10 To 20, Deduct* | *-46.85* | |
| | | *For >20 To 40, Deduct* | *-87.21* | |
| | | *For >40, Deduct* | *-180.90* | |
| 26 56 13 00-0374 | EA | 23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,710.67 | 487.84 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *73.50* | |
| | | *For Black Anodized Finish, Add* | *146.99* | |
| | | *For >10 To 20, Deduct* | *-53.79* | |
| | | *For >20 To 40, Deduct* | *-100.23* | |
| | | *For >40, Deduct* | *-207.82* | |
| 26 56 13 00-0375 | EA | 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,942.41 | 557.54 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *82.73* | |
| | | *For Black Anodized Finish, Add* | *165.47* | |
| | | *For >10 To 20, Deduct* | *-60.97* | |
| | | *For >20 To 40, Deduct* | *-113.67* | |
| | | *For >40, Deduct* | *-235.61* | |
| 26 56 13 00-0376 | EA | 18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,494.78 | 383.31 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *72.82* | |
| | | *For Black Anodized Finish, Add* | *145.63* | |
| | | *For >10 To 20, Deduct* | *-48.29* | |
| | | *For >20 To 40, Deduct* | *-89.30* | |
| | | *For >40, Deduct* | *-185.89* | |
| 26 56 13 00-0377 | EA | 20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,600.44 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *76.41* | |
| | | *For Black Anodized Finish, Add* | *152.83* | |
| | | *For >10 To 20, Deduct* | *-51.47* | |
| | | *For >20 To 40, Deduct* | *-95.30* | |
| | | *For >40, Deduct* | *-198.25* | |
| 26 56 13 00-0378 | EA | 23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,802.05 | 487.84 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *82.64* | |
| | | *For Black Anodized Finish, Add* | *165.27* | |
| | | *For >10 To 20, Deduct* | *-57.45* | |
| | | *For >20 To 40, Deduct* | *-106.63* | |
| | | *For >40, Deduct* | *-221.52* | |
| 26 56 13 00-0379 | EA | 25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,012.40 | 557.54 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *89.73* | |
| | | *For Black Anodized Finish, Add* | *179.46* | |
| | | *For >10 To 20, Deduct* | *-63.77* | |
| | | *For >20 To 40, Deduct* | *-118.57* | |
| | | *For >40, Deduct* | *-246.11* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0380 | EA | 28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,160.84 | 592.39 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *97.61* | |
| | | *For Black Anodized Finish, Add* | *195.21* | |
| | | *For >10 To 20, Deduct* | *-68.66* | |
| | | *For >20 To 40, Deduct* | *-127.56* | |
| | | *For >40, Deduct* | *-264.89* | |
| 26 56 13 00-0381 | EA | 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,311.22 | 627.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *105.68* | |
| | | *For Black Anodized Finish, Add* | *211.35* | |
| | | *For >10 To 20, Deduct* | *-73.63* | |
| | | *For >20 To 40, Deduct* | *-136.70* | |
| | | *For >40, Deduct* | *-283.96* | |
| 26 56 13 00-0382 | EA | 23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,892.47 | 487.84 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *91.68* | |
| | | *For Black Anodized Finish, Add* | *183.35* | |
| | | *For >10 To 20, Deduct* | *-61.06* | |
| | | *For >20 To 40, Deduct* | *-112.96* | |
| | | *For >40, Deduct* | *-235.09* | |
| 26 56 13 00-0383 | EA | 25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,072.68 | 557.54 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *95.76* | |
| | | *For Black Anodized Finish, Add* | *191.52* | |
| | | *For >10 To 20, Deduct* | *-66.18* | |
| | | *For >20 To 40, Deduct* | *-122.79* | |
| | | *For >40, Deduct* | *-255.15* | |
| 26 56 13 00-0384 | EA | 28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,225.97 | 592.39 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *104.12* | |
| | | *For Black Anodized Finish, Add* | *208.24* | |
| | | *For >10 To 20, Deduct* | *-71.27* | |
| | | *For >20 To 40, Deduct* | *-132.12* | |
| | | *For >40, Deduct* | *-274.66* | |
| 26 56 13 00-0385 | EA | 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,412.33 | 627.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *115.79* | |
| | | *For Black Anodized Finish, Add* | *231.57* | |
| | | *For >10 To 20, Deduct* | *-77.68* | |
| | | *For >20 To 40, Deduct* | *-143.77* | |
| | | *For >40, Deduct* | *-299.13* | |
| 26 56 13 00-0386 | EA | 33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,490.92 | 644.65 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *120.16* | |
| | | *For Black Anodized Finish, Add* | *240.32* | |
| | | *For >10 To 20, Deduct* | *-80.30* | |
| | | *For >20 To 40, Deduct* | *-148.58* | |
| | | *For >40, Deduct* | *-309.17* | |
| 26 56 13 00-0387 | EA | 35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,643.41 | 662.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *131.93* | |
| | | *For Black Anodized Finish, Add* | *263.85* | |
| | | *For >10 To 20, Deduct* | *-85.87* | |
| | | *For >20 To 40, Deduct* | *-158.56* | |
| | | *For >40, Deduct* | *-330.30* | |
| 26 56 13 00-0388 | EA | 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 993.08 | 278.77 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *43.55* | |
| | | *For Black Anodized Finish, Add* | *87.11* | |
| | | *For >10 To 20, Deduct* | *-31.36* | |
| | | *For >20 To 40, Deduct* | *-58.36* | |
| | | *For >40, Deduct* | *-121.09* | |
| 26 56 13 00-0389 | EA | 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,109.43 | 313.62 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *48.22* | |
| | | *For Black Anodized Finish, Add* | *96.44* | |
| | | *For >10 To 20, Deduct* | *-34.97* | |
| | | *For >20 To 40, Deduct* | *-65.12* | |
| | | *For >40, Deduct* | *-135.05* | |
| 26 56 13 00-0390 | EA | 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,229.68 | 348.46 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *53.28* | |
| | | *For Black Anodized Finish, Add* | *106.55* | |
| | | *For >10 To 20, Deduct* | *-38.73* | |
| | | *For >20 To 40, Deduct* | *-72.14* | |
| | | *For >40, Deduct* | *-149.61* | |
| 26 56 13 00-0391 | EA | 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,339.23 | 383.31 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *57.26* | |
| | | *For Black Anodized Finish, Add* | *114.52* | |
| | | *For >10 To 20, Deduct* | *-42.07* | |
| | | *For >20 To 40, Deduct* | *-78.41* | |
| | | *For >40, Deduct* | *-162.55* | |
| 26 56 13 00-0392 | EA | 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,447.81 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *61.15* | |
| | | *For Black Anodized Finish, Add* | *122.30* | |
| | | *For >10 To 20, Deduct* | *-45.37* | |
| | | *For >20 To 40, Deduct* | *-84.62* | |
| | | *For >40, Deduct* | *-175.36* | |
| 26 56 13 00-0393 | EA | 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,335.65 | 348.46 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *63.87* | |
| | | *For Black Anodized Finish, Add* | *127.74* | |
| | | *For >10 To 20, Deduct* | *-42.97* | |
| | | *For >20 To 40, Deduct* | *-79.56* | |
| | | *For >40, Deduct* | *-165.50* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0394 | EA | 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,463.67 | 383.31 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *69.71* | |
| | | *For Black Anodized Finish, Add* | *139.41* | |
| | | *For >10 To 20, Deduct* | *-47.05* | |
| | | *For >20 To 40, Deduct* | *-87.12* | |
| | | *For >40, Deduct* | *-181.22* | |
| 26 56 13 00-0395 | EA | 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,561.56 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *72.53* | |
| | | *For Black Anodized Finish, Add* | *145.05* | |
| | | *For >10 To 20, Deduct* | *-49.92* | |
| | | *For >20 To 40, Deduct* | *-92.58* | |
| | | *For >40, Deduct* | *-192.42* | |
| 26 56 13 00-0396 | EA | 23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 1,782.61 | 487.84 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *80.69* | |
| | | *For Black Anodized Finish, Add* | *161.38* | |
| | | *For >10 To 20, Deduct* | *-56.67* | |
| | | *For >20 To 40, Deduct* | *-105.27* | |
| | | *For >40, Deduct* | *-218.61* | |
| 26 56 13 00-0397 | EA | 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,009.49 | 557.54 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *89.44* | |
| | | *For Black Anodized Finish, Add* | *178.88* | |
| | | *For >10 To 20, Deduct* | *-63.65* | |
| | | *For >20 To 40, Deduct* | *-118.36* | |
| | | *For >40, Deduct* | *-245.67* | |
| 26 56 13 00-0398 | EA | 23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,002.32 | 487.84 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *102.66* | |
| | | *For Black Anodized Finish, Add* | *205.32* | |
| | | *For >10 To 20, Deduct* | *-65.46* | |
| | | *For >20 To 40, Deduct* | *-120.65* | |
| | | *For >40, Deduct* | *-251.56* | |
| 26 56 13 00-0399 | EA | 25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,218.50 | 557.54 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *110.34* | |
| | | *For Black Anodized Finish, Add* | *220.68* | |
| | | *For >10 To 20, Deduct* | *-72.01* | |
| | | *For >20 To 40, Deduct* | *-132.99* | |
| | | *For >40, Deduct* | *-277.02* | |
| 26 56 13 00-0400 | EA | 28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,383.47 | 592.39 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *119.87* | |
| | | *For Black Anodized Finish, Add* | *239.74* | |
| | | *For >10 To 20, Deduct* | *-77.57* | |
| | | *For >20 To 40, Deduct* | *-143.15* | |
| | | *For >40, Deduct* | *-298.28* | |
| 26 56 13 00-0401 | EA | 30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,531.90 | 627.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *127.74* | |
| | | *For Black Anodized Finish, Add* | *255.49* | |
| | | *For >10 To 20, Deduct* | *-82.46* | |
| | | *For >20 To 40, Deduct* | *-152.14* | |
| | | *For >40, Deduct* | *-317.06* | |
| 26 56 13 00-0402 | EA | 33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,661.06 | 644.65 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *137.18* | |
| | | *For Black Anodized Finish, Add* | *274.35* | |
| | | *For >10 To 20, Deduct* | *-87.10* | |
| | | *For >20 To 40, Deduct* | *-160.49* | |
| | | *For >40, Deduct* | *-334.69* | |
| 26 56 13 00-0403 | EA | 35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,774.65 | 662.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *145.05* | |
| | | *For Black Anodized Finish, Add* | *290.10* | |
| | | *For >10 To 20, Deduct* | *-91.12* | |
| | | *For >20 To 40, Deduct* | *-167.74* | |
| | | *For >40, Deduct* | *-349.99* | |
| 26 56 13 00-0404 | EA | 37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,872.68 | 679.51 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *151.37* | |
| | | *For Black Anodized Finish, Add* | *302.74* | |
| | | *For >10 To 20, Deduct* | *-94.52* | |
| | | *For >20 To 40, Deduct* | *-173.91* | |
| | | *For >40, Deduct* | *-362.95* | |
| 26 56 13 00-0405 | EA | 39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,043.64 | 696.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *164.98* | |
| | | *For Black Anodized Finish, Add* | *329.96* | |
| | | *For >10 To 20, Deduct* | *-100.84* | |
| | | *For >20 To 40, Deduct* | *-185.18* | |
| | | *For >40, Deduct* | *-386.85* | |
| 26 56 13 00-0406 | EA | 28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,803.45 | 592.39 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *161.87* | |
| | | *For Black Anodized Finish, Add* | *323.74* | |
| | | *For >10 To 20, Deduct* | *-94.37* | |
| | | *For >20 To 40, Deduct* | *-172.55* | |
| | | *For >40, Deduct* | *-361.28* | |
| 26 56 13 00-0407 | EA | 30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,017.99 | 627.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *176.35* | |
| | | *For Black Anodized Finish, Add* | *352.71* | |
| | | *For >10 To 20, Deduct* | *-101.90* | |
| | | *For >20 To 40, Deduct* | *-186.17* | |
| | | *For >40, Deduct* | *-389.98* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0408 | EA | 33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,166.59 | 644.65 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *187.73* | |
| | | *For Black Anodized Finish, Add* | *375.46* | |
| | | *For >10 To 20, Deduct* | *-107.32* | |
| | | *For >20 To 40, Deduct* | *-195.88* | |
| | | *For >40, Deduct* | *-410.52* | |
| 26 56 13 00-0409 | EA | 35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,281.16 | 662.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *195.70* | |
| | | *For Black Anodized Finish, Add* | *391.40* | |
| | | *For >10 To 20, Deduct* | *-111.38* | |
| | | *For >20 To 40, Deduct* | *-203.20* | |
| | | *For >40, Deduct* | *-425.97* | |
| 26 56 13 00-0410 | EA | 37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,348.08 | 679.51 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *198.91* | |
| | | *For Black Anodized Finish, Add* | *397.82* | |
| | | *For >10 To 20, Deduct* | *-113.54* | |
| | | *For >20 To 40, Deduct* | *-207.19* | |
| | | *For >40, Deduct* | *-434.26* | |
| 26 56 13 00-0411 | EA | 39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,535.56 | 696.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *214.17* | |
| | | *For Black Anodized Finish, Add* | *428.34* | |
| | | *For >10 To 20, Deduct* | *-120.51* | |
| | | *For >20 To 40, Deduct* | *-219.61* | |
| | | *For >40, Deduct* | *-460.64* | |
| 26 56 13 00-0412 | EA | 28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,670.26 | 592.39 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *148.55* | |
| | | *For Black Anodized Finish, Add* | *297.10* | |
| | | *For >10 To 20, Deduct* | *-89.04* | |
| | | *For >20 To 40, Deduct* | *-163.22* | |
| | | *For >40, Deduct* | *-341.30* | |
| 26 56 13 00-0413 | EA | 30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,867.31 | 627.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *161.29* | |
| | | *For Black Anodized Finish, Add* | *322.57* | |
| | | *For >10 To 20, Deduct* | *-95.88* | |
| | | *For >20 To 40, Deduct* | *-175.62* | |
| | | *For >40, Deduct* | *-367.37* | |
| 26 56 13 00-0414 | EA | 33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 2,945.90 | 644.65 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *165.66* | |
| | | *For Black Anodized Finish, Add* | *331.32* | |
| | | *For >10 To 20, Deduct* | *-98.50* | |
| | | *For >20 To 40, Deduct* | *-180.43* | |
| | | *For >40, Deduct* | *-377.42* | |
| 26 56 13 00-0415 | EA | 35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,136.30 | 662.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *181.21* | |
| | | *For Black Anodized Finish, Add* | *362.43* | |
| | | *For >10 To 20, Deduct* | *-105.59* | |
| | | *For >20 To 40, Deduct* | *-193.06* | |
| | | *For >40, Deduct* | *-404.24* | |
| 26 56 13 00-0416 | EA | 37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,233.36 | 679.51 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *187.44* | |
| | | *For Black Anodized Finish, Add* | *374.87* | |
| | | *For >10 To 20, Deduct* | *-108.95* | |
| | | *For >20 To 40, Deduct* | *-199.16* | |
| | | *For >40, Deduct* | *-417.05* | |
| 26 56 13 00-0417 | EA | 39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,421.82 | 696.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *202.80* | |
| | | *For Black Anodized Finish, Add* | *405.59* | |
| | | *For >10 To 20, Deduct* | *-115.97* | |
| | | *For >20 To 40, Deduct* | *-211.65* | |
| | | *For >40, Deduct* | *-443.58* | |
| 26 56 13 00-0418 | EA | 28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,278.85 | 592.39 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *209.41* | |
| | | *For Black Anodized Finish, Add* | *418.82* | |
| | | *For >10 To 20, Deduct* | *-113.38* | |
| | | *For >20 To 40, Deduct* | *-205.82* | |
| | | *For >40, Deduct* | *-432.59* | |
| 26 56 13 00-0419 | EA | 30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,467.14 | 627.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *221.27* | |
| | | *For Black Anodized Finish, Add* | *442.54* | |
| | | *For >10 To 20, Deduct* | *-119.87* | |
| | | *For >20 To 40, Deduct* | *-217.61* | |
| | | *For >40, Deduct* | *-457.35* | |
| 26 56 13 00-0420 | EA | 33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,617.68 | 644.65 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *232.84* | |
| | | *For Black Anodized Finish, Add* | *465.67* | |
| | | *For >10 To 20, Deduct* | *-125.37* | |
| | | *For >20 To 40, Deduct* | *-227.45* | |
| | | *For >40, Deduct* | *-478.19* | |
| 26 56 13 00-0421 | EA | 35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,846.97 | 662.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *252.28* | |
| | | *For Black Anodized Finish, Add* | *504.56* | |
| | | *For >10 To 20, Deduct* | *-134.02* | |
| | | *For >20 To 40, Deduct* | *-242.80* | |
| | | *For >40, Deduct* | *-510.84* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0422 | EA | 37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 3,903.20 | 679.51 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *254.42* | |
| | | *For Black Anodized Finish, Add* | *508.84* | |
| | | *For >10 To 20, Deduct* | *-135.74* | |
| | | *For >20 To 40, Deduct* | *-246.04* | |
| | | *For >40, Deduct* | *-517.53* | |
| 26 56 13 00-0423 | EA | 39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 4,131.51 | 696.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *273.77* | |
| | | *For Black Anodized Finish, Add* | *547.53* | |
| | | *For >10 To 20, Deduct* | *-144.35* | |
| | | *For >20 To 40, Deduct* | *-261.33* | |
| | | *For >40, Deduct* | *-550.03* | |
| 26 56 13 00-0424 | EA | 48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 5,278.55 | 1,045.39 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *318.78* | |
| | | *For Black Anodized Finish, Add* | *637.56* | |
| | | *For >10 To 20, Deduct* | *-179.78* | |
| | | *For >20 To 40, Deduct* | *-327.68* | |
| | | *For >40, Deduct* | *-687.24* | |
| 26 56 13 00-0425 | EA | 50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base | 5,399.10 | 1,045.39 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *330.83* | |
| | | *For Black Anodized Finish, Add* | *661.67* | |
| | | *For >10 To 20, Deduct* | *-184.60* | |
| | | *For >20 To 40, Deduct* | *-336.12* | |
| | | *For >40, Deduct* | *-705.33* | |

## 26 56 13 00-0426 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0354)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0427 | EA | 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 902.31 | 209.07 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *72.62* | |
| | | *For >10 To 20, Deduct* | *-29.82* | |
| | | *For >20 To 40, Deduct* | *-54.80* | |
| | | *For >40, Deduct* | *-114.44* | |
| 26 56 13 00-0428 | EA | 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 992.40 | 243.93 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *75.68* | |
| | | *For >10 To 20, Deduct* | *-32.38* | |
| | | *For >20 To 40, Deduct* | *-59.71* | |
| | | *For >40, Deduct* | *-124.47* | |
| 26 56 13 00-0429 | EA | 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,083.49 | 278.77 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *78.89* | |
| | | *For >10 To 20, Deduct* | *-34.98* | |
| | | *For >20 To 40, Deduct* | *-64.69* | |
| | | *For >40, Deduct* | *-134.65* | |
| 26 56 13 00-0430 | EA | 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,176.51 | 313.62 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *82.39* | |
| | | *For >10 To 20, Deduct* | *-37.65* | |
| | | *For >20 To 40, Deduct* | *-69.81* | |
| | | *For >40, Deduct* | *-145.12* | |
| 26 56 13 00-0431 | EA | 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,268.57 | 348.46 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *85.75* | |
| | | *For >10 To 20, Deduct* | *-40.29* | |
| | | *For >20 To 40, Deduct* | *-74.86* | |
| | | *For >40, Deduct* | *-155.44* | |
| 26 56 13 00-0432 | EA | 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,004.07 | 243.93 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *77.43* | |
| | | *For >10 To 20, Deduct* | *-32.85* | |
| | | *For >20 To 40, Deduct* | *-60.53* | |
| | | *For >40, Deduct* | *-126.22* | |
| 26 56 13 00-0433 | EA | 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,097.10 | 278.77 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *80.93* | |
| | | *For >10 To 20, Deduct* | *-35.52* | |
| | | *For >20 To 40, Deduct* | *-65.65* | |
| | | *For >40, Deduct* | *-136.69* | |
| 26 56 13 00-0434 | EA | 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,192.07 | 313.62 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *84.73* | |
| | | *For >10 To 20, Deduct* | *-38.27* | |
| | | *For >20 To 40, Deduct* | *-70.90* | |
| | | *For >40, Deduct* | *-147.45* | |
| 26 56 13 00-0435 | EA | 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,286.07 | 348.46 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *88.37* | |
| | | *For >10 To 20, Deduct* | *-40.99* | |
| | | *For >20 To 40, Deduct* | *-76.09* | |
| | | *For >40, Deduct* | *-158.06* | |
| 26 56 13 00-0436 | EA | 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,392.70 | 383.31 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *93.91* | |
| | | *For >10 To 20, Deduct* | *-44.21* | |
| | | *For >20 To 40, Deduct* | *-82.16* | |
| | | *For >40, Deduct* | *-170.57* | |
| 26 56 13 00-0437 | EA | 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,490.59 | 418.16 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *98.14* | |
| | | *For >10 To 20, Deduct* | *-47.08* | |
| | | *For >20 To 40, Deduct* | *-87.62* | |
| | | *For >40, Deduct* | *-181.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0438 | EA | 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,135.01 | 278.77 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *86.62* | |
| | | *For >10 To 20, Deduct* | *-37.04* | |
| | | *For >20 To 40, Deduct* | *-68.30* | |
| | | *For >40, Deduct* | *-142.37* | |
| 26 56 13 00-0439 | EA | 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,234.84 | 313.62 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *91.14* | |
| | | *For >10 To 20, Deduct* | *-39.99* | |
| | | *For >20 To 40, Deduct* | *-73.89* | |
| | | *For >40, Deduct* | *-153.86* | |
| 26 56 13 00-0440 | EA | 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,346.35 | 348.46 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *97.41* | |
| | | *For >10 To 20, Deduct* | *-43.40* | |
| | | *For >20 To 40, Deduct* | *-80.31* | |
| | | *For >40, Deduct* | *-167.11* | |
| 26 56 13 00-0441 | EA | 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,448.12 | 383.31 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *102.23* | |
| | | *For >10 To 20, Deduct* | *-46.43* | |
| | | *For >20 To 40, Deduct* | *-86.04* | |
| | | *For >40, Deduct* | *-178.89* | |
| 26 56 13 00-0442 | EA | 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,562.53 | 418.16 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *108.93* | |
| | | *For >10 To 20, Deduct* | *-49.96* | |
| | | *For >20 To 40, Deduct* | *-92.65* | |
| | | *For >40, Deduct* | *-192.56* | |
| 26 56 13 00-0443 | EA | 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,401.76 | 348.46 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *105.72* | |
| | | *For >10 To 20, Deduct* | *-45.62* | |
| | | *For >20 To 40, Deduct* | *-84.18* | |
| | | *For >40, Deduct* | *-175.42* | |
| 26 56 13 00-0444 | EA | 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,522.98 | 383.31 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *113.45* | |
| | | *For >10 To 20, Deduct* | *-49.42* | |
| | | *For >20 To 40, Deduct* | *-91.28* | |
| | | *For >40, Deduct* | *-190.12* | |
| 26 56 13 00-0445 | EA | 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,622.80 | 418.16 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *117.97* | |
| | | *For >10 To 20, Deduct* | *-52.37* | |
| | | *For >20 To 40, Deduct* | *-96.87* | |
| | | *For >40, Deduct* | *-201.60* | |
| 26 56 13 00-0446 | EA | 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,165.15 | 278.77 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *91.14* | |
| | | *For >10 To 20, Deduct* | *-38.24* | |
| | | *For >20 To 40, Deduct* | *-70.41* | |
| | | *For >40, Deduct* | *-146.90* | |
| 26 56 13 00-0447 | EA | 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,280.53 | 313.62 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *98.00* | |
| | | *For >10 To 20, Deduct* | *-41.81* | |
| | | *For >20 To 40, Deduct* | *-77.09* | |
| | | *For >40, Deduct* | *-160.72* | |
| 26 56 13 00-0448 | EA | 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,401.76 | 348.46 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *105.72* | |
| | | *For >10 To 20, Deduct* | *-45.62* | |
| | | *For >20 To 40, Deduct* | *-84.18* | |
| | | *For >40, Deduct* | *-175.42* | |
| 26 56 13 00-0449 | EA | 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,511.31 | 383.31 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *111.70* | |
| | | *For >10 To 20, Deduct* | *-48.95* | |
| | | *For >20 To 40, Deduct* | *-90.46* | |
| | | *For >40, Deduct* | *-188.37* | |
| 26 56 13 00-0450 | EA | 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,627.66 | 418.16 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *118.70* | |
| | | *For >10 To 20, Deduct* | *-52.56* | |
| | | *For >20 To 40, Deduct* | *-97.21* | |
| | | *For >40, Deduct* | *-202.33* | |
| 26 56 13 00-0451 | EA | 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,464.95 | 348.46 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *115.20* | |
| | | *For >10 To 20, Deduct* | *-48.14* | |
| | | *For >20 To 40, Deduct* | *-88.61* | |
| | | *For >40, Deduct* | *-184.90* | |
| 26 56 13 00-0452 | EA | 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,593.95 | 383.31 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *124.10* | |
| | | *For >10 To 20, Deduct* | *-52.26* | |
| | | *For >20 To 40, Deduct* | *-96.24* | |
| | | *For >40, Deduct* | *-200.76* | |
| 26 56 13 00-0453 | EA | 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base | 1,698.63 | 418.16 |
| | | *For Bronze, Satin Or Black Anodized Finish, Add* | *129.35* | |
| | | *For >10 To 20, Deduct* | *-55.40* | |
| | | *For >20 To 40, Deduct* | *-102.18* | |
| | | *For >40, Deduct* | *-212.98* | |

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0354)*
Note: Includes rubberized undercoating on embedded portion.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0455 | EA | 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial | 636.23 | 174.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *28.78* | |
| | | *For Black Anodized Finish, Add* | *57.55* | |
| | | *For >10 To 20, Deduct* | *-20.22* | |
| | | *For >20 To 40, Deduct* | *-37.57* | |
| | | *For >40, Deduct* | *-78.01* | |
| 26 56 13 00-0456 | EA | 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial | 663.45 | 174.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *31.50* | |
| | | *For Black Anodized Finish, Add* | *63.00* | |
| | | *For >10 To 20, Deduct* | *-21.31* | |
| | | *For >20 To 40, Deduct* | *-39.47* | |
| | | *For >40, Deduct* | *-82.09* | |
| 26 56 13 00-0457 | EA | 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial | 720.66 | 191.65 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *33.74* | |
| | | *For Black Anodized Finish, Add* | *67.47* | |
| | | *For >10 To 20, Deduct* | *-23.08* | |
| | | *For >20 To 40, Deduct* | *-42.78* | |
| | | *For >40, Deduct* | *-88.93* | |
| 26 56 13 00-0458 | EA | 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial | 771.06 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *35.29* | |
| | | *For Black Anodized Finish, Add* | *70.58* | |
| | | *For >10 To 20, Deduct* | *-24.57* | |
| | | *For >20 To 40, Deduct* | *-45.61* | |
| | | *For >40, Deduct* | *-94.75* | |
| 26 56 13 00-0459 | EA | 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial | 806.06 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *38.79* | |
| | | *For Black Anodized Finish, Add* | *77.58* | |
| | | *For >10 To 20, Deduct* | *-25.97* | |
| | | *For >20 To 40, Deduct* | *-48.06* | |
| | | *For >40, Deduct* | *-100.00* | |
| 26 56 13 00-0460 | EA | 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial | 746.91 | 191.65 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *36.36* | |
| | | *For Black Anodized Finish, Add* | *72.72* | |
| | | *For >10 To 20, Deduct* | *-24.13* | |
| | | *For >20 To 40, Deduct* | *-44.62* | |
| | | *For >40, Deduct* | *-92.87* | |
| 26 56 13 00-0461 | EA | 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial | 808.98 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *39.08* | |
| | | *For Black Anodized Finish, Add* | *78.16* | |
| | | *For >10 To 20, Deduct* | *-26.09* | |
| | | *For >20 To 40, Deduct* | *-48.27* | |
| | | *For >40, Deduct* | *-100.44* | |
| 26 56 13 00-0462 | EA | 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial | 828.42 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *41.03* | |
| | | *For Black Anodized Finish, Add* | *82.05* | |
| | | *For >10 To 20, Deduct* | *-26.86* | |
| | | *For >20 To 40, Deduct* | *-49.63* | |
| | | *For >40, Deduct* | *-103.36* | |
| 26 56 13 00-0463 | EA | 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial | 894.37 | 226.51 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *44.14* | |
| | | *For Black Anodized Finish, Add* | *88.27* | |
| | | *For >10 To 20, Deduct* | *-28.98* | |
| | | *For >20 To 40, Deduct* | *-53.55* | |
| | | *For >40, Deduct* | *-111.51* | |
| 26 56 13 00-0464 | EA | 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial | 956.43 | 243.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *46.86* | |
| | | *For Black Anodized Finish, Add* | *93.72* | |
| | | *For >10 To 20, Deduct* | *-30.94* | |
| | | *For >20 To 40, Deduct* | *-57.19* | |
| | | *For >40, Deduct* | *-119.07* | |
| 26 56 13 00-0465 | EA | 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial | 884.81 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *46.67* | |
| | | *For Black Anodized Finish, Add* | *93.33* | |
| | | *For >10 To 20, Deduct* | *-29.12* | |
| | | *For >20 To 40, Deduct* | *-53.57* | |
| | | *For >40, Deduct* | *-111.81* | |
| 26 56 13 00-0466 | EA | 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial | 956.59 | 226.51 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *50.36* | |
| | | *For Black Anodized Finish, Add* | *100.72* | |
| | | *For >10 To 20, Deduct* | *-31.47* | |
| | | *For >20 To 40, Deduct* | *-57.90* | |
| | | *For >40, Deduct* | *-120.84* | |
| 26 56 13 00-0467 | EA | 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial | 1,023.51 | 243.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *53.57* | |
| | | *For Black Anodized Finish, Add* | *107.13* | |
| | | *For >10 To 20, Deduct* | *-33.62* | |
| | | *For >20 To 40, Deduct* | *-61.89* | |
| | | *For >40, Deduct* | *-129.13* | |
| 26 56 13 00-0468 | EA | 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial | 1,036.31 | 226.51 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *58.33* | |
| | | *For Black Anodized Finish, Add* | *116.66* | |
| | | *For >10 To 20, Deduct* | *-34.66* | |
| | | *For >20 To 40, Deduct* | *-63.48* | |
| | | *For >40, Deduct* | *-132.80* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0469 | EA | 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial | 1,322.65 | 278.77 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *76.51* | |
| | | *For Black Anodized Finish, Add* | *153.02* | |
| | | *For >10 To 20, Deduct* | *-44.54* | |
| | | *For >20 To 40, Deduct* | *-81.43* | |
| | | *For >40, Deduct* | *-170.52* | |
| 26 56 13 00-0470 | EA | 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial | 1,432.50 | 278.77 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *87.50* | |
| | | *For Black Anodized Finish, Add* | *174.99* | |
| | | *For >10 To 20, Deduct* | *-48.94* | |
| | | *For >20 To 40, Deduct* | *-89.12* | |
| | | *For >40, Deduct* | *-187.00* | |
| 26 56 13 00-0471 | EA | 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial | 1,596.49 | 313.62 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *96.93* | |
| | | *For Black Anodized Finish, Add* | *193.85* | |
| | | *For >10 To 20, Deduct* | *-54.45* | |
| | | *For >20 To 40, Deduct* | *-99.21* | |
| | | *For >40, Deduct* | *-208.11* | |
| 26 56 13 00-0472 | EA | 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial | 1,716.07 | 313.62 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *108.88* | |
| | | *For Black Anodized Finish, Add* | *217.77* | |
| | | *For >10 To 20, Deduct* | *-59.23* | |
| | | *For >20 To 40, Deduct* | *-107.58* | |
| | | *For >40, Deduct* | *-226.05* | |

## 26 56 13 00-0473 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

## 26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0473)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0475 | EA | 8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base | 819.67 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *40.15* | |
| | | *For Black Anodized Finish, Add* | *80.30* | |
| | | *For >10 To 20, Deduct* | *-26.51* | |
| | | *For >20 To 40, Deduct* | *-49.01* | |
| | | *For >40, Deduct* | *-102.04* | |
| 26 56 13 00-0476 | EA | 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base | 909.77 | 243.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *42.19* | |
| | | *For Black Anodized Finish, Add* | *84.39* | |
| | | *For >10 To 20, Deduct* | *-29.07* | |
| | | *For >20 To 40, Deduct* | *-53.93* | |
| | | *For >40, Deduct* | *-112.07* | |
| 26 56 13 00-0477 | EA | 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,007.66 | 278.77 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *45.01* | |
| | | *For Black Anodized Finish, Add* | *90.02* | |
| | | *For >10 To 20, Deduct* | *-31.94* | |
| | | *For >20 To 40, Deduct* | *-59.39* | |
| | | *For >40, Deduct* | *-123.27* | |
| 26 56 13 00-0478 | EA | 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,104.57 | 313.62 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *47.73* | |
| | | *For Black Anodized Finish, Add* | *95.47* | |
| | | *For >10 To 20, Deduct* | *-34.77* | |
| | | *For >20 To 40, Deduct* | *-64.78* | |
| | | *For >40, Deduct* | *-134.32* | |
| 26 56 13 00-0479 | EA | 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,156.91 | 331.04 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *49.48* | |
| | | *For Black Anodized Finish, Add* | *98.97* | |
| | | *For >10 To 20, Deduct* | *-36.35* | |
| | | *For >20 To 40, Deduct* | *-67.74* | |
| | | *For >40, Deduct* | *-140.43* | |
| 26 56 13 00-0480 | EA | 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,209.27 | 348.46 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *51.23* | |
| | | *For Black Anodized Finish, Add* | *102.47* | |
| | | *For >10 To 20, Deduct* | *-37.92* | |
| | | *For >20 To 40, Deduct* | *-70.71* | |
| | | *For >40, Deduct* | *-146.54* | |
| 26 56 13 00-0481 | EA | 18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,312.01 | 383.31 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *54.54* | |
| | | *For Black Anodized Finish, Add* | *109.08* | |
| | | *For >10 To 20, Deduct* | *-40.98* | |
| | | *For >20 To 40, Deduct* | *-76.51* | |
| | | *For >40, Deduct* | *-158.47* | |
| 26 56 13 00-0482 | EA | 20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,423.51 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *58.72* | |
| | | *For Black Anodized Finish, Add* | *117.44* | |
| | | *For >10 To 20, Deduct* | *-44.40* | |
| | | *For >20 To 40, Deduct* | *-82.92* | |
| | | *For >40, Deduct* | *-171.71* | |
| 26 56 13 00-0483 | EA | 16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,276.35 | 348.46 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *57.94* | |
| | | *For Black Anodized Finish, Add* | *115.88* | |
| | | *For >10 To 20, Deduct* | *-40.60* | |
| | | *For >20 To 40, Deduct* | *-75.41* | |
| | | *For >40, Deduct* | *-156.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0484 | EA | 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,381.04 | 383.31 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *61.44* | |
| | | *For Black Anodized Finish, Add* | *122.88* | |
| | | *For >10 To 20, Deduct* | *-43.74* | |
| | | *For >20 To 40, Deduct* | *-81.34* | |
| | | *For >40, Deduct* | *-168.83* | |
| 26 56 13 00-0485 | EA | 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,498.36 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *66.21* | |
| | | *For Black Anodized Finish, Add* | *132.41* | |
| | | *For >10 To 20, Deduct* | *-47.39* | |
| | | *For >20 To 40, Deduct* | *-88.16* | |
| | | *For >40, Deduct* | *-182.94* | |
| 26 56 13 00-0486 | EA | 15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,448.56 | 331.04 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *78.65* | |
| | | *For Black Anodized Finish, Add* | *157.30* | |
| | | *For >10 To 20, Deduct* | *-48.01* | |
| | | *For >20 To 40, Deduct* | *-88.16* | |
| | | *For >40, Deduct* | *-184.18* | |
| 26 56 13 00-0487 | EA | 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,777.38 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *94.11* | |
| | | *For Black Anodized Finish, Add* | *188.21* | |
| | | *For >10 To 20, Deduct* | *-58.55* | |
| | | *For >20 To 40, Deduct* | *-107.69* | |
| | | *For >40, Deduct* | *-224.79* | |
| 26 56 13 00-0488 | EA | 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base | 2,177.67 | 557.54 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *106.26* | |
| | | *For Black Anodized Finish, Add* | *212.52* | |
| | | *For >10 To 20, Deduct* | *-70.38* | |
| | | *For >20 To 40, Deduct* | *-130.14* | |
| | | *For >40, Deduct* | *-270.90* | |
| 26 56 13 00-0489 | EA | 20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,558.64 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *72.23* | |
| | | *For Black Anodized Finish, Add* | *144.47* | |
| | | *For >10 To 20, Deduct* | *-49.80* | |
| | | *For >20 To 40, Deduct* | *-92.38* | |
| | | *For >40, Deduct* | *-191.98* | |
| 26 56 13 00-0490 | EA | 20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base | 1,895.01 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *105.87* | |
| | | *For Black Anodized Finish, Add* | *211.74* | |
| | | *For >10 To 20, Deduct* | *-63.26* | |
| | | *For >20 To 40, Deduct* | *-115.92* | |
| | | *For >40, Deduct* | *-242.44* | |
| 26 56 13 00-0491 | EA | 25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base | 2,284.61 | 557.54 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *116.95* | |
| | | *For Black Anodized Finish, Add* | *233.91* | |
| | | *For >10 To 20, Deduct* | *-74.66* | |
| | | *For >20 To 40, Deduct* | *-137.62* | |
| | | *For >40, Deduct* | *-286.94* | |
| 26 56 13 00-0492 | EA | 20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base | 2,079.73 | 418.16 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *124.34* | |
| | | *For Black Anodized Finish, Add* | *248.68* | |
| | | *For >10 To 20, Deduct* | *-70.64* | |
| | | *For >20 To 40, Deduct* | *-128.85* | |
| | | *For >40, Deduct* | *-270.14* | |
| 26 56 13 00-0493 | EA | 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base | 2,525.71 | 557.54 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *141.06* | |
| | | *For Black Anodized Finish, Add* | *282.13* | |
| | | *For >10 To 20, Deduct* | *-84.30* | |
| | | *For >20 To 40, Deduct* | *-154.50* | |
| | | *For >40, Deduct* | *-323.10* | |
| 26 56 13 00-0494 | EA | 30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base | 2,915.92 | 627.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *166.15* | |
| | | *For Black Anodized Finish, Add* | *332.29* | |
| | | *For >10 To 20, Deduct* | *-97.82* | |
| | | *For >20 To 40, Deduct* | *-179.03* | |
| | | *For >40, Deduct* | *-374.67* | |

## 26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0473)*

Note: Includes rubberized undercoating on embedded portion.

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0496 | EA | 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial | 731.50 | 174.23 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *38.30* | |
| | | *For Black Anodized Finish, Add* | *76.61* | |
| | | *For >10 To 20, Deduct* | *-24.03* | |
| | | *For >20 To 40, Deduct* | *-44.24* | |
| | | *For >40, Deduct* | *-92.30* | |
| 26 56 13 00-0497 | EA | 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial | 815.93 | 191.65 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *43.26* | |
| | | *For Black Anodized Finish, Add* | *86.52* | |
| | | *For >10 To 20, Deduct* | *-26.89* | |
| | | *For >20 To 40, Deduct* | *-49.45* | |
| | | *For >40, Deduct* | *-103.22* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0498 | EA | 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial | 871.20 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *45.30* | |
| | | *For Black Anodized Finish, Add* | *90.61* | |
| | | *For >10 To 20, Deduct* | *-28.58* | |
| | | *For >20 To 40, Deduct* | *-52.62* | |
| | | *For >40, Deduct* | *-109.77* | |
| 26 56 13 00-0499 | EA | 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial | 895.50 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *47.73* | |
| | | *For Black Anodized Finish, Add* | *95.47* | |
| | | *For >10 To 20, Deduct* | *-29.55* | |
| | | *For >20 To 40, Deduct* | *-54.32* | |
| | | *For >40, Deduct* | *-113.42* | |
| 26 56 13 00-0500 | EA | 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial | 925.64 | 209.07 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *50.75* | |
| | | *For Black Anodized Finish, Add* | *101.50* | |
| | | *For >10 To 20, Deduct* | *-30.75* | |
| | | *For >20 To 40, Deduct* | *-56.43* | |
| | | *For >40, Deduct* | *-117.94* | |
| 26 56 13 00-0501 | EA | 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial | 1,063.53 | 226.51 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *61.05* | |
| | | *For Black Anodized Finish, Add* | *122.11* | |
| | | *For >10 To 20, Deduct* | *-35.75* | |
| | | *For >20 To 40, Deduct* | *-65.39* | |
| | | *For >40, Deduct* | *-136.88* | |
| 26 56 13 00-0502 | EA | 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial | 1,140.17 | 243.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *65.23* | |
| | | *For Black Anodized Finish, Add* | *130.47* | |
| | | *For >10 To 20, Deduct* | *-38.29* | |
| | | *For >20 To 40, Deduct* | *-70.06* | |
| | | *For >40, Deduct* | *-146.63* | |
| 26 56 13 00-0503 | EA | 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial | 1,292.80 | 243.93 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *80.50* | |
| | | *For Black Anodized Finish, Add* | *160.99* | |
| | | *For >10 To 20, Deduct* | *-44.39* | |
| | | *For >20 To 40, Deduct* | *-80.74* | |
| | | *For >40, Deduct* | *-169.53* | |
| 26 56 13 00-0504 | EA | 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial | 1,485.00 | 278.77 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *92.75* | |
| | | *For Black Anodized Finish, Add* | *185.49* | |
| | | *For >10 To 20, Deduct* | *-51.04* | |
| | | *For >20 To 40, Deduct* | *-92.80* | |
| | | *For >40, Deduct* | *-194.87* | |
| 26 56 13 00-0505 | EA | 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial | 1,826.23 | 278.77 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *126.87* | |
| | | *For Black Anodized Finish, Add* | *253.74* | |
| | | *For >10 To 20, Deduct* | *-64.69* | |
| | | *For >20 To 40, Deduct* | *-116.69* | |
| | | *For >40, Deduct* | *-246.06* | |

## 26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles *(26 56 13 00-0294)*

| | | | |
|---|---|---|---|
| 26 56 13 00-0507 | EA | 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles | 91.83 |
| 26 56 13 00-0508 | EA | Extra Handhole For Aluminum Area Light Poles | 36.24 |
| 26 56 13 00-0509 | EA | Vibration Dampener For Aluminum Area Light Poles | 138.92 |

## 26 56 13 00-0510 Fiberglass Area Light Poles *(26 56 13 00-0177)*

Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.

## 26 56 13 00-0511 Round Tapered, Fiberglass Area Light Poles *(26 56 13 00-0510)*

## 26 56 13 00-0512 Round Tapered, Fiberglass Area Light Poles, Anchor Base *(26 56 13 00-0511)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0513 | EA | 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,256.30 | 243.93 |
| | | *For >10 To 20, Deduct* | *-42.93* | |
| | | *For >20 To 40, Deduct* | *-78.18* | |
| | | *For >40, Deduct* | *-164.05* | |
| 26 56 13 00-0514 | EA | 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,371.74 | 278.77 |
| | | *For >10 To 20, Deduct* | *-46.51* | |
| | | *For >20 To 40, Deduct* | *-84.87* | |
| | | *For >40, Deduct* | *-177.88* | |
| 26 56 13 00-0515 | EA | 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,488.48 | 313.62 |
| | | *For >10 To 20, Deduct* | *-50.13* | |
| | | *For >20 To 40, Deduct* | *-91.65* | |
| | | *For >40, Deduct* | *-191.91* | |
| 26 56 13 00-0516 | EA | 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,603.93 | 348.46 |
| | | *For >10 To 20, Deduct* | *-53.70* | |
| | | *For >20 To 40, Deduct* | *-98.34* | |
| | | *For >40, Deduct* | *-205.74* | |
| 26 56 13 00-0517 | EA | 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,742.88 | 383.31 |
| | | *For >10 To 20, Deduct* | *-58.22* | |
| | | *For >20 To 40, Deduct* | *-106.67* | |
| | | *For >40, Deduct* | *-223.10* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0518 | EA | 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,860.93 | 418.16 |
| | | *For >10 To 20, Deduct* | *-61.89* | |
| | | *For >20 To 40, Deduct* | *-113.54* | |
| | | *For >40, Deduct* | *-237.32* | |
| 26 56 13 00-0519 | EA | 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,047.37 | 487.84 |
| | | *For >10 To 20, Deduct* | *-67.26* | |
| | | *For >20 To 40, Deduct* | *-123.80* | |
| | | *For >40, Deduct* | *-258.32* | |
| 26 56 13 00-0520 | EA | 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,232.49 | 557.54 |
| | | *For >10 To 20, Deduct* | *-72.57* | |
| | | *For >20 To 40, Deduct* | *-133.97* | |
| | | *For >40, Deduct* | *-279.12* | |
| 26 56 13 00-0521 | EA | 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,338.35 | 557.54 |
| | | *For >10 To 20, Deduct* | *-76.81* | |
| | | *For >20 To 40, Deduct* | *-141.38* | |
| | | *For >40, Deduct* | *-295.00* | |
| 26 56 13 00-0522 | EA | 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,500.83 | 592.39 |
| | | *For >10 To 20, Deduct* | *-82.26* | |
| | | *For >20 To 40, Deduct* | *-151.36* | |
| | | *For >40, Deduct* | *-315.89* | |
| 26 56 13 00-0523 | EA | 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,663.31 | 627.23 |
| | | *For >10 To 20, Deduct* | *-87.72* | |
| | | *For >20 To 40, Deduct* | *-161.34* | |
| | | *For >40, Deduct* | *-336.77* | |
| 26 56 13 00-0524 | EA | 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,376.54 | 243.93 |
| | | *For >10 To 20, Deduct* | *-47.74* | |
| | | *For >20 To 40, Deduct* | *-86.60* | |
| | | *For >40, Deduct* | *-182.09* | |
| 26 56 13 00-0525 | EA | 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,468.46 | 278.77 |
| | | *For >10 To 20, Deduct* | *-50.38* | |
| | | *For >20 To 40, Deduct* | *-91.64* | |
| | | *For >40, Deduct* | *-192.39* | |
| 26 56 13 00-0526 | EA | 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,561.67 | 313.62 |
| | | *For >10 To 20, Deduct* | *-53.06* | |
| | | *For >20 To 40, Deduct* | *-96.77* | |
| | | *For >40, Deduct* | *-202.89* | |
| 26 56 13 00-0527 | EA | 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,657.51 | 348.46 |
| | | *For >10 To 20, Deduct* | *-55.85* | |
| | | *For >20 To 40, Deduct* | *-102.09* | |
| | | *For >40, Deduct* | *-213.78* | |
| 26 56 13 00-0528 | EA | 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,759.87 | 383.31 |
| | | *For >10 To 20, Deduct* | *-58.90* | |
| | | *For >20 To 40, Deduct* | *-107.86* | |
| | | *For >40, Deduct* | *-225.65* | |
| 26 56 13 00-0529 | EA | 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,860.93 | 418.16 |
| | | *For >10 To 20, Deduct* | *-61.89* | |
| | | *For >20 To 40, Deduct* | *-113.54* | |
| | | *For >40, Deduct* | *-237.32* | |
| 26 56 13 00-0530 | EA | 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,031.68 | 487.84 |
| | | *For >10 To 20, Deduct* | *-66.63* | |
| | | *For >20 To 40, Deduct* | *-122.70* | |
| | | *For >40, Deduct* | *-255.97* | |
| 26 56 13 00-0531 | EA | 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,232.49 | 557.54 |
| | | *For >10 To 20, Deduct* | *-72.57* | |
| | | *For >20 To 40, Deduct* | *-133.97* | |
| | | *For >40, Deduct* | *-279.12* | |
| 26 56 13 00-0532 | EA | 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,276.92 | 557.54 |
| | | *For >10 To 20, Deduct* | *-74.35* | |
| | | *For >20 To 40, Deduct* | *-137.08* | |
| | | *For >40, Deduct* | *-285.78* | |
| 26 56 13 00-0533 | EA | 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,392.35 | 592.39 |
| | | *For >10 To 20, Deduct* | *-77.92* | |
| | | *For >20 To 40, Deduct* | *-143.77* | |
| | | *For >40, Deduct* | *-299.61* | |
| 26 56 13 00-0534 | EA | 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,507.79 | 627.23 |
| | | *For >10 To 20, Deduct* | *-81.49* | |
| | | *For >20 To 40, Deduct* | *-150.46* | |
| | | *For >40, Deduct* | *-313.45* | |
| 26 56 13 00-0535 | EA | 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,552.97 | 243.93 |
| | | *For >10 To 20, Deduct* | *-54.80* | |
| | | *For >20 To 40, Deduct* | *-98.95* | |
| | | *For >40, Deduct* | *-208.55* | |
| 26 56 13 00-0536 | EA | 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,663.19 | 278.77 |
| | | *For >10 To 20, Deduct* | *-58.16* | |
| | | *For >20 To 40, Deduct* | *-105.27* | |
| | | *For >40, Deduct* | *-221.60* | |
| 26 56 13 00-0537 | EA | 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,773.39 | 313.62 |
| | | *For >10 To 20, Deduct* | *-61.53* | |
| | | *For >20 To 40, Deduct* | *-111.59* | |
| | | *For >40, Deduct* | *-234.65* | |
| 26 56 13 00-0538 | EA | 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 1,884.91 | 348.46 |
| | | *For >10 To 20, Deduct* | *-64.94* | |
| | | *For >20 To 40, Deduct* | *-118.01* | |
| | | *For >40, Deduct* | *-247.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0539 | EA | 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,001.65 | 383.31 |
| | | *For >10 To 20, Deduct* | *-68.57* | |
| | | *For >20 To 40, Deduct* | *-124.78* | |
| | | *For >40, Deduct* | *-261.92* | |
| 26 56 13 00-0540 | EA | 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,126.23 | 418.16 |
| | | *For >10 To 20, Deduct* | *-72.50* | |
| | | *For >20 To 40, Deduct* | *-132.11* | |
| | | *For >40, Deduct* | *-277.12* | |
| 26 56 13 00-0541 | EA | 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,332.27 | 487.84 |
| | | *For >10 To 20, Deduct* | *-78.66* | |
| | | *For >20 To 40, Deduct* | *-143.74* | |
| | | *For >40, Deduct* | *-301.06* | |
| 26 56 13 00-0542 | EA | 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,539.61 | 557.54 |
| | | *For >10 To 20, Deduct* | *-84.86* | |
| | | *For >20 To 40, Deduct* | *-155.47* | |
| | | *For >40, Deduct* | *-325.19* | |
| 26 56 13 00-0543 | EA | 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,607.57 | 557.54 |
| | | *For >10 To 20, Deduct* | *-87.58* | |
| | | *For >20 To 40, Deduct* | *-160.23* | |
| | | *For >40, Deduct* | *-335.38* | |
| 26 56 13 00-0544 | EA | 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,784.43 | 592.39 |
| | | *For >10 To 20, Deduct* | *-93.61* | |
| | | *For >20 To 40, Deduct* | *-171.21* | |
| | | *For >40, Deduct* | *-358.43* | |
| 26 56 13 00-0545 | EA | 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 2,931.23 | 627.23 |
| | | *For >10 To 20, Deduct* | *-98.43* | |
| | | *For >20 To 40, Deduct* | *-180.10* | |
| | | *For >40, Deduct* | *-376.96* | |
| 26 56 13 00-0546 | EA | 32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 3,043.18 | 644.65 |
| | | *For >10 To 20, Deduct* | *-102.39* | |
| | | *For >20 To 40, Deduct* | *-187.24* | |
| | | *For >40, Deduct* | *-392.01* | |
| 26 56 13 00-0547 | EA | 34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base | 3,155.14 | 662.07 |
| | | *For >10 To 20, Deduct* | *-106.34* | |
| | | *For >20 To 40, Deduct* | *-194.38* | |
| | | *For >40, Deduct* | *-407.06* | |

## 26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0511)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0549 | EA | 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 787.58 | 174.23 |
| | | *For >10 To 20, Deduct* | *-26.28* | |
| | | *For >20 To 40, Deduct* | *-48.16* | |
| | | *For >40, Deduct* | *-100.71* | |
| 26 56 13 00-0550 | EA | 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 847.26 | 191.65 |
| | | *For >10 To 20, Deduct* | *-28.14* | |
| | | *For >20 To 40, Deduct* | *-51.64* | |
| | | *For >40, Deduct* | *-107.92* | |
| 26 56 13 00-0551 | EA | 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 905.64 | 209.07 |
| | | *For >10 To 20, Deduct* | *-29.95* | |
| | | *For >20 To 40, Deduct* | *-55.03* | |
| | | *For >40, Deduct* | *-114.94* | |
| 26 56 13 00-0552 | EA | 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 927.85 | 209.07 |
| | | *For >10 To 20, Deduct* | *-30.84* | |
| | | *For >20 To 40, Deduct* | *-56.59* | |
| | | *For >40, Deduct* | *-118.27* | |
| 26 56 13 00-0553 | EA | 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 999.29 | 226.51 |
| | | *For >10 To 20, Deduct* | *-33.18* | |
| | | *For >20 To 40, Deduct* | *-60.89* | |
| | | *For >40, Deduct* | *-127.24* | |
| 26 56 13 00-0554 | EA | 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,060.27 | 243.93 |
| | | *For >10 To 20, Deduct* | *-35.09* | |
| | | *For >20 To 40, Deduct* | *-64.46* | |
| | | *For >40, Deduct* | *-134.65* | |
| 26 56 13 00-0555 | EA | 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,125.19 | 261.35 |
| | | *For >10 To 20, Deduct* | *-37.17* | |
| | | *For >20 To 40, Deduct* | *-68.31* | |
| | | *For >40, Deduct* | *-142.64* | |
| 26 56 13 00-0556 | EA | 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,196.62 | 278.77 |
| | | *For >10 To 20, Deduct* | *-39.50* | |
| | | *For >20 To 40, Deduct* | *-72.61* | |
| | | *For >40, Deduct* | *-151.62* | |
| 26 56 13 00-0557 | EA | 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,322.08 | 278.77 |
| | | *For >10 To 20, Deduct* | *-44.52* | |
| | | *For >20 To 40, Deduct* | *-81.39* | |
| | | *For >40, Deduct* | *-170.44* | |
| 26 56 13 00-0558 | EA | 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,482.40 | 296.19 |
| | | *For >10 To 20, Deduct* | *-50.41* | |
| | | *For >20 To 40, Deduct* | *-91.92* | |
| | | *For >40, Deduct* | *-192.74* | |
| 26 56 13 00-0559 | EA | 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,642.70 | 313.62 |
| | | *For >10 To 20, Deduct* | *-56.30* | |
| | | *For >20 To 40, Deduct* | *-102.44* | |
| | | *For >40, Deduct* | *-215.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0560 | EA | 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 907.82 | 174.23 |
| | | *For >10 To 20, Deduct* | *-31.09* | |
| | | *For >20 To 40, Deduct* | *-56.58* | |
| | | *For >40, Deduct* | *-118.75* | |
| 26 56 13 00-0561 | EA | 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 974.03 | 191.65 |
| | | *For >10 To 20, Deduct* | *-33.21* | |
| | | *For >20 To 40, Deduct* | *-60.52* | |
| | | *For >40, Deduct* | *-126.94* | |
| 26 56 13 00-0562 | EA | 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,040.25 | 209.07 |
| | | *For >10 To 20, Deduct* | *-35.34* | |
| | | *For >20 To 40, Deduct* | *-64.45* | |
| | | *For >40, Deduct* | *-135.13* | |
| 26 56 13 00-0563 | EA | 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,072.92 | 209.07 |
| | | *For >10 To 20, Deduct* | *-36.64* | |
| | | *For >20 To 40, Deduct* | *-66.74* | |
| | | *For >40, Deduct* | *-140.03* | |
| 26 56 13 00-0564 | EA | 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,139.13 | 226.51 |
| | | *For >10 To 20, Deduct* | *-38.77* | |
| | | *For >20 To 40, Deduct* | *-70.68* | |
| | | *For >40, Deduct* | *-148.22* | |
| 26 56 13 00-0565 | EA | 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,205.33 | 243.93 |
| | | *For >10 To 20, Deduct* | *-40.90* | |
| | | *For >20 To 40, Deduct* | *-74.62* | |
| | | *For >40, Deduct* | *-156.41* | |
| 26 56 13 00-0566 | EA | 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,271.56 | 261.35 |
| | | *For >10 To 20, Deduct* | *-43.02* | |
| | | *For >20 To 40, Deduct* | *-78.56* | |
| | | *For >40, Deduct* | *-164.60* | |
| 26 56 13 00-0567 | EA | 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,367.82 | 278.77 |
| | | *For >10 To 20, Deduct* | *-46.35* | |
| | | *For >20 To 40, Deduct* | *-84.60* | |
| | | *For >40, Deduct* | *-177.30* | |
| 26 56 13 00-0568 | EA | 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,489.37 | 278.77 |
| | | *For >10 To 20, Deduct* | *-51.21* | |
| | | *For >20 To 40, Deduct* | *-93.11* | |
| | | *For >40, Deduct* | *-195.53* | |
| 26 56 13 00-0569 | EA | 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,647.07 | 296.19 |
| | | *For >10 To 20, Deduct* | *-57.00* | |
| | | *For >20 To 40, Deduct* | *-103.45* | |
| | | *For >40, Deduct* | *-217.44* | |
| 26 56 13 00-0570 | EA | 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,803.45 | 313.62 |
| | | *For >10 To 20, Deduct* | *-62.73* | |
| | | *For >20 To 40, Deduct* | *-113.70* | |
| | | *For >40, Deduct* | *-239.16* | |
| 26 56 13 00-0571 | EA | 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,013.68 | 174.23 |
| | | *For >10 To 20, Deduct* | *-35.32* | |
| | | *For >20 To 40, Deduct* | *-63.99* | |
| | | *For >40, Deduct* | *-134.63* | |
| 26 56 13 00-0572 | EA | 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,072.05 | 191.65 |
| | | *For >10 To 20, Deduct* | *-37.13* | |
| | | *For >20 To 40, Deduct* | *-67.38* | |
| | | *For >40, Deduct* | *-141.64* | |
| 26 56 13 00-0573 | EA | 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,129.12 | 209.07 |
| | | *For >10 To 20, Deduct* | *-38.89* | |
| | | *For >20 To 40, Deduct* | *-70.68* | |
| | | *For >40, Deduct* | *-148.46* | |
| 26 56 13 00-0574 | EA | 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,151.34 | 209.07 |
| | | *For >10 To 20, Deduct* | *-39.78* | |
| | | *For >20 To 40, Deduct* | *-72.23* | |
| | | *For >40, Deduct* | *-151.79* | |
| 26 56 13 00-0575 | EA | 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,208.39 | 226.51 |
| | | *For >10 To 20, Deduct* | *-41.54* | |
| | | *For >20 To 40, Deduct* | *-75.53* | |
| | | *For >40, Deduct* | *-158.61* | |
| 26 56 13 00-0576 | EA | 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,266.76 | 243.93 |
| | | *For >10 To 20, Deduct* | *-43.35* | |
| | | *For >20 To 40, Deduct* | *-78.92* | |
| | | *For >40, Deduct* | *-165.62* | |
| 26 56 13 00-0577 | EA | 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,369.58 | 261.35 |
| | | *For >10 To 20, Deduct* | *-46.94* | |
| | | *For >20 To 40, Deduct* | *-85.42* | |
| | | *For >40, Deduct* | *-179.30* | |
| 26 56 13 00-0578 | EA | 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,488.06 | 278.77 |
| | | *For >10 To 20, Deduct* | *-51.16* | |
| | | *For >20 To 40, Deduct* | *-93.01* | |
| | | *For >40, Deduct* | *-195.33* | |
| 26 56 13 00-0579 | EA | 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,563.86 | 278.77 |
| | | *For >10 To 20, Deduct* | *-54.19* | |
| | | *For >20 To 40, Deduct* | *-98.32* | |
| | | *For >40, Deduct* | *-206.70* | |
| 26 56 13 00-0580 | EA | 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,675.82 | 296.19 |
| | | *For >10 To 20, Deduct* | *-58.15* | |
| | | *For >20 To 40, Deduct* | *-105.46* | |
| | | *For >40, Deduct* | *-221.75* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0581 | EA | 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial | 1,787.77 | 313.62 |
| | | *For >10 To 20, Deduct* | *-62.10* | |
| | | *For >20 To 40, Deduct* | *-112.60* | |
| | | *For >40, Deduct* | *-236.80* | |

## 26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles *(26 56 13 00-0510)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0583 | EA | Open Or Capped Top For Fiberglass Area Light Poles | 46.34 | |
| 26 56 13 00-0584 | EA | Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles | 46.34 | |
| 26 56 13 00-0585 | EA | Smooth Shaft Finish For Fiberglass Area Light Poles | 87.92 | |
| 26 56 13 00-0586 | EA | Vibration Dampener For Fiberglass Area Light Poles | 116.43 | |

## 26 56 13 00-0587 Concrete Area Light Poles *(26 56 13 00-0177)*

## 26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base *(26 56 13 00-0587)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0589 | EA | 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base | 2,367.06 | 592.39 |
| 26 56 13 00-0590 | EA | 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base | 2,495.87 | 627.23 |
| 26 56 13 00-0591 | EA | 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base | 2,588.47 | 644.65 |
| 26 56 13 00-0592 | EA | 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base | 3,205.94 | 662.07 |
| 26 56 13 00-0593 | EA | 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base | 3,557.88 | 696.93 |
| 26 56 13 00-0594 | EA | 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base | 4,407.58 | 906.00 |
| 26 56 13 00-0595 | EA | 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base | 5,282.95 | 1,115.08 |
| 26 56 13 00-0596 | EA | 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base<br>Note: Polished brown with acrylic coating finish. | 5,077.31 | 592.39 |
| 26 56 13 00-0597 | EA | 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base<br>Note: Polished brown with acrylic coating finish. | 5,854.74 | 627.23 |
| 26 56 13 00-0598 | EA | Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40' | 713.66 | 209.07 |
| 26 56 13 00-0599 | EA | 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design | 3,041.96 | 418.01 |
| 26 56 13 00-0600 | EA | Pole Base Cover For All Octagon Poles | 276.32 | 85.30 |
| 26 56 13 00-0601 | EA | Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze | 567.23 | 170.61 |

## 26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

Note: Round or square.

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0603 | EA | 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial | 2,510.55 | 278.77 |
| 26 56 13 00-0604 | EA | 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial | 2,839.89 | 348.46 |
| 26 56 13 00-0605 | EA | 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial | 3,138.88 | 418.16 |
| 26 56 13 00-0606 | EA | 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial | 4,377.63 | 627.23 |
| 26 56 13 00-0607 | EA | 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial | 5,042.57 | 662.07 |
| 26 56 13 00-0608 | EA | 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial | 5,761.29 | 696.93 |
| 26 56 13 00-0609 | EA | 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial | 6,687.52 | 906.00 |

## 26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0611 | EA | 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22) | 19,141.58 | 1,568.08 |
| 26 56 13 00-0612 | EA | 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24) | 22,842.52 | 1,942.28 |
| 26 56 13 00-0613 | EA | 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26) | 27,098.11 | 2,623.78 |

## 26 56 13 00-0614 Treated Wood Area Light Poles *(26 56 13 00-0177)*

See CSI section 26 05 46 00-0001 for wood poles.

## 26 56 13 00-0615 Cast Iron Decorative Light Posts *(26 56 13 00-0177)*

## 26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base *(26 56 13 00-0615)*

Note: As manufactured by Hadco and King Luminaries or an approved equal.

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0617 | EA | 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base | 1,350.21 | 174.23 |
| 26 56 13 00-0618 | EA | 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base | 1,429.78 | 200.72 |
| 26 56 13 00-0619 | EA | 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base | 1,547.50 | 209.07 |
| 26 56 13 00-0620 | EA | 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base | 1,896.85 | 243.93 |
| 26 56 13 00-0621 | EA | 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base | 2,208.53 | 264.83 |
| 26 56 13 00-0622 | EA | 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base | 2,534.91 | 285.74 |

## 26 56 13 00-0623 Landscape Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

## 26 56 13 00-0624 Aluminum Landscape Light Poles *(26 56 13 00-0623)*

Note: Includes painted finish.

## 26 56 13 00-0625 Round Straight, Aluminum Landscape Light Poles *(26 56 13 00-0624)*

## 26 56 13 00-0626 Round Straight, Aluminum Landscape Light Poles, Anchor Base *(26 56 13 00-0625)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0627 | EA | 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base | 504.67 | 209.07 |
| 26 56 13 00-0628 | EA | 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base | 831.34 | 278.77 |

## 26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Direct Burial *(26 56 13 00-0625)*

| | | | | |
|---|---|---|---|---|
| 26 56 13 00-0630 | EA | 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial | 463.96 | 209.07 |
| 26 56 13 00-0631 | EA | 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial | 790.63 | 278.77 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0632 | | Steel Landscape Light Poles *(26 56 13 00-0623)*<br>Note: Includes painted finish. | | |
| 26 56 13 00-0633 | | Round Straight, Steel Landscape Light Poles *(26 56 13 00-0632)* | | |
| 26 56 13 00-0634 | | Round Straight, Steel Landscape Light Poles, Anchor Base *(26 56 13 00-0633)* | | |
| 26 56 13 00-0635 | EA | 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base | 574.94 | 209.07 |
| 26 56 13 00-0636 | | Round Straight, Steel Landscape Light Poles, Direct Burial *(26 56 13 00-0633)* | | |
| 26 56 13 00-0637 | EA | 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial | 539.82 | 209.07 |
| 26 56 13 00-0638 | | Light Pole Brackets And Arms *(26 56 13 00-0001)* | | |
| 26 56 13 00-0639 | | Light Pole Brackets *(26 56 13 00-0638)* | | |
| 26 56 13 00-0640 | | Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0639)* | | |
| 26 56 13 00-0641 | | Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)* | | |
| 26 56 13 00-0642 | | Steel, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*<br>Note: Includes powdercoat finish. | | |
| 26 56 13 00-0643 | EA | Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket | 712.35 | 41.81 |
| | | *For Galvanized Finish, Add* | *62.87* | |
| 26 56 13 00-0644 | EA | Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket | 902.04 | 41.81 |
| | | *For Galvanized Finish, Add* | *81.84* | |
| 26 56 13 00-0645 | EA | Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket | 959.94 | 41.81 |
| | | *For Galvanized Finish, Add* | *87.63* | |
| 26 56 13 00-0646 | EA | Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket | 1,317.35 | 41.81 |
| | | *For Galvanized Finish, Add* | *123.37* | |
| 26 56 13 00-0647 | EA | Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket | 1,373.01 | 41.81 |
| | | *For Galvanized Finish, Add* | *128.94* | |
| 26 56 13 00-0648 | | Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*<br>Note: Includes satin brushed or painted finish. | | |
| 26 56 13 00-0649 | EA | Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket | 242.11 | 41.81 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *15.85* | |
| | | *For Black Anodized Finish, Add* | *31.69* | |
| 26 56 13 00-0650 | EA | Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket | 292.66 | 41.81 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *20.90* | |
| | | *For Black Anodized Finish, Add* | *41.80* | |
| 26 56 13 00-0651 | EA | Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket | 306.27 | 41.81 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *22.26* | |
| | | *For Black Anodized Finish, Add* | *44.53* | |
| 26 56 13 00-0652 | EA | Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket | 353.91 | 41.81 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *27.03* | |
| | | *For Black Anodized Finish, Add* | *54.05* | |
| 26 56 13 00-0653 | EA | Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket | 363.63 | 41.81 |
| | | *For Bronze Or Satin Anodized Finish, Add* | *28.00* | |
| | | *For Black Anodized Finish, Add* | *56.00* | |
| 26 56 13 00-0654 | | Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)* | | |
| 26 56 13 00-0655 | | Steel, Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0654)*<br>Note: Includes powdercoat finish. | | |
| 26 56 13 00-0656 | EA | Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket | 766.51 | 41.81 |
| | | *For Galvanized Finish, Add* | *68.29* | |
| 26 56 13 00-0657 | EA | Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket | 948.21 | 41.81 |
| | | *For Galvanized Finish, Add* | *86.46* | |
| 26 56 13 00-0658 | EA | Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket | 1,161.61 | 41.81 |
| | | *For Galvanized Finish, Add* | *107.80* | |
| 26 56 13 00-0659 | EA | Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket | 1,376.00 | 41.81 |
| | | *For Galvanized Finish, Add* | *129.24* | |
| 26 56 13 00-0660 | | Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0639)* | | |
| 26 56 13 00-0661 | | Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0660)*<br>Note: Includes powdercoat finish. | | |
| 26 56 13 00-0662 | EA | One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket | 720.93 | 69.69 |
| 26 56 13 00-0663 | EA | Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket | 1,092.81 | 69.69 |
| 26 56 13 00-0664 | EA | Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket | 1,532.84 | 69.69 |
| 26 56 13 00-0665 | EA | Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket | 1,677.60 | 69.69 |
| 26 56 13 00-0666 | | Light Pole Arms *(26 56 13 00-0638)* | | |
| 26 56 13 00-0667 | | Wood Pole Streetlight Arms *(26 56 13 00-0666)* | | |
| 26 56 13 00-0668 | | Steel, Wood Pole Streetlight Arms *(26 56 13 00-0667)* | | |
| 26 56 13 00-0669 | EA | 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount | 415.47 | 62.72 |
| 26 56 13 00-0670 | EA | 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount | 439.14 | 69.69 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0671 | EA | 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount | 508.18 | 87.12 |
| 26 56 13 00-0672 | EA | 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount | 617.35 | 69.69 |
| 26 56 13 00-0673 | EA | 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount | 685.88 | 87.12 |
| 26 56 13 00-0674 | EA | 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount | 832.79 | 104.54 |
| **26 56 13 00-0675** | | **Aluminum, Wood Pole Streetlight Arms** *(26 56 13 00-0667)* | | |
| 26 56 13 00-0676 | EA | 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount | 248.25 | 69.69 |
| 26 56 13 00-0677 | EA | 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount | 304.08 | 69.69 |
| 26 56 13 00-0678 | EA | 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount | 405.25 | 87.12 |
| 26 56 13 00-0679 | EA | 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount | 529.56 | 104.54 |
| **26 56 13 00-0680** | | **Area Light Arms** *(26 56 13 00-0666)* | | |
| **26 56 13 00-0681** | | **Steel Area Light Arms** *(26 56 13 00-0680)* | | |
| 26 56 13 00-0682 | EA | Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount | 802.45 | 69.69 |
| 26 56 13 00-0683 | EA | Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount | 1,264.46 | 76.67 |
| 26 56 13 00-0684 | EA | Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount | 1,405.31 | 83.64 |
| 26 56 13 00-0685 | EA | Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount | 1,670.48 | 90.60 |
| 26 56 13 00-0686 | EA | Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount | 956.43 | 87.12 |
| 26 56 13 00-0687 | EA | Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount | 1,371.83 | 94.09 |
| **26 56 13 00-0688** | | **Aluminum Area Light Arms** *(26 56 13 00-0680)* | | |
| 26 56 13 00-0689 | EA | Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount | 297.86 | 69.69 |
| 26 56 13 00-0690 | EA | Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount | 367.69 | 87.12 |
| 26 56 13 00-0691 | EA | Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount | 439.48 | 104.54 |
| 26 56 13 00-0692 | EA | Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount | 295.91 | 69.69 |
| 26 56 13 00-0693 | EA | Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount | 414.84 | 76.67 |
| 26 56 13 00-0694 | EA | Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount | 363.81 | 87.12 |
| 26 56 13 00-0695 | EA | Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount | 506.07 | 94.09 |
| 26 56 13 00-0696 | EA | Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount | 441.42 | 104.54 |
| 26 56 13 00-0697 | EA | Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount | 613.84 | 111.51 |
| **26 56 13 00-0698** | | **Removal And Reinstallation Of Lighting Pole** *(26 56 13 00-0001)* | | |
| 26 56 13 00-0699 | EA | Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms | 2,300.08 | |
| **26 56 13 00-0700** | | **High Mast Lighting** *(26 56 13 00-0001)* | | |
| **26 56 13 00-0701** | | **High Mast Lighting Assemblies** *(26 56 13 00-0700)* | | |
| | | Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures. | | |
| 26 56 13 00-0702 | EA | 60' High Mast Lighting Assembly | 58,815.36 | 2,156.00 |
| 26 56 13 00-0703 | EA | 70' High Mast Lighting Assembly | 62,128.70 | 2,258.08 |
| 26 56 13 00-0704 | EA | 80' High Mast Lighting Assembly | 65,476.03 | 2,405.56 |
| 26 56 13 00-0705 | EA | 90' High Mast Lighting Assembly | 68,855.35 | 2,598.43 |
| 26 56 13 00-0706 | EA | 100' High Mast Lighting Assembly | 72,251.65 | 2,836.59 |
| 26 56 13 00-0707 | EA | 110' High Mast Lighting Assembly | 76,622.02 | 3,120.46 |
| 26 56 13 00-0708 | EA | 120' High Mast Lighting Assembly | 80,149.69 | 3,404.10 |
| 26 56 13 00-0709 | EA | 130' High Mast Lighting Assembly | 83,406.17 | 3,687.74 |
| 26 56 13 00-0710 | EA | 140' High Mast Lighting Assembly | 86,933.85 | 3,971.52 |
| 26 56 13 00-0711 | EA | 150' High Mast Lighting Assembly | 91,228.93 | 4,255.15 |
| **26 56 13 00-0712** | | **High Mast Light Poles** *(26 56 13 00-0700)* | | |
| 26 56 13 00-0713 | EA | 60' High Mast Light Poles | 22,301.04 | 1,294.85 |
| 26 56 13 00-0714 | EA | 70' High Mast Light Poles | 25,583.70 | 1,356.19 |
| 26 56 13 00-0715 | EA | 80' High Mast Light Poles | 28,886.73 | 1,444.79 |
| 26 56 13 00-0716 | EA | 90' High Mast Light Poles | 32,208.13 | 1,560.64 |
| 26 56 13 00-0717 | EA | 100' High Mast Light Poles | 35,549.91 | 1,703.75 |
| 26 56 13 00-0718 | EA | 110' High Mast Light Poles | 38,912.05 | 1,874.12 |
| 26 56 13 00-0719 | EA | 120' High Mast Light Poles | 41,450.53 | 2,044.50 |
| 26 56 13 00-0720 | EA | 130' High Mast Light Poles | 41,500.93 | 3,789.14 |
| 26 56 13 00-0721 | EA | 140' High Mast Light Poles | 46,254.28 | 2,385.25 |
| 26 56 13 00-0722 | EA | 150' High Mast Light Poles | 49,065.98 | 2,555.63 |
| **26 56 13 00-0723** | | **High Mast Lighting Accessories** *(26 56 13 00-0700)* | | |
| | | See CSI section 26 55 13 00-0123 for lighting fixtures, 26 56 21 00-0001 for light fixtures. | | |
| 26 56 13 00-0724 | EA | Bottom Latching System For High Mast Lighting | 1,035.84 | |
| 26 56 13 00-0725 | EA | Top Latching System For High Mast Lighting | 2,933.75 | |
| 26 56 13 00-0726 | EA | Centering Springs For High Mast Lighting | 2,221.91 | |
| 26 56 13 00-0727 | EA | Electric Power Cord For High Mast Lighting | 933.52 | |
| 26 56 13 00-0728 | EA | Aircraft Warning Lights For High Mast Lighting | 1,738.49 | |
| 26 56 13 00-0729 | EA | Internal Motorized Hoist For High Mast Lighting | 19,003.09 | |
| 26 56 13 00-0730 | EA | Portable Hoist Motor With Step Down Transformer For High Mast Lighting | 19,112.06 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 13 00-0731 | | Concrete Bases *(26 56 13 00-0001)* | | |
| 26 56 13 00-0732 | | Concrete Bases, Cast In Place *(26 56 13 00-0731)*<br>Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit. | | |
| 26 56 13 00-0733 | EA | Cast In Place Concrete Base For Poles Minimum Charge<br>Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 399.19 | |
| 26 56 13 00-0734 | VLF | 1-1/2' Diameter Concrete Base For Poles | 66.87 | |
| 26 56 13 00-0735 | VLF | 2' Diameter Concrete Base For Poles | 94.23 | |
| 26 56 13 00-0736 | VLF | 2-1/2' Diameter Concrete Base For Poles | 127.58 | |
| 26 56 13 00-0737 | VLF | 3' Diameter Concrete Base For Poles | 168.03 | |
| 26 56 13 00-0738 | VLF | 3-1/2' Diameter Concrete Base For Poles | 224.85 | |
| 26 56 13 00-0739 | VLF | 4' Diameter Concrete Base For Poles | 283.11 | |
| 26 56 13 00-0740 | VLF | 5' Diameter Concrete Base For Poles | 412.05 | |
| 26 56 13 00-0741 | VLF | 6' Diameter Concrete Base For Poles | 567.60 | |
| **26 56 18** | | **Incandescent Exterior Lighting** *(26 56)* | | |
| 26 56 18 00-0001 | | Exterior Globe *(26 56 18)* | | |
| 26 56 18 00-0002 | | Incandescent, Exterior Globe *(26 56 18 00-0001)* | | |
| 26 56 18 00-0003 | EA | 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture | 60.93 | 23.04 |
| 26 56 18 00-0004 | EA | 150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture | 91.85 | 23.04 |
| 26 56 18 00-0005 | EA | 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture | 70.68 | 23.04 |
| 26 56 18 00-0006 | EA | 150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture | 95.61 | 23.04 |
| 26 56 18 00-0007 | | Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 18)*<br>Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws. | | |
| 26 56 18 00-0008 | EA | 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 271.27 | 92.14 |
| 26 56 18 00-0009 | EA | 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 282.83 | 97.90 |
| 26 56 18 00-0010 | EA | 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 311.36 | 103.66 |
| 26 56 18 00-0011 | EA | 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 303.39 | 115.18 |
| 26 56 18 00-0012 | EA | 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 341.30 | 132.45 |
| **26 56 19** | | **LED Exterior Lighting** *(26 56)* | | |
| 26 56 19 00-0001 | | LED, Wall Packs *(26 56 19)* | | |
| 26 56 19 00-0002 | | Full Cutoff, LED Wall Packs *(26 56 19 00-0001)* | | |
| 26 56 19 00-0003 | | Full Cutoff, LED Wall Packs (Lithonia) *(26 56 19 00-0002)* | | |
| 26 56 19 00-0004 | EA | 30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED) | 991.79 | 122.44 |
| | | *For >50 To 100, Deduct* | *-49.59* | |
| | | *For >100 To 250, Deduct* | *-74.38* | |
| | | *For >250 To 500, Deduct* | *-117.85* | |
| | | *For >500 To 1,000, Deduct* | *-161.32* | |
| | | *For >1,000, Deduct* | *-204.79* | |
| 26 56 19 00-0005 | EA | 30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED) | 1,072.87 | 122.44 |
| | | *For >50 To 100, Deduct* | *-53.64* | |
| | | *For >100 To 250, Deduct* | *-80.47* | |
| | | *For >250 To 500, Deduct* | *-127.99* | |
| | | *For >500 To 1,000, Deduct* | *-175.51* | |
| | | *For >1,000, Deduct* | *-223.03* | |
| 26 56 19 00-0006 | | Full Cutoff, LED Wall Packs (CREE® BetaLED®) *(26 56 19 00-0002)* | | |
| 26 56 19 00-0007 | | Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) *(26 56 19 00-0006)*<br>Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors. | | |
| 26 56 19 00-0008 | EA | 20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)<br>Note: Includes 350mA or 525mA driver. | 1,052.77 | 118.94 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Bird Spikes, Add* | *54.40* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-52.64* | |
| | | *For >100 To 250, Deduct* | *-78.96* | |
| | | *For >250 To 500, Deduct* | *-125.65* | |
| | | *For >500 To 1,000, Deduct* | *-172.34* | |
| | | *For >1,000, Deduct* | *-219.03* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0009 | EA | 40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) | 1,362.01 | 125.93 |
| | | Note: Includes 350mA or 525mA driver. | | |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Bird Spikes, Add* | *55.10* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-68.10* | |
| | | *For >100 To 250, Deduct* | *-102.15* | |
| | | *For >250 To 500, Deduct* | *-163.95* | |
| | | *For >500 To 1,000, Deduct* | *-225.76* | |
| | | *For >1,000, Deduct* | *-287.56* | |
| 26 56 19 00-0010 | EA | 60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) | 1,528.51 | 132.93 |
| | | Note: Includes 350mA or 525mA driver. | | |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Bird Spikes, Add* | *55.80* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-76.43* | |
| | | *For >100 To 250, Deduct* | *-114.64* | |
| | | *For >250 To 500, Deduct* | *-184.42* | |
| | | *For >500 To 1,000, Deduct* | *-254.20* | |
| | | *For >1,000, Deduct* | *-323.98* | |
| 26 56 19 00-0011 | EA | 80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) | 1,980.50 | 139.92 |
| | | Note: Includes 350mA or 525mA driver. | | |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Bird Spikes, Add* | *56.50* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-99.03* | |
| | | *For >100 To 250, Deduct* | *-148.54* | |
| | | *For >250 To 500, Deduct* | *-240.57* | |
| | | *For >500 To 1,000, Deduct* | *-332.60* | |
| | | *For >1,000, Deduct* | *-424.62* | |
| 26 56 19 00-0012 | EA | 100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) | 2,289.74 | 146.93 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Bird Spikes, Add* | *57.20* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-114.49* | |
| | | *For >100 To 250, Deduct* | *-171.73* | |
| | | *For >250 To 500, Deduct* | *-278.87* | |
| | | *For >500 To 1,000, Deduct* | *-386.01* | |
| | | *For >1,000, Deduct* | *-493.15* | |
| 26 56 19 00-0013 | EA | 120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) | 2,598.99 | 153.92 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Bird Spikes, Add* | *57.90* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-129.95* | |
| | | *For >100 To 250, Deduct* | *-194.92* | |
| | | *For >250 To 500, Deduct* | *-317.18* | |
| | | *For >500 To 1,000, Deduct* | *-439.43* | |
| | | *For >1,000, Deduct* | *-561.69* | |

### 26 56 19 00-0014 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) *(26 56 19 00-0006)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0015 | EA | 25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) | 614.33 | 118.94 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For Multi-Level, Add* | *67.48* | |
| | | *For >50 To 100, Deduct* | *-30.72* | |
| | | *For >100 To 250, Deduct* | *-46.07* | |
| | | *For >250 To 500, Deduct* | *-70.84* | |
| | | *For >500 To 1,000, Deduct* | *-95.61* | |
| | | *For >1,000, Deduct* | *-120.38* | |
| 26 56 19 00-0016 | EA | 42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) | 716.15 | 125.93 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For Multi-Level, Add* | *67.48* | |
| | | *For >50 To 100, Deduct* | *-35.81* | |
| | | *For >100 To 250, Deduct* | *-53.71* | |
| | | *For >250 To 500, Deduct* | *-83.22* | |
| | | *For >500 To 1,000, Deduct* | *-112.73* | |
| | | *For >1,000, Deduct* | *-142.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **26 56 19 00-0017** | | **Full Cutoff, LED Wall Packs (McGraw-Edison)** *(26 56 19 00-0002)* | | |
| 26 56 19 00-0018 | EA | One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST) | 1,331.49 | 118.94 |
| 26 56 19 00-0019 | EA | Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST) | 1,655.99 | 125.93 |
| 26 56 19 00-0020 | EA | One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST) | 1,347.48 | 118.94 |
| 26 56 19 00-0021 | EA | Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST) | 1,802.11 | 125.93 |
| **26 56 19 00-0022** | | **Open Face LED Wall Pack** *(26 56 19 00-0001)*<br>Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass | | |
| 26 56 19 00-0023 | EA | 3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS) | 737.41 | 126.07 |
| | | *For >50 To 100, Deduct* | *-36.87* | |
| | | *For >100 To 250, Deduct* | *-55.31* | |
| | | *For >250 To 500, Deduct* | *-82.72* | |
| | | *For >500 To 1,000, Deduct* | *-110.14* | |
| | | *For >1,000, Deduct* | *-137.55* | |
| 26 56 19 00-0024 | EA | 5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS) | 756.03 | 126.07 |
| | | *For >50 To 100, Deduct* | *-37.80* | |
| | | *For >100 To 250, Deduct* | *-56.70* | |
| | | *For >250 To 500, Deduct* | *-85.05* | |
| | | *For >500 To 1,000, Deduct* | *-113.40* | |
| | | *For >1,000, Deduct* | *-141.74* | |
| 26 56 19 00-0025 | EA | 7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS) | 796.08 | 126.07 |
| | | *For >50 To 100, Deduct* | *-39.80* | |
| | | *For >100 To 250, Deduct* | *-59.71* | |
| | | *For >250 To 500, Deduct* | *-90.06* | |
| | | *For >500 To 1,000, Deduct* | *-120.40* | |
| | | *For >1,000, Deduct* | *-150.75* | |
| 26 56 19 00-0026 | EA | 11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS) | 830.54 | 126.07 |
| | | *For >50 To 100, Deduct* | *-41.53* | |
| | | *For >100 To 250, Deduct* | *-62.29* | |
| | | *For >250 To 500, Deduct* | *-94.36* | |
| | | *For >500 To 1,000, Deduct* | *-126.43* | |
| | | *For >1,000, Deduct* | *-158.51* | |
| 26 56 19 00-0027 | EA | 16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS) | 891.73 | 126.07 |
| | | *For >50 To 100, Deduct* | *-44.59* | |
| | | *For >100 To 250, Deduct* | *-66.88* | |
| | | *For >250 To 500, Deduct* | *-102.01* | |
| | | *For >500 To 1,000, Deduct* | *-137.14* | |
| | | *For >1,000, Deduct* | *-172.27* | |
| **26 56 19 00-0028** | | **Wall Pack Accessories** *(26 56 19 00-0001)* | | |
| 26 56 19 00-0029 | EA | Photocell For Wall Pack | 143.49 | 31.52 |
| 26 56 19 00-0030 | EA | Wire Guard For Mini And Small Wall Pack | 160.31 | 31.52 |
| 26 56 19 00-0031 | EA | Wire Guard For Medium And Large Wall Pack | 230.65 | 31.52 |
| 26 56 19 00-0032 | EA | Clear Polycarbonate Vandal Guard For Wall Packs | 332.15 | 31.52 |
| 26 56 19 00-0033 | EA | Full Cutoff Visor For Wall Pack | 155.72 | 31.52 |
| **26 56 19 00-0034** | | **LED, Roadway Lighting** *(26 56 19)* | | |
| **26 56 19 00-0035** | | **LED Roadway Lighting (Philips Lumec)** *(26 56 19 00-0034)* | | |
| **26 56 19 00-0036** | | **Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series)** *(26 56 19 00-0035)*<br>Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors. | | |
| 26 56 19 00-0037 | EA | 49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series) | 1,489.41 | 168.26 |
| | | *For >50 To 100, Deduct* | *-74.47* | |
| | | *For >100 To 250, Deduct* | *-111.71* | |
| | | *For >250 To 500, Deduct* | *-177.76* | |
| | | *For >500 To 1,000, Deduct* | *-243.82* | |
| | | *For >1,000, Deduct* | *-309.88* | |
| 26 56 19 00-0038 | EA | 98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series) | 2,312.73 | 172.81 |
| | | *For >50 To 100, Deduct* | *-115.64* | |
| | | *For >100 To 250, Deduct* | *-173.45* | |
| | | *For >250 To 500, Deduct* | *-280.45* | |
| | | *For >500 To 1,000, Deduct* | *-387.45* | |
| | | *For >1,000, Deduct* | *-494.44* | |
| **26 56 19 00-0039** | | **Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series)** *(26 56 19 00-0035)*<br>Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0040 | EA | 48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series) | 1,199.64 | 168.26 |
| | | *For >50 To 100, Deduct* | *-59.98* | |
| | | *For >100 To 250, Deduct* | *-89.97* | |
| | | *For >250 To 500, Deduct* | *-141.54* | |
| | | *For >500 To 1,000, Deduct* | *-193.11* | |
| | | *For >1,000, Deduct* | *-244.68* | |
| 26 56 19 00-0041 | EA | 48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series) | 1,285.95 | 168.26 |
| | | *For >50 To 100, Deduct* | *-64.30* | |
| | | *For >100 To 250, Deduct* | *-96.45* | |
| | | *For >250 To 500, Deduct* | *-152.33* | |
| | | *For >500 To 1,000, Deduct* | *-208.22* | |
| | | *For >1,000, Deduct* | *-264.10* | |
| 26 56 19 00-0042 | EA | 48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series) | 1,372.26 | 168.26 |
| | | *For >50 To 100, Deduct* | *-68.61* | |
| | | *For >100 To 250, Deduct* | *-102.92* | |
| | | *For >250 To 500, Deduct* | *-163.12* | |
| | | *For >500 To 1,000, Deduct* | *-223.32* | |
| | | *For >1,000, Deduct* | *-283.52* | |

## 26 56 19 00-0043 LED Roadway Lighting (Lithonia) *(26 56 19 00-0034)*

## 26 56 19 00-0044 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) *(26 56 19 00-0043)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0045 | EA | 30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series) | 2,420.78 | 159.17 |
| | | *For >50 To 100, Deduct* | *-121.04* | |
| | | *For >100 To 250, Deduct* | *-181.56* | |
| | | *For >250 To 500, Deduct* | *-294.64* | |
| | | *For >500 To 1,000, Deduct* | *-407.72* | |
| | | *For >1,000, Deduct* | *-520.80* | |
| 26 56 19 00-0046 | EA | 60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series) | 4,015.91 | 163.72 |
| | | *For >50 To 100, Deduct* | *-200.80* | |
| | | *For >100 To 250, Deduct* | *-301.19* | |
| | | *For >250 To 500, Deduct* | *-493.80* | |
| | | *For >500 To 1,000, Deduct* | *-686.41* | |
| | | *For >1,000, Deduct* | *-879.02* | |

## 26 56 19 00-0047 LED Roadway Lighting (CREE® BetaLED®) *(26 56 19 00-0034)*

## 26 56 19 00-0048 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) *(26 56 19 00-0047)*

Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0049 | EA | 20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) | 961.55 | 154.62 |
| | | *For >50 To 100, Deduct* | *-48.08* | |
| | | *For >100 To 250, Deduct* | *-72.12* | |
| | | *For >250 To 500, Deduct* | *-112.46* | |
| | | *For >500 To 1,000, Deduct* | *-152.81* | |
| | | *For >1,000, Deduct* | *-193.16* | |
| 26 56 19 00-0050 | EA | 30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) | 1,081.26 | 159.17 |
| | | *For >50 To 100, Deduct* | *-54.06* | |
| | | *For >100 To 250, Deduct* | *-81.09* | |
| | | *For >250 To 500, Deduct* | *-127.20* | |
| | | *For >500 To 1,000, Deduct* | *-173.30* | |
| | | *For >1,000, Deduct* | *-219.41* | |
| 26 56 19 00-0051 | EA | 40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) | 1,225.78 | 163.72 |
| | | *For >50 To 100, Deduct* | *-61.29* | |
| | | *For >100 To 250, Deduct* | *-91.93* | |
| | | *For >250 To 500, Deduct* | *-145.04* | |
| | | *For >500 To 1,000, Deduct* | *-198.14* | |
| | | *For >1,000, Deduct* | *-251.24* | |
| 26 56 19 00-0052 | EA | 50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) | 1,347.40 | 168.26 |
| | | *For >50 To 100, Deduct* | *-67.37* | |
| | | *For >100 To 250, Deduct* | *-101.06* | |
| | | *For >250 To 500, Deduct* | *-160.01* | |
| | | *For >500 To 1,000, Deduct* | *-218.97* | |
| | | *For >1,000, Deduct* | *-277.93* | |
| 26 56 19 00-0053 | EA | 60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) | 1,469.03 | 172.81 |
| | | *For >50 To 100, Deduct* | *-73.45* | |
| | | *For >100 To 250, Deduct* | *-110.18* | |
| | | *For >250 To 500, Deduct* | *-174.99* | |
| | | *For >500 To 1,000, Deduct* | *-239.80* | |
| | | *For >1,000, Deduct* | *-304.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0054 | EA | 70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) | 1,758.50 | 177.35 |
| | | *For >50 To 100, Deduct* | *-87.93* | |
| | | *For >100 To 250, Deduct* | *-131.89* | |
| | | *For >250 To 500, Deduct* | *-210.94* | |
| | | *For >500 To 1,000, Deduct* | *-290.00* | |
| | | *For >1,000, Deduct* | *-369.06* | |
| 26 56 19 00-0055 | EA | 80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) | 1,880.13 | 181.90 |
| | | *For >50 To 100, Deduct* | *-94.01* | |
| | | *For >100 To 250, Deduct* | *-141.01* | |
| | | *For >250 To 500, Deduct* | *-225.92* | |
| | | *For >500 To 1,000, Deduct* | *-310.83* | |
| | | *For >1,000, Deduct* | *-395.74* | |
| 26 56 19 00-0056 | EA | 90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) | 1,999.86 | 186.45 |
| | | *For >50 To 100, Deduct* | *-99.99* | |
| | | *For >100 To 250, Deduct* | *-149.99* | |
| | | *For >250 To 500, Deduct* | *-240.66* | |
| | | *For >500 To 1,000, Deduct* | *-331.33* | |
| | | *For >1,000, Deduct* | *-422.00* | |
| 26 56 19 00-0057 | EA | 100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) | 2,234.00 | 191.00 |
| | | *For >50 To 100, Deduct* | *-111.70* | |
| | | *For >100 To 250, Deduct* | *-167.55* | |
| | | *For >250 To 500, Deduct* | *-269.70* | |
| | | *For >500 To 1,000, Deduct* | *-371.85* | |
| | | *For >1,000, Deduct* | *-474.00* | |
| 26 56 19 00-0058 | EA | 110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) | 2,355.63 | 195.55 |
| | | *For >50 To 100, Deduct* | *-117.78* | |
| | | *For >100 To 250, Deduct* | *-176.67* | |
| | | *For >250 To 500, Deduct* | *-284.68* | |
| | | *For >500 To 1,000, Deduct* | *-392.68* | |
| | | *For >1,000, Deduct* | *-500.69* | |
| 26 56 19 00-0059 | EA | 120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) | 2,477.27 | 200.09 |
| | | *For >50 To 100, Deduct* | *-123.86* | |
| | | *For >100 To 250, Deduct* | *-185.80* | |
| | | *For >250 To 500, Deduct* | *-299.65* | |
| | | *For >500 To 1,000, Deduct* | *-413.51* | |
| | | *For >1,000, Deduct* | *-527.37* | |

### 26 56 19 00-0060 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) *(26 56 19 00-0047)*

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0061 | EA | 40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) | 1,921.95 | 163.72 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-96.10* | |
| | | *For >100 To 250, Deduct* | *-144.15* | |
| | | *For >250 To 500, Deduct* | *-232.06* | |
| | | *For >500 To 1,000, Deduct* | *-319.97* | |
| | | *For >1,000, Deduct* | *-407.88* | |
| 26 56 19 00-0062 | EA | 60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) | 2,220.52 | 172.81 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-111.03* | |
| | | *For >100 To 250, Deduct* | *-166.54* | |
| | | *For >250 To 500, Deduct* | *-268.92* | |
| | | *For >500 To 1,000, Deduct* | *-371.31* | |
| | | *For >1,000, Deduct* | *-473.70* | |
| 26 56 19 00-0063 | EA | 80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) | 2,519.09 | 181.90 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-125.95* | |
| | | *For >100 To 250, Deduct* | *-188.93* | |
| | | *For >250 To 500, Deduct* | *-305.79* | |
| | | *For >500 To 1,000, Deduct* | *-422.65* | |
| | | *For >1,000, Deduct* | *-539.51* | |
| 26 56 19 00-0064 | EA | 100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) | 2,817.64 | 191.00 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-140.88* | |
| | | *For >100 To 250, Deduct* | *-211.32* | |
| | | *For >250 To 500, Deduct* | *-342.66* | |
| | | *For >500 To 1,000, Deduct* | *-473.99* | |
| | | *For >1,000, Deduct* | *-605.32* | |
| 26 56 19 00-0065 | EA | 120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) | 3,711.31 | 200.09 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-185.57* | |
| | | *For >100 To 250, Deduct* | *-278.35* | |
| | | *For >250 To 500, Deduct* | *-453.91* | |
| | | *For >500 To 1,000, Deduct* | *-629.47* | |
| | | *For >1,000, Deduct* | *-805.03* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0066 | EA | 140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) | 4,009.87 | 209.19 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-200.49* | |
| | | *For >100 To 250, Deduct* | *-300.74* | |
| | | *For >250 To 500, Deduct* | *-490.77* | |
| | | *For >500 To 1,000, Deduct* | *-680.81* | |
| | | *For >1,000, Deduct* | *-870.84* | |
| 26 56 19 00-0067 | EA | 160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) | 4,308.44 | 218.29 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-215.42* | |
| | | *For >100 To 250, Deduct* | *-323.13* | |
| | | *For >250 To 500, Deduct* | *-527.64* | |
| | | *For >500 To 1,000, Deduct* | *-732.15* | |
| | | *For >1,000, Deduct* | *-936.66* | |

## 26 56 19 00-0068 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) *(26 56 19 00-0047)*

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0069 | EA | 4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A) | 797.47 | 163.72 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Backlight Control Shield, Add* | *37.64* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Bird Spikes, Add* | *58.88* | |
| | | *For Field Adjustable Output And Utility Label, Add* | *44.99* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *67.48* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-39.87* | |
| | | *For >100 To 250, Deduct* | *-59.81* | |
| | | *For >250 To 500, Deduct* | *-91.50* | |
| | | *For >500 To 1,000, Deduct* | *-123.19* | |
| | | *For >1,000, Deduct* | *-154.87* | |
| 26 56 19 00-0070 | EA | 5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A) | 797.47 | 163.72 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Backlight Control Shield, Add* | *37.64* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Bird Spikes, Add* | *58.88* | |
| | | *For Field Adjustable Output And Utility Label, Add* | *44.99* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *67.48* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-39.87* | |
| | | *For >100 To 250, Deduct* | *-59.81* | |
| | | *For >250 To 500, Deduct* | *-91.50* | |
| | | *For >500 To 1,000, Deduct* | *-123.19* | |
| | | *For >1,000, Deduct* | *-154.87* | |
| 26 56 19 00-0071 | EA | 8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E) | 882.50 | 163.72 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Backlight Control Shield, Add* | *37.64* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Bird Spikes, Add* | *58.88* | |
| | | *For Field Adjustable Output And Utility Label, Add* | *44.99* | |
| | | *For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *67.48* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For >50 To 100, Deduct* | *-44.13* | |
| | | *For >100 To 250, Deduct* | *-66.19* | |
| | | *For >250 To 500, Deduct* | *-102.13* | |
| | | *For >500 To 1,000, Deduct* | *-138.07* | |
| | | *For >1,000, Deduct* | *-174.01* | |
| 26 56 19 00-0072 | EA | 8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E) | 882.50 | 163.72 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Backlight Control Shield, Add* | *37.64* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Bird Spikes, Add* | *58.88* | |
| | | *For Field Adjustable Output And Utility Label, Add* | *44.99* | |
| | | *For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *67.48* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For >50 To 100, Deduct* | *-44.13* | |
| | | *For >100 To 250, Deduct* | *-66.19* | |
| | | *For >250 To 500, Deduct* | *-102.13* | |
| | | *For >500 To 1,000, Deduct* | *-138.07* | |
| | | *For >1,000, Deduct* | *-174.01* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0073 | EA | 9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B) | 1,033.66 | 163.72 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Backlight Control Shield, Add* | *54.15* | |
| | | *For Field Adjustable Output And Utility Label, Add* | *44.99* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *67.48* | |
| | | *For Bird Spikes, Add* | *96.69* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-51.68* | |
| | | *For >100 To 250, Deduct* | *-77.52* | |
| | | *For >250 To 500, Deduct* | *-121.02* | |
| | | *For >500 To 1,000, Deduct* | *-164.52* | |
| | | *For >1,000, Deduct* | *-208.02* | |
| 26 56 19 00-0074 | EA | 10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B) | 1,033.66 | 163.72 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Backlight Control Shield, Add* | *54.15* | |
| | | *For Field Adjustable Output And Utility Label, Add* | *44.99* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *67.48* | |
| | | *For Bird Spikes, Add* | *96.69* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For >50 To 100, Deduct* | *-51.68* | |
| | | *For >100 To 250, Deduct* | *-77.52* | |
| | | *For >250 To 500, Deduct* | *-121.02* | |
| | | *For >500 To 1,000, Deduct* | *-164.52* | |
| | | *For >1,000, Deduct* | *-208.02* | |
| 26 56 19 00-0075 | EA | 13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F) | 1,175.39 | 163.72 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Backlight Control Shield, Add* | *54.15* | |
| | | *For Field Adjustable Output And Utility Label, Add* | *44.99* | |
| | | *For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *67.48* | |
| | | *For Bird Spikes, Add* | *96.69* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For >50 To 100, Deduct* | *-58.77* | |
| | | *For >100 To 250, Deduct* | *-88.15* | |
| | | *For >250 To 500, Deduct* | *-138.74* | |
| | | *For >500 To 1,000, Deduct* | *-189.32* | |
| | | *For >1,000, Deduct* | *-239.91* | |
| 26 56 19 00-0076 | EA | 14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F) | 1,175.39 | 163.72 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Backlight Control Shield, Add* | *54.15* | |
| | | *For Field Adjustable Output And Utility Label, Add* | *44.99* | |
| | | *For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *67.48* | |
| | | *For Bird Spikes, Add* | *96.69* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For >50 To 100, Deduct* | *-58.77* | |
| | | *For >100 To 250, Deduct* | *-88.15* | |
| | | *For >250 To 500, Deduct* | *-138.74* | |
| | | *For >500 To 1,000, Deduct* | *-189.32* | |
| | | *For >1,000, Deduct* | *-239.91* | |
| 26 56 19 00-0077 | EA | 2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G) | 646.30 | 163.72 |
| | | *For Utility Label, Add* | *11.24* | |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *33.75* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For >50 To 100, Deduct* | *-32.32* | |
| | | *For >100 To 250, Deduct* | *-48.47* | |
| | | *For >250 To 500, Deduct* | *-72.60* | |
| | | *For >500 To 1,000, Deduct* | *-96.73* | |
| | | *For >1,000, Deduct* | *-120.86* | |
| 26 56 19 00-0078 | EA | 2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G) | 646.30 | 163.72 |
| | | *For Utility Label, Add* | *11.24* | |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *33.75* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For >50 To 100, Deduct* | *-32.32* | |
| | | *For >100 To 250, Deduct* | *-48.47* | |
| | | *For >250 To 500, Deduct* | *-72.60* | |
| | | *For >500 To 1,000, Deduct* | *-96.73* | |
| | | *For >1,000, Deduct* | *-120.86* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0079 | EA | 3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C) | 681.73 | 163.72 |
| | | *For Utility Label, Add* | *11.24* | |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *33.75* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For >50 To 100, Deduct* | *-34.09* | |
| | | *For >100 To 250, Deduct* | *-51.13* | |
| | | *For >250 To 500, Deduct* | *-77.03* | |
| | | *For >500 To 1,000, Deduct* | *-102.93* | |
| | | *For >1,000, Deduct* | *-128.83* | |
| 26 56 19 00-0080 | EA | 4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C) | 681.73 | 163.72 |
| | | *For Utility Label, Add* | *11.24* | |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *33.75* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For >50 To 100, Deduct* | *-34.09* | |
| | | *For >100 To 250, Deduct* | *-51.13* | |
| | | *For >250 To 500, Deduct* | *-77.03* | |
| | | *For >500 To 1,000, Deduct* | *-102.93* | |
| | | *For >1,000, Deduct* | *-128.83* | |
| 26 56 19 00-0081 | EA | 4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A) | 693.54 | 163.72 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Field Adjustable Output And Utility Label, Add* | *44.99* | |
| | | *For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For >50 To 100, Deduct* | *-34.68* | |
| | | *For >100 To 250, Deduct* | *-52.02* | |
| | | *For >250 To 500, Deduct* | *-78.51* | |
| | | *For >500 To 1,000, Deduct* | *-105.00* | |
| | | *For >1,000, Deduct* | *-131.49* | |
| 26 56 19 00-0082 | EA | 4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A) | 693.54 | 163.72 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Field Adjustable Output And Utility Label, Add* | *44.99* | |
| | | *For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For >50 To 100, Deduct* | *-34.68* | |
| | | *For >100 To 250, Deduct* | *-52.02* | |
| | | *For >250 To 500, Deduct* | *-78.51* | |
| | | *For >500 To 1,000, Deduct* | *-105.00* | |
| | | *For >1,000, Deduct* | *-131.49* | |

## 26 56 19 00-0083 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

*(26 56 19 00-0047)*

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0084 | EA | 3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N) | 669.93 | 163.72 |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Backlight Control Shield, Add* | *72.61* | |
| | | *For Bird Spikes, Add* | *97.35* | |
| | | *For >50 To 100, Deduct* | *-33.50* | |
| | | *For >100 To 250, Deduct* | *-50.24* | |
| | | *For >250 To 500, Deduct* | *-75.56* | |
| | | *For >500 To 1,000, Deduct* | *-100.87* | |
| | | *For >1,000, Deduct* | *-126.18* | |
| 26 56 19 00-0085 | EA | 3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N) | 669.93 | 163.72 |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Backlight Control Shield, Add* | *72.61* | |
| | | *For Bird Spikes, Add* | *97.35* | |
| | | *For >50 To 100, Deduct* | *-33.50* | |
| | | *For >100 To 250, Deduct* | *-50.24* | |
| | | *For >250 To 500, Deduct* | *-75.56* | |
| | | *For >500 To 1,000, Deduct* | *-100.87* | |
| | | *For >1,000, Deduct* | *-126.18* | |
| 26 56 19 00-0086 | EA | 5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N) | 693.54 | 163.72 |
| | | *For Field Adjustable Output, Add* | *33.75* | |
| | | *For Backlight Control Shield, Add* | *72.61* | |
| | | *For Bird Spikes, Add* | *97.35* | |
| | | *For >50 To 100, Deduct* | *-34.68* | |
| | | *For >100 To 250, Deduct* | *-52.02* | |
| | | *For >250 To 500, Deduct* | *-78.51* | |
| | | *For >500 To 1,000, Deduct* | *-105.00* | |
| | | *For >1,000, Deduct* | *-131.49* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| | 26 56 19 00-0087 | EA | 5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N) | 693.54 | 163.72 |
| | | | *For Field Adjustable Output, Add* | *33.75* | |
| | | | *For Backlight Control Shield, Add* | *72.61* | |
| | | | *For Bird Spikes, Add* | *97.35* | |
| | | | *For >50 To 100, Deduct* | *-34.68* | |
| | | | *For >100 To 250, Deduct* | *-52.02* | |
| | | | *For >250 To 500, Deduct* | *-78.51* | |
| | | | *For >500 To 1,000, Deduct* | *-105.00* | |
| | | | *For >1,000, Deduct* | *-131.49* | |

## 26 56 19 00-0088 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0034)*

## 26 56 19 00-0089 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0088)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

| | | | | | |
|---|---|---|---|---|---|
| | 26 56 19 00-0090 | EA | 1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA) | 1,050.42 | 163.72 |
| | | | *For >50 To 100, Deduct* | *-52.52* | |
| | | | *For >100 To 250, Deduct* | *-78.78* | |
| | | | *For >250 To 500, Deduct* | *-123.12* | |
| | | | *For >500 To 1,000, Deduct* | *-167.45* | |
| | | | *For >1,000, Deduct* | *-211.79* | |
| | 26 56 19 00-0091 | EA | 2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA) | 1,429.11 | 181.90 |
| | | | *For >50 To 100, Deduct* | *-71.46* | |
| | | | *For >100 To 250, Deduct* | *-107.18* | |
| | | | *For >250 To 500, Deduct* | *-169.54* | |
| | | | *For >500 To 1,000, Deduct* | *-231.90* | |
| | | | *For >1,000, Deduct* | *-294.26* | |
| | 26 56 19 00-0092 | EA | 3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA) | 1,531.04 | 209.19 |
| | | | *For >50 To 100, Deduct* | *-76.55* | |
| | | | *For >100 To 250, Deduct* | *-114.83* | |
| | | | *For >250 To 500, Deduct* | *-180.92* | |
| | | | *For >500 To 1,000, Deduct* | *-247.01* | |
| | | | *For >1,000, Deduct* | *-313.11* | |
| | 26 56 19 00-0093 | EA | 4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA) | 2,289.30 | 227.37 |
| | | | *For >50 To 100, Deduct* | *-114.47* | |
| | | | *For >100 To 250, Deduct* | *-171.70* | |
| | | | *For >250 To 500, Deduct* | *-274.79* | |
| | | | *For >500 To 1,000, Deduct* | *-377.89* | |
| | | | *For >1,000, Deduct* | *-480.99* | |
| | 26 56 19 00-0094 | EA | 6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA) | 3,007.83 | 258.86 |
| | | | *For >50 To 100, Deduct* | *-150.39* | |
| | | | *For >100 To 250, Deduct* | *-225.59* | |
| | | | *For >250 To 500, Deduct* | *-363.04* | |
| | | | *For >500 To 1,000, Deduct* | *-500.48* | |
| | | | *For >1,000, Deduct* | *-637.93* | |

## 26 56 19 00-0095 LED Roadway Lighting (PlanLED) *(26 56 19 00-0034)*

## 26 56 19 00-0096 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

| | | | | | |
|---|---|---|---|---|---|
| | 26 56 19 00-0097 | EA | 8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W) | 1,267.46 | 159.17 |
| | | | *For >50 To 100, Deduct* | *-63.37* | |
| | | | *For >100 To 250, Deduct* | *-95.06* | |
| | | | *For >250 To 500, Deduct* | *-150.47* | |
| | | | *For >500 To 1,000, Deduct* | *-205.89* | |
| | | | *For >1,000, Deduct* | *-261.30* | |
| | 26 56 19 00-0098 | EA | 11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W) | 1,380.31 | 160.92 |
| | | | *For >50 To 100, Deduct* | *-69.02* | |
| | | | *For >100 To 250, Deduct* | *-103.52* | |
| | | | *For >250 To 500, Deduct* | *-164.49* | |
| | | | *For >500 To 1,000, Deduct* | *-225.46* | |
| | | | *For >1,000, Deduct* | *-286.43* | |
| | 26 56 19 00-0099 | EA | 15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W) | 1,469.01 | 163.72 |
| | | | *For >50 To 100, Deduct* | *-73.45* | |
| | | | *For >100 To 250, Deduct* | *-110.18* | |
| | | | *For >250 To 500, Deduct* | *-175.44* | |
| | | | *For >500 To 1,000, Deduct* | *-240.71* | |
| | | | *For >1,000, Deduct* | *-305.97* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 26 56 19 00-0100 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0101 | EA | 7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060) | 828.93 | 155.32 |
| | | *For >50 To 100, Deduct* | *-41.45* | |
| | | *For >100 To 250, Deduct* | *-62.17* | |
| | | *For >250 To 500, Deduct* | *-95.85* | |
| | | *For >500 To 1,000, Deduct* | *-129.53* | |
| | | *For >1,000, Deduct* | *-163.21* | |
| 26 56 19 00-0102 | EA | 10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080) | 889.21 | 158.12 |
| | | *For >50 To 100, Deduct* | *-44.46* | |
| | | *For >100 To 250, Deduct* | *-66.69* | |
| | | *For >250 To 500, Deduct* | *-103.25* | |
| | | *For >500 To 1,000, Deduct* | *-139.80* | |
| | | *For >1,000, Deduct* | *-176.36* | |
| 26 56 19 00-0103 | EA | 12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100) | 984.47 | 160.92 |
| | | *For >50 To 100, Deduct* | *-49.22* | |
| | | *For >100 To 250, Deduct* | *-73.84* | |
| | | *For >250 To 500, Deduct* | *-115.01* | |
| | | *For >500 To 1,000, Deduct* | *-156.19* | |
| | | *For >1,000, Deduct* | *-197.37* | |

### 26 56 19 00-0104 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0105 | EA | 13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100) | 1,047.89 | 160.92 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For 480 Volt, Add* | *94.53* | |
| | | *For >50 To 100, Deduct* | *-52.39* | |
| | | *For >100 To 250, Deduct* | *-78.59* | |
| | | *For >250 To 500, Deduct* | *-122.94* | |
| | | *For >500 To 1,000, Deduct* | *-167.29* | |
| | | *For >1,000, Deduct* | *-211.64* | |
| 26 56 19 00-0106 | EA | 16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130) | 1,164.41 | 162.31 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For 480 Volt, Add* | *28.56* | |
| | | *For >50 To 100, Deduct* | *-58.22* | |
| | | *For >100 To 250, Deduct* | *-87.33* | |
| | | *For >250 To 500, Deduct* | *-137.44* | |
| | | *For >500 To 1,000, Deduct* | *-187.54* | |
| | | *For >1,000, Deduct* | *-237.65* | |
| 26 56 19 00-0107 | EA | 19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150) | 1,254.69 | 163.72 |
| | | *For 0 To 10 Volt Dimming, Add* | *94.53* | |
| | | *For 480 Volt, Add* | *118.07* | |
| | | *For >50 To 100, Deduct* | *-62.73* | |
| | | *For >100 To 250, Deduct* | *-94.10* | |
| | | *For >250 To 500, Deduct* | *-148.65* | |
| | | *For >500 To 1,000, Deduct* | *-203.20* | |
| | | *For >1,000, Deduct* | *-257.75* | |

### 26 56 19 00-0108 LED Roadway Lighting (General Electric) *(26 56 19 00-0034)*

### 26 56 19 00-0109 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) *(26 56 19 00-0108)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0110 | EA | 2,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 AXBX 3 40 7 GRAY D) (DLC Certified) | 1,003.08 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-50.15* | |
| | | *For >100 To 250, Deduct* | *-75.23* | |
| | | *For >250 To 500, Deduct* | *-116.29* | |
| | | *For >500 To 1,000, Deduct* | *-157.35* | |
| | | *For >1,000, Deduct* | *-198.41* | |
| 26 56 19 00-0111 | EA | 2,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 2XBX 7 40 7 GRAY D) (DLC Certified) | 977.97 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-48.90* | |
| | | *For >100 To 250, Deduct* | *-73.35* | |
| | | *For >250 To 500, Deduct* | *-113.15* | |
| | | *For >500 To 1,000, Deduct* | *-152.95* | |
| | | *For >1,000, Deduct* | *-192.76* | |
| 26 56 19 00-0112 | EA | 4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 BXCX 5 40 7 GRAY D) (DLC Certified) | 1,028.20 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-51.41* | |
| | | *For >100 To 250, Deduct* | *-77.12* | |
| | | *For >250 To 500, Deduct* | *-119.43* | |
| | | *For >500 To 1,000, Deduct* | *-161.74* | |
| | | *For >1,000, Deduct* | *-204.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0113 | EA | 6,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 CXBX 7 40 7 GRAY D) (DLC Certified) | 1,199.43 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-59.97* | |
| | | *For >100 To 250, Deduct* | *-89.96* | |
| | | *For >250 To 500, Deduct* | *-140.83* | |
| | | *For >500 To 1,000, Deduct* | *-191.71* | |
| | | *For >1,000, Deduct* | *-242.59* | |
| 26 56 19 00-0114 | EA | 10,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 HXCX 5 40 7 GRAY D) (DLC Certified) | 1,452.86 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-72.64* | |
| | | *For >100 To 250, Deduct* | *-108.96* | |
| | | *For >250 To 500, Deduct* | *-172.51* | |
| | | *For >500 To 1,000, Deduct* | *-236.06* | |
| | | *For >1,000, Deduct* | *-299.61* | |
| 26 56 19 00-0115 | EA | 13,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 HXCX 7 40 7 GRAY D) (DLC Certified) | 1,452.86 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-72.64* | |
| | | *For >100 To 250, Deduct* | *-108.96* | |
| | | *For >250 To 500, Deduct* | *-172.51* | |
| | | *For >500 To 1,000, Deduct* | *-236.06* | |
| | | *For >1,000, Deduct* | *-299.61* | |
| 26 56 19 00-0116 | EA | 20,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS4 0 TXCX 5 40 7 GRAY D ) (DLC Certified) | 2,532.77 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-126.64* | |
| | | *For >100 To 250, Deduct* | *-189.96* | |
| | | *For >250 To 500, Deduct* | *-307.50* | |
| | | *For >500 To 1,000, Deduct* | *-425.04* | |
| | | *For >1,000, Deduct* | *-542.59* | |
| 26 56 19 00-0117 | EA | 2,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 2XBX 7 40 7 GRAY D) (DLC Certified) | 840.98 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-42.05* | |
| | | *For >100 To 250, Deduct* | *-63.07* | |
| | | *For >250 To 500, Deduct* | *-96.03* | |
| | | *For >500 To 1,000, Deduct* | *-128.98* | |
| | | *For >1,000, Deduct* | *-161.93* | |
| 26 56 19 00-0118 | EA | 4,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 AXCX 7 40 7 GRAY D) (DLC Certified) | 891.21 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-44.56* | |
| | | *For >100 To 250, Deduct* | *-66.84* | |
| | | *For >250 To 500, Deduct* | *-102.31* | |
| | | *For >500 To 1,000, Deduct* | *-137.77* | |
| | | *For >1,000, Deduct* | *-173.24* | |
| 26 56 19 00-0119 | EA | 7,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 BXBX 1 40 7 GRAY D) (DLC Certified) | 1,039.61 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-51.98* | |
| | | *For >100 To 250, Deduct* | *-77.97* | |
| | | *For >250 To 500, Deduct* | *-120.86* | |
| | | *For >500 To 1,000, Deduct* | *-163.74* | |
| | | *For >1,000, Deduct* | *-206.63* | |
| 26 56 19 00-0120 | EA | 11,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 DXCX 1 40 7 GRAY D) (DLC Certified) | 1,327.29 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-66.36* | |
| | | *For >100 To 250, Deduct* | *-99.55* | |
| | | *For >250 To 500, Deduct* | *-156.82* | |
| | | *For >500 To 1,000, Deduct* | *-214.09* | |
| | | *For >1,000, Deduct* | *-271.35* | |
| 26 56 19 00-0121 | EA | 13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 EXCX 1 40 7 GRAY D) (DLC Certified) | 1,363.82 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-68.19* | |
| | | *For >100 To 250, Deduct* | *-102.29* | |
| | | *For >250 To 500, Deduct* | *-161.38* | |
| | | *For >500 To 1,000, Deduct* | *-220.48* | |
| | | *For >1,000, Deduct* | *-279.57* | |
| 26 56 19 00-0122 | EA | 2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY) | 628.66 | 154.62 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-31.43* | |
| | | *For >100 To 250, Deduct* | *-47.15* | |
| | | *For >250 To 500, Deduct* | *-70.85* | |
| | | *For >500 To 1,000, Deduct* | *-94.55* | |
| | | *For >1,000, Deduct* | *-118.26* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0123 | EA | 3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY) | 632.85 | 156.72 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-31.64* | |
| | | *For >100 To 250, Deduct* | *-47.46* | |
| | | *For >250 To 500, Deduct* | *-71.27* | |
| | | *For >500 To 1,000, Deduct* | *-95.08* | |
| | | *For >1,000, Deduct* | *-118.88* | |
| 26 56 19 00-0124 | EA | 4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY) | 659.84 | 159.17 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-32.99* | |
| | | *For >100 To 250, Deduct* | *-49.49* | |
| | | *For >250 To 500, Deduct* | *-74.52* | |
| | | *For >500 To 1,000, Deduct* | *-99.56* | |
| | | *For >1,000, Deduct* | *-124.59* | |
| 26 56 19 00-0125 | EA | 5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY) | 687.45 | 160.92 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-34.37* | |
| | | *For >100 To 250, Deduct* | *-51.56* | |
| | | *For >250 To 500, Deduct* | *-77.89* | |
| | | *For >500 To 1,000, Deduct* | *-104.21* | |
| | | *For >1,000, Deduct* | *-130.54* | |
| 26 56 19 00-0126 | EA | 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY) | 760.74 | 164.41 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-38.04* | |
| | | *For >100 To 250, Deduct* | *-57.06* | |
| | | *For >250 To 500, Deduct* | *-86.87* | |
| | | *For >500 To 1,000, Deduct* | *-116.69* | |
| | | *For >1,000, Deduct* | *-146.50* | |
| 26 56 19 00-0127 | EA | 8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY) | 799.70 | 165.81 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-39.99* | |
| | | *For >100 To 250, Deduct* | *-59.98* | |
| | | *For >250 To 500, Deduct* | *-91.67* | |
| | | *For >500 To 1,000, Deduct* | *-123.37* | |
| | | *For >1,000, Deduct* | *-155.06* | |
| 26 56 19 00-0128 | EA | 9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY) | 872.90 | 168.26 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-43.65* | |
| | | *For >100 To 250, Deduct* | *-65.47* | |
| | | *For >250 To 500, Deduct* | *-100.70* | |
| | | *For >500 To 1,000, Deduct* | *-135.93* | |
| | | *For >1,000, Deduct* | *-171.16* | |
| 26 56 19 00-0129 | EA | 13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY) | 1,028.65 | 172.81 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-51.43* | |
| | | *For >100 To 250, Deduct* | *-77.15* | |
| | | *For >250 To 500, Deduct* | *-119.94* | |
| | | *For >500 To 1,000, Deduct* | *-162.73* | |
| | | *For >1,000, Deduct* | *-205.52* | |
| 26 56 19 00-0130 | EA | 19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY) | 1,207.55 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For >50 To 100, Deduct* | *-60.38* | |
| | | *For >100 To 250, Deduct* | *-90.57* | |
| | | *For >250 To 500, Deduct* | *-141.85* | |
| | | *For >500 To 1,000, Deduct* | *-193.13* | |
| | | *For >1,000, Deduct* | *-244.41* | |

### 26 56 19 00-0131 LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0034)*

### 26 56 19 00-0132 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0131)*

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0133 | EA | 4,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0) | 899.30 | 159.17 |
| | | *For >50 To 100, Deduct* | *-44.97* | |
| | | *For >100 To 250, Deduct* | *-67.45* | |
| | | *For >250 To 500, Deduct* | *-104.45* | |
| | | *For >500 To 1,000, Deduct* | *-141.46* | |
| | | *For >1,000, Deduct* | *-178.47* | |
| 26 56 19 00-0134 | EA | 9,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0) | 1,117.17 | 159.17 |
| | | *For >50 To 100, Deduct* | *-55.86* | |
| | | *For >100 To 250, Deduct* | *-83.79* | |
| | | *For >250 To 500, Deduct* | *-131.69* | |
| | | *For >500 To 1,000, Deduct* | *-179.59* | |
| | | *For >1,000, Deduct* | *-227.49* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0135 | EA | 12,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2) | 1,175.67 | 159.17 |
| | | *For >50 To 100, Deduct* | *-58.78* | |
| | | *For >100 To 250, Deduct* | *-88.18* | |
| | | *For >250 To 500, Deduct* | *-139.00* | |
| | | *For >500 To 1,000, Deduct* | *-189.83* | |
| | | *For >1,000, Deduct* | *-240.65* | |
| 26 56 19 00-0136 | EA | 4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70) | 1,228.15 | 159.17 |
| | | *For >50 To 100, Deduct* | *-61.41* | |
| | | *For >100 To 250, Deduct* | *-92.11* | |
| | | *For >250 To 500, Deduct* | *-145.56* | |
| | | *For >500 To 1,000, Deduct* | *-199.01* | |
| | | *For >1,000, Deduct* | *-252.46* | |
| 26 56 19 00-0137 | EA | 6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70) | 1,529.01 | 163.72 |
| | | *For >50 To 100, Deduct* | *-76.45* | |
| | | *For >100 To 250, Deduct* | *-114.68* | |
| | | *For >250 To 500, Deduct* | *-182.94* | |
| | | *For >500 To 1,000, Deduct* | *-251.21* | |
| | | *For >1,000, Deduct* | *-319.47* | |
| 26 56 19 00-0138 | EA | 9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70) | 2,139.04 | 168.26 |
| | | *For >50 To 100, Deduct* | *-106.95* | |
| | | *For >100 To 250, Deduct* | *-160.43* | |
| | | *For >250 To 500, Deduct* | *-258.97* | |
| | | *For >500 To 1,000, Deduct* | *-357.51* | |
| | | *For >1,000, Deduct* | *-456.05* | |
| 26 56 19 00-0139 | EA | 13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70) | 2,753.11 | 174.91 |
| | | *For >50 To 100, Deduct* | *-137.66* | |
| | | *For >100 To 250, Deduct* | *-206.48* | |
| | | *For >250 To 500, Deduct* | *-335.39* | |
| | | *For >500 To 1,000, Deduct* | *-464.30* | |
| | | *For >1,000, Deduct* | *-593.21* | |
| 26 56 19 00-0140 | EA | 17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70) | 3,353.43 | 179.81 |
| | | *For >50 To 100, Deduct* | *-167.67* | |
| | | *For >100 To 250, Deduct* | *-251.51* | |
| | | *For >250 To 500, Deduct* | *-410.19* | |
| | | *For >500 To 1,000, Deduct* | *-568.87* | |
| | | *For >1,000, Deduct* | *-727.55* | |

## 26 56 19 00-0141 LED Roadway Lighting (Leotek) *(26 56 19 00-0034)*

## 26 56 19 00-0142 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0141)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0143 | EA | Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL) | 643.17 | 159.17 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-32.16* | |
| | | *For >100 To 250, Deduct* | *-48.24* | |
| | | *For >250 To 500, Deduct* | *-72.44* | |
| | | *For >500 To 1,000, Deduct* | *-96.64* | |
| | | *For >1,000, Deduct* | *-120.84* | |
| 26 56 19 00-0144 | EA | Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL) | 657.22 | 160.92 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-32.86* | |
| | | *For >100 To 250, Deduct* | *-49.29* | |
| | | *For >250 To 500, Deduct* | *-74.11* | |
| | | *For >500 To 1,000, Deduct* | *-98.92* | |
| | | *For >1,000, Deduct* | *-123.74* | |
| 26 56 19 00-0145 | EA | Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL) | 701.49 | 161.97 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-35.07* | |
| | | *For >100 To 250, Deduct* | *-52.61* | |
| | | *For >250 To 500, Deduct* | *-79.59* | |
| | | *For >500 To 1,000, Deduct* | *-106.56* | |
| | | *For >1,000, Deduct* | *-133.54* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0146 | EA | Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL) | 815.34 | 168.26 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-40.77* | |
| | | *For >100 To 250, Deduct* | *-61.15* | |
| | | *For >250 To 500, Deduct* | *-93.50* | |
| | | *For >500 To 1,000, Deduct* | *-125.86* | |
| | | *For >1,000, Deduct* | *-158.21* | |
| 26 56 19 00-0147 | EA | Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL) | 955.22 | 172.81 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-47.76* | |
| | | *For >100 To 250, Deduct* | *-71.64* | |
| | | *For >250 To 500, Deduct* | *-110.76* | |
| | | *For >500 To 1,000, Deduct* | *-149.88* | |
| | | *For >1,000, Deduct* | *-189.00* | |
| 26 56 19 00-0148 | EA | Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL) | 960.82 | 175.60 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-48.04* | |
| | | *For >100 To 250, Deduct* | *-72.06* | |
| | | *For >250 To 500, Deduct* | *-111.32* | |
| | | *For >500 To 1,000, Deduct* | *-150.58* | |
| | | *For >1,000, Deduct* | *-189.84* | |
| 26 56 19 00-0149 | EA | Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL) | 1,179.45 | 178.40 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-58.97* | |
| | | *For >100 To 250, Deduct* | *-88.46* | |
| | | *For >250 To 500, Deduct* | *-138.51* | |
| | | *For >500 To 1,000, Deduct* | *-188.56* | |
| | | *For >1,000, Deduct* | *-238.62* | |
| 26 56 19 00-0150 | EA | Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL) | 1,237.08 | 181.90 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-61.85* | |
| | | *For >100 To 250, Deduct* | *-92.78* | |
| | | *For >250 To 500, Deduct* | *-145.54* | |
| | | *For >500 To 1,000, Deduct* | *-198.30* | |
| | | *For >1,000, Deduct* | *-251.06* | |
| 26 56 19 00-0151 | EA | Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL) | 1,381.90 | 184.70 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-69.10* | |
| | | *For >100 To 250, Deduct* | *-103.64* | |
| | | *For >250 To 500, Deduct* | *-163.50* | |
| | | *For >500 To 1,000, Deduct* | *-223.36* | |
| | | *For >1,000, Deduct* | *-283.22* | |
| 26 56 19 00-0152 | EA | Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL) | 1,482.41 | 187.50 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-74.12* | |
| | | *For >100 To 250, Deduct* | *-111.18* | |
| | | *For >250 To 500, Deduct* | *-175.93* | |
| | | *For >500 To 1,000, Deduct* | *-240.67* | |
| | | *For >1,000, Deduct* | *-305.42* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0153 | EA | Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL) | 745.81 | 160.92 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-37.29* | |
| | | *For >100 To 250, Deduct* | *-55.94* | |
| | | *For >250 To 500, Deduct* | *-85.18* | |
| | | *For >500 To 1,000, Deduct* | *-114.43* | |
| | | *For >1,000, Deduct* | *-143.67* | |
| 26 56 19 00-0154 | EA | Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL) | 819.59 | 165.11 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-40.98* | |
| | | *For >100 To 250, Deduct* | *-61.47* | |
| | | *For >250 To 500, Deduct* | *-94.19* | |
| | | *For >500 To 1,000, Deduct* | *-126.92* | |
| | | *For >1,000, Deduct* | *-159.64* | |
| 26 56 19 00-0155 | EA | Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL) | 884.95 | 168.26 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-44.25* | |
| | | *For >100 To 250, Deduct* | *-66.37* | |
| | | *For >250 To 500, Deduct* | *-102.21* | |
| | | *For >500 To 1,000, Deduct* | *-138.04* | |
| | | *For >1,000, Deduct* | *-173.87* | |
| 26 56 19 00-0156 | EA | Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL) | 941.16 | 172.11 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-47.06* | |
| | | *For >100 To 250, Deduct* | *-70.59* | |
| | | *For >250 To 500, Deduct* | *-109.04* | |
| | | *For >500 To 1,000, Deduct* | *-147.49* | |
| | | *For >1,000, Deduct* | *-185.94* | |
| 26 56 19 00-0157 | EA | Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL) | 998.81 | 173.51 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-49.94* | |
| | | *For >100 To 250, Deduct* | *-74.91* | |
| | | *For >250 To 500, Deduct* | *-116.18* | |
| | | *For >500 To 1,000, Deduct* | *-157.44* | |
| | | *For >1,000, Deduct* | *-198.71* | |
| 26 56 19 00-0158 | EA | Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL) | 1,190.68 | 179.81 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-59.53* | |
| | | *For >100 To 250, Deduct* | *-89.30* | |
| | | *For >250 To 500, Deduct* | *-139.85* | |
| | | *For >500 To 1,000, Deduct* | *-190.39* | |
| | | *For >1,000, Deduct* | *-240.93* | |
| 26 56 19 00-0159 | EA | Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL) | 1,347.46 | 183.30 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-67.37* | |
| | | *For >100 To 250, Deduct* | *-101.06* | |
| | | *For >250 To 500, Deduct* | *-159.27* | |
| | | *For >500 To 1,000, Deduct* | *-217.48* | |
| | | *For >1,000, Deduct* | *-275.68* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0160 | EA | Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL) | 1,433.22 | 184.00 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-71.66* | |
| | | *For >100 To 250, Deduct* | *-107.49* | |
| | | *For >250 To 500, Deduct* | *-169.95* | |
| | | *For >500 To 1,000, Deduct* | *-232.41* | |
| | | *For >1,000, Deduct* | *-294.87* | |
| 26 56 19 00-0161 | EA | Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL) | 1,515.46 | 186.10 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-75.77* | |
| | | *For >100 To 250, Deduct* | *-113.66* | |
| | | *For >250 To 500, Deduct* | *-180.13* | |
| | | *For >500 To 1,000, Deduct* | *-246.60* | |
| | | *For >1,000, Deduct* | *-313.06* | |
| 26 56 19 00-0162 | EA | Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP) | 800.51 | 175.60 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-40.03* | |
| | | *For >100 To 250, Deduct* | *-60.04* | |
| | | *For >250 To 500, Deduct* | *-91.28* | |
| | | *For >500 To 1,000, Deduct* | *-122.53* | |
| | | *For >1,000, Deduct* | *-153.77* | |
| 26 56 19 00-0163 | EA | Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP) | 867.28 | 177.35 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-43.36* | |
| | | *For >100 To 250, Deduct* | *-65.05* | |
| | | *For >250 To 500, Deduct* | *-99.54* | |
| | | *For >500 To 1,000, Deduct* | *-134.04* | |
| | | *For >1,000, Deduct* | *-168.53* | |
| 26 56 19 00-0164 | EA | Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL) | 614.33 | 160.56 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-30.72* | |
| | | *For >100 To 250, Deduct* | *-46.07* | |
| | | *For >250 To 500, Deduct* | *-68.76* | |
| | | *For >500 To 1,000, Deduct* | *-91.45* | |
| | | *For >1,000, Deduct* | *-114.14* | |
| 26 56 19 00-0165 | EA | Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL) | 625.56 | 161.97 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-31.28* | |
| | | *For >100 To 250, Deduct* | *-46.92* | |
| | | *For >250 To 500, Deduct* | *-70.10* | |
| | | *For >500 To 1,000, Deduct* | *-93.28* | |
| | | *For >1,000, Deduct* | *-116.46* | |
| 26 56 19 00-0166 | EA | Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL) | 680.37 | 165.11 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-34.02* | |
| | | *For >100 To 250, Deduct* | *-51.03* | |
| | | *For >250 To 500, Deduct* | *-76.79* | |
| | | *For >500 To 1,000, Deduct* | *-102.55* | |
| | | *For >1,000, Deduct* | *-128.32* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0167 | EA | Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL) | 1,050.78 | 178.40 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-52.54* | |
| | | *For >100 To 250, Deduct* | *-78.81* | |
| | | *For >250 To 500, Deduct* | *-122.43* | |
| | | *For >500 To 1,000, Deduct* | *-166.05* | |
| | | *For >1,000, Deduct* | *-209.66* | |
| 26 56 19 00-0168 | EA | Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL) | 1,374.16 | 184.00 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-68.71* | |
| | | *For >100 To 250, Deduct* | *-103.06* | |
| | | *For >250 To 500, Deduct* | *-162.57* | |
| | | *For >500 To 1,000, Deduct* | *-222.08* | |
| | | *For >1,000, Deduct* | *-281.59* | |
| 26 56 19 00-0169 | EA | Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL) | 1,223.69 | 184.70 |
| | | *For LightGrid™ Wireless Outdoor Controller, Add* | *20.00* | |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-61.18* | |
| | | *For >100 To 250, Deduct* | *-91.78* | |
| | | *For >250 To 500, Deduct* | *-143.73* | |
| | | *For >500 To 1,000, Deduct* | *-195.68* | |
| | | *For >1,000, Deduct* | *-247.62* | |
| 26 56 19 00-0170 | EA | Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY) | 589.72 | 160.92 |
| | | *For Twist Lock Shorting Cap, Add* | *10.04* | |
| | | *For ANSI 7-wire Photocontrol Receptacle, Add* | *30.13* | |
| | | *For Ripley Long-Life Twist Lock Photocontrol, Add* | *53.92* | |
| | | *For >50 To 100, Deduct* | *-29.49* | |
| | | *For >100 To 250, Deduct* | *-44.23* | |
| | | *For >250 To 500, Deduct* | *-65.67* | |
| | | *For >500 To 1,000, Deduct* | *-87.11* | |
| | | *For >1,000, Deduct* | *-108.55* | |

### 26 56 19 00-0171 LED, Area Fixtures *(26 56 19)*

### 26 56 19 00-0172 Pole Mount, LED Area Fixtures *(26 56 19 00-0171)*

### 26 56 19 00-0173 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) *(26 56 19 00-0172)*

Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0174 | EA | 20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED) | 2,497.18 | 118.94 |
| | | *For >50 To 100, Deduct* | *-124.86* | |
| | | *For >100 To 250, Deduct* | *-187.29* | |
| | | *For >250 To 500, Deduct* | *-306.20* | |
| | | *For >500 To 1,000, Deduct* | *-425.11* | |
| | | *For >1,000, Deduct* | *-544.02* | |
| 26 56 19 00-0175 | EA | 40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED) | 2,691.92 | 125.93 |
| | | *For >50 To 100, Deduct* | *-134.60* | |
| | | *For >100 To 250, Deduct* | *-201.89* | |
| | | *For >250 To 500, Deduct* | *-330.19* | |
| | | *For >500 To 1,000, Deduct* | *-458.49* | |
| | | *For >1,000, Deduct* | *-586.79* | |
| 26 56 19 00-0176 | EA | 80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED) | 2,900.64 | 139.92 |
| | | *For >50 To 100, Deduct* | *-145.03* | |
| | | *For >100 To 250, Deduct* | *-217.55* | |
| | | *For >250 To 500, Deduct* | *-355.58* | |
| | | *For >500 To 1,000, Deduct* | *-493.62* | |
| | | *For >1,000, Deduct* | *-631.66* | |
| 26 56 19 00-0177 | EA | 100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED) | 2,914.63 | 146.93 |
| | | *For >50 To 100, Deduct* | *-145.73* | |
| | | *For >100 To 250, Deduct* | *-218.60* | |
| | | *For >250 To 500, Deduct* | *-356.98* | |
| | | *For >500 To 1,000, Deduct* | *-495.37* | |
| | | *For >1,000, Deduct* | *-633.75* | |

### 26 56 19 00-0178 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) *(26 56 19 00-0172)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0179 | EA | 40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) | 1,419.15 | 125.93 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For Backlight Shielding, Add* | *26.70* | |
| | | *For Type II Medium Optic, Add* | *44.65* | |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-70.96* | |
| | | *For >100 To 250, Deduct* | *-106.44* | |
| | | *For >250 To 500, Deduct* | *-171.10* | |
| | | *For >500 To 1,000, Deduct* | *-235.76* | |
| | | *For >1,000, Deduct* | *-300.42* | |
| 26 56 19 00-0180 | EA | 60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) | 1,713.52 | 132.93 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For Backlight Shielding, Add* | *26.70* | |
| | | *For Type II Medium Optic, Add* | *45.35* | |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-85.68* | |
| | | *For >100 To 250, Deduct* | *-128.51* | |
| | | *For >250 To 500, Deduct* | *-207.54* | |
| | | *For >500 To 1,000, Deduct* | *-286.57* | |
| | | *For >1,000, Deduct* | *-365.60* | |
| 26 56 19 00-0181 | EA | 80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) | 2,120.42 | 139.92 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For Backlight Shielding, Add* | *26.70* | |
| | | *For Type II Medium Optic, Add* | *46.05* | |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-106.02* | |
| | | *For >100 To 250, Deduct* | *-159.03* | |
| | | *For >250 To 500, Deduct* | *-258.06* | |
| | | *For >500 To 1,000, Deduct* | *-357.08* | |
| | | *For >1,000, Deduct* | *-456.11* | |
| 26 56 19 00-0182 | EA | 100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) | 2,414.79 | 146.93 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For Backlight Shielding, Add* | *26.70* | |
| | | *For Type II Medium Optic, Add* | *46.75* | |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-120.74* | |
| | | *For >100 To 250, Deduct* | *-181.11* | |
| | | *For >250 To 500, Deduct* | *-294.50* | |
| | | *For >500 To 1,000, Deduct* | *-407.90* | |
| | | *For >1,000, Deduct* | *-521.29* | |
| 26 56 19 00-0183 | EA | 120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) | 2,709.15 | 153.92 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For Backlight Shielding, Add* | *26.70* | |
| | | *For Type II Medium Optic, Add* | *47.45* | |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-135.46* | |
| | | *For >100 To 250, Deduct* | *-203.19* | |
| | | *For >250 To 500, Deduct* | *-330.95* | |
| | | *For >500 To 1,000, Deduct* | *-458.71* | |
| | | *For >1,000, Deduct* | *-586.47* | |
| 26 56 19 00-0184 | EA | 140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) | 3,093.17 | 160.92 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For Backlight Shielding, Add* | *26.70* | |
| | | *For Type II Medium Optic, Add* | *48.15* | |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-154.66* | |
| | | *For >100 To 250, Deduct* | *-231.99* | |
| | | *For >250 To 500, Deduct* | *-378.60* | |
| | | *For >500 To 1,000, Deduct* | *-525.21* | |
| | | *For >1,000, Deduct* | *-671.83* | |
| 26 56 19 00-0185 | EA | 160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) | 3,387.54 | 167.91 |
| | | *For 480 Volt, Add* | *111.02* | |
| | | *For Backlight Shielding, Add* | *26.70* | |
| | | *For Type II Medium Optic, Add* | *48.85* | |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-169.38* | |
| | | *For >100 To 250, Deduct* | *-254.07* | |
| | | *For >250 To 500, Deduct* | *-415.05* | |
| | | *For >500 To 1,000, Deduct* | *-576.03* | |
| | | *For >1,000, Deduct* | *-737.01* | |

26 56 19 00-0186 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 19 00-0172)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0187 | EA | 120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) | 2,502.13 | 153.92 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For Bird Spikes, Add* | *50.83* | |
| | | *For 5,000K Color Temperature, Add* | *56.24* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For 480 Volt, Add* | *101.23* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For 1,000mA Driver, Add* | *188.98* | |
| | | *For >50 To 100, Deduct* | *-125.11* | |
| | | *For >100 To 250, Deduct* | *-187.66* | |
| | | *For >250 To 500, Deduct* | *-305.07* | |
| | | *For >500 To 1,000, Deduct* | *-422.48* | |
| | | *For >1,000, Deduct* | *-539.89* | |
| 26 56 19 00-0188 | EA | 240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) | 4,225.52 | 188.90 |
| | | *For 3 Or 7-Pin NEMA Photocell Receptacle, Add* | *22.49* | |
| | | *For 5,000K Color Temperature, Add* | *56.24* | |
| | | *For Fuse, Add* | *67.48* | |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For Bird Spikes, Add* | *75.59* | |
| | | *For Multi-Level, Add* | *146.21* | |
| | | *For 1,000mA Driver, Add* | *188.96* | |
| | | *For 480 Volt, Add* | *202.45* | |
| | | *For >50 To 100, Deduct* | *-211.28* | |
| | | *For >100 To 250, Deduct* | *-316.91* | |
| | | *For >250 To 500, Deduct* | *-518.75* | |
| | | *For >500 To 1,000, Deduct* | *-720.58* | |
| | | *For >1,000, Deduct* | *-922.41* | |

### 26 56 19 00-0189 Wall Mount, LED Area Fixtures *(26 56 19 00-0171)*

### 26 56 19 00-0190 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 19 00-0189)*

Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0191 | EA | 20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) | 1,107.26 | 118.94 |
| | | *For >50 To 100, Deduct* | *-55.36* | |
| | | *For >100 To 250, Deduct* | *-83.04* | |
| | | *For >250 To 500, Deduct* | *-132.46* | |
| | | *For >500 To 1,000, Deduct* | *-181.88* | |
| | | *For >1,000, Deduct* | *-231.29* | |
| 26 56 19 00-0192 | EA | 30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) | 1,135.24 | 132.93 |
| | | *For >50 To 100, Deduct* | *-56.76* | |
| | | *For >100 To 250, Deduct* | *-85.14* | |
| | | *For >250 To 500, Deduct* | *-135.26* | |
| | | *For >500 To 1,000, Deduct* | *-185.37* | |
| | | *For >1,000, Deduct* | *-235.49* | |

### 26 56 19 00-0193 Surface Mount, LED Parking Structure Fixtures *(26 56 19 00-0171)*

### 26 56 19 00-0194 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 19 00-0193)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0195 | EA | 40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) | 1,251.31 | 125.93 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-62.57* | |
| | | *For >100 To 250, Deduct* | *-93.85* | |
| | | *For >250 To 500, Deduct* | *-150.12* | |
| | | *For >500 To 1,000, Deduct* | *-206.39* | |
| | | *For >1,000, Deduct* | *-262.65* | |
| 26 56 19 00-0196 | EA | 60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) | 1,545.68 | 132.93 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-77.28* | |
| | | *For >100 To 250, Deduct* | *-115.93* | |
| | | *For >250 To 500, Deduct* | *-186.56* | |
| | | *For >500 To 1,000, Deduct* | *-257.20* | |
| | | *For >1,000, Deduct* | *-327.84* | |
| 26 56 19 00-0197 | EA | 80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) | 1,840.04 | 139.92 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-92.00* | |
| | | *For >100 To 250, Deduct* | *-138.00* | |
| | | *For >250 To 500, Deduct* | *-223.01* | |
| | | *For >500 To 1,000, Deduct* | *-308.01* | |
| | | *For >1,000, Deduct* | *-393.02* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0198 | EA | 100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) | 2,134.41 | 146.93 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-106.72* | |
| | | *For >100 To 250, Deduct* | *-160.08* | |
| | | *For >250 To 500, Deduct* | *-259.46* | |
| | | *For >500 To 1,000, Deduct* | *-358.83* | |
| | | *For >1,000, Deduct* | *-458.20* | |

### 26 56 19 00-0199 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 19 00-0193)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0200 | EA | 40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304) | 1,205.53 | 125.93 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-60.28* | |
| | | *For >100 To 250, Deduct* | *-90.41* | |
| | | *For >250 To 500, Deduct* | *-144.39* | |
| | | *For >500 To 1,000, Deduct* | *-198.37* | |
| | | *For >1,000, Deduct* | *-252.35* | |
| 26 56 19 00-0201 | EA | 60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304) | 1,332.05 | 132.93 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-66.60* | |
| | | *For >100 To 250, Deduct* | *-99.90* | |
| | | *For >250 To 500, Deduct* | *-159.86* | |
| | | *For >500 To 1,000, Deduct* | *-219.82* | |
| | | *For >1,000, Deduct* | *-279.77* | |

### 26 56 19 00-0202 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 19 00-0193)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0203 | EA | 3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL) | 1,032.61 | 125.93 |
| | | *For >50 To 100, Deduct* | *-51.63* | |
| | | *For >100 To 250, Deduct* | *-77.45* | |
| | | *For >250 To 500, Deduct* | *-122.78* | |
| | | *For >500 To 1,000, Deduct* | *-168.11* | |
| | | *For >1,000, Deduct* | *-213.45* | |

### 26 56 19 00-0204 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 19 00-0193)*

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0205 | EA | 70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG) | 2,056.48 | 132.93 |
| | | *For >50 To 100, Deduct* | *-102.82* | |
| | | *For >100 To 250, Deduct* | *-154.24* | |
| | | *For >250 To 500, Deduct* | *-250.41* | |
| | | *For >500 To 1,000, Deduct* | *-346.59* | |
| | | *For >1,000, Deduct* | *-442.77* | |
| 26 56 19 00-0206 | EA | 110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG) | 2,084.46 | 146.93 |
| | | *For >50 To 100, Deduct* | *-104.22* | |
| | | *For >100 To 250, Deduct* | *-156.33* | |
| | | *For >250 To 500, Deduct* | *-253.21* | |
| | | *For >500 To 1,000, Deduct* | *-350.09* | |
| | | *For >1,000, Deduct* | *-446.97* | |

### 26 56 19 00-0207 Surface Mount, LED Canopy Fixtures *(26 56 19 00-0171)*

### 26 56 19 00-0208 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) *(26 56 19 00-0207)*

Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0209 | EA | 40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) | 1,453.48 | 125.93 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-72.67* | |
| | | *For >100 To 250, Deduct* | *-109.01* | |
| | | *For >250 To 500, Deduct* | *-175.39* | |
| | | *For >500 To 1,000, Deduct* | *-241.77* | |
| | | *For >1,000, Deduct* | *-308.14* | |
| 26 56 19 00-0210 | EA | 60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) | 1,747.85 | 132.93 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-87.39* | |
| | | *For >100 To 250, Deduct* | *-131.09* | |
| | | *For >250 To 500, Deduct* | *-211.83* | |
| | | *For >500 To 1,000, Deduct* | *-292.58* | |
| | | *For >1,000, Deduct* | *-373.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0211 | EA | 80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) | 2,042.22 | 139.92 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-102.11* | |
| | | *For >100 To 250, Deduct* | *-153.17* | |
| | | *For >250 To 500, Deduct* | *-248.28* | |
| | | *For >500 To 1,000, Deduct* | *-343.40* | |
| | | *For >1,000, Deduct* | *-438.51* | |
| 26 56 19 00-0212 | EA | 100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) | 2,336.59 | 146.93 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-116.83* | |
| | | *For >100 To 250, Deduct* | *-175.24* | |
| | | *For >250 To 500, Deduct* | *-284.73* | |
| | | *For >500 To 1,000, Deduct* | *-394.21* | |
| | | *For >1,000, Deduct* | *-503.69* | |
| 26 56 19 00-0213 | EA | 120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) | 2,630.95 | 153.92 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-131.55* | |
| | | *For >100 To 250, Deduct* | *-197.32* | |
| | | *For >250 To 500, Deduct* | *-321.17* | |
| | | *For >500 To 1,000, Deduct* | *-445.02* | |
| | | *For >1,000, Deduct* | *-568.88* | |
| 26 56 19 00-0214 | EA | 140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) | 3,037.86 | 160.92 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-151.89* | |
| | | *For >100 To 250, Deduct* | *-227.84* | |
| | | *For >250 To 500, Deduct* | *-371.69* | |
| | | *For >500 To 1,000, Deduct* | *-515.53* | |
| | | *For >1,000, Deduct* | *-659.38* | |
| 26 56 19 00-0215 | EA | 160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) | 3,332.23 | 167.91 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-166.61* | |
| | | *For >100 To 250, Deduct* | *-249.92* | |
| | | *For >250 To 500, Deduct* | *-408.13* | |
| | | *For >500 To 1,000, Deduct* | *-566.35* | |
| | | *For >1,000, Deduct* | *-724.57* | |
| 26 56 19 00-0216 | EA | 200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) | 3,920.97 | 181.90 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-196.05* | |
| | | *For >100 To 250, Deduct* | *-294.07* | |
| | | *For >250 To 500, Deduct* | *-481.03* | |
| | | *For >500 To 1,000, Deduct* | *-667.98* | |
| | | *For >1,000, Deduct* | *-854.93* | |
| 26 56 19 00-0217 | EA | 240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) | 4,495.71 | 188.90 |
| | | *For Multi-Level Drive Currents, Add* | *267.03* | |
| | | *For >50 To 100, Deduct* | *-224.79* | |
| | | *For >100 To 250, Deduct* | *-337.18* | |
| | | *For >250 To 500, Deduct* | *-552.52* | |
| | | *For >500 To 1,000, Deduct* | *-767.86* | |
| | | *For >1,000, Deduct* | *-983.20* | |

### 26 56 19 00-0218 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 19 00-0207)*

Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0219 | EA | 8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250) | 998.91 | 139.92 |
| | | *For >50 To 100, Deduct* | *-49.95* | |
| | | *For >100 To 250, Deduct* | *-74.92* | |
| | | *For >250 To 500, Deduct* | *-117.87* | |
| | | *For >500 To 1,000, Deduct* | *-160.82* | |
| | | *For >1,000, Deduct* | *-203.77* | |

### 26 56 19 00-0220 Recessed Mount, LED Soffit Fixtures *(26 56 19 00-0171)*

### 26 56 19 00-0221 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 19 00-0220)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0222 | EA | 40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) | 1,228.42 | 125.93 |
| | | *For >50 To 100, Deduct* | *-61.42* | |
| | | *For >100 To 250, Deduct* | *-92.13* | |
| | | *For >250 To 500, Deduct* | *-147.26* | |
| | | *For >500 To 1,000, Deduct* | *-202.38* | |
| | | *For >1,000, Deduct* | *-257.50* | |
| 26 56 19 00-0223 | EA | 60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) | 1,354.94 | 132.93 |
| | | *For >50 To 100, Deduct* | *-67.75* | |
| | | *For >100 To 250, Deduct* | *-101.62* | |
| | | *For >250 To 500, Deduct* | *-162.72* | |
| | | *For >500 To 1,000, Deduct* | *-223.82* | |
| | | *For >1,000, Deduct* | *-284.92* | |

### 26 56 19 00-0224 Surface Mount, LED Area Fixtures *(26 56 19 00-0171)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 26 56 19 00-0225 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 19 00-0224)*

Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0226 | EA | 50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) | 667.10 | 125.93 |
| | | *For >50 To 100, Deduct* | *-33.36* | |
| | | *For >100 To 250, Deduct* | *-50.03* | |
| | | *For >250 To 500, Deduct* | *-77.09* | |
| | | *For >500 To 1,000, Deduct* | *-104.15* | |
| | | *For >1,000, Deduct* | *-131.21* | |
| 26 56 19 00-0227 | EA | 50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) | 1,497.61 | 125.93 |
| | | *For >50 To 100, Deduct* | *-74.88* | |
| | | *For >100 To 250, Deduct* | *-112.32* | |
| | | *For >250 To 500, Deduct* | *-180.90* | |
| | | *For >500 To 1,000, Deduct* | *-249.49* | |
| | | *For >1,000, Deduct* | *-318.07* | |
| 26 56 19 00-0228 | EA | 68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) | 1,243.79 | 139.92 |
| | | *For >50 To 100, Deduct* | *-62.19* | |
| | | *For >100 To 250, Deduct* | *-93.28* | |
| | | *For >250 To 500, Deduct* | *-148.48* | |
| | | *For >500 To 1,000, Deduct* | *-203.67* | |
| | | *For >1,000, Deduct* | *-258.86* | |
| 26 56 19 00-0229 | EA | 68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) | 1,541.24 | 139.92 |
| | | *For >50 To 100, Deduct* | *-77.06* | |
| | | *For >100 To 250, Deduct* | *-115.59* | |
| | | *For >250 To 500, Deduct* | *-185.66* | |
| | | *For >500 To 1,000, Deduct* | *-255.72* | |
| | | *For >1,000, Deduct* | *-325.79* | |

### 26 56 19 00-0230 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 19 00-0224)*

Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0231 | EA | 13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) | 215.70 | 45.39 |
| | | *For Knuckle Mount Or Trunnion Mount Base, Add* | *45.00* | |
| | | *For >50 To 100, Deduct* | *-10.79* | |
| | | *For >100 To 250, Deduct* | *-16.18* | |
| | | *For >250 To 500, Deduct* | *-25.07* | |
| | | *For >500 To 1,000, Deduct* | *-33.97* | |
| | | *For >1,000, Deduct* | *-42.86* | |
| 26 56 19 00-0232 | EA | 20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A) | 245.40 | 45.39 |
| | | *For Knuckle Mount Or Trunnion Mount Base, Add* | *45.00* | |
| | | *For >50 To 100, Deduct* | *-12.27* | |
| | | *For >100 To 250, Deduct* | *-18.41* | |
| | | *For >250 To 500, Deduct* | *-28.78* | |
| | | *For >500 To 1,000, Deduct* | *-39.16* | |
| | | *For >1,000, Deduct* | *-49.54* | |
| 26 56 19 00-0233 | EA | 30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A) | 302.00 | 45.39 |
| | | *For Knuckle Mount Or Trunnion Mount Base, Add* | *45.00* | |
| | | *For >50 To 100, Deduct* | *-15.10* | |
| | | *For >100 To 250, Deduct* | *-22.65* | |
| | | *For >250 To 500, Deduct* | *-35.86* | |
| | | *For >500 To 1,000, Deduct* | *-49.07* | |
| | | *For >1,000, Deduct* | *-62.28* | |

### 26 56 19 00-0234 Surface Mount, LED Multi-Purpose Area Fixture (Designplan LED VIM) *(26 56 19 00-0224)*

Note: Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and black, white or silver powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0235 | EA | 20 Watt, Surface Mount, LED Multi-Purpose Area Fixture With Integral Battery Backup (Designplan LED VIM) | 2,953.03 | 45.39 |
| | | *For >50 To 100, Deduct* | *-147.65* | |
| | | *For >100 To 250, Deduct* | *-221.48* | |
| | | *For >250 To 500, Deduct* | *-367.24* | |
| | | *For >500 To 1,000, Deduct* | *-513.00* | |
| | | *For >1,000, Deduct* | *-658.76* | |

### 26 56 19 00-0236 Surface Mount, LED Facade Fixtures *(26 56 19 00-0171)*

### 26 56 19 00-0237 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 19 00-0236)*

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0238 | EA | 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) | 782.66 | 52.98 |
| | | *For >50 To 100, Deduct* | *-39.13* | |
| | | *For >100 To 250, Deduct* | *-58.70* | |
| | | *For >250 To 500, Deduct* | *-95.82* | |
| | | *For >500 To 1,000, Deduct* | *-132.93* | |
| | | *For >1,000, Deduct* | *-170.05* | |
| 26 56 19 00-0239 | EA | 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) | 1,277.45 | 48.38 |
| | | *For >50 To 100, Deduct* | *-63.87* | |
| | | *For >100 To 250, Deduct* | *-95.81* | |
| | | *For >250 To 500, Deduct* | *-157.95* | |
| | | *For >500 To 1,000, Deduct* | *-220.10* | |
| | | *For >1,000, Deduct* | *-282.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0240 | EA | 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) | 1,632.49 | 40.31 |
| | | *For >50 To 100, Deduct* | *-81.62* | |
| | | *For >100 To 250, Deduct* | *-122.44* | |
| | | *For >250 To 500, Deduct* | *-202.62* | |
| | | *For >500 To 1,000, Deduct* | *-282.81* | |
| | | *For >1,000, Deduct* | *-362.99* | |
| 26 56 19 00-0241 | EA | 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) | 1,987.50 | 32.25 |
| | | *For >50 To 100, Deduct* | *-99.38* | |
| | | *For >100 To 250, Deduct* | *-149.06* | |
| | | *For >250 To 500, Deduct* | *-247.29* | |
| | | *For >500 To 1,000, Deduct* | *-345.51* | |
| | | *For >1,000, Deduct* | *-443.73* | |

## 26 56 19 00-0242 Post Top, LED Area Fixtures *(26 56 19 00-0171)*

## 26 56 19 00-0243 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 19 00-0242)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0244 | EA | 1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1) | 2,186.43 | 192.40 |
| | | *For >50 To 100, Deduct* | *-109.32* | |
| | | *For >100 To 250, Deduct* | *-163.98* | |
| | | *For >250 To 500, Deduct* | *-263.68* | |
| | | *For >500 To 1,000, Deduct* | *-363.39* | |
| | | *For >1,000, Deduct* | *-463.09* | |
| 26 56 19 00-0245 | EA | 3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2) | 2,416.31 | 192.40 |
| | | *For >50 To 100, Deduct* | *-120.82* | |
| | | *For >100 To 250, Deduct* | *-181.22* | |
| | | *For >250 To 500, Deduct* | *-292.42* | |
| | | *For >500 To 1,000, Deduct* | *-403.61* | |
| | | *For >1,000, Deduct* | *-514.81* | |
| 26 56 19 00-0246 | EA | 77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3) | 2,598.02 | 192.40 |
| | | *For >50 To 100, Deduct* | *-129.90* | |
| | | *For >100 To 250, Deduct* | *-194.85* | |
| | | *For >250 To 500, Deduct* | *-315.13* | |
| | | *For >500 To 1,000, Deduct* | *-435.41* | |
| | | *For >1,000, Deduct* | *-555.70* | |

## 26 56 19 00-0247 Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 19 00-0242)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0248 | EA | 3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3) | 2,580.62 | 192.40 |
| | | *For >50 To 100, Deduct* | *-129.03* | |
| | | *For >100 To 250, Deduct* | *-193.55* | |
| | | *For >250 To 500, Deduct* | *-312.96* | |
| | | *For >500 To 1,000, Deduct* | *-432.37* | |
| | | *For >1,000, Deduct* | *-551.78* | |
| 26 56 19 00-0249 | EA | 6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3) | 2,639.68 | 192.40 |
| | | *For >50 To 100, Deduct* | *-131.98* | |
| | | *For >100 To 250, Deduct* | *-197.98* | |
| | | *For >250 To 500, Deduct* | *-320.34* | |
| | | *For >500 To 1,000, Deduct* | *-442.70* | |
| | | *For >1,000, Deduct* | *-565.07* | |

## 26 56 19 00-0250 Post Top, LED Area Fixtures (General Electric EPTC) *(26 56 19 00-0242)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0251 | EA | 3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3) | 1,780.98 | 192.40 |
| | | *For >50 To 100, Deduct* | *-89.05* | |
| | | *For >100 To 250, Deduct* | *-133.57* | |
| | | *For >250 To 500, Deduct* | *-213.00* | |
| | | *For >500 To 1,000, Deduct* | *-292.43* | |
| | | *For >1,000, Deduct* | *-371.86* | |
| 26 56 19 00-0252 | EA | 6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3) | 1,869.37 | 192.40 |
| | | *For >50 To 100, Deduct* | *-93.47* | |
| | | *For >100 To 250, Deduct* | *-140.20* | |
| | | *For >250 To 500, Deduct* | *-224.05* | |
| | | *For >500 To 1,000, Deduct* | *-307.90* | |
| | | *For >1,000, Deduct* | *-391.75* | |

## 26 56 19 00-0253 Post Top, LED Area Fixtures (General Electric EPST) *(26 56 19 00-0242)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0254 | EA | 3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3) | 1,379.20 | 192.40 |
| | | *For >50 To 100, Deduct* | *-68.96* | |
| | | *For >100 To 250, Deduct* | *-103.44* | |
| | | *For >250 To 500, Deduct* | *-162.78* | |
| | | *For >500 To 1,000, Deduct* | *-222.12* | |
| | | *For >1,000, Deduct* | *-281.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 19 00-0255 | EA | 6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3) | 1,467.59 | 192.40 |
| | | *For >50 To 100, Deduct* | *-73.38* | |
| | | *For >100 To 250, Deduct* | *-110.07* | |
| | | *For >250 To 500, Deduct* | *-173.83* | |
| | | *For >500 To 1,000, Deduct* | *-237.59* | |
| | | *For >1,000, Deduct* | *-301.35* | |

### 26 56 19 00-0256 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 19 00-0242)*

Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0257 | EA | 13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR) | 3,291.55 | 192.40 |
| | | *For >50 To 100, Deduct* | *-164.58* | |
| | | *For >100 To 250, Deduct* | *-246.87* | |
| | | *For >250 To 500, Deduct* | *-401.82* | |
| | | *For >500 To 1,000, Deduct* | *-556.78* | |
| | | *For >1,000, Deduct* | *-711.74* | |

### 26 56 19 00-0258 LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) *(26 56 19 00-0242)*

Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0259 | EA | LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) | 906.69 | 104.95 |
| | | *For 0 To 10 Volt Dimming, Add* | *67.48* | |
| | | *For >50 To 100, Deduct* | *-45.33* | |
| | | *For >100 To 250, Deduct* | *-68.00* | |
| | | *For >250 To 500, Deduct* | *-108.09* | |
| | | *For >500 To 1,000, Deduct* | *-148.18* | |
| | | *For >1,000, Deduct* | *-188.26* | |

### 26 56 19 00-0260 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 19 00-0242)*

Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0261 | EA | LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) | 571.41 | 22.39 |
| | | *For Backlight Control Shield, Add* | *44.63* | |
| | | *For >50 To 100, Deduct* | *-28.57* | |
| | | *For >100 To 250, Deduct* | *-42.86* | |
| | | *For >250 To 500, Deduct* | *-69.19* | |
| | | *For >500 To 1,000, Deduct* | *-95.52* | |
| | | *For >1,000, Deduct* | *-121.85* | |

### 26 56 19 00-0262 Surface Mount, LED Strip Fixtures (Sylvania) *(26 56 19 00-0171)*

| | | | | |
|---|---|---|---|---|
| 26 56 19 00-0263 | EA | 4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D) | 540.57 | 42.15 |
| | | *For >50 To 100, Deduct* | *-27.03* | |
| | | *For >100 To 250, Deduct* | *-40.54* | |
| | | *For >250 To 500, Deduct* | *-65.99* | |
| | | *For >500 To 1,000, Deduct* | *-91.43* | |
| | | *For >1,000, Deduct* | *-116.88* | |

## 26 56 21 HID Exterior Lighting *(26 56)*

### 26 56 21 00-0001 High Mast Fixtures *(26 56 21)*

### 26 56 21 00-0002 Metal Halide, High Mast Fixtures *(26 56 21 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 56 21 00-0003 | EA | 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux | 1,985.77 | 173.14 |
| 26 56 21 00-0004 | EA | 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux | 2,122.24 | 173.14 |
| 26 56 21 00-0005 | EA | 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux | 2,104.18 | 197.79 |
| 26 56 21 00-0006 | EA | 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux | 2,186.06 | 197.79 |
| 26 56 21 00-0007 | EA | 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux | 2,211.05 | 247.24 |
| 26 56 21 00-0008 | EA | 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux | 2,292.94 | 247.24 |

### 26 56 21 00-0009 High Pressure Sodium, High Mast Fixtures *(26 56 21 00-0001)*

| | | | | |
|---|---|---|---|---|
| 26 56 21 00-0010 | EA | 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux | 2,051.25 | 173.14 |
| 26 56 21 00-0011 | EA | 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux | 2,133.13 | 173.14 |
| 26 56 21 00-0012 | EA | 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux | 2,483.36 | 183.02 |
| 26 56 21 00-0013 | EA | 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux | 2,544.08 | 197.79 |
| 26 56 21 00-0014 | EA | 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux | 2,691.89 | 247.24 |

### 26 56 21 00-0015 HID, Pole Mounted *(26 56 21)*

### 26 56 21 00-0016 Metal Halide, Pole Mounted *(26 56 21 00-0015)*

| | | | | |
|---|---|---|---|---|
| 26 56 21 00-0017 | EA | 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture | 717.62 | 282.31 |
| 26 56 21 00-0018 | EA | 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture | 807.35 | 306.45 |
| 26 56 21 00-0019 | EA | 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture | 941.09 | 329.65 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 21 00-0020 | EA | 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture | 1,194.26 | 386.35 |
| **26 56 21 00-0021** | | **High Pressure Sodium, Pole Mounted** *(26 56 21 00-0015)* | | |
| 26 56 21 00-0022 | EA | 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture | 847.51 | 329.65 |
| 26 56 21 00-0023 | EA | 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture | 872.97 | 329.65 |
| 26 56 21 00-0024 | EA | 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture | 913.35 | 329.65 |
| 26 56 21 00-0025 | EA | 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture | 1,020.53 | 329.65 |
| 26 56 21 00-0026 | EA | 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture | 1,177.89 | 329.65 |
| 26 56 21 00-0027 | EA | 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture | 1,149.12 | 329.65 |
| **26 56 21 00-0028** | | **Low Pressure Sodium, Pole Mounted** *(26 56 21 00-0015)* | | |
| 26 56 21 00-0029 | EA | 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed | 733.28 | 179.33 |
| 26 56 21 00-0030 | EA | 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed | 795.05 | 263.72 |
| 26 56 21 00-0031 | EA | 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed | 936.53 | 263.72 |
| **26 56 21 00-0032** | | **Metal Halide, Area Fixtures** *(26 56 21)* | | |
| **26 56 21 00-0033** | | **Metal Halide, Pole Mount, Area Fixtures** *(26 56 21 00-0032)* Note: Includes pulse start ballast. | | |
| 26 56 21 00-0034 | EA | 150 Watt, Metal Halide Area Fixture, Pole Mount | 1,181.21 | 174.23 |
| 26 56 21 00-0035 | EA | 175 Watt, Metal Halide Area Fixture, Pole Mount | 1,296.20 | 191.65 |
| 26 56 21 00-0036 | EA | 250 Watt, Metal Halide Area Fixture, Pole Mount | 1,433.83 | 209.07 |
| 26 56 21 00-0037 | EA | 400 Watt, Metal Halide Area Fixture, Pole Mount | 1,513.68 | 243.93 |
| **26 56 21 00-0038** | | **High Pressure Sodium, Area Fixtures** *(26 56 21)* | | |
| **26 56 21 00-0039** | | **Pole Mount, High Pressure Sodium Area Fixtures** *(26 56 21 00-0038)* | | |
| 26 56 21 00-0040 | EA | 100 Watt, High Pressure Sodium Area Fixture, Pole Mount | 981.96 | 139.39 |
| 26 56 21 00-0041 | EA | 150 Watt, High Pressure Sodium Area Fixture, Pole Mount | 1,065.99 | 174.23 |
| 26 56 21 00-0042 | EA | 250 Watt, High Pressure Sodium Area Fixture, Pole Mount | 1,153.86 | 209.07 |
| 26 56 21 00-0043 | EA | 400 Watt, High Pressure Sodium Area Fixture, Pole Mount | 1,213.66 | 243.93 |
| **26 56 21 00-0044** | | **Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21)* | | |
| **26 56 21 00-0045** | | **Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21 00-0044)* | | |
| 26 56 21 00-0046 | EA | 175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture | 675.12 | 263.72 |
| 26 56 21 00-0047 | EA | 250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture | 768.21 | 296.68 |
| 26 56 21 00-0048 | EA | 400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture | 919.43 | 329.65 |
| 26 56 21 00-0049 | EA | 1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture | 1,174.12 | 386.35 |
| **26 56 21 00-0050** | | **High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21 00-0044)* | | |
| 26 56 21 00-0051 | EA | 70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro) | 647.65 | 225.48 |
| 26 56 21 00-0052 | EA | 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro) | 703.40 | 239.99 |
| 26 56 21 00-0053 | EA | 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro) | 757.73 | 253.17 |
| 26 56 21 00-0054 | EA | 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture | 783.10 | 263.72 |
| 26 56 21 00-0055 | EA | 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture | 869.04 | 296.68 |
| 26 56 21 00-0056 | EA | 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture | 937.26 | 329.65 |
| 26 56 21 00-0057 | EA | 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture | 1,292.75 | 386.35 |
| **26 56 21 00-0058** | | **Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21)* | | |
| **26 56 21 00-0059** | | **High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21 00-0058)* Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws. | | |
| 26 56 21 00-0060 | EA | 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 829.23 | 178.01 |
| 26 56 21 00-0061 | EA | 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 859.31 | 197.79 |
| 26 56 21 00-0062 | EA | 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 917.52 | 225.48 |
| 26 56 21 00-0063 | EA | 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 942.43 | 239.99 |
| 26 56 21 00-0064 | EA | 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 968.13 | 253.17 |
| 26 56 21 00-0065 | EA | 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 1,014.47 | 263.72 |
| 26 56 21 00-0066 | EA | 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 1,111.98 | 296.68 |
| 26 56 21 00-0067 | EA | 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 1,352.68 | 329.65 |
| **26 56 21 00-0068** | | **Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21 00-0058)* Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws. | | |
| 26 56 21 00-0069 | EA | 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 912.87 | 197.79 |
| 26 56 21 00-0070 | EA | 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 962.90 | 225.48 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 21 00-0071 | EA | 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 995.49 | 239.99 |
| 26 56 21 00-0072 | EA | 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 1,037.46 | 253.17 |
| 26 56 21 00-0073 | EA | 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 1,059.88 | 263.72 |
| 26 56 21 00-0074 | EA | 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 1,159.70 | 296.68 |
| 26 56 21 00-0075 | EA | 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture | 1,479.64 | 329.65 |
| **26 56 21 00-0076** | | **Wall Packs** *(26 56 21)* | | |
| **26 56 21 00-0077** | | **Non-Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)* | | |
| | | Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS. | | |
| 26 56 21 00-0078 | EA | 13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack | 378.21 | 63.03 |
| 26 56 21 00-0079 | EA | 50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack | 405.99 | 63.03 |
| 26 56 21 00-0080 | EA | 35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack | 405.99 | 63.03 |
| 26 56 21 00-0081 | EA | 70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack | 540.69 | 63.03 |
| **26 56 21 00-0082** | | **Semi-Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)* | | |
| | | Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA. | | |
| 26 56 21 00-0083 | EA | 42 Watt Compact Fluorescent, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack | 758.11 | 63.03 |
| 26 56 21 00-0084 | EA | 50 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack | 768.11 | 63.03 |
| 26 56 21 00-0085 | EA | 70 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack | 776.75 | 63.03 |
| 26 56 21 00-0086 | EA | 100 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack | 760.99 | 63.03 |
| 26 56 21 00-0087 | EA | 70 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack | 696.16 | 63.03 |
| 26 56 21 00-0088 | EA | 100 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack | 660.56 | 63.03 |
| **26 56 21 00-0089** | | **Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)* | | |
| | | Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC. | | |
| 26 56 21 00-0090 | EA | 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack | 799.12 | 63.03 |
| 26 56 21 00-0091 | EA | 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack | 808.23 | 63.03 |
| 26 56 21 00-0092 | EA | 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack | 792.49 | 63.03 |
| 26 56 21 00-0093 | EA | 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack | 805.17 | 63.03 |
| 26 56 21 00-0094 | EA | 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack | 805.17 | 63.03 |
| **26 56 21 00-0095** | | **Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)* | | |
| | | Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1. | | |
| 26 56 21 00-0096 | EA | 70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack | 757.43 | 83.96 |
| 26 56 21 00-0097 | EA | 100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack | 757.43 | 83.96 |
| 26 56 21 00-0098 | EA | 175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack | 708.64 | 83.96 |
| 26 56 21 00-0099 | EA | 70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack | 727.34 | 83.96 |
| 26 56 21 00-0100 | EA | 100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack | 727.34 | 83.96 |
| 26 56 21 00-0101 | EA | 150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack | 673.25 | 83.96 |
| **26 56 21 00-0102** | | **Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)* | | |
| | | Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C. | | |
| 26 56 21 00-0103 | EA | 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack | 786.33 | 83.96 |
| 26 56 21 00-0104 | EA | 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack | 786.33 | 83.96 |
| 26 56 21 00-0105 | EA | 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack | 786.33 | 83.96 |
| 26 56 21 00-0106 | EA | 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack | 757.64 | 83.96 |
| 26 56 21 00-0107 | EA | 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack | 757.64 | 83.96 |
| 26 56 21 00-0108 | EA | 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack | 757.64 | 83.96 |
| **26 56 21 00-0109** | | **Full Cutoff, Tempered Glass Lens, Small Wall Packs** *(26 56 21 00-0076)* | | |
| | | Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S. | | |
| 26 56 21 00-0110 | EA | 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack | 1,019.84 | 83.96 |
| **26 56 21 00-0111** | | **Cutoff, Borosilicate Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)* | | |
| | | Note: Aluminum body and reflector. Lithonia TWR2. | | |
| 26 56 21 00-0112 | EA | 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack<br>Note: 9-1/4" x 17-7/8" x 9-3/8". | 954.69 | 104.00 |
| 26 56 21 00-0113 | EA | 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack<br>Note: 9-1/4" x 17-7/8" x 12-1/2". | 1,020.83 | 104.00 |
| 26 56 21 00-0114 | EA | 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack<br>Note: 9-1/4" x 17-7/8" x 9-3/8". | 1,099.68 | 104.00 |
| 26 56 21 00-0115 | EA | 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack<br>Note: 9-1/4" x 17-7/8" x 12-1/2". | 1,121.38 | 104.00 |
| **26 56 21 00-0116** | | **Cutoff, Tempered Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)* | | |
| | | Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C. | | |
| 26 56 21 00-0117 | EA | 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack | 1,039.76 | 104.00 |
| 26 56 21 00-0118 | EA | 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack | 1,114.07 | 104.00 |
| **26 56 21 00-0119** | | **Non-Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 21 00-0076)* | | |
| | | Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP. | | |
| 26 56 21 00-0120 | EA | 100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack | 955.35 | 126.07 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 21 00-0121 | EA | 175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack | 876.64 | 126.07 |
| 26 56 21 00-0122 | EA | 70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack | 937.13 | 126.07 |
| 26 56 21 00-0123 | EA | 100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack | 943.16 | 126.07 |
| 26 56 21 00-0124 | EA | 150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack | 949.47 | 126.07 |
| 26 56 21 00-0125 | | Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs *(26 56 21 00-0076)* | | |
| | | Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH. | | |
| 26 56 21 00-0126 | EA | 175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack | 955.37 | 126.07 |
| 26 56 21 00-0127 | EA | 250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack | 981.63 | 126.07 |
| 26 56 21 00-0128 | EA | 400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack | 1,060.34 | 126.07 |
| 26 56 21 00-0129 | EA | 150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack | 1,007.87 | 126.07 |
| 26 56 21 00-0130 | EA | 250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack | 1,034.14 | 126.07 |
| 26 56 21 00-0131 | EA | 400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack | 1,086.56 | 126.07 |
| 26 56 21 00-0132 | | Semi-Cutoff, Induction Wall Packs *(26 56 21 00-0076)* | | |
| 26 56 21 00-0133 | | Semi-Cutoff, Induction Wall Packs (Everlast®) *(26 56 21 00-0132)* | | |
| | | Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors. | | |
| 26 56 21 00-0134 | EA | 70 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70) | 1,243.35 | 118.94 |
| 26 56 21 00-0135 | EA | 80 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80) | 1,268.54 | 125.93 |
| 26 56 21 00-0136 | EA | 100 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100) | 1,293.73 | 132.93 |
| 26 56 21 00-0137 | EA | 120 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120) | 1,442.16 | 139.92 |
| 26 56 21 00-0138 | | Non-Cutoff, Polycarbonate Lens, Small Wall Packs *(26 56 21 00-0076)* | | |
| 26 56 21 00-0139 | EA | 15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P) | 390.45 | 63.03 |
| 26 56 21 00-0140 | | Induction, Roadway Lighting *(26 56 21)* | | |
| 26 56 21 00-0141 | | Induction Roadway Lighting (US Lighting Tech) *(26 56 21 00-0140)* | | |
| | | Note: Includes gray powder coat finish heavy-duty die cast aluminum body and flat glass lens. | | |
| 26 56 21 00-0142 | EA | 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) | 678.21 | 209.89 |
| 26 56 21 00-0143 | EA | 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) | 742.88 | 216.88 |
| 26 56 21 00-0144 | EA | 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) | 770.86 | 230.88 |
| 26 56 21 00-0145 | EA | 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) | 798.85 | 244.87 |
| 26 56 21 00-0146 | EA | 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) | 929.38 | 251.87 |
| 26 56 21 00-0147 | EA | 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) | 947.44 | 258.86 |
| 26 56 21 00-0148 | EA | 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) | 635.65 | 209.89 |
| 26 56 21 00-0149 | EA | 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) | 706.39 | 216.88 |
| 26 56 21 00-0150 | EA | 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) | 734.37 | 230.88 |
| 26 56 21 00-0151 | EA | 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) | 762.36 | 244.87 |
| 26 56 21 00-0152 | | Induction, Area Fixtures *(26 56 21)* | | |
| 26 56 21 00-0153 | | Post Top, Induction Area Fixtures *(26 56 21 00-0152)* | | |
| 26 56 21 00-0154 | | Post Top, Induction Area Fixtures (US Lighting Tech) *(26 56 21 00-0153)* | | |
| | | Note: Includes black powder coat finish heavy-duty die cast aluminum body and no-lite lid acrylic lens. | | |
| 26 56 21 00-0155 | EA | 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) | 750.65 | 192.40 |
| 26 56 21 00-0156 | EA | 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) | 809.43 | 192.40 |
| 26 56 21 00-0157 | EA | 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) | 809.43 | 192.40 |
| 26 56 21 00-0158 | EA | 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) | 809.43 | 192.40 |
| 26 56 21 00-0159 | | Surface Mount, Induction Parking Structure Fixtures *(26 56 21 00-0152)* | | |
| 26 56 21 00-0160 | | Surface Mount, Induction Parking Structure Fixtures (Everlast®) *(26 56 21 00-0159)* | | |
| 26 56 21 00-0161 | EA | 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) | 682.35 | 174.91 |
| 26 56 21 00-0162 | EA | 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) | 723.81 | 178.40 |
| 26 56 21 00-0163 | EA | 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) | 734.86 | 181.90 |
| 26 56 21 00-0164 | EA | 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) | 745.91 | 185.40 |
| 26 56 21 00-0165 | EA | 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) | 756.96 | 188.90 |
| 26 56 21 00-0166 | EA | 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) | 772.06 | 192.40 |
| 26 56 21 00-0167 | EA | 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) | 793.64 | 181.90 |
| 26 56 21 00-0168 | EA | 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) | 804.69 | 185.40 |
| 26 56 21 00-0169 | EA | 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) | 815.74 | 188.90 |
| 26 56 21 00-0170 | EA | 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) | 848.07 | 192.40 |
| 26 56 21 00-0171 | | Pole Mount, Induction Area Fixtures *(26 56 21 00-0152)* | | |
| 26 56 21 00-0172 | | Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 21 00-0171)* | | |
| | | Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 26 56 21 00-0173 | EA | 70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70) | 1,299.36 | 118.94 |
| 26 56 21 00-0174 | EA | 80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80) | 1,335.76 | 125.93 |
| 26 56 21 00-0175 | EA | 100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100) | 1,372.15 | 132.93 |

**END OF SECTION 26**

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

# 31 Earthwork

## 31 01 Maintenance of Earthwork *(31)*

### 31 01 20 Maintenance of Earth Moving *(31 01)*

31 01 20 00-0001 Rip Settling Basins *(31 01 20)*

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

| | | | | | |
|---|---|---|---|---|---|
| 31 01 20 00-0002 | ACR | Rip Light Soil And Sand, By Dozer | | 716.22 | |
| 31 01 20 00-0003 | ACR | Rip Light Soil And Sand, By Grader With Rear Ripper | | 1,128.59 | |
| 31 01 20 00-0004 | ACR | Rip Light Soil And Sand, By Rubber Tire Front End Loader | | 972.87 | |

## 31 05 Common Work Results for Earthwork *(31)*

### 31 05 13 Soils for Earthwork *(31 05)*

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) *(31 05 13)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

| | | | | | |
|---|---|---|---|---|---|
| 31 05 13 00-0002 | CY | Bank Run/Fill Sand | | 34.36 | |
| | | *For Up To 8, Add* | | *6.87* | |
| | | *For >8 To 16, Add* | | *3.44* | |
| | | *For >48 To 64, Deduct* | | *-2.55* | |
| | | *For >64 To 96, Deduct* | | *-4.27* | |
| | | *For >96 To 168, Deduct* | | *-5.98* | |
| | | *For >168 To 240, Deduct* | | *-7.26* | |
| | | *For >240, Deduct* | | *-8.53* | |
| 31 05 13 00-0003 | CY | Screened/Washed Filter/Septic Sand | | 40.49 | |
| | | *For Up To 8, Add* | | *8.10* | |
| | | *For >8 To 16, Add* | | *4.05* | |
| | | *For >48 To 64, Deduct* | | *-2.85* | |
| | | *For >64 To 96, Deduct* | | *-4.88* | |
| | | *For >96 To 168, Deduct* | | *-6.90* | |
| | | *For >168 To 240, Deduct* | | *-8.33* | |
| | | *For >240, Deduct* | | *-9.76* | |
| 31 05 13 00-0004 | CY | 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand | | 55.21 | |
| | | *For Up To 8, Add* | | *11.04* | |
| | | *For >8 To 16, Add* | | *5.52* | |
| | | *For >48 To 64, Deduct* | | *-3.59* | |
| | | *For >64 To 96, Deduct* | | *-6.35* | |
| | | *For >96 To 168, Deduct* | | *-9.11* | |
| | | *For >168 To 240, Deduct* | | *-10.91* | |
| | | *For >240, Deduct* | | *-12.70* | |
| 31 05 13 00-0005 | CY | 3/16" Minus, Screened/Washed Concrete Sand | | 49.69 | |
| | | *For Up To 8, Add* | | *9.94* | |
| | | *For >8 To 16, Add* | | *4.97* | |
| | | *For >48 To 64, Deduct* | | *-3.31* | |
| | | *For >64 To 96, Deduct* | | *-5.80* | |
| | | *For >96 To 168, Deduct* | | *-8.28* | |
| | | *For >168 To 240, Deduct* | | *-9.94* | |
| | | *For >240, Deduct* | | *-11.60* | |
| 31 05 13 00-0006 | CY | 3/32" Minus, Screened/Washed Masonry/Mortar Sand | | 87.70 | |
| | | *For Up To 8, Add* | | *17.54* | |
| | | *For >8 To 16, Add* | | *8.77* | |
| | | *For >48 To 64, Deduct* | | *-5.21* | |
| | | *For >64 To 96, Deduct* | | *-9.60* | |
| | | *For >96 To 168, Deduct* | | *-13.98* | |
| | | *For >168 To 240, Deduct* | | *-16.59* | |
| | | *For >240, Deduct* | | *-19.20* | |
| 31 05 13 00-0007 | CY | Common Fill, Native Soil/Dirt | | 39.04 | |
| | | *For Up To 8, Add* | | *7.81* | |
| | | *For >8 To 16, Add* | | *3.90* | |
| | | *For >48 To 64, Deduct* | | *-2.78* | |
| | | *For >64 To 96, Deduct* | | *-4.73* | |
| | | *For >96 To 168, Deduct* | | *-6.69* | |
| | | *For >168 To 240, Deduct* | | *-8.08* | |
| | | *For >240, Deduct* | | *-9.47* | |
| 31 05 13 00-0008 | CY | Lime Rock Screening | | 38.19 | |
| | | *For Up To 8, Add* | | *7.64* | |
| | | *For >8 To 16, Add* | | *3.82* | |
| | | *For >48 To 64, Deduct* | | *-2.74* | |
| | | *For >64 To 96, Deduct* | | *-4.65* | |
| | | *For >96 To 168, Deduct* | | *-6.56* | |
| | | *For >168 To 240, Deduct* | | *-7.93* | |
| | | *For >240, Deduct* | | *-9.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 05 13 00-0009 | CY | Crushed Lime Rock Maximum 3-1/2" | 38.19 | |
| | | *For Up To 8, Add* | *7.64* | |
| | | *For >8 To 16, Add* | *3.82* | |
| | | *For >48 To 64, Deduct* | *-2.74* | |
| | | *For >64 To 96, Deduct* | *-4.65* | |
| | | *For >96 To 168, Deduct* | *-6.56* | |
| | | *For >168 To 240, Deduct* | *-7.93* | |
| | | *For >240, Deduct* | *-9.30* | |
| 31 05 13 00-0010 | CY | Sand/Clay | 37.85 | |
| | | *For Up To 8, Add* | *7.57* | |
| | | *For >8 To 16, Add* | *3.79* | |
| | | *For >48 To 64, Deduct* | *-2.72* | |
| | | *For >64 To 96, Deduct* | *-4.61* | |
| | | *For >96 To 168, Deduct* | *-6.51* | |
| | | *For >168 To 240, Deduct* | *-7.87* | |
| | | *For >240, Deduct* | *-9.23* | |
| 31 05 13 00-0011 | CY | Recycled Concrete Aggregate | 34.44 | |
| | | *For Up To 8, Add* | *6.89* | |
| | | *For >8 To 16, Add* | *3.44* | |
| | | *For >48 To 64, Deduct* | *-2.55* | |
| | | *For >64 To 96, Deduct* | *-4.27* | |
| | | *For >96 To 168, Deduct* | *-6.00* | |
| | | *For >168 To 240, Deduct* | *-7.27* | |
| | | *For >240, Deduct* | *-8.55* | |
| 31 05 13 00-0012 | CY | Pit Run Clay | 55.09 | |
| | | *For Up To 8, Add* | *11.02* | |
| | | *For >8 To 16, Add* | *5.51* | |
| | | *For >48 To 64, Deduct* | *-3.58* | |
| | | *For >64 To 96, Deduct* | *-6.34* | |
| | | *For >96 To 168, Deduct* | *-9.09* | |
| | | *For >168 To 240, Deduct* | *-10.88* | |
| | | *For >240, Deduct* | *-12.68* | |
| 31 05 13 00-0013 | CY | Light Clay / Loam | 45.41 | |
| | | *For Up To 8, Add* | *9.08* | |
| | | *For >8 To 16, Add* | *4.54* | |
| | | *For >48 To 64, Deduct* | *-3.10* | |
| | | *For >64 To 96, Deduct* | *-5.37* | |
| | | *For >96 To 168, Deduct* | *-7.64* | |
| | | *For >168 To 240, Deduct* | *-9.19* | |
| | | *For >240, Deduct* | *-10.74* | |
| 31 05 13 00-0014 | CY | Heavy Clay | 55.09 | |
| | | *For Up To 8, Add* | *11.02* | |
| | | *For >8 To 16, Add* | *5.51* | |
| | | *For >48 To 64, Deduct* | *-3.58* | |
| | | *For >64 To 96, Deduct* | *-6.34* | |
| | | *For >96 To 168, Deduct* | *-9.09* | |
| | | *For >168 To 240, Deduct* | *-10.88* | |
| | | *For >240, Deduct* | *-12.68* | |

## 31 05 16 Aggregates for Earthwork *(31 05)*

See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

### 31 05 16 00-0001 Aggregate (Loose, Purchased Material) *(31 05 16)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles, 01 74 19 00-0043 for hauling greater than 15 miles.

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 05 16 00-0002 | CY | #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean) | 50.49 | |
| | | *For Up To 8, Add* | *10.10* | |
| | | *For >8 To 16, Add* | *5.05* | |
| | | *For >48 To 64, Deduct* | *-3.35* | |
| | | *For >64 To 96, Deduct* | *-5.88* | |
| | | *For >96 To 168, Deduct* | *-8.40* | |
| | | *For >168 To 240, Deduct* | *-10.08* | |
| | | *For >240, Deduct* | *-11.76* | |
| 31 05 16 00-0003 | CY | #3 Stone Aggregate Fill (1" To 2" Clean) | 52.47 | |
| | | *For Up To 8, Add* | *10.49* | |
| | | *For >8 To 16, Add* | *5.25* | |
| | | *For >48 To 64, Deduct* | *-3.45* | |
| | | *For >64 To 96, Deduct* | *-6.08* | |
| | | *For >96 To 168, Deduct* | *-8.70* | |
| | | *For >168 To 240, Deduct* | *-10.43* | |
| | | *For >240, Deduct* | *-12.15* | |
| 31 05 16 00-0004 | CY | #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean) | 50.49 | |
| | | *For Up To 8, Add* | *10.10* | |
| | | *For >8 To 16, Add* | *5.05* | |
| | | *For >48 To 64, Deduct* | *-3.35* | |
| | | *For >64 To 96, Deduct* | *-5.88* | |
| | | *For >96 To 168, Deduct* | *-8.40* | |
| | | *For >168 To 240, Deduct* | *-10.08* | |
| | | *For >240, Deduct* | *-11.76* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 05 16 00-0005 | CY | #5 Stone Aggregate Fill (1/2" To 1" Clean) | 53.91 | |
| | | *For Up To 8, Add* | *10.78* | |
| | | *For >8 To 16, Add* | *5.39* | |
| | | *For >48 To 64, Deduct* | *-3.52* | |
| | | *For >64 To 96, Deduct* | *-6.22* | |
| | | *For >96 To 168, Deduct* | *-8.92* | |
| | | *For >168 To 240, Deduct* | *-10.68* | |
| | | *For >240, Deduct* | *-12.44* | |
| 31 05 16 00-0006 | CY | #6 Stone Aggregate Fill (3/8" To 3/4" Clean) | 55.93 | |
| | | *For Up To 8, Add* | *11.19* | |
| | | *For >8 To 16, Add* | *5.59* | |
| | | *For >48 To 64, Deduct* | *-3.63* | |
| | | *For >64 To 96, Deduct* | *-6.42* | |
| | | *For >96 To 168, Deduct* | *-9.22* | |
| | | *For >168 To 240, Deduct* | *-11.03* | |
| | | *For >240, Deduct* | *-12.84* | |
| 31 05 16 00-0007 | CY | #56 Stone Aggregate Fill (3/8" To 1") | 54.23 | |
| | | *For Up To 8, Add* | *10.85* | |
| | | *For >8 To 16, Add* | *5.42* | |
| | | *For >48 To 64, Deduct* | *-3.54* | |
| | | *For >64 To 96, Deduct* | *-6.25* | |
| | | *For >96 To 168, Deduct* | *-8.96* | |
| | | *For >168 To 240, Deduct* | *-10.73* | |
| | | *For >240, Deduct* | *-12.50* | |
| 31 05 16 00-0008 | CY | #57 Stone Aggregate Fill (3/8" To 1") | 57.75 | |
| | | *For Up To 8, Add* | *11.55* | |
| | | *For >8 To 16, Add* | *5.78* | |
| | | *For >48 To 64, Deduct* | *-3.72* | |
| | | *For >64 To 96, Deduct* | *-6.60* | |
| | | *For >96 To 168, Deduct* | *-9.49* | |
| | | *For >168 To 240, Deduct* | *-11.35* | |
| | | *For >240, Deduct* | *-13.21* | |
| 31 05 16 00-0009 | CY | #67 Or #68 Stone Aggregate Fill (3/16" To 3/4") | 52.36 | |
| | | *For Up To 8, Add* | *10.47* | |
| | | *For >8 To 16, Add* | *5.24* | |
| | | *For >48 To 64, Deduct* | *-3.45* | |
| | | *For >64 To 96, Deduct* | *-6.07* | |
| | | *For >96 To 168, Deduct* | *-8.68* | |
| | | *For >168 To 240, Deduct* | *-10.41* | |
| | | *For >240, Deduct* | *-12.13* | |
| 31 05 16 00-0010 | CY | #7 Stone Aggregate Fill (3/8" To 1/2") | 53.34 | |
| | | *For Up To 8, Add* | *10.67* | |
| | | *For >8 To 16, Add* | *5.33* | |
| | | *For >48 To 64, Deduct* | *-3.50* | |
| | | *For >64 To 96, Deduct* | *-6.16* | |
| | | *For >96 To 168, Deduct* | *-8.83* | |
| | | *For >168 To 240, Deduct* | *-10.58* | |
| | | *For >240, Deduct* | *-12.33* | |
| 31 05 16 00-0011 | CY | #78 Stone Aggregate Fill (3/32" To 1/2") | 53.77 | |
| | | *For Up To 8, Add* | *10.75* | |
| | | *For >8 To 16, Add* | *5.38* | |
| | | *For >48 To 64, Deduct* | *-3.52* | |
| | | *For >64 To 96, Deduct* | *-6.21* | |
| | | *For >96 To 168, Deduct* | *-8.89* | |
| | | *For >168 To 240, Deduct* | *-10.65* | |
| | | *For >240, Deduct* | *-12.41* | |
| 31 05 16 00-0012 | CY | #8 Stone Aggregate Fill (3/32" To 3/8") | 55.93 | |
| | | *For Up To 8, Add* | *11.19* | |
| | | *For >8 To 16, Add* | *5.59* | |
| | | *For >48 To 64, Deduct* | *-3.63* | |
| | | *For >64 To 96, Deduct* | *-6.42* | |
| | | *For >96 To 168, Deduct* | *-9.22* | |
| | | *For >168 To 240, Deduct* | *-11.03* | |
| | | *For >240, Deduct* | *-12.84* | |
| 31 05 16 00-0013 | CY | #89 Stone Aggregate Fill (1/16" To 3/8") | 56.54 | |
| | | *For Up To 8, Add* | *11.31* | |
| | | *For >8 To 16, Add* | *5.65* | |
| | | *For >48 To 64, Deduct* | *-3.66* | |
| | | *For >64 To 96, Deduct* | *-6.48* | |
| | | *For >96 To 168, Deduct* | *-9.31* | |
| | | *For >168 To 240, Deduct* | *-11.14* | |
| | | *For >240, Deduct* | *-12.97* | |
| 31 05 16 00-0014 | CY | #9 Stone Aggregate Fill (3/32" To 3/16") | 55.93 | |
| | | *For Up To 8, Add* | *11.19* | |
| | | *For >8 To 16, Add* | *5.59* | |
| | | *For >48 To 64, Deduct* | *-3.63* | |
| | | *For >64 To 96, Deduct* | *-6.42* | |
| | | *For >96 To 168, Deduct* | *-9.22* | |
| | | *For >168 To 240, Deduct* | *-11.03* | |
| | | *For >240, Deduct* | *-12.84* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 05 16 00-0015 | CY | #10 Stone Aggregate Fill (1/16" To 3/16") | 57.18 | |
| | | *For Up To 8, Add* | *11.44* | |
| | | *For >8 To 16, Add* | *5.72* | |
| | | *For >48 To 64, Deduct* | *-3.69* | |
| | | *For >64 To 96, Deduct* | *-6.55* | |
| | | *For >96 To 168, Deduct* | *-9.41* | |
| | | *For >168 To 240, Deduct* | *-11.25* | |
| | | *For >240, Deduct* | *-13.09* | |
| 31 05 16 00-0016 | CY | #610 Modified Stone Aggregate Fill (1/16" To 3/4") | 56.54 | |
| | | *For Up To 8, Add* | *11.31* | |
| | | *For >8 To 16, Add* | *5.65* | |
| | | *For >48 To 64, Deduct* | *-3.66* | |
| | | *For >64 To 96, Deduct* | *-6.48* | |
| | | *For >96 To 168, Deduct* | *-9.31* | |
| | | *For >168 To 240, Deduct* | *-11.14* | |
| | | *For >240, Deduct* | *-12.97* | |
| 31 05 16 00-0017 | CY | Screenings Stone Aggregate Fill (3/16" Max) | 47.70 | |
| | | *For Up To 8, Add* | *9.54* | |
| | | *For >8 To 16, Add* | *4.77* | |
| | | *For >48 To 64, Deduct* | *-3.21* | |
| | | *For >64 To 96, Deduct* | *-5.60* | |
| | | *For >96 To 168, Deduct* | *-7.98* | |
| | | *For >168 To 240, Deduct* | *-9.59* | |
| | | *For >240, Deduct* | *-11.20* | |
| 31 05 16 00-0018 | CY | Over 6" To 12" Stone Aggregate Fill, Random Size | 51.70 | |
| | | *For Up To 8, Add* | *10.34* | |
| | | *For >8 To 16, Add* | *5.17* | |
| | | *For >48 To 64, Deduct* | *-3.41* | |
| | | *For >64 To 96, Deduct* | *-6.00* | |
| | | *For >96 To 168, Deduct* | *-8.58* | |
| | | *For >168 To 240, Deduct* | *-10.29* | |
| | | *For >240, Deduct* | *-12.00* | |
| 31 05 16 00-0019 | CY | Over 6" To 12" Graded Stone Aggregate Fill | 51.70 | |
| | | *For Up To 8, Add* | *10.34* | |
| | | *For >8 To 16, Add* | *5.17* | |
| | | *For >48 To 64, Deduct* | *-3.41* | |
| | | *For >64 To 96, Deduct* | *-6.00* | |
| | | *For >96 To 168, Deduct* | *-8.58* | |
| | | *For >168 To 240, Deduct* | *-10.29* | |
| | | *For >240, Deduct* | *-12.00* | |
| 31 05 16 00-0020 | CY | 3" To 7" Surge Stone Aggregate Fill, Random Size | 55.69 | |
| | | *For Up To 8, Add* | *11.14* | |
| | | *For >8 To 16, Add* | *5.57* | |
| | | *For >48 To 64, Deduct* | *-3.61* | |
| | | *For >64 To 96, Deduct* | *-6.40* | |
| | | *For >96 To 168, Deduct* | *-9.18* | |
| | | *For >168 To 240, Deduct* | *-10.99* | |
| | | *For >240, Deduct* | *-12.80* | |
| 31 05 16 00-0021 | CY | 3" To 7" Surge Stone Graded Aggregate Fill | 58.54 | |
| | | *For Up To 8, Add* | *11.71* | |
| | | *For >8 To 16, Add* | *5.85* | |
| | | *For >48 To 64, Deduct* | *-3.76* | |
| | | *For >64 To 96, Deduct* | *-6.68* | |
| | | *For >96 To 168, Deduct* | *-9.61* | |
| | | *For >168 To 240, Deduct* | *-11.49* | |
| | | *For >240, Deduct* | *-13.37* | |
| 31 05 16 00-0022 | CY | Crusher Run Aggregate Fill (2-1/2" Minus) | 33.79 | |
| | | *For Up To 8, Add* | *6.76* | |
| | | *For >8 To 16, Add* | *3.38* | |
| | | *For >48 To 64, Deduct* | *-2.52* | |
| | | *For >64 To 96, Deduct* | *-4.21* | |
| | | *For >96 To 168, Deduct* | *-5.90* | |
| | | *For >168 To 240, Deduct* | *-7.16* | |
| | | *For >240, Deduct* | *-8.42* | |
| 31 05 16 00-0023 | CY | Crusher Run Aggregate Fill (1-1/2" Minus) | 36.92 | |
| | | *For Up To 8, Add* | *7.38* | |
| | | *For >8 To 16, Add* | *3.69* | |
| | | *For >48 To 64, Deduct* | *-2.68* | |
| | | *For >64 To 96, Deduct* | *-4.52* | |
| | | *For >96 To 168, Deduct* | *-6.37* | |
| | | *For >168 To 240, Deduct* | *-7.70* | |
| | | *For >240, Deduct* | *-9.04* | |
| 31 05 16 00-0024 | CY | Crusher Run Aggregate Fill (3/4" Minus) | 34.89 | |
| | | *For Up To 8, Add* | *6.98* | |
| | | *For >8 To 16, Add* | *3.49* | |
| | | *For >48 To 64, Deduct* | *-2.57* | |
| | | *For >64 To 96, Deduct* | *-4.32* | |
| | | *For >96 To 168, Deduct* | *-6.06* | |
| | | *For >168 To 240, Deduct* | *-7.35* | |
| | | *For >240, Deduct* | *-8.64* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 05 16 00-0025 | CY | Miscellaneous Crushed Base, Processed Concrete, Paving | 65.80 | |
| | | *For Up To 8, Add* | *13.16* | |
| | | *For >8 To 16, Add* | *6.58* | |
| | | *For >48 To 64, Deduct* | *-4.12* | |
| | | *For >64 To 96, Deduct* | *-7.41* | |
| | | *For >96 To 168, Deduct* | *-10.70* | |
| | | *For >168 To 240, Deduct* | *-12.76* | |
| | | *For >240, Deduct* | *-14.82* | |

## 31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

# 31 10 Site Clearing *(31)*

## 31 11 Clearing and Grubbing *(31 10)*

### 31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

| | | | |
|---|---|---|---|
| 31 11 00 00-0002 | ACR | Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip<br>Note: Includes grub and removal of stump | 8,093.63 |
| 31 11 00 00-0003 | ACR | Clear And Grub Light Stumps Only Up To 6" Diameter | 2,229.84 |
| 31 11 00 00-0004 | ACR | Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip<br>Note: Includes grub and removal of stump | 10,791.51 |
| 31 11 00 00-0005 | ACR | Clear And Grub Medium Stumps Only Up To 10" Diameter | 3,716.40 |
| 31 11 00 00-0006 | ACR | Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip<br>Note: Includes grub and removal of stump | 14,838.32 |
| 31 11 00 00-0007 | ACR | Clear And Grub Heavy Stumps Only Up To 16" Diameter | 5,574.61 |
| 31 11 00 00-0008 | ACR | Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip<br>Note: Includes grub and removal of stump | 21,583.01 |
| 31 11 00 00-0009 | ACR | Clear And Grub Heavy Stumps Only Up To 24" Diameter | 7,804.44 |
| 31 11 00 00-0010 | ACR | Clearing By Machine - Light Brush Without Grub | 362.36 |
| 31 11 00 00-0011 | ACR | Clearing By Machine - Medium Brush Without Grub | 745.36 |
| 31 11 00 00-0012 | ACR | Clearing By Machine - Heavy Brush Without Grub | 1,055.38 |
| 31 11 00 00-0013 | ACR | Chipping - Light Brush | 2,878.25 |
| 31 11 00 00-0014 | ACR | Chipping - Medium Brush | 3,700.79 |
| 31 11 00 00-0015 | ACR | Chipping - Heavy Brush | 5,181.58 |

### 31 11 00 00-0016 Loading Of Cleared And Grubbed Material *(31 11)*

See CSI section 01 74 19 00-0041 for hauling.

| | | | |
|---|---|---|---|
| 31 11 00 00-0017 | CY | Machine Loading Of Cleared And Grubbed Material | 12.45 |
| 31 11 00 00-0018 | CY | Chute Loading Of Cleared And Grubbed Material | 14.94 |
| 31 11 00 00-0019 | CY | Hand Loading Of Cleared And Grubbed Material | 45.27 |
| 31 11 00 00-0020 | CY | Wheel And Ramp Loading Of Cleared And Grubbed Material | 35.57 |

## 31 13 Selective Tree and Shrub Removal and Trimming *(31 10)*

### 31 13 13 Selective Tree and Shrub Removal *(31 13)*

### 31 13 13 00-0001 Individual Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

| | | | |
|---|---|---|---|
| 31 13 13 00-0002 | EA | Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 674.47 |
| | | *For >25, Deduct* | *-84.31* |
| 31 13 13 00-0003 | EA | >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 1,011.70 |
| | | *For >25, Deduct* | *-126.46* |
| 31 13 13 00-0004 | EA | >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 1,348.94 |
| | | *For >10, Deduct* | *-134.89* |
| 31 13 13 00-0005 | EA | >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 2,023.40 |
| | | *For >10, Deduct* | *-202.34* |
| 31 13 13 00-0006 | EA | >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 2,697.87 |
| | | *For >10, Deduct* | *-269.79* |
| 31 13 13 00-0007 | EA | >48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 3,372.35 |
| | | *For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct* | *-843.09* |
| | | *For >10, Deduct* | *-337.24* |
| 31 13 13 00-0008 | EA | >60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 4,046.82 |
| | | *For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct* | *-1,011.71* |
| | | *For >10, Deduct* | *-404.68* |
| 31 13 13 00-0009 | EA | >72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 5,395.75 |
| | | *For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct* | *-1,348.94* |
| | | *For >10, Deduct* | *-539.58* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **31 13 13 00-0010** | | **Individual Palm Tree Removal** *(31 13 13)*<br>Note: Includes sawing and chipping branches. Excludes stump removal or grinding. | | |
| 31 13 13 00-0011 | EA | Up To 30' Height, Palm Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 539.58 | |
| | | *For >25, Deduct* | *-67.45* | |
| 31 13 13 00-0012 | EA | >30' To 60' Height, Palm Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 1,079.15 | |
| | | *For >25, Deduct* | *-134.89* | |
| 31 13 13 00-0013 | EA | >60' To 80' Height, Palm Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 1,416.39 | |
| | | *For >10, Deduct* | *-141.64* | |
| **31 13 13 00-0014** | | **Stump Removal** *(31 13 13)*<br>Note: Measured by diameter of stump. | | |
| **31 13 13 00-0015** | | **Stump Removal By Machine** *(31 13 13 00-0014)* | | |
| 31 13 13 00-0016 | EA | Up To 6" Diameter Stump Removal<br>Note: Includes excavation necessary to remove stump and loading. | 111.49 | |
| | | *For >10. Deduct* | *-16.72* | |
| 31 13 13 00-0017 | EA | >6" To 12" Diameter Stump Removal<br>Note: Includes excavation necessary to remove stump and loading. | 213.69 | |
| | | *For >10. Deduct* | *-32.05* | |
| 31 13 13 00-0018 | EA | >12" To 24" Diameter Stump Removal<br>Note: Includes excavation necessary to remove stump and loading. | 278.73 | |
| | | *For >10. Deduct* | *-41.81* | |
| 31 13 13 00-0019 | EA | >24" To 36" Diameter Stump Removal<br>Note: Includes excavation necessary to remove stump and loading. | 418.10 | |
| | | *For >10. Deduct* | *-62.72* | |
| 31 13 13 00-0020 | EA | >36" To 48" Diameter Stump Removal<br>Note: Includes excavation necessary to remove stump and loading. | 492.45 | |
| | | *For >10. Deduct* | *-73.87* | |
| 31 13 13 00-0021 | EA | >48" To 60" Diameter Stump Removal<br>Note: Includes excavation necessary to remove stump and loading. | 579.76 | |
| | | *For >10. Deduct* | *-86.96* | |
| 31 13 13 00-0022 | EA | >60" To 72" Diameter Stump Removal<br>Note: Includes excavation necessary to remove stump and loading. | 687.53 | |
| | | *For >10. Deduct* | *-103.13* | |
| 31 13 13 00-0023 | EA | >72" To 84" Diameter Stump Removal<br>Note: Includes excavation necessary to remove stump and loading. | 808.32 | |
| | | *For >10. Deduct* | *-121.25* | |
| **31 13 13 00-0024** | | **Stump Removal By Hand** *(31 13 13 00-0014)* | | |
| 31 13 13 00-0025 | EA | Up To 6" Diameter Stump Removal By Hand<br>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading. | 698.66 | |
| 31 13 13 00-0026 | EA | >6" To 12" Diameter Stump Removal By Hand<br>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading. | 873.32 | |
| 31 13 13 00-0027 | EA | >12" To 24" Diameter Stump Removal By Hand<br>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading. | 1,280.88 | |
| 31 13 13 00-0028 | EA | >24" To 36" Diameter Stump Removal By Hand<br>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading. | 1,746.66 | |
| 31 13 13 00-0029 | EA | >36" To 48" Diameter Stump Removal By Hand<br>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading. | 2,328.87 | |
| 31 13 13 00-0030 | EA | >48" To 60" Diameter Stump Removal By Hand<br>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading. | 2,911.09 | |
| 31 13 13 00-0031 | EA | >60" To 72" Diameter Stump Removal By Hand<br>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading. | 3,493.31 | |
| 31 13 13 00-0032 | EA | >72" To 84" Diameter Stump Removal By Hand<br>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading. | 4,075.53 | |
| **31 13 13 00-0033** | | **Stump Grinding** *(31 13 13)*<br>Note: Measured by diameter of stump. | | |
| **31 13 13 00-0034** | | **Stump Grinding, 18" Deep Below Surface Of Soil** *(31 13 13 00-0033)*<br>Note: Level soil to match existing surface area. | | |
| 31 13 13 00-0035 | EA | Stump Grinding Up To 6" Tree | 135.15 | |
| | | *For 24" Depth, Add* | *27.03* | |
| | | *For >10, Deduct* | *-16.89* | |
| 31 13 13 00-0036 | EA | Stump Grinding >6" To 12" Tree | 168.95 | |
| | | *For 24" Depth, Add* | *33.79* | |
| | | *For >10, Deduct* | *-21.12* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 13 13 00-0037 | EA | Stump Grinding >12" To 15" Tree | 202.74 | |
| | | *For 24" Depth, Add* | *40.55* | |
| | | *For >10, Deduct* | *-25.34* | |
| 31 13 13 00-0038 | EA | Stump Grinding >15" To 18" Tree | 225.25 | |
| | | *For 24" Depth, Add* | *45.05* | |
| | | *For >10, Deduct* | *-28.16* | |
| 31 13 13 00-0039 | EA | Stump Grinding >18" To 21" Tree | 242.15 | |
| | | *For 24" Depth, Add* | *48.43* | |
| | | *For >10, Deduct* | *-30.27* | |
| 31 13 13 00-0040 | EA | Stump Grinding >21" To 24" Tree | 259.05 | |
| | | *For 24" Depth, Add* | *51.81* | |
| | | *For >10, Deduct* | *-32.38* | |
| 31 13 13 00-0041 | EA | Stump Grinding >24" To 27" Tree | 281.57 | |
| | | *For 24" Depth, Add* | *56.31* | |
| | | *For >10, Deduct* | *-35.20* | |
| 31 13 13 00-0042 | EA | Stump Grinding >27" To 30" Tree | 307.01 | |
| | | *For 24" Depth, Add* | *61.40* | |
| | | *For >10, Deduct* | *-38.38* | |
| 31 13 13 00-0043 | EA | Stump Grinding >30" To 33" Tree | 341.13 | |
| | | *For 24" Depth, Add* | *68.23* | |
| | | *For >10, Deduct* | *-42.64* | |
| 31 13 13 00-0044 | EA | Stump Grinding >33" To 36" Tree | 375.23 | |
| | | *For 24" Depth, Add* | *75.05* | |
| | | *For >10, Deduct* | *-46.90* | |
| 31 13 13 00-0045 | EA | Stump Grinding >36" To 42" Tree | 409.35 | |
| | | *For 24" Depth, Add* | *81.87* | |
| | | *For >10, Deduct* | *-51.17* | |
| 31 13 13 00-0046 | EA | Stump Grinding >42" To 48" Tree | 454.83 | |
| | | *For 24" Depth, Add* | *90.97* | |
| | | *For >10, Deduct* | *-56.85* | |
| 31 13 13 00-0047 | EA | Stump Grinding >48" To 60" Tree | 568.54 | |
| | | *For 24" Depth, Add* | *113.71* | |
| | | *For >10, Deduct* | *-71.07* | |
| 31 13 13 00-0048 | EA | Stump Grinding >60" To 72" Tree | 710.68 | |
| | | *For 24" Depth, Add* | *142.14* | |
| | | *For >10, Deduct* | *-88.84* | |
| 31 13 13 00-0049 | EA | Stump Grinding >72" To 84" Tree | 909.67 | |
| | | *For 24" Depth, Add* | *181.93* | |
| | | *For >10, Deduct* | *-113.71* | |

## 31 13 13 00-0050 Shrub Removal *(31 13 13)*

| | | | | |
|---|---|---|---|---|
| 31 13 13 00-0051 | EA | Removal Of 18" To 24" Shrub, Broadleaf Evergreen | 51.65 | |
| 31 13 13 00-0052 | EA | Removal Of 2' To 3' Shrub, Broadleaf Evergreen | 80.99 | |
| 31 13 13 00-0053 | EA | Removal Of 3' To 4' Shrub, Broadleaf Evergreen | 93.91 | |
| 31 13 13 00-0054 | EA | Removal Of 4' To 5' Shrub, Broadleaf Evergreen | 140.87 | |
| 31 13 13 00-0055 | EA | Removal Of 12" To 15" Shrub, Deciduous | 25.83 | |
| 31 13 13 00-0056 | EA | Removal Of 18" To 24" Shrub, Deciduous | 39.91 | |
| 31 13 13 00-0057 | EA | Removal Of 2' To 3' Shrub, Deciduous | 51.66 | |
| 31 13 13 00-0058 | EA | Removal Of 3' To 4' Shrub, Deciduous | 56.34 | |
| 31 13 13 00-0059 | EA | Removal Of 18" To 24" Shrub, Evergreen | 51.65 | |
| 31 13 13 00-0060 | EA | Removal Of 24" To 30" Shrub, Evergreen | 56.34 | |
| 31 13 13 00-0061 | EA | Removal Of 30" To 36" Shrub, Evergreen | 80.99 | |
| 31 13 13 00-0062 | EA | Removal Of 36" To 42" Shrub, Evergreen | 140.86 | |

## 31 13 13 00-0063 Fallen Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.

| | | | | |
|---|---|---|---|---|
| 31 13 13 00-0064 | EA | Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 539.58 | |
| | | *For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct* | *-134.90* | |
| | | *For >25, Deduct* | *-67.45* | |
| 31 13 13 00-0065 | EA | >6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 809.36 | |
| | | *For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct* | *-202.34* | |
| | | *For >25, Deduct* | *-101.17* | |
| 31 13 13 00-0066 | EA | >12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 1,079.15 | |
| | | *For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct* | *-269.79* | |
| | | *For >10, Deduct* | *-107.92* | |
| 31 13 13 00-0067 | EA | >24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 1,618.73 | |
| | | *For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct* | *-404.68* | |
| | | *For >10, Deduct* | *-161.87* | |
| 31 13 13 00-0068 | EA | >36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 2,158.31 | |
| | | *For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct* | *-539.58* | |
| | | *For >10, Deduct* | *-215.83* | |
| 31 13 13 00-0069 | EA | >48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal<br>Note: Includes cutting up tree, chipping and loading. | 2,697.87 | |
| | | *For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct* | *-674.47* | |
| | | *For >10, Deduct* | *-269.79* | |


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| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 31 13 16 Selective Tree and Shrub Trimming *(31 13)*

See CSI section 32 01 90 23-0000 for tree pruning.

#### 31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance *(31 13 16)*

Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

| | | | | |
|---|---|---|---|---|
| 31 13 16 00-0002 | LF | Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction | 2.23 | |
| 31 13 16 00-0003 | LF | Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction | 3.35 | |
| 31 13 16 00-0004 | LF | Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction | 3.94 | |

#### 31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure *(31 13 16)*

Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.

| | | | | |
|---|---|---|---|---|
| 31 13 16 00-0006 | EA | Trim Tree Branch Minimum Charge | 823.22 | |
| 31 13 16 00-0007 | EA | Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure | 20.58 | |
| 31 13 16 00-0008 | EA | >1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure | 23.15 | |
| 31 13 16 00-0009 | EA | >2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure | 28.30 | |
| 31 13 16 00-0010 | EA | Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure | 25.72 | |
| 31 13 16 00-0011 | EA | >1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure | 28.95 | |
| 31 13 16 00-0012 | EA | >2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure | 35.37 | |

## 31 20 Earth Moving *(31)*

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less that 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

## 31 22 Grading *(31 20)*

### 31 22 13 Rough Grading *(31 22)*

See CSI section 31 23 16 00-0000 for rough grading.

### 31 22 16 Fine Grading *(31 22)*

#### 31 22 16 13 Roadway Subgrade Reshaping *(31 22 16)*

See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.

### 31 22 19 Finish Grading *(31 22)*

#### 31 22 19 13 Spreading and Grading Topsoil *(31 22 19)*

#### 31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs *(31 22 19 13)*

Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

#### 31 22 19 13-0002 Hand Digging And Grading *(31 22 19 13-0001)*

| | | | | |
|---|---|---|---|---|
| 31 22 19 13-0003 | SF | Trim And Shape Machine Excavated Area By Hand Finish Grade | 1.24 | |
| 31 22 19 13-0004 | SF | Trim And Shape Area On Grade By Hand, Finish Grade | 1.13 | |
| 31 22 19 13-0005 | SF | Fine Grade Gravel Bedding By Hand Finish Grade | 1.18 | |
| 31 22 19 13-0006 | SF | Fine Grade Gravel By Hand Finish Grade | 0.99 | |

#### 31 22 19 13-0007 Machine Operations *(31 22 19 13-0001)*

#### 31 22 19 13-0008 Machine Operations With Grader *(31 22 19 13-0007)*

| | | | | |
|---|---|---|---|---|
| 31 22 19 13-0009 | CSY | Semi-Grade, 2 Passes With Grader | 454.50 | |
| 31 22 19 13-0010 | CSY | Fine Grade, 3 Passes With Grader | 631.26 | |

## 31 23 Excavation and Fill *(31 20)*

### 31 23 16 Excavation *(31 23)*

#### 31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

| | | | | |
|---|---|---|---|---|
| 31 23 16 13-0002 | CY | 12" Wide or Less, Excavation for Trenching by Machine in Soil | 12.09 | |
| | | *For Excavation In Light Material (Class A), Deduct* | *-1.51* | |
| | | *For Excavation In Heavy/Wet Material (Class C), Add* | *4.84* | |
| | | *For Up To 20, Add* | *12.09* | |
| | | *For >20 To 50, Add* | *9.07* | |
| | | *For >50 To 250, Add* | *4.84* | |
| | | *For >250 To 500, Add* | *1.81* | |
| | | *For >1,000, Deduct* | *-1.81* | |
| 31 23 16 13-0003 | CY | Over 12" Wide, Excavation for Trenching by Machine in Soil | 7.77 | |
| | | *For Excavation In Light Material (Class A), Deduct* | *-0.97* | |
| | | *For Excavation In Heavy/Wet Material (Class C), Add* | *3.11* | |
| | | *For Up To 20, Add* | *7.77* | |
| | | *For >20 To 50, Add* | *5.83* | |
| | | *For >50 To 250, Add* | *3.11* | |
| | | *For >250 To 500, Add* | *1.17* | |
| | | *For >1,000, Deduct* | *-1.17* | |
| 31 23 16 13-0004 | CY | 12" Wide or Less, Excavation for Trenching by Machine in Loose Rock<br>Note: Includes compacted aggregate | 20.02 | |
| | | *For Up To 20, Add* | *20.02* | |
| | | *For >20 To 50, Add* | *15.02* | |
| | | *For >50 To 250, Add* | *8.01* | |
| | | *For >250 To 500, Add* | *3.00* | |
| | | *For >1,000, Deduct* | *-3.00* | |
| 31 23 16 13-0005 | CY | Over 12" Wide, Excavation for Trenching by Machine in Loose Rock<br>Note: Includes compacted aggregate | 13.81 | |
| | | *For Up To 20, Add* | *13.81* | |
| | | *For >20 To 50, Add* | *10.36* | |
| | | *For >50 To 250, Add* | *5.52* | |
| | | *For >250 To 500, Add* | *2.07* | |
| | | *For >1,000, Deduct* | *-2.07* | |

## 31 23 16 13-0006 Excavation For Trenching By Hand *(31 23 16 13)*

| | | | |
|---|---|---|---|
| 31 23 16 13-0007 | CY | Excavation For Trenching By Hand In Soil<br>Note: Includes stockpiling excess materials and trimming sides and bottom of trench. | 149.39 |
| 31 23 16 13-0008 | CY | Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate<br>Note: Includes stockpiling excess materials and trimming sides and bottom of trench. | 256.27 |
| 31 23 16 13-0009 | SF | Trim Bottom Of Excavation Hand Labor<br>Note: For use with machine excavation. | 1.16 |
| 31 23 16 13-0010 | SF | Trim Slopes/Sides Of Excavation Hand Labor<br>Note: For use with machine excavation. | 1.34 |

## 31 23 16 13-0011 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*

Note: With imported or stockpiled materials.

| | | | | |
|---|---|---|---|---|
| 31 23 16 13-0012 | CY | Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine | 4.36 | |
| | | *For Up To 20, Add* | *4.36* | |
| | | *For >20 To 50, Add* | *3.27* | |
| | | *For >50 To 250, Add* | *1.74* | |
| | | *For >250 To 500, Add* | *0.65* | |
| | | *For >1,000, Deduct* | *-0.65* | |
| 31 23 16 13-0013 | CY | Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand | 41.50 | |

## 31 23 16 13-0014 Compaction Of Fill Or Subbase For Trenches *(31 23 16 13)*

Note: Includes restoration of final grade.

| | | | | |
|---|---|---|---|---|
| 31 23 16 13-0015 | CY | Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera | 8.65 | |
| | | *For Up To 20, Add* | *8.65* | |
| | | *For >20 To 50, Add* | *6.49* | |
| | | *For >50 To 250, Add* | *3.46* | |
| | | *For >250 To 500, Add* | *1.30* | |
| | | *For >1,000, Deduct* | *-1.30* | |
| 31 23 16 13-0016 | CY | Compaction of Fill or Subbase for Trenches by Hand | 46.82 | |

## 31 23 16 13-0017 Loading Excess Material For Removal From Excavation For Trenches *(31 23 16 13)*

Note: Includes handwork by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0041 for hauling.

| | | | | |
|---|---|---|---|---|
| 31 23 16 13-0018 | CY | Load Excess Material by Machine for Removal from Excavation for Trenching | 7.58 | |
| | | *For Up To 20, Add* | *7.58* | |
| | | *For >20 To 50, Add* | *5.69* | |
| | | *For >50 To 250, Add* | *3.03* | |
| | | *For >250 To 500, Add* | *1.14* | |
| | | *For >1,000, Deduct* | *-1.14* | |
| 31 23 16 13-0019 | CY | Load Excess Material by Hand for Removal from Excavation for Trenching | 109.55 | |

## 31 23 16 13-0020 Spread Excess Or Imported Material For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for clean-up.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 23 16 13-0021 | CY | Spread Excess Or Imported Material On Site With Machine | 3.55 | |
| | | *For Up To 20, Add* | *3.55* | |
| | | *For >20 To 50, Add* | *2.66* | |
| | | *For >50 To 250, Add* | *1.42* | |
| | | *For >250 To 500, Add* | *0.53* | |
| | | *For >1,000, Deduct* | *-0.53* | |

## 31 23 16 13-0022 Direct Burial (Plowed-in) Cable Or Piping By Machine *(31 23 16 13)*

Note: Includes trench, backfill, compaction and restoration of final grade.

| | | | | |
|---|---|---|---|---|
| 31 23 16 13-0023 | LF | Direct Burial of Cable or Piping up to 12" Deep | 2.58 | |
| 31 23 16 13-0024 | LF | Direct Burial of Cable or Piping >12" to 24" Deep | 2.84 | |
| 31 23 16 13-0025 | LF | Direct Burial of Cable or Piping >24" to 36" Deep | 4.04 | |
| 31 23 16 13-0026 | LF | Direct Burial of Cable or Piping >36" to 48" Deep | 4.56 | |

## 31 23 16 13-0027 Utility Chain Trencher *(31 23 16 13)*

## 31 23 16 13-0028 Utility Trench, Chain Trencher *(31 23 16 13-0027)*

Note: Earth left adjacent to trench.

| | | | | |
|---|---|---|---|---|
| 31 23 16 13-0029 | LF | 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher | 1.46 | |
| | | *For >100 To 250, Deduct* | *-0.10* | |
| | | *For >250 To 500, Deduct* | *-0.22* | |
| | | *For >500, Deduct* | *-0.44* | |
| 31 23 16 13-0030 | LF | 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher | 1.60 | |
| | | *For >100 To 250, Deduct* | *-0.11* | |
| | | *For >250 To 500, Deduct* | *-0.24* | |
| | | *For >500, Deduct* | *-0.48* | |
| 31 23 16 13-0031 | LF | 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher | 1.66 | |
| | | *For >100 To 250, Deduct* | *-0.12* | |
| | | *For >250 To 500, Deduct* | *-0.25* | |
| | | *For >500, Deduct* | *-0.50* | |
| 31 23 16 13-0032 | LF | 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher | 1.76 | |
| | | *For >100 To 250, Deduct* | *-0.12* | |
| | | *For >250 To 500, Deduct* | *-0.26* | |
| | | *For >500, Deduct* | *-0.53* | |
| 31 23 16 13-0033 | LF | 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher | 1.92 | |
| | | *For >100 To 250, Deduct* | *-0.13* | |
| | | *For >250 To 500, Deduct* | *-0.29* | |
| | | *For >500, Deduct* | *-0.58* | |
| 31 23 16 13-0034 | LF | 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher | 2.20 | |
| | | *For >100 To 250, Deduct* | *-0.15* | |
| | | *For >250 To 500, Deduct* | *-0.33* | |
| | | *For >500, Deduct* | *-0.66* | |
| 31 23 16 13-0035 | LF | 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher | 2.64 | |
| | | *For >100 To 250, Deduct* | *-0.18* | |
| | | *For >250 To 500, Deduct* | *-0.40* | |
| | | *For >500, Deduct* | *-0.79* | |
| 31 23 16 13-0036 | LF | 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher | 2.49 | |
| | | *For >100 To 250, Deduct* | *-0.17* | |
| | | *For >250 To 500, Deduct* | *-0.37* | |
| | | *For >500, Deduct* | *-0.75* | |
| 31 23 16 13-0037 | LF | 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher | 2.93 | |
| | | *For >100 To 250, Deduct* | *-0.21* | |
| | | *For >250 To 500, Deduct* | *-0.44* | |
| | | *For >500, Deduct* | *-0.88* | |
| 31 23 16 13-0038 | LF | 8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher | 3.33 | |
| | | *For >100 To 250, Deduct* | *-0.23* | |
| | | *For >250 To 500, Deduct* | *-0.50* | |
| | | *For >500, Deduct* | *-1.00* | |
| 31 23 16 13-0039 | LF | 8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher | 3.95 | |
| | | *For >100 To 250, Deduct* | *-0.28* | |
| | | *For >250 To 500, Deduct* | *-0.59* | |
| | | *For >500, Deduct* | *-1.19* | |

## 31 23 16 13-0040 Backfill Trenches With Compaction *(31 23 16 13-0027)*

| | | | | |
|---|---|---|---|---|
| 31 23 16 13-0041 | LF | Backfill 4" Wide, 12" Deep Trench, With Compaction | 0.23 | |
| | | *For >100 To 250, Deduct* | *-0.02* | |
| | | *For >250 To 500, Deduct* | *-0.03* | |
| | | *For >500, Deduct* | *-0.07* | |
| 31 23 16 13-0042 | LF | Backfill 4" Wide, 18" Deep Trench, With Compaction | 0.36 | |
| | | *For >100 To 250, Deduct* | *-0.03* | |
| | | *For >250 To 500, Deduct* | *-0.05* | |
| | | *For >500, Deduct* | *-0.11* | |
| 31 23 16 13-0043 | LF | Backfill 4" Wide, 24" Deep Trench, With Compaction | 0.47 | |
| | | *For >100 To 250, Deduct* | *-0.03* | |
| | | *For >250 To 500, Deduct* | *-0.07* | |
| | | *For >500, Deduct* | *-0.14* | |
| 31 23 16 13-0044 | LF | Backfill 6" Wide, 12" Deep Trench, With Compaction | 0.36 | |
| | | *For >100 To 250, Deduct* | *-0.03* | |
| | | *For >250 To 500, Deduct* | *-0.05* | |
| | | *For >500, Deduct* | *-0.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 23 16 13-0045 | LF | Backfill 6" Wide, 18" Deep Trench, With Compaction | 0.47 | |
| | | *For >100 To 250, Deduct* | *-0.03* | |
| | | *For >250 To 500, Deduct* | *-0.07* | |
| | | *For >500, Deduct* | *-0.14* | |
| 31 23 16 13-0046 | LF | Backfill 6" Wide, 24" Deep Trench, With Compaction | 0.71 | |
| | | *For >100 To 250, Deduct* | *-0.05* | |
| | | *For >250 To 500, Deduct* | *-0.11* | |
| | | *For >500, Deduct* | *-0.21* | |
| 31 23 16 13-0047 | LF | Backfill 6" Wide, 36" Deep Trench, With Compaction | 1.02 | |
| | | *For >100 To 250, Deduct* | *-0.07* | |
| | | *For >250 To 500, Deduct* | *-0.15* | |
| | | *For >500, Deduct* | *-0.31* | |
| 31 23 16 13-0048 | LF | Backfill 8" Wide, 12" Deep Trench, With Compaction | 0.47 | |
| | | *For >100 To 250, Deduct* | *-0.03* | |
| | | *For >250 To 500, Deduct* | *-0.07* | |
| | | *For >500, Deduct* | *-0.14* | |
| 31 23 16 13-0049 | LF | Backfill 8" Wide, 18" Deep Trench, With Compaction | 0.71 | |
| | | *For >100 To 250, Deduct* | *-0.05* | |
| | | *For >250 To 500, Deduct* | *-0.11* | |
| | | *For >500, Deduct* | *-0.21* | |
| 31 23 16 13-0050 | LF | Backfill 8" Wide, 24" Deep Trench, With Compaction | 0.96 | |
| | | *For >100 To 250, Deduct* | *-0.07* | |
| | | *For >250 To 500, Deduct* | *-0.14* | |
| | | *For >500, Deduct* | *-0.29* | |
| 31 23 16 13-0051 | LF | Backfill 8" Wide, 36" Deep Trench, With Compaction | 1.43 | |
| | | *For >100 To 250, Deduct* | *-0.10* | |
| | | *For >250 To 500, Deduct* | *-0.21* | |
| | | *For >500, Deduct* | *-0.43* | |

## 31 23 16 16 Structural Excavation for Minor Structures *(31 23 16)*

### 31 23 16 16-0001 Post Holes *(31 23 16 16)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

### 31 23 16 16-0002 Drilling Post Hole In Soil *(31 23 16 16-0001)*

Note: Auger by machine unless otherwise notified by owner.

| | | | |
|---|---|---|---|
| 31 23 16 16-0003 | VLF | Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil | 10.64 |
| 31 23 16 16-0004 | VLF | 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil | 11.97 |
| 31 23 16 16-0005 | VLF | 3" Diameter Hole, Auger By Machine Post Hole In Soil | 14.18 |
| 31 23 16 16-0006 | VLF | 4" Diameter Hole, Auger By Machine Post Hole In Soil | 15.96 |
| 31 23 16 16-0007 | VLF | 6" Diameter Hole, Auger By Machine Post Hole In Soil | 17.41 |
| 31 23 16 16-0008 | VLF | 8" Diameter Hole, Auger By Machine Post Hole In Soil | 19.14 |
| 31 23 16 16-0009 | VLF | 10" Diameter Hole, Auger By Machine Post Hole In Soil | 21.27 |
| 31 23 16 16-0010 | VLF | 12" Diameter Hole, Auger By Machine Post Hole In Soil | 23.93 |
| 31 23 16 16-0011 | VLF | 18" Diameter Hole, Auger By Machine Post Hole In Soil | 27.36 |
| 31 23 16 16-0012 | VLF | 24" Diameter Hole, Auger By Machine Post Hole In Soil | 31.91 |
| 31 23 16 16-0013 | VLF | 30" Diameter Hole, Auger By Machine Post Hole In Soil | 38.30 |
| 31 23 16 16-0014 | VLF | 36" Diameter Hole, Auger By Machine Post Hole In Soil | 47.87 |

### 31 23 16 16-0015 Drilling Post Hole In Rock *(31 23 16 16-0001)*

| | | | |
|---|---|---|---|
| 31 23 16 16-0016 | CF | Jackhammer Post Hole, Rock | 81.85 |
| 31 23 16 16-0017 | CF | Rock Drill Post Hole, Rock | 21.77 |

### 31 23 16 16-0018 Post Hole Fill *(31 23 16 16-0001)*

### 31 23 16 16-0019 Concrete Fill *(31 23 16 16-0018)*

| | | | |
|---|---|---|---|
| 31 23 16 16-0020 | VLF | Concrete Fill, Up To 2-1/2" Diameter Hole | 6.55 |
| 31 23 16 16-0021 | VLF | Concrete Fill, 2-1/2" Diameter Hole | 8.42 |
| 31 23 16 16-0022 | VLF | Concrete Fill, 3" Diameter Hole | 9.26 |
| 31 23 16 16-0023 | VLF | Concrete Fill, 4" Diameter Hole | 10.64 |
| 31 23 16 16-0024 | VLF | Concrete Fill, 6" Diameter Hole | 14.99 |
| 31 23 16 16-0025 | VLF | Concrete Fill, 8" Diameter Hole | 20.01 |
| 31 23 16 16-0026 | VLF | Concrete Fill, 10" Diameter Hole | 24.46 |
| 31 23 16 16-0027 | VLF | Concrete Fill, 12" Diameter Hole | 28.53 |
| 31 23 16 16-0028 | VLF | Concrete Fill, 18" Diameter Hole | 38.83 |
| 31 23 16 16-0029 | VLF | Concrete Fill, 24" Diameter Hole | 48.13 |
| 31 23 16 16-0030 | VLF | Concrete Fill, 30" Diameter Hole | 57.20 |
| 31 23 16 16-0031 | VLF | Concrete Fill, 36" Diameter Hole | 66.62 |

### 31 23 16 16-0032 Grout Fill *(31 23 16 16-0018)*

| | | | |
|---|---|---|---|
| 31 23 16 16-0033 | VLF | Grout Fill, Up To 2-1/2" Diameter Hole | 7.78 |
| 31 23 16 16-0034 | VLF | Grout Fill, 2-1/2" Diameter Hole | 10.02 |
| 31 23 16 16-0035 | VLF | Grout Fill, 3" Diameter Hole | 10.90 |
| 31 23 16 16-0036 | VLF | Grout Fill, 4" Diameter Hole | 12.24 |
| 31 23 16 16-0037 | VLF | Grout Fill, 6" Diameter Hole | 17.09 |
| 31 23 16 16-0038 | VLF | Grout Fill, 8" Diameter Hole | 22.81 |
| 31 23 16 16-0039 | VLF | Grout Fill, 10" Diameter Hole | 27.80 |
| 31 23 16 16-0040 | VLF | Grout Fill, 12" Diameter Hole | 32.26 |
| 31 23 16 16-0041 | VLF | Grout Fill, 18" Diameter Hole | 43.08 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 23 16 16-0042 | VLF | Grout Fill, 24" Diameter Hole | 52.60 | |
| 31 23 16 16-0043 | VLF | Grout Fill, 30" Diameter Hole | 61.81 | |
| 31 23 16 16-0044 | VLF | Grout Fill, 36" Diameter Hole | 71.25 | |

### 31 23 16 16-0045 Earth Fill, Compacted *(31 23 16 16-0018)*

| | | | | |
|---|---|---|---|---|
| 31 23 16 16-0046 | VLF | Earth Fill, Up To 2-1/2" Diameter Hole | 5.54 | |
| 31 23 16 16-0047 | VLF | Earth Fill, 2-1/2" Diameter Hole | 7.22 | |
| 31 23 16 16-0048 | VLF | Earth Fill, 3" Diameter Hole | 7.54 | |
| 31 23 16 16-0049 | VLF | Earth Fill, 4" Diameter Hole | 7.76 | |
| 31 23 16 16-0050 | VLF | Earth Fill, 6" Diameter Hole | 10.37 | |
| 31 23 16 16-0051 | VLF | Earth Fill, 8" Diameter Hole | 13.83 | |
| 31 23 16 16-0052 | VLF | Earth Fill, 10" Diameter Hole | 16.60 | |
| 31 23 16 16-0053 | VLF | Earth Fill, 12" Diameter Hole | 18.82 | |
| 31 23 16 16-0054 | VLF | Earth Fill, 18" Diameter Hole | 22.93 | |
| 31 23 16 16-0055 | VLF | Earth Fill, 24" Diameter Hole | 25.73 | |
| 31 23 16 16-0056 | VLF | Earth Fill, 30" Diameter Hole | 28.22 | |
| 31 23 16 16-0057 | VLF | Earth Fill, 36" Diameter Hole | 30.44 | |

## 31 23 16 26 Rock Removal *(31 23 16)*

### 31 23 16 26-0001 Rock Breaking By Machine *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

| | | | | |
|---|---|---|---|---|
| 31 23 16 26-0002 | CY | Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone) | 29.10 | |
| 31 23 16 26-0003 | CY | Rock Breaking By Machine, Medium Metamorphic Rock (Slate) | 31.05 | |
| 31 23 16 26-0004 | CY | Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt) | 36.87 | |

## 31 23 16 33 Bulk Excavation *(31 23 16)*

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for less than 500 CY excavation.

### 31 23 16 33-0001 Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

| | | | | |
|---|---|---|---|---|
| 31 23 16 33-0002 | CY | Bulk Excavation by Dozer in Soil | 11.09 | |
| | | *For Excavation In Light Material (Class A), Deduct* | | *-1.39* |
| | | *For Excavation In Heavy/Wet Material (Class C), Add* | | *4.44* |
| | | *For >1,000, Deduct* | | *-1.66* |
| 31 23 16 33-0003 | CY | Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil | 6.27 | |
| | | *For Excavation In Light Material (Class A), Deduct* | | *-0.78* |
| | | *For Excavation In Heavy/Wet Material (Class C), Add* | | *2.51* |
| | | *For >1,000, Deduct* | | *-0.94* |
| 31 23 16 33-0004 | CY | Bulk Excavation by Dozer in Loose Rock<br>Note: Includes compacted aggregate | 13.64 | |
| | | *For >1,000, Deduct* | | *-2.05* |
| 31 23 16 33-0005 | CY | Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock<br>Note: Includes compacted aggregate | 7.72 | |
| | | *For >1,000, Deduct* | | *-1.16* |

### 31 23 16 33-0006 Spreading, Shaping And Rough Grading *(31 23 16 33)*

Note: Imported or stockpiled material for bulk excavation.

| | | | | |
|---|---|---|---|---|
| 31 23 16 33-0007 | CY | Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine | 6.84 | |
| | | *For >1,000, Deduct* | | *-1.03* |

### 31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations *(31 23 16 33)*

| | | | | |
|---|---|---|---|---|
| 31 23 16 33-0009 | CY | Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine | 7.61 | |
| | | *For >1,000, Deduct* | | *-1.14* |

### 31 23 16 33-0010 Relocating On Site Excavated Material From Excavation *(31 23 16 33)*

Note: For bulk excavation.

| | | | | |
|---|---|---|---|---|
| 31 23 16 33-0011 | CY | Relocating On Site Excavated Material From Bulk Excavation >100' to 300' | 6.08 | |
| | | *For >1,000, Deduct* | | *-0.91* |
| 31 23 16 33-0012 | CY | Relocating On Site Excavated Material From Bulk Excavation >300' to 500' | 9.13 | |
| | | *For >1,000, Deduct* | | *-1.37* |
| 31 23 16 33-0013 | CY | Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000' | 13.69 | |
| | | *For >1,000, Deduct* | | *-2.05* |
| 31 23 16 33-0014 | CY | Relocating On Site Excavated Material From Bulk Excavation >1,000' | 18.26 | |
| | | *For >1,000, Deduct* | | *-2.74* |

### 31 23 16 33-0015 Finish Grading For Bulk Excavation *(31 23 16 33)*

| | | | | |
|---|---|---|---|---|
| 31 23 16 33-0016 | SY | Finish Grading for Bulk Excavation by Machine | 0.76 | |

### 31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift *(31 23 16 33)*

Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.

| | | | | |
|---|---|---|---|---|
| 31 23 16 33-0018 | SY | Compaction of Fill or Subbase for Bulk Excavation by Machine<br>Note: Per Lift | 0.78 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 23 16 33-0019 | | **Loading Excess Material For Removal From Excavation** *(31 23 16 33)*<br>Note: For bulk excavation. Includes handwork by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0041 for hauling. | | |
| 31 23 16 33-0020 | CY | Loading Excess Material For Removal From Bulk Excavation | 6.21 | |
| | | *For >1,000, Deduct* | *-0.93* | |
| **31 23 16 36** | | **Excavation for Building Foundations and Other Structures** *(31 23 16)*<br>Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY. | | |
| 31 23 16 36-0001 | | **Excavation** *(31 23 16 36)*<br>Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area. | | |
| 31 23 16 36-0002 | | **Excavation For Building Foundations And Other Structures By Skid-Steer Loader** *(31 23 16 36-0001)* | | |
| 31 23 16 36-0003 | CY | Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil | 10.17 | |
| | | *For Excavation In Light Material (Class A), Deduct* | *-1.27* | |
| | | *For Excavation In Heavy/Wet Material (Class C), Add* | *4.07* | |
| | | *For Up To 20, Add* | *10.17* | |
| | | *For >20 To 50, Add* | *7.63* | |
| | | *For >50 To 250, Add* | *4.07* | |
| | | *For >250 To 500, Add* | *1.53* | |
| 31 23 16 36-0004 | CY | Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock<br>Note: Includes compacted aggregate | 12.63 | |
| | | *For Up To 20, Add* | *12.63* | |
| | | *For >20 To 50, Add* | *9.47* | |
| | | *For >50 To 250, Add* | *5.05* | |
| | | *For >250 To 500, Add* | *1.89* | |
| 31 23 16 36-0005 | | **Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader** *(31 23 16 36-0001)* | | |
| 31 23 16 36-0006 | CY | Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil | 7.52 | |
| | | *For Excavation In Light Material (Class A), Deduct* | *-0.94* | |
| | | *For Excavation In Heavy/Wet Material (Class C), Add* | *3.01* | |
| | | *For Up To 20, Add* | *7.52* | |
| | | *For >20 To 50, Add* | *5.64* | |
| | | *For >50 To 250, Add* | *3.01* | |
| | | *For >250 To 500, Add* | *1.13* | |
| 31 23 16 36-0007 | CY | Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock<br>Note: Includes compacted aggregate | 8.96 | |
| | | *For Up To 20, Add* | *8.96* | |
| | | *For >20 To 50, Add* | *6.72* | |
| | | *For >50 To 250, Add* | *3.58* | |
| | | *For >250 To 500, Add* | *1.34* | |
| 31 23 16 36-0008 | | **Excavation For Building Foundations And Other Structures By Hand** *(31 23 16 36-0001)*<br>Note: For areas not accessible by machine and only with owner's approval. | | |
| 31 23 16 36-0009 | CY | Excavation For Building Foundations And Other Structures By Hand in Soil | 149.39 | |
| | | *For Excavation In Light Material (Class A), Deduct* | *-18.67* | |
| | | *For Excavation In Heavy/Wet Material (Class C), Add* | *59.76* | |
| 31 23 16 36-0010 | CY | Excavation For Building Foundations And Other Structures By Hand in Loose Rock<br>Note: Includes compacted aggregate | 256.27 | |
| 31 23 16 36-0011 | | **Relocating On Site Excavated Stockpiled Material From Excavation** *(31 23 16 36)*<br>Note: For building foundations and other structures. | | |
| 31 23 16 36-0012 | CY | Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300' | 6.08 | |
| | | *For Up To 20, Add* | *6.08* | |
| | | *For >20 To 50, Add* | *4.56* | |
| | | *For >50 To 250, Add* | *2.43* | |
| | | *For >250 To 500, Add* | *0.91* | |
| 31 23 16 36-0013 | CY | Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500' | 9.13 | |
| | | *For Up To 20, Add* | *9.13* | |
| | | *For >20 To 50, Add* | *6.85* | |
| | | *For >50 To 250, Add* | *3.65* | |
| | | *For >250 To 500, Add* | *1.37* | |
| 31 23 16 36-0014 | CY | Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000' | 13.69 | |
| | | *For Up To 20, Add* | *13.69* | |
| | | *For >20 To 50, Add* | *10.27* | |
| | | *For >50 To 250, Add* | *5.48* | |
| | | *For >250 To 500, Add* | *2.05* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 23 16 36-0015 | CY | Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000' | 18.26 | |
| | | *For Up To 20, Add* | *18.26* | |
| | | *For >20 To 50, Add* | *13.70* | |
| | | *For >50 To 250, Add* | *7.30* | |
| | | *For >250 To 500, Add* | *2.74* | |

### 31 23 16 36-0016 Backfilling *(31 23 16 36)*

Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.

| | | | | |
|---|---|---|---|---|
| 31 23 16 36-0017 | CY | Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader | 5.02 | |
| | | *For Up To 20, Add* | *5.02* | |
| | | *For >20 To 50, Add* | *3.77* | |
| | | *For >50 To 250, Add* | *2.01* | |
| | | *For >250 To 500, Add* | *0.75* | |
| 31 23 16 36-0018 | CY | Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader | 5.83 | |
| | | *For Up To 20, Add* | *5.83* | |
| | | *For >20 To 50, Add* | *4.37* | |
| | | *For >50 To 250, Add* | *2.33* | |
| | | *For >250 To 500, Add* | *0.87* | |
| 31 23 16 36-0019 | CY | Backfilling Around Building Foundations And Other Structures By Hand | 71.14 | |

### 31 23 16 36-0020 Compaction Of Fill Or Subbase *(31 23 16 36)*

Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.

| | | | | |
|---|---|---|---|---|
| 31 23 16 36-0021 | CY | Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera | 13.70 | |
| | | *For Up To 20, Add* | *13.70* | |
| | | *For >20 To 50, Add* | *10.28* | |
| | | *For >50 To 250, Add* | *5.48* | |
| | | *For >250 To 500, Add* | *2.06* | |
| 31 23 16 36-0022 | CY | Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand | 46.81 | |

### 31 23 16 36-0023 Grading For Building Foundations And Other Structures *(31 23 16 36)*

| | | | | |
|---|---|---|---|---|
| 31 23 16 36-0024 | SY | Rough Grading For Building Foundations And Other Structures by Machine | 1.31 | |
| 31 23 16 36-0025 | SY | Finish Grading For Building Foundations And Other Structures by Machine | 2.12 | |
| 31 23 16 36-0026 | SY | Finish Grading For Building Foundations And Other Structures by Hand | 13.83 | |

### 31 23 16 36-0027 Loading Excess Material For Removal From Excavation *(31 23 16 36)*

Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0041 for hauling.

| | | | | |
|---|---|---|---|---|
| 31 23 16 36-0028 | CY | Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine | 6.47 | |
| | | *For Up To 20, Add* | *6.47* | |
| | | *For >20 To 50, Add* | *4.85* | |
| | | *For >50 To 250, Add* | *2.59* | |
| | | *For >250 To 500, Add* | *0.97* | |
| 31 23 16 36-0029 | CY | Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand | 109.55 | |

### 31 23 16 36-0030 Spread Excess Or Imported Material And Grade On Site *(31 23 16 36)*

Note: For building foundations and other structures.

| | | | | |
|---|---|---|---|---|
| 31 23 16 36-0031 | CY | Spread Excess Or Imported Material And Rough Grade On Site By Machine | 3.55 | |
| | | *For Up To 20, Add* | *3.55* | |
| | | *For >20 To 50, Add* | *2.66* | |
| | | *For >50 To 250, Add* | *1.42* | |
| | | *For >250 To 500, Add* | *0.53* | |
| 31 23 16 36-0032 | CY | Spread Excess Or Imported Material And Rough Grade On Site By Hand | 60.45 | |

## 31 23 16 46 Excavation Operations to Expose Underground Pipes and Structures *(31 23 16)*

Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0017 for loading excess material, 31 23 16 13-0020 for spreading excess material.

### 31 23 16 46-0001 Excavation To Expose Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.

### 31 23 16 46-0002 Excavation By Machine To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

| | | | | |
|---|---|---|---|---|
| 31 23 16 46-0003 | CY | Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures | 15.06 | |
| | | *For Excavation In Light Material (Class A), Deduct* | *-1.88* | |
| | | *For Excavation In Heavy/Wet Material (Class C), Add* | *6.02* | |
| | | *For Up To 20, Add* | *15.06* | |
| | | *For >20 To 50, Add* | *11.30* | |
| | | *For >50 To 250, Add* | *6.02* | |
| | | *For >250 To 500, Add* | *2.26* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 23 16 46-0004 | CY | Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures | 17.88 | |
| | | *For Up To 20, Add* | *17.88* | |
| | | *For >20 To 50, Add* | *13.41* | |
| | | *For >50 To 250, Add* | *7.15* | |
| | | *For >250 To 500, Add* | *2.68* | |

### 31 23 16 46-0005 Excavation By Hand To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

| | | | | |
|---|---|---|---|---|
| 31 23 16 46-0006 | CY | Excavation By Hand In Soil To Expose Underground Pipes And Structures<br>Note: Includes stockpiling excess materials and trimming sides and bottom of trench. | 186.74 | |
| 31 23 16 46-0007 | CY | Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures<br>Note: Includes stockpiling excess materials and trimming sides and bottom of trench. | 278.87 | |

### 31 23 16 46-0008 Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

| | | | | |
|---|---|---|---|---|
| 31 23 16 46-0009 | CY | Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures | 11.29 | |
| | | *For >20 To 50, Add* | *8.47* | |
| | | *For >50 To 250, Add* | *4.52* | |
| | | *For >250 To 500, Add* | *1.69* | |
| 31 23 16 46-0010 | CY | Backfilling by Hand At Exposed Underground Pipes And Structures | 84.66 | |

### 31 23 16 46-0011 Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

| | | | | |
|---|---|---|---|---|
| 31 23 16 46-0012 | CY | Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures | 17.26 | |
| | | *For Up To 20, Add* | *17.26* | |
| | | *For >20 To 50, Add* | *12.95* | |
| | | *For >50 To 250, Add* | *6.90* | |
| | | *For >250 To 500, Add* | *2.59* | |
| 31 23 16 46-0013 | CY | Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures | 56.18 | |

### 31 23 16 46-0014 Loading Excess Material For Removal From Excavation At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0041 for hauling.

| | | | | |
|---|---|---|---|---|
| 31 23 16 46-0015 | CY | Load Excess Material by Machine for Removal from Excavation At Exposed Underground Pipe Or Structures | 7.58 | |
| | | *For Up To 20, Add* | *7.58* | |
| | | *For >20 To 50, Add* | *5.69* | |
| | | *For >50 To 250, Add* | *3.03* | |
| | | *For >250 To 500, Add* | *1.14* | |
| | | *For >1,000, Deduct* | *-1.14* | |
| 31 23 16 46-0016 | CY | Load Excess Material by Hand for Removal from Excavation At Exposed Underground Pipe Or Structures | 109.55 | |

### 31 23 16 46-0017 Spread Excess Or Imported Material And Grade At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes hand work by laborer for clean-up.

| | | | | |
|---|---|---|---|---|
| 31 23 16 46-0018 | CY | Spread Excess Or Imported Material And Grade On Site By Machine At Exposed Underground Pipe Or Structures | 3.55 | |
| | | *For Up To 20, Add* | *3.55* | |
| | | *For >20 To 50, Add* | *2.66* | |
| | | *For >50 To 250, Add* | *1.42* | |
| | | *For >250 To 500, Add* | *0.53* | |
| | | *For >1,000, Deduct* | *-0.53* | |
| 31 23 16 46-0019 | CY | Spread Excess Or Imported Material And Grade On Site By Hand At Exposed Underground Pipe Or Structures | 60.45 | |

## 31 23 19 Dewatering *(31 23)*

### 31 23 19 00-0001 Well Point Dewatering System *(31 23 19)*

### 31 23 19 00-0002 Delivery, Installation And Removal Cost *(31 23 19 00-0001)*

Note: Priced by linear foot of header used.

| | | | |
|---|---|---|---|
| 31 23 19 00-0003 | LF | Up To 100' In Length Well Point System Delivery, Installation And Removal | 146.73 |
| 31 23 19 00-0004 | LF | >100' To 250' In Length Well Point System Delivery, Installation And Removal | 80.70 |
| 31 23 19 00-0005 | LF | >250' To 500' In Length Well Point System Delivery, Installation And Removal | 73.37 |
| 31 23 19 00-0006 | LF | >250' To 500' In Length Well Point System Delivery, Installation And Removal | 66.03 |
| 31 23 19 00-0007 | LF | >500' To 1,000' In Length Well Point System Delivery, Installation And Removal | 58.70 |
| 31 23 19 00-0008 | LF | >1,000' In Length Well Point System Delivery, Installation And Removal | 51.36 |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 23 19 00-0009 | | **Well Point Dewatering System Rental** *(31 23 19 00-0001)*<br>Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200' of header for four days - quantity should be 200'x4 or 800'). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs. | | |
| 31 23 19 00-0010 | LFD | Up To 100' In Length Well Point System Rental (LF x Days = Quantity) | 2.65 | |
| | | *For >5 Days And <1 Month, Deduct* | *-0.58* | |
| | | *For >1 Month, Deduct* | *-0.74* | |
| 31 23 19 00-0011 | LFD | >100' To 250' In Length Well Point System Rental (LF x Days = Quantity) | 1.55 | |
| | | *For >5 Days And <1 Month, Deduct* | *-0.34* | |
| | | *For >1 Month, Deduct* | *-0.43* | |
| 31 23 19 00-0012 | LFD | >250' To 500' In Length Well Point System Rental (LF x Days = Quantity) | 1.10 | |
| | | *For >5 Days And <1 Month, Deduct* | *-0.24* | |
| | | *For >1 Month, Deduct* | *-0.31* | |
| 31 23 19 00-0013 | LFD | >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity) | 0.81 | |
| | | *For >5 Days And <1 Month, Deduct* | *-0.18* | |
| | | *For >1 Month, Deduct* | *-0.23* | |
| 31 23 19 00-0014 | LFD | >1,000' In Length Well Point System Rental (LF x Days = Quantity) | 0.74 | |
| | | *For >5 Days And <1 Month, Deduct* | *-0.16* | |
| | | *For >1 Month, Deduct* | *-0.21* | |
| 31 23 19 00-0015 | | **Well Point Dewatering System Operation Costs** *(31 23 19 00-0001)*<br>Note: The quantity for operation shall be the total number of hours the well point system is operational. | | |
| 31 23 19 00-0016 | HR | Operation Costs | 118.57 | |

### 31 23 23 Fill *(31 23)*

#### 31 23 23 23 Compaction *(31 23 23)*

| | | | | |
|---|---|---|---|---|
| 31 23 23 23-0001 | | **Compaction Water, Water Truck And Operator** *(31 23 23 23)* | | |
| 31 23 23 23-0002 | MGL | Compaction Water, Water Truck And Operator<br>Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water) | 297.33 | |

#### 31 23 23 33 Flowable Fill *(31 23 23)*

| | | | | |
|---|---|---|---|---|
| 31 23 23 33-0001 | | **Flowable Fill (Fly Ash) Cement Backfill For Trenches** *(31 23 23 33)*<br>Note: Includes compaction and restoration of final grade. | | |
| 31 23 23 33-0002 | CY | Flowable Fill (Fly Ash) Cement Backfill for Trenches | 148.25 | |
| | | *For Up To 20, Add* | *61.23* | |
| | | *For >20 To 50, Add* | *39.70* | |
| | | *For >50 To 250, Add* | *19.85* | |
| | | *For >500 To 1,000, Deduct* | *-10.76* | |
| | | *For >1,000, Deduct* | *-21.53* | |

#### 31 23 23 43 Geofoam *(31 23 23)*

| | | | | |
|---|---|---|---|---|
| 31 23 23 43-0001 | | **Expanded Polystyrene (EPS) Geofoam Earthwork Void Fill** *(31 23 23 43)*<br>Note: Excludes earthwork or backfill. | | |
| 31 23 23 43-0002 | CY | 1.15 To 1.25 Lb./CF Density, Expanded Polystyrene (EPS19) Geofoam Earthwork Void Fill<br>Note: 3' x 4' x 8' length geofoam blocks | 160.89 | |
| | | *For Cutting To Shape, Add* | *9.74* | |
| 31 23 23 43-0003 | CY | 1.35 To 1.50 Lb./CF Density, Expanded Polystyrene (EPS22) Geofoam Earthwork Void Fill<br>Note: 3' x 4' x 8' length geofoam blocks | 182.82 | |
| | | *For Cutting To Shape, Add* | *11.69* | |
| 31 23 23 43-0004 | CY | 1.80 To 2.00 Lb./CF Density, Expanded Polystyrene (EPS29) Geofoam Earthwork Void Fill<br>Note: 3' x 4' x 8' length geofoam blocks | 254.53 | |
| | | *For Cutting To Shape, Add* | *15.59* | |
| 31 23 23 43-0005 | CY | 2.40 To 2.50 Lb./CF Density, Expanded Polystyrene (EPS39) Geofoam Earthwork Void Fill<br>Note: 3' x 4' x 8' length geofoam blocks | 307.97 | |
| | | *For Cutting To Shape, Add* | *19.48* | |
| 31 23 23 43-0006 | CY | 2.75 To 2.85 Lb./CF Density, Expanded Polystyrene (EPS46) Geofoam Earthwork Void Fill<br>Note: 3' x 4' x 8' length geofoam blocks | 358.00 | |
| | | *For Cutting To Shape, Add* | *22.21* | |

## 31 24 Embankments *(31 20)*

### 31 24 13 Roadway Embankments *(31 24)*

| | | | | |
|---|---|---|---|---|
| 31 24 13 00-0001 | | **Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations** *(31 24 13)*<br>Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 24 13 00-0002 | | **Cutting, Shaping And Rough Grading** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut. | | |
| 31 24 13 00-0003 | | **Cutting, Shaping, And Rough Grading** *(31 24 13 00-0002)* | | |
| 31 24 13 00-0004 | CY | Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil | 7.61 | |
| | | *For Up To 20, Add* | *7.61* | |
| | | *For >20 To 50, Add* | *5.71* | |
| | | *For >50 To 250, Add* | *3.04* | |
| | | *For >250 To 500, Add* | *1.14* | |
| | | *For >1,000, Deduct* | *-1.14* | |
| 31 24 13 00-0005 | CY | Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock Note: Includes compacted aggregate | 9.43 | |
| | | *For Up To 20, Add* | *9.43* | |
| | | *For >20 To 50, Add* | *7.07* | |
| | | *For >50 To 250, Add* | *3.77* | |
| | | *For >250 To 500, Add* | *1.41* | |
| | | *For >1,000, Deduct* | *-1.41* | |
| 31 24 13 00-0006 | | **Cutting, Shaping, And Rough Grading By Hand** *(31 24 13 00-0002)* | | |
| 31 24 13 00-0007 | SY | Shape Embankment/Slope By Hand Up To 1 On 4 Slope | 7.66 | |
| 31 24 13 00-0008 | SY | Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope | 9.96 | |
| 31 24 13 00-0009 | | **Scarify Soil** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping and embankments by machine. | | |
| 31 24 13 00-0010 | CSF | Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine | 7.05 | |
| | | *For Up To 20, Add* | *3.53* | |
| | | *For >20 To 50, Add* | *1.76* | |
| | | *For >250 To 500, Deduct* | *-0.71* | |
| | | *For >500, Deduct* | *-1.41* | |
| 31 24 13 00-0011 | | **Relocating On Site Excavated Material** *(31 24 13 00-0001)* | | |
| 31 24 13 00-0012 | CY | >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine | 13.69 | |
| | | *For Up To 20, Add* | *13.69* | |
| | | *For >20 To 50, Add* | *10.27* | |
| | | *For >50 To 250, Add* | *5.48* | |
| | | *For >250 To 500, Add* | *2.05* | |
| | | *For >1,000, Deduct* | *-2.05* | |
| 31 24 13 00-0013 | CY | >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine | 18.26 | |
| | | *For Up To 20, Add* | *18.26* | |
| | | *For >20 To 50, Add* | *13.70* | |
| | | *For >50 To 250, Add* | *7.30* | |
| | | *For >250 To 500, Add* | *2.74* | |
| | | *For >1,000, Deduct* | *-2.74* | |
| 31 24 13 00-0014 | | **Spread And Shape Imported Or Stockpiled Material** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand. | | |
| 31 24 13 00-0015 | CY | Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine | 8.37 | |
| | | *For Up To 20, Add* | *8.37* | |
| | | *For >20 To 50, Add* | *6.28* | |
| | | *For >50 To 250, Add* | *3.35* | |
| | | *For >250 To 500, Add* | *1.26* | |
| | | *For >1,000, Deduct* | *-1.26* | |
| 31 24 13 00-0016 | | **Grading** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping and embankments by machine. | | |
| 31 24 13 00-0017 | SY | Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine | 0.86 | |
| 31 24 13 00-0018 | SY | Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine | 1.15 | |
| 31 24 13 00-0019 | LF | Finish Grade For Curb | 1.30 | |
| 31 24 13 00-0020 | LF | Finish Grade For Curb And Gutter | 1.57 | |
| 31 24 13 00-0021 | SY | Laser Grading For Fields by Machine | 2.12 | |
| 31 24 13 00-0022 | | **Compaction Of Fill Or Subbase** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping and embankments by machine, per lift. | | |
| 31 24 13 00-0023 | SY | Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift | 0.78 | |
| | | *For Up To 250, Add* | *0.78* | |
| | | *For >250 To 500, Add* | *0.59* | |
| | | *For >500 To 1,000, Add* | *0.31* | |
| | | *For >5,000, Deduct* | *-0.12* | |


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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 31 24 13 00-0024 | | | Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping and embankments by machine. Includes handwork by laborer for clean-up. | | |
| | 31 24 13 00-0025 | CY | Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine | 6.21 | |
| | | | *For Up To 20, Add* | *6.21* | |
| | | | *For >20 To 50, Add* | *4.66* | |
| | | | *For >50 To 250, Add* | *2.48* | |
| | | | *For >250 To 500, Add* | *0.93* | |
| | | | *For >1,000, Deduct* | *-0.93* | |

## 31 25 Erosion and Sedimentation Controls *(31 20)*

### 31 25 14 Stabilization Measures for Erosion and Sedimentation Control *(31 25)*

### 31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001 Bonded Fiber Matrix *(31 25 14 13)*

| | | | | |
|---|---|---|---|---|
| 31 25 14 13-0002 | MSF | Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied | 65.34 | |
| 31 25 14 13-0003 | MSF | >25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied | 59.96 | |
| 31 25 14 13-0004 | MSF | >50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied | 55.39 | |
| 31 25 14 13-0005 | MSF | >100,000 Bonded Fiber Matrix, Hydraulically Applied | 52.79 | |

### 31 25 14 16 Rolled Erosion Control Mats and Blankets *(31 25 14)*

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*

| | | | | |
|---|---|---|---|---|
| 31 25 14 16-0003 | SY | S75 Single Net Erosion Control Blanket<br>Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green. | 3.17 | |
| 31 25 14 16-0004 | SY | S75BN Single Net Erosion Control Blanket<br>Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green. | 4.05 | |
| 31 25 14 16-0005 | SY | Curlex 1, Single Net Erosion Control Blanket<br>Note: As manufactured by American Excelsior | 3.01 | |
| 31 25 14 16-0006 | SY | Curlex 1, Single Net Erosion Control Blanket<br>Note: As manufactured by American Green. | 3.17 | |
| 31 25 14 16-0007 | SY | Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting | 2.82 | |

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*

| | | | | |
|---|---|---|---|---|
| 31 25 14 16-0009 | SY | S150 Double Net Erosion Control Blanket<br>Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green. | 4.07 | |
| 31 25 14 16-0010 | SY | S150 BN Double Net Erosion Control Blanket<br>Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green. | 5.46 | |
| 31 25 14 16-0011 | SY | Curlex II, Double Net Erosion Control Blanket, Natural<br>Note: As manufactured by American Excelsior. | 3.42 | |
| 31 25 14 16-0012 | SY | Curlex II, Double Net Erosion Control Blanket, Green<br>Note: As manufactured by American Excelsior. | 3.57 | |
| 31 25 14 16-0013 | SY | Enforcer Double Net Erosion Control Blanket<br>Note: As manufactured by American Excelsior. | 3.80 | |

31 25 14 16-0014 Turf Reinforcement Mats (TRM) *(31 25 14 16-0001)*

Note: Permanent, UV stabilized.

| | | | | |
|---|---|---|---|---|
| 31 25 14 16-0015 | SY | P300 Permanent Polypropylene Turf Reinforcement Mat<br>Note: 100% synthetic, UV stabilized, two layer netting. | 15.33 | |
| 31 25 14 16-0016 | SY | C350 Permanent Turf Reinforcement Mat<br>Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green. | 14.12 | |
| 31 25 14 16-0017 | SY | Recyclex TRM, Permanent Turf Reinforcement Mat<br>Note: As manufactured by American Excelsior, 100% recycled | 16.72 | |

31 25 14 16-0018 Jute Mesh Erosion Control Blankets *(31 25 14 16-0001)*

| | | | | |
|---|---|---|---|---|
| 31 25 14 16-0019 | SY | Jute Mesh, Open Uniform Weave | 4.91 | |

31 25 14 16-0020 Revegetation Mat *(31 25 14 16-0001)*

| | | | | |
|---|---|---|---|---|
| 31 25 14 16-0021 | SY | 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber<br>Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal. | 11.78 | |
| 31 25 14 16-0022 | SY | Webbed Revegetation Mat, Polypropylene Fiber<br>Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal. | 16.85 | |

### 31 25 14 23 Stabilization Measures for Erosion Control *(31 25 14)*

See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 31 25 14 23-0001 Sand Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

| | | | | |
|---|---|---|---|---|
| 31 25 14 23-0002 | BAG | 50 Lb. Capacity Sand Bag With Sand | 7.41 | 3.15 |
| | | *For >2,500 To 5,000, Deduct* | *-0.63* | |
| | | *For >5,000, Deduct* | *-1.37* | |
| 31 25 14 23-0003 | BAG | 75 Lb. Capacity Sand Bag With Sand | 9.52 | 3.91 |
| | | *For >2,500 To 5,000, Deduct* | *-0.78* | |
| | | *For >5,000, Deduct* | *-1.73* | |
| 31 25 14 23-0004 | BAG | 100 Lb. Capacity Sand Bag With Sand | 11.99 | 4.68 |
| | | *For >2,500 To 5,000, Deduct* | *-0.94* | |
| | | *For >5,000, Deduct* | *-2.13* | |
| 31 25 14 23-0005 | BAG | 125 Lb. Capacity Sand Bag With Sand | 14.76 | 5.85 |
| | | *For >2,500 To 5,000, Deduct* | *-1.17* | |
| | | *For >5,000, Deduct* | *-2.65* | |
| 31 25 14 23-0006 | BAG | 150 Lb. Capacity Sand Bag With Sand | 17.96 | 7.01 |
| | | *For >2,500 To 5,000, Deduct* | *-1.40* | |
| | | *For >5,000, Deduct* | *-3.20* | |
| 31 25 14 23-0007 | BAG | 175 Lb. Capacity Sand Bag With Sand | 20.92 | 7.97 |
| | | *For >2,500 To 5,000, Deduct* | *-1.59* | |
| | | *For >5,000, Deduct* | *-3.69* | |
| 31 25 14 23-0008 | BAG | 2,000 Lb. Capacity Sand Bag With Sand | 160.97 | 54.14 |
| | | *For >2,500 To 5,000, Deduct* | *-9.70* | |
| | | *For >5,000, Deduct* | *-25.80* | |
| 31 25 14 23-0009 | BAG | 3,000 Lb. Capacity Sand Bag With Sand | 207.57 | 59.55 |
| | | *For >2,500 To 5,000, Deduct* | *-10.67* | |
| | | *For >5,000, Deduct* | *-31.43* | |

## 31 25 14 23-0010 Gravel Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

| | | | | |
|---|---|---|---|---|
| 31 25 14 23-0011 | BAG | 30 Lb. Capacity Gravel Bag With Gravel | 6.91 | 2.10 |
| | | *For >2,500 To 5,000, Deduct* | *-0.42* | |
| | | *For >5,000, Deduct* | *-1.11* | |
| 31 25 14 23-0012 | BAG | 50 Lb. Capacity Gravel Bag With Gravel | 12.36 | 3.15 |
| | | *For >2,500 To 5,000, Deduct* | *-0.63* | |
| | | *For >5,000, Deduct* | *-1.87* | |

## 31 25 14 23-0013 Floating Turbidity Curtain *(31 25 14 23)*

Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6" x 6", 13.5 lb/ft. buoyancy in fresh water and 14.4 lb/ft buoyancy in saltwater.

| | | | | |
|---|---|---|---|---|
| 31 25 14 23-0014 | LF | 3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 27.95 | |
| | | *For Type 1, Deduct* | *-4.23* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-2.58* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *3.13* | |
| 31 25 14 23-0015 | LF | 4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 30.28 | |
| | | *For Type 1, Deduct* | *-4.66* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-2.84* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *3.44* | |
| 31 25 14 23-0016 | LF | 5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 33.47 | |
| | | *For Type 1, Deduct* | *-5.28* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-3.21* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *3.90* | |
| 31 25 14 23-0017 | LF | 6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 36.20 | |
| | | *For Type 1, Deduct* | *-5.79* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-3.52* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *4.28* | |
| 31 25 14 23-0018 | LF | 7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 37.99 | |
| | | *For Type 1, Deduct* | *-6.07* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-3.69* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *4.49* | |
| 31 25 14 23-0019 | LF | 8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 39.80 | |
| | | *For Type 1, Deduct* | *-6.35* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-3.87* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *4.70* | |
| 31 25 14 23-0020 | LF | 9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 41.88 | |
| | | *For Type 1, Deduct* | *-6.69* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-4.07* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *4.95* | |
| 31 25 14 23-0021 | LF | 10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 44.73 | |
| | | *For Type 1, Deduct* | *-7.20* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-4.38* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *5.32* | |
| 31 25 14 23-0022 | LF | 12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 46.99 | |
| | | *For Type 1, Deduct* | *-7.57* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-4.61* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *5.59* | |
| 31 25 14 23-0023 | LF | 13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 50.03 | |
| | | *For Type 1, Deduct* | *-8.10* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-4.93* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *5.99* | |
| 31 25 14 23-0024 | LF | 14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 52.85 | |
| | | *For Type 1, Deduct* | *-8.58* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-5.22* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *6.34* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 25 14 23-0025 | LF | 15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 55.61 | |
| | | *For Type 1, Deduct* | *-9.03* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-5.50* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *6.68* | |
| 31 25 14 23-0026 | LF | 16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 60.47 | |
| | | *For Type 1, Deduct* | *-9.97* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-6.07* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *7.37* | |
| 31 25 14 23-0027 | LF | 17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 63.41 | |
| | | *For Type 1, Deduct* | *-10.45* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-6.36* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *7.72* | |
| 31 25 14 23-0028 | LF | 18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 66.27 | |
| | | *For Type 1, Deduct* | *-10.90* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-6.63* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *8.05* | |
| 31 25 14 23-0029 | LF | 19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 69.30 | |
| | | *For Type 1, Deduct* | *-11.38* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-6.93* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *8.41* | |
| 31 25 14 23-0030 | LF | 20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain | 72.26 | |
| | | *For Type 1, Deduct* | *-11.83* | |
| | | *For 13 Oz PVC Fabric, Type 2, Deduct* | *-7.20* | |
| | | *For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add* | *8.74* | |

### 31 25 14 23-0031 Turbidity Curtain Anchors *(31 25 14 23)*

| | | | | |
|---|---|---|---|---|
| 31 25 14 23-0032 | EA | 14 Lb., Turbidity Curtain Anchor System<br>Note: Includes anchor, anchor chain, and marker buoy and rope. | 738.72 | |
| 31 25 14 23-0033 | EA | 25 Lb., Turbidity Curtain Anchor System<br>Note: Includes anchor, anchor chain, and marker buoy and rope. | 1,011.31 | |
| 31 25 14 23-0034 | EA | 40 Lb., Turbidity Curtain Anchor System<br>Note: Includes anchor, anchor chain, and marker buoy and rope. | 1,285.07 | |
| 31 25 14 23-0035 | EA | 65 Lb., Turbidity Curtain Anchor System<br>Note: Includes anchor, anchor chain, and marker buoy and rope. | 1,679.31 | |

### 31 25 14 23-0036 Filter Bags *(31 25 14 23)*

### 31 25 14 23-0037 Non-Woven Filter Bags *(31 25 14 23-0036)*

| | | | | |
|---|---|---|---|---|
| 31 25 14 23-0038 | EA | 6' x 15' Non-Woven Filter Bag | 259.24 | |
| 31 25 14 23-0039 | EA | 13' x 15' Non-Woven Filter Bag | 374.94 | |
| 31 25 14 23-0040 | EA | 15' x 15' Non-Woven Filter Bag | 431.29 | |

### 31 25 14 23-0041 Monofilament Filter Bags *(31 25 14 23-0036)*

| | | | | |
|---|---|---|---|---|
| 31 25 14 23-0042 | EA | 5' x 15' Monofilament Filter Bag | 269.47 | |
| 31 25 14 23-0043 | EA | 10' x 15' Monofilament Filter Bag | 372.87 | |

### 31 25 14 23-0044 Cable Articulating Concrete Block *(31 25 14 23)*

Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.

| | | | | |
|---|---|---|---|---|
| 31 25 14 23-0045 | SF | 4.75" Open Cell Articulated Concrete Block With Earth Backfill | 44.00 | |
| | | *For Up To 500, Add* | *10.07* | |
| | | *For >500 To 1,000, Add* | *5.67* | |
| 31 25 14 23-0046 | SF | 6" Open Cell Articulated Concrete Block With Earth Backfill | 50.02 | |
| | | *For Up To 500, Add* | *11.39* | |
| | | *For >500 To 1,000, Add* | *6.39* | |
| 31 25 14 23-0047 | SF | 7.5" Open Cell Articulated Concrete Block With Earth Backfill | 56.95 | |
| | | *For Up To 500, Add* | *12.92* | |
| | | *For >500 To 1,000, Add* | *7.22* | |
| 31 25 14 23-0048 | SF | 9" Open Cell Articulated Concrete Block With Earth Backfill | 64.09 | |
| | | *For Up To 500, Add* | *14.51* | |
| | | *For >500 To 1,000, Add* | *8.10* | |
| 31 25 14 23-0049 | SF | 4.75" Closed Cell Articulated Concrete Block | 46.80 | |
| | | *For Up To 500, Add* | *10.63* | |
| | | *For >500 To 1,000, Add* | *5.95* | |
| 31 25 14 23-0050 | SF | 6" Closed Cell Articulated Concrete Block | 53.37 | |
| | | *For Up To 500, Add* | *12.06* | |
| | | *For >500 To 1,000, Add* | *6.72* | |
| 31 25 14 23-0051 | SF | 7.5" Closed Cell Articulated Concrete Block | 60.92 | |
| | | *For Up To 500, Add* | *13.71* | |
| | | *For >500 To 1,000, Add* | *7.62* | |
| 31 25 14 23-0052 | SF | 9" Closed Cell Articulated Concrete Block | 68.63 | |
| | | *For Up To 500, Add* | *15.42* | |
| | | *For >500 To 1,000, Add* | *8.56* | |

## 31 25 14 26 Stabilization Measures for Sedimentation Control *(31 25 14)*

### 31 25 14 26-0001 Silt Fences And Dike Barriers *(31 25 14 26)*

Note: Includes stakes and embedding.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 31 25 14 26-0002 Silt Fences 2' High *(31 25 14 26-0001)*

See CSI section 31 25 14 26-0014 for removal of silt fence.

| | | | |
|---|---|---|---|
| 31 25 14 26-0003 | LF | 2' High Silt Fence with Stakes at 4' On Center | 5.53 |
| 31 25 14 26-0004 | LF | 2' High Silt Fence with Stakes at 6' On Center | 4.28 |
| 31 25 14 26-0005 | LF | 2' High Silt Fence with Stakes at 8' On Center | 3.01 |
| 31 25 14 26-0006 | LF | 2' High Silt Fence with Stakes at 10' On Center | 2.56 |

### 31 25 14 26-0007 Silt Fences 3' High *(31 25 14 26-0001)*

See CSI section 31 25 14 26-0014 for removal of silt fence.

| | | | |
|---|---|---|---|
| 31 25 14 26-0008 | LF | 3' High Silt Fence with Stakes at 4' On Center | 6.54 |
| 31 25 14 26-0009 | LF | 3' High Silt Fence with Stakes at 6' On Center | 5.09 |
| 31 25 14 26-0010 | LF | 3' High Silt Fence with Stakes at 8' On Center | 3.54 |
| 31 25 14 26-0011 | LF | 3' High Silt Fence with Stakes at 10' On Center | 2.90 |

### 31 25 14 26-0012 Silt Dike Barrier *(31 25 14 26-0001)*

| | | | |
|---|---|---|---|
| 31 25 14 26-0013 | LF | Silt Dike Barrier With Stakes | 4.44 |

### 31 25 14 26-0014 Silt Fences Removal *(31 25 14 26-0001)*

| | | | |
|---|---|---|---|
| 31 25 14 26-0015 | LF | Removal Of Silt Fence And Stakes | 0.99 |

### 31 25 14 26-0016 Hay And Straw Bales *(31 25 14 26)*

Note: Includes trench for placement, and stakes.

| | | | |
|---|---|---|---|
| 31 25 14 26-0017 | LF | Place Sterilized Straw Bales | 4.88 |
| | | Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of straw bale. | |
| 31 25 14 26-0018 | LF | Place Hay Bales | 4.62 |
| | | Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of hay bale. | |
| 31 25 14 26-0019 | LF | Removal Of Hay Or Straw Bales | 1.78 |
| | | Note: Includes removal of stakes. | |

### 31 25 14 26-0020 Sediment Logs (Degradable) *(31 25 14 26)*

### 31 25 14 26-0021 Sediment Logs (Degradable) *(31 25 14 26-0020)*

Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.

| | | | |
|---|---|---|---|
| 31 25 14 26-0022 | LF | 9" Sediment Fiber Roll Log | 6.62 |
| 31 25 14 26-0023 | LF | 12" Sediment Fiber Roll Log | 7.60 |
| 31 25 14 26-0024 | LF | 20" Sediment Fiber Roll Log | 11.54 |

### 31 25 14 26-0025 Wattles (Degradable) With UV Stabilized Synthetic Netting *(31 25 14 26-0020)*

Note: Includes trench for placement, 24" wood staking at 4' on-center

| | | | |
|---|---|---|---|
| 31 25 14 26-0026 | EA | Wattles (Sterile Straw Filled Rolls), 8" x 25' | 130.34 |
| 31 25 14 26-0027 | EA | Wattles (Sterile Straw Filled Rolls), 9" x 25' | 136.07 |
| 31 25 14 26-0028 | EA | Wattles (Sterile Straw Filled Rolls), 12" x 20' | 142.80 |
| 31 25 14 26-0029 | EA | Wattles (Sterile Straw Filled Rolls), 20" x 10' | 148.43 |

### 31 25 14 26-0030 Fiber Roll (CALTRANS Type 1) *(31 25 14 26)*

Note: Includes furrow trench for placement, 24" wood staking at 4' on-center

| | | | |
|---|---|---|---|
| 31 25 14 26-0031 | LF | 8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1 | 7.04 |
| | | *For >1,000 To 10,000, Deduct* | *-0.87* |
| | | *For >10,000, Deduct* | *-1.46* |
| 31 25 14 26-0032 | LF | 9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1 | 7.32 |
| | | *For >1,000 To 10,000, Deduct* | *-0.88* |
| | | *For >10,000, Deduct* | *-1.48* |
| 31 25 14 26-0033 | LF | 12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1 | 9.46 |
| | | *For >1,000 To 10,000, Deduct* | *-1.05* |
| | | *For >10,000, Deduct* | *-1.78* |

### 31 25 14 26-0034 Fiber Roll (CALTRANS Type 2) *(31 25 14 26)*

Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.

| | | | |
|---|---|---|---|
| 31 25 14 26-0035 | LF | 8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2 | 5.53 |
| | | *For >1,000 To 10,000, Deduct* | *-0.64* |
| | | *For >10,000, Deduct* | *-1.08* |
| 31 25 14 26-0036 | LF | 9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2 | 6.01 |
| | | *For >1,000 To 10,000, Deduct* | *-0.68* |
| | | *For >10,000, Deduct* | *-1.15* |
| 31 25 14 26-0037 | LF | 12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2 | 7.45 |
| | | *For >1,000 To 10,000, Deduct* | *-0.75* |
| | | *For >10,000, Deduct* | *-1.28* |

### 31 25 14 26-0038 Inlet Protection Sediment Bags *(31 25 14 26)*

Note: Includes removal, cleaning, and replacement per each location.

| | | | |
|---|---|---|---|
| 31 25 14 26-0039 | EA | 2' x 2' x 3' Inlet Protection Sediment Bag | 74.66 |
| 31 25 14 26-0040 | EA | 2' x 3' x 3' Inlet Protection Sediment Bag | 86.83 |
| 31 25 14 26-0041 | EA | 2' x 4' x 3' Inlet Protection Sediment Bag | 95.17 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 31 30 Earthwork Methods *(31)*

## 31 31 Soil Treatment *(31 30)*

### 31 31 16 Termite Control *(31 31)*

#### 31 31 16 13 Chemical Termite Control *(31 31 16)*

31 31 16 13-0001 Commercial Use *(31 31 16 13)*

| | | | | |
|---|---|---|---|---|
| 31 31 16 13-0002 | SF | Termite Pretreatment, Commercial Soil Poisoning Under Slab | 0.86 | |
| 31 31 16 13-0003 | SF | Termite Pretreatment, Commercial Slab And Walls | 1.21 | |

31 31 16 13-0004 Residential Use *(31 31 16 13)*

| | | | | |
|---|---|---|---|---|
| 31 31 16 13-0005 | SF | Termite Pretreatment, Residential General Spraying Walls And Slab | 1.24 | |
| 31 31 16 13-0006 | SF | Termite Treatment, Existing Residential Structure | 1.35 | |

### 31 31 19 Vegetation Control *(31 31)*

#### 31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001 Soil Sterilants *(31 31 19 13)*

| | | | | |
|---|---|---|---|---|
| 31 31 19 13-0002 | MSF | Soil Sterilant<br>Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more. | 34.27 | |
| | | *For >45 To 90, Deduct* | *-0.52* | |
| | | *For >90 To 225, Deduct* | *-2.75* | |
| | | *For >225, Deduct* | *-3.78* | |

## 31 32 Soil Stabilization *(31 30)*

### 31 32 13 Soil Mixing Stabilization *(31 32)*

#### 31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001 Cementitious Soil Binder *(31 32 13 16)*

| | | | |
|---|---|---|---|
| 31 32 13 16-0002 | CY | Cementitious Soil Binder, 4% Cement Mix By Volume | 41.84 |
| 31 32 13 16-0003 | CY | Cementitious Soil Binder, 6% Cement Mix By Volume | 48.00 |
| 31 32 13 16-0004 | CY | Cementitious Soil Binder, 9% Cement Mix By Volume | 58.13 |
| 31 32 13 16-0005 | CY | Cementitious Soil Binder, 12% Cement Mix By Volume | 68.12 |

#### 31 32 13 19 Lime Soil Stabilization *(31 32 13)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry *(31 32 13 19)*

| | | | | |
|---|---|---|---|---|
| 31 32 13 19-0002 | LCY | Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume | 37.68 | |
| 31 32 13 19-0003 | TON | Cement Stabilized Base Material | 131.56 | |
| 31 32 13 19-0004 | CWT | Lime For Soil Stabilization<br>Note: Excludes the cost for spreading or backfilling | 21.18 | |
| 31 32 13 19-0005 | LCY | Roller, Grader - Lime Stabilization | 18.71 | |
| 31 32 13 19-0006 | LCY | Roller, Grader - Cement Stabilization | 4.41 | |

31 32 13 19-0007 Lime Stabilized Subgrade *(31 32 13 19)*

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

| | | | | |
|---|---|---|---|---|
| 31 32 13 19-0008 | SY | 6" Thick Lime Stabilized Subgrade, 25 Lb. | 13.10 | |
| | | *For 4% Lime Instead Of 5%, Deduct* | *-0.38* | |
| | | *For 6% Lime Instead Of 5%, Add* | *0.38* | |
| 31 32 13 19-0009 | SY | 7" Thick Lime Stabilized Subgrade, 29 Lb. | 15.19 | |
| | | *For 4% Lime Instead Of 5%, Deduct* | *-0.43* | |
| | | *For 6% Lime Instead Of 5%, Add* | *0.43* | |
| 31 32 13 19-0010 | SY | 8" Thick Lime Stabilized Subgrade, 33 Lb. | 17.33 | |
| | | *For 4% Lime Instead Of 5%, Deduct* | *-0.49* | |
| | | *For 6% Lime Instead Of 5%, Add* | *0.49* | |

#### 31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

| | | | | |
|---|---|---|---|---|
| 31 32 13 29-0001 | GAL | Polyacrylamide And Calcium Solution | 2.87 | |
| 31 32 13 29-0002 | GAL | Synthetic, Liquid Dust Suppression Fluid With GTL Technology (Soil Works Durasoil)<br>Note: GTL (Gas-to-Liquid) | 10.71 | |
| 31 32 13 29-0003 | GAL | Biodegradable, Liquid Copolymer Dust Suppression Fluid (Soil Works Gorrila-Snot) | 5.14 | |

### 31 32 16 Chemical Treatment Soil Stabilization *(31 32)*

#### 31 32 16 13 Polymer Emulsion Soil Stabilization *(31 32 16)*

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

31 32 16 13-0001 Blended Co-Polymer Paving Systems (TechniSoil) *(31 32 16 13)*

31 32 16 13-0002 SF 3" Thick, Blended Co-Polymer Paving System Premixed With Decomposed Granite (TechniSoil) ..... 9.08
31 32 16 13-0003 SF Blended Co-Polymer Topical Spray (TechniSoil) ..... 3.22

## 31 32 19 Geosynthetic Soil Stabilization and Layer Separation *(31 32)*

### 31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

31 32 19 13-0001 Geogrid Fabrics *(31 32 19 13)*

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications. Includes stakes.

31 32 19 13-0002 SY 5.3 Ounce/SY, 1,700 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150) ..... 5.46
*For Up To 50, Add* *1.22*
*For >50 To 150, Add* *0.90*
*For >150 To 250, Add* *0.59*
*For >250 To 500, Add* *0.29*

31 32 19 13-0003 SY 6.9 Ounce/SY, 3,100 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300) ..... 6.23
*For Up To 50, Add* *1.38*
*For >50 To 150, Add* *1.02*
*For >150 To 250, Add* *0.67*
*For >250 To 500, Add* *0.33*

31 32 19 13-0004 SY 8.7 Ounce/SY, 4,280 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500) ..... 6.80
*For Up To 50, Add* *1.50*
*For >50 To 150, Add* *1.11*
*For >150 To 250, Add* *0.73*
*For >250 To 500, Add* *0.36*

31 32 19 13-0005 SY 12.6 Ounce/SY, 7,315 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800) ..... 9.78
*For Up To 50, Add* *2.10*
*For >50 To 150, Add* *1.56*
*For >150 To 250, Add* *1.03*
*For >250 To 500, Add* *0.51*

31 32 19 13-0006 SY 14.1 Ounce/SY, 9,790 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000) ..... 11.19
*For Up To 50, Add* *2.39*
*For >50 To 150, Add* *1.78*
*For >150 To 250, Add* *1.17*
*For >250 To 500, Add* *0.58*

31 32 19 13-0007 SY 4.3 Ounce/SY, 1,658 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20) ..... 5.55
*For Up To 50, Add* *1.23*
*For >50 To 150, Add* *0.91*
*For >150 To 250, Add* *0.60*
*For >250 To 500, Add* *0.30*

31 32 19 13-0008 SY 5.9 Ounce/SY, 2,192 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30) ..... 8.17
*For Up To 50, Add* *1.76*
*For >50 To 150, Add* *1.31*
*For >150 To 250, Add* *0.86*
*For >250 To 500, Add* *0.43*

### 31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation. Includes stakes.

31 32 19 16-0002 SY 3.0 Ounce/SY, 40 Mil, 80 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS) ..... 1.70
*For Up To 50, Add* *0.39*
*For >50 To 150, Add* *0.29*
*For >150 To 250, Add* *0.19*
*For >250 To 500, Add* *0.09*

31 32 19 16-0003 SY 3.5 Ounce/SY, 50 Mil, 95 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS) ..... 1.82
*For Up To 50, Add* *0.41*
*For >50 To 150, Add* *0.31*
*For >150 To 250, Add* *0.20*
*For >250 To 500, Add* *0.10*

31 32 19 16-0004 SY 4.0 Ounce/SY, 60 Mil, 115 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS) ..... 1.97
*For Up To 50, Add* *0.44*
*For >50 To 150, Add* *0.33*
*For >150 To 250, Add* *0.21*
*For >250 To 500, Add* *0.11*

31 32 19 16-0005 SY 4.5 Ounce/SY, 55 Mil, 120 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS) ..... 2.12
*For Up To 50, Add* *0.47*
*For >50 To 150, Add* *0.35*
*For >150 To 250, Add* *0.23*
*For >250 To 500, Add* *0.11*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 32 19 16-0006 | SY | 6.0 Ounce/SY, 70 Mil, 160 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS) | 2.52 | |
| | | *For Up To 50, Add* | *0.55* | |
| | | *For >50 To 150, Add* | *0.41* | |
| | | *For >150 To 250, Add* | *0.27* | |
| | | *For >250 To 500, Add* | *0.13* | |
| 31 32 19 16-0007 | SY | 7.0 Ounce/SY, 85 Mil, 180 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS) | 2.95 | |
| | | *For Up To 50, Add* | *0.65* | |
| | | *For >50 To 150, Add* | *0.48* | |
| | | *For >150 To 250, Add* | *0.32* | |
| | | *For >250 To 500, Add* | *0.16* | |
| 31 32 19 16-0008 | SY | 8.0 Ounce/SY, 85 Mil, 205 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS) | 3.25 | |
| | | *For Up To 50, Add* | *0.71* | |
| | | *For >50 To 150, Add* | *0.53* | |
| | | *For >150 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.17* | |
| 31 32 19 16-0009 | SY | 10 Ounce/SY, 115 Mil, 250 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS) | 4.01 | |
| | | *For Up To 50, Add* | *0.86* | |
| | | *For >50 To 150, Add* | *0.64* | |
| | | *For >150 To 250, Add* | *0.42* | |
| | | *For >250 To 500, Add* | *0.21* | |
| 31 32 19 16-0010 | SY | 16 Ounce/SY, 175 Mil, 425 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric | 7.06 | |
| | | *For Up To 50, Add* | *1.47* | |
| | | *For >50 To 150, Add* | *1.10* | |
| | | *For >150 To 250, Add* | *0.73* | |
| | | *For >250 To 500, Add* | *0.36* | |

### 31 32 19 16-0011 Woven Geotextiles Fabric *(31 32 19 16)*

Note: Includes stakes.

| | | | | |
|---|---|---|---|---|
| 31 32 19 16-0012 | SY | 200 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55) | 2.46 | |
| | | *For Up To 50, Add* | *0.54* | |
| | | *For >50 To 150, Add* | *0.40* | |
| | | *For >150 To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.13* | |
| 31 32 19 16-0013 | SY | 315 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66) | 3.45 | |
| | | *For Up To 50, Add* | *0.74* | |
| | | *For >50 To 150, Add* | *0.55* | |
| | | *For >150 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.18* | |
| 31 32 19 16-0014 | SY | 4 To 6% Open Area, 370 x 250 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%) | 6.09 | |
| | | *For Up To 50, Add* | *1.28* | |
| | | *For >50 To 150, Add* | *0.95* | |
| | | *For >150 To 250, Add* | *0.63* | |
| | | *For >250 To 500, Add* | *0.31* | |
| 31 32 19 16-0015 | SY | 11 To 15% Open Area, 370 x 220 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%) | 5.94 | |
| | | *For Up To 50, Add* | *1.25* | |
| | | *For >50 To 150, Add* | *0.93* | |
| | | *For >150 To 250, Add* | *0.61* | |
| | | *For >250 To 500, Add* | *0.31* | |
| 31 32 19 16-0016 | SY | 6.9 Oz/SY, 250 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF) | 5.19 | |
| | | *For Up To 50, Add* | *1.10* | |
| | | *For >50 To 150, Add* | *0.82* | |
| | | *For >150 To 250, Add* | *0.54* | |
| | | *For >250 To 500, Add* | *0.27* | |
| 31 32 19 16-0017 | SY | 9.1 Oz/SY, 333 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF) | 5.55 | |
| | | *For Up To 50, Add* | *1.17* | |
| | | *For >50 To 150, Add* | *0.87* | |
| | | *For >150 To 250, Add* | *0.58* | |
| | | *For >250 To 500, Add* | *0.29* | |
| 31 32 19 16-0018 | SY | 12.1 Oz/SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF) | 7.09 | |
| | | *For Up To 50, Add* | *1.48* | |
| | | *For >50 To 150, Add* | *1.10* | |
| | | *For >150 To 250, Add* | *0.73* | |
| | | *For >250 To 500, Add* | *0.36* | |
| 31 32 19 16-0019 | SY | 12.1 Oz/SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF) | 10.11 | |
| | | *For Up To 50, Add* | *2.08* | |
| | | *For >50 To 150, Add* | *1.56* | |
| | | *For >150 To 250, Add* | *1.03* | |
| | | *For >250 To 500, Add* | *0.52* | |

### 31 32 19 16-0020 Geomembranes *(31 32 19 16)*

Note: Includes stakes.

### 31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0020)*

| | | | | |
|---|---|---|---|---|
| 31 32 19 16-0022 | SF | 20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) | 1.51 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 32 19 16-0023 | SF | 30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) | 1.74 | |
| 31 32 19 16-0024 | SF | 40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) | 2.11 | |
| 31 32 19 16-0025 | SF | 50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) | 2.53 | |
| 31 32 19 16-0026 | SF | 60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) | 2.89 | |
| 31 32 19 16-0027 | SF | 70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) | 3.16 | |
| 31 32 19 16-0028 | SF | 80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) | 3.43 | |
| 31 32 19 16-0029 | SF | 90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) | 3.79 | |
| 31 32 19 16-0030 | SF | 100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) | 4.13 | |

### 31 32 19 16-0031 High-Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0020)*

| | | | | |
|---|---|---|---|---|
| 31 32 19 16-0032 | SF | 20 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics) | 1.12 | |
| 31 32 19 16-0033 | SF | 30 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics) | 0.92 | |
| 31 32 19 16-0034 | SF | 40 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics) | 1.02 | |
| 31 32 19 16-0035 | SF | 50 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics) | 1.47 | |
| 31 32 19 16-0036 | SF | 60 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics) | 1.21 | |
| 31 32 19 16-0037 | SF | 80 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics) | 1.41 | |
| 31 32 19 16-0038 | SF | 100 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics) | 1.62 | |
| 31 32 19 16-0039 | SF | 120 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics) | 2.66 | |
| 31 32 19 16-0040 | SF | 140 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics) | 2.75 | |

## 31 32 19 23 Geotextile Layer Separation *(31 32 19)*

### 31 32 19 23-0001 Polyethylene Plastic Sheeting Barrier *(31 32 19 23)*

Note: Includes stakes.

| | | | | |
|---|---|---|---|---|
| 31 32 19 23-0002 | SY | 4 Mil Polyethylene Plastic Sheeting Barrier | 0.78 | |
| 31 32 19 23-0003 | SY | 6 Mil Polyethylene Plastic Sheeting Barrier | 0.89 | |
| 31 32 19 23-0004 | SY | 8 Mil Polyethylene Plastic Sheeting Barrier | 1.41 | |

## 31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

### 31 32 19 26-0001 Geoweb Cellular Confinement System *(31 32 19 26)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

| | | | | |
|---|---|---|---|---|
| 31 32 19 26-0002 | SF | 4" Geoweb Cellular Confinement System (Presto Geosystems) | 7.93 | |
| | | *For >20,000, Deduct* | *-0.19* | |
| | | *For >2:1 Slope, Add* | *1.35* | |
| 31 32 19 26-0003 | SF | 6" Geoweb Cellular Confinement System (Presto Geosystems) | 9.65 | |
| | | *For >20,000, Deduct* | *-0.28* | |
| | | *For >2:1 Slope, Add* | *1.35* | |
| 31 32 19 26-0004 | SF | 8" Geoweb Cellular Confinement System (Presto Geosystems) | 11.70 | |
| | | *For >20,000, Deduct* | *-0.38* | |
| | | *For >2:1 Slope, Add* | *1.35* | |

## 31 32 36 Soil Nailing *(31 32)*

## 31 32 36 11 Soil Nailing Stabilization *(31 32 36)*

### 31 32 36 11-0001 Landslide and Slip-Out Stabilization *(31 32 36 11)*

Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.

### 31 32 36 11-0002 BioWall® *(31 32 36 11-0001)*

Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

| | | | | |
|---|---|---|---|---|
| 31 32 36 11-0003 | SF | BioWall® Construction | 25.00 | |

### 31 32 36 11-0004 Green Terra Mesh *(31 32 36 11-0001)*

Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

| | | | | |
|---|---|---|---|---|
| 31 32 36 11-0005 | EA | Green Terra Mesh | 635.25 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 31 32 36 11-0006 GeoSynthetically Confined Soil™ (GCS®) Components *(31 32 36 11-0001)*

Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2,400 lb/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or 3/4 in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of th See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

| | | | |
|---|---|---|---|
| 31 32 36 11-0007 | SF | GeoSynthetically Confined Soil™ (GCS®) Wall Construction<br>Note: Installation sold per square face foot (excludes materials) | 23.75 |
| 31 32 36 11-0008 | EA | GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120") | 108.50 |
| 31 32 36 11-0009 | EA | GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16") | 6.50 |
| 31 32 36 11-0010 | SF | GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile | 0.75 |

### 31 32 36 11-0011 Turf *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

### 31 32 36 11-0012 Permanent Turf Reinforcing Mat (TRM) *(31 32 36 11-0011)*

Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.

| | | | |
|---|---|---|---|
| 31 32 36 11-0013 | SF | Permanent Turf Reinforcement Mat<br>Note: sold per square face foot | 1.50 |

### 31 32 36 11-0014 Biodegradable Turf Reinforcing Mat (TRM) *(31 32 36 11-0011)*

Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.

| | | | |
|---|---|---|---|
| 31 32 36 11-0015 | SF | Biodegradable Turf Reinforcement Mat<br>Note: sold per square face foot | 0.75 |

### 31 32 36 11-0016 Shotcrete or Gunite *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

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| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

31 32 36 11-0017 **Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™** *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100

Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying

| | | | | |
|---|---|---|---|---|
| 31 32 36 11-0018 | SFI | Wet-Mix Reinforced Shotcrete<br>Note: sold per inch thickness over one square face foot of area (includes reinforcing steel). | 5.50 | |


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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

### 31 32 36 11-0019 Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6

| | | | | | |
|---|---|---|---|---|---|
| 31 32 36 11-0020 | SFI | Dry-Mix Reinforced Gunite<br>Note: sold per inch thickness over one square face foot of area (includes reinforcing steel). | | 8.50 | |

### 31 32 36 11-0021 Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

| | | | | | |
|---|---|---|---|---|---|
| 31 32 36 11-0022 | SFI | Steel Fiber Reinforcement<br>Note: sold per inch thickness over one square face foot of area | | 1.25 | |

### 31 32 36 11-0023 Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

### 31 32 36 11-0024 Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0023)*

Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

| | | | | | |
|---|---|---|---|---|---|
| 31 32 36 11-0025 | SF | High Capacity Diamond Mesh<br>Note: sold per square face foot | | 11.00 | |
| 31 32 36 11-0026 | SF | Double Twist Wire Mesh<br>Note: sold per square face foot | | 13.75 | |

### 31 32 36 11-0027 Steel Plates *(31 32 36 11-0023)*

| | | | | | |
|---|---|---|---|---|---|
| 31 32 36 11-0028 | EA | Galvanized Steel Plates (8x8) | | 35.00 | |
| 31 32 36 11-0029 | EA | Galvanized Steel Plates (10x10) | | 54.75 | |
| 31 32 36 11-0030 | EA | Galvanized Steel Plates (12x12) | | 78.75 | |
| 31 32 36 11-0031 | EA | Epoxy Coated Steel Plates (8x8) | | 76.00 | |
| 31 32 36 11-0032 | EA | Epoxy Coated Steel Plates (10x10) | | 89.25 | |
| 31 32 36 11-0033 | EA | Epoxy Coated Steel Plates (12x12) | | 105.25 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 32 36 11-0034 | | **Drilled Horizontal Drains** *(31 32 36 11-0001)*<br>Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR). | | |
| 31 32 36 11-0035 | LF | Drilled PVC Horizontal Drains (up to 2" Diameter) | 26.00 | |
| 31 32 36 11-0036 | LF | Stripdrain - 6" Wide | 3.25 | |
| 31 32 36 11-0037 | LF | Stripdrain - 12" Wide | 4.00 | |
| 31 32 36 11-0038 | LF | PVC Drain Collector Pipe System | 26.75 | |
| 31 32 36 11-0039 | | **Rockfall Stabilization** *(31 32 36 11-0001)*<br>Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR). | | |
| 31 32 36 11-0040 | SF | Scaling | 3.75 | |
| 31 32 36 11-0041 | SF | Trim Blasting | 155.00 | |
| 31 32 36 11-0042 | SY | Slope Drape - Double Twist Wire Mesh | 45.00 | |
| 31 32 36 11-0043 | SY | Slope Drape - Cable Net | 135.00 | |
| 31 32 36 11-0044 | SY | Slope Drape - Tecco Mesh (4mm) | 135.00 | |
| 31 32 36 11-0045 | LF | Temporary Rockfall Barrier | 500.00 | |
| 31 32 36 11-0046 | LF | Low Reach Drilling (<25 feet) | 25.00 | |
| 31 32 36 11-0047 | LF | High Reach Drilling (>25 feet) | 45.00 | |
| 31 32 36 11-0048 | LF | Limited Access Drilling | 100.00 | |
| 31 32 36 11-0049 | LF | F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized) | 18.50 | |
| 31 32 36 11-0050 | LF | F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated) | 15.25 | |
| 31 32 36 11-0051 | LF | F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized) | 23.25 | |
| 31 32 36 11-0052 | LF | F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated) | 17.25 | |
| 31 32 36 11-0053 | LF | F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized) | 23.50 | |
| 31 32 36 11-0054 | LF | F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated) | 18.75 | |
| 31 32 36 11-0055 | LF | F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized) | 26.50 | |
| 31 32 36 11-0056 | LF | F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated) | 21.00 | |
| 31 32 36 11-0057 | LF | F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized) | 29.25 | |
| 31 32 36 11-0058 | LF | F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated) | 21.00 | |
| 31 32 36 11-0059 | LF | F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized) | 34.50 | |
| 31 32 36 11-0060 | LF | F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated) | 31.75 | |
| 31 32 36 11-0061 | EA | Rock Anchor Testing | 825.00 | |
| 31 32 36 11-0062 | | **Mobilization / Demobilization** *(31 32 36 11-0001)* | | |
| 31 32 36 11-0063 | EA | Mobilization - In State | 10,000.00 | |
| 31 32 36 11-0064 | EA | Mobilization - Out Of State | 25,000.00 | |
| 31 32 36 11-0065 | EA | Mobilization - Specialty Equipment Adder | 9,800.00 | |
| 31 32 36 11-0066 | | **Daily Crew Rates (DCR)** *(31 32 36 11-0001)* | | |
| 31 32 36 11-0067 | DAY | Soils Stabilization Crew - DCR , Per Workday | 13,150.00 | |
| 31 32 36 11-0068 | DAY | Rockfall Stabilization Crew - DCR, Per Workday | 15,200.00 | |
| 31 32 36 11-0069 | DAY | Compaction Grouting Crew - DCR, Per Workday | 12,925.00 | |
| 31 32 36 11-0070 | DAY | Additional Crew Member/Crew - DCR, Per Workday | 2,050.00 | |
| 31 32 36 11-0071 | EA | Out of State Crew Rotation | 4,950.00 | |
| 31 32 36 11-0072 | EA | Spider Excavation | 5,500.00 | |
| **31 32 36 13** | | **Driven Soil Nailing** *(31 32 36)* | | |
| 31 32 36 13-0001 | | **Large Diameter Micropiles** *(31 32 36 13)*<br>Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR). | | |
| 31 32 36 13-0002 | LF | 5" Micropiles (with up to 5.5" steel casing) | 94.50 | |
| 31 32 36 13-0003 | LF | 7" Micropiles (with up to 7.625" steel casing) | 130.25 | |
| 31 32 36 13-0004 | LF | 10" Micropiles (with up to 9.625" steel casing) | 166.50 | |
| 31 32 36 13-0005 | LF | 12" Micropiles (with up to 11.875" steel casing) | 213.25 | |
| **31 32 36 16** | | **Grouted Soil Nailing** *(31 32 36)* | | |
| 31 32 36 16-0001 | | **Grouting** *(31 32 36 16)*<br>Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR). | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 31 32 36 16-0002 Compaction Grouting *(31 32 36 16-0001)*

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

| | | | |
|---|---|---|---|
| 31 32 36 16-0003 | LF | Compaction Grouting Casing Installation | 52.75 |
| 31 32 36 16-0004 | CF | Compaction Grout Injection for Soils Densification | 55.50 |
| 31 32 36 16-0005 | CF | Compaction Grout For Void Fill | 39.00 |

### 31 32 36 16-0006 Polyurethane Grouting *(31 32 36 16-0001)*

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3' below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

| | | | |
|---|---|---|---|
| 31 32 36 16-0007 | LB | Polyurethane Grouting For Void Fill and Re-Leveling | 11.50 |

## 31 32 36 19 Corrosion-Protected Soil Nailing *(31 32 36)*

### 31 32 36 19-0001 Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 19)*

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

### 31 32 36 19-0002 Self-Drilling SuperNails® *(31 32 36 19-0001)*

| | | | |
|---|---|---|---|
| 31 32 36 19-0003 | EA | Self Drilling SuperNails® Up To 10 Ft. Length | 559.00 |
| 31 32 36 19-0004 | EA | Self Drilling SuperNails® Up To 20 Ft. Length | 939.25 |
| 31 32 36 19-0005 | EA | Self Drilling SuperNails® Up To 30 Ft. Length | 1,305.75 |
| 31 32 36 19-0006 | EA | Self Drilling SuperNails® Up To 40 Ft. Length | 1,735.75 |
| 31 32 36 19-0007 | EA | Self Drilling SuperNails® Up To 50 Ft. Length | 2,119.75 |
| 31 32 36 19-0008 | EA | Self Drilling SuperNails® Up To 60 Ft. Length | 2,459.25 |
| 31 32 36 19-0009 | EA | Self Drilling SuperNails® Up To 70 Ft. Length | 2,879.25 |
| 31 32 36 19-0010 | EA | Self Drilling SuperNails® Up To 80 Ft. Length | 3,253.50 |
| 31 32 36 19-0011 | EA | Additional Cost for 10' High Capacity X-51 Bar | 129.50 |

### 31 32 36 19-0012 SuperNail® Testing *(31 32 36 19)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 32 36 19-0013 | EA | SuperNail® Proof Testing | 769.00 | |
| 31 32 36 19-0014 | EA | SuperNail® Verification Testing | 2,339.75 | |

## 31 32 36 26 Launched Soil Nailing *(31 32 36)*

### 31 32 36 26-0001 Launched SuperDrain™ (Horizontal Drains) *(31 32 36 26)*

Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90º about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

| | | | |
|---|---|---|---|
| 31 32 36 26-0002 | EA | GalvaDized™ SuperDrain™ - Up To 20' | 605.00 |
| | | Note: perforated GalvaDized™ steel tube up to 20 ft. length. | |
| 31 32 36 26-0003 | EA | Fiberglass SuperNail® - Up To 20' | 621.50 |
| | | Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar. | |
| 31 32 36 26-0004 | EA | GalvaDized™ SuperNail® - Up To 20' | 478.50 |
| | | Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar. | |
| 31 32 36 26-0005 | EA | Temporary Launched Soil Nail | 379.50 |
| | | Note: bare steel tube up to 20 ft. length. | |
| 31 32 36 26-0006 | EA | Fiberglass SuperDrain™ | 495.00 |
| | | Note: perforated fiberglass tube up to 20 ft. length. | |
| 31 32 36 26-0007 | EA | GalvaDized™ SuperDrain™ | 379.50 |
| | | Note: perforated GalvaDized™ steel tube up to 20 ft. length. | |

## 31 32 36 29 Drilled Soil Nailing *(31 32 36)*

### 31 32 36 29-0001 Drilled SuperNails® (Permanently Cased Soil Nails) *(31 32 36 29)*

Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

| | | | |
|---|---|---|---|
| 31 32 36 29-0002 | EA | Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length | 602.25 |
| | | Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar. | |
| 31 32 36 29-0003 | EA | Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length | 693.50 |
| | | Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar. | |
| 31 32 36 29-0004 | EA | Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length | 921.50 |
| | | Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar. | |
| 31 32 36 29-0005 | EA | Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length | 1,056.00 |
| | | Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar. | |
| 31 32 36 29-0006 | EA | Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length | 1,171.50 |
| | | Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar. | |
| 31 32 36 29-0007 | EA | Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length | 1,376.50 |
| | | Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar. | |
| 31 32 36 29-0008 | EA | Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length | 1,624.75 |
| | | Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar. | |
| 31 32 36 29-0009 | EA | Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length | 1,872.75 |
| | | Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar. | |

## 31 32 36 33 Drilled / Launched Soil Nailing *(31 32 36)*

### 31 32 36 33-0001 Drilled / Launched SuperMicropiles™ *(31 32 36 33)*

Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

| | | | |
|---|---|---|---|
| 31 32 36 33-0002 | EA | Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length | 695.00 |
| | | Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar. | |
| 31 32 36 33-0003 | EA | Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length | 1,020.00 |
| | | Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar. | |
| 31 32 36 33-0004 | EA | Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length | 1,280.00 |
| | | Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar. | |
| 31 32 36 33-0005 | EA | Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length | 1,540.00 |
| | | Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar. | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 31 35 Slope Protection *(31 30)*

### 31 35 19 Geosynthetic Slope Protection *(31 35)*

#### 31 35 19 19 Slope Protection with Mulch Control Netting *(31 35 19)*

Note: Includes stakes.

31 35 19 19-0001 Erosion Control Fabric *(31 35 19 19)*

| | | | |
|---|---|---|---|
| 31 35 19 19-0002 | SY | 26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900) | 5.56 |

## 31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

### 31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001 Stone Filled Gabion Slope Protection *(31 36 13)*

Note: Machine placed by SY of total top face area for depth indicated.

| | | | |
|---|---|---|---|
| 31 36 13 00-0002 | SY | 6" Deep Stone Filled Gabion Slope Protection | 78.20 |
| 31 36 13 00-0003 | SY | 9" Deep Stone Filled Gabion Slope Protection | 92.27 |
| 31 36 13 00-0004 | SY | 12" Deep Stone Filled Gabion Slope Protection | 111.22 |
| 31 36 13 00-0005 | SY | 15" Deep Stone Filled Gabion Slope Protection | 131.42 |
| 31 36 13 00-0006 | SY | 18" Deep Stone Filled Gabion Slope Protection | 154.33 |
| 31 36 13 00-0007 | SY | 24" Deep Stone Filled Gabion Slope Protection | 211.20 |
| 31 36 13 00-0008 | SY | 36" Deep Stone Filled Gabion Slope Protection | 266.92 |

## 31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

### 31 37 13 Machined Riprap *(31 37)*

31 37 13 00-0001 Random - Filter Stone *(31 37 13)*

| | | | |
|---|---|---|---|
| 31 37 13 00-0002 | CY | 10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap | 80.31 |
| | | *For Chinking Material, Add* | *14.15* |
| 31 37 13 00-0003 | CY | >50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap | 93.83 |
| | | *For Chinking Material, Add* | *14.15* |
| 31 37 13 00-0004 | CY | >100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap | 100.20 |
| | | *For Chinking Material, Add* | *14.15* |
| 31 37 13 00-0005 | CY | >200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap | 107.45 |
| | | *For Chinking Material, Add* | *14.15* |
| 31 37 13 00-0006 | CY | >300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap | 113.30 |
| | | *For Chinking Material, Add* | *14.15* |
| 31 37 13 00-0007 | CY | >600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap | 122.86 |
| 31 37 13 00-0008 | CY | 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap | 142.32 |
| 31 37 13 00-0009 | TON | 10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap | 52.90 |
| 31 37 13 00-0010 | TON | >50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap | 61.49 |
| 31 37 13 00-0011 | TON | >100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap | 65.53 |
| 31 37 13 00-0012 | TON | >200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap | 70.13 |
| 31 37 13 00-0013 | TON | >300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap | 73.85 |
| 31 37 13 00-0014 | TON | >600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap | 79.99 |
| 31 37 13 00-0015 | TON | 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap | 95.61 |
| 31 37 13 00-0016 | TON | Spread Of Rip Rap By Machine<br>Note: Excludes material | 17.51 |
| 31 37 13 00-0017 | TON | Key Rip Rap<br>Note: Excludes material. | 131.37 |
| 31 37 13 00-0018 | CY | Grout For Rip Rap | 228.23 |
| 31 37 13 00-0019 | TON | Additional Cost For Placement Of Rip-Rap By Barge Instead Of Truck | 149.60 |

### 31 37 16 Non-Machined Riprap *(31 37)*

#### 31 37 16 13 Rubble-Stone Riprap *(31 37 16)*

31 37 16 13-0001 Rock Slope Protection *(31 37 16 13)*

| | | | |
|---|---|---|---|
| 31 37 16 13-0002 | TON | 1 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection | 47.84 |
| 31 37 16 13-0003 | TON | 5 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection | 50.88 |
| 31 37 16 13-0004 | TON | 25 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection | 52.90 |
| 31 37 16 13-0005 | TON | 75 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection | 61.49 |
| 31 37 16 13-0006 | TON | 200 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection | 65.53 |
| 31 37 16 13-0007 | TON | 1/4 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection | 73.85 |
| 31 37 16 13-0008 | TON | 1 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection | 79.99 |
| 31 37 16 13-0009 | TON | 2 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection | 86.74 |
| 31 37 16 13-0010 | TON | 4 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection | 96.88 |

## 31 40 Shoring and Underpinning *(31)*

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

# 31 41 Shoring *(31 40)*

## 31 41 13 Timber Shoring *(31 41)*

### 31 41 13 00-0001 Wood Sheet Piling *(31 41 13)*

### 31 41 13 00-0002 Pull And Salvage *(31 41 13 00-0001)*

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

| | | | | | |
|---|---|---|---|---|---|
| 31 41 13 00-0003 | SF | 8' Deep Excavation, Wood Shoring, Pull And Salvage | | 14.64 | |
| | | *For Wood Sheeting Left In Place* | | *-1.51* | |
| 31 41 13 00-0004 | SF | 10' Deep Excavation, Wood Shoring, Pull And Salvage | | 15.84 | |
| | | *For Wood Sheeting Left In Place* | | *-1.76* | |
| 31 41 13 00-0005 | SF | 12' Deep Excavation, Wood Shoring, Pull And Salvage | | 17.18 | |
| | | *For Wood Sheeting Left In Place* | | *-2.01* | |
| 31 41 13 00-0006 | SF | 14' Deep Excavation, Wood Shoring, Pull And Salvage | | 18.61 | |
| | | *For Wood Sheeting Left In Place* | | *-2.32* | |
| 31 41 13 00-0007 | SF | 16' Deep Excavation, Wood Shoring, Pull And Salvage | | 20.19 | |
| | | *For Wood Sheeting Left In Place* | | *-2.62* | |
| 31 41 13 00-0008 | SF | 18' Deep Excavation, Wood Shoring, Pull And Salvage | | 21.87 | |
| | | *For Wood Sheeting Left In Place* | | *-2.99* | |
| 31 41 13 00-0009 | SF | 20' Deep Excavation, Wood Shoring, Pull And Salvage | | 23.73 | |
| | | *For Wood Sheeting Left In Place* | | *-3.37* | |

## 31 41 16 Sheet Piling *(31 41)*

### 31 41 16 13 Steel Sheet Piling *(31 41 16)*

### 31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage *(31 41 16 13)*

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

| | | | | | |
|---|---|---|---|---|---|
| 31 41 16 13-0002 | TON | Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage | | 2,085.13 | |
| | | *For Standard Sheeting Left In Place, Add* | | *1,285.20* | |
| | | *For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add* | | *1,239.56* | |
| | | *For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add* | | *102.70* | |
| | | *For High Strength Sheeting 55,000 PSI Grade, Add* | | *114.11* | |
| | | *For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add* | | *353.73* | |
| | | *For Each Additional Month >3 Months, Add* | | *57.05* | |
| 31 41 16 13-0003 | TON | Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage | | 2,166.73 | |
| | | *For Standard Sheeting Left In Place, Add* | | *1,244.40* | |
| | | *For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add* | | *1,198.76* | |
| | | *For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add* | | *102.70* | |
| | | *For High Strength Sheeting 55,000 PSI Grade, Add* | | *114.11* | |
| | | *For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add* | | *353.73* | |
| | | *For Each Additional Month >3 Months, Add* | | *57.05* | |
| 31 41 16 13-0004 | TON | Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage | | 2,546.10 | |
| | | *For Standard Sheeting Left In Place, Add* | | *1,054.71* | |
| | | *For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add* | | *1,009.07* | |
| | | *For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add* | | *102.70* | |
| | | *For High Strength Sheeting 55,000 PSI Grade, Add* | | *114.11* | |
| | | *For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add* | | *353.73* | |
| | | *For Each Additional Month >3 Months, Add* | | *57.05* | |
| 31 41 16 13-0005 | TON | Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage | | 2,911.15 | |
| | | *For Standard Sheeting Left In Place, Add* | | *872.19* | |
| | | *For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add* | | *826.55* | |
| | | *For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add* | | *102.70* | |
| | | *For High Strength Sheeting 55,000 PSI Grade, Add* | | *114.11* | |
| | | *For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add* | | *353.73* | |
| | | *For Each Additional Month >3 Months, Add* | | *57.05* | |
| 31 41 16 13-0006 | TON | Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage | | 3,125.88 | |
| | | *For Standard Sheeting Left In Place, Add* | | *764.82* | |
| | | *For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add* | | *719.18* | |
| | | *For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add* | | *102.70* | |
| | | *For High Strength Sheeting 55,000 PSI Grade, Add* | | *114.11* | |
| | | *For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add* | | *353.73* | |
| | | *For Each Additional Month >3 Months, Add* | | *57.05* | |
| 31 41 16 13-0007 | TON | Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage | | 3,344.91 | |
| | | *For Standard Sheeting Left In Place, Add* | | *655.31* | |
| | | *For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add* | | *609.67* | |
| | | *For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add* | | *102.70* | |
| | | *For High Strength Sheeting 55,000 PSI Grade, Add* | | *114.11* | |
| | | *For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add* | | *353.73* | |
| | | *For Each Additional Month >3 Months, Add* | | *57.05* | |

### 31 41 16 13-0008 Steel Shoring Plates *(31 41 16 13)*

| | | | | | |
|---|---|---|---|---|---|
| 31 41 16 13-0009 | EA | 1/2" x 12" x 12" Steel Plate For Shoring | | 43.51 | |

# 31 43 Concrete Raising *(31 40)*

## 31 43 13 Pressure Grouting *(31 43)*


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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

### 31 43 13 16 Polyurethane Pressure Grouting *(31 43 13)*

31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling *(31 43 13 16)*

| | | | | |
|---|---|---|---|---|
| 31 43 13 16-0002 | EA | Mobilization PolyLift™ Concrete Lifting And Leveling Minimum Charge | 3,587.25 | |
| 31 43 13 16-0003 | LB | Up To 1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling<br>Note: Per pound of material. | 31.71 | |
| 31 43 13 16-0004 | LB | >1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling<br>Note: Per pound of material. | 26.56 | |

## 31 45 Vibroflotation and Densification *(31 40)*

### 31 45 13 Vibroflotation *(31 45)*

| | | | | |
|---|---|---|---|---|
| 31 45 13 00-0001 | LCY | Soil Stabilization, Vibroflotation | 17.97 | |

# 31 50 Excavation Support and Protection *(31)*

## 31 52 Cofferdams *(31 50)*

### 31 52 21 Portable Cofferdams *(31 52)*

31 52 21 00-0001 Portable Cofferdams *(31 52 21)*
Note: Excludes dewatering and pumps.

31 52 21 00-0002 Portable Cofferdam Rental *(31 52 21 00-0001)*
Note: Excludes delivery and installation.

| | | | | |
|---|---|---|---|---|
| 31 52 21 00-0003 | LF | 3' High x 7' Width, Portable Cofferdam, Rental Per Month<br>Note: Minimum 40' | 51.69 | |
| 31 52 21 00-0004 | LF | 4' High x 9' Width, Portable Cofferdam, Rental Per Month<br>Note: Minimum 40' | 66.16 | |
| 31 52 21 00-0005 | LF | 5' High x 11' Width, Portable Cofferdam, Rental Per Month<br>Note: Minimum 40' | 93.04 | |
| 31 52 21 00-0006 | LF | 6' High x 13' Width, Portable Cofferdam, Rental Per Month<br>Note: Minimum 40' | 119.92 | |
| 31 52 21 00-0007 | LF | 8' High x 17' Width, Portable Cofferdam, Rental Per Month<br>Note: Minimum 40' | 155.06 | |
| 31 52 21 00-0008 | LF | 10' High x 21' Width, Portable Cofferdam, Rental Per Month<br>Note: Minimum 40' | 310.12 | |
| 31 52 21 00-0009 | LF | 12' High x 25' Width, Portable Cofferdam, Rental Per Month<br>Note: Minimum 40' | 434.18 | |
| 31 52 21 00-0010 | LF | 16' High x 33' Width, Portable Cofferdam, Rental Per Month<br>Note: Minimum 40' | 614.05 | |

31 52 21 00-0011 Portable Cofferdam Delivery And Set-up *(31 52 21 00-0001)*
Note: Excludes crane usage where required. See CSI section 01 22 23 00-0969 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 31 52 21 00-0012 | LF | Up To 5' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water | 12.45 | |
| 31 52 21 00-0013 | LF | 6' To 8' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water | 19.92 | |
| 31 52 21 00-0014 | LF | 10' To 12' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water | 29.88 | |
| 31 52 21 00-0015 | LF | 16' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water | 39.85 | |
| 31 52 21 00-0016 | LF | Up To 5' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water | 7.47 | |
| 31 52 21 00-0017 | LF | 6' To 8' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water | 12.45 | |
| 31 52 21 00-0018 | LF | 10' To 12' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water | 19.92 | |
| 31 52 21 00-0019 | LF | 16' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water | 27.40 | |

31 52 21 00-0020 Portable Cofferdam Repositioning *(31 52 21 00-0001)*

| | | | | |
|---|---|---|---|---|
| 31 52 21 00-0021 | LF | Up To 5' High, Portable Cofferdam, Repositioning | 6.23 | |
| 31 52 21 00-0022 | LF | 6' To 8' High, Portable Cofferdam, Repositioning | 9.96 | |
| 31 52 21 00-0023 | LF | 10' To 12' High, Portable Cofferdam, Repositioning | 14.94 | |
| 31 52 21 00-0024 | LF | 16' High, Portable Cofferdam, Repositioning | 19.92 | |

# 31 60 Special Foundations and Load-bearing Elements *(31)*

## 31 62 Driven Piles *(31 60)*

### 31 62 13 Concrete Piles *(31 62)*

#### 31 62 13 23 Prestressed Concrete Piles *(31 62 13)*

31 62 13 23-0001 Square Prestressed Driven Concrete Piles *(31 62 13 23)*

| | | | | |
|---|---|---|---|---|
| 31 62 13 23-0002 | VLF | 10" Square Prestressed Driven Concrete Pile | 33.97 | |
| | | *For Piles Driven In Water, Add* | | *15.71* |
| 31 62 13 23-0003 | VLF | 12" Square Prestressed Driven Concrete Pile | 42.86 | |
| | | *For Piles Driven In Water, Add* | | *17.75* |
| 31 62 13 23-0004 | VLF | 14" Square Prestressed Driven Concrete Pile | 52.20 | |
| | | *For Piles Driven In Water, Add* | | *19.58* |
| 31 62 13 23-0005 | VLF | 16" Square Prestressed Driven Concrete Pile | 64.21 | |
| | | *For Piles Driven In Water, Add* | | *21.81* |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 62 13 23-0006 | VLF | 18" Square Prestressed Driven Concrete Pile | 78.20 | |
| | | *For Piles Driven In Water, Add* | *24.39* | |
| 31 62 13 23-0007 | VLF | 20" Square Prestressed Driven Concrete Pile | 90.61 | |
| | | *For Piles Driven In Water, Add* | *27.01* | |
| 31 62 13 23-0008 | VLF | 24" Square Prestressed Driven Concrete Pile | 115.98 | |
| | | *For Piles Driven In Water, Add* | *31.18* | |

### 31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles *(31 62 13 23)*

| | | | | |
|---|---|---|---|---|
| 31 62 13 23-0010 | VLF | 12" Octagonal Prestressed Driven Concrete Pile | 38.30 | |
| | | *For Piles Driven In Water, Add* | *16.50* | |
| 31 62 13 23-0011 | VLF | 14" Octagonal Prestressed Driven Concrete Pile | 47.25 | |
| | | *For Piles Driven In Water, Add* | *18.19* | |
| 31 62 13 23-0012 | VLF | 16" Octagonal Prestressed Driven Concrete Pile | 56.33 | |
| | | *For Piles Driven In Water, Add* | *20.00* | |
| 31 62 13 23-0013 | VLF | 18" Octagonal Prestressed Driven Concrete Pile | 67.56 | |
| | | *For Piles Driven In Water, Add* | *22.15* | |
| 31 62 13 23-0014 | VLF | 20" Octagonal Prestressed Driven Concrete Pile | 71.89 | |
| | | *For Piles Driven In Water, Add* | *23.76* | |
| 31 62 13 23-0015 | VLF | 24" Octagonal Prestressed Driven Concrete Pile | 76.46 | |
| | | *For Piles Driven In Water, Add* | *25.59* | |

### 31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles *(31 62 13 23)*

| | | | | |
|---|---|---|---|---|
| 31 62 13 23-0017 | VLF | 12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile | 55.74 | |
| | | *For Piles Driven In Water, Add* | *17.54* | |
| 31 62 13 23-0018 | VLF | 14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile | 66.21 | |
| | | *For Piles Driven In Water, Add* | *19.29* | |
| 31 62 13 23-0019 | VLF | 16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile | 78.61 | |
| | | *For Piles Driven In Water, Add* | *21.33* | |
| 31 62 13 23-0020 | VLF | 18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile | 89.04 | |
| | | *For Piles Driven In Water, Add* | *23.27* | |
| 31 62 13 23-0021 | VLF | 20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile | 112.19 | |
| | | *For Piles Driven In Water, Add* | *26.61* | |
| 31 62 13 23-0022 | VLF | 24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile | 138.91 | |
| | | *For Piles Driven In Water, Add* | *30.46* | |

## 31 62 16 Steel Piles *(31 62)*

### 31 62 16 16 Steel H Piles *(31 62 16)*

### 31 62 16 16-0001 Rolled, Driven Steel H Piles *(31 62 16 16)*

| | | | | |
|---|---|---|---|---|
| 31 62 16 16-0002 | VLF | 8" x 8" x 36 Lb./FT, Rolled, Driven Steel H Pile | 33.92 | |
| | | *For Piles Driven In Water, Add* | *16.86* | |
| 31 62 16 16-0003 | VLF | 10" x 10" x 42 Lb./FT, Rolled, Driven Steel H Pile | 37.82 | |
| | | *For Piles Driven In Water, Add* | *17.91* | |
| 31 62 16 16-0004 | VLF | 10" x 10" x 57 Lb./FT, Rolled, Driven Steel H Pile | 45.72 | |
| | | *For Piles Driven In Water, Add* | *18.70* | |
| 31 62 16 16-0005 | VLF | 12" x 12" x 53 Lb./FT, Rolled, Driven Steel H Pile | 44.08 | |
| | | *For Piles Driven In Water, Add* | *18.96* | |
| 31 62 16 16-0006 | VLF | 12" x 12" x 63 Lb./FT, Rolled, Driven Steel H Pile | 49.35 | |
| | | *For Piles Driven In Water, Add* | *19.49* | |
| 31 62 16 16-0007 | VLF | 12" x 12" x 74 Lb./FT, Rolled, Driven Steel H Pile | 56.48 | |
| | | *For Piles Driven In Water, Add* | *21.41* | |
| 31 62 16 16-0008 | VLF | 12" x 12" x 84 Lb./FT, Rolled, Driven Steel H Pile | 61.75 | |
| | | *For Piles Driven In Water, Add* | *21.93* | |
| 31 62 16 16-0009 | VLF | 14" x 14" x 73 Lb./FT, Rolled, Driven Steel H Pile | 56.39 | |
| | | *For Piles Driven In Water, Add* | *21.79* | |
| 31 62 16 16-0010 | VLF | 14" x 14" x 89 Lb./FT, Rolled, Driven Steel H Pile | 65.35 | |
| | | *For Piles Driven In Water, Add* | *22.69* | |
| 31 62 16 16-0011 | VLF | 14" x 14" x 102 Lb./FT, Rolled, Driven Steel H Pile | 73.16 | |
| | | *For Piles Driven In Water, Add* | *24.81* | |
| 31 62 16 16-0012 | VLF | 14" x 14" x 117 Lb./FT, Rolled, Driven Steel H Pile | 81.58 | |
| | | *For Piles Driven In Water, Add* | *25.65* | |

### 31 62 16 16-0013 Splices, Caps, And Points For H-Piles *(31 62 16 16)*

### 31 62 16 16-0014 Rolled Steel H Pile Splices *(31 62 16 16-0013)*

| | | | | |
|---|---|---|---|---|
| 31 62 16 16-0015 | EA | 8" Rolled Steel H Pile Splice | 321.19 | |
| 31 62 16 16-0016 | EA | 10" Rolled Steel H Pile Splice | 358.60 | |
| 31 62 16 16-0017 | EA | 12" Rolled Steel H Pile Splice | 492.79 | |
| 31 62 16 16-0018 | EA | 14" Rolled Steel H Pile Splice | 511.50 | |

### 31 62 16 16-0019 Rolled Steel H Driving Caps *(31 62 16 16-0013)*

| | | | | |
|---|---|---|---|---|
| 31 62 16 16-0020 | EA | 8" Rolled Steel H Driving Cap | 3,115.69 | |
| 31 62 16 16-0021 | EA | 10" Rolled Steel H Driving Cap | 3,115.69 | |
| 31 62 16 16-0022 | EA | 12" Rolled Steel H Driving Cap | 3,176.31 | |
| 31 62 16 16-0023 | EA | 14" Rolled Steel H Driving Cap | 4,766.08 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **31 62 16 16-0024** | | **Rolled Steel H Standard Pile Points** *(31 62 16 16-0013)* | | |
| 31 62 16 16-0025 | EA | 8" Rolled Steel H Standard Pile Point | 339.90 | |
| 31 62 16 16-0026 | EA | 10" Rolled Steel H Standard Pile Point | 358.60 | |
| 31 62 16 16-0027 | EA | 12" Rolled Steel H Standard Pile Point | 492.79 | |
| 31 62 16 16-0028 | EA | 14" Rolled Steel H Standard Pile Point | 548.90 | |
| 31 62 16 16-0029 | EA | 10" Rolled Steel H Standard Pile Point | 492.79 | |
| 31 62 16 16-0030 | EA | 14" Rolled Steel H Standard Pile Point | 585.13 | |
| **31 62 16 19** | | **Unfilled Tubular Steel Piles** *(31 62 16)* | | |
| **31 62 16 19-0001** | | **Unfilled Tubular Driven Steel Piles** *(31 62 16 19)* | | |
| 31 62 16 19-0002 | VLF | 8" Diameter x 29 Lb./FT, Unfilled Tubular Driven Steel Pile | 59.54 | |
| | | *For Piles Driven In Water, Add* | *23.19* | |
| 31 62 16 19-0003 | VLF | 8" Diameter x 36 Lb./FT, Unfilled Tubular Driven Steel Pile | 69.64 | |
| | | *For Piles Driven In Water, Add* | *24.20* | |
| 31 62 16 19-0004 | VLF | 8" Diameter x 43 Lb./FT, Unfilled Tubular Driven Steel Pile | 80.54 | |
| | | *For Piles Driven In Water, Add* | *25.29* | |
| 31 62 16 19-0005 | VLF | 10" Diameter x 34 Lb./FT, Unfilled Tubular Driven Steel Pile | 69.64 | |
| | | *For Piles Driven In Water, Add* | *24.20* | |
| 31 62 16 19-0006 | VLF | 10" Diameter x 41 Lb./FT, Unfilled Tubular Driven Steel Pile | 79.23 | |
| | | *For Piles Driven In Water, Add* | *25.16* | |
| 31 62 16 19-0007 | VLF | 10" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile | 100.43 | |
| | | *For Piles Driven In Water, Add* | *27.28* | |
| 31 62 16 19-0008 | VLF | 12" Diameter x 42 Lb./FT, Unfilled Tubular Driven Steel Pile | 82.53 | |
| | | *For Piles Driven In Water, Add* | *26.39* | |
| 31 62 16 19-0009 | VLF | 12" Diameter x 50 Lb./FT, Unfilled Tubular Driven Steel Pile | 93.76 | |
| | | *For Piles Driven In Water, Add* | *27.51* | |
| 31 62 16 19-0010 | VLF | 12" Diameter x 54 Lb./FT, Unfilled Tubular Driven Steel Pile | 100.00 | |
| | | *For Piles Driven In Water, Add* | *28.14* | |
| 31 62 16 19-0011 | VLF | 12" Diameter x 65 Lb./FT, Unfilled Tubular Driven Steel Pile | 117.46 | |
| | | *For Piles Driven In Water, Add* | *29.88* | |
| 31 62 16 19-0012 | VLF | 14" Diameter x 46 Lb./FT, Unfilled Tubular Driven Steel Pile | 89.13 | |
| | | *For Piles Driven In Water, Add* | *28.95* | |
| 31 62 16 19-0013 | VLF | 14" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile | 101.83 | |
| | | *For Piles Driven In Water, Add* | *30.22* | |
| 31 62 16 19-0014 | VLF | 14" Diameter x 64 Lb./FT, Unfilled Tubular Driven Steel Pile | 114.54 | |
| | | *For Piles Driven In Water, Add* | *31.49* | |
| 31 62 16 19-0015 | VLF | 14" Diameter x 72 Lb./FT, Unfilled Tubular Driven Steel Pile | 127.24 | |
| | | *For Piles Driven In Water, Add* | *32.76* | |
| 31 62 16 19-0016 | VLF | 16" Diameter x 52 Lb./FT, Unfilled Tubular Driven Steel Pile | 99.13 | |
| | | *For Piles Driven In Water, Add* | *32.29* | |
| 31 62 16 19-0017 | VLF | 16" Diameter x 63 Lb./FT, Unfilled Tubular Driven Steel Pile | 113.99 | |
| | | *For Piles Driven In Water, Add* | *33.77* | |
| 31 62 16 19-0018 | VLF | 16" Diameter x 83 Lb./FT, Unfilled Tubular Driven Steel Pile | 142.95 | |
| | | *For Piles Driven In Water, Add* | *36.67* | |
| 31 62 16 19-0019 | VLF | 18" Diameter x 59 Lb./FT, Unfilled Tubular Driven Steel Pile | 123.45 | |
| | | *For Piles Driven In Water, Add* | *36.61* | |
| 31 62 16 19-0020 | VLF | 18" Diameter x 71 Lb./FT, Unfilled Tubular Driven Steel Pile | 142.74 | |
| | | *For Piles Driven In Water, Add* | *38.54* | |
| 31 62 16 19-0021 | VLF | 18" Diameter x 93 Lb./FT, Unfilled Tubular Driven Steel Pile | 179.41 | |
| | | *For Piles Driven In Water, Add* | *42.21* | |
| **31 62 16 19-0022** | | **Splices And Points For Pipe Piles** *(31 62 16 19)* | | |
| **31 62 16 19-0023** | | **Steel Pipe Pile Splices** *(31 62 16 19-0022)* | | |
| 31 62 16 19-0024 | EA | 8" Diameter, Steel Pipe Pile Splice | 405.52 | |
| 31 62 16 19-0025 | EA | 10" Diameter, Steel Pipe Pile Splice | 451.96 | |
| 31 62 16 19-0026 | EA | 12" Diameter, Steel Pipe Pile Splice | 572.20 | |
| 31 62 16 19-0027 | EA | 14" Diameter, Steel Pipe Pile Splice | 618.00 | |
| 31 62 16 19-0028 | EA | 16" Diameter, Steel Pipe Pile Splice | 769.70 | |
| 31 62 16 19-0029 | EA | 18" Diameter, Steel Pipe Pile Splice | 951.77 | |
| **31 62 16 19-0030** | | **Steel Pipe Standard Pile Points** *(31 62 16 19-0022)* | | |
| 31 62 16 19-0031 | EA | 8" Diameter, Steel Pipe Standard Pile Point | 371.47 | |
| 31 62 16 19-0032 | EA | 10" Diameter, Steel Pipe Standard Pile Point | 408.67 | |
| 31 62 16 19-0033 | EA | 12" Diameter, Steel Pipe Standard Pile Point | 469.55 | |
| 31 62 16 19-0034 | EA | 14" Diameter, Steel Pipe Standard Pile Point | 571.84 | |
| 31 62 16 19-0035 | EA | 16" Diameter, Steel Pipe Standard Pile Point | 664.82 | |
| 31 62 16 19-0036 | EA | 18" Diameter, Steel Pipe Standard Pile Point | 760.90 | |
| **31 62 16 19-0037** | | **Steel Pipe Heavy-Duty Pile Points** *(31 62 16 19-0022)* | | |
| 31 62 16 19-0038 | EA | 10" Diameter, Steel Pipe Heavy-Duty Pile Point | 526.56 | |
| 31 62 16 19-0039 | EA | 12" Diameter, Steel Pipe Heavy-Duty Pile Point | 573.05 | |
| 31 62 16 19-0040 | EA | 14" Diameter, Steel Pipe Heavy-Duty Pile Point | 652.50 | |
| 31 62 16 19-0041 | EA | 16" Diameter, Steel Pipe Heavy-Duty Pile Point | 838.48 | |
| 31 62 16 19-0042 | EA | 18" Diameter, Steel Pipe Heavy-Duty Pile Point | 979.72 | |

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

## 31 62 19 Timber Piles *(31 62)*

### 31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles *(31 62 19)*

Note: 12 LB Penta-treated/CF.

| | | | | | |
|---|---|---|---|---|---|
| 31 62 19 00-0002 | LF | Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile | | 34.80 | |
| | | *For Piles Driven In Water, Add* | | *15.45* | |
| | | *For Untreated Pile, Deduct* | | *-7.96* | |
| | | *For Each Pile Tip Point, Add* | | *12.50* | |
| | | *For Each Pile Butt, Driving Cap, Add* | | *20.10* | |
| | | *For Each Splice For Pile >50', Add* | | *139.40* | |
| 31 62 19 00-0003 | LF | >30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile | | 36.70 | |
| | | *For Piles Driven In Water, Add* | | *17.13* | |
| | | *For Untreated Pile, Deduct* | | *-8.04* | |
| | | *For Each Pile Tip Point, Add* | | *12.50* | |
| | | *For Each Pile Butt, Driving Cap, Add* | | *20.10* | |
| | | *For Each Splice For Pile >50', Add* | | *139.40* | |
| 31 62 19 00-0004 | LF | 39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile | | 38.69 | |
| | | *For Piles Driven In Water, Add* | | *18.23* | |
| | | *For Untreated Pile, Deduct* | | *-8.41* | |
| | | *For Each Pile Tip Point, Add* | | *12.50* | |
| | | *For Each Pile Butt, Driving Cap, Add* | | *20.10* | |
| | | *For Each Splice For Pile >50', Add* | | *139.40* | |
| 31 62 19 00-0005 | LF | >49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile | | 41.69 | |
| | | *For Piles Driven In Water, Add* | | *20.32* | |
| | | *For Untreated Pile, Deduct* | | *-8.78* | |
| | | *For Each Pile Tip Point, Add* | | *12.50* | |
| | | *For Each Pile Butt, Driving Cap, Add* | | *20.10* | |
| | | *For Each Splice For Pile >50', Add* | | *139.40* | |
| 31 62 19 00-0006 | LF | >59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile | | 51.72 | |
| | | *For Piles Driven In Water, Add* | | *23.12* | |
| | | *For Untreated Pile, Deduct* | | *-11.76* | |
| | | *For Each Pile Tip Point, Add* | | *12.50* | |
| | | *For Each Pile Butt, Driving Cap, Add* | | *20.10* | |
| | | *For Each Splice For Pile >50', Add* | | *139.40* | |
| 31 62 19 00-0007 | LF | >69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile | | 64.57 | |
| | | *For Piles Driven In Water, Add* | | *27.99* | |
| | | *For Untreated Pile, Deduct* | | *-15.04* | |
| | | *For Each Pile Tip Point, Add* | | *12.50* | |
| | | *For Each Pile Butt, Driving Cap, Add* | | *20.10* | |
| | | *For Each Splice For Pile >50', Add* | | *139.40* | |

## 31 62 23 Composite Piles *(31 62)*

### 31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

### 31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

| | | | | | |
|---|---|---|---|---|---|
| 31 62 23 13-0002 | VLF | 8" Diameter x 29 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | | 63.47 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | | *7.33* | |
| | | *For Piles Driven In Water, Add* | | *25.08* | |
| 31 62 23 13-0003 | VLF | 8" Diameter x 36 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | | 73.57 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | | *8.34* | |
| | | *For Piles Driven In Water, Add* | | *26.09* | |
| 31 62 23 13-0004 | VLF | 8" Diameter x 43 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | | 84.47 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | | *9.43* | |
| | | *For Piles Driven In Water, Add* | | *27.18* | |
| 31 62 23 13-0005 | VLF | 10" Diameter x 34 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | | 75.37 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | | *10.18* | |
| | | *For Piles Driven In Water, Add* | | *26.68* | |
| 31 62 23 13-0006 | VLF | 10" Diameter x 41 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | | 84.96 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | | *11.14* | |
| | | *For Piles Driven In Water, Add* | | *27.64* | |
| 31 62 23 13-0007 | VLF | 10" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | | 106.17 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | | *13.26* | |
| | | *For Piles Driven In Water, Add* | | *29.76* | |
| 31 62 23 13-0008 | VLF | 12" Diameter x 42 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | | 90.60 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | | *13.62* | |
| | | *For Piles Driven In Water, Add* | | *29.81* | |
| 31 62 23 13-0009 | VLF | 12" Diameter x 50 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | | 101.83 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | | *14.75* | |
| | | *For Piles Driven In Water, Add* | | *30.94* | |
| 31 62 23 13-0010 | VLF | 12" Diameter x 54 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | | 108.07 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | | *15.37* | |
| | | *For Piles Driven In Water, Add* | | *31.56* | |
| 31 62 23 13-0011 | VLF | 12" Diameter x 65 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | | 125.53 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | | *17.12* | |
| | | *For Piles Driven In Water, Add* | | *33.31* | |
| 31 62 23 13-0012 | VLF | 14" Diameter x 46 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | | 99.98 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | | *16.64* | |
| | | *For Piles Driven In Water, Add* | | *34.26* | |
| 31 62 23 13-0013 | VLF | 14" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | | 112.69 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | | *17.91* | |
| | | *For Piles Driven In Water, Add* | | *35.53* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 62 23 13-0014 | VLF | 14" Diameter x 64 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | 125.39 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | *19.18* | |
| | | *For Piles Driven In Water, Add* | *36.80* | |
| 31 62 23 13-0015 | VLF | 14" Diameter x 72 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | 138.10 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | *20.45* | |
| | | *For Piles Driven In Water, Add* | *38.07* | |
| 31 62 23 13-0016 | VLF | 16" Diameter x 52 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | 110.97 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | *20.45* | |
| | | *For Piles Driven In Water, Add* | *36.81* | |
| 31 62 23 13-0017 | VLF | 16" Diameter x 63 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | 125.83 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | *21.94* | |
| | | *For Piles Driven In Water, Add* | *38.30* | |
| 31 62 23 13-0018 | VLF | 16" Diameter x 83 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | 154.80 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | *24.83* | |
| | | *For Piles Driven In Water, Add* | *41.19* | |
| 31 62 23 13-0019 | VLF | 18" Diameter x 59 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | 137.75 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | *26.17* | |
| | | *For Piles Driven In Water, Add* | *41.57* | |
| 31 62 23 13-0020 | VLF | 18" Diameter x 71 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | 157.05 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | *28.10* | |
| | | *For Piles Driven In Water, Add* | *43.50* | |
| 31 62 23 13-0021 | VLF | 18" Diameter x 93 Lb./FT, Concrete-Filled Driven Steel Pipe Pile | 193.71 | |
| | | *For 5,000 PSI Concrete Grout Fill, Add* | *31.76* | |
| | | *For Piles Driven In Water, Add* | *47.16* | |

### 31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

| | | | | |
|---|---|---|---|---|
| 31 62 23 13-0023 | VLF | 12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile | 85.49 | |
| | | *For Piles Driven In Water, Add* | *22.91* | |
| 31 62 23 13-0024 | VLF | 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile | 104.42 | |
| | | *For Piles Driven In Water, Add* | *25.83* | |
| 31 62 23 13-0025 | VLF | 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile | 118.48 | |
| | | *For Piles Driven In Water, Add* | *28.42* | |
| 31 62 23 13-0026 | VLF | 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile | 128.90 | |
| | | *For Piles Driven In Water, Add* | *30.84* | |

### 31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

| | | | | |
|---|---|---|---|---|
| 31 62 23 13-0028 | VLF | 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile | 83.78 | |
| | | *For Piles Driven In Water, Add* | *22.74* | |
| 31 62 23 13-0029 | VLF | 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile | 85.78 | |
| | | *For Piles Driven In Water, Add* | *23.97* | |
| 31 62 23 13-0030 | VLF | 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile | 105.41 | |
| | | *For Piles Driven In Water, Add* | *27.11* | |
| 31 62 23 13-0031 | VLF | 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile | 121.99 | |
| | | *For Piles Driven In Water, Add* | *30.15* | |

### 31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*

| | | | | |
|---|---|---|---|---|
| 31 62 23 13-0033 | VLF | 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile | 49.19 | |
| | | *For Piles Driven In Water, Add* | *17.03* | |
| | | *For Thick Wall Shell, Add* | *0.09* | |
| 31 62 23 13-0034 | VLF | 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile | 54.28 | |
| | | *For Piles Driven In Water, Add* | *18.89* | |
| | | *For Thick Wall Shell, Add* | *0.10* | |
| 31 62 23 13-0035 | VLF | 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile | 59.31 | |
| | | *For Piles Driven In Water, Add* | *20.74* | |
| | | *For Thick Wall Shell, Add* | *0.11* | |
| 31 62 23 13-0036 | VLF | 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile | 64.40 | |
| | | *For Piles Driven In Water, Add* | *22.60* | |
| | | *For Thick Wall Shell, Add* | *0.12* | |
| 31 62 23 13-0037 | VLF | 16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile | 69.48 | |
| | | *For Piles Driven In Water, Add* | *24.45* | |
| | | *For Thick Wall Shell, Add* | *0.13* | |

## 31 63 Bored Piles *(31 60)*

### 31 63 36 Drilled Steel Piles *(31 63)*

#### 31 63 36 00-0001 Drill Hole *(31 63 36)*

Note: Excludes removal of excess material.

#### 31 63 36 00-0002 Drilling Mobilization *(31 63 36 00-0001)*

| | | | |
|---|---|---|---|
| 31 63 36 00-0003 | EA | >12" To 24" Diameter Hole, Drilling Mobilization | 996.15 |
| 31 63 36 00-0004 | EA | >24" Diameter Hole, Drilling Mobilization | 1,328.19 |

#### 31 63 36 00-0005 Drill Hole In Soil *(31 63 36 00-0001)*

| | | | |
|---|---|---|---|
| 31 63 36 00-0006 | LF | 18" Diameter, Up To 24' Depth, Drilled/Augered Hole | 57.33 |
| 31 63 36 00-0007 | LF | 20" Diameter, Up To 24' Depth, Drilled/Augered Hole | 66.66 |
| 31 63 36 00-0008 | LF | 22" Diameter, Up To 24' Depth, Drilled/Augered Hole | 78.33 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 63 36 00-0009 | LF | 24" Diameter, Up To 24' Depth, Drilled/Augered Hole | 92.33 | |
| 31 63 36 00-0010 | LF | 26" Diameter, Up To 24' Depth, Drilled/Augered Hole | 99.79 | |
| 31 63 36 00-0011 | LF | 28" Diameter, Up To 24' Depth, Drilled/Augered Hole | 109.78 | |
| 31 63 36 00-0012 | LF | 30" Diameter, Up To 24' Depth, Drilled/Augered Hole | 120.25 | |

## 31 63 36 00-0013 Steel H Piles *(31 63 36)*

## 31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles *(31 63 36 00-0013)*

Note: Includes guides, bracing and alignment.

| | | | | |
|---|---|---|---|---|
| 31 63 36 00-0015 | VLF | 8" x 8" x 36 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile | 32.29 | |
| | | *For >2,400 To 3,600, Deduct* | *-1.14* | |
| | | *For >3,600 To 4,800, Deduct* | *-2.28* | |
| | | *For >4,800 To 6,000, Deduct* | *-3.90* | |
| | | *For >6,000, Deduct* | *-5.51* | |
| 31 63 36 00-0016 | VLF | 10" x 10" x 42 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile | 36.12 | |
| | | *For >2,400 To 3,600, Deduct* | *-1.25* | |
| | | *For >3,600 To 4,800, Deduct* | *-2.51* | |
| | | *For >4,800 To 6,000, Deduct* | *-4.31* | |
| | | *For >6,000, Deduct* | *-6.12* | |
| 31 63 36 00-0017 | VLF | 10" x 10" x 57 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile | 44.02 | |
| | | *For >2,400 To 3,600, Deduct* | *-1.45* | |
| | | *For >3,600 To 4,800, Deduct* | *-2.90* | |
| | | *For >4,800 To 6,000, Deduct* | *-5.10* | |
| | | *For >6,000, Deduct* | *-7.30* | |
| 31 63 36 00-0018 | VLF | 12" x 12" x 53 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile | 42.32 | |
| | | *For >2,400 To 3,600, Deduct* | *-1.42* | |
| | | *For >3,600 To 4,800, Deduct* | *-2.84* | |
| | | *For >4,800 To 6,000, Deduct* | *-4.95* | |
| | | *For >6,000, Deduct* | *-7.07* | |
| 31 63 36 00-0019 | VLF | 12" x 12" x 63 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile | 47.59 | |
| | | *For >2,400 To 3,600, Deduct* | *-1.55* | |
| | | *For >3,600 To 4,800, Deduct* | *-3.10* | |
| | | *For >4,800 To 6,000, Deduct* | *-5.48* | |
| | | *For >6,000, Deduct* | *-7.86* | |
| 31 63 36 00-0020 | VLF | 12" x 12" x 74 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile | 54.58 | |
| | | *For >2,400 To 3,600, Deduct* | *-1.75* | |
| | | *For >3,600 To 4,800, Deduct* | *-3.51* | |
| | | *For >4,800 To 6,000, Deduct* | *-6.24* | |
| | | *For >6,000, Deduct* | *-8.97* | |
| 31 63 36 00-0021 | VLF | 12" x 12" x 84 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile | 59.85 | |
| | | *For >2,400 To 3,600, Deduct* | *-1.89* | |
| | | *For >3,600 To 4,800, Deduct* | *-3.77* | |
| | | *For >4,800 To 6,000, Deduct* | *-6.77* | |
| | | *For >6,000, Deduct* | *-9.76* | |
| 31 63 36 00-0022 | VLF | 14" x 14" x 73 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile | 54.43 | |
| | | *For >2,400 To 3,600, Deduct* | *-1.76* | |
| | | *For >3,600 To 4,800, Deduct* | *-3.52* | |
| | | *For >4,800 To 6,000, Deduct* | *-6.24* | |
| | | *For >6,000, Deduct* | *-8.96* | |
| 31 63 36 00-0023 | VLF | 14" x 14" x 89 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile | 63.39 | |
| | | *For >2,400 To 3,600, Deduct* | *-1.98* | |
| | | *For >3,600 To 4,800, Deduct* | *-3.97* | |
| | | *For >4,800 To 6,000, Deduct* | *-7.14* | |
| | | *For >6,000, Deduct* | *-10.31* | |
| 31 63 36 00-0024 | VLF | 14" x 14" x 102 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile | 71.04 | |
| | | *For >2,400 To 3,600, Deduct* | *-2.21* | |
| | | *For >3,600 To 4,800, Deduct* | *-4.42* | |
| | | *For >4,800 To 6,000, Deduct* | *-7.97* | |
| | | *For >6,000, Deduct* | *-11.52* | |
| 31 63 36 00-0025 | VLF | 14" x 14" x 117 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile | 79.46 | |
| | | *For >2,400 To 3,600, Deduct* | *-2.42* | |
| | | *For >3,600 To 4,800, Deduct* | *-4.84* | |
| | | *For >4,800 To 6,000, Deduct* | *-8.81* | |
| | | *For >6,000, Deduct* | *-12.79* | |

## 31 63 36 00-0026 Welded Steel Stud Pins *(31 63 36 00-0013)*

Note: Includes welding to steel piles.

| | | | | |
|---|---|---|---|---|
| 31 63 36 00-0027 | EA | 5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins | 14.50 | |
| | | *For >50 To 150, Deduct* | *-0.62* | |
| | | *For >150 To 250, Deduct* | *-1.30* | |
| | | *For >250 To 500, Deduct* | *-1.97* | |
| | | *For >500, Deduct* | *-2.65* | |
| 31 63 36 00-0028 | EA | 5/8" Diameter x 5" Long, Welded Steel Stud Pins | 16.58 | |
| | | *For >50 To 150, Deduct* | *-0.62* | |
| | | *For >150 To 250, Deduct* | *-1.35* | |
| | | *For >250 To 500, Deduct* | *-2.08* | |
| | | *For >500, Deduct* | *-2.80* | |
| 31 63 36 00-0029 | EA | 5/8" Diameter x 7" Long, Welded Steel Stud Pins | 18.57 | |
| | | *For >50 To 150, Deduct* | *-0.62* | |
| | | *For >150 To 250, Deduct* | *-1.40* | |
| | | *For >250 To 500, Deduct* | *-2.18* | |
| | | *For >500, Deduct* | *-2.95* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 63 36 00-0030 | EA | 3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins | 16.36 | |
| | | *For >50 To 150, Deduct* | *-0.66* | |
| | | *For >150 To 250, Deduct* | *-1.39* | |
| | | *For >250 To 500, Deduct* | *-2.13* | |
| | | *For >500, Deduct* | *-2.86* | |
| 31 63 36 00-0031 | EA | 3/4" Diameter x 5" Long, Welded Steel Stud Pins | 19.50 | |
| | | *For >50 To 150, Deduct* | *-0.66* | |
| | | *For >150 To 250, Deduct* | *-1.47* | |
| | | *For >250 To 500, Deduct* | *-2.29* | |
| | | *For >500, Deduct* | *-3.10* | |
| 31 63 36 00-0032 | EA | 3/4" Diameter x 7" Long, Welded Steel Stud Pins | 21.70 | |
| | | *For >50 To 150, Deduct* | *-0.66* | |
| | | *For >150 To 250, Deduct* | *-1.53* | |
| | | *For >250 To 500, Deduct* | *-2.40* | |
| | | *For >500, Deduct* | *-3.27* | |
| 31 63 36 00-0033 | EA | 7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins | 18.76 | |
| | | *For >50 To 150, Deduct* | *-0.68* | |
| | | *For >150 To 250, Deduct* | *-1.49* | |
| | | *For >250 To 500, Deduct* | *-2.30* | |
| | | *For >500, Deduct* | *-3.11* | |
| 31 63 36 00-0034 | EA | 7/8" Diameter x 5" Long, Welded Steel Stud Pins | 23.87 | |
| | | *For >50 To 150, Deduct* | *-0.68* | |
| | | *For >150 To 250, Deduct* | *-1.62* | |
| | | *For >250 To 500, Deduct* | *-2.56* | |
| | | *For >500, Deduct* | *-3.50* | |
| 31 63 36 00-0035 | EA | 7/8" Diameter x 7" Long, Welded Steel Stud Pins | 26.37 | |
| | | *For >50 To 150, Deduct* | *-0.68* | |
| | | *For >150 To 250, Deduct* | *-1.68* | |
| | | *For >250 To 500, Deduct* | *-2.68* | |
| | | *For >500, Deduct* | *-3.68* | |

### 31 63 36 00-0036 Concrete Fill *(31 63 36)*

See CSI section 03 37 16 00-0001 for pumping equipment.

| | | | |
|---|---|---|---|
| 31 63 36 00-0037 | VLF | 18" Diameter Hole Pumped Concrete Fill For Drilled Pile | 46.90 |
| 31 63 36 00-0038 | VLF | 20" Diameter Hole Pumped Concrete Fill For Drilled Pile | 52.10 |
| 31 63 36 00-0039 | VLF | 22" Diameter Hole Pumped Concrete Fill For Drilled Pile | 57.31 |
| 31 63 36 00-0040 | VLF | 24" Diameter Hole Pumped Concrete Fill For Drilled Pile | 62.52 |
| 31 63 36 00-0041 | VLF | 26" Diameter Hole Pumped Concrete Fill For Drilled Pile | 67.74 |
| 31 63 36 00-0042 | VLF | 28" Diameter Hole Pumped Concrete Fill For Drilled Pile | 72.94 |
| 31 63 36 00-0043 | VLF | 30" Diameter Hole Pumped Concrete Fill For Drilled Pile | 85.82 |

## 31 64 Caissons *(31 60)*

### 31 64 13 Box Caissons *(31 64)*

### 31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

### 31 64 13 00-0002 Caisson In Stable Ground *(31 64 13 00-0001)*

Note: Includes 3000 PSI concrete and reinforcing.

| | | | | |
|---|---|---|---|---|
| 31 64 13 00-0003 | VLF | 18" Diameter Caisson, No Casing Stable Ground, No Ground Water<br>Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF. | 60.26 | |
| | | *For >50' To 100' Deep, Add* | *5.83* | |
| | | *For >100' To 150' Deep, Add* | *15.07* | |
| | | *For >150' To 200' Deep, Add* | *20.09* | |
| | | *For Right Angle Drilling, Add* | *16.06* | |
| 31 64 13 00-0004 | VLF | 24" Diameter Caisson, No Casing Stable Ground, No Ground Water<br>Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF. | 75.47 | |
| | | *For >50' To 100' Deep, Add* | *7.98* | |
| | | *For >100' To 150' Deep, Add* | *18.87* | |
| | | *For >150' To 200' Deep, Add* | *26.02* | |
| | | *For Right Angle Drilling, Add* | *17.98* | |
| 31 64 13 00-0005 | VLF | 30" Diameter Caisson, No Casing Stable Ground, No Ground Water<br>Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF. | 106.52 | |
| | | *For >50' To 100' Deep, Add* | *11.76* | |
| | | *For >100' To 150' Deep, Add* | *26.63* | |
| | | *For >150' To 200' Deep, Add* | *37.33* | |
| | | *For Right Angle Drilling, Add* | *23.84* | |
| 31 64 13 00-0006 | VLF | 36" Diameter Caisson, No Casing Stable Ground, No Ground Water<br>Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF. | 140.67 | |
| | | *For >50' To 100' Deep, Add* | *16.03* | |
| | | *For >100' To 150' Deep, Add* | *35.17* | |
| | | *For >150' To 200' Deep, Add* | *49.93* | |
| | | *For Right Angle Drilling, Add* | *29.91* | |
| 31 64 13 00-0007 | VLF | 42" Diameter Caisson, No Casing Stable Ground, No Ground Water<br>Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF. | 179.70 | |
| | | *For >50' To 100' Deep, Add* | *21.22* | |
| | | *For >100' To 150' Deep, Add* | *44.93* | |
| | | *For >150' To 200' Deep, Add* | *64.71* | |
| | | *For Right Angle Drilling, Add* | *35.90* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 64 13 00-0008 | VLF | 48" Diameter Caisson No Casing Stable Ground, No Ground Water | 216.17 | |
| | | Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *26.00* | |
| | | *For >100' To 150' Deep, Add* | *54.04* | |
| | | *For >150' To 200' Deep, Add* | *78.44* | |
| | | *For Right Angle Drilling, Add* | *41.69* | |
| 31 64 13 00-0009 | VLF | 54" Diameter Caisson No Casing Stable Ground, No Ground Water | 260.23 | |
| | | Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *32.25* | |
| | | *For >100' To 150' Deep, Add* | *65.06* | |
| | | *For >150' To 200' Deep, Add* | *95.62* | |
| | | *For Right Angle Drilling, Add* | *47.21* | |
| 31 64 13 00-0010 | VLF | 60" Diameter Caisson No Casing Stable Ground, No Ground Water | 305.25 | |
| | | Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *38.65* | |
| | | *For >100' To 150' Deep, Add* | *76.31* | |
| | | *For >150' To 200' Deep, Add* | *113.18* | |
| | | *For Right Angle Drilling, Add* | *52.83* | |
| 31 64 13 00-0011 | VLF | 66" Diameter Caisson No Casing Stable Ground, No Ground Water | 356.17 | |
| | | Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *45.84* | |
| | | *For >100' To 150' Deep, Add* | *89.04* | |
| | | *For >150' To 200' Deep, Add* | *132.99* | |
| | | *For Right Angle Drilling, Add* | *59.31* | |
| 31 64 13 00-0012 | VLF | 72" Diameter Caisson No Casing Stable Ground, No Ground Water | 414.47 | |
| | | Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *54.14* | |
| | | *For >100' To 150' Deep, Add* | *103.62* | |
| | | *For >150' To 200' Deep, Add* | *155.75* | |
| | | *For Right Angle Drilling, Add* | *66.54* | |
| 31 64 13 00-0013 | VLF | 78" Diameter Caisson No Casing Stable Ground, No Ground Water | 472.60 | |
| | | Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *62.57* | |
| | | *For >100' To 150' Deep, Add* | *118.15* | |
| | | *For >150' To 200' Deep, Add* | *178.64* | |
| | | *For Right Angle Drilling, Add* | *73.25* | |
| 31 64 13 00-0014 | VLF | 84" Diameter Caisson No Casing Stable Ground, No Ground Water | 534.60 | |
| | | Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *71.62* | |
| | | *For >100' To 150' Deep, Add* | *133.65* | |
| | | *For >150' To 200' Deep, Add* | *203.13* | |
| | | *For Right Angle Drilling, Add* | *80.23* | |

## 31 64 13 00-0015 For Bell Excavation And Concrete, Add *(31 64 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 31 64 13 00-0016 | EA | Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY | 467.56 | |
| | | *For >50' To 100' Deep, Add* | *38.01* | |
| | | *For >100' To 150' Deep, Add* | *116.89* | |
| | | *For >150' To 200' Deep, Add* | *146.87* | |
| 31 64 13 00-0017 | EA | Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY | 1,643.67 | |
| | | *For >50' To 100' Deep, Add* | *133.85* | |
| | | *For >100' To 150' Deep, Add* | *410.92* | |
| | | *For >150' To 200' Deep, Add* | *516.59* | |
| 31 64 13 00-0018 | EA | Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY | 2,485.83 | |
| | | *For >50' To 100' Deep, Add* | *205.62* | |
| | | *For >100' To 150' Deep, Add* | *621.46* | |
| | | *For >150' To 200' Deep, Add* | *785.26* | |
| 31 64 13 00-0019 | EA | Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY | 3,450.53 | |
| | | *For >50' To 100' Deep, Add* | *285.97* | |
| | | *For >100' To 150' Deep, Add* | *862.63* | |
| | | *For >150' To 200' Deep, Add* | *1,090.70* | |
| 31 64 13 00-0020 | EA | Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY | 4,683.00 | |
| | | *For >50' To 100' Deep, Add* | *381.24* | |
| | | *For >100' To 150' Deep, Add* | *1,170.75* | |
| | | *For >150' To 200' Deep, Add* | *1,471.69* | |
| 31 64 13 00-0021 | EA | Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY | 5,506.54 | |
| | | *For >50' To 100' Deep, Add* | *448.09* | |
| | | *For >100' To 150' Deep, Add* | *1,376.64* | |
| | | *For >150' To 200' Deep, Add* | *1,730.25* | |
| 31 64 13 00-0022 | EA | Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY | 9,339.09 | |
| | | *For >50' To 100' Deep, Add* | *758.45* | |
| | | *For >100' To 150' Deep, Add* | *2,334.77* | |
| | | *For >150' To 200' Deep, Add* | *2,932.62* | |
| 31 64 13 00-0023 | EA | Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY | 13,502.33 | |
| | | *For >50' To 100' Deep, Add* | *1,107.62* | |
| | | *For >100' To 150' Deep, Add* | *3,375.58* | |
| | | *For >150' To 200' Deep, Add* | *4,253.77* | |

## 31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

## 31 64 13 00-0025 Caisson In Wet Ground *(31 64 13 00-0024)*

Note: Includes 3000 PSI concrete and reinforcing.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 64 13 00-0026 | VLF | 18" Diameter Caisson Wet Ground, Casing Pulled | 66.75 | |
| | | Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *6.27* | |
| | | *For >100' To 150' Deep, Add* | *16.69* | |
| | | *For >150' To 200' Deep, Add* | *22.03* | |
| | | *For Right Angle Drilling, Add* | *18.36* | |
| 31 64 13 00-0027 | VLF | 24" Diameter Caisson Wet Ground, Casing Pulled | 111.67 | |
| | | Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *10.52* | |
| | | *For >100' To 150' Deep, Add* | *27.92* | |
| | | *For >150' To 200' Deep, Add* | *36.88* | |
| | | *For Right Angle Drilling, Add* | *30.65* | |
| 31 64 13 00-0028 | VLF | 30" Diameter Caisson Wet Ground, Casing Pulled | 147.26 | |
| | | Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *14.61* | |
| | | *For >100' To 150' Deep, Add* | *36.82* | |
| | | *For >150' To 200' Deep, Add* | *49.55* | |
| | | *For Right Angle Drilling, Add* | *38.10* | |
| 31 64 13 00-0029 | VLF | 36" Diameter Caisson Wet Ground, Casing Pulled | 201.96 | |
| | | Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *20.32* | |
| | | *For >100' To 150' Deep, Add* | *50.49* | |
| | | *For >150' To 200' Deep, Add* | *68.32* | |
| | | *For Right Angle Drilling, Add* | *51.36* | |
| 31 64 13 00-0030 | VLF | 42" Diameter Caisson Wet Ground, Casing Pulled | 255.34 | |
| | | Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *26.51* | |
| | | *For >100' To 150' Deep, Add* | *63.84* | |
| | | *For >150' To 200' Deep, Add* | *87.40* | |
| | | *For Right Angle Drilling, Add* | *62.37* | |
| 31 64 13 00-0031 | VLF | 48" Diameter Caisson Wet Ground, Casing Pulled | 305.87 | |
| | | Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *32.28* | |
| | | *For >100' To 150' Deep, Add* | *76.47* | |
| | | *For >150' To 200' Deep, Add* | *105.35* | |
| | | *For Right Angle Drilling, Add* | *73.09* | |
| 31 64 13 00-0032 | VLF | 54" Diameter Caisson Wet Ground, Casing Pulled | 394.63 | |
| | | Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *41.66* | |
| | | *For >100' To 150' Deep, Add* | *98.66* | |
| | | *For >150' To 200' Deep, Add* | *135.94* | |
| | | *For Right Angle Drilling, Add* | *94.25* | |
| 31 64 13 00-0033 | VLF | 60" Diameter Caisson Wet Ground, Casing Pulled | 483.18 | |
| | | Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *51.11* | |
| | | *For >100' To 150' Deep, Add* | *120.80* | |
| | | *For >150' To 200' Deep, Add* | *166.56* | |
| | | *For Right Angle Drilling, Add* | *115.11* | |
| 31 64 13 00-0034 | VLF | 66" Diameter Caisson Wet Ground, Casing Pulled | 550.82 | |
| | | Note: 0.87 CY Concrete per VLF, 113 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *59.47* | |
| | | *For >100' To 150' Deep, Add* | *137.71* | |
| | | *For >150' To 200' Deep, Add* | *191.39* | |
| | | *For Right Angle Drilling, Add* | *127.44* | |
| 31 64 13 00-0035 | VLF | 72" Diameter Caisson Wet Ground, Casing Pulled | 625.77 | |
| | | Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *68.93* | |
| | | *For >100' To 150' Deep, Add* | *156.44* | |
| | | *For >150' To 200' Deep, Add* | *219.14* | |
| | | *For Right Angle Drilling, Add* | *140.50* | |
| 31 64 13 00-0036 | VLF | 78" Diameter Caisson Wet Ground, Casing Pulled | 711.49 | |
| | | Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *79.30* | |
| | | *For >100' To 150' Deep, Add* | *177.87* | |
| | | *For >150' To 200' Deep, Add* | *250.31* | |
| | | *For Right Angle Drilling, Add* | *156.86* | |
| 31 64 13 00-0037 | VLF | 84" Diameter Caisson Wet Ground, Casing Pulled | 801.55 | |
| | | Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF. | | |
| | | *For >50' To 100' Deep, Add* | *90.31* | |
| | | *For >100' To 150' Deep, Add* | *200.39* | |
| | | *For >150' To 200' Deep, Add* | *283.22* | |
| | | *For Right Angle Drilling, Add* | *173.66* | |

## 31 64 13 00-0038 For Bell Excavation And Concrete, Add *(31 64 13 00-0024)*

| | | | | |
|---|---|---|---|---|
| 31 64 13 00-0039 | EA | Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY | 538.30 | |
| | | *For >50' To 100' Deep, Add* | *42.97* | |
| | | *For >100' To 150' Deep, Add* | *134.58* | |
| | | *For >150' To 200' Deep, Add* | *168.10* | |
| 31 64 13 00-0040 | EA | Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY | 1,875.29 | |
| | | *For >50' To 100' Deep, Add* | *150.06* | |
| | | *For >100' To 150' Deep, Add* | *468.82* | |
| | | *For >150' To 200' Deep, Add* | *586.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 64 13 00-0041 | EA | Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY | 2,578.90 | |
| | | *For >50' To 100' Deep, Add* | *192.56* | |
| | | *For >100' To 150' Deep, Add* | *644.73* | |
| | | *For >150' To 200' Deep, Add* | *788.72* | |
| 31 64 13 00-0042 | EA | Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY | 4,119.56 | |
| | | *For >50' To 100' Deep, Add* | *332.80* | |
| | | *For >100' To 150' Deep, Add* | *1,029.89* | |
| | | *For >150' To 200' Deep, Add* | *1,291.41* | |
| 31 64 13 00-0043 | EA | Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY | 5,343.14 | |
| | | *For >50' To 100' Deep, Add* | *427.45* | |
| | | *For >100' To 150' Deep, Add* | *1,335.79* | |
| | | *For >150' To 200' Deep, Add* | *1,669.73* | |
| 31 64 13 00-0044 | EA | Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY | 6,283.16 | |
| | | *For >50' To 100' Deep, Add* | *502.45* | |
| | | *For >100' To 150' Deep, Add* | *1,570.79* | |
| | | *For >150' To 200' Deep, Add* | *1,963.24* | |
| 31 64 13 00-0045 | EA | Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY | 10,659.34 | |
| | | *For >50' To 100' Deep, Add* | *850.87* | |
| | | *For >100' To 150' Deep, Add* | *2,664.84* | |
| | | *For >150' To 200' Deep, Add* | *3,328.69* | |
| 31 64 13 00-0046 | EA | Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY | 15,388.42 | |
| | | *For >50' To 100' Deep, Add* | *1,239.64* | |
| | | *For >100' To 150' Deep, Add* | *3,847.11* | |
| | | *For >150' To 200' Deep, Add* | *4,819.59* | |

### 31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

### 31 64 13 00-0048 Caisson In Soft Rock *(31 64 13 00-0047)*

Note: Includes 3000 PSI concrete and reinforcing.

| | | | | |
|---|---|---|---|---|
| 31 64 13 00-0049 | VLF | 18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water<br>Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF. | 259.76 | |
| | | *For >50' To 100' Deep, Add* | *19.78* | |
| | | *For >100' To 150' Deep, Add* | *64.94* | |
| | | *For >150' To 200' Deep, Add* | *79.93* | |
| | | *For Right Angle Drilling, Add* | *85.92* | |
| 31 64 13 00-0050 | VLF | 24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water<br>Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF. | 433.39 | |
| | | *For >50' To 100' Deep, Add* | *33.04* | |
| | | *For >100' To 150' Deep, Add* | *108.35* | |
| | | *For >150' To 200' Deep, Add* | *133.39* | |
| | | *For Right Angle Drilling, Add* | *143.25* | |
| 31 64 13 00-0051 | VLF | 30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water<br>Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF. | 653.14 | |
| | | *For >50' To 100' Deep, Add* | *50.02* | |
| | | *For >100' To 150' Deep, Add* | *163.29* | |
| | | *For >150' To 200' Deep, Add* | *201.32* | |
| | | *For Right Angle Drilling, Add* | *215.16* | |
| 31 64 13 00-0052 | VLF | 36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water<br>Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF. | 834.42 | |
| | | *For >50' To 100' Deep, Add* | *64.59* | |
| | | *For >100' To 150' Deep, Add* | *208.61* | |
| | | *For >150' To 200' Deep, Add* | *258.06* | |
| | | *For Right Angle Drilling, Add* | *272.72* | |
| 31 64 13 00-0053 | VLF | 42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water<br>Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF. | 1,072.26 | |
| | | *For >50' To 100' Deep, Add* | *83.70* | |
| | | *For >100' To 150' Deep, Add* | *268.07* | |
| | | *For >150' To 200' Deep, Add* | *332.48* | |
| | | *For Right Angle Drilling, Add* | *348.29* | |
| 31 64 13 00-0054 | VLF | 48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water<br>Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF. | 1,292.98 | |
| | | *For >50' To 100' Deep, Add* | *101.38* | |
| | | *For >100' To 150' Deep, Add* | *323.25* | |
| | | *For >150' To 200' Deep, Add* | *401.48* | |
| | | *For Right Angle Drilling, Add* | *418.58* | |
| 31 64 13 00-0055 | VLF | 54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water<br>Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF. | 1,580.96 | |
| | | *For >50' To 100' Deep, Add* | *124.71* | |
| | | *For >100' To 150' Deep, Add* | *395.24* | |
| | | *For >150' To 200' Deep, Add* | *491.84* | |
| | | *For Right Angle Drilling, Add* | *509.47* | |
| 31 64 13 00-0056 | VLF | 60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water<br>Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF. | 1,869.01 | |
| | | *For >50' To 100' Deep, Add* | *148.11* | |
| | | *For >100' To 150' Deep, Add* | *467.25* | |
| | | *For >150' To 200' Deep, Add* | *582.31* | |
| | | *For Right Angle Drilling, Add* | *600.15* | |
| 31 64 13 00-0057 | VLF | 66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water<br>Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF. | 2,052.60 | |
| | | *For >50' To 100' Deep, Add* | *164.59* | |
| | | *For >100' To 150' Deep, Add* | *513.15* | |
| | | *For >150' To 200' Deep, Add* | *641.92* | |
| | | *For Right Angle Drilling, Add* | *653.06* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 31 64 13 00-0058 | VLF | 72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water<br>Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF. | 2,242.62 | |
| | | *For >50' To 100' Deep, Add* | *182.11* | |
| | | *For >100' To 150' Deep, Add* | *560.66* | |
| | | *For >150' To 200' Deep, Add* | *704.20* | |
| | | *For Right Angle Drilling, Add* | *706.39* | |
| 31 64 13 00-0059 | VLF | 78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water<br>Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF. | 2,297.17 | |
| | | *For >50' To 100' Deep, Add* | *190.29* | |
| | | *For >100' To 150' Deep, Add* | *574.29* | |
| | | *For >150' To 200' Deep, Add* | *726.02* | |
| | | *For Right Angle Drilling, Add* | *711.85* | |
| 31 64 13 00-0060 | VLF | 84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water<br>Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF. | 2,743.22 | |
| | | *For >50' To 100' Deep, Add* | *226.23* | |
| | | *For >100' To 150' Deep, Add* | *685.81* | |
| | | *For >150' To 200' Deep, Add* | *865.72* | |
| | | *For Right Angle Drilling, Add* | *853.24* | |

### 31 64 13 00-0061 For Bell Excavation And Concrete, Add *(31 64 13 00-0047)*

| | | | | |
|---|---|---|---|---|
| 31 64 13 00-0062 | EA | Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY | 923.90 | |
| | | *For >50' To 100' Deep, Add* | *69.96* | |
| | | *For >100' To 150' Deep, Add* | *230.98* | |
| | | *For >150' To 200' Deep, Add* | *283.78* | |
| 31 64 13 00-0063 | EA | Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY | 3,251.13 | |
| | | *For >50' To 100' Deep, Add* | *246.37* | |
| | | *For >100' To 150' Deep, Add* | *812.78* | |
| | | *For >150' To 200' Deep, Add* | *998.83* | |
| 31 64 13 00-0064 | EA | Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY | 4,871.49 | |
| | | *For >50' To 100' Deep, Add* | *372.61* | |
| | | *For >100' To 150' Deep, Add* | *1,217.87* | |
| | | *For >150' To 200' Deep, Add* | *1,500.96* | |
| 31 64 13 00-0065 | EA | Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY | 6,935.94 | |
| | | *For >50' To 100' Deep, Add* | *529.95* | |
| | | *For >100' To 150' Deep, Add* | *1,733.99* | |
| | | *For >150' To 200' Deep, Add* | *2,136.32* | |
| 31 64 13 00-0066 | EA | Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY | 9,168.30 | |
| | | *For >50' To 100' Deep, Add* | *695.21* | |
| | | *For >100' To 150' Deep, Add* | *2,292.08* | |
| | | *For >150' To 200' Deep, Add* | *2,817.28* | |
| 31 64 13 00-0067 | EA | Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY | 11,172.27 | |
| | | *For >50' To 100' Deep, Add* | *844.69* | |
| | | *For >100' To 150' Deep, Add* | *2,793.07* | |
| | | *For >150' To 200' Deep, Add* | *3,429.97* | |
| 31 64 13 00-0068 | EA | Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY | 16,892.96 | |
| | | *For >50' To 100' Deep, Add* | *1,287.22* | |
| | | *For >100' To 150' Deep, Add* | *4,223.24* | |
| | | *For >150' To 200' Deep, Add* | *5,198.78* | |
| 31 64 13 00-0069 | EA | Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY | 25,406.73 | |
| | | *For >50' To 100' Deep, Add* | *1,940.92* | |
| | | *For >100' To 150' Deep, Add* | *6,351.68* | |
| | | *For >150' To 200' Deep, Add* | *7,825.09* | |

### 31 64 13 00-0070 Caisson Setup And Removal *(31 64 13)*

Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.

| | | | |
|---|---|---|---|
| 31 64 13 00-0071 | EA | Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete | 3,813.68 |
| 31 64 13 00-0072 | EA | Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete | 5,383.71 |
| 31 64 13 00-0073 | EA | Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter | 1,794.79 |
| 31 64 13 00-0074 | EA | Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter | 2,393.06 |
| 31 64 13 00-0075 | EA | Relocate Caisson Equipment To Different Hole On-Site Without Dismantling | 149.57 |

## 31 66 Special Foundation *(31 60)*

### 31 66 15 Helical Foundation Piles *(31 66)*

### 31 66 15 00-0001 Helical Pier Restoration (Atlas) *(31 66 15)*

| | | | |
|---|---|---|---|
| 31 66 15 00-0002 | EA | Structural Steel Piers (Atlas Pier System Or Equal)<br>Note: Includes heavy-duty bracket, pier platform, and 14' of 3.5" diameter pier sections, non-corrosive coating, hydraulic lifting, fasteners, and other related activities and materials. Excludes excavation and core drilling | 4,313.63 |
| 31 66 15 00-0003 | EA | Pressure Injecting Grout For Slab Repairs, Per Location<br>Note: Includes preparation, installing and removing grout injection pipes, and finishing. Excludes grout and core drilling. | 469.19 |
| 31 66 15 00-0004 | CY | Pressure Injected Non-Shrink Grout | 480.19 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

**END OF SECTION 31**


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 32 Exterior Improvements

## 32 01 Operation and Maintenance of Exterior Improvements *(32)*

### 32 01 11 Paving Cleaning *(32 01)*

#### 32 01 11 53 Paint Removal from Paving *(32 01 11)*

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings *(32 01 11 53)*

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

| | | | | |
|---|---|---|---|---|
| 32 01 11 53-0002 | LF | Removal Of 4" Wide Painted Or Epoxy Pavement Striping | 2.47 | |
| | | *For Up To 250, Add* | *1.24* | |
| | | *For >250 To 1,000, Add* | *0.62* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.37* | |
| | | *For >10,000 To 25,000, Deduct* | *-0.62* | |
| | | *For >25,000 To 50,000, Deduct* | *-0.86* | |
| | | *For >50,000, Deduct* | *-0.99* | |
| 32 01 11 53-0003 | LF | Removal Of 6" Wide Painted Or Epoxy Pavement Striping | 2.97 | |
| | | *For Up To 250, Add* | *1.49* | |
| | | *For >250 To 1,000, Add* | *0.74* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.45* | |
| | | *For >10,000 To 25,000, Deduct* | *-0.74* | |
| | | *For >25,000 To 50,000, Deduct* | *-1.04* | |
| | | *For >50,000, Deduct* | *-1.19* | |
| 32 01 11 53-0004 | LF | Removal Of 8" Wide Painted Or Epoxy Pavement Striping | 3.57 | |
| | | *For Up To 250, Add* | *1.79* | |
| | | *For >250 To 1,000, Add* | *0.89* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.54* | |
| | | *For >10,000 To 25,000, Deduct* | *-0.89* | |
| | | *For >25,000 To 50,000, Deduct* | *-1.25* | |
| | | *For >50,000, Deduct* | *-1.43* | |
| 32 01 11 53-0005 | LF | Removal Of 12" Wide Painted Or Epoxy Pavement Striping | 4.26 | |
| | | *For Up To 250, Add* | *2.13* | |
| | | *For >250 To 1,000, Add* | *1.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.64* | |
| | | *For >10,000 To 25,000, Deduct* | *-1.07* | |
| | | *For >25,000 To 50,000, Deduct* | *-1.49* | |
| | | *For >50,000, Deduct* | *-1.70* | |
| 32 01 11 53-0006 | LF | Remove Paint From Curb | 7.93 | |
| 32 01 11 53-0007 | SF | Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols | 4.26 | |
| | | *For Up To 250, Add* | *2.13* | |
| | | *For >250 To 1,000, Add* | *1.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.64* | |
| | | *For >10,000 To 25,000, Deduct* | *-1.07* | |
| | | *For >25,000 To 50,000, Deduct* | *-1.49* | |
| | | *For >50,000, Deduct* | *-1.70* | |
| 32 01 11 53-0008 | LF | Removal Of 4" Wide Thermoplastic Pavement Striping | 3.19 | |
| | | *For Up To 250, Add* | *1.60* | |
| | | *For >250 To 1,000, Add* | *0.80* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.48* | |
| | | *For >10,000 To 25,000, Deduct* | *-0.80* | |
| | | *For >25,000 To 50,000, Deduct* | *-1.12* | |
| | | *For >50,000, Deduct* | *-1.28* | |
| 32 01 11 53-0009 | LF | Removal Of 6" Wide Thermoplastic Pavement Striping | 3.75 | |
| | | *For Up To 250, Add* | *1.88* | |
| | | *For >250 To 1,000, Add* | *0.94* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.56* | |
| | | *For >10,000 To 25,000, Deduct* | *-0.94* | |
| | | *For >25,000 To 50,000, Deduct* | *-1.31* | |
| | | *For >50,000, Deduct* | *-1.50* | |
| 32 01 11 53-0010 | LF | Removal Of 8" Wide Thermoplastic Pavement Striping | 4.54 | |
| | | *For Up To 250, Add* | *2.27* | |
| | | *For >250 To 1,000, Add* | *1.14* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.68* | |
| | | *For >10,000 To 25,000, Deduct* | *-1.14* | |
| | | *For >25,000 To 50,000, Deduct* | *-1.59* | |
| | | *For >50,000, Deduct* | *-1.82* | |
| 32 01 11 53-0011 | LF | Removal Of 12" Wide Thermoplastic Pavement Striping | 5.43 | |
| | | *For Up To 250, Add* | *2.72* | |
| | | *For >250 To 1,000, Add* | *1.36* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.81* | |
| | | *For >10,000 To 25,000, Deduct* | *-1.36* | |
| | | *For >25,000 To 50,000, Deduct* | *-1.90* | |
| | | *For >50,000, Deduct* | *-2.17* | |
| 32 01 11 53-0012 | SF | Removal Of Thermoplastic Pavement Marking, Letters Or Symbols | 5.43 | |
| | | *For Up To 250, Add* | *2.72* | |
| | | *For >250 To 1,000, Add* | *1.36* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.81* | |
| | | *For >10,000 To 25,000, Deduct* | *-1.36* | |
| | | *For >25,000 To 50,000, Deduct* | *-1.90* | |
| | | *For >50,000, Deduct* | *-2.17* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 32 01 13 Flexible Paving Surface Treatment *(32 01)*

## 32 01 13 61 Slurry Seal (Latex Modified) *(32 01 13)*

### 32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot *(32 01 13 61)*

Note: Includes sweeping and cleaning of area.

| | | | |
|---|---|---|---|
| 32 01 13 61-0002 | EA | Asphalt Seal Coating Minimum Charge<br>Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 910.89 |
| 32 01 13 61-0003 | SY | Up To 500 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat | 3.39 |
| 32 01 13 61-0004 | SY | >500 To 1,000 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat | 3.13 |
| 32 01 13 61-0005 | SY | >1,000 SY, Type O Asphalt Seal Coating, No Aggregate. Per Coat | 2.93 |
| 32 01 13 61-0006 | SY | Up To 500 SY, Type I Slurry Seal Asphalt Coating, Per Coat<br>Note: 1/8" thick. | 3.61 |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.31* |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.37* |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.47* |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.32* |
| 32 01 13 61-0007 | SY | >500 To 1,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat<br>Note: 1/8" thick. | 3.42 |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.30* |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.36* |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.46* |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.32* |
| 32 01 13 61-0008 | SY | >1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat<br>Note: 1/8" thick. | 3.26 |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.29* |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.35* |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.45* |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.32* |
| 32 01 13 61-0009 | SY | >5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat<br>Note: 1/8" thick. | 3.11 |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.28* |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.34* |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.44* |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.32* |
| 32 01 13 61-0010 | SY | >20,000 To 50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat<br>Note: 1/8" thick. | 3.11 |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.28* |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.34* |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.44* |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.32* |
| 32 01 13 61-0011 | SY | >50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat<br>Note: 1/8" thick. | 2.86 |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.27* |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.33* |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.43* |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.32* |
| 32 01 13 61-0012 | SY | Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat<br>Note: 1/4" thick, 14 to 18 Lb/SY. | 4.90 |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.33* |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.39* |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.49* |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.47* |
| 32 01 13 61-0013 | SY | >500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat<br>Note: 1/4" thick, 14 to 18 Lb/SY. | 4.58 |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.32* |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.38* |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.48* |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.47* |
| 32 01 13 61-0014 | SY | >1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat<br>Note: 1/4" thick, 14 to 18 Lb/SY. | 4.34 |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.30* |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.36* |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.46* |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.47* |
| 32 01 13 61-0015 | SY | >5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat<br>Note: 1/4" thick, 14 to 18 Lb/SY. | 4.12 |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.29* |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.35* |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.45* |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.47* |
| 32 01 13 61-0016 | SY | >20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat<br>Note: 1/4" thick, 14 to 18 Lb/SY. | 3.91 |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.28* |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.34* |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.44* |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.47* |
| 32 01 13 61-0017 | SY | >50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat<br>Note: 1/4" thick, 14 to 18 Lb/SY. | 3.72 |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.27* |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.33* |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.43* |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.47* |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 01 13 61-0018 | SY | Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat<br>Note: 3/8" thick, 25 to 30 Lb/SY. | 6.18 | |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.34* | |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.40* | |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.50* | |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.76* | |
| 32 01 13 61-0019 | SY | >500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat<br>Note: 3/8" thick, 25 to 30 Lb/SY. | 5.84 | |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.32* | |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.38* | |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.48* | |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.76* | |
| 32 01 13 61-0020 | SY | >1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat<br>Note: 3/8" thick, 25 to 30 Lb/SY. | 5.59 | |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.31* | |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.37* | |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.47* | |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.76* | |
| 32 01 13 61-0021 | SY | >5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat<br>Note: 3/8" thick, 25 to 30 Lb/SY. | 5.35 | |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.30* | |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.36* | |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.46* | |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.76* | |
| 32 01 13 61-0022 | SY | >20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat<br>Note: 3/8" thick, 25 to 30 Lb/SY. | 5.13 | |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.29* | |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.35* | |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.45* | |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.76* | |
| 32 01 13 61-0023 | SY | >50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat<br>Note: 3/8" thick, 25 to 30 Lb/SY. | 4.93 | |
| | | *For Tire Rubber Modified Slurry Seal (TRMSS), Add* | *0.28* | |
| | | *For Rubberized Emulsion Aggregate Slurry (REAS), Add* | *0.34* | |
| | | *For Rubberized Polymer Modified Emulsion (RPME), Add* | *0.44* | |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.76* | |

### 32 01 13 62 Asphalt Surface Treatment *(32 01 13)*

32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) *(32 01 13 62)*
Note: Use a blend of emulsified quickset polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.

| | | | |
|---|---|---|---|
| 32 01 13 62-0002 | SY | Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) | 11.12 |
| 32 01 13 62-0003 | SY | Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) | 10.60 |
| 32 01 13 62-0004 | SY | >500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) | 10.15 |
| 32 01 13 62-0005 | SY | >1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) | 9.76 |
| 32 01 13 62-0006 | SY | >5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) | 9.41 |
| 32 01 13 62-0007 | SY | >10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) | 9.11 |
| 32 01 13 62-0008 | SY | >20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) | 8.89 |
| 32 01 13 62-0009 | SY | >50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) | 8.77 |

## 32 01 16 Flexible Paving Rehabilitation *(32 01)*

### 32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*
Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas *(32 01 16 71-0001)*
Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0041 for hauling.

| | | | |
|---|---|---|---|
| 32 01 16 71-0003 | SY | Up To 3" Depth, Production Cold Milling Of Asphalt | 4.51 |
| | | *For Up To 2,500, Add* | *3.38* |
| | | *For >2,500 To 5,000, Add* | *1.13* |
| | | *For >10,000 To 25,000, Deduct* | *-0.79* |
| | | *For >25,000, Deduct* | *-1.13* |
| 32 01 16 71-0004 | SY | >3" To 6" Depth, Production Cold Milling Of Asphalt | 5.69 |
| | | *For Up To 2,500, Add* | *4.27* |
| | | *For >2,500 To 5,000, Add* | *1.42* |
| | | *For >10,000 To 25,000, Deduct* | *-1.00* |
| | | *For >25,000, Deduct* | *-1.42* |
| 32 01 16 71-0005 | SY | >6" To 12" Depth, Production Cold Milling Of Asphalt | 7.58 |
| | | *For Up To 2,500, Add* | *5.69* |
| | | *For >2,500 To 5,000, Add* | *1.90* |
| | | *For >10,000 To 25,000, Deduct* | *-1.33* |
| | | *For >25,000, Deduct* | *-1.90* |

32 01 16 71-0006 Limited Production Cold Milling *(32 01 16 71-0001)*
Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0041 for hauling.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 01 16 71-0007 | SY | Up To 3" Depth, Limited Cold Milling Of Asphalt | 29.99 | |
| | | *For >100 To 1,000, Deduct* | *-15.00* | |
| | | *For >1,000, Deduct* | *-22.49* | |
| 32 01 16 71-0008 | SY | >3" To 6" Depth, Limited Cold Milling Of Asphalt | 39.72 | |
| | | *For >100 To 1,000, Deduct* | *-19.86* | |
| | | *For >1,000, Deduct* | *-29.79* | |
| 32 01 16 71-0009 | SY | >6" To 12" Depth, Limited Cold Milling Of Asphalt | 52.91 | |
| | | *For >100 To 1,000, Deduct* | *-26.46* | |
| | | *For >1,000, Deduct* | *-39.68* | |

### 32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)*

Note: For use as subbase material, includes spreading and rolling.

| | | | | |
|---|---|---|---|---|
| 32 01 16 71-0011 | SY | Grind, Leave In-Place As Subbase Course, 6-9" Depth | 8.06 | |

## 32 01 16 74 In Place Hot Reused Asphalt Paving *(32 01 16)*

### 32 01 16 74-0001 Rejuvenate And Respread Asphalt Pavement *(32 01 16 74)*

Note: Includes direct loading into truck.

| | | | | |
|---|---|---|---|---|
| 32 01 16 74-0002 | SY | Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep | 11.42 | |
| 32 01 16 74-0003 | SY | Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar | 13.81 | |
| 32 01 16 74-0004 | TON | Removal, Rejuvenation, And Respreading Of Asphalt Grindings | 205.04 | |

### 32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing *(32 01 16 74)*

Note: Includes direct loading into truck.

| | | | | |
|---|---|---|---|---|
| 32 01 16 74-0006 | SY | Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 16.16 | |
| 32 01 16 74-0007 | SY | Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 8.08 | |
| 32 01 16 74-0008 | SY | Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 4.04 | |
| 32 01 16 74-0009 | SY | Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 3.83 | |
| 32 01 16 74-0010 | SY | >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 4.41 | |
| 32 01 16 74-0011 | SY | >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 17.63 | |
| 32 01 16 74-0012 | SY | >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 8.81 | |
| 32 01 16 74-0013 | SY | >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 4.15 | |
| 32 01 16 74-0014 | SY | >3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 19.39 | |
| 32 01 16 74-0015 | SY | >3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 9.69 | |
| 32 01 16 74-0016 | SY | >3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 4.85 | |
| 32 01 16 74-0017 | SY | >3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 4.47 | |
| 32 01 16 74-0018 | SY | >4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 21.16 | |
| 32 01 16 74-0019 | SY | >4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 10.58 | |
| 32 01 16 74-0020 | SY | >4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 5.28 | |
| 32 01 16 74-0021 | SY | >4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base | 4.93 | |
| 32 01 16 74-0022 | EA | Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew | 1,817.98 | |

# 32 01 17 Flexible Paving Repair *(32 01)*

See CSI section 32 12 16 00-0000 for large area resurfacing.

## 32 01 17 61 Sealing Cracks in Asphalt Paving *(32 01 17)*

Note: Includes removing loose materials and cleaning.

### 32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair *(32 01 17 61)*

Note: Includes removing loose materials and cleaning.

| | | | | |
|---|---|---|---|---|
| 32 01 17 61-0002 | LF | Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler<br>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack. | 1.88 | |
| | | *For 3/4" x 1/2" Fill, Add* | *0.55* | |
| | | *For 1" x 1/2" Fill, Add* | *1.05* | |
| | | *For Backer Rod, Add* | *1.17* | |
| 32 01 17 61-0003 | LF | >200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler<br>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack. | 1.53 | |
| | | *For 3/4" x 1/2" Fill, Add* | *0.46* | |
| | | *For 1" x 1/2" Fill, Add* | *0.87* | |
| | | *For Backer Rod, Add* | *1.05* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 01 17 61-0004 | LF | >500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler<br>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack. | 1.23 | |
| | | *For 3/4" x 1/2" Fill, Add* | *0.37* | |
| | | *For 1" x 1/2" Fill, Add* | *0.71* | |
| | | *For Backer Rod, Add* | *0.94* | |
| 32 01 17 61-0005 | LF | >2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler<br>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack. | 1.07 | |
| | | *For 3/4" x 1/2" Fill, Add* | *0.33* | |
| | | *For 1" x 1/2" Fill, Add* | *0.63* | |
| | | *For Backer Rod, Add* | *0.88* | |
| 32 01 17 61-0006 | LF | >5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler<br>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack. | 0.94 | |
| | | *For 3/4" x 1/2" Fill, Add* | *0.29* | |
| | | *For 1" x 1/2" Fill, Add* | *0.55* | |
| | | *For Backer Rod, Add* | *0.82* | |
| 32 01 17 61-0007 | LF | >10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler<br>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack. | 0.87 | |
| | | *For 3/4" x 1/2" Fill, Add* | *0.26* | |
| | | *For 1" x 1/2" Fill, Add* | *0.50* | |
| | | *For Backer Rod, Add* | *0.78* | |
| 32 01 17 61-0008 | LF | Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler | 3.52 | |
| | | *For 3/8" x 1/4" Fill, Add* | *0.82* | |
| | | *For 1/2" x 1/4" Fill, Add* | *1.50* | |
| | | *For 1/2" x 1/2" Fill, Add* | *3.57* | |
| 32 01 17 61-0009 | LF | >200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler | 2.84 | |
| | | *For 3/8" x 1/4" Fill, Add* | *0.67* | |
| | | *For 1/2" x 1/4" Fill, Add* | *1.24* | |
| | | *For 1/2" x 1/2" Fill, Add* | *2.98* | |
| 32 01 17 61-0010 | LF | >500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler | 2.20 | |
| | | *For 3/8" x 1/4" Fill, Add* | *0.53* | |
| | | *For 1/2" x 1/4" Fill, Add* | *0.99* | |
| | | *For 1/2" x 1/2" Fill, Add* | *2.39* | |
| 32 01 17 61-0011 | LF | >2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler | 1.93 | |
| | | *For 3/8" x 1/4" Fill, Add* | *0.47* | |
| | | *For 1/2" x 1/4" Fill, Add* | *0.87* | |
| | | *For 1/2" x 1/2" Fill, Add* | *2.12* | |
| 32 01 17 61-0012 | LF | >5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler | 1.74 | |
| | | *For 3/8" x 1/4" Fill, Add* | *0.42* | |
| | | *For 1/2" x 1/4" Fill, Add* | *0.78* | |
| | | *For 1/2" x 1/2" Fill, Add* | *1.89* | |
| 32 01 17 61-0013 | LF | >10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler | 1.62 | |
| | | *For 3/8" x 1/4" Fill, Add* | *0.39* | |
| | | *For 1/2" x 1/4" Fill, Add* | *0.72* | |
| | | *For 1/2" x 1/2" Fill, Add* | *1.74* | |
| 32 01 17 61-0014 | LF | For Routing And Cleaning Of Crack, Add Per 1/2" Depth | 0.59 | |
| 32 01 17 61-0015 | LF | Crack Fill Backer Material, Up To 1" Diameter, As Required | 1.93 | |

## 32 01 17 63 Flexible Pavement Repair *(32 01 17)*

### 32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

| | | | |
|---|---|---|---|
| 32 01 17 63-0002 | EA | Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons | 1,856.00 |
| 32 01 17 63-0003 | TON | Temporary Pot Hole Repairs With Cold Mix Modified<br>Note: Use for each ton over 3 tons. | 561.62 |
| 32 01 17 63-0004 | EA | Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons | 1,772.32 |
| 32 01 17 63-0005 | TON | Temporary Pot Hole Repairs With Cold Mix<br>Note: Use for each ton over 3 tons. | 533.73 |
| 32 01 17 63-0006 | EA | Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons | 1,730.49 |
| 32 01 17 63-0007 | TON | Temporary Pot Hole Repairs With Hot Mix Modified<br>Note: Use for each ton over 3 tons. | 519.78 |
| 32 01 17 63-0008 | EA | Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons | 1,688.65 |
| 32 01 17 63-0009 | TON | Temporary Pot Hole Repairs With Hot Mix<br>Note: Use for each ton over 3 tons. | 505.84 |

### 32 01 17 63-0010 Permanent Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

| | | | |
|---|---|---|---|
| 32 01 17 63-0011 | EA | Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons | 1,986.26 |
| 32 01 17 63-0012 | TON | Permanent Pot Hole Repairs With Cold Mix<br>Note: Use for each ton over 3 tons. | 645.68 |
| 32 01 17 63-0013 | EA | Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons | 1,944.43 |
| 32 01 17 63-0014 | TON | Permanent Pot Hole Repairs With Hot Mix Modified<br>Note: Use for each ton over 3 tons. | 631.73 |
| 32 01 17 63-0015 | EA | Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons | 1,902.59 |
| 32 01 17 63-0016 | TON | Permanent Pot Hole Repairs With Hot Mix<br>Note: Use for each ton over 3 tons. | 617.79 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 01 17 63-0017 | | **Asphalt Placement For Small Repairs** *(32 01 17 63)*<br>Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0059 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons. | | |
| 32 01 17 63-0018 | EA | Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons<br>Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. | 2,592.28 | |
| 32 01 17 63-0019 | TON | Asphalt Placement For Small Repair Areas, Cold Mix Modified<br>Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. | 360.47 | |
| 32 01 17 63-0020 | EA | Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons<br>Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. | 2,508.60 | |
| 32 01 17 63-0021 | TON | Asphalt Placement For Small Repair Areas, Cold Mix<br>Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. | 332.58 | |
| 32 01 17 63-0022 | EA | Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons<br>Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. | 2,466.77 | |
| 32 01 17 63-0023 | TON | Asphalt Placement For Small Repair Areas, Hot Mix Modified<br>Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. | 318.63 | |
| 32 01 17 63-0024 | EA | Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons<br>Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. | 2,424.93 | |
| 32 01 17 63-0025 | TON | Asphalt Placement For Small Repair Areas, Hot Mix<br>Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. | 304.69 | |
| 32 01 17 63-0026 | | **Grind Asphalt** *(32 01 17 63)* | | |
| 32 01 17 63-0027 | SY | Grinding Asphalt To Level Bump Or Raised Area | 24.86 | |

## 32 01 26 Rigid Paving Rehabilitation *(32 01)*

### 32 01 26 71 Grooving of Concrete Paving *(32 01 26)*

| | | | | |
|---|---|---|---|---|
| 32 01 26 71-0001 | | **Roadway Grooving** *(32 01 26 71)* | | |
| 32 01 26 71-0002 | EA | First 500 SY Of Pavement Grooving, Concrete, Longitudinal | 4,145.00 | |
| 32 01 26 71-0003 | SY | Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal | 3.84 | |
| 32 01 26 71-0004 | EA | First 500 SY Of Pavement Grooving, Concrete, Traverse | 4,617.67 | |
| 32 01 26 71-0005 | SY | Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse | 5.00 | |
| 32 01 26 71-0006 | | **Rumble Strips** *(32 01 26 71)* | | |
| 32 01 26 71-0007 | EA | First 5280 LF Of MIARDS, Rumble Strips, Asphalt | 4,954.41 | |
| 32 01 26 71-0008 | LF | Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt | 0.90 | |
| 32 01 26 71-0009 | EA | First 2,000 LF Of MIARDS, Rumble Strips, Concrete | 5,521.24 | |
| 32 01 26 71-0010 | LF | Each LF Over First 2,000 LF Of MIARDS, Rumble Strips, Concrete | 1.01 | |

### 32 01 26 73 Milling Of Concrete Paving *(32 01 26)*

| | | | | |
|---|---|---|---|---|
| 32 01 26 73-0001 | | **Removal Of Concrete** *(32 01 26 73)*<br>Note: Includes direct loading into truck. | | |
| 32 01 26 73-0002 | | **Production Milling Of Roads And Parking Areas** *(32 01 26 73-0001)*<br>Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0041 for hauling. | | |
| 32 01 26 73-0003 | SY | Production Milling Of Concrete Per Inch | 7.18 | |
| 32 01 26 73-0004 | | **Limited Production Milling** *(32 01 26 73-0001)*<br>Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0041 for hauling. | | |
| 32 01 26 73-0005 | SY | Limited Production Milling Of Concrete Per Inch | 45.08 | |

## 32 01 29 Rigid Paving Repair *(32 01)*

### 32 01 29 61 Partial Depth Patching of Rigid Paving *(32 01 29)*

| | | | | |
|---|---|---|---|---|
| 32 01 29 61-0001 | | **Hot Applied Flexible Concrete Repair** *(32 01 29 61)*<br>Note: Excludes saw cutting (where required), flagmen. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 01 29 61-0002 | EA | Hot Applied Flexible Concrete Repair Minimum Charge<br>Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphalt charge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repair" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section. | 1,298.65 | |
| 32 01 29 61-0003 | SF | Up To 2" Depth, Hot Applied Flexible Concrete Repair | 71.65 | |
| | | *For >25 SF Quantity, Deduct* | *-7.17* | |
| 32 01 29 61-0004 | SF | >2" To 4" Depth, Hot Applied Flexible Concrete Repair | 134.50 | |
| | | *For >25 SF Quantity, Deduct* | *-13.45* | |
| 32 01 29 61-0005 | SF | >4" To 6" Depth, Hot Applied Flexible Concrete Repair | 196.76 | |
| | | *For >25 SF Quantity, Deduct* | *-19.68* | |
| 32 01 29 61-0006 | SF | >6" To 8" Depth, Hot Applied Flexible Concrete Repair | 259.01 | |
| | | *For >25 SF Quantity, Deduct* | *-25.90* | |
| 32 01 29 61-0007 | SF | >8" To 10" Depth, Hot Applied Flexible Concrete Repair | 321.27 | |
| | | *For >25 SF Quantity, Deduct* | *-32.13* | |
| 32 01 29 61-0008 | CF | >10" Depth, Hot Applied Flexible Concrete Repair | 382.94 | |
| 32 01 29 61-0009 | | Cold Applied Flexible Concrete Repair *(32 01 29 61)* | | |
| 32 01 29 61-0010 | SF | 1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water) | 7.08 | |
| 32 01 29 61-0011 | SF | 1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water) | 10.17 | |
| 32 01 29 61-0012 | SF | 1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water) | 13.38 | |
| 32 01 29 61-0013 | SF | 3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water) | 16.71 | |
| 32 01 29 61-0014 | SF | 1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water) | 23.82 | |
| 32 01 29 61-0015 | SF | 1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R) | 7.17 | |
| 32 01 29 61-0016 | SF | 1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R) | 10.26 | |
| 32 01 29 61-0017 | SF | 1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R) | 13.47 | |
| 32 01 29 61-0018 | SF | 3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R) | 16.80 | |
| 32 01 29 61-0019 | SF | 1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R) | 23.91 | |
| 32 01 29 61-0020 | SF | 1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R) | 7.12 | |
| 32 01 29 61-0021 | SF | 1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R) | 10.21 | |
| 32 01 29 61-0022 | SF | 1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R) | 13.42 | |
| 32 01 29 61-0023 | SF | 3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R) | 16.75 | |
| 32 01 29 61-0024 | SF | 1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R) | 23.86 | |

# 32 01 90 Operation and Maintenance of Planting *(32 01)*

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

## 32 01 90 13 Fertilizing *(32 01 90)*

| | | | | |
|---|---|---|---|---|
| 32 01 90 13-0001 | MSF | Fertilizer - 2 Lb. Of Nitrogen/MSF (Granular) | 16.62 | |
| 32 01 90 13-0002 | MSF | Fertilizer - 2 Lb. Of Nitrogen/MSF (Liquid) | 12.35 | |
| 32 01 90 13-0003 | MSF | Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Granular) | 13.45 | |
| 32 01 90 13-0004 | MSF | Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Liquid) | 11.11 | |

## 32 01 90 19 Mowing *(32 01 90)*

| | | | | |
|---|---|---|---|---|
| 32 01 90 19-0001 | ACR | Vegetation Cutting By Bush Hog<br>Note: Includes normal debris removal, cutting, and trimming. | 216.88 | |
| | | *For <1 Acre, Add* | *54.22* | |
| 32 01 90 19-0002 | MSF | Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF | 7.72 | |
| 32 01 90 19-0003 | MSF | Mowing Vegetation With Riding Mower, >45,000 SF | 5.98 | |
| 32 01 90 19-0004 | MSF | Clear Vegetation With Weed Trimmer, Up To 1,000 SF | 28.10 | |
| | | *For Work On Slopes >2:1, Add* | *7.03* | |
| | | *For Clearing Light Brush, Add* | *4.22* | |
| 32 01 90 19-0005 | MSF | Clear Vegetation With Weed Trimmer, >1,000 SF | 23.60 | |
| | | *For Work On Slopes >2:1, Add* | *5.90* | |
| | | *For Clearing Light Brush, Add* | *3.54* | |
| 32 01 90 19-0006 | MSF | Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed | 22.75 | |

## 32 01 90 23 Pruning *(32 01 90)*

| | | | | |
|---|---|---|---|---|
| 32 01 90 23-0001 | | Tree Pruning *(32 01 90 23)*<br>Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster. | | |
| 32 01 90 23-0002 | | Tree Pruning; Crown Cleaning *(32 01 90 23-0001)*<br>Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. | | |
| 32 01 90 23-0003 | EA | 1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand | 35.60 | |
| | | *For >25, Deduct* | *-4.45* | |
| 32 01 90 23-0004 | EA | 2" Caliper, Tree Pruning (Crown Cleaning), By Hand | 40.69 | |
| | | *For >25, Deduct* | *-5.09* | |
| 32 01 90 23-0005 | EA | 2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand | 45.78 | |
| | | *For >25, Deduct* | *-5.72* | |
| 32 01 90 23-0006 | EA | 3" Caliper, Tree Pruning (Crown Cleaning), By Hand | 50.87 | |
| | | *For >25, Deduct* | *-6.36* | |
| 32 01 90 23-0007 | EA | 4" Caliper, Tree Pruning (Crown Cleaning), By Hand | 77.30 | |
| | | *For >25, Deduct* | *-9.66* | |
| 32 01 90 23-0008 | EA | 4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment | 125.47 | |
| | | *For >25, Deduct* | *-15.68* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 01 90 23-0009 | EA | 6" Caliper, Tree Pruning (Crown Cleaning), By Hand | 135.28 | |
| | | *For >25, Deduct* | *-16.91* | |
| 32 01 90 23-0010 | EA | 6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment | 238.96 | |
| | | *For >25, Deduct* | *-29.87* | |
| 32 01 90 23-0011 | EA | 9" Caliper, Tree Pruning (Crown Cleaning), By Hand | 216.63 | |
| | | *For >25, Deduct* | *-27.08* | |
| 32 01 90 23-0012 | EA | 9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment | 382.26 | |
| | | *For >25, Deduct* | *-47.78* | |
| 32 01 90 23-0013 | EA | 12" Caliper, Tree Pruning (Crown Cleaning), By Hand | 250.32 | |
| | | *For >25, Deduct* | *-31.29* | |
| 32 01 90 23-0014 | EA | 12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment | 442.06 | |
| | | *For >25, Deduct* | *-55.26* | |
| 32 01 90 23-0015 | EA | 18" Caliper, Tree Pruning (Crown Cleaning), By Hand | 290.99 | |
| | | *For >25, Deduct* | *-29.10* | |
| 32 01 90 23-0016 | EA | 18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment | 513.74 | |
| | | *For >25, Deduct* | *-51.37* | |
| 32 01 90 23-0017 | EA | 24" Caliper, Tree Pruning (Crown Cleaning), By Hand | 354.21 | |
| | | *For >25, Deduct* | *-35.42* | |
| 32 01 90 23-0018 | EA | 24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment | 621.38 | |
| | | *For >25, Deduct* | *-62.14* | |
| 32 01 90 23-0019 | EA | 30" Caliper, Tree Pruning (Crown Cleaning), By Hand | 440.00 | |
| | | *For >25, Deduct* | *-44.00* | |
| 32 01 90 23-0020 | EA | 30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment | 783.13 | |
| | | *For >25, Deduct* | *-78.31* | |
| 32 01 90 23-0021 | EA | 36" Caliper, Tree Pruning (Crown Cleaning), By Hand | 602.66 | |
| | | *For >25, Deduct* | *-60.27* | |
| 32 01 90 23-0022 | EA | 36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment | 1,061.39 | |
| | | *For >25, Deduct* | *-106.14* | |
| 32 01 90 23-0023 | EA | 48" Caliper, Tree Pruning (Crown Cleaning), By Hand | 956.11 | |
| | | *For >25, Deduct* | *-95.61* | |
| 32 01 90 23-0024 | EA | 48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment | 1,706.89 | |
| | | *For >25, Deduct* | *-170.69* | |

## 32 01 90 23-0025 Tree Pruning; Crown Thinning *(32 01 90 23-0001)*

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

| | | | | |
|---|---|---|---|---|
| 32 01 90 23-0026 | EA | 1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand | 43.65 | |
| | | *For >25, Deduct* | *-5.46* | |
| 32 01 90 23-0027 | EA | 2" Caliper, Tree Pruning (Crown Thinning), By Hand | 49.84 | |
| | | *For >25, Deduct* | *-6.23* | |
| 32 01 90 23-0028 | EA | 2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand | 56.05 | |
| | | *For >25, Deduct* | *-7.01* | |
| 32 01 90 23-0029 | EA | 3" Caliper, Tree Pruning (Crown Thinning), By Hand | 62.36 | |
| | | *For >25, Deduct* | *-7.80* | |
| 32 01 90 23-0030 | EA | 4" Caliper, Tree Pruning (Crown Thinning), By Hand | 94.71 | |
| | | *For >25, Deduct* | *-11.84* | |
| 32 01 90 23-0031 | EA | 4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment | 153.66 | |
| | | *For >25, Deduct* | *-19.21* | |
| 32 01 90 23-0032 | EA | 6" Caliper, Tree Pruning (Crown Thinning), By Hand | 165.72 | |
| | | *For >25, Deduct* | *-20.72* | |
| 32 01 90 23-0033 | EA | 6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment | 292.74 | |
| | | *For >25, Deduct* | *-36.59* | |
| 32 01 90 23-0034 | EA | 9" Caliper, Tree Pruning (Crown Thinning), By Hand | 265.41 | |
| | | *For >25, Deduct* | *-33.18* | |
| 32 01 90 23-0035 | EA | 9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment | 468.25 | |
| | | *For >25, Deduct* | *-58.53* | |
| 32 01 90 23-0036 | EA | 12" Caliper, Tree Pruning (Crown Thinning), By Hand | 306.62 | |
| | | *For >25, Deduct* | *-38.33* | |
| 32 01 90 23-0037 | EA | 12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment | 541.49 | |
| | | *For >25, Deduct* | *-67.69* | |
| 32 01 90 23-0038 | EA | 18" Caliper, Tree Pruning (Crown Thinning), By Hand | 356.46 | |
| | | *For >25, Deduct* | *-35.65* | |
| 32 01 90 23-0039 | EA | 18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment | 629.31 | |
| | | *For >25, Deduct* | *-62.93* | |
| 32 01 90 23-0040 | EA | 24" Caliper, Tree Pruning (Crown Thinning), By Hand | 433.87 | |
| | | *For >25, Deduct* | *-43.39* | |
| 32 01 90 23-0041 | EA | 24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment | 761.22 | |
| | | *For >25, Deduct* | *-76.12* | |
| 32 01 90 23-0042 | EA | 30" Caliper, Tree Pruning (Crown Thinning), By Hand | 538.96 | |
| | | *For >25, Deduct* | *-53.90* | |
| 32 01 90 23-0043 | EA | 30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment | 959.33 | |
| | | *For >25, Deduct* | *-95.93* | |
| 32 01 90 23-0044 | EA | 36" Caliper, Tree Pruning (Crown Thinning), By Hand | 738.25 | |
| | | *For >25, Deduct* | *-73.83* | |
| 32 01 90 23-0045 | EA | 36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment | 1,300.20 | |
| | | *For >25, Deduct* | *-130.02* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 01 90 23-0046 | EA | 48" Caliper, Tree Pruning (Crown Thinning), By Hand | 1,171.21 | |
| | | *For >25, Deduct* | *-117.12* | |
| 32 01 90 23-0047 | EA | 48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment | 2,090.94 | |
| | | *For >25, Deduct* | *-209.09* | |

## 32 01 90 23-0048 Tree Pruning; Crown Raising *(32 01 90 23-0001)*

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

| | | | | |
|---|---|---|---|---|
| 32 01 90 23-0049 | EA | 1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand | 48.12 | |
| | | *For >25, Deduct* | *-6.02* | |
| 32 01 90 23-0050 | EA | 2" Caliper, Tree Pruning (Crown Raising), By Hand | 54.94 | |
| | | *For >25, Deduct* | *-6.87* | |
| 32 01 90 23-0051 | EA | 2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand | 61.85 | |
| | | *For >25, Deduct* | *-7.73* | |
| 32 01 90 23-0052 | EA | 3" Caliper, Tree Pruning (Crown Raising), By Hand | 68.67 | |
| | | *For >25, Deduct* | *-8.58* | |
| 32 01 90 23-0053 | EA | 4" Caliper, Tree Pruning (Crown Raising), By Hand | 104.37 | |
| | | *For >25, Deduct* | *-13.05* | |
| 32 01 90 23-0054 | EA | 4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment | 169.42 | |
| | | *For >25, Deduct* | *-21.18* | |
| 32 01 90 23-0055 | EA | 6" Caliper, Tree Pruning (Crown Raising), By Hand | 182.60 | |
| | | *For >25, Deduct* | *-22.83* | |
| 32 01 90 23-0056 | EA | 6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment | 322.61 | |
| | | *For >25, Deduct* | *-40.33* | |
| 32 01 90 23-0057 | EA | 9" Caliper, Tree Pruning (Crown Raising), By Hand | 292.47 | |
| | | *For >25, Deduct* | *-36.56* | |
| 32 01 90 23-0058 | EA | 9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment | 516.04 | |
| | | *For >25, Deduct* | *-64.51* | |
| 32 01 90 23-0059 | EA | 12" Caliper, Tree Pruning (Crown Raising), By Hand | 337.95 | |
| | | *For >25, Deduct* | *-42.24* | |
| 32 01 90 23-0060 | EA | 12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment | 596.82 | |
| | | *For >25, Deduct* | *-74.60* | |
| 32 01 90 23-0061 | EA | 18" Caliper, Tree Pruning (Crown Raising), By Hand | 392.88 | |
| | | *For >25, Deduct* | *-39.29* | |
| 32 01 90 23-0062 | EA | 18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment | 693.59 | |
| | | *For >25, Deduct* | *-69.36* | |
| 32 01 90 23-0063 | EA | 24" Caliper, Tree Pruning (Crown Raising), By Hand | 478.23 | |
| | | *For >25, Deduct* | *-47.82* | |
| 32 01 90 23-0064 | EA | 24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment | 838.89 | |
| | | *For >25, Deduct* | *-83.89* | |
| 32 01 90 23-0065 | EA | 30" Caliper, Tree Pruning (Crown Raising), By Hand | 594.00 | |
| | | *For >25, Deduct* | *-59.40* | |
| 32 01 90 23-0066 | EA | 30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment | 1,057.18 | |
| | | *For >25, Deduct* | *-105.72* | |
| 32 01 90 23-0067 | EA | 36" Caliper, Tree Pruning (Crown Raising), By Hand | 813.63 | |
| | | *For >25, Deduct* | *-81.36* | |
| 32 01 90 23-0068 | EA | 36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment | 1,432.83 | |
| | | *For >25, Deduct* | *-143.28* | |
| 32 01 90 23-0069 | EA | 48" Caliper, Tree Pruning (Crown Raising), By Hand | 1,290.74 | |
| | | *For >25, Deduct* | *-129.07* | |
| 32 01 90 23-0070 | EA | 48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment | 2,304.33 | |
| | | *For >25, Deduct* | *-230.43* | |

## 32 01 90 23-0071 Tree Pruning; Crown Reduction *(32 01 90 23-0001)*

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

| | | | | |
|---|---|---|---|---|
| 32 01 90 23-0072 | EA | 1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand | 51.68 | |
| | | *For >25, Deduct* | *-6.46* | |
| 32 01 90 23-0073 | EA | 2" Caliper, Tree Pruning (Crown Reduction), By Hand | 59.00 | |
| | | *For >25, Deduct* | *-7.38* | |
| 32 01 90 23-0074 | EA | 2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand | 66.43 | |
| | | *For >25, Deduct* | *-8.30* | |
| 32 01 90 23-0075 | EA | 3" Caliper, Tree Pruning (Crown Reduction), By Hand | 73.76 | |
| | | *For >25, Deduct* | *-9.22* | |
| 32 01 90 23-0076 | EA | 4" Caliper, Tree Pruning (Crown Reduction), By Hand | 112.11 | |
| | | *For >25, Deduct* | *-14.01* | |
| 32 01 90 23-0077 | EA | 4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment | 181.97 | |
| | | *For >25, Deduct* | *-22.75* | |
| 32 01 90 23-0078 | EA | 6" Caliper, Tree Pruning (Crown Reduction), By Hand | 196.14 | |
| | | *For >25, Deduct* | *-24.52* | |
| 32 01 90 23-0079 | EA | 6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment | 346.50 | |
| | | *For >25, Deduct* | *-43.31* | |
| 32 01 90 23-0080 | EA | 9" Caliper, Tree Pruning (Crown Reduction), By Hand | 314.14 | |
| | | *For >25, Deduct* | *-39.27* | |
| 32 01 90 23-0081 | EA | 9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment | 554.28 | |
| | | *For >25, Deduct* | *-69.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 01 90 23-0082 | EA | 12" Caliper, Tree Pruning (Crown Reduction), By Hand | 362.97 | |
| | | *For >25, Deduct* | *-45.37* | |
| 32 01 90 23-0083 | EA | 12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment | 641.02 | |
| | | *For >25, Deduct* | *-80.13* | |
| 32 01 90 23-0084 | EA | 18" Caliper, Tree Pruning (Crown Reduction), By Hand | 421.97 | |
| | | *For >25, Deduct* | *-42.20* | |
| 32 01 90 23-0085 | EA | 18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment | 744.97 | |
| | | *For >25, Deduct* | *-74.50* | |
| 32 01 90 23-0086 | EA | 24" Caliper, Tree Pruning (Crown Reduction), By Hand | 513.63 | |
| | | *For >25, Deduct* | *-51.36* | |
| 32 01 90 23-0087 | EA | 24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment | 901.02 | |
| | | *For >25, Deduct* | *-90.10* | |
| 32 01 90 23-0088 | EA | 30" Caliper, Tree Pruning (Crown Reduction), By Hand | 638.05 | |
| | | *For >25, Deduct* | *-63.81* | |
| 32 01 90 23-0089 | EA | 30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment | 1,135.56 | |
| | | *For >25, Deduct* | *-113.56* | |
| 32 01 90 23-0090 | EA | 36" Caliper, Tree Pruning (Crown Reduction), By Hand | 873.85 | |
| | | *For >25, Deduct* | *-87.39* | |
| 32 01 90 23-0091 | EA | 36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment | 1,539.06 | |
| | | *For >25, Deduct* | *-153.91* | |
| 32 01 90 23-0092 | EA | 48" Caliper, Tree Pruning (Crown Reduction), By Hand | 1,386.36 | |
| | | *For >25, Deduct* | *-138.64* | |
| 32 01 90 23-0093 | EA | 48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment | 2,474.96 | |
| | | *For >25, Deduct* | *-247.50* | |

## 32 01 90 23-0094 Tree Pruning; Crown Restoration *(32 01 90 23-0001)*

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

| | | | | |
|---|---|---|---|---|
| 32 01 90 23-0095 | EA | 1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand | 59.31 | |
| | | *For >25, Deduct* | *-7.41* | |
| 32 01 90 23-0096 | EA | 2" Caliper, Tree Pruning (Crown Restoration), By Hand | 67.86 | |
| | | *For >25, Deduct* | *-8.48* | |
| 32 01 90 23-0097 | EA | 2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand | 76.30 | |
| | | *For >25, Deduct* | *-9.54* | |
| 32 01 90 23-0098 | EA | 3" Caliper, Tree Pruning (Crown Restoration), By Hand | 84.74 | |
| | | *For >25, Deduct* | *-10.59* | |
| 32 01 90 23-0099 | EA | 4" Caliper, Tree Pruning (Crown Restoration), By Hand | 128.79 | |
| | | *For >25, Deduct* | *-16.10* | |
| 32 01 90 23-0100 | EA | 4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment | 209.09 | |
| | | *For >25, Deduct* | *-26.14* | |
| 32 01 90 23-0101 | EA | 6" Caliper, Tree Pruning (Crown Restoration), By Hand | 225.43 | |
| | | *For >25, Deduct* | *-28.18* | |
| 32 01 90 23-0102 | EA | 6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment | 398.23 | |
| | | *For >25, Deduct* | *-49.78* | |
| 32 01 90 23-0103 | EA | 9" Caliper, Tree Pruning (Crown Restoration), By Hand | 361.04 | |
| | | *For >25, Deduct* | *-45.13* | |
| 32 01 90 23-0104 | EA | 9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment | 637.08 | |
| | | *For >25, Deduct* | *-79.64* | |
| 32 01 90 23-0105 | EA | 12" Caliper, Tree Pruning (Crown Restoration), By Hand | 417.19 | |
| | | *For >25, Deduct* | *-52.15* | |
| 32 01 90 23-0106 | EA | 12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment | 736.73 | |
| | | *For >25, Deduct* | *-92.09* | |
| 32 01 90 23-0107 | EA | 18" Caliper, Tree Pruning (Crown Restoration), By Hand | 484.95 | |
| | | *For >25, Deduct* | *-48.50* | |
| 32 01 90 23-0108 | EA | 18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment | 856.21 | |
| | | *For >25, Deduct* | *-85.62* | |
| 32 01 90 23-0109 | EA | 24" Caliper, Tree Pruning (Crown Restoration), By Hand | 590.33 | |
| | | *For >25, Deduct* | *-59.03* | |
| 32 01 90 23-0110 | EA | 24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment | 1,035.67 | |
| | | *For >25, Deduct* | *-103.57* | |
| 32 01 90 23-0111 | EA | 30" Caliper, Tree Pruning (Crown Restoration), By Hand | 733.37 | |
| | | *For >25, Deduct* | *-73.34* | |
| 32 01 90 23-0112 | EA | 30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment | 1,305.23 | |
| | | *For >25, Deduct* | *-130.52* | |
| 32 01 90 23-0113 | EA | 36" Caliper, Tree Pruning (Crown Restoration), By Hand | 1,004.47 | |
| | | *For >25, Deduct* | *-100.45* | |
| 32 01 90 23-0114 | EA | 36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment | 1,769.06 | |
| | | *For >25, Deduct* | *-176.91* | |
| 32 01 90 23-0115 | EA | 48" Caliper, Tree Pruning (Crown Restoration), By Hand | 1,593.49 | |
| | | *For >25, Deduct* | *-159.35* | |
| 32 01 90 23-0116 | EA | 48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment | 2,844.87 | |
| | | *For >25, Deduct* | *-284.49* | |

## 32 01 90 23-0117 Palm Tree Pruning *(32 01 90 23)*

| | | | | |
|---|---|---|---|---|
| 32 01 90 23-0118 | EA | Trim Mexican Palm Tree | 107.85 | |
| | | *For >25, Deduct* | *-13.48* | |
| 32 01 90 23-0119 | EA | Trim Date Palm Tree | 243.37 | |
| | | *For >25, Deduct* | *-30.42* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 01 90 23-0120 | LF | Skin Palm Tree | 27.65 | |
| | | *For >25, Deduct* | *-3.46* | |
| 32 01 90 23-0121 | EA | Trim And Skin Palm Tree, Up To 30' Height | 101.56 | |
| | | *For >25, Deduct* | *-12.70* | |
| 32 01 90 23-0122 | EA | Trim And Skin Palm Tree, >30' To 60' Height | 125.46 | |
| | | *For >25, Deduct* | *-15.68* | |
| 32 01 90 23-0123 | EA | Trim And Skin Palm Tree, >60' To 80' Height | 140.39 | |
| | | *For >25, Deduct* | *-17.55* | |

### 32 01 90 23-0124 Shrub Pruning *(32 01 90 23)*

| | | | | |
|---|---|---|---|---|
| 32 01 90 23-0125 | MSF | Shrub Pruning, Prune, Shrub Bed | 115.92 | |
| 32 01 90 23-0126 | EA | Shrub Pruning, Prune, Shrub Under 3' Height | 4.07 | |
| 32 01 90 23-0127 | EA | Shrub Pruning, Prune, Shrub 4' Height | 9.16 | |
| 32 01 90 23-0128 | EA | Shrub Pruning, Prune, Shrub Over 6' | 16.28 | |
| 32 01 90 23-0129 | EA | Shrub Pruning, Prune Trees From Ground | 40.69 | |
| 32 01 90 23-0130 | EA | Shrub Pruning, Prune Trees From Ground, High Work | 101.73 | |

### 32 01 90 23-0131 Root Pruning *(32 01 90 23)*

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

| | | | | |
|---|---|---|---|---|
| 32 01 90 23-0132 | EA | Root Pruning, One Side Of Up To 1-1/2" Caliper Tree | 20.35 | |
| 32 01 90 23-0133 | EA | Root Pruning, One Side Of 2" Caliper Tree | 25.43 | |
| 32 01 90 23-0134 | EA | Root Pruning, One Side Of 2-1/2" Caliper Tree | 30.52 | |
| 32 01 90 23-0135 | EA | Root Pruning, One Side Of 3" Caliper Tree | 40.69 | |
| 32 01 90 23-0136 | EA | Root Pruning, One Side Of 4" Caliper Tree | 61.04 | |
| 32 01 90 23-0137 | EA | Root Pruning, One Side Of >4" To 6" Caliper Tree | 76.30 | |
| 32 01 90 23-0138 | EA | Root Pruning, One Side Of >6" To 9" Caliper Tree | 106.82 | |
| 32 01 90 23-0139 | EA | Root Pruning, One Side Of >9" To 12" Caliper Tree | 122.07 | |
| 32 01 90 23-0140 | EA | Root Pruning, One Side Of >12" To 18" Caliper Tree | 142.42 | |
| 32 01 90 23-0141 | EA | Root Pruning, One Side Of >18' To 24" Caliper Tree | 178.02 | |
| 32 01 90 23-0142 | EA | Root Pruning, One Side Of >24" To 30" Caliper Tree | 218.72 | |
| 32 01 90 23-0143 | EA | Root Pruning, One Side Of >30" To 36" Caliper Tree | 254.32 | |
| 32 01 90 23-0144 | EA | Root Pruning, One Side Of >36" To 42" Caliper Tree | 279.75 | |
| 32 01 90 23-0145 | EA | Root Pruning, One Side Of >42" To 48" Caliper Tree | 305.19 | |

### 32 01 90 23-0146 Root Removal *(32 01 90 23)*

| | | | | |
|---|---|---|---|---|
| 32 01 90 23-0147 | EA | Hand Trim Roots From Work Area, Per Tree | 116.45 | |

## 32 01 90 26 Watering *(32 01 90)*

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

### 32 01 90 26-0001 Watering Lawns, Plants And Trees *(32 01 90 26)*

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for additional watering beyond inital watering at installation for extended watering period of lawns, plants and trees.

| | | | | |
|---|---|---|---|---|
| 32 01 90 26-0002 | MSF | Watering Sod/Grass, Per Inch Of Water | 48.39 | |
| 32 01 90 26-0003 | CSF | Watering Groundcover | 7.44 | |
| 32 01 90 26-0004 | CSF | Watering Annuals And Perennials | 13.15 | |
| 32 01 90 26-0005 | EA | Watering Trees, 1-1/2" To 5" Diameter By Hand | 25.32 | |
| 32 01 90 26-0006 | EA | Watering Trees, 6" To 12" Diameter By Hand | 33.28 | |
| 32 01 90 26-0007 | EA | Watering Trees, 13" To 18" Diameter By Hand | 41.24 | |
| 32 01 90 26-0008 | EA | Watering Trees, >18" Diameter By Hand | 50.77 | |
| 32 01 90 26-0009 | EA | Watering Shrub Or Bush By Hand | 12.73 | |

## 32 01 90 36 Weed and Brush Control *(32 01 90)*

### 32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied *(32 01 90 36)*

| | | | | |
|---|---|---|---|---|
| 32 01 90 36-0002 | MSF | Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF) | 9.33 | |
| | | *For >45 To 90, Deduct* | *-0.51* | |
| | | *For >90 To 225, Deduct* | *-1.44* | |
| | | *For >225 To 870, Deduct* | *-2.37* | |
| | | *For >870, Deduct* | *-2.88* | |
| 32 01 90 36-0003 | MSF | Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF) | 10.01 | |
| | | *For >45 To 90, Deduct* | *-0.58* | |
| | | *For >90 To 225, Deduct* | *-1.58* | |
| | | *For >225 To 870, Deduct* | *-2.58* | |
| | | *For >870, Deduct* | *-3.16* | |
| 32 01 90 36-0004 | MSF | Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF) | 9.97 | |
| | | Note: Includes pre and post emergent. | | |
| | | *For >45 To 90, Deduct* | *-0.57* | |
| | | *For >90 To 225, Deduct* | *-1.57* | |
| | | *For >225 To 870, Deduct* | *-2.57* | |
| | | *For >870, Deduct* | *-3.14* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 01 90 36-0005 | MSF | Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF)<br>Note: Includes pre and post emergent. | 10.39 | |
| | | *For >45 To 90, Deduct* | *-0.61* | |
| | | *For >90 To 225, Deduct* | *-1.65* | |
| | | *For >225 To 870, Deduct* | *-2.69* | |
| | | *For >870, Deduct* | *-3.31* | |

### 32 01 90 39 Pesticides *(32 01 90)*

| | | | | |
|---|---|---|---|---|
| 32 01 90 39-0001 | MSF | Pesticide - Surface Eating | 12.80 | |
| 32 01 90 39-0002 | MSF | Pesticide - Subsurface Eating | 12.84 | |
| 32 01 90 39-0003 | MSF | Pesticide - Fungicide Application | 13.77 | |

### 32 01 90 43 Weed and Cultivate Beds *(32 01 90)*

| | | | | |
|---|---|---|---|---|
| 32 01 90 43-0001 | MSF | Weed Mulched Bed | 49.80 | |
| 32 01 90 43-0002 | MSF | Weed Unmulched Bed | 142.28 | |
| 32 01 90 43-0003 | MSF | Cultivate Bed | 76.61 | |

### 32 01 90 46 Hedge Trimming *(32 01 90)*

| | | | | |
|---|---|---|---|---|
| 32 01 90 46-0001 | LF | Trim 0-5' High Hedge, 0-3' Wide | 6.56 | |
| 32 01 90 46-0002 | LF | Trim 0-5' High Hedge, 4-6' Wide | 9.84 | |
| 32 01 90 46-0003 | LF | Trim 5-10' High Hedge, 0-3' Wide | 14.91 | |
| 32 01 90 46-0004 | LF | Trim 5-10' High Hedge, 4-6' Wide | 15.18 | |

### 32 01 90 53 Plant Growth Regulator Application *(32 01 90)*

| | | | | |
|---|---|---|---|---|
| 32 01 90 53-0001 | EA | Plant Growth Regulator Application | 7.05 | |

## 32 05 Common Work Results for Exterior Improvements *(32)*

### 32 05 23 Cement and Concrete for Exterior Improvements *(32 05)*

32 05 23 00-0001 Common Public Works Assemblies *(32 05 23)*
Note: Assembly task as per GreenBook Specifications

| | | | | |
|---|---|---|---|---|
| 32 05 23 00-0002 | SF | PCC Sidewalk<br>Note: Assembly task as per GreenBook Specifications. | 7.00 | |
| 32 05 23 00-0003 | LF | Curb And Gutter<br>Note: Assembly task as per GreenBook Specifications. | 34.00 | |
| 32 05 23 00-0004 | UNT | Surface Preperation And Crack Seal (Based on 3% of total cost of asphalt)<br>Note: Assembly task as per GreenBook Specifications. County Representative to decide value. | 1,000.00 | |
| 32 05 23 00-0005 | TON | >200 Ton Base Repair<br>Note: Assembly task as per GreenBook Specifications. | 175.00 | |
| 32 05 23 00-0006 | TON | <200 Ton Base Repair<br>Note: Assembly task as per GreenBook Specifications. | 150.00 | |
| 32 05 23 00-0007 | SF | Grinding<br>Note: Assembly task as per GreenBook Specifications. | 0.40 | |
| 32 05 23 00-0008 | SF | AC Taper with Key<br>Note: Assembly task as per GreenBook Specifications. | 0.62 | |
| 32 05 23 00-0009 | TON | Miscellaneous Paving<br>Note: Assembly task as per GreenBook Specifications. | 112.00 | |
| 32 05 23 00-0010 | MI | Shoulder Backing<br>Note: Assembly task as per GreenBook Specifications. | 15,940.00 | |
| 32 05 23 00-0011 | UNT | Traffic Control And Signage<br>Note: Assembly task as per GreenBook Specifications. | 1,000.00 | |
| 32 05 23 00-0012 | EA | Tree Removal Less Than 100" Girth<br>Note: Assembly task as per GreenBook Specifications. | 2,000.00 | |
| 32 05 23 00-0013 | EA | Tree Removal Over Than 100" Girth<br>Note: Assembly task as per GreenBook Specifications. | 4,000.00 | |
| 32 05 23 00-0014 | EA | Asphalt Index Adjustment<br>Note: Assembly task as per GreenBook Specifications. | 1.00 | |

### 32 05 33 Common Work Results for Planting *(32 05)*

32 05 33 00-0001 Green Wall *(32 05 33)*

| | | | | |
|---|---|---|---|---|
| 32 05 33 00-0002 | LF | 8' High Green Wall System With Stainless Steel Trim On Three Edges With One Year Maintenance And Warranty<br>Note: Includes biotile modules, drainage mat, PVC battens, sheathing, frame, waterproofing, SS trim, and direct irrigation control system. | 1,882.26 | 117.92 |
| 32 05 33 00-0003 | EA | Plants And Installation for Green Wall System | 13.70 | |

32 05 33 00-0004 Trellis *(32 05 33)*

32 05 33 00-0005 Ground Trellis *(32 05 33 00-0004)*

| | | | | |
|---|---|---|---|---|
| 32 05 33 00-0006 | EA | 12" Diameter Auger Post Hole For Trellis Post | 71.80 | |
| 32 05 33 00-0007 | EA | 12" Diameter Concrete Fill For Trellis Post | 87.17 | |
| 32 05 33 00-0008 | EA | 3" x 3" x 9' High, 11 Gauge, Brush Steel Finish Stainless Steel Post With Welded Steel Cap<br>Note: Excludes augering hole and concrete backfill. See CSI section 32 31 13 13-0009 for auger hole for trellis post, 32 31 13 13-0026 for concrete fill for trellis post. | 729.14 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 05 33 00-0009 | EA | Custom Fabricate 6' High x 27.33' Wide Trellis With #5 Stainless Steel A945 Rebar Horiziontal Rails and Verticals<br>Note: Includes tack welding in place to posts and rebar, random design pattern horizontal rebar rails 8" to 9" apart and vertical rails spaced 12" to 15" apart per layout. | 30,026.42 | |

32 05 33 00-0010 Planter Trellis *(32 05 33 00-0004)*

| | | | | |
|---|---|---|---|---|
| 32 05 33 00-0011 | EA | 2" x 2" x 4'-8", 11 Gauge, Brush Steel Finish Stainless Steel Post With Welded Steel Cap And Trellis Supports | 256.32 | |
| 32 05 33 00-0012 | EA | Custom Fabricate 3' High x 4' Wide Trellis With #4 Stainless Steel A945 Rebar Horiziontal Rails and Verticals<br>Note: Includes tack welding in place to posts and rebar, random design pattern horizontal rebar rails 5" to 6" apart and vertical rails spaced 7" to 9" apart per layout. | 4,069.40 | |

32 05 33 00-0013 Decorative Landscape Boulders *(32 05 33)*

Note: Includes delivery of materials and placement.

| | | | | |
|---|---|---|---|---|
| 32 05 33 00-0014 | EA | 2' x 3' x 2' Oval Shape Boulders (Approx. 1,000 Lb. Each) | 352.86 | |
| 32 05 33 00-0015 | EA | 3' x 3' x 2' Oval Shape Boulders (Approx. 1,500 Lb. Each) | 529.30 | |
| 32 05 33 00-0016 | EA | 3' x 4' x 3' Oval Shape Boulders (Approx. 3,000 Lb. Each) | 1,058.58 | |
| 32 05 33 00-0017 | TON | Landscape Boulders | 705.72 | |

# 32 10 Bases, Ballasts, and Paving *(32)*

## 32 11 Base Courses *(32 10)*

### 32 11 16 Subbase Courses *(32 11)*

#### 32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas *(32 11 16 16)*

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY *(32 11 16 16-0001)*

| | | | | |
|---|---|---|---|---|
| 32 11 16 16-0003 | CY | Class II Graded Crushed Aggregate Roadway Base Course | 105.29 | |
| 32 11 16 16-0004 | CY | Class III Graded Crushed Aggregate Roadway Base Course | 101.14 | |

32 11 16 16-0005 Class II Base Courses By The SY *(32 11 16 16-0001)*

| | | | | |
|---|---|---|---|---|
| 32 11 16 16-0006 | SY | 2" Class II Graded Crushed Aggregate Base Course | 5.76 | |
| | | *For Up To 500, Add* | | *1.48* |
| | | *For >500 To 1,000, Add* | | *0.58* |
| | | *For >5,000 To 10,000, Deduct* | | *-0.22* |
| | | *For >10,000, Deduct* | | *-0.37* |
| 32 11 16 16-0007 | SY | 4" Class II Crushed Aggregate Base Course | 11.52 | |
| | | *For Up To 500, Add* | | *2.95* |
| | | *For >500 To 1,000, Add* | | *1.15* |
| | | *For >5,000 To 10,000, Deduct* | | *-0.44* |
| | | *For >10,000, Deduct* | | *-0.75* |
| 32 11 16 16-0008 | SY | 6" Class II Crushed Aggregate Base Course | 17.27 | |
| | | *For Up To 500, Add* | | *4.42* |
| | | *For >500 To 1,000, Add* | | *1.73* |
| | | *For >5,000 To 10,000, Deduct* | | *-0.66* |
| | | *For >10,000, Deduct* | | *-1.12* |
| 32 11 16 16-0009 | SY | 9" Class II Crushed Aggregate Base Course | 25.92 | |
| | | *For Up To 500, Add* | | *6.64* |
| | | *For >500 To 1,000, Add* | | *2.59* |
| | | *For >5,000 To 10,000, Deduct* | | *-0.98* |
| | | *For >10,000, Deduct* | | *-1.68* |
| 32 11 16 16-0010 | SY | 12" Class II Crushed Aggregate Base Course | 34.56 | |
| | | *For Up To 500, Add* | | *8.85* |
| | | *For >500 To 1,000, Add* | | *3.46* |
| | | *For >5,000 To 10,000, Deduct* | | *-1.31* |
| | | *For >10,000, Deduct* | | *-2.25* |

### 32 11 23 Aggregate Base Courses *(32 11)*

#### 32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) *(32 11 23 16)*

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

| | | | | |
|---|---|---|---|---|
| 32 11 23 16-0002 | SF | 2" Crushed Aggregate Base Course For Sidewalks | 0.70 | |
| | | *For Up To 1,000, Add* | | *0.19* |
| | | *For >1,000 To 2,500, Add* | | *0.07* |
| 32 11 23 16-0003 | SF | 3" Crushed Aggregate Base Course For Sidewalks | 1.00 | |
| | | *For Up To 1,000, Add* | | *0.28* |
| | | *For >1,000 To 2,500, Add* | | *0.10* |
| 32 11 23 16-0004 | SF | 4" Crushed Aggregate Base Course For Sidewalks | 1.30 | |
| | | *For Up To 1,000, Add* | | *0.36* |
| | | *For >1,000 To 2,500, Add* | | *0.13* |
| 32 11 23 16-0005 | SF | 5" Crushed Aggregate Base Course For Sidewalks | 1.69 | |
| | | *For Up To 1,000, Add* | | *0.47* |
| | | *For >1,000 To 2,500, Add* | | *0.17* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 11 23 16-0006 | SF | 6" Crushed Aggregate Base Course For Sidewalks | 2.07 | |
| | | *For Up To 1,000, Add* | *0.57* | |
| | | *For >1,000 To 2,500, Add* | *0.21* | |
| 32 11 23 16-0007 | SF | 7" Crushed Aggregate Base Course For Sidewalks | 2.39 | |
| | | *For Up To 1,000, Add* | *0.66* | |
| | | *For >1,000 To 2,500, Add* | *0.24* | |
| 32 11 23 16-0008 | SF | 8" Crushed Aggregate Base Course For Sidewalks | 2.70 | |
| | | *For Up To 1,000, Add* | *0.75* | |
| | | *For >1,000 To 2,500, Add* | *0.27* | |

### 32 11 26 Asphaltic Base Courses *(32 11)*

#### 32 11 26 19 Bituminous-Stabilized Base Courses *(32 11 26)*

32 11 26 19-0001 Bituminous-Stabilized Base Courses *(32 11 26 19)*

| | | | |
|---|---|---|---|
| 32 11 26 19-0002 | CY | Bituminous Stabilized Base Course<br>Note: 3/4" ASTM C33. | 116.84 |

## 32 12 Flexible Paving *(32 10)*

### 32 12 13 Preparatory Coats *(32 12)*

#### 32 12 13 13 Tack Coats *(32 12 13)*

| | | | |
|---|---|---|---|
| 32 12 13 13-0001 | SY | Tack Coat, 0.04 Gallon/SY | 0.64 |
| | | *For Up To 150, Add* | *0.12* |
| | | *For >150 To 300, Add* | *0.06* |
| | | *For >300 To 500, Add* | *0.03* |
| | | *For >3,500 To 5,000, Deduct* | *-0.02* |
| | | *For >5,000, Deduct* | *-0.04* |
| 32 12 13 13-0002 | SY | Tack Coat, 0.05 Gallon/SY | 0.71 |
| | | *For Up To 150, Add* | *0.14* |
| | | *For >150 To 300, Add* | *0.07* |
| | | *For >300 To 500, Add* | *0.04* |
| | | *For >3,500 To 5,000, Deduct* | *-0.02* |
| | | *For >5,000, Deduct* | *-0.04* |
| 32 12 13 13-0003 | SY | Tack Coat, 0.07 Gallon/SY | 0.84 |
| | | *For Up To 150, Add* | *0.17* |
| | | *For >150 To 300, Add* | *0.08* |
| | | *For >300 To 500, Add* | *0.04* |
| | | *For >3,500 To 5,000, Deduct* | *-0.02* |
| | | *For >5,000, Deduct* | *-0.05* |
| 32 12 13 13-0004 | SY | Tack Coat, 0.08 Gallon/SY | 0.91 |
| | | *For Up To 150, Add* | *0.19* |
| | | *For >150 To 300, Add* | *0.09* |
| | | *For >300 To 500, Add* | *0.05* |
| | | *For >3,500 To 5,000, Deduct* | *-0.02* |
| | | *For >5,000, Deduct* | *-0.06* |
| 32 12 13 13-0005 | SY | Tack Coat, 0.10 Gallon/SY | 1.05 |
| | | *For Up To 150, Add* | *0.23* |
| | | *For >150 To 300, Add* | *0.11* |
| | | *For >300 To 500, Add* | *0.05* |
| | | *For >3,500 To 5,000, Deduct* | *-0.03* |
| | | *For >5,000, Deduct* | *-0.07* |
| 32 12 13 13-0006 | SY | Tack Coat, 0.11 Gallon/SY | 1.11 |
| | | *For Up To 150, Add* | *0.24* |
| | | *For >150 To 300, Add* | *0.11* |
| | | *For >300 To 500, Add* | *0.06* |
| | | *For >3,500 To 5,000, Deduct* | *-0.03* |
| | | *For >5,000, Deduct* | *-0.07* |

#### 32 12 13 19 Prime Coats *(32 12 13)*

| | | | |
|---|---|---|---|
| 32 12 13 19-0001 | SY | Surface Prime Coat, 0.26 Gallon/SY | 1.89 |
| | | *For Up To 150, Add* | *0.43* |
| | | *For >150 To 300, Add* | *0.19* |
| | | *For >300 To 500, Add* | *0.09* |
| | | *For >3,500 To 5,000, Deduct* | *-0.05* |
| | | *For >5,000, Deduct* | *-0.13* |
| 32 12 13 19-0002 | SY | Surface Prime Coat, 0.28 Gallon/SY | 2.00 |
| | | *For Up To 150, Add* | *0.45* |
| | | *For >150 To 300, Add* | *0.20* |
| | | *For >300 To 500, Add* | *0.10* |
| | | *For >3,500 To 5,000, Deduct* | *-0.05* |
| | | *For >5,000, Deduct* | *-0.14* |
| 32 12 13 19-0003 | SY | Surface Prime Coat, 0.30 Gallon/SY | 2.10 |
| | | *For Up To 150, Add* | *0.48* |
| | | *For >150 To 300, Add* | *0.21* |
| | | *For >300 To 500, Add* | *0.11* |
| | | *For >3,500 To 5,000, Deduct* | *-0.05* |
| | | *For >5,000, Deduct* | *-0.15* |

### 32 12 16 Asphalt Paving *(32 12)*

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

## 32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0041 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

### 32 12 16 13-0001 Asphalt Courses *(32 12 16 13)*

Note: Types PG64-10, PG70-10, PG64-28, PG64-16 as per the "Green Book" specification 2012

| | | | | | |
|---|---|---|---|---|---|
| 32 12 16 13-0002 | TON | Bituminous Hot Mix Course<br>Note: Includes types PG64-10, PG70-10, PG64-28, PG64-16 as per the "Green Book" specification, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section. | | 181.00 | |
| | | *For Warm Mix Additive, Add* | | *6.50* | |

### 32 12 16 13-0003 Surface Wearing Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: SX (1/2") aggregate gradation

| | | | | | |
|---|---|---|---|---|---|
| 32 12 16 13-0004 | TON | Asphalt Rubberized Hot Mix (ARHM) Surface Course<br>Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. | | 196.08 | |
| | | *For Warm Mix Additive, Add* | | *6.50* | |
| 32 12 16 13-0005 | CSF | Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench | | 99.16 | |

### 32 12 16 13-0006 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

| | | | | | |
|---|---|---|---|---|---|
| 32 12 16 13-0007 | TON | Hand Placed Hot Mixed Asphalt 3,954 Lb./CY<br>Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping. | | 409.69 | |

## 32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

### 32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well-graded granular aggregate.

| | | | | | |
|---|---|---|---|---|---|
| 32 12 16 19-0002 | SY | Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course | | 14.58 | |
| 32 12 16 19-0003 | SY | Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course | | 14.17 | |
| 32 12 16 19-0004 | SY | Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course | | 22.69 | |

## 32 12 16 39 Paving Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

### 32 12 16 39-0001 Geotextile Paving Fabrics *(32 12 16 39)*

| | | | | | |
|---|---|---|---|---|---|
| 32 12 16 39-0002 | SY | 3.6 Ounce/SY, 90 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O) | | 1.97 | |
| | | *For Up To 50, Add* | | *0.44* | |
| | | *For >50 To 150, Add* | | *0.33* | |
| | | *For >150 To 250, Add* | | *0.21* | |
| | | *For >250 To 500, Add* | | *0.11* | |
| 32 12 16 39-0003 | SY | 4.1 Ounce/SY, 101 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O) | | 2.12 | |
| | | *For Up To 50, Add* | | *0.47* | |
| | | *For >50 To 150, Add* | | *0.35* | |
| | | *For >150 To 250, Add* | | *0.23* | |
| | | *For >250 To 500, Add* | | *0.11* | |

## 32 12 16 43 Waterproofing Membranes *(32 12 16)*

### 32 12 16 43-0001 Waterproofing Membranes *(32 12 16 43)*

| | | | | | |
|---|---|---|---|---|---|
| 32 12 16 43-0002 | SY | Up To 500 SY, Preformed Rubberized Asphalt Membrane | | 38.91 | |
| 32 12 16 43-0003 | SY | >500 To 1,000 SY, Preformed Rubberized Asphalt Membrane | | 29.12 | |
| 32 12 16 43-0004 | SY | >1,000 SY, Preformed Rubberized Asphalt Membrane | | 18.03 | |

## 32 12 33 Flexible Paving Surface Treatments *(32 12)*

### 32 12 33 00-0001 Bituminous Surface Treatment For Roadways *(32 12 33)*

Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.

| | | | | | |
|---|---|---|---|---|---|
| 32 12 33 00-0002 | SY | Single Course Bituminous Treatment, Prepare And Clean Surface Roadway | | 3.40 | |
| 32 12 33 00-0003 | SY | Double Course Bituminous Treatment, Prepare And Clean Surface Roadway | | 6.10 | |

### 32 12 33 00-0004 Bituminous Surface Treatment For Trails *(32 12 33)*

Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.

| | | | | | |
|---|---|---|---|---|---|
| 32 12 33 00-0005 | SY | Bituminous Surface Treatment, For Trails | | 2.33 | |

## 32 12 36 Seal Coats *(32 12)*

See CSI section 32 01 13 62-0000 for slurry seal.

## 32 12 36 13 Asphaltic Seal and Fog Coats *(32 12 36)*

### 32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13)*

Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

| | | | | |
|---|---|---|---|---|
| 32 12 36 13-0003 | SY | Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 5.29 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0004 | SY | >200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 4.79 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0005 | SY | >500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 4.57 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0006 | SY | >1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 4.32 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0007 | SY | >5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 4.19 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0008 | SY | >10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 4.08 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0009 | SY | >20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 3.94 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0010 | SY | >50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 3.87 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |

### 32 12 36 13-0011 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

| | | | | |
|---|---|---|---|---|
| 32 12 36 13-0012 | SY | Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 6.16 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0013 | SY | >200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 5.59 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0014 | SY | >500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 5.32 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0015 | SY | >1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 5.17 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0016 | SY | >5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 4.86 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0017 | SY | >10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 4.67 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0018 | SY | >20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 4.52 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0019 | SY | >50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 4.43 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |

### 32 12 36 13-0020 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)

*(32 12 36 13-0001)*

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

| | | | | |
|---|---|---|---|---|
| 32 12 36 13-0021 | SY | Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 6.93 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0022 | SY | >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 6.30 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0023 | SY | >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 5.99 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0024 | SY | >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 5.62 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0025 | SY | >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 5.43 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0026 | SY | >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 5.17 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0027 | SY | >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 4.98 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0028 | SY | >50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 4.89 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |

### 32 12 36 13-0029 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)

*(32 12 36 13-0001)*

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

| | | | | |
|---|---|---|---|---|
| 32 12 36 13-0030 | SY | Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 7.01 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0031 | SY | >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 6.37 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0032 | SY | >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 6.06 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0033 | SY | >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 5.71 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0034 | SY | >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 5.51 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0035 | SY | >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 5.34 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0036 | SY | >20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 5.07 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0037 | SY | >50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 4.97 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 12 36 13-0038 | | **Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)** *(32 12 36 13-0001)* Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY. | | |
| 32 12 36 13-0039 | SY | Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 10.59 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.47* | |
| 32 12 36 13-0040 | SY | >200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 9.76 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.47* | |
| 32 12 36 13-0041 | SY | >500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 9.31 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.47* | |
| 32 12 36 13-0042 | SY | >1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 8.78 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.47* | |
| 32 12 36 13-0043 | SY | >5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 8.49 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.47* | |
| 32 12 36 13-0044 | SY | >10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 8.15 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.47* | |
| 32 12 36 13-0045 | SY | >20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 7.88 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.47* | |
| 32 12 36 13-0046 | SY | >50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) | 7.74 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.47* | |
| 32 12 36 13-0047 | | **Asphalt Emulsion Seal Coat (Scrub Seal)** *(32 12 36 13)* Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal. | | |
| 32 12 36 13-0048 | | **Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)** *(32 12 36 13-0047)* Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY. | | |
| 32 12 36 13-0049 | SY | Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.79 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0050 | SY | >200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.52 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0051 | SY | >500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.31 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0052 | SY | >1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.10 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0053 | SY | >5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.00 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0054 | SY | >10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 3.89 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0055 | SY | >20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 3.79 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0056 | SY | >50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 3.74 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.60* | |
| 32 12 36 13-0057 | | **Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)** *(32 12 36 13-0047)* Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY. | | |
| 32 12 36 13-0058 | SY | Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 5.69 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0059 | SY | >200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 5.35 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0060 | SY | >500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 5.13 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0061 | SY | >1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.98 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0062 | SY | >5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.68 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0063 | SY | >10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.50 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0064 | SY | >20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.35 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0065 | SY | >50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.30 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.74* | |
| 32 12 36 13-0066 | | **Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)** *(32 12 36 13-0047)* Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY. | | |
| 32 12 36 13-0067 | SY | Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 6.51 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0068 | SY | >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 6.09 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0069 | SY | >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 5.78 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0070 | SY | >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 5.44 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0071 | SY | >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 5.25 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0072 | SY | >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.99 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 12 36 13-0073 | SY | >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.82 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |
| 32 12 36 13-0074 | SY | >50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.75 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *0.89* | |

### 32 12 36 13-0075 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)

*(32 12 36 13-0047)*

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

| | | | | |
|---|---|---|---|---|
| 32 12 36 13-0076 | SY | Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 6.60 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0077 | SY | >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 6.18 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0078 | SY | >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 5.86 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0079 | SY | >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 5.50 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0080 | SY | >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 5.32 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0081 | SY | >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 5.16 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0082 | SY | >20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.92 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |
| 32 12 36 13-0083 | SY | >50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) | 4.85 | |
| | | *For Each Additional 0.5% Latex Additive, Add* | *1.02* | |

### 32 12 36 13-0084 Fog Seal, CQS-1h *(32 12 36 13)*

Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.

| | | | |
|---|---|---|---|
| 32 12 36 13-0085 | SY | Up To 200 SY, CQS-1h, Fog Seal | 1.97 |
| 32 12 36 13-0086 | SY | >200 To 500 SY, CQS-1h, Fog Seal | 1.44 |
| 32 12 36 13-0087 | SY | >500 To 1,000 SY, CQS-1h, Fog Seal | 1.22 |
| 32 12 36 13-0088 | SY | >1,000 To 5,000 SY, CQS-1h, Fog Seal | 1.06 |
| 32 12 36 13-0089 | SY | >5,000 To 10,000 SY, CQS-1h, Fog Seal | 0.97 |
| 32 12 36 13-0090 | SY | >10,000 To 20,000 SY, CQS-1h, Fog Seal | 0.89 |
| 32 12 36 13-0091 | SY | >20,000 To 50,000 SY, CQS-1h, Fog Seal | 0.83 |
| 32 12 36 13-0092 | SY | >50,000 SY, CQS-1h, Fog Seal | 0.81 |

### 32 12 36 13-0093 Sand Sealer *(32 12 36 13)*

Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.

| | | | |
|---|---|---|---|
| 32 12 36 13-0094 | SY | Up To 200 SY, Sand Seal | 2.86 |
| 32 12 36 13-0095 | SY | >200 To 500 SY, Sand Seal | 1.90 |
| 32 12 36 13-0096 | SY | >500 To 1,000 SY, Sand Seal | 1.88 |
| 32 12 36 13-0097 | SY | >1,000 To 5,000 SY, Sand Seal | 1.66 |
| 32 12 36 13-0098 | SY | >5,000 To 10,000 SY, Sand Seal | 1.54 |
| 32 12 36 13-0099 | SY | >10,000 To 20,000 SY, Sand Seal | 1.45 |
| 32 12 36 13-0100 | SY | >20,000 To 50,000 SY, Sand Seal | 1.37 |
| 32 12 36 13-0101 | SY | >50,000 SY, Sand Seal | 1.35 |

## 32 12 36 16 Coal Tar Seal Coats *(32 12 36)*

### 32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal *(32 12 36 16)*

Note: Includes sweeping and cleaning of area.

| | | | |
|---|---|---|---|
| 32 12 36 16-0002 | SY | Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal | 16.67 |
| 32 12 36 16-0003 | SY | >500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal | 15.70 |
| 32 12 36 16-0004 | SY | >1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal | 13.86 |
| 32 12 36 16-0005 | SY | >5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal | 12.46 |
| 32 12 36 16-0006 | SY | >20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal | 10.60 |
| 32 12 36 16-0007 | SY | >50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal | 8.75 |
| 32 12 36 16-0008 | SY | Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal | 20.31 |
| 32 12 36 16-0009 | SY | >500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal | 19.22 |
| 32 12 36 16-0010 | SY | >1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal | 17.00 |
| 32 12 36 16-0011 | SY | >5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal | 15.35 |
| 32 12 36 16-0012 | SY | >20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal | 13.11 |
| 32 12 36 16-0013 | SY | >50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal | 10.89 |

## 32 12 36 23 Fuel-Resistant Sealers *(32 12 36)*

### 32 12 36 23-0001 Guardtop Seal Coat *(32 12 36 23)*

Note: Includes sweeping and cleaning of area.

| | | | |
|---|---|---|---|
| 32 12 36 23-0002 | SY | GuardTop® Asphalt Based Sealcoat (Two Coats) | 3.28 |
| | | *For 3% Polyglass Additive, Add* | *0.40* |
| | | *For 6% Polyglass Additive, Add* | *0.72* |
| | | *For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add* | *0.27* |
| 32 12 36 23-0003 | LF | GuardTop® Cold Pour Crack Filler | 1.36 |
| 32 12 36 23-0004 | LF | GuardTop® Hot Pour Crack Filler | 1.55 |
| 32 12 36 23-0005 | SY | GuardTop® Oil Spot Primer For Asphalt | 6.08 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 12 36 23-0006 | SY | GuardTop® Ultra, Polymer Modified, Asphalt Based Sealcoat (Two Coats) | 4.37 | |
| | | *For 3% Polyglass Additive, Add* | *0.40* | |
| | | *For 6% Polyglass Additive, Add* | *0.72* | |
| | | *For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add* | *0.27* | |

### 32 12 43 Porous Flexible Paving *(32 12)*

32 12 43 00-0001 Flexible Recycled Plastic Porous Grid *(32 12 43)*

Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod.

| | | | | |
|---|---|---|---|---|
| 32 12 43 00-0002 | SY | 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill<br>Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod. Invisible Structures, Inc.; Grasspave2. | 39.10 | |
| | | *For Up To 100, Add* | *12.95* | |
| | | *For >100 To 500, Add* | *3.22* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.27* | |
| | | *For >5,000, Deduct* | *-2.69* | |

### 32 12 73 Asphalt Paving Joint Sealants *(32 12)*

32 12 73 00-0001 Expansion Joint In Sidewalk *(32 12 73)*

| | | | | |
|---|---|---|---|---|
| 32 12 73 00-0002 | LF | For Hot Asphalt Poured Over Expansion Joint In Sidewalk | 3.60 | |

## 32 13 Rigid Paving *(32 10)*

### 32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

#### 32 13 13 33 Plain Concrete Paving *(32 13 13)*

32 13 13 33-0001 Concrete Paving Assemblies *(32 13 13 33)*

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly *(32 13 13 33-0001)*

| | | | | |
|---|---|---|---|---|
| 32 13 13 33-0003 | SY | 4" 4,500 PSI Concrete Paving Assembly | 65.13 | |
| | | *For 2,500 PSI Concrete, Deduct* | *-3.82* | |
| | | *For 3,000 PSI Concrete, Deduct* | *-2.49* | |
| | | *For 3,500 PSI Concrete, Deduct* | *-1.99* | |
| | | *For 4,000 PSI Concrete, Deduct* | *-0.86* | |
| | | *For 5,000 PSI Concrete, Add* | *0.53* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *4.31* | |
| | | *For <12' Wide Pass, Add* | *11.30* | |
| | | *For 24' Or Greater Wide Pass, Deduct* | *-13.03* | |
| | | *For Air Entrainment, Add* | *1.66* | |
| | | *For Slipforming, Deduct* | *-6.51* | |
| | | *For Up To 100, Add* | *25.80* | |
| | | *For >100 To 250, Add* | *14.56* | |
| | | *For >250 To 500, Add* | *7.28* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.66* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.29* | |
| | | *For >5,000 To 10,000, Deduct* | *-4.92* | |
| | | *For >10,000 To 20,000, Deduct* | *-6.54* | |
| | | *For >20,000, Deduct* | *-8.17* | |
| 32 13 13 33-0004 | SY | 5" 4,500 PSI Concrete Paving Assembly | 77.15 | |
| | | *For 2,500 PSI Concrete, Deduct* | *-4.79* | |
| | | *For 3,000 PSI Concrete, Deduct* | *-3.12* | |
| | | *For 3,500 PSI Concrete, Deduct* | *-2.50* | |
| | | *For 4,000 PSI Concrete, Deduct* | *-1.08* | |
| | | *For 5,000 PSI Concrete, Add* | *0.67* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *5.42* | |
| | | *For <12' Wide Pass, Add* | *13.04* | |
| | | *For 24' Or Greater Wide Pass, Deduct* | *-15.43* | |
| | | *For Air Entrainment, Add* | *2.08* | |
| | | *For Slipforming, Deduct* | *-7.72* | |
| | | *For Up To 100, Add* | *29.63* | |
| | | *For >100 To 250, Add* | *16.90* | |
| | | *For >250 To 500, Add* | *8.45* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.08* | |
| | | *For >2,000 To 5,000, Deduct* | *-4.01* | |
| | | *For >5,000 To 10,000, Deduct* | *-5.94* | |
| | | *For >10,000 To 20,000, Deduct* | *-7.87* | |
| | | *For >20,000, Deduct* | *-9.80* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 13 13 33-0005 | SY | 6" 4,500 PSI Concrete Paving Assembly | 82.39 | |
| | | *For 2,500 PSI Concrete, Deduct* | *-5.05* | |
| | | *For 3,000 PSI Concrete, Deduct* | *-3.30* | |
| | | *For 3,500 PSI Concrete, Deduct* | *-2.64* | |
| | | *For 4,000 PSI Concrete, Deduct* | *-1.14* | |
| | | *For 5,000 PSI Concrete, Add* | *0.70* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *5.71* | |
| | | *For <12' Wide Pass, Add* | *14.01* | |
| | | *For 24' Or Greater Wide Pass, Deduct* | *-16.48* | |
| | | *For Air Entrainment, Add* | *2.20* | |
| | | *For Slipforming, Deduct* | *-8.24* | |
| | | *For Up To 100, Add* | *31.86* | |
| | | *For >100 To 250, Add* | *18.13* | |
| | | *For >250 To 500, Add* | *9.06* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.20* | |
| | | *For >2,000 To 5,000, Deduct* | *-4.26* | |
| | | *For >5,000 To 10,000, Deduct* | *-6.32* | |
| | | *For >10,000 To 20,000, Deduct* | *-8.38* | |
| | | *For >20,000, Deduct* | *-10.44* | |
| 32 13 13 33-0006 | SY | 7" 4,500 PSI Concrete Paving Assembly | 98.00 | |
| | | *For 2,500 PSI Concrete, Deduct* | *-6.37* | |
| | | *For 3,000 PSI Concrete, Deduct* | *-4.16* | |
| | | *For 3,500 PSI Concrete, Deduct* | *-3.32* | |
| | | *For 4,000 PSI Concrete, Deduct* | *-1.44* | |
| | | *For 5,000 PSI Concrete, Add* | *0.89* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *7.20* | |
| | | *For <12' Wide Pass, Add* | *16.19* | |
| | | *For 24' Or Greater Wide Pass, Deduct* | *-19.60* | |
| | | *For Air Entrainment, Add* | *2.77* | |
| | | *For Slipforming, Deduct* | *-9.80* | |
| | | *For Up To 100, Add* | *36.64* | |
| | | *For >100 To 250, Add* | *21.09* | |
| | | *For >250 To 500, Add* | *10.54* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.77* | |
| | | *For >2,000 To 5,000, Deduct* | *-5.22* | |
| | | *For >5,000 To 10,000, Deduct* | *-7.67* | |
| | | *For >10,000 To 20,000, Deduct* | *-10.12* | |
| | | *For >20,000, Deduct* | *-12.57* | |
| 32 13 13 33-0007 | SY | 8" 4,500 PSI Concrete Paving Assembly | 111.93 | |
| | | *For 2,500 PSI Concrete, Deduct* | *-6.99* | |
| | | *For 3,000 PSI Concrete, Deduct* | *-4.56* | |
| | | *For 3,500 PSI Concrete, Deduct* | *-3.65* | |
| | | *For 4,000 PSI Concrete, Deduct* | *-1.58* | |
| | | *For 5,000 PSI Concrete, Add* | *0.97* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *7.91* | |
| | | *For <12' Wide Pass, Add* | *18.86* | |
| | | *For 24' Or Greater Wide Pass, Deduct* | *-22.39* | |
| | | *For Air Entrainment, Add* | *3.04* | |
| | | *For Slipforming, Deduct* | *-11.19* | |
| | | *For Up To 100, Add* | *42.83* | |
| | | *For >100 To 250, Add* | *24.46* | |
| | | *For >250 To 500, Add* | *12.23* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.04* | |
| | | *For >2,000 To 5,000, Deduct* | *-5.84* | |
| | | *For >5,000 To 10,000, Deduct* | *-8.64* | |
| | | *For >10,000 To 20,000, Deduct* | *-11.44* | |
| | | *For >20,000, Deduct* | *-14.23* | |
| 32 13 13 33-0008 | SY | 9" 4,500 PSI Concrete Paving Assembly | 126.71 | |
| | | *For 2,500 PSI Concrete, Deduct* | *-8.08* | |
| | | *For 3,000 PSI Concrete, Deduct* | *-5.27* | |
| | | *For 3,500 PSI Concrete, Deduct* | *-4.22* | |
| | | *For 4,000 PSI Concrete, Deduct* | *-1.83* | |
| | | *For 5,000 PSI Concrete, Add* | *1.12* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *9.14* | |
| | | *For <12' Wide Pass, Add* | *21.14* | |
| | | *For 24' Or Greater Wide Pass, Deduct* | *-25.34* | |
| | | *For Air Entrainment, Add* | *3.51* | |
| | | *For Slipforming, Deduct* | *-12.67* | |
| | | *For Up To 100, Add* | *47.91* | |
| | | *For >100 To 250, Add* | *27.47* | |
| | | *For >250 To 500, Add* | *13.74* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.51* | |
| | | *For >2,000 To 5,000, Deduct* | *-6.68* | |
| | | *For >5,000 To 10,000, Deduct* | *-9.85* | |
| | | *For >10,000 To 20,000, Deduct* | *-13.02* | |
| | | *For >20,000, Deduct* | *-16.19* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 13 13 33-0009 | SY | 10" 4,500 PSI Concrete Paving Assembly | 141.19 | |
| | | *For 2,500 PSI Concrete, Deduct* | *-8.89* | |
| | | *For 3,000 PSI Concrete, Deduct* | *-5.80* | |
| | | *For 3,500 PSI Concrete, Deduct* | *-4.64* | |
| | | *For 4,000 PSI Concrete, Deduct* | *-2.01* | |
| | | *For 5,000 PSI Concrete, Add* | *1.24* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *10.05* | |
| | | *For <12' Wide Pass, Add* | *23.70* | |
| | | *For 24' Or Greater Wide Pass, Deduct* | *-28.24* | |
| | | *For Air Entrainment, Add* | *3.87* | |
| | | *For Slipforming, Deduct* | *-14.12* | |
| | | *For Up To 100, Add* | *53.79* | |
| | | *For >100 To 250, Add* | *30.76* | |
| | | *For >250 To 500, Add* | *15.38* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.87* | |
| | | *For >2,000 To 5,000, Deduct* | *-7.40* | |
| | | *For >5,000 To 10,000, Deduct* | *-10.93* | |
| | | *For >10,000 To 20,000, Deduct* | *-14.45* | |
| | | *For >20,000, Deduct* | *-17.98* | |
| 32 13 13 33-0010 | SY | 12" 4,500 PSI Concrete Paving Assembly | 168.21 | |
| | | *For 2,500 PSI Concrete, Deduct* | *-10.53* | |
| | | *For 3,000 PSI Concrete, Deduct* | *-6.87* | |
| | | *For 3,500 PSI Concrete, Deduct* | *-5.49* | |
| | | *For 4,000 PSI Concrete, Deduct* | *-2.38* | |
| | | *For 5,000 PSI Concrete, Add* | *1.46* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *11.90* | |
| | | *For <12' Wide Pass, Add* | *28.32* | |
| | | *For 24' Or Greater Wide Pass, Deduct* | *-33.64* | |
| | | *For Air Entrainment, Add* | *4.58* | |
| | | *For Slipforming, Deduct* | *-16.82* | |
| | | *For Up To 100, Add* | *64.31* | |
| | | *For >100 To 250, Add* | *36.73* | |
| | | *For >250 To 500, Add* | *18.37* | |
| | | *For >1,000 To 2,000, Deduct* | *-4.58* | |
| | | *For >2,000 To 5,000, Deduct* | *-8.78* | |
| | | *For >5,000 To 10,000, Deduct* | *-12.99* | |
| | | *For >10,000 To 20,000, Deduct* | *-17.19* | |
| | | *For >20,000, Deduct* | *-21.40* | |
| 32 13 13 33-0011 | SY | 15" 4,500 PSI Concrete Paving Assembly | 214.17 | |
| | | *For 2,500 PSI Concrete, Deduct* | *-12.93* | |
| | | *For 3,000 PSI Concrete, Deduct* | *-8.43* | |
| | | *For 3,500 PSI Concrete, Deduct* | *-6.75* | |
| | | *For 4,000 PSI Concrete, Deduct* | *-2.92* | |
| | | *For 5,000 PSI Concrete, Add* | *1.80* | |
| | | *For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add* | *14.61* | |
| | | *For <12' Wide Pass, Add* | *36.68* | |
| | | *For 24' Or Greater Wide Pass, Deduct* | *-42.83* | |
| | | *For Air Entrainment, Add* | *5.62* | |
| | | *For Slipforming, Deduct* | *-21.42* | |
| | | *For Up To 100, Add* | *83.53* | |
| | | *For >100 To 250, Add* | *47.39* | |
| | | *For >250 To 500, Add* | *23.69* | |
| | | *For >1,000 To 2,000, Deduct* | *-5.62* | |
| | | *For >2,000 To 5,000, Deduct* | *-10.98* | |
| | | *For >5,000 To 10,000, Deduct* | *-16.33* | |
| | | *For >10,000 To 20,000, Deduct* | *-21.68* | |
| | | *For >20,000, Deduct* | *-27.04* | |

## 32 13 16 Decorative Concrete Paving *(32 13)*

### 32 13 16 13 Patterned Concrete Paving *(32 13 16)*

See CSI section 32 17 26 00-0000 for tactile warning surfaces.

| | | | | |
|---|---|---|---|---|
| 32 13 16 13-0001 | SF | For Patterned (Tactile) Finish In Concrete Sidewalk | 5.08 | |

## 32 13 43 Pervious Concrete Paving *(32 13)*

### 32 13 43 00-0001 Pervious Concrete Assemblies *(32 13 43)*

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

| | | | | |
|---|---|---|---|---|
| 32 13 43 00-0002 | SF | 6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving<br>Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing. | 19.01 | |
| | | *For >5,000 To 30,000, Deduct* | *-2.03* | |
| | | *For >30,000 To 100,000, Deduct* | *-3.72* | |
| | | *For >100,000, Deduct* | *-4.62* | |
| 32 13 43 00-0003 | SF | 9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving<br>Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing. | 24.11 | |
| | | *For >5,000 To 30,000, Deduct* | *-2.51* | |
| | | *For >30,000 To 100,000, Deduct* | *-4.50* | |
| | | *For >100,000, Deduct* | *-5.59* | |

## 32 13 73 Concrete Paving Joint Sealants *(32 13)*


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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| **32 13 73 13** | | | **Fuel-Resistant Concrete Paving Joint Sealants** *(32 13 73)* | | |
| 32 13 73 13-0001 | | | Concrete Pavement Joint And Crack Repair *(32 13 73 13)*<br>Note: Includes cutting joint, removal of existing material, sweeping and cleaning area. | | |
| 32 13 73 13-0002 | | | Silicone Concrete Pavement Joint And Crack Repair *(32 13 73 13-0001)* | | |
| | 32 13 73 13-0003 | CLF | 1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair | 658.07 | |
| | | | *For Custom Match Coloring, Add* | *21.94* | |
| | | | *For 1 Part Mildew Resistant, Add* | *31.99* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *18.28* | |
| | 32 13 73 13-0004 | CLF | 1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair | 741.54 | |
| | | | *For Custom Match Coloring, Add* | *32.91* | |
| | | | *For 1 Part Mildew Resistant, Add* | *47.99* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *27.42* | |
| | 32 13 73 13-0005 | CLF | 1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair | 825.04 | |
| | | | *For Custom Match Coloring, Add* | *43.88* | |
| | | | *For 1 Part Mildew Resistant, Add* | *63.99* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *36.56* | |
| | 32 13 73 13-0006 | CLF | 3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair | 847.89 | |
| | | | *For Custom Match Coloring, Add* | *49.36* | |
| | | | *For 1 Part Mildew Resistant, Add* | *71.98* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *41.13* | |
| | 32 13 73 13-0007 | CLF | 3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair | 935.32 | |
| | | | *For Custom Match Coloring, Add* | *65.81* | |
| | | | *For 1 Part Mildew Resistant, Add* | *95.98* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *54.84* | |
| | 32 13 73 13-0008 | CLF | 3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair | 1,022.77 | |
| | | | *For Custom Match Coloring, Add* | *82.27* | |
| | | | *For 1 Part Mildew Resistant, Add* | *119.97* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *68.56* | |
| | 32 13 73 13-0009 | CLF | 3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair | 1,129.11 | |
| | | | *For Custom Match Coloring, Add* | *98.72* | |
| | | | *For 1 Part Mildew Resistant, Add* | *143.97* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *82.27* | |
| | 32 13 73 13-0010 | CLF | 1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair | 1,045.62 | |
| | | | *For Custom Match Coloring, Add* | *87.75* | |
| | | | *For 1 Part Mildew Resistant, Add* | *127.97* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *73.13* | |
| | 32 13 73 13-0011 | CLF | 1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair | 1,212.58 | |
| | | | *For Custom Match Coloring, Add* | *109.69* | |
| | | | *For 1 Part Mildew Resistant, Add* | *159.96* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *91.41* | |
| | 32 13 73 13-0012 | CLF | 1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair | 1,341.77 | |
| | | | *For Custom Match Coloring, Add* | *131.63* | |
| | | | *For 1 Part Mildew Resistant, Add* | *191.96* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *109.69* | |
| | 32 13 73 13-0013 | CLF | 1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair | 1,470.95 | |
| | | | *For Custom Match Coloring, Add* | *153.57* | |
| | | | *For 1 Part Mildew Resistant, Add* | *223.95* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *127.97* | |
| | 32 13 73 13-0014 | CLF | 1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair | 1,581.25 | |
| | | | *For Custom Match Coloring, Add* | *175.50* | |
| | | | *For 1 Part Mildew Resistant, Add* | *255.94* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *146.25* | |
| | 32 13 73 13-0015 | CLF | 3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair | 1,691.54 | |
| | | | *For Custom Match Coloring, Add* | *197.44* | |
| | | | *For 1 Part Mildew Resistant, Add* | *287.93* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *164.53* | |
| | 32 13 73 13-0016 | CLF | 3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair | 2,049.26 | |
| | | | *For Custom Match Coloring, Add* | *274.22* | |
| | | | *For 1 Part Mildew Resistant, Add* | *399.91* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *228.52* | |
| | 32 13 73 13-0017 | CLF | 1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair | 2,406.96 | |
| | | | *For Custom Match Coloring, Add* | *351.01* | |
| | | | *For 1 Part Mildew Resistant, Add* | *511.89* | |
| | | | *For High-Modulus Non-Acid Curing, Add* | *292.51* | |
| **32 13 73 16** | | | **Field-Molded Concrete Paving Joint Sealants** *(32 13 73)* | | |
| 32 13 73 16-0001 | | | Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)*<br>Note: Includes cutting joint, removal of existing material, sweeping and cleaning area. | | |
| | 32 13 73 16-0002 | LF | Joint Sealing, Concrete Pavement Preformed Elastomeric | 14.89 | |
| **32 13 73 19** | | | **Compression Concrete Paving Joint Sealants** *(32 13 73)* | | |
| 32 13 73 19-0001 | | | Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)*<br>Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting. | | |
| | 32 13 73 19-0002 | LF | 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement | 12.21 | 2.80 |
| | 32 13 73 19-0003 | LF | 3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement | 12.87 | 2.87 |
| | 32 13 73 19-0004 | LF | 1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement | 13.79 | 2.92 |
| | 32 13 73 19-0005 | LF | 3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement | 16.82 | 2.98 |
| | 32 13 73 19-0006 | LF | 1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement | 19.90 | 3.04 |

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 32 13 73 19-0007 | LF | 1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement | | 25.92 | 3.10 |
| 32 13 73 19-0008 | LF | 2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement | | 39.31 | 3.16 |

# 32 14 Unit Paving *(32 10)*

## 32 14 09 Paver Restraints *(32 14)*

### 32 14 09 00-0001 Paver Restraints *(32 14 09)*

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

| | | | | | |
|---|---|---|---|---|---|
| 32 14 09 00-0002 | LF | Up To 2" Height, Vinyl Paver Restraint | | 5.40 | 1.26 |
| | | *For >1,000 To 2,000, Deduct* | | *-0.75* | |
| | | *For >2,000 To 4,000, Deduct* | | *-1.09* | |
| | | *For >4,000, Deduct* | | *-1.39* | |
| 32 14 09 00-0003 | LF | Up To 2" Height, Galvanized Steel Paver Restraint | | 5.85 | 1.26 |
| | | *For >500 To 1,000, Deduct* | | *-0.19* | |
| | | *For >1,000 To 2,000, Deduct* | | *-0.39* | |
| | | *For >2,000, Deduct* | | *-0.58* | |
| 32 14 09 00-0004 | LF | Up To 1" Height, Aluminum Paver Restraint | | 5.63 | 1.26 |
| | | *For >250 To 500, Deduct* | | *-0.36* | |
| | | *For >500 To 1,000, Deduct* | | *-0.54* | |
| | | *For >1,000 To 1,500, Deduct* | | *-0.91* | |
| 32 14 09 00-0005 | LF | >1" To 2" Height, Aluminum Paver Restraint | | 6.64 | 1.26 |
| | | *For >250 To 500, Deduct* | | *-0.46* | |
| | | *For >500 To 1,000, Deduct* | | *-0.70* | |
| | | *For >1,000 To 1,500, Deduct* | | *-1.16* | |
| 32 14 09 00-0006 | LF | >2" To 3" Height, Aluminum Paver Restraint | | 8.60 | 1.26 |
| | | *For >250 To 500, Deduct* | | *-0.66* | |
| | | *For >500 To 1,000, Deduct* | | *-0.99* | |
| | | *For >1,000 To 1,500, Deduct* | | *-1.65* | |
| 32 14 09 00-0007 | LF | >3" To 4" Height, Aluminum Paver Restraint | | 10.10 | 1.26 |
| | | *For >250 To 500, Deduct* | | *-0.81* | |
| | | *For >500 To 1,000, Deduct* | | *-1.22* | |
| | | *For >1,000 To 1,500, Deduct* | | *-2.03* | |

## 32 14 11 Bedding for Unit Paving *(32 14)*

### 32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk *(32 14 11)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

| | | | | | |
|---|---|---|---|---|---|
| 32 14 11 00-0002 | SF | 1" To 2" Screeded Sand Bedding | | 1.04 | |
| | | *For Up To 100, Add* | | *0.46* | |
| | | *For >100 To 500, Add* | | *0.13* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.08* | |
| | | *For >5,000, Deduct* | | *-0.13* | |
| 32 14 11 00-0003 | SF | 1" To 2" Screeded Stone Dust Bedding | | 1.23 | |
| | | *For Up To 100, Add* | | *0.51* | |
| | | *For >100 To 500, Add* | | *0.14* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.08* | |
| | | *For >5,000, Deduct* | | *-0.13* | |
| 32 14 11 00-0004 | SF | 3" Screeded Stone Dust Bedding | | 1.59 | |
| | | *For Up To 100, Add* | | *0.64* | |
| | | *For >100 To 500, Add* | | *0.17* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.10* | |
| | | *For >5,000, Deduct* | | *-0.16* | |
| 32 14 11 00-0005 | SF | 4" Screeded Stone Dust Bedding | | 2.02 | |
| | | *For Up To 100, Add* | | *0.80* | |
| | | *For >100 To 500, Add* | | *0.22* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.12* | |
| | | *For >5,000, Deduct* | | *-0.20* | |
| 32 14 11 00-0006 | SF | 1" Mortar Bedding | | 3.34 | |
| | | *For Up To 100, Add* | | *1.50* | |
| | | *For >100 To 500, Add* | | *0.43* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.26* | |
| | | *For >5,000, Deduct* | | *-0.42* | |
| 32 14 11 00-0007 | SF | 2" Mortar Bedding | | 4.92 | |
| | | *For Up To 100, Add* | | *2.11* | |
| | | *For >100 To 500, Add* | | *0.60* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.35* | |
| | | *For >5,000, Deduct* | | *-0.57* | |
| 32 14 11 00-0008 | SF | Thin-Set Latex Portland Cement Mortar | | 1.65 | |
| | | *For Up To 100, Add* | | *0.77* | |
| | | *For >100 To 500, Add* | | *0.22* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.14* | |
| | | *For >5,000, Deduct* | | *-0.22* | |

## 32 14 13 Precast Concrete Unit Paving *(32 14)*

### 32 14 13 16 Precast Concrete Unit Paving Slabs *(32 14 13)*


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 14 13 16-0001 | | **Precast Concrete Paver Sidewalk** *(32 14 13 16)*<br>Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding. | | |
| 32 14 13 16-0002 | SF | 2-3/8" Thick, Up To 32 SI Precast Concrete Paver<br>Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers. | 12.23 | 3.29 |
| | | *For 2-3/4" Concrete Paver, Add* | *1.17* | |
| | | *For 3-1/8" Concrete Paver, Add* | *1.90* | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | *0.94* | |
| | | *For Up To 100, Add* | *4.71* | |
| | | *For >100 To 500, Add* | *1.27* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.66* | |
| | | *For >5,000, Deduct* | *-1.16* | |
| 32 14 13 16-0003 | SF | 2-3/8" Thick, >32 to 64 SI Precast Concrete Paver<br>Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers. | 11.64 | 3.00 |
| | | *For 2-3/4" Concrete Paver, Add* | *1.15* | |
| | | *For 3-1/8" Concrete Paver, Add* | *1.86* | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | *0.88* | |
| | | *For Up To 100, Add* | *4.41* | |
| | | *For >100 To 500, Add* | *1.18* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.60* | |
| | | *For >5,000, Deduct* | *-1.07* | |
| 32 14 13 16-0004 | SF | 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver<br>Note: Includes 6" x 12", 12" x 12" and other similar size pavers. | 11.08 | 2.38 |
| | | *For 2-3/4" Concrete Paver, Add* | *1.12* | |
| | | *For 3-1/8" Concrete Paver, Add* | *1.82* | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | *0.83* | |
| | | *For Up To 100, Add* | *4.13* | |
| | | *For >100 To 500, Add* | *1.10* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.55* | |
| | | *For >5,000, Deduct* | *-0.99* | |
| 32 14 13 16-0005 | SF | 2-3/8" Thick, >144 SI Precast Concrete Paver<br>Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers. | 10.59 | 2.48 |
| | | *For 2-3/4" Concrete Paver, Add* | *1.09* | |
| | | *For 3-1/8" Concrete Paver, Add* | *1.78* | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | *0.78* | |
| | | *For Up To 100, Add* | *3.89* | |
| | | *For >100 To 500, Add* | *1.03* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.50* | |
| | | *For >5,000, Deduct* | *-0.91* | |
| 32 14 13 16-0006 | SF | 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns<br>Note: Patterns made by combining pavers from two or more size groups. | 11.35 | 2.85 |
| | | *For 2-3/4" Concrete Paver, Add* | *1.13* | |
| | | *For 3-1/8" Concrete Paver, Add* | *1.84* | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | *0.85* | |
| | | *For Up To 100, Add* | *4.27* | |
| | | *For >100 To 500, Add* | *1.14* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.57* | |
| | | *For >5,000, Deduct* | *-1.03* | |
| **32 14 13 19** | | **Porous Precast Concrete Unit Paving** *(32 14 13)* | | |
| 32 14 13 19-0001 | | **Turf Block** *(32 14 13 19)*<br>Note: Grass grid, open-cell unit paver, geoblock. | | |
| 32 14 13 19-0002 | SF | 3-1/8" Thick, Precast Concrete Turf Block | 12.59 | 2.85 |
| | | *For Up To 100, Add* | *4.58* | |
| | | *For >100 To 500, Add* | *1.20* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.57* | |
| | | *For >5,000, Deduct* | *-1.06* | |
| **32 14 16** | | **Brick Unit Paving** *(32 14)* | | |
| 32 14 16 00-0001 | | **Brick Paver Sidewalk** *(32 14 16)*<br>Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding. | | |
| 32 14 16 00-0002 | SF | 4" x 8" x 2-1/4" Brick Paver, Laid Flat | 15.63 | 3.29 |
| | | *For 1-3/8" Thick Paver, Deduct* | *-3.49* | |
| | | *For 2-3/4" Thick Paver (Vehicular), Add* | *8.04* | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | *1.11* | |
| | | *For Up To 100, Add* | *5.56* | |
| | | *For >100 To 500, Add* | *1.44* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.66* | |
| | | *For >5,000, Deduct* | *-1.26* | |
| 32 14 16 00-0003 | SF | 4" x 8" x 2-1/4" Brick, Laid On Edge | 23.57 | 3.76 |
| | | *For 1-3/8" Thick Paver, Deduct* | *-6.00* | |
| | | *For 2-3/4" Thick Paver (Vehicular), Add* | *14.08* | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | *1.55* | |
| | | *For Up To 100, Add* | *7.77* | |
| | | *For >100 To 500, Add* | *1.93* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.75* | |
| | | *For >5,000, Deduct* | *-1.61* | |
| **32 14 33** | | **Plastic Paving** *(32 14)* | | |

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| **32 14 33 13** | | **Permeable Plastic Paving** *(32 14 33)* | | | |
| 32 14 33 13-0001 | | Turf Block Plastic Paving *(32 14 33 13)* | | | |
| 32 14 33 13-0002 | SF | 4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block | | 19.35 | 2.85 |
| | | *For Up To 100, Add* | | *6.27* | |
| | | *For >100 To 500, Add* | | *1.54* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.57* | |
| | | *For >5,000, Deduct* | | *-1.27* | |
| **32 14 40** | | **Stone Paving** *(32 14)* | | | |
| 32 14 40 00-0001 | | Slate Paver Sidewalk *(32 14 40)* | | | |
| | | Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding. | | | |
| 32 14 40 00-0002 | SF | 1" Thick, Up to 54 SI Slate Paver | | 16.29 | 2.73 |
| | | Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers. | | | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | | *1.09* | |
| | | *For 1/4" Thick Paver, Deduct* | | *-8.30* | |
| | | *For 1/2" Thick Paver, Deduct* | | *-5.80* | |
| | | *For Up To 100, Add* | | *5.44* | |
| | | *For >100 To 500, Add* | | *1.36* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.55* | |
| | | *For >5,000, Deduct* | | *-1.14* | |
| 32 14 40 00-0003 | SF | 1" Thick, >54 to 108 SI Slate Paver | | 15.80 | 2.48 |
| | | Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. | | | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | | *1.04* | |
| | | *For 1/4" Thick Paver, Deduct* | | *-8.18* | |
| | | *For 1/2" Thick Paver, Deduct* | | *-5.73* | |
| | | *For Up To 100, Add* | | *5.19* | |
| | | *For >100 To 500, Add* | | *1.29* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.50* | |
| | | *For >5,000, Deduct* | | *-1.07* | |
| 32 14 40 00-0004 | SF | 1" Thick, >108 to 216 SI Slate Paver | | 14.94 | 2.05 |
| | | Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. | | | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | | *0.95* | |
| | | *For 1/4" Thick Paver, Deduct* | | *-7.96* | |
| | | *For 1/2" Thick Paver, Deduct* | | *-5.60* | |
| | | *For Up To 100, Add* | | *4.76* | |
| | | *For >100 To 500, Add* | | *1.16* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.41* | |
| | | *For >5,000, Deduct* | | *-0.94* | |
| 32 14 40 00-0005 | SF | 1" Thick, >216 SI Slate Paver | | 14.57 | 1.86 |
| | | Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers. | | | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | | *0.92* | |
| | | *For 1/4" Thick Paver, Deduct* | | *-7.87* | |
| | | *For 1/2" Thick Paver, Deduct* | | *-5.55* | |
| | | *For Up To 100, Add* | | *4.58* | |
| | | *For >100 To 500, Add* | | *1.10* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.37* | |
| | | *For >5,000, Deduct* | | *-0.88* | |
| 32 14 40 00-0006 | SF | 1" Thick, Slate Paver, Combinations And Patterns | | 15.33 | 2.24 |
| | | Note: Patterns made by combining pavers from two or more size groups. | | | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | | *0.99* | |
| | | *For 1/4" Thick Paver, Deduct* | | *-8.06* | |
| | | *For 1/2" Thick Paver, Deduct* | | *-5.66* | |
| | | *For Up To 100, Add* | | *4.96* | |
| | | *For >100 To 500, Add* | | *1.22* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.45* | |
| | | *For >5,000, Deduct* | | *-1.00* | |
| 32 14 40 00-0007 | | Granite Paver Sidewalk *(32 14 40)* | | | |
| | | Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding. | | | |
| 32 14 40 00-0008 | SF | 1" Thick, Up to 54 SI Granite Paver | | 29.80 | 2.73 |
| | | Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers. | | | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | | *1.76* | |
| | | *For 2" Granite Paver, Add* | | *1.49* | |
| | | *For 3" Granite Paver, Add* | | *2.98* | |
| | | *For 4" Granite Paver, Add* | | *3.25* | |
| | | *For Up To 100, Add* | | *8.81* | |
| | | *For >100 To 500, Add* | | *2.04* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.55* | |
| | | *For >5,000, Deduct* | | *-1.55* | |
| 32 14 40 00-0009 | SF | 1" Thick, >54 to 108 SI Granite Paver | | 29.31 | 2.48 |
| | | Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. | | | |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | | *1.71* | |
| | | *For 2" Granite Paver, Add* | | *1.47* | |
| | | *For 3" Granite Paver, Add* | | *2.93* | |
| | | *For 4" Granite Paver, Add* | | *3.18* | |
| | | *For Up To 100, Add* | | *8.57* | |
| | | *For >100 To 500, Add* | | *1.96* | |
| | | *For >1,000 To 5,000, Deduct* | | *-0.50* | |
| | | *For >5,000, Deduct* | | *-1.47* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 14 40 00-0010 | SF | 1" Thick, >108 to 216 SI Granite Paver<br>Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. | 28.45 | 2.05 |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | *1.63* | |
| | | *For 2" Granite Paver, Add* | *1.42* | |
| | | *For 3" Granite Paver, Add* | *2.85* | |
| | | *For 4" Granite Paver, Add* | *3.05* | |
| | | *For Up To 100, Add* | *8.14* | |
| | | *For >100 To 500, Add* | *1.83* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.41* | |
| | | *For >5,000, Deduct* | *-1.35* | |
| 32 14 40 00-0011 | SF | 1" Thick, >216 SI Granite Paver<br>Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. | 28.08 | 1.86 |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | *1.59* | |
| | | *For 2" Granite Paver, Add* | *1.40* | |
| | | *For 3" Granite Paver, Add* | *2.81* | |
| | | *For 4" Granite Paver, Add* | *2.99* | |
| | | *For Up To 100, Add* | *7.95* | |
| | | *For >100 To 500, Add* | *1.78* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.37* | |
| | | *For >5,000, Deduct* | *-1.29* | |
| 32 14 40 00-0012 | SF | 1" Thick, Granite Paver, Combinations And Patterns<br>Note: Patterns made by combining pavers from two or more size groups. | 28.84 | 2.24 |
| | | *For Cement/Sand Mix Or Polymeric Sand Joints, Add* | *1.67* | |
| | | *For 2" Granite Paver, Add* | *1.44* | |
| | | *For 3" Granite Paver, Add* | *2.88* | |
| | | *For 4" Granite Paver, Add* | *3.11* | |
| | | *For Up To 100, Add* | *8.33* | |
| | | *For >100 To 500, Add* | *1.89* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.45* | |
| | | *For >5,000, Deduct* | *-1.40* | |

32 14 40 00-0013 Lithocrete® LQS Paving *(32 14 40)*

Note: includes 12"x12" control samples & one (1) 4'x 4' mockup; Speed doweled construction joints at 18" on center, jointing per plan, expansion foam at vertical surfaces; provide and install #3 rebar reinforcing at 18" ocew; concrete pumping, visqueen protection during concrete placement and finishing over base materials by others; ADA ramps with block-outs for truncated domes by others; hand seeded Lithocrete® Quarried Stone Finish with select granite sand and aggregates TBD; Lithocrete® Conditioner & Etch-Retarder; sawcut joints, acid cleaning, supply and install Prosoco Concrete Protector Oil & Water Repellent Sealer; sanded caulking for our work at curbs and planter walls. Concrete washouts bins and clean-up of our work per the attached highlighted scope.

| | | | | |
|---|---|---|---|---|
| 32 14 40 00-0014 | SF | 5" Average Thickness Type II Cement With Group II Integral Color, Lithocrete® LQS Paving | 47.97 | |

## 32 15 Aggregate Surfacing *(32 10)*

### 32 15 40 Crushed Stone Surfacing *(32 15)*

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

32 15 40 00-0001 Gravel Surfacing And Spreading *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

| | | | | |
|---|---|---|---|---|
| 32 15 40 00-0002 | CY | Gravel Surfacing And Spreading | 101.54 | |

32 15 40 00-0003 Limestone Screenings *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.

| | | | | |
|---|---|---|---|---|
| 32 15 40 00-0004 | CY | Limestone Screenings For Trail | 78.82 | |

32 15 40 00-0005 Decomposed Granite *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

| | | | | |
|---|---|---|---|---|
| 32 15 40 00-0006 | SY | 3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway<br>Note: Placed in 2 lifts. | 20.05 | |
| | | *For Additional 2" Lift* | *10.03* | |
| | | *For >45 To 180, Deduct* | *-1.34* | |
| | | *For >180 To 450, Deduct* | *-1.67* | |
| | | *For >450, Deduct* | *-2.00* | |

## 32 16 Curbs, Gutters, Sidewalks, and Driveways *(32 10)*

### 32 16 13 Curbs and Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0059 for additional saw cuts within the 100'.

#### 32 16 13 13 Cast-In-Place Concrete Curbs and Gutters *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 CALTRANs Cast In Place Concrete Curbs Assemblies *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 16 13 13-0002 | LF | CALTRANs Type A1-6 Straight Concrete Curb Assembly | 26.20 | 10.72 |
| | | *For Up To 20, Add* | *14.62* | |
| | | *For >20 To 50, Add* | *8.25* | |
| | | *For >50 To 100, Add* | *3.19* | |
| | | *For >500 To 1,000, Deduct* | *-3.19* | |
| | | *For >1,000, Deduct* | *-5.43* | |
| 32 16 13 13-0003 | LF | CALTRANs Type A1-6 Radius Concrete Curb Assembly | 29.21 | 12.33 |
| | | *For Up To 20, Add* | *16.69* | |
| | | *For >20 To 50, Add* | *9.43* | |
| | | *For >50 To 100, Add* | *3.63* | |
| | | *For >500 To 1,000, Deduct* | *-3.63* | |
| | | *For >1,000, Deduct* | *-6.18* | |
| 32 16 13 13-0004 | LF | CALTRANs Type A1-8 Straight Concrete Curb Assembly | 27.19 | 10.72 |
| | | *For Up To 20, Add* | *15.89* | |
| | | *For >20 To 50, Add* | *8.99* | |
| | | *For >50 To 100, Add* | *3.45* | |
| | | *For >500 To 1,000, Deduct* | *-3.45* | |
| | | *For >1,000, Deduct* | *-5.85* | |
| 32 16 13 13-0005 | LF | CALTRANs Type A1-8 Radius Concrete Curb Assembly | 29.14 | 12.33 |
| | | *For Up To 20, Add* | *17.22* | |
| | | *For >20 To 50, Add* | *9.75* | |
| | | *For >50 To 100, Add* | *3.74* | |
| | | *For >500 To 1,000, Deduct* | *-3.74* | |
| | | *For >1,000, Deduct* | *-6.33* | |
| 32 16 13 13-0006 | LF | CALTRANs Type A3-6 Straight Concrete Curb Assembly | 13.98 | 7.24 |
| | | *For Up To 20, Add* | *8.16* | |
| | | *For >20 To 50, Add* | *4.61* | |
| | | *For >50 To 100, Add* | *1.77* | |
| | | *For >500 To 1,000, Deduct* | *-1.77* | |
| | | *For >1,000, Deduct* | *-3.01* | |
| 32 16 13 13-0007 | LF | CALTRANs Type A3-6 Radius Concrete Curb Assembly | 16.12 | 8.36 |
| | | *For Up To 20, Add* | *9.65* | |
| | | *For >20 To 50, Add* | *5.47* | |
| | | *For >50 To 100, Add* | *2.09* | |
| | | *For >500 To 1,000, Deduct* | *-2.09* | |
| | | *For >1,000, Deduct* | *-3.54* | |
| 32 16 13 13-0008 | LF | CALTRANs Type A3-8 Straight Concrete Curb Assembly | 15.55 | 7.50 |
| | | *For Up To 20, Add* | *8.90* | |
| | | *For >20 To 50, Add* | *5.03* | |
| | | *For >50 To 100, Add* | *1.93* | |
| | | *For >500 To 1,000, Deduct* | *-1.93* | |
| | | *For >1,000, Deduct* | *-3.29* | |
| 32 16 13 13-0009 | LF | CALTRANs Type A3-8 Radius Concrete Curb Assembly | 17.81 | 9.00 |
| | | *For Up To 20, Add* | *10.48* | |
| | | *For >20 To 50, Add* | *5.93* | |
| | | *For >50 To 100, Add* | *2.27* | |
| | | *For >500 To 1,000, Deduct* | *-2.27* | |
| | | *For >1,000, Deduct* | *-3.86* | |
| 32 16 13 13-0010 | LF | CALTRANs Type B1-4 Straight Concrete Curb Assembly | 23.87 | 10.72 |
| | | *For Up To 20, Add* | *13.34* | |
| | | *For >20 To 50, Add* | *7.53* | |
| | | *For >50 To 100, Add* | *2.91* | |
| | | *For >500 To 1,000, Deduct* | *-2.91* | |
| | | *For >1,000, Deduct* | *-4.96* | |
| 32 16 13 13-0011 | LF | CALTRANs Type B1-4 Straight Concrete Curb Assembly | 26.62 | 12.33 |
| | | *For Up To 20, Add* | *15.24* | |
| | | *For >20 To 50, Add* | *8.61* | |
| | | *For >50 To 100, Add* | *3.31* | |
| | | *For >500 To 1,000, Deduct* | *-3.31* | |
| | | *For >1,000, Deduct* | *-5.64* | |
| 32 16 13 13-0012 | LF | CALTRANs Type B1-6 Straight Concrete Curb Assembly | 26.82 | 10.72 |
| | | *For Up To 20, Add* | *14.74* | |
| | | *For >20 To 50, Add* | *8.31* | |
| | | *For >50 To 100, Add* | *3.22* | |
| | | *For >500 To 1,000, Deduct* | *-3.22* | |
| | | *For >1,000, Deduct* | *-5.49* | |
| 32 16 13 13-0013 | LF | CALTRANs Type B1-6 Radius Concrete Curb Assembly | 29.84 | 12.33 |
| | | *For Up To 20, Add* | *16.82* | |
| | | *For >20 To 50, Add* | *9.49* | |
| | | *For >50 To 100, Add* | *3.66* | |
| | | *For >500 To 1,000, Deduct* | *-3.66* | |
| | | *For >1,000, Deduct* | *-6.24* | |
| 32 16 13 13-0014 | LF | CALTRANs Type B3-4 Straight Concrete Curb Assembly | 98.99 | 6.54 |
| | | *For Up To 20, Add* | *68.02* | |
| | | *For >20 To 50, Add* | *38.83* | |
| | | *For >50 To 100, Add* | *14.59* | |
| | | *For >500 To 1,000, Deduct* | *-14.59* | |
| | | *For >1,000, Deduct* | *-24.37* | |
| 32 16 13 13-0015 | LF | CALTRANs Type B3-4 Radius Concrete Curb Assembly | 14.12 | 7.50 |
| | | *For Up To 20, Add* | *8.61* | |
| | | *For >20 To 50, Add* | *4.88* | |
| | | *For >50 To 100, Add* | *1.86* | |
| | | *For >500 To 1,000, Deduct* | *-1.86* | |
| | | *For >1,000, Deduct* | *-3.15* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 16 13 13-0016 | LF | CALTRANs Type B3-6 Straight Concrete Curb Assembly | 13.73 | 6.75 |
| | | *For Up To 20, Add* | *7.95* | |
| | | *For >20 To 50, Add* | *4.49* | |
| | | *For >50 To 100, Add* | *1.73* | |
| | | *For >500 To 1,000, Deduct* | *-1.73* | |
| | | *For >1,000, Deduct* | *-2.93* | |
| 32 16 13 13-0017 | LF | CALTRANs Type B3-6 Radius Concrete Curb Assembly | 15.76 | 8.14 |
| | | *For Up To 20, Add* | *9.37* | |
| | | *For >20 To 50, Add* | *5.31* | |
| | | *For >50 To 100, Add* | *2.03* | |
| | | *For >500 To 1,000, Deduct* | *-2.03* | |
| | | *For >1,000, Deduct* | *-3.44* | |
| 32 16 13 13-0018 | LF | CALTRANs Type D-4 Straight Concrete Curb Assembly | 27.29 | 10.72 |
| | | *For Up To 20, Add* | *14.03* | |
| | | *For >20 To 50, Add* | *7.87* | |
| | | *For >50 To 100, Add* | *3.08* | |
| | | *For >500 To 1,000, Deduct* | *-3.08* | |
| | | *For >1,000, Deduct* | *-5.30* | |
| 32 16 13 13-0019 | LF | CALTRANs Type D-4 Radius Concrete Curb Assembly | 30.04 | 12.33 |
| | | *For Up To 20, Add* | *15.92* | |
| | | *For >20 To 50, Add* | *8.95* | |
| | | *For >50 To 100, Add* | *3.49* | |
| | | *For >500 To 1,000, Deduct* | *-3.49* | |
| | | *For >1,000, Deduct* | *-5.98* | |
| 32 16 13 13-0020 | LF | CALTRANs Type D-6 Straight Concrete Curb Assembly | 32.19 | 10.72 |
| | | *For Up To 20, Add* | *15.01* | |
| | | *For >20 To 50, Add* | *8.36* | |
| | | *For >50 To 100, Add* | *3.32* | |
| | | *For >500 To 1,000, Deduct* | *-3.32* | |
| | | *For >1,000, Deduct* | *-5.79* | |
| 32 16 13 13-0021 | LF | CALTRANs Type D-6 Radius Concrete Curb Assembly | 34.95 | 12.33 |
| | | *For Up To 20, Add* | *16.91* | |
| | | *For >20 To 50, Add* | *9.44* | |
| | | *For >50 To 100, Add* | *3.73* | |
| | | *For >500 To 1,000, Deduct* | *-3.73* | |
| | | *For >1,000, Deduct* | *-6.47* | |

## 32 16 13 13-0022 CALTRANs Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

| | | | | |
|---|---|---|---|---|
| 32 16 13 13-0023 | LF | CALTRANs Type A2-6 Straight Concrete Curb And Gutter Assembly | 54.46 | 20.47 |
| | | *For Up To 20, Add* | *36.77* | |
| | | *For >20 To 50, Add* | *20.43* | |
| | | *For >50 To 100, Add* | *8.17* | |
| | | *For >500 To 1,000, Deduct* | *-6.82* | |
| | | *For >1,000, Deduct* | *-11.59* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *3.35* | |
| 32 16 13 13-0024 | LF | CALTRANs Type A2-6 Radius Concrete Curb And Gutter Assembly | 58.77 | 22.62 |
| | | *For Up To 20, Add* | *39.79* | |
| | | *For >20 To 50, Add* | *22.16* | |
| | | *For >50 To 100, Add* | *8.82* | |
| | | *For >500 To 1,000, Deduct* | *-7.46* | |
| | | *For >1,000, Deduct* | *-12.66* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *3.78* | |
| 32 16 13 13-0025 | LF | CALTRANs Type A2-8 Straight Concrete Curb And Gutter Assembly | 58.51 | 20.47 |
| | | *For Up To 20, Add* | *39.51* | |
| | | *For >20 To 50, Add* | *21.95* | |
| | | *For >50 To 100, Add* | *8.78* | |
| | | *For >500 To 1,000, Deduct* | *-7.33* | |
| | | *For >1,000, Deduct* | *-12.45* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *3.60* | |
| 32 16 13 13-0026 | LF | CALTRANs Type A2-8 Radius Concrete Curb And Gutter Assembly | 63.14 | 22.62 |
| | | *For Up To 20, Add* | *42.75* | |
| | | *For >20 To 50, Add* | *23.81* | |
| | | *For >50 To 100, Add* | *9.47* | |
| | | *For >500 To 1,000, Deduct* | *-8.02* | |
| | | *For >1,000, Deduct* | *-13.61* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *4.06* | |
| 32 16 13 13-0027 | LF | CALTRANs Type B2-4 Straight Concrete Curb And Gutter Assembly | 30.92 | 11.74 |
| | | *For Up To 20, Add* | *20.36* | |
| | | *For >20 To 50, Add* | *11.09* | |
| | | *For >50 To 100, Add* | *4.64* | |
| | | *For >500 To 1,000, Deduct* | *-3.36* | |
| | | *For >1,000, Deduct* | *-5.81* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *1.10* | |
| 32 16 13 13-0028 | LF | CALTRANs Type B2-4 Radius Concrete Curb And Gutter Assembly | 32.65 | 12.92 |
| | | *For Up To 20, Add* | *21.57* | |
| | | *For >20 To 50, Add* | *11.78* | |
| | | *For >50 To 100, Add* | *4.90* | |
| | | *For >500 To 1,000, Deduct* | *-3.61* | |
| | | *For >1,000, Deduct* | *-6.24* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *1.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 16 13 13-0029 | LF | CALTRANs Type B2-6 Straight Concrete Curb And Gutter Assembly | 36.64 | 12.92 |
| | | *For Up To 20, Add* | *24.25* | |
| | | *For >20 To 50, Add* | *13.26* | |
| | | *For >50 To 100, Add* | *5.50* | |
| | | *For >500 To 1,000, Deduct* | *-4.10* | |
| | | *For >1,000, Deduct* | *-7.06* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *1.49* | |
| 32 16 13 13-0030 | LF | CALTRANs Type B2-6 Radius Concrete Curb And Gutter Assembly | 38.78 | 17.24 |
| | | *For Up To 20, Add* | *25.75* | |
| | | *For >20 To 50, Add* | *14.11* | |
| | | *For >50 To 100, Add* | *5.82* | |
| | | *For >500 To 1,000, Deduct* | *-4.42* | |
| | | *For >1,000, Deduct* | *-7.59* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *1.71* | |
| 32 16 13 13-0031 | LF | CALTRANs Type B4-6 Straight Concrete Curb And Gutter Assembly | 58.21 | 22.51 |
| | | *For Up To 20, Add* | *39.43* | |
| | | *For >20 To 50, Add* | *21.97* | |
| | | *For >50 To 100, Add* | *8.73* | |
| | | *For >500 To 1,000, Deduct* | *-7.41* | |
| | | *For >1,000, Deduct* | *-12.58* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *3.78* | |
| 32 16 13 13-0032 | LF | CALTRANs Type B4-6 Radius Concrete Curb And Gutter Assembly | 62.30 | 24.56 |
| | | *For Up To 20, Add* | *42.29* | |
| | | *For >20 To 50, Add* | *23.60* | |
| | | *For >50 To 100, Add* | *9.35* | |
| | | *For >500 To 1,000, Deduct* | *-8.03* | |
| | | *For >1,000, Deduct* | *-13.60* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *4.19* | |
| 32 16 13 13-0033 | LF | CALTRANs Type E Straight Concrete Curb And Gutter Assembly | 62.28 | 23.70 |
| | | *For Up To 20, Add* | *42.11* | |
| | | *For >20 To 50, Add* | *23.42* | |
| | | *For >50 To 100, Add* | *9.34* | |
| | | *For >500 To 1,000, Deduct* | *-7.85* | |
| | | *For >1,000, Deduct* | *-13.34* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *3.92* | |
| 32 16 13 13-0034 | LF | CALTRANs Type E Radius Concrete Curb And Gutter Assembly | 66.60 | 25.85 |
| | | *For Up To 20, Add* | *45.13* | |
| | | *For >20 To 50, Add* | *25.15* | |
| | | *For >50 To 100, Add* | *9.99* | |
| | | *For >500 To 1,000, Deduct* | *-8.50* | |
| | | *For >1,000, Deduct* | *-14.42* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *4.35* | |

## 32 16 13 13-0035 Cast In Place Concrete Curbs Assemblies *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

| | | | | |
|---|---|---|---|---|
| 32 16 13 13-0036 | LF | 6" x 12" Cast In Place Concrete Curb | 23.27 | 10.72 |
| | | *For Mountable Curb, Add* | *1.38* | |
| | | *For Up To 20, Add* | *13.22* | |
| | | *For >20 To 50, Add* | *7.47* | |
| | | *For >50 To 100, Add* | *2.88* | |
| | | *For >500 To 1,000, Deduct* | *-2.88* | |
| | | *For >1,000, Deduct* | *-4.90* | |
| 32 16 13 13-0037 | LF | 6" x 12" Cast In Place Concrete Curb - Radius | 26.36 | 12.33 |
| | | *For Mountable Curb, Add* | *1.62* | |
| | | *For Up To 20, Add* | *15.19* | |
| | | *For >20 To 50, Add* | *8.59* | |
| | | *For >50 To 100, Add* | *3.30* | |
| | | *For >500 To 1,000, Deduct* | *-3.30* | |
| | | *For >1,000, Deduct* | *-5.61* | |
| 32 16 13 13-0038 | LF | 6" x 14" Cast In Place Concrete Curb | 25.35 | 10.72 |
| | | *For Mountable Curb, Add* | *1.51* | |
| | | *For Up To 20, Add* | *14.45* | |
| | | *For >20 To 50, Add* | *8.16* | |
| | | *For >50 To 100, Add* | *3.14* | |
| | | *For >500 To 1,000, Deduct* | *-3.14* | |
| | | *For >1,000, Deduct* | *-5.35* | |
| 32 16 13 13-0039 | LF | 6" x 14" Cast In Place Concrete Curb - Radius | 28.75 | 12.33 |
| | | *For Mountable Curb, Add* | *1.78* | |
| | | *For Up To 20, Add* | *16.60* | |
| | | *For >20 To 50, Add* | *9.39* | |
| | | *For >50 To 100, Add* | *3.61* | |
| | | *For >500 To 1,000, Deduct* | *-3.61* | |
| | | *For >1,000, Deduct* | *-6.13* | |
| 32 16 13 13-0040 | LF | 6" x 16" Cast In Place Concrete Curb | 27.73 | 10.72 |
| | | *For Mountable Curb, Add* | *1.63* | |
| | | *For Up To 20, Add* | *15.73* | |
| | | *For >20 To 50, Add* | *8.88* | |
| | | *For >50 To 100, Add* | *3.42* | |
| | | *For >500 To 1,000, Deduct* | *-3.42* | |
| | | *For >1,000, Deduct* | *-5.83* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 16 13 13-0041 | LF | 6" x 16" Cast In Place Concrete Curb - Radius | 31.33 | 16.08 |
| | | *For Mountable Curb, Add* | *1.93* | |
| | | *For Up To 20, Add* | *18.06* | |
| | | *For >20 To 50, Add* | *10.21* | |
| | | *For >50 To 100, Add* | *3.92* | |
| | | *For >500 To 1,000, Deduct* | *-3.92* | |
| | | *For >1,000, Deduct* | *-6.67* | |
| 32 16 13 13-0042 | LF | 6" x 18" Cast In Place Concrete Curb | 29.59 | 10.72 |
| | | *For Mountable Curb, Add* | *1.73* | |
| | | *For Up To 20, Add* | *16.75* | |
| | | *For >20 To 50, Add* | *9.46* | |
| | | *For >50 To 100, Add* | *3.65* | |
| | | *For >500 To 1,000, Deduct* | *-3.65* | |
| | | *For >1,000, Deduct* | *-6.21* | |
| 32 16 13 13-0043 | LF | 6" x 18" Cast In Place Concrete Curb - Radius | 33.15 | 12.33 |
| | | *For Mountable Curb, Add* | *2.00* | |
| | | *For Up To 20, Add* | *18.96* | |
| | | *For >20 To 50, Add* | *10.71* | |
| | | *For >50 To 100, Add* | *4.12* | |
| | | *For >500 To 1,000, Deduct* | *-4.12* | |
| | | *For >1,000, Deduct* | *-7.01* | |
| 32 16 13 13-0044 | LF | 6" x 24" Cast In Place Concrete Curb | 33.80 | 11.79 |
| | | *For Mountable Curb, Add* | *1.83* | |
| | | *For Up To 20, Add* | *18.67* | |
| | | *For >20 To 50, Add* | *10.53* | |
| | | *For >50 To 100, Add* | *4.07* | |
| | | *For >500 To 1,000, Deduct* | *-4.07* | |
| | | *For >1,000, Deduct* | *-6.95* | |
| 32 16 13 13-0045 | LF | 6" x 24" Cast In Place Concrete Curb - Radius | 37.56 | 13.39 |
| | | *For Mountable Curb, Add* | *2.09* | |
| | | *For Up To 20, Add* | *20.91* | |
| | | *For >20 To 50, Add* | *11.79* | |
| | | *For >50 To 100, Add* | *4.56* | |
| | | *For >500 To 1,000, Deduct* | *-4.56* | |
| | | *For >1,000, Deduct* | *-7.77* | |
| 32 16 13 13-0046 | LF | 12" x 24" Cast In Place Concrete Curb | 43.46 | 13.39 |
| | | *For Mountable Curb, Add* | *1.76* | |
| | | *For Up To 20, Add* | *22.09* | |
| | | *For >20 To 50, Add* | *12.39* | |
| | | *For >50 To 100, Add* | *4.85* | |
| | | *For >500 To 1,000, Deduct* | *-4.85* | |
| | | *For >1,000, Deduct* | *-8.37* | |
| 32 16 13 13-0047 | LF | 12" x 24" Cast In Place Concrete Curb - Radius | 48.12 | 15.00 |
| | | *For Mountable Curb, Add* | *2.00* | |
| | | *For Up To 20, Add* | *24.63* | |
| | | *For >20 To 50, Add* | *13.82* | |
| | | *For >50 To 100, Add* | *5.41* | |
| | | *For >500 To 1,000, Deduct* | *-5.41* | |
| | | *For >1,000, Deduct* | *-9.31* | |
| 32 16 13 13-0048 | EA | Additional Finish For Handicap Drop Section In Curb | 80.37 | |

## 32 16 13 13-0049 Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

| | | | | |
|---|---|---|---|---|
| 32 16 13 13-0050 | LF | 6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight | 31.03 | 12.92 |
| | | *For Up To 20, Add* | *20.88* | |
| | | *For >20 To 50, Add* | *11.57* | |
| | | *For >50 To 100, Add* | *4.65* | |
| | | *For >500 To 1,000, Deduct* | *-3.81* | |
| | | *For >1,000, Deduct* | *-6.50* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *1.80* | |
| 32 16 13 13-0051 | LF | 6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius | 33.61 | 17.24 |
| | | *For Up To 20, Add* | *22.64* | |
| | | *For >20 To 50, Add* | *12.56* | |
| | | *For >50 To 100, Add* | *5.04* | |
| | | *For >500 To 1,000, Deduct* | *-4.16* | |
| | | *For >1,000, Deduct* | *-7.08* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *1.99* | |
| 32 16 13 13-0052 | LF | 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight | 38.78 | 14.33 |
| | | *For Up To 20, Add* | *26.12* | |
| | | *For >20 To 50, Add* | *14.49* | |
| | | *For >50 To 100, Add* | *5.82* | |
| | | *For >500 To 1,000, Deduct* | *-4.79* | |
| | | *For >1,000, Deduct* | *-8.16* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *2.29* | |
| 32 16 13 13-0053 | LF | 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius | 42.60 | 15.95 |
| | | *For Up To 20, Add* | *28.74* | |
| | | *For >20 To 50, Add* | *15.96* | |
| | | *For >50 To 100, Add* | *6.39* | |
| | | *For >500 To 1,000, Deduct* | *-5.31* | |
| | | *For >1,000, Deduct* | *-9.03* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *2.58* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 16 13 13-0054 | LF | 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight | 46.53 | 17.24 |
| | | *For Up To 20, Add* | *31.36* | |
| | | *For >20 To 50, Add* | *17.41* | |
| | | *For >50 To 100, Add* | *6.98* | |
| | | *For >500 To 1,000, Deduct* | *-5.77* | |
| | | *For >1,000, Deduct* | *-9.82* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *2.78* | |
| 32 16 13 13-0055 | LF | 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius | 51.56 | 19.39 |
| | | *For Up To 20, Add* | *34.81* | |
| | | *For >20 To 50, Add* | *19.34* | |
| | | *For >50 To 100, Add* | *7.73* | |
| | | *For >500 To 1,000, Deduct* | *-6.45* | |
| | | *For >1,000, Deduct* | *-10.97* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *3.17* | |
| 32 16 13 13-0056 | LF | 6" x 24" Cast In Place Concrete Gutter With 6" Curb And 8" Face - Straight | 48.78 | 17.24 |
| | | *For Up To 20, Add* | *32.89* | |
| | | *For >20 To 50, Add* | *18.25* | |
| | | *For >50 To 100, Add* | *7.32* | |
| | | *For >500 To 1,000, Deduct* | *-6.06* | |
| | | *For >1,000, Deduct* | *-10.31* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *2.93* | |
| | | *For Tapered Gutter With Level Bottom (Type A2-6 Or 8), Add* | *1.26* | |
| 32 16 13 13-0057 | LF | 6" x 24" Cast In Place Concrete Gutter With 6" Curb And 8" Face - Radius | 54.08 | 19.39 |
| | | *For Up To 20, Add* | *36.52* | |
| | | *For >20 To 50, Add* | *20.30* | |
| | | *For >50 To 100, Add* | *8.11* | |
| | | *For >500 To 1,000, Deduct* | *-6.78* | |
| | | *For >1,000, Deduct* | *-11.52* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *3.34* | |
| | | *For Tapered Gutter With Level Bottom (Type A2-6 Or 8), Add* | *1.34* | |
| 32 16 13 13-0058 | LF | 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight | 54.83 | 20.47 |
| | | *For Up To 20, Add* | *36.99* | |
| | | *For >20 To 50, Add* | *20.54* | |
| | | *For >50 To 100, Add* | *8.22* | |
| | | *For >500 To 1,000, Deduct* | *-6.83* | |
| | | *For >1,000, Deduct* | *-11.62* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *3.33* | |
| 32 16 13 13-0059 | LF | 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius | 60.02 | 22.62 |
| | | *For Up To 20, Add* | *40.54* | |
| | | *For >20 To 50, Add* | *22.53* | |
| | | *For >50 To 100, Add* | *9.00* | |
| | | *For >500 To 1,000, Deduct* | *-7.53* | |
| | | *For >1,000, Deduct* | *-12.79* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *3.71* | |
| 32 16 13 13-0060 | LF | 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight | 63.13 | 23.70 |
| | | *For Up To 20, Add* | *42.62* | |
| | | *For >20 To 50, Add* | *23.68* | |
| | | *For >50 To 100, Add* | *9.47* | |
| | | *For >500 To 1,000, Deduct* | *-7.90* | |
| | | *For >1,000, Deduct* | *-13.42* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *3.87* | |
| 32 16 13 13-0061 | LF | 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius | 68.48 | 25.85 |
| | | *For Up To 20, Add* | *46.26* | |
| | | *For >20 To 50, Add* | *25.72* | |
| | | *For >50 To 100, Add* | *10.27* | |
| | | *For >500 To 1,000, Deduct* | *-8.60* | |
| | | *For >1,000, Deduct* | *-14.60* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *4.25* | |
| 32 16 13 13-0062 | LF | 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight | 71.42 | 26.93 |
| | | *For Up To 20, Add* | *48.24* | |
| | | *For >20 To 50, Add* | *26.81* | |
| | | *For >50 To 100, Add* | *10.71* | |
| | | *For >500 To 1,000, Deduct* | *-8.96* | |
| | | *For >1,000, Deduct* | *-15.22* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *4.42* | |
| 32 16 13 13-0063 | LF | 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius | 79.07 | 30.16 |
| | | *For Up To 20, Add* | *53.47* | |
| | | *For >20 To 50, Add* | *29.75* | |
| | | *For >50 To 100, Add* | *11.86* | |
| | | *For >500 To 1,000, Deduct* | *-9.99* | |
| | | *For >1,000, Deduct* | *-16.96* | |
| | | *For Mountable Or Rolled Curb And Gutter, Add* | *5.00* | |

## 32 16 13 13-0064 Curb And Parkway Drains *(32 16 13 13)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

| | | | |
|---|---|---|---|
| 32 16 13 13-0065 | EA | Case I Inlet Structure For Curb Drain | 2,364.74 |
| 32 16 13 13-0066 | EA | Case II Inlet Structure For Curb Drain | 2,820.16 |
| 32 16 13 13-0067 | EA | Up To 30" Wide Inlet Type I Structure For Parkway Drain | 2,428.48 |
| 32 16 13 13-0068 | EA | 36" Wide Inlet Type I Structure For Parkway Drain | 2,476.27 |
| 32 16 13 13-0069 | EA | 42" Wide Inlet Type I Structure For Parkway Drain | 2,524.98 |
| 32 16 13 13-0070 | EA | 48" Wide Inlet Type I Structure For Parkway Drain | 2,569.15 |
| 32 16 13 13-0071 | EA | 54" Wide Inlet Type I Structure For Parkway Drain | 2,638.86 |
| 32 16 13 13-0072 | EA | 60" Wide Inlet Type I Structure For Parkway Drain | 2,690.69 |
| 32 16 13 13-0073 | EA | 66" Wide Inlet Type I Structure For Parkway Drain | 2,737.64 |
| 32 16 13 13-0074 | EA | 72" Wide Inlet Type I Structure For Parkway Drain | 2,787.03 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 16 13 13-0075 | LF | Up To 30" Wide x 4" Concrete Duct For Parkway Drain | 156.40 | |
| 32 16 13 13-0076 | LF | 42" Wide x 4" Concrete Duct For Parkway Drain | 177.95 | |
| 32 16 13 13-0077 | LF | 48" Wide x 4" Concrete Duct For Parkway Drain | 199.51 | |
| 32 16 13 13-0078 | LF | 54" Wide x 4" Concrete Duct For Parkway Drain | 221.05 | |
| 32 16 13 13-0079 | LF | 60" Wide x 4" Concrete Duct For Parkway Drain | 242.62 | |
| 32 16 13 13-0080 | LF | 66" Wide x 4" Concrete Duct For Parkway Drain | 264.17 | |
| 32 16 13 13-0081 | LF | 72" Wide x 4" Concrete Duct For Parkway Drain | 285.71 | |

## 32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

### 32 16 13 14-0001 Curbs, Machine Formed, Slip Form *(32 16 13 14)*

Note: Includes delivered concrete, steel, expansion joints and finish.

| | | | | |
|---|---|---|---|---|
| 32 16 13 14-0002 | EA | Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job)<br>Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section. | 1,594.49 | |
| 32 16 13 14-0003 | LF | 6" x 12" Straight Concrete Curb, Machine Formed | 13.82 | |
| 32 16 13 14-0004 | LF | 6" x 12" Curved Concrete Curb, Machine Formed | 18.74 | |
| 32 16 13 14-0005 | LF | 6" x 18" Straight Concrete Curb, Machine Formed | 18.26 | |
| 32 16 13 14-0006 | LF | 6" x 18" Curved Concrete Curb, Machine Formed | 24.01 | |

## 32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

### 32 16 13 16-0001 Sidewalk/Curb Facing *(32 16 13 16)*

Note: Fabrication includes handicap and other curb access cuts.

| | | | | |
|---|---|---|---|---|
| 32 16 13 16-0002 | LF | 3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center | 17.43 | 5.87 |
| | | *For Curved Section, Add* | *3.94* | |
| 32 16 13 16-0003 | LF | 4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center | 19.22 | 6.67 |
| | | *For Curved Section, Add* | *4.43* | |
| 32 16 13 16-0004 | LF | 6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center | 25.67 | 7.47 |
| | | *For Curved Section, Add* | *5.38* | |
| 32 16 13 16-0005 | LF | 8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center | 31.36 | 8.41 |
| | | *For Curved Section, Add* | *6.27* | |
| 32 16 13 16-0006 | LF | 10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center | 38.20 | 9.21 |
| | | *For Curved Section, Add* | *7.27* | |
| 32 16 13 16-0007 | LF | 12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center | 49.90 | 11.74 |
| | | *For Curved Section, Add* | *9.37* | |
| 32 16 13 16-0008 | LF | 13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center | 57.80 | 15.21 |
| | | *For Curved Section, Add* | *11.46* | |
| 32 16 13 16-0009 | EA | Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section | 178.10 | |

## 32 16 13 19 Cast-In-Place Concrete Drainage Ditches *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

### 32 16 13 19-0001 Gutter Intersections *(32 16 13 19)*

Note: Assembly includes installation, concrete, forms, rebar, expansion joints, finish and curing.

| | | | |
|---|---|---|---|
| 32 16 13 19-0002 | EA | Cast In Place Concrete Cross Gutter At T Section | 1,236.05 |
| 32 16 13 19-0003 | EA | 8' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter | 1,492.17 |
| 32 16 13 19-0004 | EA | 10' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter | 2,331.53 |
| 32 16 13 19-0005 | EA | 15' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter | 5,245.92 |
| 32 16 13 19-0006 | EA | 20' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter | 9,326.08 |
| 32 16 13 19-0007 | EA | 25' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter | 14,572.00 |
| 32 16 13 19-0008 | EA | 30' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter | 20,983.68 |

### 32 16 13 19-0009 Valley Gutter, Cast In Place *(32 16 13 19)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

| | | | | |
|---|---|---|---|---|
| 32 16 13 19-0010 | LF | 1' Wide Cast In Place Concrete Valley Gutter, 6" Thick | 17.26 | |
| 32 16 13 19-0011 | LF | 2' Wide Cast In Place Concrete Valley Gutter, 6" Thick | 24.36 | |
| | | *For Up To 20, Add* | *11.24* | |
| | | *For >20 To 50, Add* | *6.26* | |
| | | *For >50 To 100, Add* | *2.49* | |
| | | *For >500 To 1,000, Deduct* | *-2.49* | |
| | | *For >1,000, Deduct* | *-4.35* | |
| 32 16 13 19-0012 | LF | 2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick | 29.85 | |
| | | *For Up To 20, Add* | *13.64* | |
| | | *For >20 To 50, Add* | *7.58* | |
| | | *For >50 To 100, Add* | *3.03* | |
| | | *For >500 To 1,000, Deduct* | *-3.03* | |
| | | *For >1,000, Deduct* | *-5.28* | |
| 32 16 13 19-0013 | LF | 3' Wide Cast In Place Concrete Valley Gutter, 6" Thick | 35.29 | |
| | | *For Up To 20, Add* | *15.99* | |
| | | *For >20 To 50, Add* | *8.89* | |
| | | *For >50 To 100, Add* | *3.55* | |
| | | *For >500 To 1,000, Deduct* | *-3.55* | |
| | | *For >1,000, Deduct* | *-6.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 16 13 19-0014 | LF | 3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick | 40.70 | |
| | | *For Up To 20, Add* | *18.33* | |
| | | *For >20 To 50, Add* | *10.18* | |
| | | *For >50 To 100, Add* | *4.07* | |
| | | *For >500 To 1,000, Deduct* | *-4.07* | |
| | | *For >1,000, Deduct* | *-7.13* | |
| 32 16 13 19-0015 | LF | 4' Wide Cast In Place Concrete Valley Gutter, 6" Thick | 46.13 | |
| | | *For Up To 20, Add* | *20.68* | |
| | | *For >20 To 50, Add* | *11.48* | |
| | | *For >50 To 100, Add* | *4.60* | |
| | | *For >500 To 1,000, Deduct* | *-4.60* | |
| | | *For >1,000, Deduct* | *-8.05* | |
| 32 16 13 19-0016 | LF | 5' Wide Cast In Place Concrete Valley Gutter, 6" Thick | 54.80 | |
| | | *For Up To 20, Add* | *23.84* | |
| | | *For >20 To 50, Add* | *13.21* | |
| | | *For >50 To 100, Add* | *5.32* | |
| | | *For >500 To 1,000, Deduct* | *-5.32* | |
| | | *For >1,000, Deduct* | *-9.34* | |
| 32 16 13 19-0017 | LF | 6' Wide Cast In Place Concrete Valley Gutter, 6" Thick | 63.13 | |
| | | *For Up To 20, Add* | *26.77* | |
| | | *For >20 To 50, Add* | *14.80* | |
| | | *For >50 To 100, Add* | *5.99* | |
| | | *For >500 To 1,000, Deduct* | *-5.99* | |
| | | *For >1,000, Deduct* | *-10.56* | |
| 32 16 13 19-0018 | SF | >6' Wide Cast In Place Concrete Valley Gutter, 6" Thick | 10.52 | |
| | | *For Up To 100, Add* | *4.46* | |
| | | *For >100 To 250, Add* | *2.47* | |
| | | *For >250 To 500, Add* | *1.00* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.00* | |
| | | *For >5,000, Deduct* | *-1.76* | |
| 32 16 13 19-0019 | LF | 1' Wide Cast In Place Concrete Valley Gutter, 7" Thick | 18.75 | |
| | | *For Up To 20, Add* | *9.79* | |
| | | *For >20 To 50, Add* | *5.50* | |
| | | *For >50 To 100, Add* | *2.14* | |
| | | *For >500 To 1,000, Deduct* | *-2.14* | |
| | | *For >1,000, Deduct* | *-3.69* | |
| 32 16 13 19-0020 | LF | 2' Wide Cast In Place Concrete Valley Gutter, 7" Thick | 26.77 | |
| | | *For Up To 20, Add* | *12.06* | |
| | | *For >20 To 50, Add* | *6.70* | |
| | | *For >50 To 100, Add* | *2.68* | |
| | | *For >500 To 1,000, Deduct* | *-2.68* | |
| | | *For >1,000, Deduct* | *-4.69* | |
| 32 16 13 19-0021 | LF | 2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick | 33.07 | |
| | | *For Up To 20, Add* | *14.79* | |
| | | *For >20 To 50, Add* | *8.22* | |
| | | *For >50 To 100, Add* | *3.29* | |
| | | *For >500 To 1,000, Deduct* | *-3.29* | |
| | | *For >1,000, Deduct* | *-5.76* | |
| 32 16 13 19-0022 | LF | 3' Wide Cast In Place Concrete Valley Gutter, 7" Thick | 38.89 | |
| | | *For Up To 20, Add* | *17.20* | |
| | | *For >20 To 50, Add* | *9.54* | |
| | | *For >50 To 100, Add* | *3.83* | |
| | | *For >500 To 1,000, Deduct* | *-3.83* | |
| | | *For >1,000, Deduct* | *-6.72* | |
| 32 16 13 19-0023 | LF | 3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick | 44.90 | |
| | | *For Up To 20, Add* | *19.74* | |
| | | *For >20 To 50, Add* | *10.94* | |
| | | *For >50 To 100, Add* | *4.40* | |
| | | *For >500 To 1,000, Deduct* | *-4.40* | |
| | | *For >1,000, Deduct* | *-7.72* | |
| 32 16 13 19-0024 | LF | 4' Wide Cast In Place Concrete Valley Gutter, 7" Thick | 50.90 | |
| | | *For Up To 20, Add* | *22.27* | |
| | | *For >20 To 50, Add* | *12.34* | |
| | | *For >50 To 100, Add* | *4.96* | |
| | | *For >500 To 1,000, Deduct* | *-4.96* | |
| | | *For >1,000, Deduct* | *-8.72* | |
| 32 16 13 19-0025 | LF | 5' Wide Cast In Place Concrete Valley Gutter, 7" Thick | 60.59 | |
| | | *For Up To 20, Add* | *25.71* | |
| | | *For >20 To 50, Add* | *14.21* | |
| | | *For >50 To 100, Add* | *5.75* | |
| | | *For >500 To 1,000, Deduct* | *-5.75* | |
| | | *For >1,000, Deduct* | *-10.14* | |
| 32 16 13 19-0026 | LF | 6' Wide Cast In Place Concrete Valley Gutter, 7" Thick | 69.96 | |
| | | *For Up To 20, Add* | *28.92* | |
| | | *For >20 To 50, Add* | *15.95* | |
| | | *For >50 To 100, Add* | *6.48* | |
| | | *For >500 To 1,000, Deduct* | *-6.48* | |
| | | *For >1,000, Deduct* | *-11.48* | |
| 32 16 13 19-0027 | SF | >6' Wide Cast In Place Concrete Valley Gutter, 7" Thick | 11.66 | |
| | | *For Up To 100, Add* | *4.82* | |
| | | *For >100 To 250, Add* | *2.66* | |
| | | *For >250 To 500, Add* | *1.08* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.08* | |
| | | *For >5,000, Deduct* | *-1.91* | |
| 32 16 13 19-0028 | LF | 1' Wide Cast In Place Concrete Valley Gutter, 8" Thick | 19.14 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 16 13 19-0029 | LF | 2' Wide Cast In Place Concrete Valley Gutter, 8" Thick | 26.94 | |
| | | *For Up To 20, Add* | *12.44* | |
| | | *For >20 To 50, Add* | *6.93* | |
| | | *For >50 To 100, Add* | *2.76* | |
| | | *For >500 To 1,000, Deduct* | *-2.76* | |
| | | *For >1,000, Deduct* | *-4.81* | |
| 32 16 13 19-0030 | LF | 2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick | 33.06 | |
| | | *For Up To 20, Add* | *15.12* | |
| | | *For >20 To 50, Add* | *8.41* | |
| | | *For >50 To 100, Add* | *3.36* | |
| | | *For >500 To 1,000, Deduct* | *-3.36* | |
| | | *For >1,000, Deduct* | *-5.86* | |
| 32 16 13 19-0031 | LF | 3' Wide Cast In Place Concrete Valley Gutter, 8" Thick | 39.08 | |
| | | *For Up To 20, Add* | *17.73* | |
| | | *For >20 To 50, Add* | *9.86* | |
| | | *For >50 To 100, Add* | *3.94* | |
| | | *For >500 To 1,000, Deduct* | *-3.94* | |
| | | *For >1,000, Deduct* | *-6.88* | |
| 32 16 13 19-0032 | LF | 3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick | 45.10 | |
| | | *For Up To 20, Add* | *20.34* | |
| | | *For >20 To 50, Add* | *11.30* | |
| | | *For >50 To 100, Add* | *4.52* | |
| | | *For >500 To 1,000, Deduct* | *-4.52* | |
| | | *For >1,000, Deduct* | *-7.91* | |
| 32 16 13 19-0033 | LF | 4' Wide Cast In Place Concrete Valley Gutter, 8" Thick | 51.12 | |
| | | *For Up To 20, Add* | *22.95* | |
| | | *For >20 To 50, Add* | *12.75* | |
| | | *For >50 To 100, Add* | *5.10* | |
| | | *For >500 To 1,000, Deduct* | *-5.10* | |
| | | *For >1,000, Deduct* | *-8.93* | |
| 32 16 13 19-0034 | LF | 5' Wide Cast In Place Concrete Valley Gutter, 8" Thick | 60.72 | |
| 32 16 13 19-0035 | LF | 6' Wide Cast In Place Concrete Valley Gutter, 8" Thick | 69.93 | |
| 32 16 13 19-0036 | SF | >6' Wide Cast In Place Concrete Valley Gutter, 8" Thick | 11.66 | |
| | | *For Up To 100, Add* | *4.95* | |
| | | *For >100 To 250, Add* | *2.74* | |
| | | *For >250 To 500, Add* | *1.11* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.11* | |
| | | *For >5,000, Deduct* | *-1.95* | |

## 32 16 13 23 Precast Concrete Curbs and Gutters *(32 16 13)*

### 32 16 13 23-0001 Precast Concrete Curb *(32 16 13 23)*

| | | | | |
|---|---|---|---|---|
| 32 16 13 23-0002 | LF | 6" Precast Concrete Curb With 6" Face (Type C1-6)<br>Note: Grouted #4 x 10" rebar at 4' on center. | 23.67 | 11.32 |
| | | *For 8:12 Batter (Type C2-6), Add* | *1.24* | |
| 32 16 13 23-0003 | LF | 6" Precast Concrete Curb With 8" Face (Type C1-8)<br>Note: Grouted #4 x 10" rebar at 4' on center. | 26.04 | 11.32 |
| 32 16 13 23-0004 | LF | 6" x 18" Precast Concrete Curb | 47.34 | 11.32 |
| 32 16 13 23-0005 | LF | 6" x 18" Precast Concrete Curb, Radius | 56.45 | 13.01 |
| 32 16 13 23-0006 | LF | 6" x 20" Precast Concrete Curb | 50.16 | 11.32 |
| 32 16 13 23-0007 | LF | 6" x 20" Precast Concrete Curb, Radius | 60.18 | 13.01 |
| 32 16 13 23-0008 | LF | 7" x 18" Precast Concrete Curb | 51.45 | 11.32 |
| 32 16 13 23-0009 | LF | 7" x 18" Precast Concrete Curb, Radius | 61.67 | 13.01 |
| 32 16 13 23-0010 | LF | 7" x 20" Precast Concrete Curb | 54.65 | 11.32 |
| 32 16 13 23-0011 | LF | 7" x 20" Precast Concrete Curb, Radius | 65.73 | 13.01 |

## 32 16 13 33 Asphalt Curbs *(32 16 13)*

### 32 16 13 33-0001 Asphalt Curbs *(32 16 13 33)*

| | | | | |
|---|---|---|---|---|
| 32 16 13 33-0002 | LF | 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain | 14.58 | 6.00 |
| 32 16 13 33-0003 | LF | 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain | 16.41 | 6.67 |
| 32 16 13 33-0004 | LF | 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain | 18.08 | 7.34 |

## 32 16 13 43 Stone Curbs *(32 16 13)*

### 32 16 13 43-0001 Remove And Reset Stone And Precast Curbing *(32 16 13 43)*

Note: Includes storage and cleaning.

| | | | | |
|---|---|---|---|---|
| 32 16 13 43-0002 | LF | Removal And Resetting Of Stone Or Precast Curbing<br>Note: Includes storage and cleaning. | 36.73 | |

## 32 16 23 Sidewalks *(32 16)*

### 32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 16 23 00-0002 | SF | 4" Cast In Place Concrete Sidewalk | 9.37 | |
| | | *For Up To 100, Add* | *4.00* | |
| | | *For >100 To 500, Add* | *1.13* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.50* | |
| | | *For >5,000 To 10,000, Deduct* | *-1.13* | |
| | | *For >10,000 To 20,000, Deduct* | *-1.53* | |
| | | *For >20,000, Deduct* | *-1.93* | |
| | | *For 3,500 PSI Concrete, Add* | *0.13* | |
| | | *For 4,000 PSI Concrete, Add* | *0.22* | |
| | | *For 4,500 PSI Concrete, Add* | *0.26* | |
| | | *For Welded Wire Reinforcement, Add* | *0.85* | |
| 32 16 23 00-0003 | SF | 5" Cast In Place Concrete Sidewalk | 10.23 | |
| | | *For Up To 100, Add* | *4.27* | |
| | | *For >100 To 500, Add* | *1.20* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.51* | |
| | | *For >5,000 To 10,000, Deduct* | *-1.20* | |
| | | *For >10,000 To 20,000, Deduct* | *-1.62* | |
| | | *For >20,000, Deduct* | *-2.05* | |
| | | *For 3,500 PSI Concrete, Add* | *0.16* | |
| | | *For 4,000 PSI Concrete, Add* | *0.27* | |
| | | *For 4,500 PSI Concrete, Add* | *0.31* | |
| | | *For Welded Wire Reinforcement, Add* | *0.85* | |
| 32 16 23 00-0004 | SF | 6" Cast In Place Concrete Sidewalk | 11.11 | |
| | | *For Up To 100, Add* | *4.56* | |
| | | *For >100 To 500, Add* | *1.27* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.53* | |
| | | *For >5,000 To 10,000, Deduct* | *-1.27* | |
| | | *For >10,000 To 20,000, Deduct* | *-1.72* | |
| | | *For >20,000, Deduct* | *-2.18* | |
| | | *For 3,500 PSI Concrete, Add* | *0.18* | |
| | | *For 4,000 PSI Concrete, Add* | *0.32* | |
| | | *For 4,500 PSI Concrete, Add* | *0.37* | |
| | | *For Welded Wire Reinforcement, Add* | *0.85* | |
| 32 16 23 00-0005 | SF | 7" Cast In Place Concrete Sidewalk | 12.90 | |
| | | *For Up To 100, Add* | *5.24* | |
| | | *For >100 To 500, Add* | *1.45* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.60* | |
| | | *For >5,000 To 10,000, Deduct* | *-1.45* | |
| | | *For >10,000 To 20,000, Deduct* | *-1.97* | |
| | | *For >20,000, Deduct* | *-2.50* | |
| | | *For 3,500 PSI Concrete, Add* | *0.22* | |
| | | *For 4,000 PSI Concrete, Add* | *0.39* | |
| | | *For 4,500 PSI Concrete, Add* | *0.45* | |
| | | *For Welded Wire Reinforcement, Add* | *0.85* | |
| 32 16 23 00-0006 | SF | 8" Cast In Place Concrete Sidewalk | 13.68 | |
| | | *For Up To 100, Add* | *5.47* | |
| | | *For >100 To 500, Add* | *1.51* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.62* | |
| | | *For >5,000 To 10,000, Deduct* | *-1.51* | |
| | | *For >10,000 To 20,000, Deduct* | *-2.05* | |
| | | *For >20,000, Deduct* | *-2.60* | |
| | | *For 3,500 PSI Concrete, Add* | *0.25* | |
| | | *For 4,000 PSI Concrete, Add* | *0.44* | |
| | | *For 4,500 PSI Concrete, Add* | *0.51* | |
| | | *For Welded Wire Reinforcement, Add* | *0.85* | |
| 32 16 23 00-0007 | SF | For Exposed Aggregate Finish In Sidewalk | 2.54 | |
| 32 16 23 00-0008 | EA | Finish Concrete Handicap Drop Section In Sidewalk<br>Note: Excludes patterned (tactile) finish. | 152.55 | |
| 32 16 23 00-0009 | LF | For Hand Trowel Finish At Sidewalk Edges (Picture Frame) | 2.54 | |

## 32 16 23 00-0010 Bituminous Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

| | | | | |
|---|---|---|---|---|
| 32 16 23 00-0011 | SY | 1" Bituminous Sidewalk | 10.58 | |
| | | *For Up To 100, Add* | *3.99* | |
| | | *For >100 To 500, Add* | *1.07* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.54* | |
| | | *For >5,000, Deduct* | *-1.07* | |
| 32 16 23 00-0012 | SY | 1-1/2" Bituminous Sidewalk | 13.26 | |
| | | *For Up To 100, Add* | *4.92* | |
| | | *For >100 To 500, Add* | *1.31* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.64* | |
| | | *For >5,000, Deduct* | *-1.31* | |
| 32 16 23 00-0013 | SY | 2" Bituminous Sidewalk | 18.37 | |
| | | *For Up To 100, Add* | *6.59* | |
| | | *For >100 To 500, Add* | *1.72* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.80* | |
| | | *For >5,000, Deduct* | *-1.72* | |
| 32 16 23 00-0014 | SY | 2-1/2" Bituminous Sidewalk | 22.96 | |
| | | *For Up To 100, Add* | *8.21* | |
| | | *For >100 To 500, Add* | *2.14* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.99* | |
| | | *For >5,000, Deduct* | *-2.14* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 16 23 00-0015 | SY | 3" Bituminous Sidewalk | 26.41 | |
| | | *For Up To 100, Add* | *9.28* | |
| | | *For >100 To 500, Add* | *2.39* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.07* | |
| | | *For >5,000, Deduct* | *-2.39* | |
| 32 16 23 00-0016 | SY | 3-1/2" Bituminous Sidewalk | 30.49 | |
| | | *For Up To 100, Add* | *10.57* | |
| | | *For >100 To 500, Add* | *2.70* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.18* | |
| | | *For >5,000, Deduct* | *-2.70* | |

### 32 16 43 Asphalt Dike *(32 16)*

32 16 43 00-0001 Asphalt Dike *(32 16 43)*

| | | | | |
|---|---|---|---|---|
| 32 16 43 00-0002 | LF | Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height | 7.73 | |
| 32 16 43 00-0003 | LF | Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height | 10.59 | |
| 32 16 43 00-0004 | LF | Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height | 10.59 | |
| 32 16 43 00-0005 | LF | Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height | 15.13 | |
| 32 16 43 00-0006 | LF | Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height | 17.93 | |
| 32 16 43 00-0007 | LF | Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height | 4.09 | |
| 32 16 43 00-0008 | LF | Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back | 10.98 | |
| 32 16 43 00-0009 | LF | Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back | 16.97 | |
| 32 16 43 00-0010 | LF | CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height | 7.73 | |
| 32 16 43 00-0011 | LF | CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height | 4.09 | |
| 32 16 43 00-0012 | LF | CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back | 16.97 | |
| 32 16 43 00-0013 | LF | CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back | 10.98 | |
| 32 16 43 00-0014 | LF | CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height | 5.99 | |

## 32 17 Paving Specialties *(32 10)*

### 32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

#### 32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

| | | | | |
|---|---|---|---|---|
| 32 17 13 16-0001 | EA | 4" x 6" x 4' Recycled Plastic Wheel Stop | 181.46 | 8.28 |
| 32 17 13 16-0002 | EA | 4" x 6" x 6' Recycled Plastic Wheel Stop | 205.29 | 8.28 |

#### 32 17 13 19 Precast Concrete Parking Bumpers *(32 17 13)*

| | | | | |
|---|---|---|---|---|
| 32 17 13 19-0001 | EA | 6" x 8" x 4' Precast Concrete Wheel Stop With Dowels | 75.81 | 24.93 |
| 32 17 13 19-0002 | EA | 6" x 6" x 6' Precast Concrete Wheel Stop With Dowels | 86.20 | 24.93 |
| 32 17 13 19-0003 | EA | 6" x 8" x 6' Precast Concrete Wheel Stop With Dowels | 89.80 | 24.93 |
| 32 17 13 19-0004 | EA | 6" x 10" x 6' Precast Concrete Wheel Stop With Dowels | 93.87 | 24.93 |
| 32 17 13 19-0005 | EA | 4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels | 87.82 | 24.93 |
| 32 17 13 19-0006 | EA | 8" x 13" x 6' Precast Concrete Wheel Stop With Dowels | 110.27 | 24.93 |
| 32 17 13 19-0007 | EA | Removal And Relocation Of Precast Concrete Wheel Stop | 39.90 | |
| 32 17 13 19-0008 | EA | Removal And Relocation Of Plastic Or Wood Wheel Stop | 25.94 | |

#### 32 17 13 23 Rubber Parking Bumpers *(32 17 13)*

| | | | | |
|---|---|---|---|---|
| 32 17 13 23-0001 | EA | 3' Recycled Rubber Wheel Stop | 32.50 | 8.28 |
| 32 17 13 23-0002 | EA | 4' Recycled Rubber Wheel Stop | 37.45 | 8.28 |
| 32 17 13 23-0003 | EA | 5' Recycled Rubber Wheel Stop | 39.43 | 8.28 |
| 32 17 13 23-0004 | EA | 6' Recycled Rubber Wheel Stop | 42.39 | 8.28 |

#### 32 17 13 26 Wood Parking Bumpers *(32 17 13)*

| | | | | |
|---|---|---|---|---|
| 32 17 13 26-0001 | LF | 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated | 10.77 | 2.00 |
| 32 17 13 26-0002 | LF | 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated | 13.60 | 2.00 |

### 32 17 16 Manufactured Traffic-Calming Devices *(32 17)*

32 17 16 00-0001 Modular Rubber Speed Tables *(32 17 16)*

Note: 3" high flat-topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

| | | | |
|---|---|---|---|
| 32 17 16 00-0002 | SF | Up To 24' Road Width x 7' Run Modular Rubber Speed Table<br>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels. | 67.51 |
| 32 17 16 00-0003 | SF | Up To 24' Road Width x 14' Run Modular Rubber Speed Table<br>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels. | 58.98 |
| 32 17 16 00-0004 | SF | Up To 24' Road Width x 21' Run Modular Rubber Speed Table<br>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels. | 55.41 |
| 32 17 16 00-0005 | SF | >24' To 30' Road Width x 7' Run Modular Rubber Speed Table<br>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels. | 64.61 |
| 32 17 16 00-0006 | SF | >24' To 30' Road Width x 14' Run Modular Rubber Speed Table<br>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels. | 56.88 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 16 00-0007 | SF | >24' To 30' Road Width x 21' Run Modular Rubber Speed Table<br>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels. | 53.73 | |
| 32 17 16 00-0008 | SF | >30' To 40' Road Width x 7' Run Modular Rubber Speed Table<br>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels. | 61.75 | |
| 32 17 16 00-0009 | SF | >30' To 40' Road Width x 14' Run Modular Rubber Speed Table<br>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels. | 55.22 | |
| 32 17 16 00-0010 | SF | >30' To 40' Road Width x 21' Run Modular Rubber Speed Table<br>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels. | 52.35 | |
| 32 17 16 00-0011 | | Asphalt Speed Table *(32 17 16)*<br>Note: Excludes pavement markings or reflectors. | | |
| 32 17 16 00-0012 | LF | Up to 36" Run, Asphalt Speed Table With 3" Center Crown<br>Note: Tapered on edges to roadway. | 41.73 | |
| 32 17 16 00-0013 | LF | >36" To 48" Run, Asphalt Speed Table With 3" Center Crown<br>Note: Tapered on edges to roadway. | 49.23 | |
| 32 17 16 00-0014 | LF | Up to 36" Run, Asphalt Speed Table With 4" Center Crown<br>Note: Tapered on edges to roadway. | 52.44 | |
| 32 17 16 00-0015 | LF | >36" To 48" Run, Asphalt Speed Table With 4" Center Crown<br>Note: Tapered on edges to roadway. | 61.90 | |
| 32 17 16 00-0016 | LF | Up to 36" Run, Asphalt Speed Table With 6" Center Crown<br>Note: Tapered on edges to roadway. | 64.22 | |
| 32 17 16 00-0017 | LF | >36" To 48" Run, Asphalt Speed Table With 6" Center Crown<br>Note: Tapered on edges to roadway. | 71.71 | |
| 32 17 16 00-0018 | | Speed Bumps *(32 17 16)*<br>Note: Excludes pavement markings or reflectors. | | |
| 32 17 16 00-0019 | LF | 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump | 39.60 | 1.95 |
| 32 17 16 00-0020 | LF | 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump | 30.06 | 1.29 |
| 32 17 16 00-0021 | LF | 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump | 157.28 | 1.29 |

## 32 17 23 Pavement Markings *(32 17)*

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

### 32 17 23 13 Painted Pavement Markings *(32 17 23)*

| | | | |
|---|---|---|---|
| 32 17 23 13-0001 | | Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 13)*<br>Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat. | |
| 32 17 23 13-0002 | | Epoxy Reflective Pavement Marking *(32 17 23 13-0001)*<br>Note: 15 mil thickness. | |
| 32 17 23 13-0003 | LF | Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping | 0.62 |
| | | *For 20 Mil Thickness, Add* | *0.14* |
| | | *For Up To 5,000 LF, Add* | *0.12* |
| | | *For >25,000 LF, Deduct* | *-0.09* |
| | | *For Broken Line, Deduct* | *-0.30* |
| 32 17 23 13-0004 | LF | Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping | 0.88 |
| | | *For 20 Mil Thickness, Add* | *0.22* |
| | | *For Up To 5,000 LF, Add* | *0.18* |
| | | *For >25,000 LF, Deduct* | *-0.13* |
| | | *For Broken Line, Deduct* | *-0.46* |
| 32 17 23 13-0005 | LF | Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping | 1.07 |
| | | *For 20 Mil Thickness, Add* | *0.26* |
| | | *For Up To 5,000 LF, Add* | *0.21* |
| | | *For >25,000 LF, Deduct* | *-0.16* |
| | | *For Broken Line, Deduct* | *-0.54* |
| 32 17 23 13-0006 | LF | Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping | 1.63 |
| | | *For 20 Mil Thickness, Add* | *0.42* |
| | | *For Up To 5,000 LF, Add* | *0.33* |
| | | *For >25,000 LF, Deduct* | *-0.24* |
| | | *For Broken Line, Deduct* | *-0.89* |
| 32 17 23 13-0007 | LF | Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping | 1.01 |
| | | *For 20 Mil Thickness, Add* | *0.27* |
| | | *For Up To 5,000 LF, Add* | *0.20* |
| | | *For >25,000 LF, Deduct* | *-0.15* |
| | | *For Broken Line On One Side, Deduct* | *-0.30* |
| | | *For Double Broken Line, Deduct* | *-0.59* |
| 32 17 23 13-0008 | LF | Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping | 1.46 |
| | | *For 20 Mil Thickness, Add* | *0.41* |
| | | *For Up To 5,000 LF, Add* | *0.29* |
| | | *For >25,000 LF, Deduct* | *-0.22* |
| | | *For Broken Line On One Side, Deduct* | *-0.45* |
| | | *For Double Broken Line, Deduct* | *-0.89* |
| 32 17 23 13-0009 | EA | 6" High, Letter/Number, Epoxy Reflective Pavement Marking | 4.28 |
| | | *For 20 Mil Thickness, Add* | *0.45* |
| | | *For <10, Add* | *0.51* |
| | | *For >50 To 100, Deduct* | *-0.26* |
| | | *For >100 To 200, Deduct* | *-0.34* |
| | | *For >200, Deduct* | *-0.69* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 23 13-0010 | EA | 12" High, Letter/Number, Epoxy Reflective Pavement Marking | 8.25 | |
| | | *For 20 Mil Thickness, Add* | *1.28* | |
| | | *For <10, Add* | *0.78* | |
| | | *For >50 To 100, Deduct* | *-0.39* | |
| | | *For >100 To 200, Deduct* | *-0.52* | |
| | | *For >200, Deduct* | *-1.04* | |
| 32 17 23 13-0011 | EA | 24" High, Letter/Number, Epoxy Reflective Pavement Marking | 13.99 | |
| | | *For 20 Mil Thickness, Add* | *2.22* | |
| | | *For <10, Add* | *1.29* | |
| | | *For >50 To 100, Deduct* | *-0.65* | |
| | | *For >100 To 200, Deduct* | *-0.86* | |
| | | *For >200, Deduct* | *-1.72* | |
| 32 17 23 13-0012 | EA | 36" High, Letter/Number, Epoxy Reflective Pavement Marking | 26.67 | |
| | | *For 20 Mil Thickness, Add* | *4.01* | |
| | | *For <10, Add* | *2.58* | |
| | | *For >50 To 100, Deduct* | *-1.29* | |
| | | *For >100 To 200, Deduct* | *-1.72* | |
| | | *For >200, Deduct* | *-3.44* | |
| 32 17 23 13-0013 | EA | 48" High, Letter/Number, Epoxy Reflective Pavement Marking | 31.61 | |
| | | *For 20 Mil Thickness, Add* | *5.07* | |
| | | *For <10, Add* | *2.90* | |
| | | *For >50 To 100, Deduct* | *-1.45* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-3.86* | |
| 32 17 23 13-0014 | EA | 72" High, Letter/Number, Epoxy Reflective Pavement Marking | 56.81 | |
| | | *For 20 Mil Thickness, Add* | *9.21* | |
| | | *For <10, Add* | *5.15* | |
| | | *For >50 To 100, Deduct* | *-2.58* | |
| | | *For >100 To 200, Deduct* | *-3.43* | |
| | | *For >200, Deduct* | *-6.87* | |
| 32 17 23 13-0015 | EA | 96" High, Letter/Number, Epoxy Reflective Pavement Marking | 75.68 | |
| | | *For 20 Mil Thickness, Add* | *12.16* | |
| | | *For <10, Add* | *6.92* | |
| | | *For >50 To 100, Deduct* | *-3.46* | |
| | | *For >100 To 200, Deduct* | *-4.61* | |
| | | *For >200, Deduct* | *-9.22* | |
| 32 17 23 13-0016 | EA | 120" High, Letter/Number, Epoxy Reflective Pavement Marking | 123.14 | |
| | | *For 20 Mil Thickness, Add* | *24.85* | |
| | | *For <10, Add* | *8.57* | |
| | | *For >50 To 100, Deduct* | *-4.29* | |
| | | *For >100 To 200, Deduct* | *-5.72* | |
| | | *For >200, Deduct* | *-11.43* | |
| 32 17 23 13-0017 | SF | Letter/Number, Epoxy Reflective Pavement Marking | 7.31 | |
| | | *For 20 Mil Thickness, Add* | *0.97* | |
| 32 17 23 13-0018 | SF | Symbols, Epoxy Reflective Pavement Marking<br>Note: Handicap, railroad, diamond, arrows, etc. | 9.06 | |
| | | *For 20 Mil Thickness, Add* | *1.06* | |

## 32 17 23 13-0019 Painted Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

| | | | | |
|---|---|---|---|---|
| 32 17 23 13-0020 | LF | Single 4" Wide Solid Line, Painted Reflective Pavement Striping | 0.31 | |
| | | *For Up To 5,000 LF, Add* | *0.06* | |
| | | *For >25,000 LF, Deduct* | *-0.05* | |
| | | *For Broken Line, Deduct* | *-0.07* | |
| 32 17 23 13-0021 | LF | Single 6" Wide Solid Line, Painted Reflective Pavement Striping | 0.40 | |
| | | *For Up To 5,000 LF, Add* | *0.08* | |
| | | *For >25,000 LF, Deduct* | *-0.06* | |
| | | *For Broken Line, Deduct* | *-0.10* | |
| 32 17 23 13-0022 | LF | Single 8" Wide Solid Line, Painted Reflective Pavement Striping | 0.51 | |
| | | *For Up To 5,000 LF, Add* | *0.10* | |
| | | *For >25,000 LF, Deduct* | *-0.08* | |
| | | *For Broken Line, Deduct* | *-0.12* | |
| 32 17 23 13-0023 | LF | Single 12" Wide Solid Line, Painted Reflective Pavement Striping | 0.69 | |
| | | *For Up To 5,000 LF, Add* | *0.14* | |
| | | *For >25,000 LF, Deduct* | *-0.10* | |
| | | *For Broken Line, Deduct* | *-0.18* | |
| 32 17 23 13-0024 | LF | Double 4" Wide Solid Lines, Painted Reflective Pavement Striping | 0.46 | |
| | | *For Up To 5,000 LF, Add* | *0.09* | |
| | | *For >25,000 LF, Deduct* | *-0.07* | |
| | | *For Broken Line On One Side, Deduct* | *-0.06* | |
| | | *For Double Broken Line, Deduct* | *-0.12* | |
| 32 17 23 13-0025 | LF | Double 6" Wide Solid Lines, Painted Reflective Pavement Striping | 0.68 | |
| | | *For Up To 5,000 LF, Add* | *0.14* | |
| | | *For >25,000 LF, Deduct* | *-0.10* | |
| | | *For Broken Line On One Side, Deduct* | *-0.09* | |
| | | *For Double Broken Line, Deduct* | *-0.18* | |
| 32 17 23 13-0026 | SF | Solid Area, Painted Reflective Pavement Striping<br>Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc. | 5.25 | |
| 32 17 23 13-0027 | EA | 6" High, Letter/Number, Painted Reflective Pavement Marking | 3.90 | |
| | | *For <10, Add* | *0.51* | |
| | | *For >50 To 100, Deduct* | *-0.26* | |
| | | *For >100 To 200, Deduct* | *-0.34* | |
| | | *For >200, Deduct* | *-0.69* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 23 13-0028 | EA | 12" High, Letter/Number, Painted Reflective Pavement Marking | 6.89 | |
| | | *For <10, Add* | *0.78* | |
| | | *For >50 To 100, Deduct* | *-0.39* | |
| | | *For >100 To 200, Deduct* | *-0.52* | |
| | | *For >200, Deduct* | *-1.04* | |
| 32 17 23 13-0029 | EA | 24" High, Letter/Number, Painted Reflective Pavement Marking | 11.61 | |
| | | *For <10, Add* | *1.29* | |
| | | *For >50 To 100, Deduct* | *-0.65* | |
| | | *For >100 To 200, Deduct* | *-0.86* | |
| | | *For >200, Deduct* | *-1.72* | |
| 32 17 23 13-0030 | EA | 36" High, Letter/Number, Painted Reflective Pavement Marking | 22.48 | |
| | | *For <10, Add* | *2.58* | |
| | | *For >50 To 100, Deduct* | *-1.29* | |
| | | *For >100 To 200, Deduct* | *-1.72* | |
| | | *For >200, Deduct* | *-3.44* | |
| 32 17 23 13-0031 | EA | 48" High, Letter/Number, Painted Reflective Pavement Marking | 26.16 | |
| | | *For <10, Add* | *2.90* | |
| | | *For >50 To 100, Deduct* | *-1.45* | |
| | | *For >100 To 200, Deduct* | *-1.93* | |
| | | *For >200, Deduct* | *-3.86* | |
| 32 17 23 13-0032 | EA | 72" High, Letter/Number, Painted Reflective Pavement Marking | 46.85 | |
| | | *For <10, Add* | *5.15* | |
| | | *For >50 To 100, Deduct* | *-2.58* | |
| | | *For >100 To 200, Deduct* | *-3.43* | |
| | | *For >200, Deduct* | *-6.87* | |
| 32 17 23 13-0033 | EA | 96" High, Letter/Number, Painted Reflective Pavement Marking | 62.58 | |
| | | *For <10, Add* | *6.92* | |
| | | *For >50 To 100, Deduct* | *-3.46* | |
| | | *For >100 To 200, Deduct* | *-4.61* | |
| | | *For >200, Deduct* | *-9.22* | |
| 32 17 23 13-0034 | EA | 120" High, Letter/Number, Painted Reflective Pavement Marking | 93.89 | |
| | | *For <10, Add* | *8.57* | |
| | | *For >50 To 100, Deduct* | *-4.29* | |
| | | *For >100 To 200, Deduct* | *-5.72* | |
| | | *For >200, Deduct* | *-11.43* | |
| 32 17 23 13-0035 | SF | Letter/Number, Painted Reflective Pavement Marking<br>Note: Includes solvent based and latex paints. | 6.37 | |
| 32 17 23 13-0036 | SF | Symbols, Painted Reflective Pavement Marking<br>Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints. | 7.54 | |

## 32 17 23 13-0037 Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

Note: Includes primers. Per Coat.

## 32 17 23 13-0038 Painted Pavement Marking For Parking Areas *(32 17 23 13-0037)*

Note: 15 mil thickness.

| | | | | |
|---|---|---|---|---|
| 32 17 23 13-0039 | LF | Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas | 1.15 | |
| 32 17 23 13-0040 | LF | Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas | 1.25 | |
| 32 17 23 13-0041 | LF | Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas | 1.34 | |
| 32 17 23 13-0042 | LF | Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas | 1.50 | |
| 32 17 23 13-0043 | EA | 6" High, Letter/Number, Painted Pavement Marking For Parking Areas | 3.80 | |
| | | *For Up To 10, Add* | *0.50* | |
| | | *For >50 To 100, Deduct* | *-0.25* | |
| | | *For >100 To 200, Deduct* | *-0.33* | |
| | | *For >200, Deduct* | *-0.67* | |
| 32 17 23 13-0044 | EA | 12" High, Letter/Number, Painted Pavement Marking For Parking Areas | 6.67 | |
| | | *For Up To 10, Add* | *0.75* | |
| | | *For >50 To 100, Deduct* | *-0.38* | |
| | | *For >100 To 200, Deduct* | *-0.50* | |
| | | *For >200, Deduct* | *-1.00* | |
| 32 17 23 13-0045 | EA | 24" High, Letter/Number, Painted Pavement Marking For Parking Areas | 11.25 | |
| | | *For Up To 10, Add* | *1.25* | |
| | | *For >50 To 100, Deduct* | *-0.63* | |
| | | *For >100 To 200, Deduct* | *-0.84* | |
| | | *For >200, Deduct* | *-1.67* | |
| 32 17 23 13-0046 | EA | 36" High, Letter/Number, Painted Pavement Marking For Parking Areas | 20.97 | |
| | | *For Up To 10, Add* | *2.38* | |
| | | *For >50 To 100, Deduct* | *-1.19* | |
| | | *For >100 To 200, Deduct* | *-1.59* | |
| | | *For >200, Deduct* | *-3.17* | |
| 32 17 23 13-0047 | EA | 42" High, Letter/Number, Painted Pavement Marking For Parking Areas | 27.58 | |
| | | *For Up To 10, Add* | *3.26* | |
| | | *For >50 To 100, Deduct* | *-1.63* | |
| | | *For >100 To 200, Deduct* | *-2.17* | |
| | | *For >200, Deduct* | *-4.34* | |
| 32 17 23 13-0048 | EA | 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas | 33.37 | |
| | | *For Up To 10, Add* | *4.01* | |
| | | *For >50 To 100, Deduct* | *-2.01* | |
| | | *For >100 To 200, Deduct* | *-2.67* | |
| | | *For >200, Deduct* | *-5.35* | |
| 32 17 23 13-0049 | EA | 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas | 45.52 | |
| | | *For Up To 10, Add* | *5.01* | |
| | | *For >50 To 100, Deduct* | *-2.51* | |
| | | *For >100 To 200, Deduct* | *-3.34* | |
| | | *For >200, Deduct* | *-6.68* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 23 13-0050 | EA | Through Lane Arrow, Painted Pavement Marking For Parking Areas<br>Note: Approximate overall dimensions: 3-1/2' width x 10' height. | 86.25 | |
| 32 17 23 13-0051 | EA | Turn Lane Arrow, Painted Pavement Marking For Parking Areas<br>Note: Approximate overall dimensions: 6' width x 8' height. | 101.16 | |
| 32 17 23 13-0052 | EA | Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas<br>Note: Approximate overall dimensions: 11' width x 8' height. | 150.21 | |
| 32 17 23 13-0053 | EA | Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas<br>Note: Approximate overall dimensions: 7' width x 13' height. | 153.65 | |
| 32 17 23 13-0054 | EA | Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas<br>Note: Approximate overall dimensions: 9' width x 15' height. | 205.76 | |
| 32 17 23 13-0055 | EA | Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas<br>Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping. | 33.24 | |
| | | *For Blue Background With White Symbol, Add* | *27.82* | |
| | | *For Blue Background With White Symbol And Border, Add* | *34.78* | |
| 32 17 23 13-0056 | EA | Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas<br>Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping. | 51.83 | |
| | | *For Blue Background With White Symbol, Add* | *60.32* | |
| | | *For Blue Background With White Symbol And Border, Add* | *75.40* | |

## 32 17 23 13-0057 Painted Curbs *(32 17 23 13)*

Note: All colors.

| | | | | |
|---|---|---|---|---|
| 32 17 23 13-0058 | LF | Reflective Painted Curb | 3.06 | |
| 32 17 23 13-0059 | LF | Reflective Painted Curb And Gutter | 5.88 | |
| 32 17 23 13-0060 | LF | Painted Curb | 2.49 | |
| 32 17 23 13-0061 | LF | Painted Curb And Gutter | 5.39 | |

## 32 17 23 13-0062 Markings For Outdoor Play Areas, Courts *(32 17 23 13)*

| | | | | |
|---|---|---|---|---|
| 32 17 23 13-0063 | LF | 2" Wide Marking For Outdoor Play Areas | 1.17 | |
| 32 17 23 13-0064 | LF | 3" Wide Marking For Outdoor Play Areas | 1.31 | |
| 32 17 23 13-0065 | LF | 4" Wide Marking For Outdoor Play Areas | 1.49 | |
| 32 17 23 13-0066 | LF | 6" Wide Marking For Outdoor Play Areas | 1.76 | |
| 32 17 23 13-0067 | EA | Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera) | 296.69 | |

## 32 17 23 13-0068 Painted Reflective Pavement Marking (CALTRANS) *(32 17 23 13)*

Note: 20 to 25 mil thickness, per LF of detail.

| | | | | |
|---|---|---|---|---|
| 32 17 23 13-0069 | LF | CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping | 0.25 | |
| | | *For Up To 5,000 LF, Add* | *0.05* | |
| | | *For >25,000 LF, Deduct* | *-0.04* | |
| | | *For Two Coats, Add* | *0.25* | |
| 32 17 23 13-0070 | LF | CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping | 0.43 | |
| | | *For Up To 5,000 LF, Add* | *0.09* | |
| | | *For >25,000 LF, Deduct* | *-0.06* | |
| | | *For Two Coats, Add* | *0.43* | |
| 32 17 23 13-0071 | LF | CALTRANS Detail 4 Centerline | 1.07 | |
| | | *For Up To 5,000 LF, Add* | *0.21* | |
| | | *For >25,000 LF, Deduct* | *-0.16* | |
| | | *For Two Coats, Add* | *1.07* | |
| 32 17 23 13-0072 | LF | CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping | 0.24 | |
| | | *For Up To 5,000 LF, Add* | *0.05* | |
| | | *For >25,000 LF, Deduct* | *-0.04* | |
| | | *For Two Coats, Add* | *0.24* | |
| 32 17 23 13-0073 | LF | CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping | 0.44 | |
| | | *For Up To 5,000 LF, Add* | *0.09* | |
| | | *For >25,000 LF, Deduct* | *-0.07* | |
| | | *For Two Coats, Add* | *0.44* | |
| 32 17 23 13-0074 | LF | CALTRANS Detail 7 Centerline | 0.78 | |
| | | *For Up To 5,000 LF, Add* | *0.16* | |
| | | *For >25,000 LF, Deduct* | *-0.12* | |
| | | *For Two Coats, Add* | *0.78* | |
| 32 17 23 13-0075 | LF | CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping | 0.25 | |
| | | *For Up To 5,000 LF, Add* | *0.05* | |
| | | *For >25,000 LF, Deduct* | *-0.04* | |
| | | *For Two Coats, Add* | *0.25* | |
| 32 17 23 13-0076 | LF | CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping | 0.43 | |
| | | *For Up To 5,000 LF, Add* | *0.09* | |
| | | *For >25,000 LF, Deduct* | *-0.06* | |
| | | *For Two Coats, Add* | *0.43* | |
| 32 17 23 13-0077 | LF | CALTRANS Detail 10 Lanelines | 1.07 | |
| | | *For Up To 5,000 LF, Add* | *0.21* | |
| | | *For >25,000 LF, Deduct* | *-0.16* | |
| | | *For Two Coats, Add* | *1.07* | |
| 32 17 23 13-0078 | LF | CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping | 0.24 | |
| | | *For Up To 5,000 LF, Add* | *0.05* | |
| | | *For >25,000 LF, Deduct* | *-0.04* | |
| | | *For Two Coats, Add* | *0.24* | |
| 32 17 23 13-0079 | LF | CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping | 0.43 | |
| | | *For Up To 5,000 LF, Add* | *0.09* | |
| | | *For >25,000 LF, Deduct* | *-0.06* | |
| | | *For Two Coats, Add* | *0.43* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 23 13-0080 | LF | CALTRANS Detail 13 Lanelines | 0.78 | |
| | | *For Up To 5,000 LF, Add* | *0.16* | |
| | | *For >25,000 LF, Deduct* | *-0.12* | |
| | | *For Two Coats, Add* | *0.78* | |
| 32 17 23 13-0081 | LF | CALTRANS Detail 14 Lanelines | 0.78 | |
| | | *For Up To 5,000 LF, Add* | *0.16* | |
| | | *For >25,000 LF, Deduct* | *-0.12* | |
| | | *For Two Coats, Add* | *0.78* | |
| 32 17 23 13-0082 | LF | CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping | 0.43 | |
| | | *For Up To 5,000 LF, Add* | *0.09* | |
| | | *For >25,000 LF, Deduct* | *-0.06* | |
| | | *For Two Coats, Add* | *0.43* | |
| 32 17 23 13-0083 | LF | CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping | 0.34 | |
| | | *For Up To 5,000 LF, Add* | *0.07* | |
| | | *For >25,000 LF, Deduct* | *-0.05* | |
| | | *For Broken Line On One Side, Deduct* | *-0.05* | |
| | | *For Double Broken Line, Deduct* | *-0.09* | |
| | | *For Two Coats, Add* | *0.34* | |
| 32 17 23 13-0084 | LF | CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping | 1.07 | |
| | | *For Up To 5,000 LF, Add* | *0.21* | |
| | | *For >25,000 LF, Deduct* | *-0.16* | |
| | | *For Two Coats, Add* | *1.07* | |
| 32 17 23 13-0085 | LF | CALTRANS Detail 17 No Passing Zones-One Direction Lanelines | 3.12 | |
| | | *For Up To 5,000 LF, Add* | *0.62* | |
| | | *For >25,000 LF, Deduct* | *-0.47* | |
| | | *For Two Coats, Add* | *3.12* | |
| 32 17 23 13-0086 | LF | CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping | 0.34 | |
| | | *For Up To 5,000 LF, Add* | *0.07* | |
| | | *For >25,000 LF, Deduct* | *-0.05* | |
| | | *For Broken Line On One Side, Deduct* | *-0.05* | |
| | | *For Double Broken Line, Deduct* | *-0.09* | |
| | | *For Two Coats, Add* | *0.34* | |
| 32 17 23 13-0087 | LF | CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping | 0.88 | |
| | | *For Up To 5,000 LF, Add* | *0.18* | |
| | | *For >25,000 LF, Deduct* | *-0.13* | |
| | | *For Two Coats, Add* | *0.88* | |
| 32 17 23 13-0088 | LF | CALTRANS Detail 20 No Passing Zones-One Direction Lanelines | 2.65 | |
| | | *For Up To 5,000 LF, Add* | *0.53* | |
| | | *For >25,000 LF, Deduct* | *-0.40* | |
| | | *For Two Coats, Add* | *2.65* | |
| 32 17 23 13-0089 | LF | CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping | 0.41 | |
| | | *For Up To 5,000 LF, Add* | *0.08* | |
| | | *For >25,000 LF, Deduct* | *-0.06* | |
| | | *For Broken Line On One Side, Deduct* | *-0.07* | |
| | | *For Double Broken Line, Deduct* | *-0.14* | |
| | | *For Two Coats, Add* | *0.41* | |
| 32 17 23 13-0090 | LF | CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping | 1.14 | |
| | | *For Up To 5,000 LF, Add* | *0.23* | |
| | | *For >25,000 LF, Deduct* | *-0.17* | |
| | | *For Two Coats, Add* | *1.14* | |
| 32 17 23 13-0091 | LF | CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines | 3.72 | |
| | | *For Up To 5,000 LF, Add* | *0.74* | |
| | | *For >25,000 LF, Deduct* | *-0.56* | |
| | | *For Two Coats, Add* | *3.72* | |
| 32 17 23 13-0092 | LF | CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping | 0.32 | |
| | | *For Up To 5,000 LF, Add* | *0.06* | |
| | | *For >25,000 LF, Deduct* | *-0.05* | |
| | | *For Two Coats, Add* | *0.32* | |
| 32 17 23 13-0093 | LF | CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping | 0.50 | |
| | | *For Up To 5,000 LF, Add* | *0.10* | |
| | | *For >25,000 LF, Deduct* | *-0.08* | |
| | | *For Two Coats, Add* | *0.50* | |
| 32 17 23 13-0094 | LF | CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping | 0.68 | |
| | | *For Up To 5,000 LF, Add* | *0.14* | |
| | | *For >25,000 LF, Deduct* | *-0.10* | |
| | | *For Two Coats, Add* | *0.68* | |
| 32 17 23 13-0095 | LF | CALTRANS Detail 26 Left Edgelines | 0.18 | |
| | | *For Up To 5,000 LF, Add* | *0.04* | |
| | | *For >25,000 LF, Deduct* | *-0.03* | |
| | | *For Two Coats, Add* | *0.18* | |
| 32 17 23 13-0096 | LF | CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping | 0.60 | |
| | | *For Up To 5,000 LF, Add* | *0.12* | |
| | | *For >25,000 LF, Deduct* | *-0.09* | |
| | | *For Two Coats, Add* | *0.60* | |
| 32 17 23 13-0097 | LF | CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping | 0.32 | |
| | | *For Up To 5,000 LF, Add* | *0.06* | |
| | | *For >25,000 LF, Deduct* | *-0.05* | |
| | | *For Two Coats, Add* | *0.32* | |
| 32 17 23 13-0098 | LF | CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping | 0.24 | |
| | | *For Up To 5,000 LF, Add* | *0.05* | |
| | | *For >25,000 LF, Deduct* | *-0.04* | |
| | | *For Two Coats, Add* | *0.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 23 13-0099 | LF | CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping | 0.83 | |
| | | *For Up To 5,000 LF, Add* | *0.17* | |
| | | *For >25,000 LF, Deduct* | *-0.12* | |
| | | *For Broken Line On One Side, Deduct* | *-0.14* | |
| | | *For Double Broken Line, Deduct* | *-0.29* | |
| | | *For Two Coats, Add* | *0.83* | |
| 32 17 23 13-0100 | LF | CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping | 1.56 | |
| | | *For Up To 5,000 LF, Add* | *0.31* | |
| | | *For >25,000 LF, Deduct* | *-0.23* | |
| | | *For Two Coats, Add* | *1.56* | |
| 32 17 23 13-0101 | LF | CALTRANS Detail 30 Median Islands | 7.45 | |
| | | *For Up To 5,000 LF, Add* | *1.49* | |
| | | *For >25,000 LF, Deduct* | *-1.12* | |
| | | *For Two Coats, Add* | *7.45* | |
| 32 17 23 13-0102 | LF | CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping | 0.69 | |
| | | *For Up To 5,000 LF, Add* | *0.14* | |
| | | *For >25,000 LF, Deduct* | *-0.10* | |
| | | *For Broken Line On One Side, Deduct* | *-0.09* | |
| | | *For Double Broken Line, Deduct* | *-0.18* | |
| | | *For Two Coats, Add* | *0.69* | |
| 32 17 23 13-0103 | LF | CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping | 1.59 | |
| | | *For Up To 5,000 LF, Add* | *0.32* | |
| | | *For >25,000 LF, Deduct* | *-0.24* | |
| | | *For Two Coats, Add* | *1.59* | |
| 32 17 23 13-0104 | LF | CALTRANS Detail 33 Two-Way Left Turn Lanes | 5.11 | |
| | | *For Up To 5,000 LF, Add* | *1.02* | |
| | | *For >25,000 LF, Deduct* | *-0.77* | |
| | | *For Two Coats, Add* | *5.11* | |
| 32 17 23 13-0105 | LF | CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping | 0.88 | |
| | | *For Up To 5,000 LF, Add* | *0.18* | |
| | | *For >25,000 LF, Deduct* | *-0.13* | |
| | | *For Two Coats, Add* | *0.88* | |
| 32 17 23 13-0106 | LF | CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping | 0.34 | |
| | | *For Up To 5,000 LF, Add* | *0.07* | |
| | | *For >25,000 LF, Deduct* | *-0.05* | |
| | | *For Two Coats, Add* | *0.34* | |
| 32 17 23 13-0107 | LF | CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping | 1.07 | |
| | | *For Up To 5,000 LF, Add* | *0.21* | |
| | | *For >25,000 LF, Deduct* | *-0.16* | |
| | | *For Two Coats, Add* | *1.07* | |
| 32 17 23 13-0108 | LF | CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping | 0.34 | |
| | | *For Up To 5,000 LF, Add* | *0.07* | |
| | | *For >25,000 LF, Deduct* | *-0.05* | |
| | | *For Two Coats, Add* | *0.34* | |
| 32 17 23 13-0109 | LF | CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping | 1.75 | |
| | | *For Up To 5,000 LF, Add* | *0.35* | |
| | | *For >25,000 LF, Deduct* | *-0.26* | |
| | | *For Two Coats, Add* | *1.75* | |
| 32 17 23 13-0110 | LF | CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping | 1.10 | |
| | | *For Up To 5,000 LF, Add* | *0.22* | |
| | | *For >25,000 LF, Deduct* | *-0.17* | |
| | | *For Two Coats, Add* | *1.10* | |
| 32 17 23 13-0111 | LF | CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping | 1.19 | |
| | | *For Up To 5,000 LF, Add* | *0.24* | |
| | | *For >25,000 LF, Deduct* | *-0.18* | |
| | | *For Two Coats, Add* | *1.19* | |
| 32 17 23 13-0112 | LF | CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping | 1.10 | |
| | | *For Up To 5,000 LF, Add* | *0.22* | |
| | | *For >25,000 LF, Deduct* | *-0.17* | |
| | | *For Two Coats, Add* | *1.10* | |
| 32 17 23 13-0113 | LF | CALTRANS Detail 37A Lane Drop At Exit Ramps | 2.50 | |
| | | *For Up To 5,000 LF, Add* | *0.50* | |
| | | *For >25,000 LF, Deduct* | *-0.38* | |
| | | *For Two Coats, Add* | *2.50* | |
| 32 17 23 13-0114 | LF | CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping | 1.10 | |
| | | *For Up To 5,000 LF, Add* | *0.22* | |
| | | *For >25,000 LF, Deduct* | *-0.17* | |
| | | *For Two Coats, Add* | *1.10* | |
| 32 17 23 13-0115 | LF | CALTRANS Detail 37C Lane Drop At Intersections | 2.50 | |
| | | *For Up To 5,000 LF, Add* | *0.50* | |
| | | *For >25,000 LF, Deduct* | *-0.38* | |
| | | *For Two Coats, Add* | *2.50* | |
| 32 17 23 13-0116 | LF | CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping | 1.00 | |
| | | *For Up To 5,000 LF, Add* | *0.20* | |
| | | *For >25,000 LF, Deduct* | *-0.15* | |
| | | *For Two Coats, Add* | *1.00* | |
| 32 17 23 13-0117 | LF | CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping | 0.65 | |
| | | *For Up To 5,000 LF, Add* | *0.13* | |
| | | *For >25,000 LF, Deduct* | *-0.10* | |
| | | *For Two Coats, Add* | *0.65* | |
| 32 17 23 13-0118 | LF | CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping | 1.37 | |
| | | *For Up To 5,000 LF, Add* | *0.27* | |
| | | *For >25,000 LF, Deduct* | *-0.21* | |
| | | *For Two Coats, Add* | *1.37* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 23 13-0119 | LF | CALTRANS Detail 38C Channelizing Line | 3.72 | |
| | | *For Up To 5,000 LF, Add* | *0.74* | |
| | | *For >25,000 LF, Deduct* | *-0.56* | |
| | | *For Two Coats, Add* | *3.72* | |
| 32 17 23 13-0120 | LF | CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping | 0.39 | |
| | | *For Up To 5,000 LF, Add* | *0.08* | |
| | | *For >25,000 LF, Deduct* | *-0.06* | |
| | | *For Two Coats, Add* | *0.39* | |
| 32 17 23 13-0121 | LF | CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping | 0.31 | |
| | | *For Up To 5,000 LF, Add* | *0.06* | |
| | | *For >25,000 LF, Deduct* | *-0.05* | |
| | | *For Two Coats, Add* | *0.31* | |
| 32 17 23 13-0122 | LF | CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping | 0.23 | |
| | | *For Up To 5,000 LF, Add* | *0.05* | |
| | | *For >25,000 LF, Deduct* | *-0.03* | |
| | | *For Two Coats, Add* | *0.23* | |
| 32 17 23 13-0123 | LF | CALTRANS Detail 40A Lane Line Extensions Through Intersections | 1.80 | |
| | | *For Up To 5,000 LF, Add* | *0.36* | |
| | | *For >25,000 LF, Deduct* | *-0.27* | |
| | | *For Two Coats, Add* | *1.80* | |
| 32 17 23 13-0124 | LF | CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping | 0.23 | |
| | | *For Up To 5,000 LF, Add* | *0.05* | |
| | | *For >25,000 LF, Deduct* | *-0.03* | |
| | | *For Two Coats, Add* | *0.23* | |
| 32 17 23 13-0125 | LF | CALTRANS Detail 41A Center Line Extensions Through Intersections | 1.80 | |
| | | *For Up To 5,000 LF, Add* | *0.36* | |
| | | *For >25,000 LF, Deduct* | *-0.27* | |
| | | *For Two Coats, Add* | *1.80* | |
| 32 17 23 13-0126 | EA | CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking | 100.75 | |
| | | *For <10, Add* | *12.53* | |
| | | *For >50 To 100, Deduct* | *-6.27* | |
| | | *For >100 To 200, Deduct* | *-8.36* | |
| | | *For >200, Deduct* | *-16.71* | |
| | | *For Two Coats, Add* | *100.75* | |
| 32 17 23 13-0127 | EA | CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking | 176.93 | |
| | | *For <10, Add* | *21.93* | |
| | | *For >50 To 100, Deduct* | *-10.97* | |
| | | *For >100 To 200, Deduct* | *-14.62* | |
| | | *For >200, Deduct* | *-29.24* | |
| | | *For Two Coats, Add* | *176.93* | |
| 32 17 23 13-0128 | EA | CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking | 221.90 | |
| | | *For <10, Add* | *27.57* | |
| | | *For >50 To 100, Deduct* | *-13.79* | |
| | | *For >100 To 200, Deduct* | *-18.38* | |
| | | *For >200, Deduct* | *-36.76* | |
| | | *For Two Coats, Add* | *221.90* | |
| 32 17 23 13-0129 | EA | CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking | 322.65 | |
| | | *For <10, Add* | *40.11* | |
| | | *For >50 To 100, Deduct* | *-20.05* | |
| | | *For >100 To 200, Deduct* | *-26.74* | |
| | | *For >200, Deduct* | *-53.47* | |
| | | *For Two Coats, Add* | *322.65* | |
| 32 17 23 13-0130 | EA | CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking | 423.41 | |
| | | *For <10, Add* | *52.64* | |
| | | *For >50 To 100, Deduct* | *-26.32* | |
| | | *For >100 To 200, Deduct* | *-35.09* | |
| | | *For >200, Deduct* | *-70.19* | |
| | | *For Two Coats, Add* | *423.41* | |
| 32 17 23 13-0131 | EA | CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking | 298.08 | |
| | | *For <10, Add* | *36.97* | |
| | | *For >50 To 100, Deduct* | *-18.49* | |
| | | *For >100 To 200, Deduct* | *-24.65* | |
| | | *For >200, Deduct* | *-49.30* | |
| | | *For Two Coats, Add* | *298.08* | |
| 32 17 23 13-0132 | EA | CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking | 519.98 | |
| | | *For <10, Add* | *64.55* | |
| | | *For >50 To 100, Deduct* | *-32.27* | |
| | | *For >100 To 200, Deduct* | *-43.03* | |
| | | *For >200, Deduct* | *-86.06* | |
| | | *For Two Coats, Add* | *519.98* | |
| 32 17 23 13-0133 | EA | CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking | 106.16 | |
| | | *For <10, Add* | *13.16* | |
| | | *For >50 To 100, Deduct* | *-6.58* | |
| | | *For >100 To 200, Deduct* | *-8.77* | |
| | | *For >200, Deduct* | *-17.55* | |
| | | *For Two Coats, Add* | *106.16* | |
| 32 17 23 13-0134 | EA | CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking | 232.71 | |
| | | *For <10, Add* | *28.83* | |
| | | *For >50 To 100, Deduct* | *-14.41* | |
| | | *For >100 To 200, Deduct* | *-19.22* | |
| | | *For >200, Deduct* | *-38.43* | |
| | | *For Two Coats, Add* | *232.71* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 23 13-0135 | EA | CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking | 298.08 | |
| | | *For <10, Add* | *36.97* | |
| | | *For >50 To 100, Deduct* | *-18.49* | |
| | | *For >100 To 200, Deduct* | *-24.65* | |
| | | *For >200, Deduct* | *-49.30* | |
| | | *For Two Coats, Add* | *298.08* | |
| 32 17 23 13-0136 | EA | CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking | 192.12 | |
| | | *For <10, Add* | *23.81* | |
| | | *For >50 To 100, Deduct* | *-11.91* | |
| | | *For >100 To 200, Deduct* | *-15.88* | |
| | | *For >200, Deduct* | *-31.75* | |
| | | *For Two Coats, Add* | *192.12* | |
| 32 17 23 13-0137 | EA | CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking | 253.12 | |
| | | *For <10, Add* | *31.33* | |
| | | *For >50 To 100, Deduct* | *-15.67* | |
| | | *For >100 To 200, Deduct* | *-20.89* | |
| | | *For >200, Deduct* | *-41.78* | |
| | | *For Two Coats, Add* | *253.12* | |
| 32 17 23 13-0138 | EA | CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking | 50.38 | |
| | | *For <10, Add* | *6.27* | |
| | | *For >50 To 100, Deduct* | *-3.13* | |
| | | *For >100 To 200, Deduct* | *-4.18* | |
| | | *For >200, Deduct* | *-8.36* | |
| | | *For Two Coats, Add* | *50.38* | |
| 32 17 23 13-0139 | EA | CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking<br>Note: Excludes variable width transverse lines. | 482.87 | |
| | | *For <10, Add* | *59.53* | |
| | | *For >50 To 100, Deduct* | *-29.77* | |
| | | *For >100 To 200, Deduct* | *-39.69* | |
| | | *For >200, Deduct* | *-79.38* | |
| | | *For Two Coats, Add* | *482.87* | |
| 32 17 23 13-0140 | SF | CALTRANS Solid Area, Painted Reflective Pavement Marking | 6.33 | |
| | | *For Two Coats, Add* | *6.33* | |
| 32 17 23 13-0141 | EA | CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking<br>Note: Approximate overall dimensions: 4' width x 8' height. | 50.91 | |
| | | *For <10, Add* | *4.51* | |
| | | *For >50 To 100, Deduct* | *-2.26* | |
| | | *For >100 To 200, Deduct* | *-3.01* | |
| | | *For >200, Deduct* | *-6.01* | |
| | | *For Two Coats, Add* | *50.91* | |
| 32 17 23 13-0142 | EA | CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking<br>Note: Approximate overall dimensions: 4' width x 8' height. | 54.01 | |
| | | *For <10, Add* | *4.76* | |
| | | *For >50 To 100, Deduct* | *-2.38* | |
| | | *For >100 To 200, Deduct* | *-3.18* | |
| | | *For >200, Deduct* | *-6.35* | |
| | | *For Two Coats, Add* | *54.01* | |
| 32 17 23 13-0143 | EA | CALTRANS Diamond Symbol, Painted Reflective Pavement Marking | 80.35 | |
| | | *For <10, Add* | *10.03* | |
| | | *For >50 To 100, Deduct* | *-5.01* | |
| | | *For >100 To 200, Deduct* | *-6.68* | |
| | | *For >200, Deduct* | *-13.37* | |
| | | *For Two Coats, Add* | *80.35* | |
| 32 17 23 13-0144 | EA | CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking | 163.62 | |
| | | *For <10, Add* | *20.30* | |
| | | *For >50 To 100, Deduct* | *-10.15* | |
| | | *For >100 To 200, Deduct* | *-13.54* | |
| | | *For >200, Deduct* | *-27.07* | |
| | | *For Two Coats, Add* | *163.62* | |
| 32 17 23 13-0145 | EA | CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking<br>Note: Approximate overall dimensions: 4' width x 8' height. | 34.12 | |
| | | *For <10, Add* | *4.76* | |
| | | *For >50 To 100, Deduct* | *-2.38* | |
| | | *For >100 To 200, Deduct* | *-3.18* | |
| | | *For >200, Deduct* | *-6.35* | |
| | | *For Two Coats, Add* | *34.12* | |
| 32 17 23 13-0146 | SF | CALTRANS Letter/Number, Painted Reflective Pavement Marking | 6.41 | |
| | | *For Two Coats, Add* | *6.41* | |
| 32 17 23 13-0147 | SF | CALTRANS Symbols, Painted Reflective Pavement Marking<br>Note: Handicap, railroad, diamond, arrows, etc. | 7.08 | |
| | | *For Two Coats, Add* | *7.08* | |

## 32 17 23 23 Raised Pavement Markings *(32 17 23)*

### 32 17 23 23-0001 Raised Pavement Markers (RPMs) *(32 17 23 23)*

Note: White, Red, Yellow/Amber, Green or Blue

| | | | | |
|---|---|---|---|---|
| 32 17 23 23-0002 | EA | One-Way Reflective, Raised Pavement Marker (RPM)<br>Note: Type G, H or R | 8.14 | 3.02 |
| | | *For >100, Deduct* | *-0.81* | |
| 32 17 23 23-0003 | EA | Two-Way Reflective, Raised Pavement Marker (RPM)<br>Note: Type B, C, D, AC, RA or RR | 8.64 | 3.02 |
| | | *For >100, Deduct* | *-0.86* | |
| 32 17 23 23-0004 | EA | 4" Diameter, Round Reflective, Raised Pavement Marker (RPM) | 10.68 | 3.02 |
| | | *For >100, Deduct* | *-1.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 23 23-0005 | EA | 4" Diameter, Non-Reflective, Raised Pavement Marker (RPM)<br>Note: Type A or AY | 7.50 | 3.02 |
| | | *For >100, Deduct* | *-0.75* | |

### 32 17 23 23-0006 Snowplowable Pavement Markers *(32 17 23 23)*

| | | | | |
|---|---|---|---|---|
| 32 17 23 23-0007 | EA | One-Way Reflective, Snowplowable Pavement Marker With Center Rail<br>Note: Type G, H or R | 82.99 | 35.42 |
| 32 17 23 23-0008 | EA | Two-Way Reflective, Snowplowable Pavement Marker With Center Rail<br>Note: Type B, C, D, AC, RA or RR | 83.42 | 35.42 |
| 32 17 23 23-0009 | EA | Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker | 24.05 | |
| 32 17 23 23-0010 | EA | Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker | 30.38 | |

## 32 17 23 33 Plastic Pavement Markings *(32 17 23)*

### 32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 33)*

Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.

### 32 17 23 33-0002 Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: 90 mil thickness.

| | | | | |
|---|---|---|---|---|
| 32 17 23 33-0003 | LF | Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping | 1.46 | |
| | | *For Up To 5,000 LF, Add* | *0.29* | |
| | | *For >25,000 LF, Deduct* | *-0.22* | |
| | | *For 60 mils Thick, Deduct* | *-0.20* | |
| | | *For 125 mils Thick, Add* | *0.26* | |
| | | *For Broken Line, Deduct* | *-0.87* | |
| 32 17 23 33-0004 | LF | Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping<br>Note: Includes yellow or white. | 2.10 | |
| | | *For Up To 5,000 LF, Add* | *0.42* | |
| | | *For >25,000 LF, Deduct* | *-0.32* | |
| | | *For 60 mils Thick, Deduct* | *-0.30* | |
| | | *For 125 mils Thick, Add* | *0.39* | |
| | | *For Broken Line, Deduct* | *-1.30* | |
| 32 17 23 33-0005 | LF | Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping<br>Note: Includes yellow or white. | 2.77 | |
| | | *For Up To 5,000 LF, Add* | *0.55* | |
| | | *For >25,000 LF, Deduct* | *-0.42* | |
| | | *For 60 mils Thick, Deduct* | *-0.40* | |
| | | *For 125 mils Thick, Add* | *0.52* | |
| | | *For Broken Line, Deduct* | *-1.73* | |
| 32 17 23 33-0006 | LF | Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping<br>Note: Includes yellow or white. | 4.06 | |
| | | *For Up To 5,000 LF, Add* | *0.81* | |
| | | *For >25,000 LF, Deduct* | *-0.61* | |
| | | *For 60 mils Thick, Deduct* | *-0.61* | |
| | | *For 125 mils Thick, Add* | *0.78* | |
| | | *For Broken Line, Deduct* | *-2.60* | |
| 32 17 23 33-0007 | LF | Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping<br>Note: Includes yellow or white. | 2.76 | |
| | | *For Up To 5,000 LF, Add* | *0.55* | |
| | | *For >25,000 LF, Deduct* | *-0.41* | |
| | | *For 60 mils Thick, Deduct* | *-0.40* | |
| | | *For 125 mils Thick, Add* | *0.52* | |
| | | *For Broken Line On One Side, Deduct* | *-0.87* | |
| | | *For Double Broken Line, Deduct* | *-1.73* | |
| 32 17 23 33-0008 | LF | Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping<br>Note: Includes yellow or white. | 4.06 | |
| | | *For Up To 5,000 LF, Add* | *0.81* | |
| | | *For >25,000 LF, Deduct* | *-0.61* | |
| | | *For 60 mils Thick, Deduct* | *-0.61* | |
| | | *For 125 mils Thick, Add* | *0.78* | |
| | | *For Broken Line On One Side, Deduct* | *-1.30* | |
| | | *For Double Broken Line, Deduct* | *-2.60* | |
| 32 17 23 33-0009 | SF | Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking<br>Note: Includes yellow or white. | 8.46 | |
| | | *For 60 mils Thick, Deduct* | *-0.60* | |
| | | *For 125 mils Thick, Add* | *0.78* | |
| 32 17 23 33-0010 | EA | 6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 5.51 | |
| | | *For Up To 10, Add* | *0.56* | |
| | | *For >50 To 100, Deduct* | *-0.28* | |
| | | *For >100 To 200, Deduct* | *-0.38* | |
| | | *For >200, Deduct* | *-0.75* | |
| | | *For 60 mils Thick, Deduct* | *-0.31* | |
| | | *For 125 mils Thick, Add* | *0.39* | |
| 32 17 23 33-0011 | EA | 12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 12.02 | |
| | | *For Up To 10, Add* | *0.85* | |
| | | *For >50 To 100, Deduct* | *-0.43* | |
| | | *For >100 To 200, Deduct* | *-0.57* | |
| | | *For >200, Deduct* | *-1.14* | |
| | | *For 60 mils Thick, Deduct* | *-1.11* | |
| | | *For 125 mils Thick, Add* | *1.43* | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 23 33-0012 | EA | 24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 20.54 | |
| | | *For Up To 10, Add* | *1.42* | |
| | | *For >50 To 100, Deduct* | *-0.71* | |
| | | *For >100 To 200, Deduct* | *-0.94* | |
| | | *For >200, Deduct* | *-1.89* | |
| | | *For 60 mils Thick, Deduct* | *-1.94* | |
| | | *For 125 mils Thick, Add* | *2.50* | |
| 32 17 23 33-0013 | EA | 36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 38.48 | |
| | | *For Up To 10, Add* | *2.85* | |
| | | *For >50 To 100, Deduct* | *-1.42* | |
| | | *For >100 To 200, Deduct* | *-1.90* | |
| | | *For >200, Deduct* | *-3.79* | |
| | | *For 60 mils Thick, Deduct* | *-3.41* | |
| | | *For 125 mils Thick, Add* | *4.39* | |
| 32 17 23 33-0014 | EA | 48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 46.59 | |
| | | *For Up To 10, Add* | *3.18* | |
| | | *For >50 To 100, Deduct* | *-1.59* | |
| | | *For >100 To 200, Deduct* | *-2.12* | |
| | | *For >200, Deduct* | *-4.24* | |
| | | *For 60 mils Thick, Deduct* | *-4.44* | |
| | | *For 125 mils Thick, Add* | *5.71* | |
| 32 17 23 33-0015 | EA | 72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 84.12 | |
| | | *For Up To 10, Add* | *5.67* | |
| | | *For >50 To 100, Deduct* | *-2.83* | |
| | | *For >100 To 200, Deduct* | *-3.78* | |
| | | *For >200, Deduct* | *-7.55* | |
| | | *For 60 mils Thick, Deduct* | *-8.11* | |
| | | *For 125 mils Thick, Add* | *10.43* | |
| 32 17 23 33-0016 | EA | 96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 111.70 | |
| | | *For Up To 10, Add* | *7.61* | |
| | | *For >50 To 100, Deduct* | *-3.80* | |
| | | *For >100 To 200, Deduct* | *-5.07* | |
| | | *For >200, Deduct* | *-10.14* | |
| | | *For 60 mils Thick, Deduct* | *-10.67* | |
| | | *For 125 mils Thick, Add* | *13.72* | |
| 32 17 23 33-0017 | EA | 120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 198.94 | |
| | | *For Up To 10, Add* | *9.42* | |
| | | *For >50 To 100, Deduct* | *-4.71* | |
| | | *For >100 To 200, Deduct* | *-6.28* | |
| | | *For >200, Deduct* | *-12.57* | |
| | | *For 60 mils Thick, Deduct* | *-23.82* | |
| | | *For 125 mils Thick, Add* | *30.62* | |
| 32 17 23 33-0018 | SF | Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 10.07 | |
| | | *For 60 mils Thick, Deduct* | *-0.77* | |
| | | *For 125 mils Thick, Add* | *0.99* | |
| 32 17 23 33-0019 | SY | Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 28.65 | |
| | | Note: Per SY of area. | | |
| | | *For 60 mils Thick, Deduct* | *-1.36* | |
| | | *For 125 mils Thick, Add* | *1.75* | |
| 32 17 23 33-0020 | EA | Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 260.50 | |
| | | *For 60 mils Thick, Deduct* | *-17.67* | |
| | | *For 125 mils Thick, Add* | *22.72* | |
| 32 17 23 33-0021 | EA | Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 775.24 | |
| | | *For 60 mils Thick, Deduct* | *-53.79* | |
| | | *For 125 mils Thick, Add* | *69.15* | |
| 32 17 23 33-0022 | EA | Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 172.54 | |
| | | Note: Approximate overall dimensions: 4' width x 8' height. | | |
| | | *For 60 mils Thick, Deduct* | *-24.35* | |
| | | *For 125 mils Thick, Add* | *31.30* | |
| 32 17 23 33-0023 | EA | Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 124.59 | |
| | | *For 60 mils Thick, Deduct* | *-8.45* | |
| | | *For 125 mils Thick, Add* | *10.87* | |
| 32 17 23 33-0024 | SF | Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 11.32 | |
| | | Note: Handicap, railroad, diamond, arrows, etc. | | |
| | | *For 60 mils Thick, Deduct* | *-0.77* | |
| | | *For 125 mils Thick, Add* | *0.99* | |
| 32 17 23 33-0025 | EA | 10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 158.55 | |
| | | *For 60 mils Thick, Deduct* | *-10.76* | |
| | | *For 125 mils Thick, Add* | *13.83* | |
| 32 17 23 33-0026 | EA | 18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 283.14 | |
| | | *For 60 mils Thick, Deduct* | *-19.21* | |
| | | *For 125 mils Thick, Add* | *24.70* | |
| 32 17 23 33-0027 | EA | 24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 351.09 | |
| | | *For 60 mils Thick, Deduct* | *-23.82* | |
| | | *For 125 mils Thick, Add* | *30.62* | |
| 32 17 23 33-0028 | EA | 24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 509.65 | |
| | | *For 60 mils Thick, Deduct* | *-34.58* | |
| | | *For 125 mils Thick, Add* | *44.46* | |
| 32 17 23 33-0029 | EA | 24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 668.21 | |
| | | *For 60 mils Thick, Deduct* | *-45.33* | |
| | | *For 125 mils Thick, Add* | *58.29* | |
| 32 17 23 33-0030 | EA | 24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 475.67 | |
| | | *For 60 mils Thick, Deduct* | *-32.27* | |
| | | *For 125 mils Thick, Add* | *41.49* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 23 33-0031 | EA | 24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 826.77 | |
| | | *For 60 mils Thick, Deduct* | *-56.09* | |
| | | *For 125 mils Thick, Add* | *72.12* | |
| 32 17 23 33-0032 | EA | 8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 169.89 | |
| | | *For 60 mils Thick, Deduct* | *-11.53* | |
| | | *For 125 mils Thick, Add* | *14.82* | |
| 32 17 23 33-0033 | EA | 24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 373.74 | |
| | | *For 60 mils Thick, Deduct* | *-25.36* | |
| | | *For 125 mils Thick, Add* | *32.60* | |
| 32 17 23 33-0034 | EA | 18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 475.67 | |
| | | *For 60 mils Thick, Deduct* | *-32.27* | |
| | | *For 125 mils Thick, Add* | *41.49* | |
| 32 17 23 33-0035 | EA | 13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 305.80 | |
| | | *For 60 mils Thick, Deduct* | *-20.75* | |
| | | *For 125 mils Thick, Add* | *26.67* | |
| 32 17 23 33-0036 | EA | 15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 407.73 | |
| | | *For 60 mils Thick, Deduct* | *-27.66* | |
| | | *For 125 mils Thick, Add* | *35.57* | |
| 32 17 23 33-0037 | EA | 5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking | 79.29 | |
| | | *For 60 mils Thick, Deduct* | *-5.38* | |
| | | *For 125 mils Thick, Add* | *6.92* | |

## 32 17 23 33-0038 Thermoplastic Reflective Pavement Striping By Hand For Repairs *(32 17 23 33-0001)*

| | | | | |
|---|---|---|---|---|
| 32 17 23 33-0039 | LF | Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs | 2.93 | |
| | | *For 60 mils Thick, Deduct* | *-0.20* | |
| | | *For 125 mils Thick, Add* | *0.26* | |
| 32 17 23 33-0040 | LF | Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs | 3.74 | |
| | | *For 60 mils Thick, Deduct* | *-0.30* | |
| | | *For 125 mils Thick, Add* | *0.39* | |
| 32 17 23 33-0041 | LF | Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs | 4.65 | |
| | | *For 60 mils Thick, Deduct* | *-0.40* | |
| | | *For 125 mils Thick, Add* | *0.52* | |
| 32 17 23 33-0042 | LF | Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs | 6.72 | |
| | | *For 60 mils Thick, Deduct* | *-0.61* | |
| | | *For 125 mils Thick, Add* | *0.78* | |
| 32 17 23 33-0043 | LF | Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs | 12.22 | |
| | | *For 60 mils Thick, Deduct* | *-1.21* | |
| | | *For 125 mils Thick, Add* | *1.56* | |

## 32 17 23 33-0044 Preformed, Patterned Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).

| | | | | |
|---|---|---|---|---|
| 32 17 23 33-0045 | LF | Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping<br>Note: Includes yellow or white. | 3.15 | |
| | | *For Up To 5,000 LF, Add* | *0.63* | |
| | | *For >25,000 LF, Deduct* | *-0.47* | |
| 32 17 23 33-0046 | LF | Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping<br>Note: Includes yellow or white. | 4.67 | |
| | | *For Up To 5,000 LF, Add* | *0.93* | |
| | | *For >25,000 LF, Deduct* | *-0.70* | |
| 32 17 23 33-0047 | LF | Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping<br>Note: Includes yellow or white. | 6.19 | |
| | | *For Up To 5,000 LF, Add* | *1.24* | |
| | | *For >25,000 LF, Deduct* | *-0.93* | |
| 32 17 23 33-0048 | LF | Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping<br>Note: Includes yellow or white. | 9.19 | |
| | | *For Up To 5,000 LF, Add* | *1.84* | |
| | | *For >25,000 LF, Deduct* | *-1.38* | |
| 32 17 23 33-0049 | SF | Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape<br>Note: Includes yellow or white. | 24.74 | |
| 32 17 23 33-0050 | EA | 6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape | 36.87 | |
| | | *For <10, Add* | *1.03* | |
| | | *For >50 To 100, Deduct* | *-0.51* | |
| | | *For >100 To 200, Deduct* | *-0.69* | |
| | | *For >200, Deduct* | *-1.37* | |
| 32 17 23 33-0051 | EA | 12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape | 65.82 | |
| | | *For <10, Add* | *1.30* | |
| | | *For >50 To 100, Deduct* | *-0.65* | |
| | | *For >100 To 200, Deduct* | *-0.87* | |
| | | *For >200, Deduct* | *-1.74* | |
| 32 17 23 33-0052 | EA | 24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape | 112.59 | |
| | | *For <10, Add* | *2.58* | |
| | | *For >50 To 100, Deduct* | *-1.29* | |
| | | *For >100 To 200, Deduct* | *-1.72* | |
| | | *For >200, Deduct* | *-3.44* | |
| 32 17 23 33-0053 | EA | 36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape | 160.51 | |
| | | *For <10, Add* | *5.16* | |
| | | *For >50 To 100, Deduct* | *-2.58* | |
| | | *For >100 To 200, Deduct* | *-3.44* | |
| | | *For >200, Deduct* | *-6.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 23 33-0054 | EA | 48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape | 188.50 | |
| | | *For <10, Add* | *5.79* | |
| | | *For >50 To 100, Deduct* | *-2.90* | |
| | | *For >100 To 200, Deduct* | *-3.86* | |
| | | *For >200, Deduct* | *-7.72* | |
| 32 17 23 33-0055 | EA | 72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape | 237.18 | |
| | | *For <10, Add* | *10.30* | |
| | | *For >50 To 100, Deduct* | *-5.15* | |
| | | *For >100 To 200, Deduct* | *-6.87* | |
| | | *For >200, Deduct* | *-13.74* | |
| 32 17 23 33-0056 | EA | 96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape | 301.40 | |
| | | *For <10, Add* | *13.84* | |
| | | *For >50 To 100, Deduct* | *-6.92* | |
| | | *For >100 To 200, Deduct* | *-9.22* | |
| | | *For >200, Deduct* | *-18.45* | |
| 32 17 23 33-0057 | EA | 120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape | 378.07 | |
| | | *For <10, Add* | *17.15* | |
| | | *For >50 To 100, Deduct* | *-8.57* | |
| | | *For >100 To 200, Deduct* | *-11.43* | |
| | | *For >200, Deduct* | *-22.86* | |
| 32 17 23 33-0058 | SF | Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape | 25.41 | |
| 32 17 23 33-0059 | SF | Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape<br>Note: Handicap, railroad, diamond symbol, etc. | 26.66 | |

## 32 17 23 33-0060 Preformed, Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: Heat applied. (Flint PreMark or HotTape Series).

| | | | | |
|---|---|---|---|---|
| 32 17 23 33-0061 | EA | Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 4' width x 8' height. | 403.02 | |
| 32 17 23 33-0062 | EA | Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines. | 1,070.31 | |
| 32 17 23 33-0063 | EA | Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 3-1/4' width x 13' height. | 207.10 | |
| 32 17 23 33-0064 | EA | 6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 2' width x 6' height. | 172.16 | |
| 32 17 23 33-0065 | EA | 9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height. | 345.38 | |
| 32 17 23 33-0066 | EA | 4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 3' width x 4' height. | 201.68 | |
| 32 17 23 33-0067 | EA | 8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 6' width x 8' height. | 386.03 | |
| 32 17 23 33-0068 | EA | Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height. | 668.30 | |
| 32 17 23 33-0069 | EA | Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height. | 1,012.94 | |
| 32 17 23 33-0070 | EA | Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 1-2/3' width x 12' height. | 353.57 | |
| 32 17 23 33-0071 | EA | Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 3' width x 12' height. | 394.22 | |
| 32 17 23 33-0072 | EA | Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 5-1/2' width x 12' height. | 738.29 | |
| 32 17 23 33-0073 | EA | Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 3-1/2' width x 20' height. | 677.48 | |
| 32 17 23 33-0074 | EA | Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 5-1/2' width x 20' height. | 679.99 | |
| 32 17 23 33-0075 | EA | Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape<br>Note: Approximate overall dimensions: 5-1/2' width x 18' height. | 943.39 | |

## 32 17 23 33-0076 Thermoplastic Reflective Pavement Marking (CALTRANS) *(32 17 23 33-0001)*

Note: Per LF of detail.

| | | | | |
|---|---|---|---|---|
| 32 17 23 33-0077 | LF | CALTRANS Detail 1 Thermoplastic Reflective Pavement Marking | 1.67 | |
| 32 17 23 33-0078 | LF | CALTRANS Detail 2 Thermoplastic Reflective Pavement Marking | 2.20 | |
| 32 17 23 33-0079 | LF | CALTRANS Detail 4 Thermoplastic Reflective Pavement Marking | 1.43 | |
| 32 17 23 33-0080 | LF | CALTRANS Detail 6 Thermoplastic Reflective Pavement Marking | 1.43 | |
| 32 17 23 33-0081 | LF | CALTRANS Detail 8 Thermoplastic Reflective Pavement Marking | 2.20 | |
| 32 17 23 33-0082 | LF | CALTRANS Detail 9 Thermoplastic Reflective Pavement Marking | 2.20 | |
| 32 17 23 33-0083 | LF | CALTRANS Detail 11 Thermoplastic Reflective Pavement Marking | 1.18 | |
| 32 17 23 33-0084 | LF | CALTRANS Detail 12 Thermoplastic Reflective Pavement Marking | 1.18 | |
| 32 17 23 33-0085 | LF | CALTRANS Detail 19 Thermoplastic Reflective Pavement Marking | 3.34 | |
| 32 17 23 33-0086 | LF | CALTRANS Detail 21 Thermoplastic Reflective Pavement Marking | 3.83 | |
| 32 17 23 33-0087 | LF | CALTRANS Detail 22 Thermoplastic Reflective Pavement Marking | 3.02 | |
| 32 17 23 33-0088 | LF | CALTRANS Detail 24 Thermoplastic Reflective Pavement Marking | 1.67 | |
| 32 17 23 33-0089 | LF | CALTRANS Detail 25 Thermoplastic Reflective Pavement Marking | 2.20 | |
| 32 17 23 33-0090 | LF | CALTRANS Detail 26 Thermoplastic Reflective Pavement Marking | 2.69 | |
| 32 17 23 33-0091 | LF | CALTRANS Detail 27 Thermoplastic Reflective Pavement Marking | 3.02 | |
| 32 17 23 33-0092 | LF | CALTRANS Detail 27B Thermoplastic Reflective Pavement Marking | 1.33 | |
| 32 17 23 33-0093 | LF | CALTRANS Detail 27C Thermoplastic Reflective Pavement Marking | 1.66 | |
| 32 17 23 33-0094 | LF | CALTRANS Detail 28 Thermoplastic Reflective Pavement Marking | 4.54 | |
| 32 17 23 33-0095 | LF | CALTRANS Detail 29 Thermoplastic Reflective Pavement Marking | 5.34 | |
| 32 17 23 33-0096 | LF | CALTRANS Detail 31 Thermoplastic Reflective Pavement Marking | 2.21 | |
| 32 17 23 33-0097 | LF | CALTRANS Detail 32 Thermoplastic Reflective Pavement Marking | 4.54 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 17 23 33-0098 | LF | CALTRANS Detail 37B Thermoplastic Reflective Pavement Marking | 2.69 | |
| 32 17 23 33-0099 | LF | CALTRANS Detail 38 Thermoplastic Reflective Pavement Marking | 3.02 | |
| 32 17 23 33-0100 | LF | CALTRANS Detail 38A Thermoplastic Reflective Pavement Marking | 2.20 | |
| 32 17 23 33-0101 | LF | CALTRANS Detail 38B Thermoplastic Reflective Pavement Marking | 2.69 | |
| 32 17 23 33-0102 | LF | CALTRANS Detail 39 Thermoplastic Reflective Pavement Marking | 1.67 | |
| 32 17 23 33-0103 | LF | CALTRANS Detail 39A Thermoplastic Reflective Pavement Marking | 1.33 | |
| 32 17 23 33-0104 | LF | CALTRANS Detail 40 Thermoplastic Reflective Pavement Marking | 3.02 | |
| 32 17 23 33-0105 | LF | CALTRANS Detail 40A Thermoplastic Reflective Pavement Marking | 4.51 | |
| 32 17 23 33-0106 | LF | CALTRANS Detail 41 Thermoplastic Reflective Pavement Marking | 7.78 | |
| 32 17 23 33-0107 | | Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)* | | |
| 32 17 23 33-0108 | | Thermoplastic Pavement Marking Symbols For Parking Areas *(32 17 23 33-0107)* | | |
| | | Note: Heat applied. (Flint PreMark Series). | | |
| 32 17 23 33-0109 | EA | 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas | 134.67 | |
| | | Note: White or blue symbol. Excludes striping. | | |
| 32 17 23 33-0110 | EA | 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas | 520.60 | |
| 32 17 23 33-0111 | EA | 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas | 291.91 | |
| | | Note: White symbol on blue background. Excludes striping. | | |
| 32 17 23 33-0112 | EA | 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas | 351.59 | |
| | | Note: White symbol on blue background. Excludes striping. | | |
| 32 17 23 33-0113 | EA | 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas | 368.64 | |

### 32 17 26 Tactile Warning Surfaces *(32 17)*

| | | | | |
|---|---|---|---|---|
| 32 17 26 00-0001 | | Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)* | | |
| | | Note: Truncated dome, raised strips or directional bars. All colors. | | |
| 32 17 26 00-0002 | SF | Surface Applied VPC Truncated Dome Detectable Warning Surface | 66.73 | 9.50 |
| | | Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors. | | |
| 32 17 26 00-0003 | SF | Embedded, VPC Truncated Dome Detectable Warning Surface | 54.38 | 9.50 |
| | | Note: Also raised strips or directional bars. All colors. | | |
| 32 17 26 00-0004 | LF | 24" Wide Temporary Truncated Dome Strips, Screw Down Only Into Asphalt Or Concrete | 96.65 | 19.00 |
| 32 17 26 00-0005 | | Fiber-Reinforced, Polymer Modified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) *(32 17 26)* | | |
| | | Note: Pre-molded tactile dome sheet. All colors. | | |
| 32 17 26 00-0006 | SF | Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) | 80.26 | 9.50 |
| | | Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width. | | |
| 32 17 26 00-0007 | SF | >15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) | 71.71 | 9.50 |
| | | Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width. | | |

## 32 18 Athletic and Recreational Surfacing *(32 10)*

### 32 18 16 Synthetic Resilient Surfacing *(32 18)*

#### 32 18 16 13 Playground Protective Surfacing *(32 18 16)*

| | | | | |
|---|---|---|---|---|
| 32 18 16 13-0001 | | Tile Playground Surface Material *(32 18 16 13)* | | |
| | | Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base. | | |
| 32 18 16 13-0002 | SF | 1-3/4" Thick, Resilient Rubber Tile Playground Surfacing | 25.17 | 2.72 |
| | | *For Manufacturer's Standard Colors, Add* | *1.53* | |
| | | *For Interlocking Tiles, Add* | *3.40* | |
| | | *For Mechanically Fastened, Add* | *2.03* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add* | *1.50* | |
| 32 18 16 13-0003 | SF | 2" Thick, Resilient Rubber Tile Playground Surfacing | 25.68 | 2.88 |
| | | *For Manufacturer's Standard Colors, Add* | *1.53* | |
| | | *For Interlocking Tiles, Add* | *3.40* | |
| | | *For Mechanically Fastened, Add* | *2.13* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add* | *1.50* | |
| 32 18 16 13-0004 | SF | 2-1/4" Thick, Resilient Rubber Tile Playground Surfacing | 26.70 | 3.22 |
| | | *For Manufacturer's Standard Colors, Add* | *1.53* | |
| | | *For Interlocking Tiles, Add* | *3.40* | |
| | | *For Mechanically Fastened, Add* | *2.34* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add* | *1.50* | |
| 32 18 16 13-0005 | SF | 2-1/2" Thick, Resilient Rubber Tile Playground Surfacing | 27.72 | 3.56 |
| | | *For Manufacturer's Standard Colors, Add* | *1.53* | |
| | | *For Interlocking Tiles, Add* | *3.40* | |
| | | *For Mechanically Fastened, Add* | *2.54* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add* | *1.50* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 18 16 13-0006 | SF | 2-3/4" Thick, Resilient Rubber Tile Playground Surfacing | 30.94 | 3.90 |
| | | *For Manufacturer's Standard Colors, Add* | *1.15* | |
| | | *For Interlocking Tiles, Add* | *3.85* | |
| | | *For Mechanically Fastened, Add* | *2.74* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add* | *1.50* | |
| 32 18 16 13-0007 | SF | 3" Thick, Resilient Rubber Tile Playground Surfacing | 32.07 | 4.28 |
| | | *For Manufacturer's Standard Colors, Add* | *1.15* | |
| | | *For Interlocking Tiles, Add* | *3.85* | |
| | | *For Mechanically Fastened, Add* | *2.97* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add* | *1.50* | |
| 32 18 16 13-0008 | SF | 3-1/4" Thick, Resilient Rubber Tile Playground Surfacing | 33.24 | 4.66 |
| | | *For Manufacturer's Standard Colors, Add* | *1.15* | |
| | | *For Interlocking Tiles, Add* | *3.85* | |
| | | *For Mechanically Fastened, Add* | *3.20* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add* | *1.50* | |
| 32 18 16 13-0009 | SF | 3-1/2" Thick, Resilient Rubber Tile Playground Surfacing | 36.54 | 4.99 |
| | | *For Manufacturer's Standard Colors, Add* | *0.64* | |
| | | *For Interlocking Tiles, Add* | *4.29* | |
| | | *For Mechanically Fastened, Add* | *3.42* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add* | *1.50* | |
| 32 18 16 13-0010 | SF | 3-3/4" Thick, Resilient Rubber Tile Playground Surfacing | 37.56 | 5.40 |
| | | *For Manufacturer's Standard Colors, Add* | *0.64* | |
| | | *For Interlocking Tiles, Add* | *4.29* | |
| | | *For Mechanically Fastened, Add* | *3.62* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add* | *1.50* | |
| 32 18 16 13-0011 | SF | 4" Thick, Resilient Rubber Tile Playground Surfacing | 38.68 | 5.70 |
| | | *For Manufacturer's Standard Colors, Add* | *0.64* | |
| | | *For Interlocking Tiles, Add* | *4.29* | |
| | | *For Mechanically Fastened, Add* | *3.84* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add* | *1.50* | |
| 32 18 16 13-0012 | SF | 4-1/2" Thick, Resilient Rubber Tile Playground Surfacing | 44.51 | 6.42 |
| | | *For Manufacturer's Standard Colors, Add* | *0.63* | |
| | | *For Interlocking Tiles, Add* | *5.03* | |
| | | *For Mechanically Fastened, Add* | *4.27* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add* | *1.50* | |

### 32 18 16 13-0013 Loose Laid Playground Surface Material *(32 18 16 13)*

Note: Excludes sub base.

| | | | | |
|---|---|---|---|---|
| 32 18 16 13-0014 | SF | 3" Loose Laid Wood Fiber Safety Playground Surfacing | 1.98 | 0.41 |
| 32 18 16 13-0015 | SF | 6" Loose Laid Wood Fiber Safety Playground Surfacing | 2.64 | 0.51 |
| 32 18 16 13-0016 | SF | 9" Loose Laid Wood Fiber Safety Playground Surfacing | 3.37 | 0.61 |
| 32 18 16 13-0017 | SF | 12" Loose Laid Wood Fiber Safety Playground Surfacing | 4.76 | 0.92 |
| 32 18 16 13-0018 | SF | 3" Loose Laid Synthetic Fiber Safety Playground Surfacing | 3.01 | 0.41 |
| 32 18 16 13-0019 | SF | 6" Loose Laid Synthetic Fiber Safety Playground Surfacing | 3.72 | 0.51 |
| 32 18 16 13-0020 | SF | 9" Loose Laid Synthetic Fiber Safety Playground Surfacing | 5.73 | 0.61 |
| 32 18 16 13-0021 | SF | 12" Loose Laid Synthetic Fiber Safety Playground Surfacing | 7.14 | 0.92 |
| 32 18 16 13-0022 | SF | 8" FIBAR System Playground Surfacing<br>Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber. | 12.11 | 1.52 |
| 32 18 16 13-0023 | SF | 12" FIBAR System Playground Surfacing<br>Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber. | 15.40 | 2.04 |

### 32 18 16 13-0024 Poured In Place Playground Surfacing *(32 18 16 13)*

Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.

| | | | | |
|---|---|---|---|---|
| 32 18 16 13-0025 | SF | 1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing | 19.68 | 2.93 |
| | | *For Up To 2,000, Add* | *3.95* | |
| | | *For >2,000 To 3,000, Add* | *2.79* | |
| | | *For >3,000 To 4,000, Add* | *1.90* | |
| | | *For >4,000 To 5,000, Add* | *1.21* | |
| | | *For >5,000 To 7,000, Add* | *0.50* | |
| | | *For Aliphatic (Non-Yellowing) Binder, Add* | *4.41* | |
| | | *For Each 10% Of Area In Black Instead Of Color, Deduct* | *-0.60* | |
| 32 18 16 13-0026 | SF | 2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing | 20.30 | 3.25 |
| | | *For Up To 2,000, Add* | *4.08* | |
| | | *For >2,000 To 3,000, Add* | *2.87* | |
| | | *For >3,000 To 4,000, Add* | *1.96* | |
| | | *For >4,000 To 5,000, Add* | *1.25* | |
| | | *For >5,000 To 7,000, Add* | *0.52* | |
| | | *For Aliphatic (Non-Yellowing) Binder, Add* | *4.41* | |
| | | *For Each 10% Of Area In Black Instead Of Color, Deduct* | *-0.60* | |
| 32 18 16 13-0027 | SF | 2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing | 21.92 | 3.71 |
| | | *For Up To 2,000, Add* | *4.40* | |
| | | *For >2,000 To 3,000, Add* | *3.10* | |
| | | *For >3,000 To 4,000, Add* | *2.11* | |
| | | *For >4,000 To 5,000, Add* | *1.35* | |
| | | *For >5,000 To 7,000, Add* | *0.56* | |
| | | *For Aliphatic (Non-Yellowing) Binder, Add* | *4.41* | |
| | | *For Each 10% Of Area In Black Instead Of Color, Deduct* | *-0.60* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 18 16 13-0028 | SF | 3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing | 23.68 | 3.95 |
| | | *For Up To 2,000, Add* | *4.75* | |
| | | *For >2,000 To 3,000, Add* | *3.35* | |
| | | *For >3,000 To 4,000, Add* | *2.28* | |
| | | *For >4,000 To 5,000, Add* | *1.46* | |
| | | *For >5,000 To 7,000, Add* | *0.61* | |
| | | *For Aliphatic (Non-Yellowing) Binder, Add* | *4.41* | |
| | | *For Each 10% Of Area In Black Instead Of Color, Deduct* | *-0.60* | |
| 32 18 16 13-0029 | SF | 3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing | 25.42 | 4.15 |
| | | *For Up To 2,000, Add* | *5.11* | |
| | | *For >2,000 To 3,000, Add* | *3.60* | |
| | | *For >3,000 To 4,000, Add* | *2.45* | |
| | | *For >4,000 To 5,000, Add* | *1.56* | |
| | | *For >5,000 To 7,000, Add* | *0.65* | |
| | | *For Aliphatic (Non-Yellowing) Binder, Add* | *4.41* | |
| | | *For Each 10% Of Area In Black Instead Of Color, Deduct* | *-0.60* | |
| 32 18 16 13-0030 | SF | 4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing | 26.91 | 4.39 |
| | | *For Up To 2,000, Add* | *5.40* | |
| | | *For >2,000 To 3,000, Add* | *3.81* | |
| | | *For >3,000 To 4,000, Add* | *2.59* | |
| | | *For >4,000 To 5,000, Add* | *1.66* | |
| | | *For >5,000 To 7,000, Add* | *0.69* | |
| | | *For Aliphatic (Non-Yellowing) Binder, Add* | *4.41* | |
| | | *For Each 10% Of Area In Black Instead Of Color, Deduct* | *-0.60* | |
| 32 18 16 13-0031 | SF | 4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing | 28.66 | 4.63 |
| | | *For Up To 2,000, Add* | *5.75* | |
| | | *For >2,000 To 3,000, Add* | *4.06* | |
| | | *For >3,000 To 4,000, Add* | *2.76* | |
| | | *For >4,000 To 5,000, Add* | *1.76* | |
| | | *For >5,000 To 7,000, Add* | *0.73* | |
| | | *For Aliphatic (Non-Yellowing) Binder, Add* | *4.41* | |
| | | *For Each 10% Of Area In Black Instead Of Color, Deduct* | *-0.60* | |
| 32 18 16 13-0032 | SF | 5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing | 32.15 | 5.19 |
| | | *For Up To 2,000, Add* | *6.45* | |
| | | *For >2,000 To 3,000, Add* | *4.55* | |
| | | *For >3,000 To 4,000, Add* | *3.10* | |
| | | *For >4,000 To 5,000, Add* | *1.98* | |
| | | *For >5,000 To 7,000, Add* | *0.82* | |
| | | *For Aliphatic (Non-Yellowing) Binder, Add* | *4.41* | |
| | | *For Each 10% Of Area In Black Instead Of Color, Deduct* | *-0.60* | |
| 32 18 16 13-0033 | SF | 1/2" Top Only, Poured In Place Playground Surfacing<br>Note: Not used with new surfacing system tasks. | 12.86 | |
| | | *For Up To 2,000, Add* | *3.89* | |
| | | *For >2,000 To 3,000, Add* | *2.52* | |
| | | *For >3,000 To 4,000, Add* | *1.54* | |
| | | *For >4,000 To 5,000, Add* | *0.93* | |
| | | *For >5,000 To 7,000, Add* | *0.42* | |
| | | *For Aliphatic (Non-Yellowing) Binder, Add* | *4.41* | |
| | | *For Each 10% Of Area In Black Instead Of Color, Deduct* | *-0.60* | |
| 32 18 16 13-0034 | EA | Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing | 2,884.16 | |

### 32 18 16 13-0035 Synthetic Playground Turf (Sporturf) *(32 18 16 13)*

Note: Excludes base preparation, aggregate, or drainage.

| | | | | |
|---|---|---|---|---|
| 32 18 16 13-0036 | SF | 60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929) | 11.01 | |
| 32 18 16 13-0037 | SF | 71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906) | 9.70 | |
| 32 18 16 13-0038 | SF | 2" Foam Padding (Sporturf) | 6.27 | |
| 32 18 16 13-0039 | CF | Sand/Rubber Infill (Sporturf) | 60.30 | |

## 32 18 23 Athletic Surfacing *(32 18)*

### 32 18 23 13 Baseball Field Surfacing *(32 18 23)*

### 32 18 23 13-0001 Infield Dust *(32 18 23 13)*

| | | | | |
|---|---|---|---|---|
| 32 18 23 13-0002 | SF | 4" Deep Red Brick Infield Mix | 5.07 | 0.73 |

### 32 18 23 13-0003 Clay Infield Maintenance *(32 18 23 13)*

| | | | |
|---|---|---|---|
| 32 18 23 13-0004 | MSF | Playing Field Maintenance (Clay - Nail Drag) | 13.23 |
| 32 18 23 13-0005 | MSF | Playing Field Maintenance (Clay - Screen Drag) | 13.23 |
| 32 18 23 13-0006 | CY | Playing Field Maintenance Of Clay | 113.16 |
| 32 18 23 13-0007 | Ton | Medium Pro Baseball Infield Mix (Diamond Select 60/40 Pro Infield Mix) | 189.21 |

### 32 18 23 23 Field Sport Surfacing *(32 18 23)*

### 32 18 23 23-0001 Turf Field Maintenance *(32 18 23 23)*

| | | | |
|---|---|---|---|
| 32 18 23 23-0002 | ACR | Turf Aeration (Minimum 6" Penetration) | 178.02 |
| 32 18 23 23-0003 | MSF | Top Dressing 1/8" - 1/4" Sand | 16.89 |
| 32 18 23 23-0004 | BAG | Envirofill, 50 Lb. Bag | 129.91 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 32 18 23 29 Synthetic Field Sport Surfacing *(32 18 23)*

32 18 23 29-0001 Synthetic Field Sport Surfacing *(32 18 23 29)*

32 18 23 29-0002 Synthetic Turf (AstroTurf) *(32 18 23 29-0001)*
Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) *(32 18 23 29-0002)*

32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) *(32 18 23 29-0003)*

| | | | |
|---|---|---|---|
| 32 18 23 29-0005 | SF | 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38) | 8.70 |
| | | *For Ambient Rubber And Sand Infill, Add* | *0.10* |
| | | *For Cryo Rubber Infill, Add* | *0.26* |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add* | *0.31* |
| | | *For Cryo Rubber And Sand Infill, Add* | *0.36* |
| 32 18 23 29-0006 | EA | Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields | 28,277.14 |
| 32 18 23 29-0007 | EA | Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields | 23,048.54 |
| 32 18 23 29-0008 | EA | Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields<br>Note: Per sport. | 6,935.90 |
| 32 18 23 29-0009 | EA | End Zone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields<br>Note: Per letter. Excludes outline. | 2,560.95 |
| 32 18 23 29-0010 | EA | Colored End Zone For AstroTurf® GameDay Grass™ MT 38 Fields<br>Note: Per end zone. | 2,454.24 |
| 32 18 23 29-0011 | EA | Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields<br>Note: Block letter. | 21,341.24 |
| 32 18 23 29-0012 | EA | Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields<br>Note: Graphic. | 30,944.80 |

32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) *(32 18 23 29-0003)*

| | | | |
|---|---|---|---|
| 32 18 23 29-0014 | SF | 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41) | 9.99 |
| | | *For Ambient Rubber And Sand Infill, Add* | *0.10* |
| | | *For Cryo Rubber Infill, Add* | *0.26* |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add* | *0.31* |
| | | *For Cryo Rubber And Sand Infill, Add* | *0.36* |
| 32 18 23 29-0015 | EA | Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields | 28,810.85 |
| 32 18 23 29-0016 | EA | Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields | 23,902.33 |
| 32 18 23 29-0017 | EA | Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields<br>Note: Per sport. | 7,469.48 |
| 32 18 23 29-0018 | EA | End Zone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields<br>Note: Per letter. Excludes outline. | 2,774.38 |
| 32 18 23 29-0019 | EA | Colored End Zone For AstroTurf® GameDay Grass™ MT 41 Fields<br>Note: Per end zone. | 2,560.96 |
| 32 18 23 29-0020 | EA | Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields<br>Note: Block letter. | 22,408.44 |
| 32 18 23 29-0021 | EA | Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields<br>Note: Graphic. | 32,492.23 |

32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) *(32 18 23 29-0003)*

| | | | |
|---|---|---|---|
| 32 18 23 29-0023 | SF | 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45) | 10.18 |
| | | *For Ambient Rubber And Sand Infill, Add* | *0.10* |
| | | *For Cryo Rubber Infill, Add* | *0.26* |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add* | *0.31* |
| | | *For Cryo Rubber And Sand Infill, Add* | *0.36* |
| 32 18 23 29-0024 | EA | Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields | 29,344.38 |
| 32 18 23 29-0025 | EA | Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields | 25,823.06 |
| 32 18 23 29-0026 | EA | Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields<br>Note: Per sport. | 8,003.01 |
| 32 18 23 29-0027 | EA | End Zone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields<br>Note: Per letter. Excludes outline. | 2,987.79 |
| 32 18 23 29-0028 | EA | Colored End Zone For AstroTurf® GameDay Grass™ MT 45 Fields<br>Note: Per end zone. | 2,667.67 |
| 32 18 23 29-0029 | EA | Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields<br>Note: Block letter. | 23,475.50 |
| 32 18 23 29-0030 | EA | Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields<br>Note: Graphic. | 34,039.48 |

32 18 23 29-0031 Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) *(32 18 23 29-0002)*

32 18 23 29-0032 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) *(32 18 23 29-0031)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 18 23 29-0033 | SF | 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52) | 11.38 | |
| | | *For Ambient Rubber And Sand Infill, Add* | *0.10* | |
| | | *For Cryo Rubber Infill, Add* | *0.20* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add* | *0.25* | |
| | | *For Cryo Rubber And Sand Infill, Add* | *0.30* | |
| 32 18 23 29-0034 | EA | Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields | 30,411.27 | |
| 32 18 23 29-0035 | EA | Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields | 32,438.68 | |
| 32 18 23 29-0036 | EA | Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields<br>Note: Per sport. | 9,070.03 | |
| 32 18 23 29-0037 | EA | End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields<br>Note: Per letter. Excludes outline. | 3,414.60 | |
| 32 18 23 29-0038 | EA | Colored End Zone For AstroTurf® GameDay Grass™ 3DX 52 Fields<br>Note: Per end zone. | 2,881.07 | |
| 32 18 23 29-0039 | EA | Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields<br>Note: Block letter. | 25,609.49 | |
| 32 18 23 29-0040 | EA | Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields<br>Note: Graphic. | 37,133.76 | |

## 32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) *(32 18 23 29-0031)*

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 18 23 29-0042 | SF | 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60) | 11.77 | |
| | | *For Ambient Rubber And Sand Infill, Add* | *0.10* | |
| | | *For Cryo Rubber Infill, Add* | *0.20* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add* | *0.25* | |
| | | *For Cryo Rubber And Sand Infill, Add* | *0.30* | |
| 32 18 23 29-0043 | EA | Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields | 30,944.80 | |
| 32 18 23 29-0044 | EA | Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields | 36,066.70 | |
| 32 18 23 29-0045 | EA | Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields<br>Note: Per sport. | 9,603.56 | |
| 32 18 23 29-0046 | EA | End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields<br>Note: Per letter. Excludes outline. | 3,628.01 | |
| 32 18 23 29-0047 | EA | Colored End Zone For AstroTurf® GameDay Grass™ 3DX 60 Fields<br>Note: Per end zone. | 2,987.77 | |
| 32 18 23 29-0048 | EA | Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields<br>Note: Block letter. | 26,676.55 | |
| 32 18 23 29-0049 | EA | Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields<br>Note: Graphic. | 38,681.00 | |

## 32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) *(32 18 23 29-0031)*

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 18 23 29-0051 | SF | 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52) | 11.79 | |
| | | *For Ambient Rubber And Sand Infill, Add* | *0.10* | |
| | | *For Cryo Rubber Infill, Add* | *0.20* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add* | *0.25* | |
| | | *For Cryo Rubber And Sand Infill, Add* | *0.30* | |
| 32 18 23 29-0052 | EA | Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields | 31,478.33 | |
| 32 18 23 29-0053 | EA | Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields | 36,280.11 | |
| 32 18 23 29-0054 | EA | Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields<br>Note: Per sport. | 10,137.09 | |
| 32 18 23 29-0055 | EA | End Zone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields<br>Note: Per letter. Excludes outline. | 3,841.42 | |
| 32 18 23 29-0056 | EA | Colored End Zone For AstroTurf® GameDay Grass™ 3D 52 Fields<br>Note: Per end zone. | 3,094.48 | |
| 32 18 23 29-0057 | EA | Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields<br>Note: Block letter. | 27,743.61 | |
| 32 18 23 29-0058 | EA | Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields<br>Note: Graphic. | 40,228.24 | |

## 32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) *(32 18 23 29-0031)*

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 18 23 29-0060 | SF | 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60) | 12.02 | |
| | | *For Ambient Rubber And Sand Infill, Add* | *0.10* | |
| | | *For Cryo Rubber Infill, Add* | *0.20* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add* | *0.25* | |
| | | *For Cryo Rubber And Sand Infill, Add* | *0.30* | |
| 32 18 23 29-0061 | EA | Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields | 32,011.86 | |
| 32 18 23 29-0062 | EA | Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields | 38,627.64 | |
| 32 18 23 29-0063 | EA | Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields<br>Note: Per sport. | 10,670.62 | |
| 32 18 23 29-0064 | EA | End Zone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields<br>Note: Per letter. Excludes outline. | 4,268.25 | |
| 32 18 23 29-0065 | EA | Colored End Zone For AstroTurf® GameDay Grass™ 3D 60 Fields<br>Note: Per end zone. | 3,201.19 | |
| 32 18 23 29-0066 | EA | Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields<br>Note: Block letter. | 28,810.67 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 18 23 29-0067 | EA | Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields<br>Note: Graphic. | 41,775.48 | |

## 32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) *(32 18 23 29-0002)*

## 32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) *(32 18 23 29-0068)*

| | | | | |
|---|---|---|---|---|
| 32 18 23 29-0070 | SF | 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38) | 9.60 | |
| | | *For Ambient Rubber And Sand Infill, Add* | *0.10* | |
| | | *For Cryo Rubber Infill, Add* | *0.26* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add* | *0.31* | |
| | | *For Cryo Rubber And Sand Infill, Add* | *0.36* | |
| 32 18 23 29-0071 | EA | Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields | 27,210.24 | |
| 32 18 23 29-0072 | EA | Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields | 20,060.89 | |
| 32 18 23 29-0073 | EA | Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields<br>Note: Per sport. | 5,868.88 | |
| 32 18 23 29-0074 | EA | End Zone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields<br>Note: Per letter. Excludes outline. | 2,134.14 | |
| 32 18 23 29-0075 | EA | Colored End Zone For AstroTurf® GameDay Grass™ XPe 38 Fields<br>Note: Per end zone. | 2,240.84 | |
| 32 18 23 29-0076 | EA | Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields<br>Note: Block letter. | 19,207.23 | |
| 32 18 23 29-0077 | EA | Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields<br>Note: Graphic. | 27,850.49 | |

## 32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) *(32 18 23 29-0068)*

| | | | | |
|---|---|---|---|---|
| 32 18 23 29-0079 | SF | 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42) | 8.44 | |
| | | *For Ambient Rubber And Sand Infill, Add* | *0.10* | |
| | | *For Cryo Rubber Infill, Add* | *0.26* | |
| | | *For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add* | *0.31* | |
| | | *For Cryo Rubber And Sand Infill, Add* | *0.36* | |
| 32 18 23 29-0080 | EA | Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields | 27,743.61 | |
| 32 18 23 29-0081 | EA | Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields | 21,341.24 | |
| 32 18 23 29-0082 | EA | Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields<br>Note: Per sport. | 6,402.37 | |
| 32 18 23 29-0083 | EA | End Zone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields<br>Note: Per letter. Excludes outline. | 2,347.54 | |
| 32 18 23 29-0084 | EA | Colored End Zone For AstroTurf® GameDay Grass™ XPe 42 Fields<br>Note: Per end zone. | 2,347.54 | |
| 32 18 23 29-0085 | EA | Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields<br>Note: Block letter. | 20,274.18 | |
| 32 18 23 29-0086 | EA | Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields<br>Note: Graphic. | 29,397.56 | |

## 32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) *(32 18 23 29-0002)*

| | | | | |
|---|---|---|---|---|
| 32 18 23 29-0088 | SF | Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) | 18.86 | |
| 32 18 23 29-0089 | SF | Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®) | 16.90 | |
| 32 18 23 29-0090 | EA | Football Markings For AstroTurf® PureGrass® Fields | 52,652.55 | |
| 32 18 23 29-0091 | EA | Baseball Markings For AstroTurf® PureGrass® Fields | 62,553.03 | |
| 32 18 23 29-0092 | EA | Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields<br>Note: Per sport. | 15,300.74 | |
| 32 18 23 29-0093 | EA | End Zone Lettering For AstroTurf® PureGrass® Fields<br>Note: Per letter. Excludes outline. | 5,850.28 | |
| 32 18 23 29-0094 | EA | Colored End Zone For AstroTurf® PureGrass® Fields<br>Note: Per end zone. | 4,342.48 | |
| 32 18 23 29-0095 | EA | Simple Logo For AstroTurf® PureGrass® Fields<br>Note: Block letter. | 39,082.31 | |
| 32 18 23 29-0096 | EA | Deluxe Logo For AstroTurf® PureGrass® Fields<br>Note: Graphic. | 57,377.78 | |

## 32 18 23 29-0097 Synthetic Turf (G9 Turf) *(32 18 23 29-0001)*

Note: Includes labor, equipment and material required to install the task.

| | | | | |
|---|---|---|---|---|
| 32 18 23 29-0098 | SF | 2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf)<br>Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos. | 10.44 | |
| | | *For >35,000, Deduct* | *-0.94* | |
| 32 18 23 29-0099 | SF | 2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf)<br>Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos. | 10.34 | |
| | | *For >35,000, Deduct* | *-0.93* | |
| 32 18 23 29-0100 | SF | 1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf)<br>Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos. | 10.80 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 18 23 29-0101 | EA | Football Inlays For G9 Synthetic Turf<br>Note: Includes field grid, numbers, arrows, coach's box and kick off lines. | 72,806.55 | |
| 32 18 23 29-0102 | EA | Soccer Inlays For G9 Synthetic Turf | 31,549.50 | |
| 32 18 23 29-0103 | EA | Boys Lacrosse Inlays For G9 Synthetic Turf | 31,549.50 | |
| 32 18 23 29-0104 | EA | Girls Lacrosse Inlays For G9 Synthetic Turf | 31,549.50 | |
| 32 18 23 29-0105 | EA | Field Hockey Inlays For G9 Synthetic Turf | 31,549.50 | |
| 32 18 23 29-0106 | EA | End Zone Lettering For G9 Synthetic Turf<br>Note: Priced per letter. Includes single color outlining. | 3,640.33 | |
| 32 18 23 29-0107 | SF | Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf | 3.41 | |
| 32 18 23 29-0108 | SF | Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf | 8.90 | |
| 32 18 23 29-0109 | SF | Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf | 2.54 | |
| 32 18 23 29-0110 | SF | Sand Infill For G9 Synthetic Turf | 1.28 | |
| 32 18 23 29-0111 | SF | Acrylic Coated Sand Infill For G9 Synthetic Turf | 2.10 | |
| 32 18 23 29-0112 | EA | Gmax Compaction And Hardness Test For G9 Synthetic Turf<br>Note: Includes a comprehensive report. | 2,426.88 | |
| 32 18 23 29-0113 | EA | Safety Bridge Over Track For G9 Synthetic Turf | 24,268.85 | |
| 32 18 23 29-0114 | SF | Clean And Groom Synthetic Turf<br>Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc. | 0.80 | |
| | | *For >10,000 To 30,000, Deduct* | *-0.32* | |
| | | *For >30,000 To 60,000, Deduct* | *-0.56* | |
| | | *For >60,000, Deduct* | *-0.61* | |
| 32 18 23 29-0115 | SF | Rejuvenate Synthetic Turf And Reinstall Existing Infill<br>Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed. | 5.44 | |
| 32 18 23 29-0116 | SF | Rejuvenate Synthetic Turf For Installation Of New Infill<br>Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill. | 6.05 | |
| 32 18 23 29-0117 | SF | Drainage Layer For G9 Synthetic Turf<br>Note: Used for drainage over asphalt or on rooftops. | 4.96 | |
| 32 18 23 29-0118 | SF | 15 mm, Shock Pad For G9 Synthetic Turf<br>Note: Used for additional Gmax for a stone base field. | 3.05 | |
| 32 18 23 29-0119 | EA | Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf<br>Note: Includes field inspection and report. | 4,836.60 | |
| 32 18 23 29-0120 | LF | Repair Inlay Lines Or Seams On G9 Synthetic Turf<br>Note: Linear foot price for repairs over the initial repair call maximum of 300 LF. | 13.30 | |
| 32 18 23 29-0121 | LF | Nailer Used To Attach G9 Synthetic Turf | 5.32 | |
| 32 18 23 29-0122 | SF | Removal And Recycling Of Existing Field<br>Note: Includes removal, shipping and recycling of infill, fibers and backing. | 3.75 | |

## 32 18 23 33 Running Track Surfacing *(32 18 23)*

### 32 18 23 33-0001 Running Track Surfacing *(32 18 23 33)*

| | | | | |
|---|---|---|---|---|
| 32 18 23 33-0002 | SY | 2-1/2" Asphaltic Concrete Running Track Surfacing | 36.13 | |

### 32 18 23 33-0003 Running Track Seal And Colored Surfaces *(32 18 23 33)*

| | | | | |
|---|---|---|---|---|
| 32 18 23 33-0004 | SY | 1 Seal Coat, Striping Of Track<br>Note: Includes certification. | 16.47 | |

## 32 18 23 39 Synthetic Running Track Surfacing *(32 18 23)*

### 32 18 23 39-0001 Synthetic Running Track Surfacing And Striping *(32 18 23 39)*

Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.

| | | | | |
|---|---|---|---|---|
| 32 18 23 39-0002 | SY | Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing | 86.20 | 7.58 |
| | | *For >5,500, Deduct* | *-6.70* | |
| | | *For Up To 4,000, Add* | *21.30* | |
| 32 18 23 39-0003 | SY | Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing | 108.11 | 7.58 |
| | | *For >5,500, Deduct* | *-8.99* | |
| | | *For Up To 4,000, Add* | *28.59* | |
| | | *For Custom Color Upgrade, Add* | *7.76* | |
| | | *For Aliphatic Top Coating, Add* | *14.70* | |
| 32 18 23 39-0004 | SY | Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing | 176.93 | 7.58 |
| | | *For >5,500, Deduct* | *-8.24* | |
| | | *For Up To 4,000, Add* | *48.05* | |
| | | *For Custom Color Upgrade, Add* | *10.57* | |
| | | *For Aliphatic Top Coating, Add* | *19.63* | |
| 32 18 23 39-0005 | SY | Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing | 229.94 | 7.58 |
| | | *For >5,500, Deduct* | *-10.64* | |
| | | *For Up To 4,000, Add* | *62.07* | |
| | | *For Custom Color Upgrade, Add* | *13.83* | |
| | | *For Aliphatic Top Coating, Add* | *20.22* | |
| 32 18 23 39-0006 | SY | Latex Binder, Synthetic Running Track Surfacing | 78.01 | |
| | | *For >5,500, Deduct* | *-11.31* | |
| | | *For Up To 4,000, Add* | *27.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 18 23 39-0007 | SY | Spray Retop Running Tracks | 68.52 | |
| | | *For Up To 4,000, Add* | *23.98* | |
| | | *For >5,500, Deduct* | *-6.70* | |
| 32 18 23 39-0008 | SY | Sandwich Retop Running Tracks | 132.64 | |
| | | *For Up To 4,000, Add* | *46.42* | |
| | | *For >5,500, Deduct* | *-13.98* | |

## 32 18 23 53 Tennis Court Surfacing *(32 18 23)*

### 32 18 23 53-0001 Tennis Court Surfacing *(32 18 23 53)*

See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing., 32 18 23 61-0001 for 100% acrylic tennis court surfacing.

| | | | |
|---|---|---|---|
| 32 18 23 53-0002 | SY | Tennis Court Bituminous Pavement, 2-1/2" Thick | 37.16 |

### 32 18 23 53-0003 Tennis Court Markings *(32 18 23 53)*

| | | | |
|---|---|---|---|
| 32 18 23 53-0004 | EA | Paint Markings On Asphalt Tennis Court 2 Coats | 513.41 |

## 32 18 23 56 Natural Tennis Court Surfacing *(32 18 23)*

| | | | |
|---|---|---|---|
| 32 18 23 56-0001 | SY | Clay Tennis Court | 51.64 |
| 32 18 23 56-0002 | SY | Tennis Court, Pulverized Natural Greenstone, Fast Dry<br>Note: Includes 4" base. | 57.38 |
| 32 18 23 56-0003 | SY | Tennis Court, Rubber-Cork Base Resilient Pavement | 20.94 |
| 32 18 23 56-0004 | SY | Resurface Clay Tennis Court | 15.27 |
| 32 18 23 56-0005 | SY | Resurface Tennis Court, Pulverized Natural Greenstone | 13.01 |
| 32 18 23 56-0006 | SY | Resurface Tennis Court, Resilient Pavement | 8.96 |

## 32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing *(32 18 23)*

### 32 18 23 61-0001 100% Acrylic Athletic Surfacing System (Plexipave®) *(32 18 23 61)*

Note: Excludes asphalt or concrete sub base and repairs of sub base.

### 32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

| | | | |
|---|---|---|---|
| 32 18 23 61-0003 | SY | 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat<br>Note: Includes ultra fine silica sand. Applied with rubber squeegee. | 1.68 |
| 32 18 23 61-0004 | SY | Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat<br>Note: For previously uncoated portland cement concrete. Applied with broom. | 0.84 |
| 32 18 23 61-0005 | SY | Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat<br>Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller. | 2.15 |
| 32 18 23 61-0006 | SY | Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat<br>Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed. | 94.11 |

### 32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.

| | | | | |
|---|---|---|---|---|
| 32 18 23 61-0008 | SY | 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat<br>Note: Includes ultra fine silica sand. Applied with rubber squeegee. | 3.36 | |
| | | *For Pacific Blue, Add* | | *1.18* |
| | | *For US Open Blue, Add* | | *1.83* |
| 32 18 23 61-0009 | SY | 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat<br>Note: Includes ultra fine silica sand. Applied with rubber squeegee. | 2.76 | |
| | | *For Pacific Blue, Add* | | *0.85* |
| | | *For US Open Blue, Add* | | *1.31* |
| 32 18 23 61-0010 | SY | 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat<br>Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee. | 2.42 | |
| | | *For Pacific Blue, Add* | | *0.66* |
| | | *For US Open Blue, Add* | | *1.02* |
| 32 18 23 61-0011 | SY | Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat<br>Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom. | 2.41 | |
| | | *For Pacific Blue, Add* | | *0.79* |
| | | *For US Open Or Australian Open Blue, Add* | | *1.29* |
| | | *For Pro Purple, Add* | | *2.22* |

### 32 18 23 61-0012 Line Striping For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

| | | | |
|---|---|---|---|
| 32 18 23 61-0013 | SY | Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®)<br>Note: Textured or non-textured highly reflective line marking paint. | 1.67 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 18 23 61-0014 | | Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) *(32 18 23 61-0001)* | | |
| 32 18 23 61-0015 | SY | Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat<br>Note: Applied with rubber squeegee. | 5.06 | |
| 32 18 23 61-0016 | SY | Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat<br>Note: Applied with rubber squeegee. | 6.84 | |
| 32 18 23 61-0017 | SY | Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat<br>Note: Price per coat for third or additional coats. Applied with rubber squeegee. | 5.91 | |
| 32 18 23 61-0018 | SY | Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat<br>Note: Applied with rubber squeegee. | 4.47 | |
| 32 18 23 61-0019 | SY | Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat<br>Note: Price per coat for second or additional coats. Applied with rubber squeegee. | 3.46 | |
| 32 18 23 61-0020 | | Resurface Athletic Court *(32 18 23 61)*<br>Note: Excludes asphalt or concrete sub base and repairs of sub base. | | |
| 32 18 23 61-0021 | SY | Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster) | 2.89 | |

# 32 30 Site Improvements *(32)*

## 32 31 Fences and Gates *(32 30)*

### 32 31 11 Gate Operators *(32 31)*

| | | | | |
|---|---|---|---|---|
| 32 31 11 00-0001 | | Gate Operators *(32 31 11)*<br>Note: Excludes gates, electrical connections, access controls and concrete foundation. | | |
| 32 31 11 00-0002 | | Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0001)* | | |
| 32 31 11 00-0003 | | Swing Gate Actuator (DKS™ DoorKing®) *(32 31 11 00-0002)* | | |
| 32 31 11 00-0004 | | Single Gate, Swing Gate Actuator *(32 31 11 00-0003)* | | |
| 32 31 11 00-0005 | EA | Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)<br>Note: Includes one primary operator with a 10' wide gate capacity. | 2,043.51 | 249.02 |
| 32 31 11 00-0006 | EA | Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)<br>Note: Includes one primary operator with a 14' wide gate capacity. | 2,713.22 | 249.02 |
| 32 31 11 00-0007 | | Dual Gate, Swing Gate Actuator *(32 31 11 00-0003)* | | |
| 32 31 11 00-0008 | EA | Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)<br>Note: Includes one primary and one secondary operator each with a 10' wide gate capacity. | 4,087.03 | 498.03 |
| 32 31 11 00-0009 | EA | Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)<br>Note: Includes one primary and one secondary operator each with a 14' wide gate capacity. | 5,426.45 | 498.03 |
| 32 31 11 00-0010 | | Swing Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)* | | |
| 32 31 11 00-0011 | | Single Gate, Swing Gate Operators *(32 31 11 00-0010)* | | |
| 32 31 11 00-0012 | EA | 400 Lb. Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050)<br>Note: Includes one primary operator with a 10' wide and 400 Lb. gate capacity. | 4,138.49 | 249.02 |
| 32 31 11 00-0013 | EA | 500 Lb. Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100)<br>Note: Includes one primary operator with a 14' wide and 500 Lb. gate capacity. | 4,499.11 | 249.02 |
| 32 31 11 00-0014 | EA | 700 Lb. Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)<br>Note: Includes one primary operator with an 18' wide and 700 Lb. gate capacity. | 6,096.10 | 249.02 |
| | | *For 208/230/460 Volt AC, Add* | *322.50* | |
| 32 31 11 00-0015 | EA | 800 Lb. Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)<br>Note: Includes one primary operator with a 22' wide and 800 Lb. gate capacity. | 6,903.19 | 249.02 |
| | | *For 208/230/460 Volt AC, Add* | *322.50* | |
| 32 31 11 00-0016 | | Dual Gate, Swing Gate Operators *(32 31 11 00-0010)* | | |
| 32 31 11 00-0017 | EA | 400 Lb. Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050)<br>Note: Includes one primary and one secondary operator each with a 10' wide and 400 Lb. gate capacity. | 7,332.54 | 498.03 |
| 32 31 11 00-0018 | EA | 500 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)<br>Note: Includes one primary and one secondary operator each with a 14' wide and 500 Lb. gate capacity. | 8,053.76 | 498.03 |
| 32 31 11 00-0019 | EA | 700 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)<br>Note: Includes one primary and one secondary operator each with an 18' wide and 700 Lb. gate capacity. | 11,230.58 | 498.03 |
| | | *For 208/230/460 Volt AC, Add* | *322.50* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 11 00-0020 | EA | 800 Lb. Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) | 12,999.30 | 498.03 |
| | | Note: Includes one primary and one secondary operator each with a 22' wide and 800 Lb. gate capacity. | | |
| | | *For 208/230/460 Volt AC, Add* | *322.50* | |

### 32 31 11 00-0021 Sliding Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*

Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.

| | | | | |
|---|---|---|---|---|
| 32 31 11 00-0022 | EA | 300 Lb. Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) | 1,957.04 | 249.02 |
| | | Note: Includes operator, chain brackets, hardware and 20' of #41 chain. | | |
| 32 31 11 00-0023 | EA | 1,000 Lb. Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) | 2,719.84 | 298.82 |
| | | Note: Includes operator, chain brackets, hardware and 20' of #41 chain. | | |
| 32 31 11 00-0024 | EA | 1,500 Lb. Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) | 3,338.82 | 298.82 |
| | | Note: Includes operator, chain brackets, hardware and 20' of #40 chain. | | |
| 32 31 11 00-0025 | EA | 3,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) | 4,344.77 | 348.62 |
| | | Note: Includes operator, chain brackets, hardware and 20' of #50 chain. | | |
| 32 31 11 00-0026 | EA | 2,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) | 5,299.76 | 348.62 |
| | | Note: Includes operator, chain brackets, hardware and 20' of #50 chain. | | |
| 32 31 11 00-0027 | EA | 5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) | 7,203.25 | 398.43 |
| | | Note: Includes operator, chain brackets, hardware and 20' of #60 chain. | | |
| 32 31 11 00-0028 | EA | 5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) | 11,938.41 | 398.43 |
| | | Note: Includes operator, chain brackets, hardware and 20' of #60 chain. | | |
| 32 31 11 00-0029 | EA | 10,000 Lb. Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) | 20,155.42 | 448.23 |
| | | Note: Includes operator, chain brackets, hardware and 20' of #60 chain. | | |

### 32 31 11 00-0030 Accessories For Gate Actuators And Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*

| | | | |
|---|---|---|---|
| 32 31 11 00-0031 | EA | Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410) | 691.20 |
| 32 31 11 00-0032 | EA | Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409) | 1,346.34 |
| 32 31 11 00-0033 | EA | Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601) | 886.09 |
| 32 31 11 00-0034 | EA | Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031) | 968.53 |
| 32 31 11 00-0035 | EA | Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020) | 865.50 |
| 32 31 11 00-0036 | EA | Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310) | 616.50 |
| 32 31 11 00-0037 | LF | #40 Chain For Sliding Gate Operators | 6.06 |
| 32 31 11 00-0038 | LF | #41 Chain For Sliding Gate Operators | 6.32 |
| 32 31 11 00-0039 | LF | #50 Chain For Sliding Gate Operators | 8.04 |
| 32 31 11 00-0040 | LF | #60 Chain For Sliding Gate Operators | 12.29 |
| 32 31 11 00-0041 | EA | Exterior Keypad Gate Operator (Linear AK-11) | 751.97 |

### 32 31 11 00-0042 Sliding Gate Operator (LiftMaster) *(32 31 11 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 31 11 00-0043 | EA | Up To 1,500 Lb. Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U) | 2,919.19 | 305.19 |
| | | Note: Includes 24 VDC Battery Back-up (208 Cycle), 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL), Receiver Stores Upto 50 Remote Controls. | | |
| | | *For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add* | *191.03* | |
| | | *For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add* | *136.74* | |
| | | *For Wireless Keypad Option (Liftmaster KPW250), Add* | *280.85* | |
| | | *For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add* | *67.34* | |
| | | *For Post Mounting Platel (Liftmaster MPEL), Add* | *252.04* | |
| | | *For 10 Watt Solar Panel (Liftmaster SP10W12V), Add* | *270.67* | |
| | | *For Each Additional 10' Chain, Add* | *40.54* | |
| | | *For 2-Button Remote Control (Liftmaster 892LT), Add* | *38.32* | |

## 32 31 13 Chain Link Fences and Gates *(32 31)*

### 32 31 13 13 Chain Link Fences and Gates *(32 31 13)*

### 32 31 13 13-0001 Post Holes *(32 31 13 13)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0083 for core drilling in concrete, 02 41 19 13-0221 for core drilling in asphalt.

### 32 31 13 13-0002 Auger By Machine Fence Post Hole In Soil *(32 31 13 13-0001)*

| | | | |
|---|---|---|---|
| 32 31 13 13-0003 | VLF | Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil | 10.64 |
| 32 31 13 13-0004 | VLF | 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil | 11.97 |
| 32 31 13 13-0005 | VLF | 3" Diameter Hole, Auger By Machine Fence Post Hole In Soil | 14.18 |
| 32 31 13 13-0006 | VLF | 4" Diameter Hole, Auger By Machine Fence Post Hole In Soil | 15.96 |
| 32 31 13 13-0007 | VLF | 6" Diameter Hole, Auger By Machine Fence Post Hole In Soil | 17.41 |
| 32 31 13 13-0008 | VLF | 8" Diameter Hole, Auger By Machine Fence Post Hole In Soil | 19.14 |
| 32 31 13 13-0009 | VLF | 10" Diameter Hole, Auger By Machine Fence Post Hole In Soil | 21.27 |
| 32 31 13 13-0010 | VLF | 12" Diameter Hole, Auger By Machine Fence Post Hole In Soil | 23.93 |
| 32 31 13 13-0011 | VLF | 18" Diameter Hole, Auger By Machine Fence Post Hole In Soil | 27.36 |
| 32 31 13 13-0012 | VLF | 24" Diameter Hole, Auger By Machine Fence Post Hole In Soil | 31.91 |
| 32 31 13 13-0013 | VLF | 30" Diameter Hole, Auger By Machine Fence Post Hole In Soil | 38.30 |
| 32 31 13 13-0014 | VLF | 36" Diameter Hole, Auger By Machine Fence Post Hole In Soil | 47.87 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0015 | | **Post Hole In Rock** *(32 31 13 13-0001)* | | |
| 32 31 13 13-0016 | CF | Jackhammer Post Hole In Rock | 81.85 | |
| 32 31 13 13-0017 | CF | Rock Drill Post Hole In Rock | 21.77 | |
| 32 31 13 13-0018 | | **Fill For Post Holes** *(32 31 13 13-0001)* | | |
| | | See CSI section 03 21 00 00-0000 for reinforcing steel. | | |
| 32 31 13 13-0019 | | **Concrete Fill For Post Holes** *(32 31 13 13-0018)* | | |
| 32 31 13 13-0020 | VLF | Up To 2-1/2" Diameter, Concrete Fill For Post Hole | 6.55 | |
| 32 31 13 13-0021 | VLF | 2-1/2" Diameter, Concrete Fill For Post Hole | 8.42 | |
| 32 31 13 13-0022 | VLF | 3" Diameter, Concrete Fill For Post Hole | 9.26 | |
| 32 31 13 13-0023 | VLF | 4" Diameter, Concrete Fill For Post Hole | 10.64 | |
| 32 31 13 13-0024 | VLF | 6" Diameter, Concrete Fill For Post Hole | 14.99 | |
| 32 31 13 13-0025 | VLF | 8" Diameter, Concrete Fill For Post Hole | 20.01 | |
| 32 31 13 13-0026 | VLF | 10" Diameter, Concrete Fill For Post Hole | 24.46 | |
| 32 31 13 13-0027 | VLF | 12" Diameter, Concrete Fill For Post Hole | 28.53 | |
| 32 31 13 13-0028 | VLF | 18" Diameter, Concrete Fill For Post Hole | 38.83 | |
| 32 31 13 13-0029 | VLF | 24" Diameter, Concrete Fill For Post Hole | 48.13 | |
| 32 31 13 13-0030 | VLF | 30" Diameter, Concrete Fill For Post Hole | 57.20 | |
| 32 31 13 13-0031 | VLF | 36" Diameter, Concrete Fill For Post Hole | 66.62 | |
| 32 31 13 13-0032 | | **Grout Fill For Post Holes** *(32 31 13 13-0018)* | | |
| 32 31 13 13-0033 | VLF | Up To 2-1/2" Diameter, Grout Fill For Post Hole | 7.78 | |
| 32 31 13 13-0034 | VLF | 2-1/2" Diameter, Grout Fill For Post Hole | 10.02 | |
| 32 31 13 13-0035 | VLF | 3" Diameter, Grout Fill For Post Hole | 10.90 | |
| 32 31 13 13-0036 | VLF | 4" Diameter, Grout Fill For Post Hole | 12.24 | |
| 32 31 13 13-0037 | VLF | 6" Diameter, Grout Fill For Post Hole | 17.09 | |
| 32 31 13 13-0038 | VLF | 8" Diameter, Grout Fill For Post Hole | 22.81 | |
| 32 31 13 13-0039 | VLF | 10" Diameter, Grout Fill For Post Hole | 27.80 | |
| 32 31 13 13-0040 | VLF | 12" Diameter, Grout Fill For Post Hole | 32.26 | |
| 32 31 13 13-0041 | VLF | 18" Diameter, Grout Fill For Post Hole | 43.08 | |
| 32 31 13 13-0042 | VLF | 24" Diameter, Grout Fill For Post Hole | 52.60 | |
| 32 31 13 13-0043 | VLF | 30" Diameter, Grout Fill For Post Hole | 61.81 | |
| 32 31 13 13-0044 | VLF | 36" Diameter, Grout Fill For Post Hole | 71.25 | |
| 32 31 13 13-0045 | | **Compacted Earth Fill For Post Holes** *(32 31 13 13-0018)* | | |
| 32 31 13 13-0046 | VLF | Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole | 5.54 | |
| 32 31 13 13-0047 | VLF | 2-1/2" Diameter, Compacted Earth Fill For Post Hole | 7.22 | |
| 32 31 13 13-0048 | VLF | 3" Diameter, Compacted Earth Fill For Post Hole | 7.54 | |
| 32 31 13 13-0049 | VLF | 4" Diameter, Compacted Earth Fill For Post Hole | 7.76 | |
| 32 31 13 13-0050 | VLF | 6" Diameter, Compacted Earth Fill For Post Hole | 10.37 | |
| 32 31 13 13-0051 | VLF | 8" Diameter, Compacted Earth Fill For Post Hole | 13.83 | |
| 32 31 13 13-0052 | VLF | 10" Diameter, Compacted Earth Fill For Post Hole | 16.60 | |
| 32 31 13 13-0053 | VLF | 12" Diameter, Compacted Earth Fill For Post Hole | 18.82 | |
| 32 31 13 13-0054 | VLF | 18" Diameter, Compacted Earth Fill For Post Hole | 22.93 | |
| 32 31 13 13-0055 | VLF | 24" Diameter, Compacted Earth Fill For Post Hole | 25.73 | |
| 32 31 13 13-0056 | VLF | 30" Diameter, Compacted Earth Fill For Post Hole | 28.22 | |
| 32 31 13 13-0057 | VLF | 36" Diameter, Compacted Earth Fill For Post Hole | 30.44 | |
| 32 31 13 13-0058 | | **Fence Posts** *(32 31 13 13)* | | |
| | | Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill. | | |
| 32 31 13 13-0059 | | **Fence Posts** *(32 31 13 13-0058)* | | |
| 32 31 13 13-0060 | | **1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** *(32 31 13 13-0059)* | | |
| | | Note: Includes cap and accessories. | | |
| 32 31 13 13-0061 | LF | 1-7/8" Galvanized H-beam Post, Up To 6' In Length | 20.64 | 3.16 |
| | | *For Each Top Rail Fitting, Add* | *0.85* | |
| 32 31 13 13-0062 | LF | 1-7/8" Galvanized H-beam Post, 7' To 10' In Length | 19.74 | 2.69 |
| | | *For Each Top Rail Fitting, Add* | *0.85* | |
| 32 31 13 13-0063 | LF | 1-7/8" Galvanized H-beam Post, 11' To 15' In Length | 18.65 | 2.22 |
| | | *For Each Top Rail Fitting, Add* | *0.85* | |
| 32 31 13 13-0064 | LF | 1-7/8" Galvanized H-beam Post, 16' To 20' In Length | 17.77 | 1.76 |
| | | *For Each Top Rail Fitting, Add* | *0.85* | |
| 32 31 13 13-0065 | LF | 1-7/8" Galvanized H-beam Post, 21' To 24' In Length | 17.17 | 1.53 |
| | | *For Each Top Rail Fitting, Add* | *0.85* | |
| 32 31 13 13-0066 | LF | 1-7/8" Galvanized H-beam Post, >24' In Length | 16.26 | 1.05 |
| | | *For Each Top Rail Fitting, Add* | *0.85* | |
| 32 31 13 13-0067 | | **Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)** *(32 31 13 13-0059)* | | |
| | | Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories. | | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0068 | LF | Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post | 14.13 | 2.92 |
| | | *For Each Top Rail Fitting, Add* | *0.85* | |
| | | *For Each Single Barbed Wire Arm, Add* | *1.90* | |
| | | *For Each Double Barbed Wire Arm, Add* | *3.40* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *2.07* | |
| | | *For Vinyl Coated, Add* | *4.96* | |
| | | *For Powder Coated, Add* | *6.62* | |
| | | *For Aluminum Coated, Add* | *10.34* | |
| | | *For Schedule 20, Deduct* | *-1.65* | |
| | | *For Schedule 80, Add* | *4.56* | |
| 32 31 13 13-0069 | LF | 7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post | 13.10 | 2.46 |
| | | *For Each Top Rail Fitting, Add* | *0.85* | |
| | | *For Each Single Barbed Wire Arm, Add* | *1.90* | |
| | | *For Each Double Barbed Wire Arm, Add* | *3.40* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *2.04* | |
| | | *For Vinyl Coated, Add* | *4.89* | |
| | | *For Powder Coated, Add* | *6.52* | |
| | | *For Aluminum Coated, Add* | *10.19* | |
| | | *For Schedule 20, Deduct* | *-1.63* | |
| | | *For Schedule 80, Add* | *4.41* | |
| 32 31 13 13-0070 | LF | 11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post | 12.04 | 1.99 |
| | | *For Each Top Rail Fitting, Add* | *0.85* | |
| | | *For Each Single Barbed Wire Arm, Add* | *1.90* | |
| | | *For Each Double Barbed Wire Arm, Add* | *3.40* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *2.02* | |
| | | *For Vinyl Coated, Add* | *4.85* | |
| | | *For Powder Coated, Add* | *6.47* | |
| | | *For Aluminum Coated, Add* | *10.11* | |
| | | *For Schedule 20, Deduct* | *-1.62* | |
| | | *For Schedule 80, Add* | *4.28* | |
| 32 31 13 13-0071 | LF | 16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post | 11.22 | 1.53 |
| | | *For Each Top Rail Fitting, Add* | *0.85* | |
| | | *For Each Single Barbed Wire Arm, Add* | *1.90* | |
| | | *For Each Double Barbed Wire Arm, Add* | *3.40* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *2.02* | |
| | | *For Vinyl Coated, Add* | *4.84* | |
| | | *For Powder Coated, Add* | *6.45* | |
| | | *For Aluminum Coated, Add* | *10.08* | |
| | | *For Schedule 20, Deduct* | *-1.61* | |
| | | *For Schedule 80, Add* | *4.18* | |
| 32 31 13 13-0072 | LF | 21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post | 10.69 | 1.29 |
| | | *For Each Top Rail Fitting, Add* | *0.85* | |
| | | *For Each Single Barbed Wire Arm, Add* | *1.90* | |
| | | *For Each Double Barbed Wire Arm, Add* | *3.40* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *2.01* | |
| | | *For Vinyl Coated, Add* | *4.83* | |
| | | *For Powder Coated, Add* | *6.44* | |
| | | *For Aluminum Coated, Add* | *10.06* | |
| | | *For Schedule 20, Deduct* | *-1.61* | |
| | | *For Schedule 80, Add* | *4.13* | |
| 32 31 13 13-0073 | LF | >24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post | 10.12 | 1.05 |
| | | *For Each Top Rail Fitting, Add* | *0.85* | |
| | | *For Each Single Barbed Wire Arm, Add* | *1.90* | |
| | | *For Each Double Barbed Wire Arm, Add* | *3.40* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *2.01* | |
| | | *For Vinyl Coated, Add* | *4.83* | |
| | | *For Powder Coated, Add* | *6.44* | |
| | | *For Aluminum Coated, Add* | *10.06* | |
| | | *For Schedule 20, Deduct* | *-1.61* | |
| | | *For Schedule 80, Add* | *4.07* | |
| 32 31 13 13-0074 | | Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) *(32 31 13 13-0059)* | | |
| | | Note: 2" outside diameter, Schedule 40. Includes cap and accessories. | | |
| 32 31 13 13-0075 | LF | 2" Outside Diameter Galvanized Steel Post, Up To 6' In Length | 16.17 | 3.04 |
| | | *For Each Top Rail Fitting, Add* | *1.35* | |
| | | *For Each Single Barbed Wire Arm, Add* | *2.65* | |
| | | *For Each Double Barbed Wire Arm, Add* | *4.88* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *2.53* | |
| | | *For Vinyl Coated, Add* | *6.07* | |
| | | *For Powder Coated, Add* | *8.09* | |
| | | *For Aluminum Coated, Add* | *12.64* | |
| | | *For Schedule 20, Deduct* | *-2.02* | |
| | | *For Schedule 80, Add* | *5.46* | |
| 32 31 13 13-0076 | LF | 2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length | 15.21 | 2.57 |
| | | *For Each Top Rail Fitting, Add* | *1.35* | |
| | | *For Each Single Barbed Wire Arm, Add* | *2.65* | |
| | | *For Each Double Barbed Wire Arm, Add* | *4.88* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *2.49* | |
| | | *For Vinyl Coated, Add* | *5.98* | |
| | | *For Powder Coated, Add* | *7.98* | |
| | | *For Aluminum Coated, Add* | *12.46* | |
| | | *For Schedule 20, Deduct* | *-1.99* | |
| | | *For Schedule 80, Add* | *5.31* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0077 | LF | 2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length | 14.08 | 2.11 |
| | | *For Each Top Rail Fitting, Add* | *1.35* | |
| | | *For Each Single Barbed Wire Arm, Add* | *2.65* | |
| | | *For Each Double Barbed Wire Arm, Add* | *4.88* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *2.47* | |
| | | *For Vinyl Coated, Add* | *5.93* | |
| | | *For Powder Coated, Add* | *7.91* | |
| | | *For Aluminum Coated, Add* | *12.36* | |
| | | *For Schedule 20, Deduct* | *-1.98* | |
| | | *For Schedule 80, Add* | *5.17* | |
| 32 31 13 13-0078 | LF | 2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length | 13.19 | 1.64 |
| | | *For Each Top Rail Fitting, Add* | *1.35* | |
| | | *For Each Single Barbed Wire Arm, Add* | *2.65* | |
| | | *For Each Double Barbed Wire Arm, Add* | *4.88* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *2.46* | |
| | | *For Vinyl Coated, Add* | *5.91* | |
| | | *For Powder Coated, Add* | *7.88* | |
| | | *For Aluminum Coated, Add* | *12.31* | |
| | | *For Schedule 20, Deduct* | *-1.97* | |
| | | *For Schedule 80, Add* | *5.06* | |
| 32 31 13 13-0079 | LF | 2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length | 12.63 | 1.41 |
| | | *For Each Top Rail Fitting, Add* | *1.35* | |
| | | *For Each Single Barbed Wire Arm, Add* | *2.65* | |
| | | *For Each Double Barbed Wire Arm, Add* | *4.88* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *2.46* | |
| | | *For Vinyl Coated, Add* | *5.90* | |
| | | *For Powder Coated, Add* | *7.87* | |
| | | *For Aluminum Coated, Add* | *12.30* | |
| | | *For Schedule 20, Deduct* | *-1.97* | |
| | | *For Schedule 80, Add* | *5.00* | |
| 32 31 13 13-0080 | LF | 2" Outside Diameter Galvanized Steel Post, >24' In Length | 12.09 | 1.18 |
| | | *For Each Top Rail Fitting, Add* | *1.35* | |
| | | *For Each Single Barbed Wire Arm, Add* | *2.65* | |
| | | *For Each Double Barbed Wire Arm, Add* | *4.88* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *2.46* | |
| | | *For Vinyl Coated, Add* | *5.90* | |
| | | *For Powder Coated, Add* | *7.86* | |
| | | *For Aluminum Coated, Add* | *12.29* | |
| | | *For Schedule 20, Deduct* | *-1.97* | |
| | | *For Schedule 80, Add* | *4.94* | |

### 32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) *(32 31 13 13-0059)*

Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0082 | LF | 2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length | 19.76 | 3.28 |
| | | *For Each Top Rail Fitting, Add* | *1.35* | |
| | | *For Each Single Barbed Wire Arm, Add* | *2.65* | |
| | | *For Each Double Barbed Wire Arm, Add* | *4.88* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *3.34* | |
| | | *For Vinyl Coated, Add* | *8.02* | |
| | | *For Powder Coated, Add* | *10.70* | |
| | | *For Aluminum Coated, Add* | *16.71* | |
| | | *For Schedule 20, Deduct* | *-2.67* | |
| | | *For Schedule 80, Add* | *7.06* | |
| 32 31 13 13-0083 | LF | 2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length | 18.69 | 2.81 |
| | | *For Each Top Rail Fitting, Add* | *1.35* | |
| | | *For Each Single Barbed Wire Arm, Add* | *2.65* | |
| | | *For Each Double Barbed Wire Arm, Add* | *4.88* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *3.30* | |
| | | *For Vinyl Coated, Add* | *7.92* | |
| | | *For Powder Coated, Add* | *10.56* | |
| | | *For Aluminum Coated, Add* | *16.50* | |
| | | *For Schedule 20, Deduct* | *-2.64* | |
| | | *For Schedule 80, Add* | *6.89* | |
| 32 31 13 13-0084 | LF | 2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length | 17.51 | 2.22 |
| | | *For Each Top Rail Fitting, Add* | *1.35* | |
| | | *For Each Single Barbed Wire Arm, Add* | *2.65* | |
| | | *For Each Double Barbed Wire Arm, Add* | *4.88* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *3.28* | |
| | | *For Vinyl Coated, Add* | *7.87* | |
| | | *For Powder Coated, Add* | *10.49* | |
| | | *For Aluminum Coated, Add* | *16.39* | |
| | | *For Schedule 20, Deduct* | *-2.62* | |
| | | *For Schedule 80, Add* | *6.73* | |
| 32 31 13 13-0085 | LF | 2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length | 16.59 | 1.76 |
| | | *For Each Top Rail Fitting, Add* | *1.35* | |
| | | *For Each Single Barbed Wire Arm, Add* | *2.65* | |
| | | *For Each Double Barbed Wire Arm, Add* | *4.88* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *3.27* | |
| | | *For Vinyl Coated, Add* | *7.84* | |
| | | *For Powder Coated, Add* | *10.46* | |
| | | *For Aluminum Coated, Add* | *16.34* | |
| | | *For Schedule 20, Deduct* | *-2.61* | |
| | | *For Schedule 80, Add* | *6.63* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0086 | LF | 2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length | 15.97 | 1.53 |
| | | *For Each Top Rail Fitting, Add* | *1.35* | |
| | | *For Each Single Barbed Wire Arm, Add* | *2.65* | |
| | | *For Each Double Barbed Wire Arm, Add* | *4.88* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *3.26* | |
| | | *For Vinyl Coated, Add* | *7.83* | |
| | | *For Powder Coated, Add* | *10.44* | |
| | | *For Aluminum Coated, Add* | *16.31* | |
| | | *For Schedule 20, Deduct* | *-2.61* | |
| | | *For Schedule 80, Add* | *6.56* | |
| 32 31 13 13-0087 | LF | 2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length | 15.42 | 1.18 |
| | | *For Each Top Rail Fitting, Add* | *1.35* | |
| | | *For Each Single Barbed Wire Arm, Add* | *2.65* | |
| | | *For Each Double Barbed Wire Arm, Add* | *4.88* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *3.26* | |
| | | *For Vinyl Coated, Add* | *7.83* | |
| | | *For Powder Coated, Add* | *10.44* | |
| | | *For Aluminum Coated, Add* | *16.31* | |
| | | *For Schedule 20, Deduct* | *-2.61* | |
| | | *For Schedule 80, Add* | *6.50* | |

## 32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) *(32 31 13 13-0059)*

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0089 | LF | 3" Outside Diameter Galvanized Steel Post, Up To 6' In Length | 27.25 | 3.52 |
| | | *For Each Top Rail Fitting, Add* | *1.85* | |
| | | *For Each Single Barbed Wire Arm, Add* | *3.85* | |
| | | *For Each Double Barbed Wire Arm, Add* | *7.05* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *5.06* | |
| | | *For Vinyl Coated, Add* | *12.14* | |
| | | *For Powder Coated, Add* | *16.18* | |
| | | *For Aluminum Coated, Add* | *25.29* | |
| | | *For Schedule 20, Deduct* | *-4.05* | |
| | | *For Schedule 80, Add* | *10.41* | |
| 32 31 13 13-0090 | LF | 3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length | 25.94 | 3.04 |
| | | *For Each Top Rail Fitting, Add* | *1.85* | |
| | | *For Each Single Barbed Wire Arm, Add* | *3.85* | |
| | | *For Each Double Barbed Wire Arm, Add* | *7.05* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *4.97* | |
| | | *For Vinyl Coated, Add* | *11.93* | |
| | | *For Powder Coated, Add* | *15.90* | |
| | | *For Aluminum Coated, Add* | *24.85* | |
| | | *For Schedule 20, Deduct* | *-3.98* | |
| | | *For Schedule 80, Add* | *10.15* | |
| 32 31 13 13-0091 | LF | 3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length | 24.58 | 2.46 |
| | | *For Each Top Rail Fitting, Add* | *1.85* | |
| | | *For Each Single Barbed Wire Arm, Add* | *3.85* | |
| | | *For Each Double Barbed Wire Arm, Add* | *7.05* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *4.93* | |
| | | *For Vinyl Coated, Add* | *11.82* | |
| | | *For Powder Coated, Add* | *15.76* | |
| | | *For Aluminum Coated, Add* | *24.63* | |
| | | *For Schedule 20, Deduct* | *-3.94* | |
| | | *For Schedule 80, Add* | *9.94* | |
| 32 31 13 13-0092 | LF | 3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length | 23.52 | 1.99 |
| | | *For Each Top Rail Fitting, Add* | *1.85* | |
| | | *For Each Single Barbed Wire Arm, Add* | *3.85* | |
| | | *For Each Double Barbed Wire Arm, Add* | *7.05* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *4.91* | |
| | | *For Vinyl Coated, Add* | *11.77* | |
| | | *For Powder Coated, Add* | *15.70* | |
| | | *For Aluminum Coated, Add* | *24.53* | |
| | | *For Schedule 20, Deduct* | *-3.92* | |
| | | *For Schedule 80, Add* | *9.81* | |
| 32 31 13 13-0093 | LF | 3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length | 22.82 | 1.64 |
| | | *For Each Top Rail Fitting, Add* | *1.85* | |
| | | *For Each Single Barbed Wire Arm, Add* | *3.85* | |
| | | *For Each Double Barbed Wire Arm, Add* | *7.05* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *4.89* | |
| | | *For Vinyl Coated, Add* | *11.74* | |
| | | *For Powder Coated, Add* | *15.66* | |
| | | *For Aluminum Coated, Add* | *24.46* | |
| | | *For Schedule 20, Deduct* | *-3.91* | |
| | | *For Schedule 80, Add* | *9.72* | |
| 32 31 13 13-0094 | LF | 3" Outside Diameter Galvanized Steel Post, >24' In Length | 22.20 | 1.29 |
| | | *For Each Top Rail Fitting, Add* | *1.85* | |
| | | *For Each Single Barbed Wire Arm, Add* | *3.85* | |
| | | *For Each Double Barbed Wire Arm, Add* | *7.05* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *4.89* | |
| | | *For Vinyl Coated, Add* | *11.74* | |
| | | *For Powder Coated, Add* | *15.65* | |
| | | *For Aluminum Coated, Add* | *24.45* | |
| | | *For Schedule 20, Deduct* | *-3.91* | |
| | | *For Schedule 80, Add* | *9.65* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) *(32 31 13 13-0059)*

Note: 4" outside diameter, Schedule 40. Includes cap and accessories.

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0096 | LF | 4" Outside Diameter Galvanized Steel Post, Up To 6' In Length | 40.43 | 3.75 |
| | | *For Each Top Rail Fitting, Add* | *2.60* | |
| | | *For Each Single Barbed Wire Arm, Add* | *5.10* | |
| | | *For Each Double Barbed Wire Arm, Add* | *11.25* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *8.26* | |
| | | *For Vinyl Coated, Add* | *19.82* | |
| | | *For Powder Coated, Add* | *26.42* | |
| | | *For Aluminum Coated, Add* | *41.29* | |
| | | *For Schedule 20, Deduct* | *-6.61* | |
| | | *For Schedule 80, Add* | *16.59* | |
| 32 31 13 13-0097 | LF | 4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length | 38.56 | 3.04 |
| | | *For Each Top Rail Fitting, Add* | *2.60* | |
| | | *For Each Single Barbed Wire Arm, Add* | *5.10* | |
| | | *For Each Double Barbed Wire Arm, Add* | *11.25* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *8.10* | |
| | | *For Vinyl Coated, Add* | *19.44* | |
| | | *For Powder Coated, Add* | *25.92* | |
| | | *For Aluminum Coated, Add* | *40.50* | |
| | | *For Schedule 20, Deduct* | *-6.48* | |
| | | *For Schedule 80, Add* | *16.17* | |
| 32 31 13 13-0098 | LF | 4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length | 37.21 | 2.57 |
| | | *For Each Top Rail Fitting, Add* | *2.60* | |
| | | *For Each Single Barbed Wire Arm, Add* | *5.10* | |
| | | *For Each Double Barbed Wire Arm, Add* | *11.25* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *8.02* | |
| | | *For Vinyl Coated, Add* | *19.25* | |
| | | *For Powder Coated, Add* | *25.66* | |
| | | *For Aluminum Coated, Add* | *40.10* | |
| | | *For Schedule 20, Deduct* | *-6.42* | |
| | | *For Schedule 80, Add* | *15.91* | |
| 32 31 13 13-0099 | LF | 4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length | 36.03 | 2.11 |
| | | *For Each Top Rail Fitting, Add* | *2.60* | |
| | | *For Each Single Barbed Wire Arm, Add* | *5.10* | |
| | | *For Each Double Barbed Wire Arm, Add* | *11.25* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *7.98* | |
| | | *For Vinyl Coated, Add* | *19.15* | |
| | | *For Powder Coated, Add* | *25.54* | |
| | | *For Aluminum Coated, Add* | *39.90* | |
| | | *For Schedule 20, Deduct* | *-6.38* | |
| | | *For Schedule 80, Add* | *15.73* | |
| 32 31 13 13-0100 | LF | 4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length | 35.96 | 2.11 |
| | | *For Each Top Rail Fitting, Add* | *2.60* | |
| | | *For Each Single Barbed Wire Arm, Add* | *5.10* | |
| | | *For Each Double Barbed Wire Arm, Add* | *11.25* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *7.96* | |
| | | *For Vinyl Coated, Add* | *19.11* | |
| | | *For Powder Coated, Add* | *25.48* | |
| | | *For Aluminum Coated, Add* | *39.81* | |
| | | *For Schedule 20, Deduct* | *-6.37* | |
| | | *For Schedule 80, Add* | *15.70* | |
| 32 31 13 13-0101 | LF | 4" Outside Diameter Galvanized Steel Post, >24' In Length | 34.75 | 1.53 |
| | | *For Each Top Rail Fitting, Add* | *2.60* | |
| | | *For Each Single Barbed Wire Arm, Add* | *5.10* | |
| | | *For Each Double Barbed Wire Arm, Add* | *11.25* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *7.96* | |
| | | *For Vinyl Coated, Add* | *19.10* | |
| | | *For Powder Coated, Add* | *25.46* | |
| | | *For Aluminum Coated, Add* | *39.79* | |
| | | *For Schedule 20, Deduct* | *-6.37* | |
| | | *For Schedule 80, Add* | *15.57* | |

## 32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel, (4.50" Nominal) *(32 31 13 13-0059)*

Note: 4-1/2" outside diameter, Schedule 40. Includes cap and accessories.

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0103 | LF | 4-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length | 42.78 | 3.75 |
| | | *For Each Top Rail Fitting, Add* | *2.60* | |
| | | *For Each Single Barbed Wire Arm, Add* | *5.10* | |
| | | *For Each Double Barbed Wire Arm, Add* | *11.25* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *8.85* | |
| | | *For Vinyl Coated, Add* | *21.23* | |
| | | *For Powder Coated, Add* | *28.30* | |
| | | *For Aluminum Coated, Add* | *44.23* | |
| | | *For Schedule 20, Deduct* | *-7.08* | |
| | | *For Schedule 80, Add* | *17.72* | |
| 32 31 13 13-0104 | LF | 4-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length | 41.54 | 3.04 |
| | | *For Each Top Rail Fitting, Add* | *2.60* | |
| | | *For Each Single Barbed Wire Arm, Add* | *5.10* | |
| | | *For Each Double Barbed Wire Arm, Add* | *11.25* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *8.85* | |
| | | *For Vinyl Coated, Add* | *21.23* | |
| | | *For Powder Coated, Add* | *28.30* | |
| | | *For Aluminum Coated, Add* | *44.23* | |
| | | *For Schedule 20, Deduct* | *-7.08* | |
| | | *For Schedule 80, Add* | *17.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0105 | LF | 4-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length | 40.51 | 2.57 |
| | | *For Each Top Rail Fitting, Add* | *2.60* | |
| | | *For Each Single Barbed Wire Arm, Add* | *5.10* | |
| | | *For Each Double Barbed Wire Arm, Add* | *11.25* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *8.85* | |
| | | *For Vinyl Coated, Add* | *21.23* | |
| | | *For Powder Coated, Add* | *28.30* | |
| | | *For Aluminum Coated, Add* | *44.23* | |
| | | *For Schedule 20, Deduct* | *-7.08* | |
| | | *For Schedule 80, Add* | *17.50* | |
| 32 31 13 13-0106 | LF | 4-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length | 39.49 | 2.11 |
| | | *For Each Top Rail Fitting, Add* | *2.60* | |
| | | *For Each Single Barbed Wire Arm, Add* | *5.10* | |
| | | *For Each Double Barbed Wire Arm, Add* | *11.25* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *8.85* | |
| | | *For Vinyl Coated, Add* | *21.23* | |
| | | *For Powder Coated, Add* | *28.30* | |
| | | *For Aluminum Coated, Add* | *44.23* | |
| | | *For Schedule 20, Deduct* | *-7.08* | |
| | | *For Schedule 80, Add* | *17.39* | |
| 32 31 13 13-0107 | LF | 4-1/2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length | 39.49 | 2.11 |
| | | *For Each Top Rail Fitting, Add* | *2.60* | |
| | | *For Each Single Barbed Wire Arm, Add* | *5.10* | |
| | | *For Each Double Barbed Wire Arm, Add* | *11.25* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *8.85* | |
| | | *For Vinyl Coated, Add* | *21.23* | |
| | | *For Powder Coated, Add* | *28.30* | |
| | | *For Aluminum Coated, Add* | *44.23* | |
| | | *For Schedule 20, Deduct* | *-7.08* | |
| | | *For Schedule 80, Add* | *17.39* | |
| 32 31 13 13-0108 | LF | 4-1/2" Outside Diameter Galvanized Steel Post, >24' In Length | 38.30 | 1.53 |
| | | *For Each Top Rail Fitting, Add* | *2.60* | |
| | | *For Each Single Barbed Wire Arm, Add* | *5.10* | |
| | | *For Each Double Barbed Wire Arm, Add* | *11.25* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *8.85* | |
| | | *For Vinyl Coated, Add* | *21.23* | |
| | | *For Powder Coated, Add* | *28.30* | |
| | | *For Aluminum Coated, Add* | *44.23* | |
| | | *For Schedule 20, Deduct* | *-7.08* | |
| | | *For Schedule 80, Add* | *17.27* | |

### 32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (5.5625" Nominal) *(32 31 13 13-0059)*

Note: 5-9/16" outside diameter, Schedule 40. Includes cap and accessories.

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0110 | LF | 5-9/16" Outside Diameter Galvanized Steel Post, Up To 6' In Length | 64.22 | 4.10 |
| | | *For Each Top Rail Fitting, Add* | *4.55* | |
| | | *For Each Single Barbed Wire Arm, Add* | *7.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *14.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *14.00* | |
| | | *For Vinyl Coated, Add* | *33.60* | |
| | | *For Powder Coated, Add* | *44.80* | |
| | | *For Aluminum Coated, Add* | *70.00* | |
| | | *For Schedule 20, Deduct* | *-11.20* | |
| | | *For Schedule 80, Add* | *27.70* | |
| 32 31 13 13-0111 | LF | 5-9/16" Outside Diameter Galvanized Steel Post, 7' To 10' In Length | 62.89 | 3.40 |
| | | *For Each Top Rail Fitting, Add* | *4.55* | |
| | | *For Each Single Barbed Wire Arm, Add* | *7.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *14.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *14.00* | |
| | | *For Vinyl Coated, Add* | *33.60* | |
| | | *For Powder Coated, Add* | *44.80* | |
| | | *For Aluminum Coated, Add* | *70.00* | |
| | | *For Schedule 20, Deduct* | *-11.20* | |
| | | *For Schedule 80, Add* | *27.57* | |
| 32 31 13 13-0112 | LF | 5-9/16" Outside Diameter Galvanized Steel Post, 11' To 15' In Length | 61.71 | 2.81 |
| | | *For Each Top Rail Fitting, Add* | *4.55* | |
| | | *For Each Single Barbed Wire Arm, Add* | *7.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *14.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *14.00* | |
| | | *For Vinyl Coated, Add* | *33.60* | |
| | | *For Powder Coated, Add* | *44.80* | |
| | | *For Aluminum Coated, Add* | *70.00* | |
| | | *For Schedule 20, Deduct* | *-11.20* | |
| | | *For Schedule 80, Add* | *27.45* | |
| 32 31 13 13-0113 | LF | 5-9/16" Outside Diameter Galvanized Steel Post, 16' To 20' In Length | 60.56 | 2.22 |
| | | *For Each Top Rail Fitting, Add* | *4.55* | |
| | | *For Each Single Barbed Wire Arm, Add* | *7.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *14.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *14.00* | |
| | | *For Vinyl Coated, Add* | *33.60* | |
| | | *For Powder Coated, Add* | *44.80* | |
| | | *For Aluminum Coated, Add* | *70.00* | |
| | | *For Schedule 20, Deduct* | *-11.20* | |
| | | *For Schedule 80, Add* | *27.34* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0114 | LF | 5-9/16" Outside Diameter Galvanized Steel Post, 21' To 24' In Length | 59.90 | 1.99 |
| | | *For Each Top Rail Fitting, Add* | *4.55* | |
| | | *For Each Single Barbed Wire Arm, Add* | *7.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *14.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *14.00* | |
| | | *For Vinyl Coated, Add* | *33.60* | |
| | | *For Powder Coated, Add* | *44.80* | |
| | | *For Aluminum Coated, Add* | *70.00* | |
| | | *For Schedule 20, Deduct* | *-11.20* | |
| | | *For Schedule 80, Add* | *27.27* | |
| 32 31 13 13-0115 | LF | 5-9/16" Outside Diameter Galvanized Steel Post, >24' In Length | 59.25 | 1.64 |
| | | *For Each Top Rail Fitting, Add* | *4.55* | |
| | | *For Each Single Barbed Wire Arm, Add* | *7.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *14.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *14.00* | |
| | | *For Vinyl Coated, Add* | *33.60* | |
| | | *For Powder Coated, Add* | *44.80* | |
| | | *For Aluminum Coated, Add* | *70.00* | |
| | | *For Schedule 20, Deduct* | *-11.20* | |
| | | *For Schedule 80, Add* | *27.21* | |

## 32 31 13 13-0116 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) *(32 31 13 13-0059)*

Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0117 | LF | 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length | 80.88 | 4.10 |
| | | *For Each Top Rail Fitting, Add* | *4.55* | |
| | | *For Each Single Barbed Wire Arm, Add* | *7.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *14.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *18.17* | |
| | | *For Vinyl Coated, Add* | *43.60* | |
| | | *For Powder Coated, Add* | *58.13* | |
| | | *For Aluminum Coated, Add* | *90.83* | |
| | | *For Schedule 20, Deduct* | *-14.53* | |
| | | *For Schedule 80, Add* | *35.70* | |
| 32 31 13 13-0118 | LF | 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length | 77.17 | 3.40 |
| | | *For Each Top Rail Fitting, Add* | *4.55* | |
| | | *For Each Single Barbed Wire Arm, Add* | *7.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *14.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *17.57* | |
| | | *For Vinyl Coated, Add* | *42.17* | |
| | | *For Powder Coated, Add* | *56.22* | |
| | | *For Aluminum Coated, Add* | *87.85* | |
| | | *For Schedule 20, Deduct* | *-14.06* | |
| | | *For Schedule 80, Add* | *34.42* | |
| 32 31 13 13-0119 | LF | 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length | 74.79 | 2.81 |
| | | *For Each Top Rail Fitting, Add* | *4.55* | |
| | | *For Each Single Barbed Wire Arm, Add* | *7.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *14.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *17.27* | |
| | | *For Vinyl Coated, Add* | *41.45* | |
| | | *For Powder Coated, Add* | *55.26* | |
| | | *For Aluminum Coated, Add* | *86.35* | |
| | | *For Schedule 20, Deduct* | *-13.82* | |
| | | *For Schedule 80, Add* | *33.73* | |
| 32 31 13 13-0120 | LF | 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length | 73.05 | 2.22 |
| | | *For Each Top Rail Fitting, Add* | *4.55* | |
| | | *For Each Single Barbed Wire Arm, Add* | *7.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *14.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *17.12* | |
| | | *For Vinyl Coated, Add* | *41.09* | |
| | | *For Powder Coated, Add* | *54.79* | |
| | | *For Aluminum Coated, Add* | *85.61* | |
| | | *For Schedule 20, Deduct* | *-13.70* | |
| | | *For Schedule 80, Add* | *33.33* | |
| 32 31 13 13-0121 | LF | 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length | 72.09 | 1.99 |
| | | *For Each Top Rail Fitting, Add* | *4.55* | |
| | | *For Each Single Barbed Wire Arm, Add* | *7.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *14.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *17.05* | |
| | | *For Vinyl Coated, Add* | *40.91* | |
| | | *For Powder Coated, Add* | *54.55* | |
| | | *For Aluminum Coated, Add* | *85.24* | |
| | | *For Schedule 20, Deduct* | *-13.64* | |
| | | *For Schedule 80, Add* | *33.12* | |
| 32 31 13 13-0122 | LF | 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length | 71.38 | 1.64 |
| | | *For Each Top Rail Fitting, Add* | *4.55* | |
| | | *For Each Single Barbed Wire Arm, Add* | *7.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *14.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *17.03* | |
| | | *For Vinyl Coated, Add* | *40.88* | |
| | | *For Powder Coated, Add* | *54.50* | |
| | | *For Aluminum Coated, Add* | *85.16* | |
| | | *For Schedule 20, Deduct* | *-13.63* | |
| | | *For Schedule 80, Add* | *33.03* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **32 31 13 13-0123** | | **Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal)** *(32 31 13 13-0059)*<br>Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories. | | |
| 32 31 13 13-0124 | LF | 8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length | 157.64 | 4.57 |
| | | *For Each Top Rail Fitting, Add* | *7.50* | |
| | | *For Each Single Barbed Wire Arm, Add* | *9.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *18.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *37.13* | |
| | | *For Vinyl Coated, Add* | *89.11* | |
| | | *For Powder Coated, Add* | *118.82* | |
| | | *For Aluminum Coated, Add* | *185.65* | |
| | | *For Schedule 20, Deduct* | *-29.70* | |
| | | *For Schedule 80, Add* | *72.20* | |
| 32 31 13 13-0125 | LF | 8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length | 151.42 | 3.87 |
| | | *For Each Top Rail Fitting, Add* | *7.50* | |
| | | *For Each Single Barbed Wire Arm, Add* | *9.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *18.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *35.95* | |
| | | *For Vinyl Coated, Add* | *86.27* | |
| | | *For Powder Coated, Add* | *115.02* | |
| | | *For Aluminum Coated, Add* | *179.73* | |
| | | *For Schedule 20, Deduct* | *-28.76* | |
| | | *For Schedule 80, Add* | *69.78* | |
| 32 31 13 13-0126 | LF | 8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length | 147.74 | 3.16 |
| | | *For Each Top Rail Fitting, Add* | *7.50* | |
| | | *For Each Single Barbed Wire Arm, Add* | *9.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *18.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *35.35* | |
| | | *For Vinyl Coated, Add* | *84.85* | |
| | | *For Powder Coated, Add* | *113.13* | |
| | | *For Aluminum Coated, Add* | *176.76* | |
| | | *For Schedule 20, Deduct* | *-28.28* | |
| | | *For Schedule 80, Add* | *68.51* | |
| 32 31 13 13-0127 | LF | 8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length | 145.24 | 2.46 |
| | | *For Each Top Rail Fitting, Add* | *7.50* | |
| | | *For Each Single Barbed Wire Arm, Add* | *9.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *18.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *35.06* | |
| | | *For Vinyl Coated, Add* | *84.13* | |
| | | *For Powder Coated, Add* | *112.18* | |
| | | *For Aluminum Coated, Add* | *175.28* | |
| | | *For Schedule 20, Deduct* | *-28.04* | |
| | | *For Schedule 80, Add* | *67.81* | |
| 32 31 13 13-0128 | LF | 8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length | 143.97 | 2.11 |
| | | *For Each Top Rail Fitting, Add* | *7.50* | |
| | | *For Each Single Barbed Wire Arm, Add* | *9.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *18.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *34.91* | |
| | | *For Vinyl Coated, Add* | *83.78* | |
| | | *For Powder Coated, Add* | *111.70* | |
| | | *For Aluminum Coated, Add* | *174.54* | |
| | | *For Schedule 20, Deduct* | *-27.93* | |
| | | *For Schedule 80, Add* | *67.46* | |
| 32 31 13 13-0129 | LF | 8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length | 143.14 | 1.76 |
| | | *For Each Top Rail Fitting, Add* | *7.50* | |
| | | *For Each Single Barbed Wire Arm, Add* | *9.15* | |
| | | *For Each Double Barbed Wire Arm, Add* | *18.95* | |
| | | *For SS40 (Hot-Dip Galvanized And Chromated), Add* | *34.88* | |
| | | *For Vinyl Coated, Add* | *83.71* | |
| | | *For Powder Coated, Add* | *111.61* | |
| | | *For Aluminum Coated, Add* | *174.39* | |
| | | *For Schedule 20, Deduct* | *-27.90* | |
| | | *For Schedule 80, Add* | *67.33* | |
| **32 31 13 13-0130** | | **Driven Post Supports** *(32 31 13 13)*<br>Note: OZ-Post. | | |
| **32 31 13 13-0131** | | **Driven Post Support For Round Chain Link Fence Posts** *(32 31 13 13-0130)* | | |
| 32 31 13 13-0132 | EA | 26" Driven Post Support For 1-5/8" Round Chain Link Fence Post<br>Note: OZ-Post GB-700. | 75.36 | |
| 32 31 13 13-0133 | EA | 26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post<br>Note: OZ-Post HB-700. | 75.36 | |
| 32 31 13 13-0134 | EA | 26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post<br>Note: OZ-Post IS-600. | 77.39 | |
| 32 31 13 13-0135 | EA | 32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post<br>Note: OZ-Post ISW-850. | 92.90 | |
| 32 31 13 13-0136 | EA | 34" Driven Post Support For 2-7/8" To 3" Round Chain Link Fence Post<br>Note: OZ-Post | 94.99 | |
| 32 31 13 13-0137 | EA | 34" Driven Post Support For 3-1/2" To 4" Round Chain Link Fence Post<br>Note: OZ-Post | 96.05 | |
| 32 31 13 13-0138 | EA | 34" Driven Post Support For 4-1/2" To 4-7/8" Round Chain Link Fence Post<br>Note: OZ-Post | 99.37 | |
| 32 31 13 13-0139 | EA | 34" Driven Post Support For 5-9/16" Round Chain Link Fence Post<br>Note: OZ-Post | 126.18 | |
| 32 31 13 13-0140 | EA | 34" Driven Post Support For 6-5/8" Round Chain Link Fence Post<br>Note: OZ-Post | 146.97 | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0141 | EA | 34" Driven Post Support For 8-5/8" Round Chain Link Fence Post<br>Note: OZ-Post | 162.48 | |
| **32 31 13 13-0142** | | **Driven Post Support For Square Ornamental Fence Posts** *(32 31 13 13-0130)* | | |
| 32 31 13 13-0143 | EA | 34" Driven Post Support For 1-3/4" Square Ornamental Fence Post<br>Note: OZ-Post C175-850. | 86.81 | |
| 32 31 13 13-0144 | EA | 24" Driven Post Support For 2" Square Ornamental Fence Post<br>Note: OZ-Post I2-600. | 83.76 | |
| 32 31 13 13-0145 | EA | 34" Driven Post Support For 2" Square Ornamental Fence Post<br>Note: OZ-Post I2-850. | 87.42 | |
| 32 31 13 13-0146 | EA | 34" Driven Post Support For 2-1/2" Square Ornamental Fence Post<br>Note: OZ-Post I25-850. | 92.90 | |
| 32 31 13 13-0147 | EA | 34" Driven Post Support For 3" Square Ornamental Fence Post<br>Note: OZ-Post I3-850. | 92.90 | |
| **32 31 13 13-0148** | | **Driven Post Support For Wooden Fence Posts** *(32 31 13 13-0130)* | | |
| 32 31 13 13-0149 | EA | 24" Driven Post Support For 3-1/2" Square Wooden Fence Post<br>Note: OZ-Post T4-600. | 86.19 | |
| 32 31 13 13-0150 | EA | 34" Driven Post Support For 3-1/2" Square Wooden Fence Post<br>Note: OZ-Post T4-850. | 89.85 | |
| 32 31 13 13-0151 | EA | 34" Driven Post Support For 3-3/4" Square Wooden Fence Post<br>Note: OZ-Post C4-850. | 96.97 | |
| 32 31 13 13-0152 | EA | 34" Driven Post Support For 4" Square Wooden Fence Post<br>Note: OZ-Post P4-850. | 96.97 | |
| 32 31 13 13-0153 | EA | 36" Driven Post Support For 4" x 6" Wooden Fence Post<br>Note: OZ-Post T46-850. | 110.18 | |
| 32 31 13 13-0154 | EA | 36" Driven Post Support For 6" Square Wooden Fence Post<br>Note: OZ-Post T6-850. | 119.52 | |
| **32 31 13 13-0155** | | **Driven Post Support For Vinyl Fence Posts** *(32 31 13 13-0130)* | | |
| 32 31 13 13-0156 | EA | 24" Driven Post Support For 3-1/2" Square Vinyl Fence Post<br>Note: OZ-Post T4-600. | 86.19 | |
| 32 31 13 13-0157 | EA | 34" Driven Post Support For 3-1/2" Square Vinyl Fence Post<br>Note: OZ-Post T4-850. | 89.85 | |
| 32 31 13 13-0158 | EA | 34" Driven Post Support For 4" Square Vinyl Fence Post<br>Note: OZ-Post P4-850. | 96.97 | |
| 32 31 13 13-0159 | EA | 34" Driven Post Support For 5" Square Vinyl Fence Post<br>Note: OZ-Post P4-850. | 98.59 | |
| **32 31 13 13-0160** | | **Chain Link Fence Assemblies** *(32 31 13 13)* | | |
| **32 31 13 13-0161** | | **Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts** *(32 31 13 13-0160)*<br>Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0698 for barb wire attachments. | | |
| **32 31 13 13-0162** | | **Galvanized** *(32 31 13 13-0161)* | | |
| 32 31 13 13-0163 | LF | 3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 40.01 | 3.98 |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *2.78* | |
| | | *For 13 Gauge Fabric, Deduct* | *-8.48* | |
| | | *For 11 Gauge Fabric, Deduct* | *-4.96* | |
| | | *For 6 Gauge Fabric, Add* | *7.79* | |
| | | *For 1" Mesh Fabric, Add* | *10.62* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *4.25* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.12* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-2.83* | |
| | | *For Posts 8' On Centers, Add* | *2.19* | |
| | | *For Posts 5' On Centers, Add* | *8.22* | |
| | | *For Up To 100, Add* | *7.56* | |
| | | *For >100 To 250, Add* | *2.78* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.39* | |
| | | *For >5,000, Deduct* | *-2.78* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *32.13* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0164 | LF | 3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 41.61 | 3.98 |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *2.87* | |
| | | *For 13 Gauge Fabric, Deduct* | *-8.95* | |
| | | *For 11 Gauge Fabric, Deduct* | *-5.23* | |
| | | *For 6 Gauge Fabric, Add* | *8.22* | |
| | | *For 1" Mesh Fabric, Add* | *11.21* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *4.48* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.24* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-2.99* | |
| | | *For Posts 8' On Centers, Add* | *2.27* | |
| | | *For Posts 5' On Centers, Add* | *8.52* | |
| | | *For Up To 100, Add* | *7.83* | |
| | | *For >100 To 250, Add* | *2.87* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.44* | |
| | | *For >5,000, Deduct* | *-2.87* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *36.90* | |
| 32 31 13 13-0165 | LF | 4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 43.01 | 3.98 |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *2.96* | |
| | | *For 13 Gauge Fabric, Deduct* | *-9.35* | |
| | | *For 11 Gauge Fabric, Deduct* | *-5.46* | |
| | | *For 6 Gauge Fabric, Add* | *8.59* | |
| | | *For 1" Mesh Fabric, Add* | *11.71* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *4.68* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.34* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-3.12* | |
| | | *For Posts 8' On Centers, Add* | *2.34* | |
| | | *For Posts 5' On Centers, Add* | *8.79* | |
| | | *For Up To 100, Add* | *8.06* | |
| | | *For >100 To 250, Add* | *2.96* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.48* | |
| | | *For >5,000, Deduct* | *-2.96* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *41.71* | |
| 32 31 13 13-0166 | LF | 5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 46.29 | 3.98 |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *3.14* | |
| | | *For 13 Gauge Fabric, Deduct* | *-10.32* | |
| | | *For 11 Gauge Fabric, Deduct* | *-6.03* | |
| | | *For 6 Gauge Fabric, Add* | *9.47* | |
| | | *For 1" Mesh Fabric, Add* | *12.92* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *5.17* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.58* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-3.44* | |
| | | *For Posts 8' On Centers, Add* | *2.51* | |
| | | *For Posts 5' On Centers, Add* | *9.41* | |
| | | *For Up To 100, Add* | *8.60* | |
| | | *For >100 To 250, Add* | *3.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.57* | |
| | | *For >5,000, Deduct* | *-3.14* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *50.75* | |
| 32 31 13 13-0167 | LF | 6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 50.16 | 3.98 |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *3.39* | |
| | | *For 13 Gauge Fabric, Deduct* | *-11.29* | |
| | | *For 11 Gauge Fabric, Deduct* | *-6.59* | |
| | | *For 6 Gauge Fabric, Add* | *10.36* | |
| | | *For 1" Mesh Fabric, Add* | *14.13* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *5.65* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.83* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-3.77* | |
| | | *For Posts 8' On Centers, Add* | *2.72* | |
| | | *For Posts 5' On Centers, Add* | *10.18* | |
| | | *For Up To 100, Add* | *9.29* | |
| | | *For >100 To 250, Add* | *3.39* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.70* | |
| | | *For >5,000, Deduct* | *-3.39* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *59.84* | |
| 32 31 13 13-0168 | LF | 7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 52.05 | 5.98 |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *3.52* | |
| | | *For 13 Gauge Fabric, Deduct* | *-11.71* | |
| | | *For 11 Gauge Fabric, Deduct* | *-6.84* | |
| | | *For 6 Gauge Fabric, Add* | *10.75* | |
| | | *For 1" Mesh Fabric, Add* | *14.66* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *5.86* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.93* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-3.91* | |
| | | *For Posts 8' On Centers, Add* | *2.82* | |
| | | *For Posts 5' On Centers, Add* | *10.56* | |
| | | *For Up To 100, Add* | *9.64* | |
| | | *For >100 To 250, Add* | *3.52* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.76* | |
| | | *For >5,000, Deduct* | *-3.52* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *69.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0169 | LF | 8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 59.15 | 6.97 |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *3.94* | |
| | | *For 13 Gauge Fabric, Deduct* | *-13.76* | |
| | | *For 11 Gauge Fabric, Deduct* | *-8.04* | |
| | | *For 6 Gauge Fabric, Add* | *12.63* | |
| | | *For 1" Mesh Fabric, Add* | *17.23* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *6.89* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-3.45* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-4.59* | |
| | | *For Posts 8' On Centers, Add* | *3.19* | |
| | | *For Posts 5' On Centers, Add* | *11.92* | |
| | | *For Up To 100, Add* | *10.83* | |
| | | *For >100 To 250, Add* | *3.94* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.97* | |
| | | *For >5,000, Deduct* | *-3.94* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *78.39* | |
| 32 31 13 13-0170 | LF | 9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 63.09 | 8.96 |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *4.18* | |
| | | *For 13 Gauge Fabric, Deduct* | *-14.81* | |
| | | *For 11 Gauge Fabric, Deduct* | *-8.65* | |
| | | *For 6 Gauge Fabric, Add* | *13.60* | |
| | | *For 1" Mesh Fabric, Add* | *18.54* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *7.42* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-3.71* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-4.94* | |
| | | *For Posts 8' On Centers, Add* | *3.40* | |
| | | *For Posts 5' On Centers, Add* | *12.69* | |
| | | *For Up To 100, Add* | *11.51* | |
| | | *For >100 To 250, Add* | *4.18* | |
| | | *For >2,500 To 5,000, Deduct* | *-2.09* | |
| | | *For >5,000, Deduct* | *-4.18* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *86.52* | |
| 32 31 13 13-0171 | LF | 10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 67.06 | 9.96 |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *4.42* | |
| | | *For 13 Gauge Fabric, Deduct* | *-15.86* | |
| | | *For 11 Gauge Fabric, Deduct* | *-9.27* | |
| | | *For 6 Gauge Fabric, Add* | *14.56* | |
| | | *For 1" Mesh Fabric, Add* | *19.86* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *7.94* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-3.97* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-5.30* | |
| | | *For Posts 8' On Centers, Add* | *3.61* | |
| | | *For Posts 5' On Centers, Add* | *13.46* | |
| | | *For Up To 100, Add* | *12.20* | |
| | | *For >100 To 250, Add* | *4.42* | |
| | | *For >2,500 To 5,000, Deduct* | *-2.21* | |
| | | *For >5,000, Deduct* | *-4.42* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *94.90* | |
| 32 31 13 13-0172 | LF | 12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 74.49 | 11.95 |
| | | *For Each Additional Foot >12, Add* | *4.07* | |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *4.88* | |
| | | *For 13 Gauge Fabric, Deduct* | *-17.82* | |
| | | *For 11 Gauge Fabric, Deduct* | *-10.41* | |
| | | *For 6 Gauge Fabric, Add* | *16.36* | |
| | | *For 1" Mesh Fabric, Add* | *22.31* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *8.92* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-4.46* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-5.95* | |
| | | *For Posts 8' On Centers, Add* | *4.00* | |
| | | *For Posts 5' On Centers, Add* | *14.92* | |
| | | *For Up To 100, Add* | *13.49* | |
| | | *For >100 To 250, Add* | *4.88* | |
| | | *For >2,500 To 5,000, Deduct* | *-2.44* | |
| | | *For >5,000, Deduct* | *-4.88* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *102.93* | |

32 31 13 13-0173 Vinyl Coated *(32 31 13 13-0161)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0174 | LF | 4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 44.57 | 3.98 |
| | | *For Powder Coated Framework (Posts, Rails, Hardware), Add* | *4.27* | |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *3.03* | |
| | | *For 13 Gauge Fabric, Deduct* | *-9.90* | |
| | | *For 11 Gauge Fabric, Deduct* | *-5.78* | |
| | | *For 6 Gauge Fabric, Add* | *9.09* | |
| | | *For 1" Mesh Fabric, Add* | *12.39* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *4.96* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.48* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-3.30* | |
| | | *For Posts 8' On Centers, Add* | *2.42* | |
| | | *For Posts 5' On Centers, Add* | *9.07* | |
| | | *For Up To 100, Add* | *8.29* | |
| | | *For >100 To 250, Add* | *3.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.52* | |
| | | *For >5,000, Deduct* | *-3.03* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *46.85* | |
| 32 31 13 13-0175 | LF | 5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 48.26 | 3.98 |
| | | *For Powder Coated Framework (Posts, Rails, Hardware), Add* | *4.75* | |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *3.24* | |
| | | *For 13 Gauge Fabric, Deduct* | *-11.00* | |
| | | *For 11 Gauge Fabric, Deduct* | *-6.43* | |
| | | *For 6 Gauge Fabric, Add* | *10.10* | |
| | | *For 1" Mesh Fabric, Add* | *13.77* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *5.51* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.75* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-3.67* | |
| | | *For Posts 8' On Centers, Add* | *2.61* | |
| | | *For Posts 5' On Centers, Add* | *9.77* | |
| | | *For Up To 100, Add* | *8.90* | |
| | | *For >100 To 250, Add* | *3.24* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.62* | |
| | | *For >5,000, Deduct* | *-3.24* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *57.17* | |
| 32 31 13 13-0176 | LF | 6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 54.17 | 3.98 |
| | | *For Powder Coated Framework (Posts, Rails, Hardware), Add* | *5.47* | |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *3.59* | |
| | | *For 13 Gauge Fabric, Deduct* | *-12.68* | |
| | | *For 11 Gauge Fabric, Deduct* | *-7.41* | |
| | | *For 6 Gauge Fabric, Add* | *11.64* | |
| | | *For 1" Mesh Fabric, Add* | *15.87* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *6.35* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-3.17* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-4.23* | |
| | | *For Posts 8' On Centers, Add* | *2.92* | |
| | | *For Posts 5' On Centers, Add* | *10.90* | |
| | | *For Up To 100, Add* | *9.89* | |
| | | *For >100 To 250, Add* | *3.59* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.80* | |
| | | *For >5,000, Deduct* | *-3.59* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *67.54* | |
| 32 31 13 13-0177 | LF | 7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 56.70 | 5.98 |
| | | *For Powder Coated Framework (Posts, Rails, Hardware), Add* | *5.75* | |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *3.75* | |
| | | *For 13 Gauge Fabric, Deduct* | *-13.33* | |
| | | *For 11 Gauge Fabric, Deduct* | *-7.79* | |
| | | *For 6 Gauge Fabric, Add* | *12.23* | |
| | | *For 1" Mesh Fabric, Add* | *16.68* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *6.67* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-3.34* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-4.45* | |
| | | *For Posts 8' On Centers, Add* | *3.06* | |
| | | *For Posts 5' On Centers, Add* | *11.40* | |
| | | *For Up To 100, Add* | *10.34* | |
| | | *For >100 To 250, Add* | *3.75* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.88* | |
| | | *For >5,000, Deduct* | *-3.75* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *78.06* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0178 | LF | 8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 64.57 | 6.97 |
| | | *For Powder Coated Framework (Posts, Rails, Hardware), Add* | *6.75* | |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *4.21* | |
| | | *For 13 Gauge Fabric, Deduct* | *-15.64* | |
| | | *For 11 Gauge Fabric, Deduct* | *-9.14* | |
| | | *For 6 Gauge Fabric, Add* | *14.36* | |
| | | *For 1" Mesh Fabric, Add* | *19.58* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *7.83* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-3.92* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-5.22* | |
| | | *For Posts 8' On Centers, Add* | *3.46* | |
| | | *For Posts 5' On Centers, Add* | *12.89* | |
| | | *For Up To 100, Add* | *11.64* | |
| | | *For >100 To 250, Add* | *4.21* | |
| | | *For >2,500 To 5,000, Deduct* | *-2.10* | |
| | | *For >5,000, Deduct* | *-4.21* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *88.66* | |
| 32 31 13 13-0179 | LF | 9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 68.91 | 8.96 |
| | | *For Powder Coated Framework (Posts, Rails, Hardware), Add* | *7.27* | |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *4.47* | |
| | | *For 13 Gauge Fabric, Deduct* | *-16.83* | |
| | | *For 11 Gauge Fabric, Deduct* | *-9.83* | |
| | | *For 6 Gauge Fabric, Add* | *15.45* | |
| | | *For 1" Mesh Fabric, Add* | *21.07* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *8.43* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-4.21* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-5.62* | |
| | | *For Posts 8' On Centers, Add* | *3.69* | |
| | | *For Posts 5' On Centers, Add* | *13.73* | |
| | | *For Up To 100, Add* | *12.38* | |
| | | *For >100 To 250, Add* | *4.47* | |
| | | *For >2,500 To 5,000, Deduct* | *-2.23* | |
| | | *For >5,000, Deduct* | *-4.47* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *97.95* | |
| 32 31 13 13-0180 | LF | 10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 73.28 | 9.96 |
| | | *For Powder Coated Framework (Posts, Rails, Hardware), Add* | *7.78* | |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *4.73* | |
| | | *For 13 Gauge Fabric, Deduct* | *-18.02* | |
| | | *For 11 Gauge Fabric, Deduct* | *-10.53* | |
| | | *For 6 Gauge Fabric, Add* | *16.55* | |
| | | *For 1" Mesh Fabric, Add* | *22.56* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *9.03* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-4.51* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-6.02* | |
| | | *For Posts 8' On Centers, Add* | *3.92* | |
| | | *For Posts 5' On Centers, Add* | *14.58* | |
| | | *For Up To 100, Add* | *13.13* | |
| | | *For >100 To 250, Add* | *4.73* | |
| | | *For >2,500 To 5,000, Deduct* | *-2.37* | |
| | | *For >5,000, Deduct* | *-4.73* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *107.49* | |
| 32 31 13 13-0181 | LF | 12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post | 79.96 | 11.95 |
| | | *For Each Additional Foot >12, Add* | *4.32* | |
| | | *For Powder Coated Framework (Posts, Rails, Hardware), Add* | *8.51* | |
| | | *For Surface Mount On Concrete (Excludes Drilling And Anchors), Add* | *5.16* | |
| | | *For 13 Gauge Fabric, Deduct* | *-19.72* | |
| | | *For 11 Gauge Fabric, Deduct* | *-11.52* | |
| | | *For 6 Gauge Fabric, Add* | *18.11* | |
| | | *For 1" Mesh Fabric, Add* | *24.69* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *9.88* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-4.94* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-6.58* | |
| | | *For Posts 8' On Centers, Add* | *4.28* | |
| | | *For Posts 5' On Centers, Add* | *15.90* | |
| | | *For Up To 100, Add* | *14.31* | |
| | | *For >100 To 250, Add* | *5.16* | |
| | | *For >2,500 To 5,000, Deduct* | *-2.58* | |
| | | *For >5,000, Deduct* | *-5.16* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *116.57* | |

### 32 31 13 13-0182 Rails *(32 31 13 13)*

Note: Includes rail end fittings.

### 32 31 13 13-0183 SS-20 Chain Link Fence Rails *(32 31 13 13-0182)*

Note: Includes tie wires.

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0184 | LF | 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings | 7.26 | 1.29 |
| | | *For SS15, Deduct* | *-0.46* | |
| | | *For SS40, Add* | *1.14* | |
| 32 31 13 13-0185 | LF | 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings | 8.79 | 1.29 |
| | | *For SS40, Add* | *0.61* | |
| | | *For Powder Coated, Add* | *1.22* | |
| | | *For Aluminum Coated, Add* | *2.44* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0186 | LF | 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings | 9.01 | 1.46 |
| | | *For SS15, Deduct* | *-0.61* | |
| | | *For SS40, Add* | *1.52* | |
| 32 31 13 13-0187 | LF | 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings | 11.06 | 1.46 |
| | | *For SS40, Add* | *0.81* | |
| | | *For Powder Coated, Add* | *1.63* | |
| | | *For Aluminum Coated, Add* | *3.26* | |
| 32 31 13 13-0188 | LF | 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings | 10.58 | 1.64 |
| | | *For SS40, Add* | *1.83* | |
| 32 31 13 13-0189 | LF | 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings | 13.05 | 1.64 |
| | | *For SS40, Add* | *0.98* | |
| | | *For Powder Coated, Add* | *1.95* | |
| | | *For Aluminum Coated, Add* | *3.91* | |
| **32 31 13 13-0190** | | **SS-20 Middle/Bottom Rail With Tie Wire (1.66" Nominal)** *(32 31 13 13-0182)* | | |
| 32 31 13 13-0191 | LF | 1-5/8" Galvanized Steel Fence Rail, Tie Wire And Fittings | 9.50 | 1.29 |
| | | *For SS40, Add* | *1.65* | |
| 32 31 13 13-0192 | LF | 1-5/8" Vinyl Coated Fence Rail, Tie Wires And Fittings | 11.55 | 1.29 |
| | | *For SS40, Add* | *0.86* | |
| | | *For Powder Coated, Add* | *1.73* | |
| | | *For Aluminum Coated, Add* | *3.45* | |
| **32 31 13 13-0193** | | **Fabric** *(32 31 13 13)* | | |
| **32 31 13 13-0194** | | **Fabric, Galvanized Chain Link** *(32 31 13 13-0193)* | | |
| 32 31 13 13-0195 | LF | 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh | 11.47 | 2.34 |
| | | *For 1-1/4" Mesh Fabric, Add* | *1.08* | |
| | | *For 2 Oz Galvanized Or Zinc Coating, Add* | *0.96* | |
| | | *For 13 Gauge Fabric, Deduct* | *-1.73* | |
| | | *For 11 Gauge Fabric, Deduct* | *-0.96* | |
| | | *For 6 Gauge Fabric, Add* | *3.08* | |
| | | *For 1" Mesh Fabric, Add* | *2.89* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1.93* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1.16* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-0.58* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-0.77* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *33.28* | |
| 32 31 13 13-0196 | LF | 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh | 12.69 | 2.64 |
| | | *For 1-1/4" Mesh Fabric, Add* | *1.26* | |
| | | *For 2 Oz Galvanized Or Zinc Coating, Add* | *1.12* | |
| | | *For 13 Gauge Fabric, Deduct* | *-2.02* | |
| | | *For 11 Gauge Fabric, Deduct* | *-1.12* | |
| | | *For 6 Gauge Fabric, Add* | *3.59* | |
| | | *For 1" Mesh Fabric, Add* | *3.37* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2.25* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1.35* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-0.67* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-0.90* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *38.13* | |
| 32 31 13 13-0197 | LF | 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh | 13.72 | 2.92 |
| | | *For 1-1/4" Mesh Fabric, Add* | *1.38* | |
| | | *For 2 Oz Galvanized Or Zinc Coating, Add* | *1.24* | |
| | | *For 13 Gauge Fabric, Deduct* | *-2.22* | |
| | | *For 11 Gauge Fabric, Deduct* | *-1.24* | |
| | | *For 6 Gauge Fabric, Add* | *3.95* | |
| | | *For 1" Mesh Fabric, Add* | *3.71* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2.47* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1.48* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-0.74* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-0.99* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *43.02* | |
| 32 31 13 13-0198 | LF | 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh | 15.53 | 3.52 |
| | | *For 1-1/4" Mesh Fabric, Add* | *1.72* | |
| | | *For 2 Oz Galvanized Or Zinc Coating, Add* | *1.54* | |
| | | *For 13 Gauge Fabric, Deduct* | *-2.77* | |
| | | *For 11 Gauge Fabric, Deduct* | *-1.54* | |
| | | *For 6 Gauge Fabric, Add* | *4.93* | |
| | | *For 1" Mesh Fabric, Add* | *4.62* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *3.08* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1.85* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-0.92* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-1.23* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *52.15* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0199 | LF | 6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh | 17.43 | 4.10 |
| | | *For 1-1/4" Mesh Fabric, Add* | *2.07* | |
| | | *For 2 Oz Galvanized Or Zinc Coating, Add* | *1.85* | |
| | | *For 13 Gauge Fabric, Deduct* | *-3.33* | |
| | | *For 11 Gauge Fabric, Deduct* | *-1.85* | |
| | | *For 6 Gauge Fabric, Add* | *5.92* | |
| | | *For 1" Mesh Fabric, Add* | *5.55* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *3.70* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *2.22* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1.11* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-1.48* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *61.35* | |
| 32 31 13 13-0200 | LF | 7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh | 19.42 | 4.68 |
| | | *For 1-1/4" Mesh Fabric, Add* | *2.41* | |
| | | *For 2 Oz Galvanized Or Zinc Coating, Add* | *2.15* | |
| | | *For 13 Gauge Fabric, Deduct* | *-3.87* | |
| | | *For 11 Gauge Fabric, Deduct* | *-2.15* | |
| | | *For 6 Gauge Fabric, Add* | *6.89* | |
| | | *For 1" Mesh Fabric, Add* | *6.46* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *4.31* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *2.58* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1.29* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-1.72* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *70.69* | |
| 32 31 13 13-0201 | LF | 8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh | 21.56 | 5.86 |
| | | *For 1-1/4" Mesh Fabric, Add* | *2.76* | |
| | | *For 2 Oz Galvanized Or Zinc Coating, Add* | *2.46* | |
| | | *For 13 Gauge Fabric, Deduct* | *-4.43* | |
| | | *For 11 Gauge Fabric, Deduct* | *-2.46* | |
| | | *For 6 Gauge Fabric, Add* | *7.88* | |
| | | *For 1" Mesh Fabric, Add* | *7.39* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *4.93* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *2.96* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1.48* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-1.97* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *80.15* | |
| 32 31 13 13-0202 | LF | 10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh | 25.72 | 6.44 |
| | | *For 1-1/4" Mesh Fabric, Add* | *3.58* | |
| | | *For 2 Oz Galvanized Or Zinc Coating, Add* | *3.20* | |
| | | *For 13 Gauge Fabric, Deduct* | *-5.76* | |
| | | *For 11 Gauge Fabric, Deduct* | *-3.20* | |
| | | *For 6 Gauge Fabric, Add* | *10.24* | |
| | | *For 1" Mesh Fabric, Add* | *9.60* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *6.40* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *3.84* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1.92* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-2.56* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *96.84* | |
| 32 31 13 13-0203 | LF | 12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh | 29.39 | 7.02 |
| | | *For 1-1/4" Mesh Fabric, Add* | *4.30* | |
| | | *For 2 Oz Galvanized Or Zinc Coating, Add* | *3.84* | |
| | | *For 13 Gauge Fabric, Deduct* | *-6.90* | |
| | | *For 11 Gauge Fabric, Deduct* | *-3.84* | |
| | | *For 6 Gauge Fabric, Add* | *12.27* | |
| | | *For 1" Mesh Fabric, Add* | *11.51* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *7.67* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *4.60* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.30* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-3.07* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *105.03* | |
| 32 31 13 13-0204 | LF | 14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh | 32.88 | 8.20 |
| | | *For 1-1/4" Mesh Fabric, Add* | *4.61* | |
| | | *For 2 Oz Galvanized Or Zinc Coating, Add* | *4.12* | |
| | | *For 13 Gauge Fabric, Deduct* | *-7.42* | |
| | | *For 11 Gauge Fabric, Deduct* | *-4.12* | |
| | | *For 6 Gauge Fabric, Add* | *13.18* | |
| | | *For 1" Mesh Fabric, Add* | *12.36* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *8.24* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *4.94* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.47* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-3.30* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *114.45* | |
| 32 31 13 13-0205 | LF | 16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh | 36.35 | 9.37 |
| | | *For 1-1/4" Mesh Fabric, Add* | *4.93* | |
| | | *For 2 Oz Galvanized Or Zinc Coating, Add* | *4.40* | |
| | | *For 13 Gauge Fabric, Deduct* | *-7.92* | |
| | | *For 11 Gauge Fabric, Deduct* | *-4.40* | |
| | | *For 6 Gauge Fabric, Add* | *14.09* | |
| | | *For 1" Mesh Fabric, Add* | *13.21* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *8.81* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *5.28* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.64* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-3.52* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *123.87* | |

32 31 13 13-0206 Fabric, Vinyl Coated Chain Link *(32 31 13 13-0193)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0207 | LF | 4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh | 15.28 | 2.34 |
| | | *For 1-1/4" Mesh Fabric, Add* | *1.82* | |
| | | *For 13 Gauge Fabric, Deduct* | *-2.93* | |
| | | *For 11 Gauge Fabric, Deduct* | *-1.63* | |
| | | *For 6 Gauge Fabric, Add* | *5.20* | |
| | | *For 1" Mesh Fabric, Add* | *4.88* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *3.25* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1.95* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-0.98* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-1.30* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *48.16* | |
| | | *For Aluminum Coated, Add* | *2.60* | |
| 32 31 13 13-0208 | LF | 5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh | 17.50 | 3.52 |
| | | *For 1-1/4" Mesh Fabric, Add* | *2.28* | |
| | | *For 13 Gauge Fabric, Deduct* | *-3.66* | |
| | | *For 11 Gauge Fabric, Deduct* | *-2.03* | |
| | | *For 6 Gauge Fabric, Add* | *6.50* | |
| | | *For 1" Mesh Fabric, Add* | *6.10* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *4.07* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *2.44* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1.22* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-1.63* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *58.57* | |
| | | *For Aluminum Coated, Add* | *3.25* | |
| 32 31 13 13-0209 | LF | 6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh | 21.43 | 4.10 |
| | | *For 1-1/4" Mesh Fabric, Add* | *3.19* | |
| | | *For 13 Gauge Fabric, Deduct* | *-5.13* | |
| | | *For 11 Gauge Fabric, Deduct* | *-2.85* | |
| | | *For 6 Gauge Fabric, Add* | *9.12* | |
| | | *For 1" Mesh Fabric, Add* | *8.55* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *5.70* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *3.42* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1.71* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-2.28* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *69.05* | |
| | | *For Aluminum Coated, Add* | *4.56* | |
| 32 31 13 13-0210 | LF | 7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh | 24.08 | 4.68 |
| | | *For 1-1/4" Mesh Fabric, Add* | *3.72* | |
| | | *For 13 Gauge Fabric, Deduct* | *-5.97* | |
| | | *For 11 Gauge Fabric, Deduct* | *-3.32* | |
| | | *For 6 Gauge Fabric, Add* | *10.62* | |
| | | *For 1" Mesh Fabric, Add* | *9.95* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *6.64* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *3.98* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1.99* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-2.65* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *79.68* | |
| | | *For Aluminum Coated, Add* | *5.31* | |
| 32 31 13 13-0211 | LF | 8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh | 26.99 | 5.86 |
| | | *For 1-1/4" Mesh Fabric, Add* | *4.28* | |
| | | *For 13 Gauge Fabric, Deduct* | *-6.88* | |
| | | *For 11 Gauge Fabric, Deduct* | *-3.82* | |
| | | *For 6 Gauge Fabric, Add* | *12.22* | |
| | | *For 1" Mesh Fabric, Add* | *11.46* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *7.64* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *4.58* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.29* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-3.06* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *90.42* | |
| | | *For Aluminum Coated, Add* | *6.11* | |
| 32 31 13 13-0212 | LF | 10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh | 31.94 | 6.44 |
| | | *For 1-1/4" Mesh Fabric, Add* | *5.33* | |
| | | *For 13 Gauge Fabric, Deduct* | *-8.56* | |
| | | *For 11 Gauge Fabric, Deduct* | *-4.76* | |
| | | *For 6 Gauge Fabric, Add* | *15.22* | |
| | | *For 1" Mesh Fabric, Add* | *14.27* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *9.51* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *5.71* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-2.85* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-3.80* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *109.43* | |
| | | *For Aluminum Coated, Add* | *7.61* | |
| 32 31 13 13-0213 | LF | 12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh | 34.85 | 7.02 |
| | | *For 1-1/4" Mesh Fabric, Add* | *5.82* | |
| | | *For 13 Gauge Fabric, Deduct* | *-9.36* | |
| | | *For 11 Gauge Fabric, Deduct* | *-5.20* | |
| | | *For 6 Gauge Fabric, Add* | *16.64* | |
| | | *For 1" Mesh Fabric, Add* | *15.60* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *10.40* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *6.24* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-3.12* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-4.16* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *118.67* | |
| | | *For Aluminum Coated, Add* | *8.32* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0214 | LF | 14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh | 39.30 | 8.20 |
| | | *For 1-1/4" Mesh Fabric, Add* | *6.41* | |
| | | *For 13 Gauge Fabric, Deduct* | *-10.31* | |
| | | *For 11 Gauge Fabric, Deduct* | *-5.73* | |
| | | *For 6 Gauge Fabric, Add* | *18.32* | |
| | | *For 1" Mesh Fabric, Add* | *17.18* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *11.45* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *6.87* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-3.44* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-4.58* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *129.16* | |
| | | *For Aluminum Coated, Add* | *9.16* | |
| 32 31 13 13-0215 | LF | 16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh | 43.83 | 9.37 |
| | | *For 1-1/4" Mesh Fabric, Add* | *7.03* | |
| | | *For 13 Gauge Fabric, Deduct* | *-11.29* | |
| | | *For 11 Gauge Fabric, Deduct* | *-6.27* | |
| | | *For 6 Gauge Fabric, Add* | *20.07* | |
| | | *For 1" Mesh Fabric, Add* | *18.82* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *12.55* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *7.53* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-3.76* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-5.02* | |
| | | *For 3/8" Non-Climbable Mesh, Add* | *139.64* | |
| | | *For Aluminum Coated, Add* | *10.04* | |

## 32 31 13 13-0216 Fabric, Aluminized Steel Chain Link *(32 31 13 13-0193)*

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0217 | LF | 3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh | 11.00 | 2.34 |
| | | *For 6 Gauge Fabric, Add* | *2.70* | |
| | | *For 1" Mesh Fabric, Add* | *3.55* | |
| 32 31 13 13-0218 | LF | 3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh | 12.12 | 2.64 |
| | | *For 6 Gauge Fabric, Add* | *3.14* | |
| | | *For 1" Mesh Fabric, Add* | *4.12* | |
| 32 31 13 13-0219 | LF | 4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh | 13.27 | 2.92 |
| | | *For 6 Gauge Fabric, Add* | *3.59* | |
| | | *For 1" Mesh Fabric, Add* | *4.71* | |
| 32 31 13 13-0220 | LF | 5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh | 14.98 | 3.52 |
| | | *For 6 Gauge Fabric, Add* | *4.49* | |
| | | *For 1" Mesh Fabric, Add* | *5.89* | |
| 32 31 13 13-0221 | LF | 6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh | 16.74 | 4.10 |
| | | *For 6 Gauge Fabric, Add* | *5.37* | |
| | | *For 1" Mesh Fabric, Add* | *7.05* | |
| 32 31 13 13-0222 | LF | 7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh | 18.66 | 4.68 |
| | | *For 6 Gauge Fabric, Add* | *6.28* | |
| | | *For 1" Mesh Fabric, Add* | *8.24* | |
| 32 31 13 13-0223 | LF | 8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh | 20.67 | 5.86 |
| | | *For 6 Gauge Fabric, Add* | *7.17* | |
| | | *For 1" Mesh Fabric, Add* | *9.41* | |
| 32 31 13 13-0224 | LF | 10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh | 24.12 | 6.44 |
| | | *For 6 Gauge Fabric, Add* | *8.96* | |
| | | *For 1" Mesh Fabric, Add* | *11.76* | |
| 32 31 13 13-0225 | LF | 12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh | 27.49 | 7.02 |
| | | *For 6 Gauge Fabric, Add* | *10.75* | |
| | | *For 1" Mesh Fabric, Add* | *14.11* | |

## 32 31 13 13-0226 Fabric, All Aluminum Chain Link *(32 31 13 13-0193)*

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0227 | LF | 3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh | 16.45 | 2.34 |
| | | *For 6 Gauge Fabric, Add* | *7.06* | |
| | | *For 1" Mesh Fabric, Add* | *9.27* | |
| 32 31 13 13-0228 | LF | 3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh | 18.50 | 2.64 |
| | | *For 6 Gauge Fabric, Add* | *8.24* | |
| | | *For 1" Mesh Fabric, Add* | *10.82* | |
| 32 31 13 13-0229 | LF | 4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh | 20.55 | 2.92 |
| | | *For 6 Gauge Fabric, Add* | *9.42* | |
| | | *For 1" Mesh Fabric, Add* | *12.36* | |
| 32 31 13 13-0230 | LF | 5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh | 24.08 | 3.52 |
| | | *For 6 Gauge Fabric, Add* | *11.77* | |
| | | *For 1" Mesh Fabric, Add* | *15.45* | |
| 32 31 13 13-0231 | LF | 6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh | 27.69 | 4.10 |
| | | *For 6 Gauge Fabric, Add* | *14.13* | |
| | | *For 1" Mesh Fabric, Add* | *18.54* | |
| 32 31 13 13-0232 | LF | 7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh | 31.41 | 4.68 |
| | | *For 6 Gauge Fabric, Add* | *16.48* | |
| | | *For 1" Mesh Fabric, Add* | *21.63* | |
| 32 31 13 13-0233 | LF | 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh | 35.25 | 5.86 |
| | | *For 6 Gauge Fabric, Add* | *18.83* | |
| | | *For 1" Mesh Fabric, Add* | *24.72* | |
| 32 31 13 13-0234 | LF | 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh | 42.35 | 6.44 |
| | | *For 6 Gauge Fabric, Add* | *23.54* | |
| | | *For 1" Mesh Fabric, Add* | *30.90* | |
| 32 31 13 13-0235 | LF | 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh | 49.36 | 7.02 |
| | | *For 6 Gauge Fabric, Add* | *28.25* | |
| | | *For 1" Mesh Fabric, Add* | *37.08* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **32 31 13 13-0236** | | **Fence Inserts** *(32 31 13 13-0193)* | | |
| | | Note: For use with new or existing chain link fence, per lf of fence. | | |
| **32 31 13 13-0237** | | **Vinyl Plastic Fence Inserts** *(32 31 13 13-0236)* | | |
| | | Note: Assorted colors. | | |
| 32 31 13 13-0238 | LF | 3' High Fence, Vinyl Plastic Fence Insert | 10.21 | |
| 32 31 13 13-0239 | LF | 3-1/2' High Fence, Vinyl Plastic Fence Insert | 11.66 | |
| 32 31 13 13-0240 | LF | 4' High Fence, Vinyl Plastic Fence Insert | 12.86 | |
| 32 31 13 13-0241 | LF | 5' High Fence, Vinyl Plastic Fence Insert | 16.13 | |
| 32 31 13 13-0242 | LF | 6' High Fence, Vinyl Plastic Fence Insert | 19.29 | |
| 32 31 13 13-0243 | LF | 7' High Fence, Vinyl Plastic Fence Insert | 22.56 | |
| 32 31 13 13-0244 | LF | 8' High Fence, Vinyl Plastic Fence Insert | 25.73 | |
| 32 31 13 13-0245 | LF | 10' High Fence, Vinyl Plastic Fence Insert | 31.20 | |
| **32 31 13 13-0246** | | **Aluminum Fence Inserts** *(32 31 13 13-0236)* | | |
| | | Note: Assorted colors. | | |
| 32 31 13 13-0247 | LF | 3' High Fence, Aluminum Fence Insert | 34.40 | |
| 32 31 13 13-0248 | LF | 3-1/2' High Fence, Aluminum Fence Insert | 37.74 | |
| 32 31 13 13-0249 | LF | 4' High Fence, Aluminum Fence Insert | 42.94 | |
| 32 31 13 13-0250 | LF | 5' High Fence, Aluminum Fence Insert | 53.73 | |
| 32 31 13 13-0251 | LF | 6' High Fence, Aluminum Fence Insert | 64.48 | |
| 32 31 13 13-0252 | LF | 7' High Fence, Aluminum Fence Insert | 70.13 | |
| 32 31 13 13-0253 | LF | 8' High Fence, Aluminum Fence Insert | 85.95 | |
| 32 31 13 13-0254 | LF | 10' High Fence, Aluminum Fence Insert | 106.88 | |
| **32 31 13 13-0255** | | **Redwood Fence Inserts** *(32 31 13 13-0236)* | | |
| 32 31 13 13-0256 | LF | 4' High Fence, Redwood Fence Insert | 14.99 | |
| 32 31 13 13-0257 | LF | 5' High Fence, Redwood Fence Insert | 18.96 | |
| 32 31 13 13-0258 | LF | 6' High Fence, Redwood Fence Insert | 22.78 | |
| 32 31 13 13-0259 | LF | 7' High Fence, Redwood Fence Insert | 26.51 | |
| 32 31 13 13-0260 | LF | 8' High Fence, Redwood Fence Insert | 30.33 | |
| **32 31 13 13-0261** | | **Diagonal Flexible Polyethylene Inserts** *(32 31 13 13-0236)* | | |
| 32 31 13 13-0262 | SF | Diagonal Polyethylene Fence Weave | 4.07 | |
| **32 31 13 13-0263** | | **Hedge Link Fence Inserts** *(32 31 13 13-0236)* | | |
| 32 31 13 13-0264 | LF | 3' High Fence, Hedge Link Fence Insert | 21.70 | |
| 32 31 13 13-0265 | LF | 3-1/2' High Fence, Hedge Link Fence Insert | 24.71 | |
| 32 31 13 13-0266 | LF | 4' High Fence, Hedge Link Fence Insert | 28.99 | |
| 32 31 13 13-0267 | LF | 5' High Fence, Hedge Link Fence Insert | 35.76 | |
| 32 31 13 13-0268 | LF | 6' High Fence, Hedge Link Fence Insert | 40.94 | |
| 32 31 13 13-0269 | LF | 7' High Fence, Hedge Link Fence Insert | 51.66 | |
| 32 31 13 13-0270 | LF | 8' High Fence, Hedge Link Fence Insert | 58.67 | |
| 32 31 13 13-0271 | LF | 10' High Fence, Hedge Link Fence Insert | 70.09 | |
| 32 31 13 13-0272 | LF | 12' High Fence, Hedge Link Fence Insert | 80.39 | |
| **32 31 13 13-0273** | | **Fence Windscreen Fabric** *(32 31 13 13-0193)* | | |
| | | Note: Includes plastic wire clips. | | |
| 32 31 13 13-0274 | SF | Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY | 1.38 | 0.63 |
| | | *For Sewn Boxed Vent (Each), Add* | *29.02* | |
| | | *For Welded Boxed Vent (Each), Add* | *14.51* | |
| | | *For 4' x 4' One Color Logo (Each), Add* | *604.58* | |
| **32 31 13 13-0275** | | **Non-Climbable Fabric, Galvanized Chain Link** *(32 31 13 13-0193)* | | |
| 32 31 13 13-0276 | LF | 3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh | 33.28 | 2.34 |
| | | *For 11 Gauge, Deduct* | *-5.13* | |
| | | *For 10 Gauge, Deduct* | *-2.05* | |
| | | *For 7 Gauge, Add* | *3.08* | |
| | | *For 6 Gauge, Add* | *7.18* | |
| | | *For 1/2" Mesh Fabric, Deduct* | *-1.28* | |
| | | *For 5/8" Mesh Fabric, Deduct* | *-2.82* | |
| | | *For 3/4" Mesh Fabric, Deduct* | *-4.11* | |
| 32 31 13 13-0277 | LF | 3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh | 38.13 | 2.64 |
| | | *For 11 Gauge, Deduct* | *-5.99* | |
| | | *For 10 Gauge, Deduct* | *-2.39* | |
| | | *For 7 Gauge, Add* | *3.59* | |
| | | *For 6 Gauge, Add* | *8.38* | |
| | | *For 1/2" Mesh Fabric, Deduct* | *-1.50* | |
| | | *For 5/8" Mesh Fabric, Deduct* | *-3.29* | |
| | | *For 3/4" Mesh Fabric, Deduct* | *-4.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0278 | LF | 4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh | 43.02 | 2.92 |
| | | *For 11 Gauge, Deduct* | *-6.85* | |
| | | *For 10 Gauge, Deduct* | *-2.74* | |
| | | *For 7 Gauge, Add* | *4.11* | |
| | | *For 6 Gauge, Add* | *9.59* | |
| | | *For 1/2" Mesh Fabric, Deduct* | *-1.71* | |
| | | *For 5/8" Mesh Fabric, Deduct* | *-3.77* | |
| | | *For 3/4" Mesh Fabric, Deduct* | *-5.48* | |
| 32 31 13 13-0279 | LF | 5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh | 52.15 | 3.52 |
| | | *For 11 Gauge, Deduct* | *-8.56* | |
| | | *For 10 Gauge, Deduct* | *-3.42* | |
| | | *For 7 Gauge, Add* | *5.13* | |
| | | *For 6 Gauge, Add* | *11.98* | |
| | | *For 1/2" Mesh Fabric, Deduct* | *-2.14* | |
| | | *For 5/8" Mesh Fabric, Deduct* | *-4.71* | |
| | | *For 3/4" Mesh Fabric, Deduct* | *-6.84* | |
| 32 31 13 13-0280 | LF | 6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh | 61.35 | 4.10 |
| | | *For 11 Gauge, Deduct* | *-10.26* | |
| | | *For 10 Gauge, Deduct* | *-4.11* | |
| | | *For 7 Gauge, Add* | *6.16* | |
| | | *For 6 Gauge, Add* | *14.37* | |
| | | *For 1/2" Mesh Fabric, Deduct* | *-2.57* | |
| | | *For 5/8" Mesh Fabric, Deduct* | *-5.65* | |
| | | *For 3/4" Mesh Fabric, Deduct* | *-8.21* | |
| 32 31 13 13-0281 | LF | 7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh | 70.69 | 4.68 |
| | | *For 11 Gauge, Deduct* | *-11.98* | |
| | | *For 10 Gauge, Deduct* | *-4.79* | |
| | | *For 7 Gauge, Add* | *7.19* | |
| | | *For 6 Gauge, Add* | *16.77* | |
| | | *For 1/2" Mesh Fabric, Deduct* | *-2.99* | |
| | | *For 5/8" Mesh Fabric, Deduct* | *-6.59* | |
| | | *For 3/4" Mesh Fabric, Deduct* | *-9.58* | |
| 32 31 13 13-0282 | LF | 8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh | 80.15 | 5.86 |
| | | *For 11 Gauge, Deduct* | *-13.69* | |
| | | *For 10 Gauge, Deduct* | *-5.48* | |
| | | *For 7 Gauge, Add* | *8.21* | |
| | | *For 6 Gauge, Add* | *19.16* | |
| | | *For 1/2" Mesh Fabric, Deduct* | *-3.42* | |
| | | *For 5/8" Mesh Fabric, Deduct* | *-7.53* | |
| | | *For 3/4" Mesh Fabric, Deduct* | *-10.95* | |
| 32 31 13 13-0283 | LF | 9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh | 88.48 | 6.15 |
| | | *For 11 Gauge, Deduct* | *-15.24* | |
| | | *For 10 Gauge, Deduct* | *-6.09* | |
| | | *For 7 Gauge, Add* | *9.14* | |
| | | *For 6 Gauge, Add* | *21.33* | |
| | | *For 1/2" Mesh Fabric, Deduct* | *-3.81* | |
| | | *For 5/8" Mesh Fabric, Deduct* | *-8.38* | |
| | | *For 3/4" Mesh Fabric, Deduct* | *-12.19* | |
| 32 31 13 13-0284 | LF | 10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh | 96.84 | 6.44 |
| | | *For 11 Gauge, Deduct* | *-16.78* | |
| | | *For 10 Gauge, Deduct* | *-6.71* | |
| | | *For 7 Gauge, Add* | *10.07* | |
| | | *For 6 Gauge, Add* | *23.50* | |
| | | *For 1/2" Mesh Fabric, Deduct* | *-4.20* | |
| | | *For 5/8" Mesh Fabric, Deduct* | *-9.23* | |
| | | *For 3/4" Mesh Fabric, Deduct* | *-13.43* | |
| 32 31 13 13-0285 | LF | 12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh | 105.03 | 7.02 |
| | | *For 11 Gauge, Deduct* | *-18.20* | |
| | | *For 10 Gauge, Deduct* | *-7.28* | |
| | | *For 7 Gauge, Add* | *10.92* | |
| | | *For 6 Gauge, Add* | *25.47* | |
| | | *For 1/2" Mesh Fabric, Deduct* | *-4.55* | |
| | | *For 5/8" Mesh Fabric, Deduct* | *-10.01* | |
| | | *For 3/4" Mesh Fabric, Deduct* | *-14.56* | |

32 31 13 13-0286 **Gates** *(32 31 13 13)*

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0287 **Galvanized Steel Without Barbed Wire** *(32 31 13 13-0286)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0288 **4' Fence Height** *(32 31 13 13-0287)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0289 | EA | 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire | 369.28 | 26.41 |
| | | *For Gate With Single Barb Wire Arm, Add* | *31.54* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *45.88* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-53.77* | |
| | | *For Aluminized Steel Gate And Post, Add* | *137.64* | |
| | | *For Powder Coated Gate And Post, Add* | *74.56* | |
| | | *For 1" Mesh Fabric, Add* | *124.74* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *80.29* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *49.89* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-24.95* | |
| 32 31 13 13-0290 | EA | 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire | 464.86 | 27.51 |
| | | *For Gate With Single Barb Wire Arm, Add* | *42.06* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *61.17* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-71.69* | |
| | | *For Aluminized Steel Gate And Post, Add* | *183.52* | |
| | | *For Powder Coated Gate And Post, Add* | *99.41* | |
| | | *For 1" Mesh Fabric, Add* | *166.31* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *107.05* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *66.53* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-33.26* | |
| 32 31 13 13-0291 | EA | 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire | 549.62 | 29.26 |
| | | *For Gate With Single Barb Wire Arm, Add* | *50.78* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *73.86* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-86.55* | |
| | | *For Aluminized Steel Gate And Post, Add* | *221.57* | |
| | | *For Powder Coated Gate And Post, Add* | *120.02* | |
| | | *For 1" Mesh Fabric, Add* | *200.80* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *129.25* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *80.32* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-40.16* | |
| 32 31 13 13-0292 | EA | 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire | 646.51 | 35.21 |
| | | *For Gate With Single Barb Wire Arm, Add* | *59.49* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *86.54* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-101.41* | |
| | | *For Aluminized Steel Gate And Post, Add* | *259.61* | |
| | | *For Powder Coated Gate And Post, Add* | *140.62* | |
| | | *For 1" Mesh Fabric, Add* | *235.27* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *151.44* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *94.11* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-47.05* | |
| 32 31 13 13-0293 | EA | 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire | 743.38 | 41.04 |
| | | *For Gate With Single Barb Wire Arm, Add* | *68.21* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *99.22* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-116.27* | |
| | | *For Aluminized Steel Gate And Post, Add* | *297.66* | |
| | | *For Powder Coated Gate And Post, Add* | *161.23* | |
| | | *For 1" Mesh Fabric, Add* | *269.76* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *173.64* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *107.90* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-53.95* | |
| 32 31 13 13-0294 | EA | 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire | 843.49 | 46.87 |
| | | *For Gate With Single Barb Wire Arm, Add* | *77.29* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *112.42* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-131.75* | |
| | | *For Aluminized Steel Gate And Post, Add* | *337.27* | |
| | | *For Powder Coated Gate And Post, Add* | *182.69* | |
| | | *For 1" Mesh Fabric, Add* | *305.65* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *196.74* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *122.26* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-61.13* | |
| 32 31 13 13-0295 | EA | 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire | 940.36 | 52.82 |
| | | *For Gate With Single Barb Wire Arm, Add* | *86.01* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *125.11* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-146.61* | |
| | | *For Aluminized Steel Gate And Post, Add* | *375.32* | |
| | | *For Powder Coated Gate And Post, Add* | *203.30* | |
| | | *For 1" Mesh Fabric, Add* | *340.14* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *218.94* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *136.05* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-68.03* | |
| 32 31 13 13-0296 | EA | 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire | 1,038.63 | 58.65 |
| | | *For Gate With Single Barb Wire Arm, Add* | *94.88* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *138.01* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-161.73* | |
| | | *For Aluminized Steel Gate And Post, Add* | *414.04* | |
| | | *For Powder Coated Gate And Post, Add* | *224.27* | |
| | | *For 1" Mesh Fabric, Add* | *375.22* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *241.52* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *150.09* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-75.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0297 | EA | 10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire | 1,323.06 | 58.65 |
| | | *For Gate With Single Barb Wire Arm, Add* | *126.17* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *183.52* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-215.06* | |
| | | *For Aluminized Steel Gate And Post, Add* | *550.56* | |
| | | *For Powder Coated Gate And Post, Add* | *298.22* | |
| | | *For 1" Mesh Fabric, Add* | *498.95* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *321.16* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *199.58* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-99.79* | |
| 32 31 13 13-0298 | EA | 12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire | 1,565.03 | 62.83 |
| | | *For Gate With Single Barb Wire Arm, Add* | *151.40* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *220.22* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-258.08* | |
| | | *For Aluminized Steel Gate And Post, Add* | *660.67* | |
| | | *For Powder Coated Gate And Post, Add* | *357.86* | |
| | | *For 1" Mesh Fabric, Add* | *598.73* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *385.39* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *239.49* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-119.75* | |
| 32 31 13 13-0299 | EA | 14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire | 1,808.94 | 67.67 |
| | | *For Gate With Single Barb Wire Arm, Add* | *176.64* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *256.93* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-301.09* | |
| | | *For Aluminized Steel Gate And Post, Add* | *770.78* | |
| | | *For Powder Coated Gate And Post, Add* | *417.51* | |
| | | *For 1" Mesh Fabric, Add* | *698.52* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *449.62* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *279.41* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-139.70* | |
| 32 31 13 13-0300 | EA | 16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire | 2,055.26 | 73.28 |
| | | *For Gate With Single Barb Wire Arm, Add* | *201.87* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *293.63* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-344.10* | |
| | | *For Aluminized Steel Gate And Post, Add* | *880.90* | |
| | | *For Powder Coated Gate And Post, Add* | *477.15* | |
| | | *For 1" Mesh Fabric, Add* | *798.31* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *513.86* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *319.32* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-159.66* | |
| 32 31 13 13-0301 | EA | 18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire | 2,336.18 | 90.38 |
| | | *For Gate With Single Barb Wire Arm, Add* | *227.11* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *330.34* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-387.11* | |
| | | *For Aluminized Steel Gate And Post, Add* | *991.01* | |
| | | *For Powder Coated Gate And Post, Add* | *536.80* | |
| | | *For 1" Mesh Fabric, Add* | *898.10* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *578.09* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *359.24* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-179.62* | |
| 32 31 13 13-0302 | EA | 20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire | 2,584.97 | 96.88 |
| | | *For Gate With Single Barb Wire Arm, Add* | *252.34* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *367.04* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-430.13* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,101.12* | |
| | | *For Powder Coated Gate And Post, Add* | *596.44* | |
| | | *For 1" Mesh Fabric, Add* | *997.89* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *642.32* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *399.16* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-199.58* | |
| 32 31 13 13-0303 | EA | 22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire | 2,831.16 | 104.39 |
| | | *For Gate With Single Barb Wire Arm, Add* | *276.96* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *402.85* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-472.09* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,208.54* | |
| | | *For Powder Coated Gate And Post, Add* | *654.63* | |
| | | *For 1" Mesh Fabric, Add* | *1,095.24* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *704.98* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *438.10* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-219.05* | |
| 32 31 13 13-0304 | EA | 24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire | 3,081.08 | 113.04 |
| | | *For Gate With Single Barb Wire Arm, Add* | *301.58* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *438.66* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-514.05* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,315.97* | |
| | | *For Powder Coated Gate And Post, Add* | *712.82* | |
| | | *For 1" Mesh Fabric, Add* | *1,192.60* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *767.65* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *477.04* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-238.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0305 | EA | 26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire | 3,335.74 | 123.36 |
| | | *For Gate With Single Barb Wire Arm, Add* | *326.20* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *474.47* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-556.01* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,423.40* | |
| | | *For Powder Coated Gate And Post, Add* | *771.01* | |
| | | *For 1" Mesh Fabric, Add* | *1,289.95* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *830.31* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *515.98* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-257.99* | |
| 32 31 13 13-0306 | EA | 28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire | 3,512.65 | 135.70 |
| | | *For Gate With Single Barb Wire Arm, Add* | *341.58* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *496.85* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-582.24* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,490.54* | |
| | | *For Powder Coated Gate And Post, Add* | *807.38* | |
| | | *For 1" Mesh Fabric, Add* | *1,350.80* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *869.48* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *540.32* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-270.16* | |
| 32 31 13 13-0307 | EA | 30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire | 3,893.63 | 150.72 |
| | | *For Gate With Single Barb Wire Arm, Add* | *378.51* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *550.56* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-645.19* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,651.68* | |
| | | *For Powder Coated Gate And Post, Add* | *894.66* | |
| | | *For 1" Mesh Fabric, Add* | *1,496.84* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *963.48* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *598.73* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-299.37* | |
| **32 31 13 13-0308** | | **5' Fence Height** *(32 31 13 13-0287)* | | |
| 32 31 13 13-0309 | EA | 3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire | 442.38 | 29.26 |
| | | *For Gate With Single Barb Wire Arm, Add* | *38.98* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *56.70* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-66.44* | |
| | | *For Aluminized Steel Gate And Post, Add* | *170.09* | |
| | | *For Powder Coated Gate And Post, Add* | *92.13* | |
| | | *For 1" Mesh Fabric, Add* | *154.15* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *99.22* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *61.66* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-30.83* | |
| 32 31 13 13-0310 | EA | 4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire | 558.94 | 29.26 |
| | | *For Gate With Single Barb Wire Arm, Add* | *51.80* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *75.35* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-88.30* | |
| | | *For Aluminized Steel Gate And Post, Add* | *226.04* | |
| | | *For Powder Coated Gate And Post, Add* | *122.44* | |
| | | *For 1" Mesh Fabric, Add* | *204.85* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *131.86* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *81.94* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-40.97* | |
| 32 31 13 13-0311 | EA | 5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire | 653.05 | 31.14 |
| | | *For Gate With Single Barb Wire Arm, Add* | *61.55* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *89.52* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-104.91* | |
| | | *For Aluminized Steel Gate And Post, Add* | *268.56* | |
| | | *For Powder Coated Gate And Post, Add* | *145.47* | |
| | | *For 1" Mesh Fabric, Add* | *243.39* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *156.66* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *97.35* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-48.68* | |
| 32 31 13 13-0312 | EA | 6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire | 765.00 | 37.41 |
| | | *For Gate With Single Barb Wire Arm, Add* | *71.80* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *104.44* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-122.39* | |
| | | *For Aluminized Steel Gate And Post, Add* | *313.32* | |
| | | *For Powder Coated Gate And Post, Add* | *169.72* | |
| | | *For 1" Mesh Fabric, Add* | *283.95* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *182.77* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *113.58* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-56.79* | |
| 32 31 13 13-0313 | EA | 7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire | 867.63 | 43.57 |
| | | *For Gate With Single Barb Wire Arm, Add* | *81.04* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *117.87* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-138.13* | |
| | | *For Aluminized Steel Gate And Post, Add* | *353.61* | |
| | | *For Powder Coated Gate And Post, Add* | *191.54* | |
| | | *For 1" Mesh Fabric, Add* | *320.46* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *206.27* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *128.18* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-64.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0314 | EA | 8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire | 980.69 | 50.18 |
| | | *For Gate With Single Barb Wire Arm, Add* | *91.29* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *132.79* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-155.61* | |
| | | *For Aluminized Steel Gate And Post, Add* | *398.37* | |
| | | *For Powder Coated Gate And Post, Add* | *215.78* | |
| | | *For 1" Mesh Fabric, Add* | *361.02* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *232.38* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *144.41* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-72.20* | |
| 32 31 13 13-0315 | EA | 9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire | 1,087.97 | 56.45 |
| | | *For Gate With Single Barb Wire Arm, Add* | *101.04* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *146.96* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-172.22* | |
| | | *For Aluminized Steel Gate And Post, Add* | *440.89* | |
| | | *For Powder Coated Gate And Post, Add* | *238.82* | |
| | | *For 1" Mesh Fabric, Add* | *399.56* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *257.19* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *159.82* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-79.91* | |
| 32 31 13 13-0316 | EA | 10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire | 1,195.28 | 62.61 |
| | | *For Gate With Single Barb Wire Arm, Add* | *110.78* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *161.14* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-188.84* | |
| | | *For Aluminized Steel Gate And Post, Add* | *483.42* | |
| | | *For Powder Coated Gate And Post, Add* | *261.85* | |
| | | *For 1" Mesh Fabric, Add* | *438.10* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *281.99* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *175.24* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-87.62* | |
| 32 31 13 13-0317 | EA | 10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire | 1,609.79 | 62.83 |
| | | *For Gate With Single Barb Wire Arm, Add* | *156.33* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *227.39* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-266.47* | |
| | | *For Aluminized Steel Gate And Post, Add* | *682.16* | |
| | | *For Powder Coated Gate And Post, Add* | *369.50* | |
| | | *For 1" Mesh Fabric, Add* | *618.20* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *397.92* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *247.28* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-123.64* | |
| 32 31 13 13-0318 | EA | 12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire | 1,909.65 | 67.67 |
| | | *For Gate With Single Barb Wire Arm, Add* | *187.72* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *273.04* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-319.97* | |
| | | *For Aluminized Steel Gate And Post, Add* | *819.12* | |
| | | *For Powder Coated Gate And Post, Add* | *443.69* | |
| | | *For 1" Mesh Fabric, Add* | *742.33* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *477.82* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *296.93* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-148.47* | |
| 32 31 13 13-0319 | EA | 14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire | 2,211.92 | 73.28 |
| | | *For Gate With Single Barb Wire Arm, Add* | *219.10* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *318.70* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-373.47* | |
| | | *For Aluminized Steel Gate And Post, Add* | *956.09* | |
| | | *For Powder Coated Gate And Post, Add* | *517.88* | |
| | | *For 1" Mesh Fabric, Add* | *866.46* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *557.72* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *346.58* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-173.29* | |
| 32 31 13 13-0320 | EA | 16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire | 2,548.79 | 90.38 |
| | | *For Gate With Single Barb Wire Arm, Add* | *250.49* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *364.35* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-426.98* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,093.06* | |
| | | *For Powder Coated Gate And Post, Add* | *592.07* | |
| | | *For 1" Mesh Fabric, Add* | *990.59* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *637.62* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *396.23* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-198.12* | |
| 32 31 13 13-0321 | EA | 18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire | 2,847.94 | 96.88 |
| | | *For Gate With Single Barb Wire Arm, Add* | *281.27* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *409.12* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-479.43* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,227.35* | |
| | | *For Powder Coated Gate And Post, Add* | *664.81* | |
| | | *For 1" Mesh Fabric, Add* | *1,112.28* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *715.95* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *444.91* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-222.46* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0322 | EA | 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire | 3,161.28 | 104.39 |
| | | *For Gate With Single Barb Wire Arm, Add* | *313.27* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *455.67* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-533.99* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,367.00* | |
| | | *For Powder Coated Gate And Post, Add* | *740.46* | |
| | | *For 1" Mesh Fabric, Add* | *1,238.85* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *797.42* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *495.54* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-247.77* | |
| 32 31 13 13-0323 | EA | 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire | 3,472.74 | 113.04 |
| | | *For Gate With Single Barb Wire Arm, Add* | *344.66* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *501.32* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-587.49* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,503.97* | |
| | | *For Powder Coated Gate And Post, Add* | *814.65* | |
| | | *For 1" Mesh Fabric, Add* | *1,362.97* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *877.32* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *545.19* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-272.59* | |
| 32 31 13 13-0324 | EA | 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire | 3,783.35 | 123.36 |
| | | *For Gate With Single Barb Wire Arm, Add* | *375.43* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *546.08* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-639.94* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,638.25* | |
| | | *For Powder Coated Gate And Post, Add* | *887.39* | |
| | | *For 1" Mesh Fabric, Add* | *1,484.66* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *955.65* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *593.87* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-296.93* | |
| 32 31 13 13-0325 | EA | 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire | 4,111.33 | 135.70 |
| | | *For Gate With Single Barb Wire Arm, Add* | *407.44* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *592.64* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-694.49* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,777.91* | |
| | | *For Powder Coated Gate And Post, Add* | *963.03* | |
| | | *For 1" Mesh Fabric, Add* | *1,611.23* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,037.11* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *644.49* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-322.25* | |
| 32 31 13 13-0326 | EA | 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire | 4,438.43 | 150.72 |
| | | *For Gate With Single Barb Wire Arm, Add* | *438.44* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *637.73* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-747.34* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,913.18* | |
| | | *For Powder Coated Gate And Post, Add* | *1,036.31* | |
| | | *For 1" Mesh Fabric, Add* | *1,733.82* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,116.02* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *693.53* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-346.76* | |
| 32 31 13 13-0327 | EA | 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire | 4,772.68 | 169.57 |
| | | *For Gate With Single Barb Wire Arm, Add* | *468.98* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *682.16* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-799.40* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,046.47* | |
| | | *For Powder Coated Gate And Post, Add* | *1,108.50* | |
| | | *For 1" Mesh Fabric, Add* | *1,854.61* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,193.77* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *741.85* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-370.92* | |

## 32 31 13 13-0328 6' Fence Height *(32 31 13 13-0287)*

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0329 | EA | 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire | 474.32 | 31.36 |
| | | *For Gate With Single Barb Wire Arm, Add* | *41.80* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *60.80* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-71.25* | |
| | | *For Aluminized Steel Gate And Post, Add* | *182.40* | |
| | | *For Powder Coated Gate And Post, Add* | *98.80* | |
| | | *For 1" Mesh Fabric, Add* | *165.30* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *106.40* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *66.12* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-33.06* | |
| 32 31 13 13-0330 | EA | 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire | 600.21 | 31.36 |
| | | *For Gate With Single Barb Wire Arm, Add* | *55.65* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *80.94* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-94.85* | |
| | | *For Aluminized Steel Gate And Post, Add* | *242.83* | |
| | | *For Powder Coated Gate And Post, Add* | *131.53* | |
| | | *For 1" Mesh Fabric, Add* | *220.06* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *141.65* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *88.02* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-44.01* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0331 | EA | 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire | 702.31 | 33.34 |
| | | *For Gate With Single Barb Wire Arm, Add* | *66.24* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *96.35* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-112.91* | |
| | | *For Aluminized Steel Gate And Post, Add* | *289.04* | |
| | | *For Powder Coated Gate And Post, Add* | *156.56* | |
| | | *For 1" Mesh Fabric, Add* | *261.94* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *168.61* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *104.78* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-52.39* | |
| 32 31 13 13-0332 | EA | 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire | 815.77 | 40.27 |
| | | *For Gate With Single Barb Wire Arm, Add* | *76.42* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *111.16* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-130.26* | |
| | | *For Aluminized Steel Gate And Post, Add* | *333.47* | |
| | | *For Powder Coated Gate And Post, Add* | *180.63* | |
| | | *For 1" Mesh Fabric, Add* | *302.21* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *194.52* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *120.88* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-60.44* | |
| 32 31 13 13-0333 | EA | 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire | 934.58 | 47.31 |
| | | *For Gate With Single Barb Wire Arm, Add* | *87.19* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *126.82* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-148.62* | |
| | | *For Aluminized Steel Gate And Post, Add* | *380.47* | |
| | | *For Powder Coated Gate And Post, Add* | *206.09* | |
| | | *For 1" Mesh Fabric, Add* | *344.80* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *221.94* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *137.92* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-68.96* | |
| 32 31 13 13-0334 | EA | 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire | 1,047.64 | 53.92 |
| | | *For Gate With Single Barb Wire Arm, Add* | *97.45* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *141.74* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-166.10* | |
| | | *For Aluminized Steel Gate And Post, Add* | *425.23* | |
| | | *For Powder Coated Gate And Post, Add* | *230.33* | |
| | | *For 1" Mesh Fabric, Add* | *385.36* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *248.05* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *154.14* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-77.07* | |
| 32 31 13 13-0335 | EA | 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire | 1,161.81 | 60.85 |
| | | *For Gate With Single Barb Wire Arm, Add* | *107.71* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *156.66* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-183.59* | |
| | | *For Aluminized Steel Gate And Post, Add* | *469.99* | |
| | | *For Powder Coated Gate And Post, Add* | *254.58* | |
| | | *For 1" Mesh Fabric, Add* | *425.93* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *274.16* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *170.37* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-85.19* | |
| 32 31 13 13-0336 | EA | 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire | 1,233.98 | 67.78 |
| | | *For Gate With Single Barb Wire Arm, Add* | *113.35* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *164.87* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-193.21* | |
| | | *For Aluminized Steel Gate And Post, Add* | *494.61* | |
| | | *For Powder Coated Gate And Post, Add* | *267.91* | |
| | | *For 1" Mesh Fabric, Add* | *448.24* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *288.52* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *179.29* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-89.65* | |
| 32 31 13 13-0337 | EA | 10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire | 1,719.42 | 67.67 |
| | | *For Gate With Single Barb Wire Arm, Add* | *166.79* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *242.60* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-284.30* | |
| | | *For Aluminized Steel Gate And Post, Add* | *727.81* | |
| | | *For Powder Coated Gate And Post, Add* | *394.23* | |
| | | *For 1" Mesh Fabric, Add* | *659.58* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *424.56* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *263.83* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-131.92* | |
| 32 31 13 13-0338 | EA | 12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire | 2,038.47 | 73.28 |
| | | *For Gate With Single Barb Wire Arm, Add* | *200.03* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *290.95* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-340.95* | |
| | | *For Aluminized Steel Gate And Post, Add* | *872.84* | |
| | | *For Powder Coated Gate And Post, Add* | *472.79* | |
| | | *For 1" Mesh Fabric, Add* | *791.01* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *509.15* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *316.40* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-158.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0339 | EA | 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire | 2,417.12 | 96.88 |
| | | *For Gate With Single Barb Wire Arm, Add* | *233.88* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *340.18* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-398.65* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,020.55* | |
| | | *For Powder Coated Gate And Post, Add* | *552.80* | |
| | | *For 1" Mesh Fabric, Add* | *924.88* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *595.32* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *369.95* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-184.98* | |
| 32 31 13 13-0340 | EA | 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire | 2,741.64 | 104.39 |
| | | *For Gate With Single Barb Wire Arm, Add* | *267.11* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *388.52* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-455.30* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,165.57* | |
| | | *For Powder Coated Gate And Post, Add* | *631.35* | |
| | | *For 1" Mesh Fabric, Add* | *1,056.30* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *679.92* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *422.52* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-211.26* | |
| 32 31 13 13-0341 | EA | 18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire | 3,075.48 | 113.04 |
| | | *For Gate With Single Barb Wire Arm, Add* | *300.96* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *437.76* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-513.00* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,313.28* | |
| | | *For Powder Coated Gate And Post, Add* | *711.36* | |
| | | *For 1" Mesh Fabric, Add* | *1,190.16* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *766.08* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *476.07* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-238.03* | |
| 32 31 13 13-0342 | EA | 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire | 3,414.08 | 123.36 |
| | | *For Gate With Single Barb Wire Arm, Add* | *334.81* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *487.00* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-570.70* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,461.00* | |
| | | *For Powder Coated Gate And Post, Add* | *791.38* | |
| | | *For 1" Mesh Fabric, Add* | *1,324.03* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *852.25* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *529.61* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-264.81* | |
| 32 31 13 13-0343 | EA | 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire | 3,753.24 | 135.70 |
| | | *For Gate With Single Barb Wire Arm, Add* | *368.05* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *535.34* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-627.35* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,606.02* | |
| | | *For Powder Coated Gate And Post, Add* | *869.93* | |
| | | *For 1" Mesh Fabric, Add* | *1,455.46* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *936.85* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *582.18* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-291.09* | |
| 32 31 13 13-0344 | EA | 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire | 4,103.45 | 150.72 |
| | | *For Gate With Single Barb Wire Arm, Add* | *401.59* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *584.13* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-684.53* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,752.39* | |
| | | *For Powder Coated Gate And Post, Add* | *949.21* | |
| | | *For 1" Mesh Fabric, Add* | *1,588.11* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,022.23* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *635.24* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-317.62* | |
| 32 31 13 13-0345 | EA | 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire | 4,461.59 | 169.57 |
| | | *For Gate With Single Barb Wire Arm, Add* | *434.76* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *632.38* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-741.07* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,897.15* | |
| | | *For Powder Coated Gate And Post, Add* | *1,027.62* | |
| | | *For 1" Mesh Fabric, Add* | *1,719.29* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,106.67* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *687.72* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-343.86* | |
| 32 31 13 13-0346 | EA | 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire | 4,839.84 | 193.75 |
| | | *For Gate With Single Barb Wire Arm, Add* | *468.37* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *681.26* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-798.35* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,043.79* | |
| | | *For Powder Coated Gate And Post, Add* | *1,107.05* | |
| | | *For 1" Mesh Fabric, Add* | *1,852.18* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,192.21* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *740.87* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-370.44* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0347 | EA | 30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire | 5,242.88 | 226.09 |
| | | *For Gate With Single Barb Wire Arm, Add* | *502.03* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *730.23* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-855.74* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,190.69* | |
| | | *For Powder Coated Gate And Post, Add* | *1,186.62* | |
| | | *For 1" Mesh Fabric, Add* | *1,985.31* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,277.90* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *794.13* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-397.06* | |
| **32 31 13 13-0348** | | **7' Fence Height** *(32 31 13 13-0287)* | | |
| 32 31 13 13-0349 | EA | 3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire | 497.89 | 33.78 |
| | | *For Gate With Single Barb Wire Arm, Add* | *43.60* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *63.41* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-74.31* | |
| | | *For Aluminized Steel Gate And Post, Add* | *190.23* | |
| | | *For Powder Coated Gate And Post, Add* | *103.04* | |
| | | *For 1" Mesh Fabric, Add* | *172.40* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *110.97* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *68.96* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-34.48* | |
| 32 31 13 13-0350 | EA | 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire | 628.44 | 33.78 |
| | | *For Gate With Single Barb Wire Arm, Add* | *57.96* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *84.30* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-98.79* | |
| | | *For Aluminized Steel Gate And Post, Add* | *252.90* | |
| | | *For Powder Coated Gate And Post, Add* | *136.99* | |
| | | *For 1" Mesh Fabric, Add* | *229.19* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *147.52* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *91.68* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-45.84* | |
| 32 31 13 13-0351 | EA | 5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire | 739.36 | 35.54 |
| | | *For Gate With Single Barb Wire Arm, Add* | *69.59* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *101.22* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-118.62* | |
| | | *For Aluminized Steel Gate And Post, Add* | *303.66* | |
| | | *For Powder Coated Gate And Post, Add* | *164.48* | |
| | | *For 1" Mesh Fabric, Add* | *275.19* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *177.13* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *110.08* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-55.04* | |
| 32 31 13 13-0352 | EA | 6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire | 906.07 | 43.24 |
| | | *For Gate With Single Barb Wire Arm, Add* | *85.39* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *124.20* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-145.54* | |
| | | *For Aluminized Steel Gate And Post, Add* | *372.59* | |
| | | *For Powder Coated Gate And Post, Add* | *201.82* | |
| | | *For 1" Mesh Fabric, Add* | *337.66* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *217.34* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *135.06* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-67.53* | |
| 32 31 13 13-0353 | EA | 7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire | 1,071.72 | 50.62 |
| | | *For Gate With Single Barb Wire Arm, Add* | *101.19* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *147.18* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-172.48* | |
| | | *For Aluminized Steel Gate And Post, Add* | *441.54* | |
| | | *For Powder Coated Gate And Post, Add* | *239.17* | |
| | | *For 1" Mesh Fabric, Add* | *400.15* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *257.57* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *160.06* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-80.03* | |
| 32 31 13 13-0354 | EA | 8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire | 1,238.44 | 58.21 |
| | | *For Gate With Single Barb Wire Arm, Add* | *116.98* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *170.16* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-199.40* | |
| | | *For Aluminized Steel Gate And Post, Add* | *510.48* | |
| | | *For Powder Coated Gate And Post, Add* | *276.51* | |
| | | *For 1" Mesh Fabric, Add* | *462.62* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *297.78* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *185.05* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-92.52* | |
| 32 31 13 13-0355 | EA | 9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire | 1,404.11 | 65.58 |
| | | *For Gate With Single Barb Wire Arm, Add* | *132.79* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *193.14* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-226.34* | |
| | | *For Aluminized Steel Gate And Post, Add* | *579.43* | |
| | | *For Powder Coated Gate And Post, Add* | *313.86* | |
| | | *For 1" Mesh Fabric, Add* | *525.11* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *338.00* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *210.04* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-105.02* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0356 | EA | 10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire | 1,544.94 | 73.28 |
| | | *For Gate With Single Barb Wire Arm, Add* | *145.74* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *211.98* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-248.42* | |
| | | *For Aluminized Steel Gate And Post, Add* | *635.94* | |
| | | *For Powder Coated Gate And Post, Add* | *344.47* | |
| | | *For 1" Mesh Fabric, Add* | *576.32* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *370.97* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *230.53* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-115.26* | |
| 32 31 13 13-0357 | EA | 10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire | 1,959.13 | 73.28 |
| | | *For Gate With Single Barb Wire Arm, Add* | *191.30* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *278.25* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-326.08* | |
| | | *For Aluminized Steel Gate And Post, Add* | *834.75* | |
| | | *For Powder Coated Gate And Post, Add* | *452.16* | |
| | | *For 1" Mesh Fabric, Add* | *756.50* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *486.94* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *302.60* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-151.30* | |
| 32 31 13 13-0358 | EA | 12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire | 2,224.68 | 96.88 |
| | | *For Gate With Single Barb Wire Arm, Add* | *212.71* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *309.39* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-362.57* | |
| | | *For Aluminized Steel Gate And Post, Add* | *928.18* | |
| | | *For Powder Coated Gate And Post, Add* | *502.76* | |
| | | *For 1" Mesh Fabric, Add* | *841.16* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *541.44* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *336.47* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-168.23* | |
| 32 31 13 13-0359 | EA | 14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire | 2,569.35 | 104.39 |
| | | *For Gate With Single Barb Wire Arm, Add* | *248.16* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *360.96* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-423.00* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,082.88* | |
| | | *For Powder Coated Gate And Post, Add* | *586.56* | |
| | | *For 1" Mesh Fabric, Add* | *981.36* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *631.68* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *392.54* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-196.27* | |
| 32 31 13 13-0360 | EA | 16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire | 2,890.84 | 113.04 |
| | | *For Gate With Single Barb Wire Arm, Add* | *280.65* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *408.22* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-478.38* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,224.66* | |
| | | *For Powder Coated Gate And Post, Add* | *663.36* | |
| | | *For 1" Mesh Fabric, Add* | *1,109.85* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *714.38* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *443.94* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-221.97* | |
| 32 31 13 13-0361 | EA | 18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire | 3,246.22 | 123.36 |
| | | *For Gate With Single Barb Wire Arm, Add* | *316.35* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *460.14* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-539.23* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,380.43* | |
| | | *For Powder Coated Gate And Post, Add* | *747.73* | |
| | | *For 1" Mesh Fabric, Add* | *1,251.01* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *805.25* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *500.40* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-250.20* | |
| 32 31 13 13-0362 | EA | 20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire | 3,602.17 | 135.70 |
| | | *For Gate With Single Barb Wire Arm, Add* | *351.43* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *511.17* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-599.03* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,533.51* | |
| | | *For Powder Coated Gate And Post, Add* | *830.65* | |
| | | *For 1" Mesh Fabric, Add* | *1,389.74* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *894.55* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *555.90* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-277.95* | |
| 32 31 13 13-0363 | EA | 22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire | 3,966.37 | 150.72 |
| | | *For Gate With Single Barb Wire Arm, Add* | *386.51* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *562.20* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-658.83* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,686.60* | |
| | | *For Powder Coated Gate And Post, Add* | *913.57* | |
| | | *For 1" Mesh Fabric, Add* | *1,528.48* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *983.85* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *611.39* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-305.70* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0364 | EA | 24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire | 4,341.86 | 169.57 |
| | | *For Gate With Single Barb Wire Arm, Add* | *421.59* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *613.23* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-718.62* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,839.68* | |
| | | *For Powder Coated Gate And Post, Add* | *996.49* | |
| | | *For 1" Mesh Fabric, Add* | *1,667.21* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,073.14* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *666.88* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-333.44* | |
| 32 31 13 13-0365 | EA | 26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire | 4,733.53 | 193.75 |
| | | *For Gate With Single Barb Wire Arm, Add* | *456.67* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *664.25* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-778.42* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,992.76* | |
| | | *For Powder Coated Gate And Post, Add* | *1,079.41* | |
| | | *For 1" Mesh Fabric, Add* | *1,805.94* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,162.44* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *722.37* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-361.19* | |
| 32 31 13 13-0366 | EA | 28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire | 5,149.44 | 226.09 |
| | | *For Gate With Single Barb Wire Arm, Add* | *491.76* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *715.28* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-838.22* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,145.84* | |
| | | *For Powder Coated Gate And Post, Add* | *1,162.33* | |
| | | *For 1" Mesh Fabric, Add* | *1,944.67* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,251.74* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *777.87* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-388.93* | |
| 32 31 13 13-0367 | EA | 30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire | 5,604.15 | 271.28 |
| | | *For Gate With Single Barb Wire Arm, Add* | *526.84* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *766.31* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-898.02* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,298.92* | |
| | | *For Powder Coated Gate And Post, Add* | *1,245.25* | |
| | | *For 1" Mesh Fabric, Add* | *2,083.40* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,341.04* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *833.36* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-416.68* | |
| **32 31 13 13-0368** | | **8' Fence Height** *(32 31 13 13-0287)* | | |
| 32 31 13 13-0369 | EA | 3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire | 583.35 | 36.64 |
| | | *For Gate With Single Barb Wire Arm, Add* | *52.07* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *75.73* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-88.75* | |
| | | *For Aluminized Steel Gate And Post, Add* | *227.19* | |
| | | *For Powder Coated Gate And Post, Add* | *123.06* | |
| | | *For 1" Mesh Fabric, Add* | *205.89* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *132.53* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *82.36* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-41.18* | |
| 32 31 13 13-0370 | EA | 4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire | 741.13 | 36.64 |
| | | *For Gate With Single Barb Wire Arm, Add* | *69.42* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *100.98* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-118.33* | |
| | | *For Aluminized Steel Gate And Post, Add* | *302.93* | |
| | | *For Powder Coated Gate And Post, Add* | *164.09* | |
| | | *For 1" Mesh Fabric, Add* | *274.53* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *176.71* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *109.81* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-54.91* | |
| 32 31 13 13-0371 | EA | 5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire | 864.93 | 40.82 |
| | | *For Gate With Single Barb Wire Arm, Add* | *81.65* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *118.76* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-139.17* | |
| | | *For Aluminized Steel Gate And Post, Add* | *356.28* | |
| | | *For Powder Coated Gate And Post, Add* | *192.98* | |
| | | *For 1" Mesh Fabric, Add* | *322.87* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *207.83* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *129.15* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-64.57* | |
| 32 31 13 13-0372 | EA | 6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire | 992.04 | 46.22 |
| | | *For Gate With Single Barb Wire Arm, Add* | *93.87* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *136.54* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-160.01* | |
| | | *For Aluminized Steel Gate And Post, Add* | *409.63* | |
| | | *For Powder Coated Gate And Post, Add* | *221.88* | |
| | | *For 1" Mesh Fabric, Add* | *371.23* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *238.95* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *148.49* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-74.25* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0373 | EA | 7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire | 1,131.80 | 55.67 |
| | | *For Gate With Single Barb Wire Arm, Add* | *106.10* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *154.33* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-180.85* | |
| | | *For Aluminized Steel Gate And Post, Add* | *462.98* | |
| | | *For Powder Coated Gate And Post, Add* | *250.78* | |
| | | *For 1" Mesh Fabric, Add* | *419.58* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *270.07* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *167.83* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-83.92* | |
| 32 31 13 13-0374 | EA | 8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire | 1,270.47 | 64.81 |
| | | *For Gate With Single Barb Wire Arm, Add* | *118.33* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *172.11* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-201.70* | |
| | | *For Aluminized Steel Gate And Post, Add* | *516.34* | |
| | | *For Powder Coated Gate And Post, Add* | *279.68* | |
| | | *For 1" Mesh Fabric, Add* | *467.93* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *301.20* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *187.17* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-93.59* | |
| 32 31 13 13-0375 | EA | 9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire | 1,410.23 | 74.39 |
| | | *For Gate With Single Barb Wire Arm, Add* | *130.55* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *189.90* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-222.54* | |
| | | *For Aluminized Steel Gate And Post, Add* | *569.69* | |
| | | *For Powder Coated Gate And Post, Add* | *308.58* | |
| | | *For 1" Mesh Fabric, Add* | *516.28* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *332.32* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *206.51* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-103.26* | |
| 32 31 13 13-0376 | EA | 10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire | 1,549.99 | 83.95 |
| | | *For Gate With Single Barb Wire Arm, Add* | *142.78* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *207.68* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-243.38* | |
| | | *For Aluminized Steel Gate And Post, Add* | *623.05* | |
| | | *For Powder Coated Gate And Post, Add* | *337.49* | |
| | | *For 1" Mesh Fabric, Add* | *564.64* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *363.45* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *225.86* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-112.93* | |
| 32 31 13 13-0377 | EA | 10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire | 2,238.03 | 96.88 |
| | | *For Gate With Single Barb Wire Arm, Add* | *214.18* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *311.53* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-365.07* | |
| | | *For Aluminized Steel Gate And Post, Add* | *934.59* | |
| | | *For Powder Coated Gate And Post, Add* | *506.24* | |
| | | *For 1" Mesh Fabric, Add* | *846.97* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *545.18* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *338.79* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-169.39* | |
| 32 31 13 13-0378 | EA | 12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire | 2,635.33 | 104.39 |
| | | *For Gate With Single Barb Wire Arm, Add* | *255.42* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *371.52* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-435.37* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,114.55* | |
| | | *For Powder Coated Gate And Post, Add* | *603.71* | |
| | | *For 1" Mesh Fabric, Add* | *1,010.06* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *650.15* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *404.02* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-202.01* | |
| 32 31 13 13-0379 | EA | 14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire | 3,041.91 | 113.04 |
| | | *For Gate With Single Barb Wire Arm, Add* | *297.27* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *432.39* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-506.71* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,297.17* | |
| | | *For Powder Coated Gate And Post, Add* | *702.63* | |
| | | *For 1" Mesh Fabric, Add* | *1,175.56* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *756.68* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *470.22* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-235.11* | |
| 32 31 13 13-0380 | EA | 16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire | 3,464.43 | 123.36 |
| | | *For Gate With Single Barb Wire Arm, Add* | *340.35* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *495.06* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-580.14* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,485.17* | |
| | | *For Powder Coated Gate And Post, Add* | *804.47* | |
| | | *For 1" Mesh Fabric, Add* | *1,345.93* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *866.35* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *538.37* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-269.19* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0381 | EA | 18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire | 3,893.12 | 135.70 |
| | | *For Gate With Single Barb Wire Arm, Add* | *383.43* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *557.72* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-653.58* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,673.16* | |
| | | *For Powder Coated Gate And Post, Add* | *906.30* | |
| | | *For 1" Mesh Fabric, Add* | *1,516.31* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *976.01* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *606.52* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-303.26* | |
| 32 31 13 13-0382 | EA | 20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire | 4,324.45 | 150.72 |
| | | *For Gate With Single Barb Wire Arm, Add* | *425.90* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *619.49* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-725.97* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,858.47* | |
| | | *For Powder Coated Gate And Post, Add* | *1,006.67* | |
| | | *For 1" Mesh Fabric, Add* | *1,684.24* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,084.11* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *673.70* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-336.85* | |
| 32 31 13 13-0383 | EA | 22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire | 4,761.49 | 169.57 |
| | | *For Gate With Single Barb Wire Arm, Add* | *467.75* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *680.37* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-797.30* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,041.10* | |
| | | *For Powder Coated Gate And Post, Add* | *1,105.60* | |
| | | *For 1" Mesh Fabric, Add* | *1,849.75* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,190.64* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *739.90* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-369.95* | |
| 32 31 13 13-0384 | EA | 24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire | 5,225.90 | 193.75 |
| | | *For Gate With Single Barb Wire Arm, Add* | *510.83* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *743.03* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-870.74* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,229.10* | |
| | | *For Powder Coated Gate And Post, Add* | *1,207.43* | |
| | | *For 1" Mesh Fabric, Add* | *2,020.12* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,300.31* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *808.05* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-404.02* | |
| 32 31 13 13-0385 | EA | 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire | 5,714.55 | 226.09 |
| | | *For Gate With Single Barb Wire Arm, Add* | *553.92* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *805.70* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-944.18* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,417.09* | |
| | | *For Powder Coated Gate And Post, Add* | *1,309.26* | |
| | | *For 1" Mesh Fabric, Add* | *2,190.49* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,409.97* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *876.20* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-438.10* | |
| 32 31 13 13-0386 | EA | 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire | 6,236.40 | 271.28 |
| | | *For Gate With Single Barb Wire Arm, Add* | *596.38* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *867.47* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-1,016.56* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,602.40* | |
| | | *For Powder Coated Gate And Post, Add* | *1,409.63* | |
| | | *For 1" Mesh Fabric, Add* | *2,358.43* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,518.07* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *943.37* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-471.69* | |
| 32 31 13 13-0387 | EA | 30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire | 6,826.14 | 339.14 |
| | | *For Gate With Single Barb Wire Arm, Add* | *638.85* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *929.24* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-1,088.95* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,787.71* | |
| | | *For Powder Coated Gate And Post, Add* | *1,510.01* | |
| | | *For 1" Mesh Fabric, Add* | *2,526.36* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,626.16* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,010.55* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-505.27* | |

## 32 31 13 13-0388 10' Fence Height *(32 31 13 13-0287)*

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0389 | EA | 3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire | 734.33 | 40.71 |
| | | *For Gate With Single Barb Wire Arm, Add* | *67.33* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *97.93* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-114.76* | |
| | | *For Aluminized Steel Gate And Post, Add* | *293.79* | |
| | | *For Powder Coated Gate And Post, Add* | *159.14* | |
| | | *For 1" Mesh Fabric, Add* | *266.25* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *171.38* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *106.50* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-53.25* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0390 | EA | 4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire | 938.35 | 40.71 |
| | | *For Gate With Single Barb Wire Arm, Add* | *89.77* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *130.57* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-153.02* | |
| | | *For Aluminized Steel Gate And Post, Add* | *391.72* | |
| | | *For Powder Coated Gate And Post, Add* | *212.18* | |
| | | *For 1" Mesh Fabric, Add* | *355.00* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *228.51* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *142.00* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-71.00* | |
| 32 31 13 13-0391 | EA | 5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire | 1,087.48 | 42.47 |
| | | *For Gate With Single Barb Wire Arm, Add* | *105.58* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *153.57* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-179.97* | |
| | | *For Aluminized Steel Gate And Post, Add* | *460.72* | |
| | | *For Powder Coated Gate And Post, Add* | *249.56* | |
| | | *For 1" Mesh Fabric, Add* | *417.53* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *268.76* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *167.01* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-83.51* | |
| 32 31 13 13-0392 | EA | 6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire | 1,262.03 | 52.82 |
| | | *For Gate With Single Barb Wire Arm, Add* | *121.39* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *176.57* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-206.92* | |
| | | *For Aluminized Steel Gate And Post, Add* | *529.72* | |
| | | *For Powder Coated Gate And Post, Add* | *286.93* | |
| | | *For 1" Mesh Fabric, Add* | *480.06* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *309.01* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *192.02* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-96.01* | |
| 32 31 13 13-0393 | EA | 7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire | 1,435.92 | 62.61 |
| | | *For Gate With Single Barb Wire Arm, Add* | *137.20* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *199.57* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-233.87* | |
| | | *For Aluminized Steel Gate And Post, Add* | *598.70* | |
| | | *For Powder Coated Gate And Post, Add* | *324.30* | |
| | | *For 1" Mesh Fabric, Add* | *542.57* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *349.24* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *217.03* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-108.51* | |
| 32 31 13 13-0394 | EA | 8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire | 1,610.00 | 72.95 |
| | | *For Gate With Single Barb Wire Arm, Add* | *153.01* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *222.57* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-260.82* | |
| | | *For Aluminized Steel Gate And Post, Add* | *667.70* | |
| | | *For Powder Coated Gate And Post, Add* | *361.67* | |
| | | *For 1" Mesh Fabric, Add* | *605.10* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *389.49* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *242.04* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-121.02* | |
| 32 31 13 13-0395 | EA | 9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire | 1,783.45 | 82.86 |
| | | *For Gate With Single Barb Wire Arm, Add* | *168.83* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *245.57* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-287.77* | |
| | | *For Aluminized Steel Gate And Post, Add* | *736.70* | |
| | | *For Powder Coated Gate And Post, Add* | *399.05* | |
| | | *For 1" Mesh Fabric, Add* | *667.63* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *429.74* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *267.05* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-133.53* | |
| 32 31 13 13-0396 | EA | 10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire | 1,958.03 | 93.09 |
| | | *For Gate With Single Barb Wire Arm, Add* | *184.64* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *268.57* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-314.73* | |
| | | *For Aluminized Steel Gate And Post, Add* | *805.70* | |
| | | *For Powder Coated Gate And Post, Add* | *436.42* | |
| | | *For 1" Mesh Fabric, Add* | *730.16* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *469.99* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *292.07* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-146.03* | |
| 32 31 13 13-0397 | EA | 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire | 2,841.09 | 107.70 |
| | | *For Gate With Single Barb Wire Arm, Add* | *276.96* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *402.84* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-472.08* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,208.53* | |
| | | *For Powder Coated Gate And Post, Add* | *654.62* | |
| | | *For 1" Mesh Fabric, Add* | *1,095.23* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *704.98* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *438.09* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-219.05* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0398 | EA | 12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire | 3,089.71 | 115.85 |
| | | *For Gate With Single Barb Wire Arm, Add* | *301.58* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *438.66* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-514.06* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,315.99* | |
| | | *For Powder Coated Gate And Post, Add* | *712.83* | |
| | | *For 1" Mesh Fabric, Add* | *1,192.62* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *767.66* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *477.05* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-238.52* | |
| 32 31 13 13-0399 | EA | 14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire | 3,521.65 | 125.65 |
| | | *For Gate With Single Barb Wire Arm, Add* | *345.89* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *503.11* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-589.59* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,509.34* | |
| | | *For Powder Coated Gate And Post, Add* | *817.56* | |
| | | *For 1" Mesh Fabric, Add* | *1,367.84* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *880.45* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *547.14* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-273.57* | |
| 32 31 13 13-0400 | EA | 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire | 4,003.38 | 136.98 |
| | | *For Gate With Single Barb Wire Arm, Add* | *395.13* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *574.73* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-673.51* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,724.19* | |
| | | *For Powder Coated Gate And Post, Add* | *933.94* | |
| | | *For 1" Mesh Fabric, Add* | *1,562.55* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,005.78* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *625.02* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-312.51* | |
| 32 31 13 13-0401 | EA | 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire | 4,492.31 | 150.72 |
| | | *For Gate With Single Barb Wire Arm, Add* | *444.36* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *646.35* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-757.44* | |
| | | *For Aluminized Steel Gate And Post, Add* | *1,939.05* | |
| | | *For Powder Coated Gate And Post, Add* | *1,050.32* | |
| | | *For 1" Mesh Fabric, Add* | *1,757.26* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,131.11* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *702.90* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-351.45* | |
| 32 31 13 13-0402 | EA | 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire | 4,992.75 | 167.41 |
| | | *For Gate With Single Barb Wire Arm, Add* | *493.91* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *718.41* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-841.89* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,155.24* | |
| | | *For Powder Coated Gate And Post, Add* | *1,167.42* | |
| | | *For 1" Mesh Fabric, Add* | *1,953.18* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,257.22* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *781.27* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-390.64* | |
| 32 31 13 13-0403 | EA | 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire | 5,506.27 | 188.41 |
| | | *For Gate With Single Barb Wire Arm, Add* | *543.45* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *790.48* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-926.34* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,371.44* | |
| | | *For Powder Coated Gate And Post, Add* | *1,284.53* | |
| | | *For 1" Mesh Fabric, Add* | *2,149.11* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,383.34* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *859.65* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-429.82* | |
| 32 31 13 13-0404 | EA | 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire | 6,034.30 | 215.14 |
| | | *For Gate With Single Barb Wire Arm, Add* | *592.69* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *862.10* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-1,010.27* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,586.29* | |
| | | *For Powder Coated Gate And Post, Add* | *1,400.91* | |
| | | *For 1" Mesh Fabric, Add* | *2,343.82* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,508.67* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *937.53* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-468.76* | |
| 32 31 13 13-0405 | EA | 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire | 6,590.09 | 251.17 |
| | | *For Gate With Single Barb Wire Arm, Add* | *641.93* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *933.71* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-1,094.20* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,801.14* | |
| | | *For Powder Coated Gate And Post, Add* | *1,517.28* | |
| | | *For 1" Mesh Fabric, Add* | *2,538.53* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,634.00* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,015.41* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-507.71* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0406 | EA | 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire | 7,187.77 | 301.20 |
| | | *For Gate With Single Barb Wire Arm, Add* | *691.17* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,005.33* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-1,178.12* | |
| | | *For Aluminized Steel Gate And Post, Add* | *3,015.99* | |
| | | *For Powder Coated Gate And Post, Add* | *1,633.66* | |
| | | *For 1" Mesh Fabric, Add* | *2,733.24* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,759.33* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,093.30* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-546.65* | |
| 32 31 13 13-0407 | EA | 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire | 7,868.08 | 376.81 |
| | | *For Gate With Single Barb Wire Arm, Add* | *741.02* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,077.84* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-1,263.10* | |
| | | *For Aluminized Steel Gate And Post, Add* | *3,233.53* | |
| | | *For Powder Coated Gate And Post, Add* | *1,751.50* | |
| | | *For 1" Mesh Fabric, Add* | *2,930.39* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,886.23* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,172.15* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-586.08* | |

## 32 31 13 13-0408 12' Fence Height *(32 31 13 13-0287)*

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0409 | EA | 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire | 919.29 | 45.22 |
| | | *For Gate With Single Barb Wire Arm, Add* | *86.18* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *125.35* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-146.90* | |
| | | *For Aluminized Steel Gate And Post, Add* | *376.06* | |
| | | *For Powder Coated Gate And Post, Add* | *203.70* | |
| | | *For 1" Mesh Fabric, Add* | *340.80* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *219.37* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *136.32* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-68.16* | |
| 32 31 13 13-0410 | EA | 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire | 1,180.43 | 45.22 |
| | | *For Gate With Single Barb Wire Arm, Add* | *114.90* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *167.13* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-195.86* | |
| | | *For Aluminized Steel Gate And Post, Add* | *501.40* | |
| | | *For Powder Coated Gate And Post, Add* | *271.59* | |
| | | *For 1" Mesh Fabric, Add* | *454.40* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *292.49* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *181.76* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-90.88* | |
| 32 31 13 13-0411 | EA | 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire | 1,369.44 | 46.87 |
| | | *For Gate With Single Barb Wire Arm, Add* | *135.15* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *196.58* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-230.36* | |
| | | *For Aluminized Steel Gate And Post, Add* | *589.73* | |
| | | *For Powder Coated Gate And Post, Add* | *319.44* | |
| | | *For 1" Mesh Fabric, Add* | *534.44* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *344.01* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *213.78* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-106.89* | |
| 32 31 13 13-0412 | EA | 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire | 1,587.53 | 58.21 |
| | | *For Gate With Single Barb Wire Arm, Add* | *155.38* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *226.01* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-264.86* | |
| | | *For Aluminized Steel Gate And Post, Add* | *678.04* | |
| | | *For Powder Coated Gate And Post, Add* | *367.27* | |
| | | *For 1" Mesh Fabric, Add* | *614.47* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *395.52* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *245.79* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-122.89* | |
| 32 31 13 13-0413 | EA | 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire | 680.33 | 69.65 |
| | | *For Gate With Single Barb Wire Arm, Add* | *51.84* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *75.40* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-88.36* | |
| | | *For Aluminized Steel Gate And Post, Add* | *226.20* | |
| | | *For Powder Coated Gate And Post, Add* | *122.53* | |
| | | *For 1" Mesh Fabric, Add* | *205.00* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *131.95* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *82.00* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-41.00* | |
| 32 31 13 13-0414 | EA | 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire | 767.65 | 80.66 |
| | | *For Gate With Single Barb Wire Arm, Add* | *57.81* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *84.09* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-98.54* | |
| | | *For Aluminized Steel Gate And Post, Add* | *252.27* | |
| | | *For Powder Coated Gate And Post, Add* | *136.65* | |
| | | *For 1" Mesh Fabric, Add* | *228.62* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *147.16* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *91.45* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-45.72* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0415 | EA | 9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire | 856.07 | 91.99 |
| | | *For Gate With Single Barb Wire Arm, Add* | *63.79* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *92.78* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-108.73* | |
| | | *For Aluminized Steel Gate And Post, Add* | *278.34* | |
| | | *For Powder Coated Gate And Post, Add* | *150.77* | |
| | | *For 1" Mesh Fabric, Add* | *252.25* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *162.37* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *100.90* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-50.45* | |
| 32 31 13 13-0416 | EA | 10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire | 944.50 | 103.32 |
| | | *For Gate With Single Barb Wire Arm, Add* | *69.76* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *101.47* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-118.91* | |
| | | *For Aluminized Steel Gate And Post, Add* | *304.41* | |
| | | *For Powder Coated Gate And Post, Add* | *164.89* | |
| | | *For 1" Mesh Fabric, Add* | *275.87* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *177.57* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *110.35* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-55.17* | |
| 32 31 13 13-0417 | EA | 10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire | 1,242.81 | 119.66 |
| | | *For Gate With Single Barb Wire Arm, Add* | *97.19* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *141.37* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-165.67* | |
| | | *For Aluminized Steel Gate And Post, Add* | *424.12* | |
| | | *For Powder Coated Gate And Post, Add* | *229.73* | |
| | | *For 1" Mesh Fabric, Add* | *384.36* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *247.40* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *153.74* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-76.87* | |
| 32 31 13 13-0418 | EA | 12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire | 1,357.76 | 128.83 |
| | | *For Gate With Single Barb Wire Arm, Add* | *106.82* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *155.38* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-182.09* | |
| | | *For Aluminized Steel Gate And Post, Add* | *466.14* | |
| | | *For Powder Coated Gate And Post, Add* | *252.49* | |
| | | *For 1" Mesh Fabric, Add* | *422.44* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *271.91* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *168.97* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-84.49* | |
| 32 31 13 13-0419 | EA | 14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire | 1,532.25 | 139.53 |
| | | *For Gate With Single Barb Wire Arm, Add* | *122.45* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *178.10* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-208.72* | |
| | | *For Aluminized Steel Gate And Post, Add* | *534.31* | |
| | | *For Powder Coated Gate And Post, Add* | *289.42* | |
| | | *For 1" Mesh Fabric, Add* | *484.22* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *311.68* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *193.69* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-96.84* | |
| 32 31 13 13-0420 | EA | 16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire | 1,728.80 | 152.12 |
| | | *For Gate With Single Barb Wire Arm, Add* | *139.89* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *203.47* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-238.44* | |
| | | *For Aluminized Steel Gate And Post, Add* | *610.42* | |
| | | *For Powder Coated Gate And Post, Add* | *330.64* | |
| | | *For 1" Mesh Fabric, Add* | *553.19* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *356.08* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *221.28* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-110.64* | |
| 32 31 13 13-0421 | EA | 18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire | 5,348.04 | 167.53 |
| | | *For Gate With Single Barb Wire Arm, Add* | *532.99* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *775.26* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-908.51* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,325.78* | |
| | | *For Powder Coated Gate And Post, Add* | *1,259.80* | |
| | | *For 1" Mesh Fabric, Add* | *2,107.74* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,356.70* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *843.09* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-421.55* | |
| 32 31 13 13-0422 | EA | 20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire | 5,946.44 | 185.99 |
| | | *For Gate With Single Barb Wire Arm, Add* | *592.69* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *862.10* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-1,010.27* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,586.29* | |
| | | *For Powder Coated Gate And Post, Add* | *1,400.91* | |
| | | *For 1" Mesh Fabric, Add* | *2,343.82* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,508.67* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *937.53* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-468.76* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0423 | EA | 22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire | 6,553.87 | 209.28 |
| | | *For Gate With Single Barb Wire Arm, Add* | *651.78* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *948.04* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-1,110.98* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,844.11* | |
| | | *For Powder Coated Gate And Post, Add* | *1,540.56* | |
| | | *For 1" Mesh Fabric, Add* | *2,577.48* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,659.06* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,030.99* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-515.50* | |
| 32 31 13 13-0424 | EA | 24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire | 7,185.96 | 239.07 |
| | | *For Gate With Single Barb Wire Arm, Add* | *711.48* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,034.87* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-1,212.74* | |
| | | *For Aluminized Steel Gate And Post, Add* | *3,104.62* | |
| | | *For Powder Coated Gate And Post, Add* | *1,681.67* | |
| | | *For 1" Mesh Fabric, Add* | *2,813.56* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,811.03* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,125.43* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-562.71* | |
| 32 31 13 13-0425 | EA | 26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire | 7,837.69 | 279.17 |
| | | *For Gate With Single Barb Wire Arm, Add* | *769.95* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,119.92* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-1,312.41* | |
| | | *For Aluminized Steel Gate And Post, Add* | *3,359.76* | |
| | | *For Powder Coated Gate And Post, Add* | *1,819.87* | |
| | | *For 1" Mesh Fabric, Add* | *3,044.78* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,959.86* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,217.91* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-608.96* | |
| 32 31 13 13-0426 | EA | 28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire | 8,541.58 | 334.68 |
| | | *For Gate With Single Barb Wire Arm, Add* | *829.03* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,205.86* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-1,413.12* | |
| | | *For Aluminized Steel Gate And Post, Add* | *3,617.58* | |
| | | *For Powder Coated Gate And Post, Add* | *1,959.52* | |
| | | *For 1" Mesh Fabric, Add* | *3,278.43* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,110.26* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,311.37* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-655.69* | |
| 32 31 13 13-0427 | EA | 30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire | 9,336.65 | 418.70 |
| | | *For Gate With Single Barb Wire Arm, Add* | *888.73* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,292.70* | |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-1,514.88* | |
| | | *For Aluminized Steel Gate And Post, Add* | *3,878.09* | |
| | | *For Powder Coated Gate And Post, Add* | *2,100.63* | |
| | | *For 1" Mesh Fabric, Add* | *3,514.52* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,262.22* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,405.81* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-702.90* | |

## 32 31 13 13-0428 Vinyl Coated Without Barb Wire Arm *(32 31 13 13-0286)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

## 32 31 13 13-0429 4' Fence Height *(32 31 13 13-0428)*

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0430 | EA | 3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm | 192.74 | 27.51 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-20.66* | |
| | | *For 1" Mesh Fabric, Add* | *47.94* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *30.86* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *19.18* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-9.59* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *12.12* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *17.63* | |
| 32 31 13 13-0431 | EA | 4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm | 229.47 | 27.51 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-27.55* | |
| | | *For 1" Mesh Fabric, Add* | *63.92* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *41.14* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *25.57* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-12.78* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *16.16* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *23.51* | |
| 32 31 13 13-0432 | EA | 5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm | 265.58 | 29.26 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-33.29* | |
| | | *For 1" Mesh Fabric, Add* | *77.24* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *49.72* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *30.90* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-15.45* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *19.53* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *28.41* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0433 | EA | 6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm | 313.80 | 35.21 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-39.03* | |
| | | *For 1" Mesh Fabric, Add* | *90.55* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *58.29* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *36.22* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-18.11* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *22.90* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *33.31* | |
| 32 31 13 13-0434 | EA | 7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm | 362.01 | 41.04 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-44.77* | |
| | | *For 1" Mesh Fabric, Add* | *103.86* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *66.86* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *41.55* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-20.77* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *26.26* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *38.20* | |
| 32 31 13 13-0435 | EA | 8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm | 410.24 | 46.87 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-50.51* | |
| | | *For 1" Mesh Fabric, Add* | *117.19* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *75.43* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *46.88* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-23.44* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *29.63* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *43.10* | |
| 32 31 13 13-0436 | EA | 9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm | 458.46 | 52.82 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-56.25* | |
| | | *For 1" Mesh Fabric, Add* | *130.50* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *84.00* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *52.20* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-26.10* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *33.00* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *48.00* | |
| 32 31 13 13-0437 | EA | 10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm | 506.67 | 58.65 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-61.99* | |
| | | *For 1" Mesh Fabric, Add* | *143.82* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *92.57* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *57.53* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-28.76* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *36.37* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *52.90* | |
| 32 31 13 13-0438 | EA | 10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm | 616.88 | 58.65 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-82.65* | |
| | | *For 1" Mesh Fabric, Add* | *191.76* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *123.43* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *76.70* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-38.35* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *48.49* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *70.53* | |
| 32 31 13 13-0439 | EA | 12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm | 717.62 | 62.83 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-99.19* | |
| | | *For 1" Mesh Fabric, Add* | *230.11* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *148.12* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *92.04* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-46.02* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *58.19* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *84.64* | |
| 32 31 13 13-0440 | EA | 14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm | 820.29 | 67.67 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-115.72* | |
| | | *For 1" Mesh Fabric, Add* | *268.46* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *172.80* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *107.38* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-53.69* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *67.89* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *98.74* | |
| 32 31 13 13-0441 | EA | 16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm | 925.38 | 73.28 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-132.25* | |
| | | *For 1" Mesh Fabric, Add* | *306.81* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *197.49* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *122.73* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-61.36* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *77.59* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *112.85* | |
| 32 31 13 13-0442 | EA | 18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,065.06 | 90.38 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-148.78* | |
| | | *For 1" Mesh Fabric, Add* | *345.16* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *222.17* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *138.07* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-69.03* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *87.28* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *126.96* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0443 | EA | 20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,172.61 | 96.88 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-165.31* | |
| | | *For 1" Mesh Fabric, Add* | *383.51* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *246.86* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *153.41* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-76.70* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *96.98* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *141.06* | |
| 32 31 13 13-0444 | EA | 22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,283.17 | 104.39 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-181.84* | |
| | | *For 1" Mesh Fabric, Add* | *421.87* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *271.55* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *168.75* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-84.37* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *106.68* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *155.17* | |
| 32 31 13 13-0445 | EA | 24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,397.44 | 113.04 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-198.37* | |
| | | *For 1" Mesh Fabric, Add* | *460.22* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *296.23* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *184.09* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-92.04* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *116.38* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *169.28* | |
| 32 31 13 13-0446 | EA | 26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,516.47 | 123.36 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-214.90* | |
| | | *For 1" Mesh Fabric, Add* | *498.57* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *320.92* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *199.43* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-99.71* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *126.08* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *183.38* | |
| 32 31 13 13-0447 | EA | 28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,641.66 | 135.70 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-231.43* | |
| | | *For 1" Mesh Fabric, Add* | *536.92* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *345.60* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *214.77* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-107.38* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *135.77* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *197.49* | |
| 32 31 13 13-0448 | EA | 30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,775.10 | 150.72 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-247.96* | |
| | | *For 1" Mesh Fabric, Add* | *575.27* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *370.29* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *230.11* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-115.05* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *145.47* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *211.60* | |
| **32 31 13 13-0449** | | **5' Fence Height** *(32 31 13 13-0428)* | | |
| 32 31 13 13-0450 | EA | 3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm | 224.58 | 29.26 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-25.61* | |
| | | *For 1" Mesh Fabric, Add* | *59.40* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *38.24* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *23.76* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-11.88* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *15.02* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *21.85* | |
| 32 31 13 13-0451 | EA | 4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm | 270.10 | 29.26 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-34.14* | |
| | | *For 1" Mesh Fabric, Add* | *79.20* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *50.98* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *31.68* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-15.84* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *20.03* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *29.13* | |
| 32 31 13 13-0452 | EA | 5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm | 309.76 | 31.14 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-40.54* | |
| | | *For 1" Mesh Fabric, Add* | *94.06* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *60.54* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *37.62* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-18.81* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *23.79* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *34.60* | |
| 32 31 13 13-0453 | EA | 6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm | 362.59 | 37.41 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-46.94* | |
| | | *For 1" Mesh Fabric, Add* | *108.91* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *70.10* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *43.56* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-21.78* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *27.54* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *40.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0454 | EA | 7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm | 415.45 | 43.57 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-53.35* | |
| | | *For 1" Mesh Fabric, Add* | *123.76* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *79.66* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *49.50* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-24.75* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *31.30* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *45.52* | |
| 32 31 13 13-0455 | EA | 8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm | 469.38 | 50.18 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-59.75* | |
| | | *For 1" Mesh Fabric, Add* | *138.61* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *89.22* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *55.44* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-27.72* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *35.05* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *50.98* | |
| 32 31 13 13-0456 | EA | 9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm | 522.23 | 56.45 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-66.15* | |
| | | *For 1" Mesh Fabric, Add* | *153.46* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *98.78* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *61.39* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-30.69* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *38.81* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *56.45* | |
| 32 31 13 13-0457 | EA | 10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm | 575.08 | 62.61 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-72.55* | |
| | | *For 1" Mesh Fabric, Add* | *168.31* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *108.34* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *67.32* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-33.66* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *42.56* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *61.91* | |
| 32 31 13 13-0458 | EA | 10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm | 734.87 | 62.83 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-102.42* | |
| | | *For 1" Mesh Fabric, Add* | *237.61* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *152.95* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *95.05* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-47.52* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *60.09* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *87.40* | |
| 32 31 13 13-0459 | EA | 12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm | 858.63 | 67.67 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-122.90* | |
| | | *For 1" Mesh Fabric, Add* | *285.14* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *183.54* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *114.06* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-57.03* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *72.10* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *104.88* | |
| 32 31 13 13-0460 | EA | 14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm | 984.79 | 73.28 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-143.39* | |
| | | *For 1" Mesh Fabric, Add* | *332.66* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *214.12* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *133.06* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-66.53* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *84.12* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *122.36* | |
| 32 31 13 13-0461 | EA | 16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,145.56 | 90.38 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-163.87* | |
| | | *For 1" Mesh Fabric, Add* | *380.18* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *244.71* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *152.07* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-76.04* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *96.14* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *139.84* | |
| 32 31 13 13-0462 | EA | 18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,274.20 | 96.88 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-184.36* | |
| | | *For 1" Mesh Fabric, Add* | *427.71* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *275.30* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *171.08* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-85.54* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *108.16* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *157.32* | |
| 32 31 13 13-0463 | EA | 20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,405.84 | 104.39 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-204.84* | |
| | | *For 1" Mesh Fabric, Add* | *475.23* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *305.89* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *190.09* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-95.05* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *120.17* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *174.80* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0464 | EA | 22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,541.19 | 113.04 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-225.32* | |
| | | *For 1" Mesh Fabric, Add* | *522.75* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *336.48* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *209.10* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-104.55* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *132.19* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *192.28* | |
| 32 31 13 13-0465 | EA | 24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,681.30 | 123.36 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-245.81* | |
| | | *For 1" Mesh Fabric, Add* | *570.27* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *367.07* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *228.11* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-114.05* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *144.21* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *209.76* | |
| 32 31 13 13-0466 | EA | 26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,827.58 | 135.70 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-266.29* | |
| | | *For 1" Mesh Fabric, Add* | *617.80* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *397.66* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *247.12* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-123.56* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *156.22* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *227.24* | |
| 32 31 13 13-0467 | EA | 28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,982.10 | 150.72 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-286.78* | |
| | | *For 1" Mesh Fabric, Add* | *665.32* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *428.25* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *266.13* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-133.06* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *168.24* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *244.72* | |
| 32 31 13 13-0468 | EA | 30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,147.92 | 169.57 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-307.26* | |
| | | *For 1" Mesh Fabric, Add* | *712.84* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *458.84* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *285.14* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-142.57* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *180.26* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *262.20* | |
| **32 31 13 13-0469** | | **6' Fence Height** *(32 31 13 13-0428)* | | |
| 32 31 13 13-0470 | EA | 3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm | 240.26 | 31.36 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-27.36* | |
| | | *For 1" Mesh Fabric, Add* | *63.48* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *40.86* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *25.39* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-12.70* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *16.05* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *23.35* | |
| 32 31 13 13-0471 | EA | 4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm | 288.91 | 31.36 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-36.49* | |
| | | *For 1" Mesh Fabric, Add* | *84.65* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *54.49* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *33.86* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-16.93* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *21.40* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *31.13* | |
| 32 31 13 13-0472 | EA | 5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm | 331.21 | 33.34 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-43.33* | |
| | | *For 1" Mesh Fabric, Add* | *100.52* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *64.70* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *40.21* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-20.10* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *25.42* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *36.97* | |
| 32 31 13 13-0473 | EA | 6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm | 388.61 | 40.27 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-50.17* | |
| | | *For 1" Mesh Fabric, Add* | *116.39* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *74.92* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *46.56* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-23.28* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *29.43* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *42.81* | |
| 32 31 13 13-0474 | EA | 7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm | 445.99 | 47.31 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-57.01* | |
| | | *For 1" Mesh Fabric, Add* | *132.26* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *85.13* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *52.90* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-26.45* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *33.45* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *48.65* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0475 | EA | 8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm | 502.29 | 53.92 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-63.85* | |
| | | *For 1" Mesh Fabric, Add* | *148.13* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *95.35* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *59.25* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-29.63* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *37.46* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *54.49* | |
| 32 31 13 13-0476 | EA | 9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm | 559.68 | 60.85 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-70.69* | |
| | | *For 1" Mesh Fabric, Add* | *164.00* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *105.57* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *65.60* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-32.80* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *41.47* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *60.32* | |
| 32 31 13 13-0477 | EA | 10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm | 617.07 | 67.78 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-77.53* | |
| | | *For 1" Mesh Fabric, Add* | *179.88* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *115.78* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *71.95* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-35.98* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *45.49* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *66.16* | |
| 32 31 13 13-0478 | EA | 10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm | 786.91 | 67.67 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-109.46* | |
| | | *For 1" Mesh Fabric, Add* | *253.94* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *163.46* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *101.58* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-50.79* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *64.21* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *93.40* | |
| 32 31 13 13-0479 | EA | 12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm | 920.59 | 73.28 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-131.35* | |
| | | *For 1" Mesh Fabric, Add* | *304.73* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *196.15* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *121.89* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-60.95* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *77.06* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *112.08* | |
| 32 31 13 13-0480 | EA | 14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,108.25 | 96.88 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-153.24* | |
| | | *For 1" Mesh Fabric, Add* | *355.52* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *228.84* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *142.21* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-71.10* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *89.90* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *130.76* | |
| 32 31 13 13-0481 | EA | 16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,247.40 | 104.39 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-175.13* | |
| | | *For 1" Mesh Fabric, Add* | *406.31* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *261.53* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *162.52* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-81.26* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *102.74* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *149.45* | |
| 32 31 13 13-0482 | EA | 18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,390.26 | 113.04 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-197.02* | |
| | | *For 1" Mesh Fabric, Add* | *457.09* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *294.22* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *182.84* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-91.42* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *115.59* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *168.13* | |
| 32 31 13 13-0483 | EA | 20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,559.45 | 123.36 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-222.96* | |
| | | *For 1" Mesh Fabric, Add* | *517.27* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *332.95* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *206.91* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-103.45* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *130.80* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *190.26* | |
| 32 31 13 13-0484 | EA | 22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,695.58 | 135.70 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-241.54* | |
| | | *For 1" Mesh Fabric, Add* | *560.38* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *360.70* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *224.15* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-112.08* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *141.70* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *206.12* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0485 | EA | 24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,853.69 | 150.72 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-262.70* | |
| | | *For 1" Mesh Fabric, Add* | *609.46* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *392.30* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *243.78* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-121.89* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *154.12* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *224.17* | |
| 32 31 13 13-0486 | EA | 26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,027.01 | 169.57 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-284.59* | |
| | | *For 1" Mesh Fabric, Add* | *660.25* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *424.99* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *264.10* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-132.05* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *166.96* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *242.85* | |
| 32 31 13 13-0487 | EA | 28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,216.52 | 193.75 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-306.48* | |
| | | *For 1" Mesh Fabric, Add* | *711.04* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *457.68* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *284.42* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-142.21* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *179.80* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *261.53* | |
| 32 31 13 13-0488 | EA | 30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,430.26 | 226.09 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-328.37* | |
| | | *For 1" Mesh Fabric, Add* | *761.82* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *490.37* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *304.73* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-152.36* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *192.65* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *280.21* | |
| 32 31 13 13-0489 | | 7' Fence Height *(32 31 13 13-0428)* | | |
| 32 31 13 13-0490 | EA | 3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm | 254.86 | 33.78 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-28.74* | |
| | | *For 1" Mesh Fabric, Add* | *66.68* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *42.92* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *26.67* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-13.34* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *16.86* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *24.53* | |
| 32 31 13 13-0491 | EA | 4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm | 305.96 | 33.78 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-38.32* | |
| | | *For 1" Mesh Fabric, Add* | *88.91* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *57.23* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *35.56* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-17.78* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *22.48* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *32.70* | |
| 32 31 13 13-0492 | EA | 5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm | 349.46 | 35.54 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-45.51* | |
| | | *For 1" Mesh Fabric, Add* | *105.58* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *67.96* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *42.23* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-21.12* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *26.70* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *38.84* | |
| 32 31 13 13-0493 | EA | 6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm | 410.88 | 43.24 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-52.70* | |
| | | *For 1" Mesh Fabric, Add* | *122.25* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *78.69* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *48.90* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-24.45* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *30.91* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *44.97* | |
| 32 31 13 13-0494 | EA | 7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm | 471.21 | 50.62 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-59.88* | |
| | | *For 1" Mesh Fabric, Add* | *138.93* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *89.42* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *55.57* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-27.79* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *35.13* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *51.10* | |
| 32 31 13 13-0495 | EA | 8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm | 532.65 | 58.21 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-67.07* | |
| | | *For 1" Mesh Fabric, Add* | *155.60* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *100.16* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *62.24* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-31.12* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *39.35* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *57.23* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0496 | EA | 9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm | 592.98 | 65.58 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-74.25* | |
| | | *For 1" Mesh Fabric, Add* | *172.27* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *110.89* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *68.91* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-34.45* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *43.56* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *63.36* | |
| 32 31 13 13-0497 | EA | 10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm | 654.41 | 73.28 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-81.44* | |
| | | *For 1" Mesh Fabric, Add* | *188.94* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *121.62* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *75.58* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-37.79* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *47.78* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *69.50* | |
| 32 31 13 13-0498 | EA | 10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm | 833.24 | 73.28 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-114.97* | |
| | | *For 1" Mesh Fabric, Add* | *266.73* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *171.69* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *106.69* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-53.35* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *67.45* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *98.11* | |
| 32 31 13 13-0499 | EA | 12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,026.77 | 96.88 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-137.96* | |
| | | *For 1" Mesh Fabric, Add* | *320.07* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *206.02* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *128.03* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-64.01* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *80.94* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *117.73* | |
| 32 31 13 13-0500 | EA | 14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,171.81 | 104.39 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-160.96* | |
| | | *For 1" Mesh Fabric, Add* | *373.43* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *240.37* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *149.37* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-74.69* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *94.43* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *137.35* | |
| 32 31 13 13-0501 | EA | 16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,320.54 | 113.04 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-183.95* | |
| | | *For 1" Mesh Fabric, Add* | *426.77* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *274.70* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *170.71* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-85.35* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *107.92* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *156.97* | |
| 32 31 13 13-0502 | EA | 18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,474.05 | 123.36 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-206.95* | |
| | | *For 1" Mesh Fabric, Add* | *480.12* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *309.04* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *192.05* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-96.02* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *121.41* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *176.60* | |
| 32 31 13 13-0503 | EA | 20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,633.70 | 135.70 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-229.94* | |
| | | *For 1" Mesh Fabric, Add* | *533.46* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *343.38* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *213.38* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-106.69* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *134.90* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *196.21* | |
| 32 31 13 13-0504 | EA | 22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,801.58 | 150.72 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-252.93* | |
| | | *For 1" Mesh Fabric, Add* | *586.79* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *377.71* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *234.72* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-117.36* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *148.38* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *215.83* | |
| 32 31 13 13-0505 | EA | 24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,980.80 | 169.57 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-275.93* | |
| | | *For 1" Mesh Fabric, Add* | *640.15* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *412.05* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *256.06* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-128.03* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *161.88* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *235.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0506 | EA | 26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,176.20 | 193.75 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-298.92* | |
| | | *For 1" Mesh Fabric, Add* | *693.50* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *446.39* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *277.40* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-138.70* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *175.37* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *255.08* | |
| 32 31 13 13-0507 | EA | 28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,395.81 | 226.09 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-321.91* | |
| | | *For 1" Mesh Fabric, Add* | *746.84* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *480.72* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *298.74* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-149.37* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *188.86* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *274.70* | |
| 32 31 13 13-0508 | EA | 30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,654.25 | 271.28 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-344.91* | |
| | | *For 1" Mesh Fabric, Add* | *800.19* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *515.07* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *320.08* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-160.04* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *202.35* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *294.32* | |

## 32 31 13 13-0509 8' Fence Height *(32 31 13 13-0428)*

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0510 | EA | 3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm | 295.83 | 36.64 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-34.84* | |
| | | *For 1" Mesh Fabric, Add* | *80.82* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *52.02* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *32.33* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-16.16* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *20.44* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *29.73* | |
| 32 31 13 13-0511 | EA | 4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm | 357.76 | 36.64 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-46.45* | |
| | | *For 1" Mesh Fabric, Add* | *107.76* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *69.36* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *43.11* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-21.55* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *27.25* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *39.64* | |
| 32 31 13 13-0512 | EA | 5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm | 399.05 | 36.64 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-54.19* | |
| | | *For 1" Mesh Fabric, Add* | *125.72* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *80.93* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *50.29* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-25.14* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *31.79* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *46.24* | |
| 32 31 13 13-0513 | EA | 6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm | 468.95 | 46.22 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-61.93* | |
| | | *For 1" Mesh Fabric, Add* | *143.68* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *92.49* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *57.47* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-28.74* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *36.33* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *52.85* | |
| 32 31 13 13-0514 | EA | 7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm | 538.85 | 55.67 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-69.68* | |
| | | *For 1" Mesh Fabric, Add* | *161.65* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *104.05* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *64.66* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-32.33* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *40.88* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *59.46* | |
| 32 31 13 13-0515 | EA | 8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm | 607.65 | 64.81 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-77.42* | |
| | | *For 1" Mesh Fabric, Add* | *179.61* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *115.61* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *71.84* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-35.92* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *45.42* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *66.06* | |
| 32 31 13 13-0516 | EA | 9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm | 677.55 | 74.39 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-85.16* | |
| | | *For 1" Mesh Fabric, Add* | *197.57* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *127.17* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *79.03* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-39.51* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *49.96* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *72.67* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0517 | EA | 10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm | 747.44 | 83.95 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-92.90* | |
| | | *For 1" Mesh Fabric, Add* | *215.53* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *138.73* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *86.21* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-43.11* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *54.50* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *79.28* | |
| 32 31 13 13-0518 | EA | 10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,034.16 | 96.88 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-139.35* | |
| | | *For 1" Mesh Fabric, Add* | *323.29* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *208.09* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *129.32* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-64.66* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *81.75* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *118.91* | |
| 32 31 13 13-0519 | EA | 12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,205.19 | 104.39 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-167.22* | |
| | | *For 1" Mesh Fabric, Add* | *387.95* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *249.71* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *155.18* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-77.59* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *98.10* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *142.69* | |
| 32 31 13 13-0520 | EA | 14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,379.94 | 113.04 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-195.09* | |
| | | *For 1" Mesh Fabric, Add* | *452.60* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *291.33* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *181.04* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-90.52* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *114.45* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *166.48* | |
| 32 31 13 13-0521 | EA | 16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,559.44 | 123.36 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-222.96* | |
| | | *For 1" Mesh Fabric, Add* | *517.26* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *332.95* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *206.91* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-103.45* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *130.80* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *190.26* | |
| 32 31 13 13-0522 | EA | 18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,745.11 | 135.70 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-250.83* | |
| | | *For 1" Mesh Fabric, Add* | *581.92* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *374.57* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *232.77* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-116.38* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *147.15* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *214.04* | |
| 32 31 13 13-0523 | EA | 20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,939.02 | 150.72 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-278.70* | |
| | | *For 1" Mesh Fabric, Add* | *646.58* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *416.19* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *258.63* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-129.32* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *163.50* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *237.82* | |
| 32 31 13 13-0524 | EA | 22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,144.22 | 169.57 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-306.57* | |
| | | *For 1" Mesh Fabric, Add* | *711.23* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *457.81* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *284.49* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-142.25* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *179.85* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *261.60* | |
| 32 31 13 13-0525 | EA | 24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,365.61 | 193.75 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-334.44* | |
| | | *For 1" Mesh Fabric, Add* | *775.89* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *499.42* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *310.36* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-155.18* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *196.20* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *285.39* | |
| 32 31 13 13-0526 | EA | 26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,611.24 | 226.09 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-362.31* | |
| | | *For 1" Mesh Fabric, Add* | *840.55* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *541.04* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *336.22* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-168.11* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *212.55* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *309.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0527 | EA | 28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,895.67 | 271.28 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-390.18* | |
| | | *For 1" Mesh Fabric, Add* | *905.21* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *582.66* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *362.08* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-181.04* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *228.90* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *332.95* | |
| 32 31 13 13-0528 | EA | 30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm | 3,247.99 | 339.14 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-418.05* | |
| | | *For 1" Mesh Fabric, Add* | *969.87* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *624.28* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *387.95* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-193.97* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *245.25* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *356.73* | |
| **32 31 13 13-0529** | | **10' Fence Height** *(32 31 13 13-0428)* | | |
| 32 31 13 13-0530 | EA | 3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm | 337.79 | 40.71 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-40.41* | |
| | | *For 1" Mesh Fabric, Add* | *93.76* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *60.35* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *37.50* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-18.75* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *23.71* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *34.48* | |
| 32 31 13 13-0531 | EA | 4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm | 409.64 | 40.71 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-53.88* | |
| | | *For 1" Mesh Fabric, Add* | *125.01* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *80.47* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *50.00* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-25.00* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *31.61* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *45.98* | |
| 32 31 13 13-0532 | EA | 5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm | 462.92 | 42.47 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-62.87* | |
| | | *For 1" Mesh Fabric, Add* | *145.85* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *93.88* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *58.34* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-29.17* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *36.88* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *53.64* | |
| 32 31 13 13-0533 | EA | 6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm | 541.62 | 52.82 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-71.85* | |
| | | *For 1" Mesh Fabric, Add* | *166.68* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *107.29* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *66.67* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-33.34* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *42.15* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *61.31* | |
| 32 31 13 13-0534 | EA | 7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm | 619.23 | 62.61 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-80.83* | |
| | | *For 1" Mesh Fabric, Add* | *187.52* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *120.70* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *75.01* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-37.50* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *47.42* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *68.97* | |
| 32 31 13 13-0535 | EA | 8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm | 697.94 | 72.95 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-89.81* | |
| | | *For 1" Mesh Fabric, Add* | *208.36* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *134.11* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *83.34* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-41.67* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *52.69* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *76.64* | |
| 32 31 13 13-0536 | EA | 9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm | 775.54 | 82.86 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-98.79* | |
| | | *For 1" Mesh Fabric, Add* | *229.19* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *147.53* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *91.68* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-45.84* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *57.96* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *84.30* | |
| 32 31 13 13-0537 | EA | 10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm | 854.26 | 93.09 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-107.77* | |
| | | *For 1" Mesh Fabric, Add* | *250.02* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *160.94* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *100.01* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-50.00* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *63.22* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *91.96* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0538 | EA | 10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,185.45 | 107.70 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-161.65* | |
| | | *For 1" Mesh Fabric, Add* | *375.03* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *241.40* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *150.01* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-75.01* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *94.84* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *137.94* | |
| 32 31 13 13-0539 | EA | 12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,382.63 | 115.85 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-193.98* | |
| | | *For 1" Mesh Fabric, Add* | *450.04* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *289.68* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *180.02* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-90.01* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *113.80* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *165.53* | |
| 32 31 13 13-0540 | EA | 14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,584.19 | 125.65 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-226.31* | |
| | | *For 1" Mesh Fabric, Add* | *525.05* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *337.96* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *210.02* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-105.01* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *132.77* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *193.12* | |
| 32 31 13 13-0541 | EA | 16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,790.73 | 136.98 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-258.64* | |
| | | *For 1" Mesh Fabric, Add* | *600.05* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *386.24* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *240.02* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-120.01* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *151.74* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *220.71* | |
| 32 31 13 13-0542 | EA | 18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,004.48 | 150.72 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-290.97* | |
| | | *For 1" Mesh Fabric, Add* | *675.05* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *434.52* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *270.02* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-135.01* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *170.70* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *248.30* | |
| 32 31 13 13-0543 | EA | 20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,226.95 | 167.41 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-323.30* | |
| | | *For 1" Mesh Fabric, Add* | *750.06* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *482.80* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *300.02* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-150.01* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *189.67* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *275.88* | |
| 32 31 13 13-0544 | EA | 22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,462.49 | 188.41 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-355.63* | |
| | | *For 1" Mesh Fabric, Add* | *825.07* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *531.08* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *330.03* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-165.01* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *208.64* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *303.47* | |
| 32 31 13 13-0545 | EA | 24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,715.34 | 215.14 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-387.96* | |
| | | *For 1" Mesh Fabric, Add* | *900.08* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *579.36* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *360.03* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-180.02* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *227.61* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *331.06* | |
| 32 31 13 13-0546 | EA | 26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,995.94 | 251.17 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-420.29* | |
| | | *For 1" Mesh Fabric, Add* | *975.08* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *627.64* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *390.03* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-195.02* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *246.57* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *358.65* | |
| 32 31 13 13-0547 | EA | 28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm | 3,318.44 | 301.20 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-452.62* | |
| | | *For 1" Mesh Fabric, Add* | *1,050.09* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *675.92* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *420.03* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-210.02* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *265.54* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *386.24* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0548 | EA | 30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm | 3,717.98 | 376.81 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-484.95* | |
| | | *For 1" Mesh Fabric, Add* | *1,125.09* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *724.20* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *450.04* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-225.02* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *284.51* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *413.83* | |
| 32 31 13 13-0549 | | 12' Fence Height *(32 31 13 13-0428)* | | |
| 32 31 13 13-0550 | EA | 3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm | 436.42 | 45.22 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-56.36* | |
| | | *For 1" Mesh Fabric, Add* | *130.75* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *84.16* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *52.30* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-26.15* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *33.06* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *48.09* | |
| 32 31 13 13-0551 | EA | 4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm | 536.34 | 45.22 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-75.09* | |
| | | *For 1" Mesh Fabric, Add* | *174.22* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *112.14* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *69.69* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-34.84* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *44.06* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *64.08* | |
| 32 31 13 13-0552 | EA | 5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm | 615.66 | 46.87 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-89.03* | |
| | | *For 1" Mesh Fabric, Add* | *206.55* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *132.95* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *82.62* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-41.31* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *52.23* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *75.97* | |
| 32 31 13 13-0553 | EA | 6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm | 711.71 | 58.21 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-100.64* | |
| | | *For 1" Mesh Fabric, Add* | *233.49* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *150.29* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *93.40* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-46.70* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *59.04* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *85.88* | |
| 32 31 13 13-0554 | EA | 7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm | 814.64 | 69.65 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-113.54* | |
| | | *For 1" Mesh Fabric, Add* | *263.42* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *169.56* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *105.37* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-52.68* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *66.61* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *96.89* | |
| 32 31 13 13-0555 | EA | 8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm | 916.47 | 80.66 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-126.45* | |
| | | *For 1" Mesh Fabric, Add* | *293.36* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *188.83* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *117.34* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-58.67* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *74.18* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *107.90* | |
| 32 31 13 13-0556 | EA | 9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm | 1,019.39 | 91.99 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-139.35* | |
| | | *For 1" Mesh Fabric, Add* | *323.29* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *208.10* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *129.32* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-64.66* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *81.75* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *118.91* | |
| 32 31 13 13-0557 | EA | 10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm | 1,115.45 | 103.32 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-150.96* | |
| | | *For 1" Mesh Fabric, Add* | *350.24* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *225.44* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *140.09* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-70.05* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *88.57* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *128.82* | |
| 32 31 13 13-0558 | EA | 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,566.39 | 119.66 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-226.37* | |
| | | *For 1" Mesh Fabric, Add* | *525.17* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *338.04* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *210.07* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-105.03* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *132.80* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *193.17* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0559 | EA | 12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm | 1,874.70 | 128.83 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-279.01* | |
| | | *For 1" Mesh Fabric, Add* | *647.31* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *416.66* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *258.92* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-129.46* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *163.69* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *238.09* | |
| 32 31 13 13-0560 | EA | 14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,156.54 | 139.53 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-325.77* | |
| | | *For 1" Mesh Fabric, Add* | *755.79* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *486.48* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *302.31* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-151.16* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *191.12* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *277.99* | |
| 32 31 13 13-0561 | EA | 16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,442.28 | 152.12 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-372.22* | |
| | | *For 1" Mesh Fabric, Add* | *863.55* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *555.85* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *345.42* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-172.71* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *218.37* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *317.63* | |
| 32 31 13 13-0562 | EA | 18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm | 2,732.53 | 167.53 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-418.05* | |
| | | *For 1" Mesh Fabric, Add* | *969.88* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *624.29* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *387.95* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-193.98* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *245.26* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *356.74* | |
| 32 31 13 13-0563 | EA | 20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm | 3,035.68 | 185.99 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-464.50* | |
| | | *For 1" Mesh Fabric, Add* | *1,077.64* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *693.66* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *431.06* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-215.53* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *272.51* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *396.37* | |
| 32 31 13 13-0564 | EA | 22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm | 3,353.71 | 209.28 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-510.95* | |
| | | *For 1" Mesh Fabric, Add* | *1,185.41* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *763.02* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *474.16* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-237.08* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *299.76* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *436.01* | |
| 32 31 13 13-0565 | EA | 24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm | 3,690.81 | 239.07 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-557.40* | |
| | | *For 1" Mesh Fabric, Add* | *1,293.17* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *832.39* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *517.27* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-258.63* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *327.01* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *475.65* | |
| 32 31 13 13-0566 | EA | 26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm | 4,066.99 | 279.17 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-605.40* | |
| | | *For 1" Mesh Fabric, Add* | *1,404.53* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *904.06* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *561.81* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-280.91* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *355.17* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *516.61* | |
| 32 31 13 13-0567 | EA | 28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm | 4,481.48 | 334.68 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-651.85* | |
| | | *For 1" Mesh Fabric, Add* | *1,512.29* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *973.43* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *604.92* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-302.46* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *382.42* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *556.24* | |
| 32 31 13 13-0568 | EA | 30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm | 4,981.57 | 418.70 |
| | | *For 1-5/8" Schedule 40 Pipe Frame, Deduct* | *-698.30* | |
| | | *For 1" Mesh Fabric, Add* | *1,620.06* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,042.80* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *648.02* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-324.01* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *409.67* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *595.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0569 | | **Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0286)* | | |
| | | Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0672 for additonal gate accessories, 32 31 13 13-0757 for gate repacement parts. | | |
| 32 31 13 13-0570 | | **4' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0569)* | | |
| 32 31 13 13-0571 | EA | 10' Long x 4' High Chain Link Galvanized Steel Sliding Gate | 3,112.93 | 413.22 |
| | | *For 1" Mesh Fabric, Add* | *994.60* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *640.20* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *397.84* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-198.92* | |
| | | *For Gate With Barb Wire Arm, Add* | *251.51* | |
| | | *For Vinyl Coated, Add* | *685.93* | |
| 32 31 13 13-0572 | EA | 12' Long x 4' High Chain Link Galvanized Steel Sliding Gate | 3,741.38 | 498.89 |
| | | *For 1" Mesh Fabric, Add* | *1,193.52* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *768.24* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *477.41* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-238.70* | |
| | | *For Gate With Barb Wire Arm, Add* | *301.81* | |
| | | *For Vinyl Coated, Add* | *823.12* | |
| 32 31 13 13-0573 | EA | 14' Long x 4' High Chain Link Galvanized Steel Sliding Gate | 4,365.19 | 582.02 |
| | | *For 1" Mesh Fabric, Add* | *1,392.44* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *896.29* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *556.98* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-278.49* | |
| | | *For Gate With Barb Wire Arm, Add* | *352.11* | |
| | | *For Vinyl Coated, Add* | *960.31* | |
| 32 31 13 13-0574 | EA | 16' Long x 4' High Chain Link Galvanized Steel Sliding Gate | 4,996.21 | 668.96 |
| | | *For 1" Mesh Fabric, Add* | *1,591.36* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,024.33* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *636.55* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-318.27* | |
| | | *For Gate With Barb Wire Arm, Add* | *402.41* | |
| | | *For Vinyl Coated, Add* | *1,097.49* | |
| 32 31 13 13-0575 | EA | 18' Long x 4' High Chain Link Galvanized Steel Sliding Gate | 5,620.79 | 752.61 |
| | | *For 1" Mesh Fabric, Add* | *1,790.29* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,152.37* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *716.11* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-358.06* | |
| | | *For Gate With Barb Wire Arm, Add* | *452.72* | |
| | | *For Vinyl Coated, Add* | *1,234.68* | |
| 32 31 13 13-0576 | EA | 20' Long x 4' High Chain Link Galvanized Steel Sliding Gate | 6,229.92 | 828.47 |
| | | *For 1" Mesh Fabric, Add* | *1,989.21* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,280.41* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *795.68* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-397.84* | |
| | | *For Gate With Barb Wire Arm, Add* | *503.02* | |
| | | *For Vinyl Coated, Add* | *1,371.87* | |
| 32 31 13 13-0577 | EA | 24' Long x 4' High Chain Link Galvanized Steel Sliding Gate | 7,442.52 | 997.65 |
| | | *For 1" Mesh Fabric, Add* | *2,369.53* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,525.22* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *947.81* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-473.91* | |
| | | *For Gate With Barb Wire Arm, Add* | *599.19* | |
| | | *For Vinyl Coated, Add* | *1,634.16* | |
| 32 31 13 13-0578 | EA | 30' Long x 4' High Chain Link Galvanized Steel Sliding Gate | 10,625.63 | 1,883.17 |
| | | *For 1" Mesh Fabric, Add* | *2,983.81* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,920.61* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,193.52* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-596.76* | |
| | | *For Gate With Barb Wire Arm, Add* | *754.53* | |
| | | *For Vinyl Coated, Add* | *2,057.80* | |
| 32 31 13 13-0579 | EA | 40' Long x 4' High Chain Link Galvanized Steel Sliding Gate | 14,167.51 | 2,510.88 |
| | | *For 1" Mesh Fabric, Add* | *3,978.41* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,560.82* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,591.36* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-795.68* | |
| | | *For Gate With Barb Wire Arm, Add* | *1,006.03* | |
| | | *For Vinyl Coated, Add* | *2,743.73* | |
| 32 31 13 13-0580 | | **5' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0569)* | | |
| 32 31 13 13-0581 | EA | 10' Long x 5' High Chain Link Galvanized Steel Sliding Gate | 3,253.14 | 449.75 |
| | | *For 1" Mesh Fabric, Add* | *1,023.83* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *659.02* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *409.53* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-204.77* | |
| | | *For Gate With Barb Wire Arm, Add* | *258.90* | |
| | | *For Vinyl Coated, Add* | *706.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0582 | EA | 12' Long x 5' High Chain Link Galvanized Steel Sliding Gate | 3,902.50 | 539.12 |
| | | *For 1" Mesh Fabric, Add* | *1,228.60* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *790.82* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *491.44* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-245.72* | |
| | | *For Gate With Barb Wire Arm, Add* | *310.68* | |
| | | *For Vinyl Coated, Add* | *847.31* | |
| 32 31 13 13-0583 | EA | 14' Long x 5' High Chain Link Galvanized Steel Sliding Gate | 4,552.70 | 628.86 |
| | | *For 1" Mesh Fabric, Add* | *1,433.37* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *922.63* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *573.35* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-286.67* | |
| | | *For Gate With Barb Wire Arm, Add* | *362.46* | |
| | | *For Vinyl Coated, Add* | *988.53* | |
| 32 31 13 13-0584 | EA | 16' Long x 5' High Chain Link Galvanized Steel Sliding Gate | 5,203.45 | 718.87 |
| | | *For 1" Mesh Fabric, Add* | *1,638.14* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,054.43* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *655.25* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-327.63* | |
| | | *For Gate With Barb Wire Arm, Add* | *414.24* | |
| | | *For Vinyl Coated, Add* | *1,129.75* | |
| 32 31 13 13-0585 | EA | 18' Long x 5' High Chain Link Galvanized Steel Sliding Gate | 5,853.59 | 808.49 |
| | | *For 1" Mesh Fabric, Add* | *1,842.90* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,186.23* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *737.16* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-368.58* | |
| | | *For Gate With Barb Wire Arm, Add* | *466.02* | |
| | | *For Vinyl Coated, Add* | *1,270.97* | |
| 32 31 13 13-0586 | EA | 20' Long x 5' High Chain Link Galvanized Steel Sliding Gate | 6,504.05 | 898.36 |
| | | *For 1" Mesh Fabric, Add* | *2,047.67* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,318.04* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *819.07* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-409.53* | |
| | | *For Gate With Barb Wire Arm, Add* | *517.80* | |
| | | *For Vinyl Coated, Add* | *1,412.18* | |
| 32 31 13 13-0587 | EA | 24' Long x 5' High Chain Link Galvanized Steel Sliding Gate | 7,765.86 | 1,079.26 |
| | | *For 1" Mesh Fabric, Add* | *2,439.18* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,570.04* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *975.67* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-487.84* | |
| | | *For Gate With Barb Wire Arm, Add* | *616.80* | |
| | | *For Vinyl Coated, Add* | *1,682.19* | |
| 32 31 13 13-0588 | EA | 30' Long x 5' High Chain Link Galvanized Steel Sliding Gate | 9,756.55 | 1,347.86 |
| | | *For 1" Mesh Fabric, Add* | *3,071.50* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,977.06* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,228.60* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-614.30* | |
| | | *For Gate With Barb Wire Arm, Add* | *776.70* | |
| | | *For Vinyl Coated, Add* | *2,118.28* | |
| 32 31 13 13-0589 | EA | 40' Long x 5' High Chain Link Galvanized Steel Sliding Gate | 13,008.10 | 1,796.72 |
| | | *For 1" Mesh Fabric, Add* | *4,095.33* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,636.08* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,638.13* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-819.07* | |
| | | *For Gate With Barb Wire Arm, Add* | *1,035.60* | |
| | | *For Vinyl Coated, Add* | *2,824.37* | |

## 32 31 13 13-0590 6' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0569)*

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0591 | EA | 10' Long x 6' High Chain Link Galvanized Steel Sliding Gate | 3,455.15 | 527.28 |
| | | *For 1" Mesh Fabric, Add* | *1,044.30* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *672.19* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *417.72* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-208.86* | |
| | | *For Gate With Barb Wire Arm, Add* | *264.07* | |
| | | *For Vinyl Coated, Add* | *720.20* | |
| 32 31 13 13-0592 | EA | 12' Long x 6' High Chain Link Galvanized Steel Sliding Gate | 4,142.48 | 630.78 |
| | | *For 1" Mesh Fabric, Add* | *1,253.16* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *806.63* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *501.26* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-250.63* | |
| | | *For Gate With Barb Wire Arm, Add* | *316.89* | |
| | | *For Vinyl Coated, Add* | *864.25* | |
| 32 31 13 13-0593 | EA | 14' Long x 6' High Chain Link Galvanized Steel Sliding Gate | 4,832.64 | 735.80 |
| | | *For 1" Mesh Fabric, Add* | *1,462.01* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *941.07* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *584.81* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-292.40* | |
| | | *For Gate With Barb Wire Arm, Add* | *369.70* | |
| | | *For Vinyl Coated, Add* | *1,008.29* | |
| 32 31 13 13-0594 | EA | 16' Long x 6' High Chain Link Galvanized Steel Sliding Gate | 5,523.30 | 841.08 |
| | | *For 1" Mesh Fabric, Add* | *1,670.87* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,075.51* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *668.35* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-334.17* | |
| | | *For Gate With Barb Wire Arm, Add* | *422.52* | |
| | | *For Vinyl Coated, Add* | *1,152.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0595 | EA | 18' Long x 6' High Chain Link Galvanized Steel Sliding Gate | 6,213.47 | 946.11 |
| | | *For 1" Mesh Fabric, Add* | *1,879.73* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,209.94* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *751.89* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-375.95* | |
| | | *For Gate With Barb Wire Arm, Add* | *475.33* | |
| | | *For Vinyl Coated, Add* | *1,296.37* | |
| 32 31 13 13-0596 | EA | 20' Long x 6' High Chain Link Galvanized Steel Sliding Gate | 6,910.74 | 1,054.69 |
| | | *For 1" Mesh Fabric, Add* | *2,088.59* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,344.38* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *835.44* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-417.72* | |
| | | *For Gate With Barb Wire Arm, Add* | *528.15* | |
| | | *For Vinyl Coated, Add* | *1,440.41* | |
| 32 31 13 13-0597 | EA | 24' Long x 6' High Chain Link Galvanized Steel Sliding Gate | 8,242.68 | 1,261.68 |
| | | *For 1" Mesh Fabric, Add* | *2,487.93* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,601.42* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *995.17* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-497.59* | |
| | | *For Gate With Barb Wire Arm, Add* | *629.13* | |
| | | *For Vinyl Coated, Add* | *1,715.81* | |
| 32 31 13 13-0598 | EA | 30' Long x 6' High Chain Link Galvanized Steel Sliding Gate | 10,356.96 | 1,577.52 |
| | | *For 1" Mesh Fabric, Add* | *3,132.89* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,016.57* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,253.15* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-626.58* | |
| | | *For Gate With Barb Wire Arm, Add* | *792.22* | |
| | | *For Vinyl Coated, Add* | *2,160.61* | |
| 32 31 13 13-0599 | EA | 40' Long x 6' High Chain Link Galvanized Steel Sliding Gate | 13,807.54 | 2,102.38 |
| | | *For 1" Mesh Fabric, Add* | *4,177.18* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,688.76* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,670.87* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-835.44* | |
| | | *For Gate With Barb Wire Arm, Add* | *1,056.30* | |
| | | *For Vinyl Coated, Add* | *2,880.82* | |
| **32 31 13 13-0600** | | **7' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0569)* | | |
| 32 31 13 13-0601 | EA | 10' Long x 7' High Chain Link Galvanized Steel Sliding Gate | 3,671.03 | 588.13 |
| | | *For 1" Mesh Fabric, Add* | *1,085.22* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *698.53* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *434.09* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-217.04* | |
| | | *For Gate With Barb Wire Arm, Add* | *274.42* | |
| | | *For Vinyl Coated, Add* | *748.43* | |
| 32 31 13 13-0602 | EA | 12' Long x 7' High Chain Link Galvanized Steel Sliding Gate | 4,404.34 | 705.25 |
| | | *For 1" Mesh Fabric, Add* | *1,302.30* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *838.26* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *520.92* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-260.46* | |
| | | *For Gate With Barb Wire Arm, Add* | *329.32* | |
| | | *For Vinyl Coated, Add* | *898.14* | |
| 32 31 13 13-0603 | EA | 14' Long x 7' High Chain Link Galvanized Steel Sliding Gate | 5,139.50 | 823.39 |
| | | *For 1" Mesh Fabric, Add* | *1,519.30* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *977.94* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *607.72* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-303.86* | |
| | | *For Gate With Barb Wire Arm, Add* | *384.19* | |
| | | *For Vinyl Coated, Add* | *1,047.80* | |
| 32 31 13 13-0604 | EA | 16' Long x 7' High Chain Link Galvanized Steel Sliding Gate | 5,872.69 | 940.50 |
| | | *For 1" Mesh Fabric, Add* | *1,736.35* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,117.65* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *694.54* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-347.27* | |
| | | *For Gate With Barb Wire Arm, Add* | *439.08* | |
| | | *For Vinyl Coated, Add* | *1,197.49* | |
| 32 31 13 13-0605 | EA | 18' Long x 7' High Chain Link Galvanized Steel Sliding Gate | 6,606.96 | 1,058.26 |
| | | *For 1" Mesh Fabric, Add* | *1,953.39* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,257.36* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *781.36* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-390.68* | |
| | | *For Gate With Barb Wire Arm, Add* | *493.96* | |
| | | *For Vinyl Coated, Add* | *1,347.17* | |
| 32 31 13 13-0606 | EA | 20' Long x 7' High Chain Link Galvanized Steel Sliding Gate | 7,340.43 | 1,175.49 |
| | | *For 1" Mesh Fabric, Add* | *2,170.45* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,397.07* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *868.18* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-434.09* | |
| | | *For Gate With Barb Wire Arm, Add* | *548.85* | |
| | | *For Vinyl Coated, Add* | *1,496.86* | |
| 32 31 13 13-0607 | EA | 24' Long x 7' High Chain Link Galvanized Steel Sliding Gate | 8,764.58 | 1,410.50 |
| | | *For 1" Mesh Fabric, Add* | *2,585.42* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,664.18* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,034.17* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-517.08* | |
| | | *For Gate With Barb Wire Arm, Add* | *653.79* | |
| | | *For Vinyl Coated, Add* | *1,783.05* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0608 | EA | 30' Long x 7' High Chain Link Galvanized Steel Sliding Gate | 11,010.62 | 1,763.12 |
| | | *For 1" Mesh Fabric, Add* | *3,255.66* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,095.60* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,302.26* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-651.13* | |
| | | *For Gate With Barb Wire Arm, Add* | *823.27* | |
| | | *For Vinyl Coated, Add* | *2,245.28* | |
| 32 31 13 13-0609 | EA | 40' Long x 7' High Chain Link Galvanized Steel Sliding Gate | 14,680.82 | 2,350.87 |
| | | *For 1" Mesh Fabric, Add* | *4,340.88* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,794.13* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,736.35* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-868.18* | |
| | | *For Gate With Barb Wire Arm, Add* | *1,097.69* | |
| | | *For Vinyl Coated, Add* | *2,993.71* | |
| 32 31 13 13-0610 | | 8' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0569)* | | |
| 32 31 13 13-0611 | EA | 10' Long x 8' High Chain Link Galvanized Steel Sliding Gate | 3,842.98 | 637.14 |
| | | *For 1" Mesh Fabric, Add* | *1,117.38* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *719.23* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *446.95* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-223.48* | |
| | | *For Gate With Barb Wire Arm, Add* | *282.56* | |
| | | *For Vinyl Coated, Add* | *770.61* | |
| 32 31 13 13-0612 | EA | 12' Long x 8' High Chain Link Galvanized Steel Sliding Gate | 4,607.89 | 762.79 |
| | | *For 1" Mesh Fabric, Add* | *1,340.85* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *863.08* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *536.34* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-268.17* | |
| | | *For Gate With Barb Wire Arm, Add* | *339.07* | |
| | | *For Vinyl Coated, Add* | *924.73* | |
| 32 31 13 13-0613 | EA | 14' Long x 8' High Chain Link Galvanized Steel Sliding Gate | 5,375.96 | 889.96 |
| | | *For 1" Mesh Fabric, Add* | *1,564.32* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,006.92* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *625.73* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-312.86* | |
| | | *For Gate With Barb Wire Arm, Add* | *395.58* | |
| | | *For Vinyl Coated, Add* | *1,078.84* | |
| 32 31 13 13-0614 | EA | 16' Long x 8' High Chain Link Galvanized Steel Sliding Gate | 6,144.26 | 1,017.13 |
| | | *For 1" Mesh Fabric, Add* | *1,787.80* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,150.77* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *715.12* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-357.56* | |
| | | *For Gate With Barb Wire Arm, Add* | *452.09* | |
| | | *For Vinyl Coated, Add* | *1,232.96* | |
| 32 31 13 13-0615 | EA | 18' Long x 8' High Chain Link Galvanized Steel Sliding Gate | 6,911.14 | 1,143.80 |
| | | *For 1" Mesh Fabric, Add* | *2,011.27* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,294.61* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *804.51* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-402.25* | |
| | | *For Gate With Barb Wire Arm, Add* | *508.60* | |
| | | *For Vinyl Coated, Add* | *1,387.08* | |
| 32 31 13 13-0616 | EA | 20' Long x 8' High Chain Link Galvanized Steel Sliding Gate | 7,679.56 | 1,271.10 |
| | | *For 1" Mesh Fabric, Add* | *2,234.75* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,438.46* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *893.90* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-446.95* | |
| | | *For Gate With Barb Wire Arm, Add* | *565.11* | |
| | | *For Vinyl Coated, Add* | *1,541.21* | |
| 32 31 13 13-0617 | EA | 24' Long x 8' High Chain Link Galvanized Steel Sliding Gate | 9,170.56 | 1,525.45 |
| | | *For 1" Mesh Fabric, Add* | *2,662.03* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,713.49* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,064.81* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-532.41* | |
| | | *For Gate With Barb Wire Arm, Add* | *673.16* | |
| | | *For Vinyl Coated, Add* | *1,835.88* | |
| 32 31 13 13-0618 | EA | 30' Long x 8' High Chain Link Galvanized Steel Sliding Gate | 11,520.30 | 1,907.10 |
| | | *For 1" Mesh Fabric, Add* | *3,352.13* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,157.69* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,340.85* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-670.43* | |
| | | *For Gate With Barb Wire Arm, Add* | *847.66* | |
| | | *For Vinyl Coated, Add* | *2,311.81* | |
| 32 31 13 13-0619 | EA | 40' Long x 8' High Chain Link Galvanized Steel Sliding Gate | 15,356.59 | 2,540.93 |
| | | *For 1" Mesh Fabric, Add* | *4,469.49* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,876.92* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,787.80* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-893.90* | |
| | | *For Gate With Barb Wire Arm, Add* | *1,130.22* | |
| | | *For Vinyl Coated, Add* | *3,082.41* | |
| 32 31 13 13-0620 | | 9' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0569)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0621 | EA | 10' Long x 9' High Chain Link Galvanized Steel Sliding Gate | 4,046.16 | 695.07 |
| | | *For 1" Mesh Fabric, Add* | *1,155.37* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *743.69* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *462.15* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-231.07* | |
| | | *For Gate With Barb Wire Arm, Add* | *292.16* | |
| | | *For Vinyl Coated, Add* | *796.81* | |
| 32 31 13 13-0622 | EA | 12' Long x 9' High Chain Link Galvanized Steel Sliding Gate | 4,850.22 | 831.53 |
| | | *For 1" Mesh Fabric, Add* | *1,386.45* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *892.43* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *554.58* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-277.29* | |
| | | *For Gate With Barb Wire Arm, Add* | *350.60* | |
| | | *For Vinyl Coated, Add* | *956.17* | |
| 32 31 13 13-0623 | EA | 14' Long x 9' High Chain Link Galvanized Steel Sliding Gate | 5,658.28 | 969.91 |
| | | *For 1" Mesh Fabric, Add* | *1,617.53* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,041.17* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *647.01* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-323.51* | |
| | | *For Gate With Barb Wire Arm, Add* | *409.03* | |
| | | *For Vinyl Coated, Add* | *1,115.54* | |
| 32 31 13 13-0624 | EA | 16' Long x 9' High Chain Link Galvanized Steel Sliding Gate | 6,467.44 | 1,108.92 |
| | | *For 1" Mesh Fabric, Add* | *1,848.60* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,189.90* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *739.44* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-369.72* | |
| | | *For Gate With Barb Wire Arm, Add* | *467.46* | |
| | | *For Vinyl Coated, Add* | *1,274.90* | |
| 32 31 13 13-0625 | EA | 18' Long x 9' High Chain Link Galvanized Steel Sliding Gate | 7,275.74 | 1,247.42 |
| | | *For 1" Mesh Fabric, Add* | *2,079.67* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,338.64* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *831.87* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-415.93* | |
| | | *For Gate With Barb Wire Arm, Add* | *525.89* | |
| | | *For Vinyl Coated, Add* | *1,434.26* | |
| 32 31 13 13-0626 | EA | 20' Long x 9' High Chain Link Galvanized Steel Sliding Gate | 8,084.01 | 1,385.92 |
| | | *For 1" Mesh Fabric, Add* | *2,310.75* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,487.38* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *924.30* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-462.15* | |
| | | *For Gate With Barb Wire Arm, Add* | *584.33* | |
| | | *For Vinyl Coated, Add* | *1,593.62* | |
| 32 31 13 13-0627 | EA | 24' Long x 9' High Chain Link Galvanized Steel Sliding Gate | 9,653.68 | 1,662.93 |
| | | *For 1" Mesh Fabric, Add* | *2,752.56* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,771.76* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,101.02* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-550.51* | |
| | | *For Gate With Barb Wire Arm, Add* | *696.05* | |
| | | *For Vinyl Coated, Add* | *1,898.32* | |
| 32 31 13 13-0628 | EA | 30' Long x 9' High Chain Link Galvanized Steel Sliding Gate | 12,124.87 | 2,078.44 |
| | | *For 1" Mesh Fabric, Add* | *3,466.12* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,231.07* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,386.45* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-693.22* | |
| | | *For Gate With Barb Wire Arm, Add* | *876.49* | |
| | | *For Vinyl Coated, Add* | *2,390.43* | |
| 32 31 13 13-0629 | EA | 40' Long x 9' High Chain Link Galvanized Steel Sliding Gate | 16,171.04 | 2,773.51 |
| | | *For 1" Mesh Fabric, Add* | *4,621.51* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,974.76* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,848.60* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-924.30* | |
| | | *For Gate With Barb Wire Arm, Add* | *1,168.66* | |
| | | *For Vinyl Coated, Add* | *3,187.25* | |

## 32 31 13 13-0630 10' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0569)*

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0631 | EA | 10' Long x 10' High Chain Link Galvanized Steel Sliding Gate | 4,299.41 | 764.57 |
| | | *For 1" Mesh Fabric, Add* | *1,205.07* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *775.68* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *482.03* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-241.01* | |
| | | *For Gate With Barb Wire Arm, Add* | *304.73* | |
| | | *For Vinyl Coated, Add* | *831.08* | |
| 32 31 13 13-0632 | EA | 12' Long x 10' High Chain Link Galvanized Steel Sliding Gate | 5,159.31 | 917.46 |
| | | *For 1" Mesh Fabric, Add* | *1,446.08* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *930.81* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *578.43* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-289.22* | |
| | | *For Gate With Barb Wire Arm, Add* | *365.68* | |
| | | *For Vinyl Coated, Add* | *997.30* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0633 | EA | 14' Long x 10' High Chain Link Galvanized Steel Sliding Gate | 6,019.71 | 1,070.60 |
| | | *For 1" Mesh Fabric, Add* | *1,687.10* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,085.95* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *674.84* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-337.42* | |
| | | *For Gate With Barb Wire Arm, Add* | *426.62* | |
| | | *For Vinyl Coated, Add* | *1,163.52* | |
| 32 31 13 13-0634 | EA | 16' Long x 10' High Chain Link Galvanized Steel Sliding Gate | 6,879.37 | 1,223.49 |
| | | *For 1" Mesh Fabric, Add* | *1,928.12* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,241.09* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *771.25* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-385.62* | |
| | | *For Gate With Barb Wire Arm, Add* | *487.57* | |
| | | *For Vinyl Coated, Add* | *1,329.74* | |
| 32 31 13 13-0635 | EA | 18' Long x 10' High Chain Link Galvanized Steel Sliding Gate | 7,738.93 | 1,376.25 |
| | | *For 1" Mesh Fabric, Add* | *2,169.12* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,396.21* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *867.65* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-433.82* | |
| | | *For Gate With Barb Wire Arm, Add* | *548.51* | |
| | | *For Vinyl Coated, Add* | *1,495.94* | |
| 32 31 13 13-0636 | EA | 20' Long x 10' High Chain Link Galvanized Steel Sliding Gate | 8,598.83 | 1,529.14 |
| | | *For 1" Mesh Fabric, Add* | *2,410.13* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,551.35* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *964.05* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-482.03* | |
| | | *For Gate With Barb Wire Arm, Add* | *609.46* | |
| | | *For Vinyl Coated, Add* | *1,662.16* | |
| 32 31 13 13-0637 | EA | 24' Long x 10' High Chain Link Galvanized Steel Sliding Gate | 10,271.15 | 1,835.68 |
| | | *For 1" Mesh Fabric, Add* | *2,870.95* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,847.97* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,148.38* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-574.19* | |
| | | *For Gate With Barb Wire Arm, Add* | *725.99* | |
| | | *For Vinyl Coated, Add* | *1,979.96* | |
| 32 31 13 13-0638 | EA | 30' Long x 10' High Chain Link Galvanized Steel Sliding Gate | 12,898.24 | 2,293.71 |
| | | *For 1" Mesh Fabric, Add* | *3,615.20* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,327.03* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,446.08* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-723.04* | |
| | | *For Gate With Barb Wire Arm, Add* | *914.19* | |
| | | *For Vinyl Coated, Add* | *2,493.24* | |
| 32 31 13 13-0639 | EA | 40' Long x 10' High Chain Link Galvanized Steel Sliding Gate | 17,194.01 | 3,056.50 |
| | | *For 1" Mesh Fabric, Add* | *4,820.28* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *3,102.71* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,928.11* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-964.06* | |
| | | *For Gate With Barb Wire Arm, Add* | *1,218.92* | |
| | | *For Vinyl Coated, Add* | *3,324.33* | |

### 32 31 13 13-0640 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller *(32 31 13 13-0286)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0641 | EA | 5' High x 10' Wide Galvanized Cantilever Sliding Gate | 6,590.18 | 509.20 |
| | | *For 1" Mesh Fabric, Add* | *2,423.72* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,560.10* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *969.49* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-484.74* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *612.89* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *891.48* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,674.45* | |
| | | *For Powder Coated Gate And Post, Add* | *1,170.07* | |
| | | *For Vinyl Coated, Add* | *1,671.53* | |
| 32 31 13 13-0642 | EA | 5' High x 12' Wide Galvanized Cantilever Sliding Gate | 7,224.07 | 636.51 |
| | | *For 1" Mesh Fabric, Add* | *2,588.71* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,666.30* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,035.48* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-517.74* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *654.62* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *952.17* | |
| | | *For Aluminized Steel Gate And Post, Add* | *2,856.51* | |
| | | *For Powder Coated Gate And Post, Add* | *1,249.72* | |
| | | *For Vinyl Coated, Add* | *1,785.32* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0643 | EA | 5' High x 15' Wide Galvanized Cantilever Sliding Gate | 7,863.17 | 763.81 |
| | | *For 1" Mesh Fabric, Add* | *2,755.97* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,773.96* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,102.39* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-551.19* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *696.91* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,013.69* | |
| | | *For Aluminized Steel Gate And Post, Add* | *3,041.07* | |
| | | *For Powder Coated Gate And Post, Add* | *1,330.47* | |
| | | *For Vinyl Coated, Add* | *1,900.67* | |
| 32 31 13 13-0644 | EA | 5' High x 20' Wide Galvanized Cantilever Sliding Gate | 9,217.11 | 1,018.41 |
| | | *For 1" Mesh Fabric, Add* | *3,123.43* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,010.48* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,249.37* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-624.69* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *789.83* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,148.85* | |
| | | *For Aluminized Steel Gate And Post, Add* | *3,446.54* | |
| | | *For Powder Coated Gate And Post, Add* | *1,507.86* | |
| | | *For Vinyl Coated, Add* | *2,154.09* | |
| 32 31 13 13-0645 | EA | 6' High x 15' Wide Galvanized Cantilever Sliding Gate | 8,561.70 | 1,018.41 |
| | | *For 1" Mesh Fabric, Add* | *2,838.32* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *1,826.97* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,135.33* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-567.66* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *717.74* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,043.98* | |
| | | *For Aluminized Steel Gate And Post, Add* | *3,131.94* | |
| | | *For Powder Coated Gate And Post, Add* | *1,370.22* | |
| | | *For Vinyl Coated, Add* | *1,957.46* | |
| 32 31 13 13-0646 | EA | 6' High x 20' Wide Galvanized Cantilever Sliding Gate | 10,021.64 | 1,336.66 |
| | | *For 1" Mesh Fabric, Add* | *3,196.51* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,057.53* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,278.61* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-639.30* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *808.31* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,175.73* | |
| | | *For Aluminized Steel Gate And Post, Add* | *3,527.19* | |
| | | *For Powder Coated Gate And Post, Add* | *1,543.15* | |
| | | *For Vinyl Coated, Add* | *2,204.49* | |
| 32 31 13 13-0647 | EA | 6' High x 25' Wide Galvanized Cantilever Sliding Gate | 13,297.23 | 1,654.92 |
| | | *For 1" Mesh Fabric, Add* | *4,344.52* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,796.47* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,737.81* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-868.90* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,098.61* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,597.98* | |
| | | *For Aluminized Steel Gate And Post, Add* | *4,793.95* | |
| | | *For Powder Coated Gate And Post, Add* | *2,097.35* | |
| | | *For Vinyl Coated, Add* | *2,996.22* | |
| 32 31 13 13-0648 | EA | 6' High x 30' Wide Galvanized Cantilever Sliding Gate | 14,968.68 | 1,973.16 |
| | | *For 1" Mesh Fabric, Add* | *4,794.72* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *3,086.26* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,917.89* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-958.94* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,212.46* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,763.57* | |
| | | *For Aluminized Steel Gate And Post, Add* | *5,290.72* | |
| | | *For Powder Coated Gate And Post, Add* | *2,314.69* | |
| | | *For Vinyl Coated, Add* | *3,306.70* | |
| 32 31 13 13-0649 | EA | 6' High x 36' Wide Galvanized Cantilever Sliding Gate | 17,555.05 | 2,164.12 |
| | | *For 1" Mesh Fabric, Add* | *5,753.66* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *3,703.51* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *2,301.46* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1,150.73* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,454.95* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *2,116.29* | |
| | | *For Aluminized Steel Gate And Post, Add* | *6,348.87* | |
| | | *For Powder Coated Gate And Post, Add* | *2,777.63* | |
| | | *For Vinyl Coated, Add* | *3,968.04* | |
| 32 31 13 13-0650 | EA | 8' High x 15' Wide Galvanized Cantilever Sliding Gate | 10,011.18 | 1,273.01 |
| | | *For 1" Mesh Fabric, Add* | *3,247.34* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,090.24* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,298.94* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-649.47* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *821.17* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,194.43* | |
| | | *For Aluminized Steel Gate And Post, Add* | *3,583.28* | |
| | | *For Powder Coated Gate And Post, Add* | *1,567.68* | |
| | | *For Vinyl Coated, Add* | *2,239.55* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0651 | EA | 8' High x 20' Wide Galvanized Cantilever Sliding Gate | 11,843.00 | 1,718.56 |
| | | *For 1" Mesh Fabric, Add* | *3,656.55* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,353.64* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,462.62* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-731.31* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *924.64* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,344.94* | |
| | | *For Aluminized Steel Gate And Post, Add* | *4,034.81* | |
| | | *For Powder Coated Gate And Post, Add* | *1,765.23* | |
| | | *For Vinyl Coated, Add* | *2,521.76* | |
| 32 31 13 13-0652 | EA | 8' High x 25' Wide Galvanized Cantilever Sliding Gate | 15,752.94 | 2,164.12 |
| | | *For 1" Mesh Fabric, Add* | *4,969.74* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *3,198.92* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,987.90* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-993.95* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,256.72* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,827.95* | |
| | | *For Aluminized Steel Gate And Post, Add* | *5,483.86* | |
| | | *For Powder Coated Gate And Post, Add* | *2,399.19* | |
| | | *For Vinyl Coated, Add* | *3,427.41* | |
| 32 31 13 13-0653 | EA | 8' High x 30' Wide Galvanized Cantilever Sliding Gate | 17,699.18 | 2,546.02 |
| | | *For 1" Mesh Fabric, Add* | *5,484.11* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *3,530.00* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *2,193.64* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1,096.82* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,386.79* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *2,017.14* | |
| | | *For Aluminized Steel Gate And Post, Add* | *6,051.43* | |
| | | *For Powder Coated Gate And Post, Add* | *2,647.50* | |
| | | *For Vinyl Coated, Add* | *3,782.14* | |
| 32 31 13 13-0654 | EA | 8' High x 36' Wide Galvanized Cantilever Sliding Gate | 20,729.82 | 2,800.62 |
| | | *For 1" Mesh Fabric, Add* | *6,580.93* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *4,236.00* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *2,632.37* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1,316.19* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,664.14* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *2,420.57* | |
| | | *For Aluminized Steel Gate And Post, Add* | *7,261.71* | |
| | | *For Powder Coated Gate And Post, Add* | *3,177.00* | |
| | | *For Vinyl Coated, Add* | *4,538.57* | |
| 32 31 13 13-0655 | EA | 10' High x 15' Wide Galvanized Cantilever Sliding Gate | 11,453.53 | 1,527.61 |
| | | *For 1" Mesh Fabric, Add* | *3,653.26* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,351.52* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,461.30* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-730.65* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *923.81* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,343.73* | |
| | | *For Aluminized Steel Gate And Post, Add* | *4,031.18* | |
| | | *For Powder Coated Gate And Post, Add* | *1,763.64* | |
| | | *For Vinyl Coated, Add* | *2,519.49* | |
| 32 31 13 13-0656 | EA | 10' High x 20' Wide Galvanized Cantilever Sliding Gate | 13,297.85 | 1,973.16 |
| | | *For 1" Mesh Fabric, Add* | *4,067.91* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,618.42* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,627.16* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-813.58* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,028.67* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,496.24* | |
| | | *For Aluminized Steel Gate And Post, Add* | *4,488.72* | |
| | | *For Powder Coated Gate And Post, Add* | *1,963.82* | |
| | | *For Vinyl Coated, Add* | *2,805.45* | |
| 32 31 13 13-0657 | EA | 10' High x 25' Wide Galvanized Cantilever Sliding Gate | 17,435.63 | 2,291.42 |
| | | *For 1" Mesh Fabric, Add* | *5,590.96* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *3,598.78* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *2,236.39* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1,118.19* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,413.81* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *2,056.45* | |
| | | *For Aluminized Steel Gate And Post, Add* | *6,169.34* | |
| | | *For Powder Coated Gate And Post, Add* | *2,699.09* | |
| | | *For Vinyl Coated, Add* | *3,855.84* | |
| 32 31 13 13-0658 | EA | 10' High x 30' Wide Galvanized Cantilever Sliding Gate | 19,529.67 | 2,673.33 |
| | | *For 1" Mesh Fabric, Add* | *6,169.62* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *3,971.25* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *2,467.85* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1,233.92* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,560.13* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *2,269.28* | |
| | | *For Aluminized Steel Gate And Post, Add* | *6,807.85* | |
| | | *For Powder Coated Gate And Post, Add* | *2,978.44* | |
| | | *For Vinyl Coated, Add* | *4,254.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0659 | EA | 10' High x 36' Wide Galvanized Cantilever Sliding Gate | 22,875.49 | 2,927.93 |
| | | *For 1" Mesh Fabric, Add* | *7,403.54* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *4,765.50* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *2,961.42* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1,480.71* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,872.16* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *2,723.14* | |
| | | *For Aluminized Steel Gate And Post, Add* | *8,169.43* | |
| | | *For Powder Coated Gate And Post, Add* | *3,574.12* | |
| | | *For Vinyl Coated, Add* | *5,105.89* | |
| 32 31 13 13-0660 | EA | 12' High x 15' Wide Galvanized Cantilever Sliding Gate | 13,515.09 | 1,718.56 |
| | | *For 1" Mesh Fabric, Add* | *4,383.91* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *2,821.83* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,753.57* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-876.78* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,108.58* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,612.47* | |
| | | *For Aluminized Steel Gate And Post, Add* | *4,837.42* | |
| | | *For Powder Coated Gate And Post, Add* | *2,116.37* | |
| | | *For Vinyl Coated, Add* | *3,023.39* | |
| 32 31 13 13-0661 | EA | 12' High x 20' Wide Galvanized Cantilever Sliding Gate | 15,676.14 | 2,164.12 |
| | | *For 1" Mesh Fabric, Add* | *4,936.34* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *3,177.41* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *1,974.53* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-987.27* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,248.27* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *1,815.66* | |
| | | *For Aluminized Steel Gate And Post, Add* | *5,446.99* | |
| | | *For Powder Coated Gate And Post, Add* | *2,383.06* | |
| | | *For Vinyl Coated, Add* | *3,404.37* | |
| 32 31 13 13-0662 | EA | 12' High x 25' Wide Galvanized Cantilever Sliding Gate | 20,388.09 | 2,482.37 |
| | | *For 1" Mesh Fabric, Add* | *6,709.15* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *4,318.54* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *2,683.66* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1,341.83* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,696.57* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *2,467.73* | |
| | | *For Aluminized Steel Gate And Post, Add* | *7,403.20* | |
| | | *For Powder Coated Gate And Post, Add* | *3,238.90* | |
| | | *For Vinyl Coated, Add* | *4,627.00* | |
| 32 31 13 13-0663 | EA | 12' High x 30' Wide Galvanized Cantilever Sliding Gate | 22,620.89 | 2,800.62 |
| | | *For 1" Mesh Fabric, Add* | *7,403.54* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *4,765.50* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *2,961.42* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1,480.71* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *1,872.16* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *2,723.14* | |
| | | *For Aluminized Steel Gate And Post, Add* | *8,169.43* | |
| | | *For Powder Coated Gate And Post, Add* | *3,574.12* | |
| | | *For Vinyl Coated, Add* | *5,105.89* | |
| 32 31 13 13-0664 | EA | 12' High x 36' Wide Galvanized Cantilever Sliding Gate | 25,651.51 | 3,055.23 |
| | | *For 1" Mesh Fabric, Add* | *8,500.36* | |
| | | *For 1-1/4" Mesh Fabric, Add* | *5,471.50* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *3,400.14* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-1,700.07* | |
| | | *For Gate With Single Barb Wire Arm, Add* | *2,149.52* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *3,126.57* | |
| | | *For Aluminized Steel Gate And Post, Add* | *9,379.71* | |
| | | *For Powder Coated Gate And Post, Add* | *4,103.62* | |
| | | *For Vinyl Coated, Add* | *5,862.32* | |

## 32 31 13 13-0665 Sliding Cantilever Gate, Double Track, Manually Operated Exposed Roller

*(32 31 13 13-0286)*

Note: Includes 4" posts, caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, upper and lower tracks, track brackets, metal track rollers with brackets for rails, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0666 | EA | 6' High x 32' Wide Galvanized Cantilever Sliding Gate, Double Track | 23,000.14 | 2,673.33 |
| | | *For Gate With Single Barb Wire Arm, Add* | *2,081.92* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *3,028.24* | |
| | | *For Aluminized Steel Gate And Post, Add* | *9,084.72* | |
| | | *For Powder Coated Gate And Post, Add* | *3,974.57* | |
| | | *For Vinyl Coated, Add* | *5,677.95* | |
| 32 31 13 13-0667 | EA | 6' High x 36' Wide Galvanized Cantilever Sliding Gate, Double Track | 25,141.16 | 2,227.77 |
| | | *For Gate With Single Barb Wire Arm, Add* | *2,275.42* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *3,309.70* | |
| | | *For Aluminized Steel Gate And Post, Add* | *9,929.10* | |
| | | *For Powder Coated Gate And Post, Add* | *4,343.98* | |
| | | *For Vinyl Coated, Add* | *6,205.69* | |
| 32 31 13 13-0668 | EA | 6' High x 40' Wide Galvanized Cantilever Sliding Gate, Double Track | 33,494.66 | 2,673.33 |
| | | *For Gate With Single Barb Wire Arm, Add* | *3,096.28* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *4,503.68* | |
| | | *For Aluminized Steel Gate And Post, Add* | *13,511.05* | |
| | | *For Powder Coated Gate And Post, Add* | *5,911.08* | |
| | | *For Vinyl Coated, Add* | *8,444.41* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0669 | EA | 8' High x 32' Wide Galvanized Cantilever Sliding Gate, Double Track | 28,058.45 | 2,673.33 |
| | | *For Gate With Single Barb Wire Arm, Add* | *2,498.30* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *3,633.89* | |
| | | *For Aluminized Steel Gate And Post, Add* | *10,901.67* | |
| | | *For Powder Coated Gate And Post, Add* | *4,769.48* | |
| | | *For Vinyl Coated, Add* | *6,813.54* | |
| 32 31 13 13-0670 | EA | 8' High x 36' Wide Galvanized Cantilever Sliding Gate, Double Track | 30,678.59 | 2,927.93 |
| | | *For Gate With Single Barb Wire Arm, Add* | *2,730.50* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *3,971.64* | |
| | | *For Aluminized Steel Gate And Post, Add* | *11,914.92* | |
| | | *For Powder Coated Gate And Post, Add* | *5,212.78* | |
| | | *For Vinyl Coated, Add* | *7,446.82* | |
| 32 31 13 13-0671 | EA | 8' High x 40' Wide Galvanized Cantilever Sliding Gate, Double Track | 34,513.07 | 3,182.53 |
| | | *For Gate With Single Barb Wire Arm, Add* | *3,096.28* | |
| | | *For Gate With Double Barb Wire Arm, Add* | *4,503.68* | |
| | | *For Aluminized Steel Gate And Post, Add* | *13,511.05* | |
| | | *For Powder Coated Gate And Post, Add* | *5,911.08* | |
| | | *For Vinyl Coated, Add* | *8,444.41* | |

## 32 31 13 13-0672 Gate Accessories *(32 31 13 13-0286)*

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0673 | EA | 3" Wheel Diameter, 1" Wheel Width, Black Rubber, Spring-loaded Gate Caster<br>Note: 100 Lb. max weight capacity | 61.58 | 13.79 |
| 32 31 13 13-0674 | EA | 4" Wheel Diameter, 1-1/4" Wheel Width, Black Rubber, Spring-loaded Gate Caster<br>Note: 225 Lb. max weight capacity | 71.83 | 13.79 |
| 32 31 13 13-0675 | EA | 6" Wheel Diameter, 2" Wheel Width, Black Rubber, Spring-loaded Gate Caster<br>Note: 550 Lb. max weight capacity | 137.67 | 13.79 |
| 32 31 13 13-0676 | EA | Gate Center Stop, Cast Steel, Ground | 43.47 | |
| 32 31 13 13-0677 | EA | Gate Latch, Malleable Galvanized Steel | 57.16 | |
| 32 31 13 13-0678 | EA | Gate Keeper, Full Length, Galvanized Steel | 262.99 | |
| 32 31 13 13-0679 | EA | Gate Keeper Hold-Open For Cantilever Gate | 110.71 | 20.90 |
| 32 31 13 13-0680 | EA | Heavy-Duty Gate Latch, Malleable Galvanized Steel | 63.01 | |
| 32 31 13 13-0681 | EA | Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate | 1,142.50 | |
| 32 31 13 13-0682 | EA | Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate | 1,224.77 | |
| 32 31 13 13-0683 | EA | Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate | 1,307.04 | |
| 32 31 13 13-0684 | LF | Aluminum V-Groove Gate Track | 61.42 | 12.10 |
| 32 31 13 13-0685 | LF | Galvanized Steel V-Groove Gate Track | 46.16 | 12.10 |

## 32 31 13 13-0686 Vertical-Pivot Lift Gate *(32 31 13 13-0286)*

Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.

| | | | | |
|---|---|---|---|---|
| 32 31 13 13-0687 | EA | 5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate | 25,529.88 | 954.76 |
| | | *For Curb Notch, Add* | *239.00* | |
| | | *For Prewired Loop Kit, Add* | *245.00* | |
| 32 31 13 13-0688 | EA | 5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate | 25,911.78 | 1,145.71 |
| | | *For Curb Notch, Add* | *239.00* | |
| | | *For Prewired Loop Kit, Add* | *245.00* | |
| 32 31 13 13-0689 | EA | 5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate | 26,293.69 | 1,336.66 |
| | | *For Curb Notch, Add* | *239.00* | |
| | | *For Prewired Loop Kit, Add* | *245.00* | |
| | | *For Wind Bracing, Add* | *287.50* | |
| 32 31 13 13-0690 | EA | 5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate | 26,971.77 | 1,527.61 |
| | | *For Curb Notch, Add* | *239.00* | |
| | | *For Prewired Loop Kit, Add* | *245.00* | |
| | | *For Wind Bracing, Add* | *317.50* | |
| 32 31 13 13-0691 | EA | 5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate | 27,635.04 | 1,718.56 |
| | | *For Curb Notch, Add* | *239.00* | |
| | | *For Prewired Loop Kit, Add* | *245.00* | |
| | | *For Wind Bracing, Add* | *317.50* | |
| 32 31 13 13-0692 | EA | 6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate | 26,680.28 | 1,241.18 |
| | | *For Curb Notch, Add* | *239.00* | |
| | | *For Prewired Loop Kit, Add* | *245.00* | |
| 32 31 13 13-0693 | EA | 6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate | 27,062.19 | 1,432.13 |
| | | *For Curb Notch, Add* | *239.00* | |
| | | *For Prewired Loop Kit, Add* | *245.00* | |
| 32 31 13 13-0694 | EA | 6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate | 27,444.08 | 1,623.09 |
| | | *For Curb Notch, Add* | *239.00* | |
| | | *For Prewired Loop Kit, Add* | *245.00* | |
| | | *For Wind Bracing, Add* | *287.50* | |
| 32 31 13 13-0695 | EA | 6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate | 27,988.88 | 1,814.04 |
| | | *For Curb Notch, Add* | *239.00* | |
| | | *For Prewired Loop Kit, Add* | *245.00* | |
| | | *For Wind Bracing, Add* | *317.50* | |
| 32 31 13 13-0696 | EA | 6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate | 28,785.44 | 2,004.99 |
| | | *For Curb Notch, Add* | *239.00* | |
| | | *For Prewired Loop Kit, Add* | *245.00* | |
| | | *For Wind Bracing, Add* | *317.50* | |

## 32 31 13 13-0697 Accessories *(32 31 13 13)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **32 31 13 13-0698** | | **Barbed And Concertina Wire** *(32 31 13 13-0697)* | | |
| **32 31 13 13-0699** | | **Single Strand Barbed Wire** *(32 31 13 13-0698)* | | |
| 32 31 13 13-0700 | LF | 12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand<br>Note: Includes clips. 4 points 12-1/2 Gauge, Class I. | 1.23 | 0.55 |
| | | *For >500 To 2,000, Deduct* | *-0.06* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.09* | |
| 32 31 13 13-0701 | LF | 12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand | 1.27 | 0.55 |
| | | *For >500 To 2,000, Deduct* | *-0.06* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.09* | |
| 32 31 13 13-0702 | LF | Vinyl Coated Barbed Wire (Fused), Per Strand<br>Note: Includes clips. | 1.36 | 0.55 |
| | | *For >500 To 2,000, Deduct* | *-0.06* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.09* | |
| 32 31 13 13-0703 | EA | Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm Mounted On Top Of Post | 16.45 | 8.80 |
| 32 31 13 13-0704 | EA | Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm Mounted On Top Of Post | 27.60 | 10.56 |
| 32 31 13 13-0705 | EA | Barbed Wire Eye Tops (For Single Strand) Mounted On Top Of Post | 14.10 | 8.80 |
| **32 31 13 13-0706** | | **Galvanized Steel Concertina (Razor) Wire, Single Coil** *(32 31 13 13-0698)* | | |
| 32 31 13 13-0707 | LF | 18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence | 5.77 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-0.49* | |
| | | *For >1,500 To 5,000, Deduct* | *-0.98* | |
| | | *For >5,000, Deduct* | *-1.37* | |
| | | *For Ground Installation, Deduct* | *-0.55* | |
| | | *For Double Coil (Helix), Add* | *4.67* | |
| 32 31 13 13-0708 | LF | 18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence | 8.71 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-0.74* | |
| | | *For >1,500 To 5,000, Deduct* | *-1.47* | |
| | | *For >5,000, Deduct* | *-2.07* | |
| | | *For Ground Installation, Deduct* | *-0.83* | |
| | | *For Double Coil (Helix), Add* | *7.06* | |
| 32 31 13 13-0709 | LF | 18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence | 11.55 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-0.98* | |
| | | *For >1,500 To 5,000, Deduct* | *-1.95* | |
| | | *For >5,000, Deduct* | *-2.75* | |
| | | *For Ground Installation, Deduct* | *-1.10* | |
| | | *For Double Coil (Helix), Add* | *9.35* | |
| 32 31 13 13-0710 | LF | 24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence | 10.05 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-0.81* | |
| | | *For >1,500 To 5,000, Deduct* | *-1.63* | |
| | | *For >5,000, Deduct* | *-2.25* | |
| | | *For Ground Installation, Deduct* | *-0.61* | |
| | | *For Double Coil (Helix), Add* | *8.83* | |
| 32 31 13 13-0711 | LF | 24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence | 15.20 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-1.23* | |
| | | *For >1,500 To 5,000, Deduct* | *-2.46* | |
| | | *For >5,000, Deduct* | *-3.41* | |
| | | *For Ground Installation, Deduct* | *-0.92* | |
| | | *For Double Coil (Helix), Add* | *13.37* | |
| 32 31 13 13-0712 | LF | 24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence | 20.08 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-1.63* | |
| | | *For >1,500 To 5,000, Deduct* | *-3.26* | |
| | | *For >5,000, Deduct* | *-4.50* | |
| | | *For Ground Installation, Deduct* | *-1.22* | |
| | | *For Double Coil (Helix), Add* | *17.65* | |
| 32 31 13 13-0713 | LF | 30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence | 32.61 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-2.51* | |
| | | *For >1,500 To 5,000, Deduct* | *-5.03* | |
| | | *For >5,000, Deduct* | *-6.80* | |
| | | *For Ground Installation, Deduct* | *-0.69* | |
| | | *For Double Coil (Helix), Add* | *31.24* | |
| 32 31 13 13-0714 | LF | 30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence | 49.37 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-3.81* | |
| | | *For >1,500 To 5,000, Deduct* | *-7.61* | |
| | | *For >5,000, Deduct* | *-10.29* | |
| | | *For Ground Installation, Deduct* | *-1.03* | |
| | | *For Double Coil (Helix), Add* | *47.31* | |
| 32 31 13 13-0715 | LF | 30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence | 65.23 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-5.03* | |
| | | *For >1,500 To 5,000, Deduct* | *-10.06* | |
| | | *For >5,000, Deduct* | *-13.60* | |
| | | *For Ground Installation, Deduct* | *-1.38* | |
| | | *For Double Coil (Helix), Add* | *62.48* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0716 | | Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0698)* | | |
| 32 31 13 13-0717 | LF | 18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence | 10.90 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-0.87* | |
| | | *For >1,500 To 5,000, Deduct* | *-1.75* | |
| | | *For >5,000, Deduct* | *-2.40* | |
| | | *For Ground Installation, Deduct* | *-0.55* | |
| | | *For Double Coil (Helix), Add* | *9.80* | |
| 32 31 13 13-0718 | LF | 18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence | 16.48 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-1.32* | |
| | | *For >1,500 To 5,000, Deduct* | *-2.64* | |
| | | *For >5,000, Deduct* | *-3.63* | |
| | | *For Ground Installation, Deduct* | *-0.83* | |
| | | *For Double Coil (Helix), Add* | *14.83* | |
| 32 31 13 13-0719 | LF | 18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence | 21.80 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-1.75* | |
| | | *For >1,500 To 5,000, Deduct* | *-3.49* | |
| | | *For >5,000, Deduct* | *-4.80* | |
| | | *For Ground Installation, Deduct* | *-1.10* | |
| | | *For Double Coil (Helix), Add* | *19.60* | |
| 32 31 13 13-0720 | LF | 24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence | 14.40 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-1.14* | |
| | | *For >1,500 To 5,000, Deduct* | *-2.28* | |
| | | *For >5,000, Deduct* | *-3.12* | |
| | | *For Ground Installation, Deduct* | *-0.61* | |
| | | *For Double Coil (Helix), Add* | *13.18* | |
| 32 31 13 13-0721 | LF | 24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence | 21.79 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-1.73* | |
| | | *For >1,500 To 5,000, Deduct* | *-3.45* | |
| | | *For >5,000, Deduct* | *-4.73* | |
| | | *For Ground Installation, Deduct* | *-0.92* | |
| | | *For Double Coil (Helix), Add* | *19.96* | |
| 32 31 13 13-0722 | LF | 24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence | 28.78 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-2.28* | |
| | | *For >1,500 To 5,000, Deduct* | *-4.56* | |
| | | *For >5,000, Deduct* | *-6.24* | |
| | | *For Ground Installation, Deduct* | *-1.22* | |
| | | *For Double Coil (Helix), Add* | *26.35* | |
| 32 31 13 13-0723 | LF | 30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence | 49.07 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-3.75* | |
| | | *For >1,500 To 5,000, Deduct* | *-7.50* | |
| | | *For >5,000, Deduct* | *-10.09* | |
| | | *For Ground Installation, Deduct* | *-0.69* | |
| | | *For Double Coil (Helix), Add* | *47.70* | |
| 32 31 13 13-0724 | LF | 30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence | 74.32 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-5.68* | |
| | | *For >1,500 To 5,000, Deduct* | *-11.35* | |
| | | *For >5,000, Deduct* | *-15.28* | |
| | | *For Ground Installation, Deduct* | *-1.03* | |
| | | *For Double Coil (Helix), Add* | *72.26* | |
| 32 31 13 13-0725 | LF | 30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence | 98.15 | 0.77 |
| | | *For >500 To 1,500, Deduct* | *-7.50* | |
| | | *For >1,500 To 5,000, Deduct* | *-15.00* | |
| | | *For >5,000, Deduct* | *-20.18* | |
| | | *For Ground Installation, Deduct* | *-1.38* | |
| | | *For Double Coil (Helix), Add* | *95.40* | |
| 32 31 13 13-0726 | | Grounding For Gates *(32 31 13 13-0697)* | | |
| | | Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire. | | |
| 32 31 13 13-0727 | OPNG | Grounding For Gates (Per Opening) | 496.20 | |
| 32 31 13 13-0728 | | Coiled Spring Reinforcing Wire *(32 31 13 13-0697)* | | |
| 32 31 13 13-0729 | | Galvanized Steel *(32 31 13 13-0728)* | | |
| 32 31 13 13-0730 | LF | 7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring | 1.31 | 0.55 |
| 32 31 13 13-0731 | | Vinyl Coated Steel *(32 31 13 13-0728)* | | |
| 32 31 13 13-0732 | LF | 9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring | 1.30 | 0.55 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **32 31 13 13-0733** | | **Bending Of Fabric Around Pipe Railings** *(32 31 13 13-0697)* | | |
| | | Note: Only where specified. | | |
| 32 31 13 13-0734 | LF | Bend Chain Link Fence Fabric Around Pipe Railing, Top | 1.78 | |
| 32 31 13 13-0735 | LF | Bend Chain Link Fence Fabric Around Pipe Railing, Bottom | 1.55 | |
| **32 31 13 13-0736** | | **Mounting Plate With Anchors Or Bolts** *(32 31 13 13-0697)* | | |
| | | Note: For drilling for anchor or bolts, installing post on or against flat surface. | | |
| 32 31 13 13-0737 | EA | Mounting Plate For 1-5/8" Diameter Post | 49.37 | |
| 32 31 13 13-0738 | EA | Mounting Plate For 2" Diameter Post | 50.17 | |
| 32 31 13 13-0739 | EA | Mounting Plate For 2-1/2" Diameter Post | 51.60 | |
| 32 31 13 13-0740 | EA | Mounting Plate For 3" Diameter Post | 62.12 | |
| 32 31 13 13-0741 | EA | Mounting Plate For 4" Diameter Post | 71.40 | |
| 32 31 13 13-0742 | EA | Mounting Plate For 6-5/8" Diameter Post | 82.68 | |
| 32 31 13 13-0743 | EA | Mounting Plate For 8-5/8" Diameter Post | 97.45 | |
| **32 31 13 13-0744** | | **Tension Bar** *(32 31 13 13-0697)* | | |
| 32 31 13 13-0745 | EA | 3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar | 17.45 | |
| 32 31 13 13-0746 | EA | 3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar | 18.56 | |
| 32 31 13 13-0747 | EA | 4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar | 22.70 | |
| 32 31 13 13-0748 | EA | 5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar | 26.24 | |
| 32 31 13 13-0749 | EA | 6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar | 30.90 | |
| 32 31 13 13-0750 | EA | 7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar | 35.74 | |
| 32 31 13 13-0751 | EA | 8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar | 40.38 | |
| 32 31 13 13-0752 | EA | 9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar | 48.32 | |
| 32 31 13 13-0753 | EA | 10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar | 57.80 | |
| **32 31 13 13-0754** | | **Truss Rods** *(32 31 13 13-0697)* | | |
| 32 31 13 13-0755 | LF | 3/8" Diameter Truss Rods | 2.38 | 0.63 |
| **32 31 13 13-0756** | | **Fence And Gate Repair And Replacement** *(32 31 13 13)* | | |
| **32 31 13 13-0757** | | **Fence And Gate Parts Replacement** *(32 31 13 13-0756)* | | |
| 32 31 13 13-0758 | EA | Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement | 134.58 | |
| 32 31 13 13-0759 | EA | Sliding Gate Roller Assembly Replacement | 132.62 | |
| 32 31 13 13-0760 | EA | Rod And Lock Gate Keeper Replacement | 133.54 | |
| 32 31 13 13-0761 | EA | Galvanized Gate Holdback Replacement | 30.50 | |
| 32 31 13 13-0762 | LF | 3/8" Cross Bracing Rod Replacement | 1.74 | |
| 32 31 13 13-0763 | LF | 1-5/8" Diagonal Pipe Bracing Replacement | 2.70 | |
| 32 31 13 13-0764 | EA | 2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement | 29.28 | |
| 32 31 13 13-0765 | EA | 2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement | 33.51 | |
| 32 31 13 13-0766 | EA | 3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement | 37.84 | |
| 32 31 13 13-0767 | EA | 4-1/2" To 5" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement<br>Note: 180 degree commercial malleable | 40.96 | |
| 32 31 13 13-0768 | EA | 5-9/16" To 6" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement<br>Note: 180 degree commercial malleable | 48.76 | |
| 32 31 13 13-0769 | EA | 6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement | 56.06 | |
| 32 31 13 13-0770 | EA | 8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement | 109.43 | |
| 32 31 13 13-0771 | EA | 2-1/2" x 2" Off Set Gate Hinge Replacement | 28.25 | |
| 32 31 13 13-0772 | EA | 3" x 2" Off Set Gate Hinge Replacement | 29.49 | |
| 32 31 13 13-0773 | EA | 4" x 2" Off Set Gate Hinge Replacement | 31.49 | |
| 32 31 13 13-0774 | EA | 6-5/8" x 2" Off Set Gate Hinge Replacement | 50.72 | |
| 32 31 13 13-0775 | EA | 8-5/8" x 2" Off Set Gate Hinge Replacement | 79.17 | |
| 32 31 13 13-0776 | EA | 1-5/8" Aluminum Die-Cast Post Cap Replacement | 6.47 | |
| 32 31 13 13-0777 | EA | 2" Aluminum Die-Cast Post Cap Replacement | 7.10 | |
| 32 31 13 13-0778 | EA | 2-1/2" Aluminum Die-Cast Post Cap Replacement | 8.29 | |
| 32 31 13 13-0779 | EA | 3" Aluminum Die-Cast Post Cap Replacement | 9.66 | |
| 32 31 13 13-0780 | EA | 2" Galvanized Post Cap Replacement | 7.14 | |
| 32 31 13 13-0781 | EA | 2-1/2" Galvanized Post Cap Replacement | 7.74 | |
| 32 31 13 13-0782 | EA | 3" Galvanized Post Cap Replacement | 8.86 | |
| 32 31 13 13-0783 | EA | 4" Galvanized Post Cap Replacement | 12.97 | |
| 32 31 13 13-0784 | EA | 6-5/8" Galvanized Post Cap Replacement | 23.90 | |
| 32 31 13 13-0785 | EA | 8-5/8" Galvanized Post Cap Replacement | 38.99 | |
| 32 31 13 13-0786 | EA | 1-5/8" Boulevard Clamp Replacement | 11.97 | |
| 32 31 13 13-0787 | EA | 2" Boulevard Clamp Replacement | 14.58 | |
| 32 31 13 13-0788 | EA | 2-1/2" Boulevard Clamp Replacement | 17.11 | |
| 32 31 13 13-0789 | EA | 3" Boulevard Clamp Replacement | 20.77 | |
| 32 31 13 13-0790 | EA | 1-5/8" Gate Brace Or End Rail Clamp Replacement | 11.75 | |
| 32 31 13 13-0791 | EA | 2" Gate Brace Or End Rail Clamp Replacement | 14.27 | |
| 32 31 13 13-0792 | EA | 2-1/2" Gate Brace Or End Rail Clamp Replacement | 16.81 | |
| 32 31 13 13-0793 | EA | 3" Gate Brace Or End Rail Clamp Replacement | 20.45 | |
| 32 31 13 13-0794 | EA | 1-3/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement | 11.96 | |
| 32 31 13 13-0795 | EA | 1-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement | 12.06 | |
| 32 31 13 13-0796 | EA | 2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement | 12.32 | |
| 32 31 13 13-0797 | EA | 2-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement | 12.20 | |
| 32 31 13 13-0798 | EA | 3" Heavy-Duty Galvanized Tension Band With Bolt, Replacement | 12.40 | |
| 32 31 13 13-0799 | EA | 3-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement | 12.56 | |
| 32 31 13 13-0800 | EA | 4" Heavy-Duty Galvanized Tension Band With Bolt, Replacement | 13.03 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 13-0801 | EA | 6-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement | 16.46 | |
| 32 31 13 13-0802 | EA | 6" x 6" Wheel, Roller Gate Wheel Carrier, Replacement | 81.24 | |
| 32 31 13 13-0803 | EA | 8" x 6" Wheel, Roller Gate Wheel Carrier, Replacement | 92.04 | |
| 32 31 13 13-0804 | EA | 12" x 8" Wheel, Roller Gate Wheel Carrier, Replacement | 108.24 | |
| 32 31 13 13-0805 | EA | Heavy Malleable Cast Rolling Gate Track Wheel, Replacement | 83.94 | |
| 32 31 13 13-0806 | | **Removal And Reinstallation Of Chain Link Fences** *(32 31 13 13)*<br>Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0058 for new fence posts where required. | | |
| 32 31 13 13-0807 | LF | Removal And Reinstallation Of Chain Link Fence Up To 5' Height | 22.01 | |
| 32 31 13 13-0808 | LF | Removal And Reinstallation Of Chain Link Fence 6' To 12' Height | 33.01 | |
| 32 31 13 13-0809 | | **Decorative Privacy Fence** *(32 31 13 13)*<br>Note: Includes fastener clips | | |
| 32 31 13 13-0810 | LF | 59", Faux Ivy Leaf Decorative Privacy Fence<br>Note: Includes faux Ivy leaves closely attached to the mesh screen. Applied to fence, railing or wall | 17.47 | 2.15 |
| 32 31 13 13-0811 | | **Ballfield Fencing** *(32 31 13 13)*<br>See CSI section 32 31 13 13-0001 for auguring holes and concrete. | | |
| 32 31 13 13-0812 | | **Concrete Bases For Ballfield Poles, Cast In Place** *(32 31 13 13-0811)*<br>Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. | | |
| 32 31 13 13-0813 | VLF | 2-1/2' Diameter Concrete Base For Ballfield Poles | 138.32 | |
| 32 31 13 13-0814 | VLF | 3' Diameter Concrete Base For Ballfield Poles | 164.09 | |
| 32 31 13 13-0815 | VLF | 3-1/2' Diameter Concrete Base For Ballfield Poles | 206.81 | |
| 32 31 13 13-0816 | VLF | 4' Diameter Concrete Base For Ballfield Poles | 245.20 | |
| 32 31 13 13-0817 | | **Ballfield Poles** *(32 31 13 13-0811)* | | |
| 32 31 13 13-0818 | EA | 20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting<br>Note: 10' above grade | 8,325.76 | 696.93 |
| 32 31 13 13-0819 | EA | 25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting<br>Note: 15' above grade | 10,327.60 | 871.16 |
| 32 31 13 13-0820 | EA | 30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting<br>Note: 20' above grade | 11,867.77 | 1,045.39 |
| 32 31 13 13-0821 | EA | 40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting<br>Note: 30' above grade | 15,961.93 | 1,219.62 |
| 32 31 13 13-0822 | EA | 50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting<br>Note: 40' above grade | 21,400.16 | 1,393.85 |
| 32 31 13 13-0823 | EA | 60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting<br>Note: 50' above grade | 23,913.71 | 1,568.08 |
| 32 31 13 13-0824 | | **Ballfield Nylon Netting** *(32 31 13 13-0811)*<br>Note: Excludes fastening clips and cabeling | | |
| 32 31 13 13-0825 | LF | 10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting | 1.73 | |
| 32 31 13 13-0826 | LF | 10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting | 1.77 | |
| 32 31 13 13-0827 | LF | 10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting | 2.00 | |
| 32 31 13 13-0828 | LF | 10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting | 2.25 | |
| 32 31 13 13-0829 | LF | 10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting | 2.50 | |
| 32 31 13 13-0830 | LF | 10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting | 3.35 | |
| 32 31 13 13-0831 | LF | 10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting | 3.81 | |
| 32 31 13 13-0832 | LF | 10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting | 4.95 | |
| 32 31 13 13-0833 | | **Ballfield Chainlink Netting** *(32 31 13 13-0811)*<br>Note: Excludes fastening clips and cabeling | | |
| 32 31 13 13-0834 | SF | #9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting | 3.62 | 1.18 |
| | | *For 13 Gauge Fabric, Deduct* | *-0.58* | |
| | | *For 11 Gauge Fabric, Deduct* | *-0.32* | |
| | | *For 6 Gauge Fabric, Add* | *1.02* | |
| | | *For 1" Mesh Fabric, Add* | *0.96* | |
| | | *For 1-3/4" Mesh Fabric, Add* | *0.38* | |
| | | *For 2-1/8" Mesh Fabric, Deduct* | *-0.19* | |
| | | *For 2-3/8" Mesh Fabric, Deduct* | *-0.26* | |
| 32 31 13 13-0835 | | **Ballfield Netting Accessories** *(32 31 13 13-0811)* | | |
| 32 31 13 13-0836 | EA | Sliding Clip For Ballfield Netting | 8.44 | |
| 32 31 13 13-0837 | EA | 1/4" Utility Spring Swing Clip For Ballfield Netting | 3.75 | |
| 32 31 13 13-0838 | EA | 5/16" Utility Spring Swing Clip For Ballfield Netting | 3.95 | |
| 32 31 13 13-0839 | EA | 3/8" Utility Spring Swing Clip For Ballfield Netting | 4.26 | |
| **32 31 13 33** | | **Chain Link Backstops** *(32 31 13)* | | |
| 32 31 13 33-0001 | | **Regulation Baseball Backstop** *(32 31 13 33)*<br>See CSI section 32 31 13 13-0001 for auguring holes and concrete. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 13 33-0002 | EA | 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized | 13,478.18 | 2,250.38 |
| 32 31 13 33-0003 | EA | 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized | 19,428.17 | 3,000.50 |
| 32 31 13 33-0004 | EA | 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized | 24,741.66 | 3,500.59 |
| 32 31 13 33-0005 | EA | 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated | 18,866.74 | 2,250.38 |
| 32 31 13 33-0006 | EA | 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated | 27,491.16 | 3,000.50 |
| 32 31 13 33-0007 | EA | 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated | 35,382.03 | 3,500.59 |
| 32 31 13 33-0008 | SF | 2" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop | 15.22 | |
| 32 31 13 33-0009 | SF | 3" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop | 18.15 | |

### 32 31 13 33-0010 Regulation Softball Backstop *(32 31 13 33)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

### 32 31 13 33-0011 14' High Softball Backstop *(32 31 13 33-0010)*

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

| | | | | |
|---|---|---|---|---|
| 32 31 13 33-0012 | EA | 14' Softball Backstop, Galvanized Regulation | 11,361.12 | 2,213.89 |
| 32 31 13 33-0013 | EA | 14' Softball Backstop, Vinyl Coated Regulation | 15,225.88 | 2,213.89 |

### 32 31 13 33-0014 18' High Softball Backstop *(32 31 13 33-0010)*

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

| | | | | |
|---|---|---|---|---|
| 32 31 13 33-0015 | EA | 18' Softball Backstop, Galvanized Regulation | 13,261.29 | 2,461.24 |
| 32 31 13 33-0016 | EA | 18' Softball Backstop Vinyl Coated Regulation | 17,936.40 | 2,461.24 |

### 32 31 13 33-0017 20' High Softball Backstop *(32 31 13 33-0010)*

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

| | | | | |
|---|---|---|---|---|
| 32 31 13 33-0018 | EA | 20' Softball Backstop, Galvanized Regulation | 15,013.09 | 2,595.03 |
| 32 31 13 33-0019 | EA | 20' Softball Backstop, Vinyl Coated Regulation | 20,560.95 | 2,595.03 |

### 32 31 13 33-0020 22' High Softball Backstop *(32 31 13 33-0010)*

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

| | | | | |
|---|---|---|---|---|
| 32 31 13 33-0021 | EA | 22' Softball Backstop, Galvanized Regulation | 17,288.56 | 2,673.33 |
| 32 31 13 33-0022 | EA | 22' Softball Backstop, Vinyl Coated Regulation | 23,958.39 | 2,673.33 |

### 32 31 13 33-0023 24' High Softball Backstop *(32 31 13 33-0010)*

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

| | | | | |
|---|---|---|---|---|
| 32 31 13 33-0024 | EA | 24' Softball Backstop, Galvanized Regulation | 20,570.94 | 3,055.23 |
| 32 31 13 33-0025 | EA | 24' Softball Backstop, Vinyl Coated Regulation | 28,861.47 | 3,055.23 |

## 32 31 16 Welded Wire Fences and Gates *(32 31)*

### 32 31 16 00-0001 Welded Wire Fence *(32 31 16)*

### 32 31 16 00-0002 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh *(32 31 16 00-0001)*

Note: Posts 5' on center.

| | | | | |
|---|---|---|---|---|
| 32 31 16 00-0003 | LF | 3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5' | 10.94 | 2.00 |
| 32 31 16 00-0004 | LF | 5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5' | 11.74 | 2.00 |

### 32 31 16 00-0005 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh *(32 31 16 00-0001)*

Note: Posts 5' on center.

| | | | | |
|---|---|---|---|---|
| 32 31 16 00-0006 | LF | 3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5' | 10.78 | 2.00 |
| 32 31 16 00-0007 | LF | 5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5' | 11.49 | 2.00 |

### 32 31 16 00-0008 Welded Galvanized Perforated Wired Metal Screen Panel *(32 31 16)*

### 32 31 16 00-0009 16 Gauge Welded Galvanized Perforated Wired Metal Screen Panel *(32 31 16 00-0008)*

| | | | | |
|---|---|---|---|---|
| 32 31 16 00-0010 | EA | 7' High x 30' Wide, 16 Gauge Welded Galvanized Perforated Wired Metal Screen Panel<br>Note: 40% Open Area | 10,298.97 | 1,160.99 |

### 32 31 16 00-0011 Galvanized Steel Welded Wire Fence Assemblies *(32 31 16)*

### 32 31 16 00-0012 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assemblies *(32 31 16 00-0011)*

Note: Posts 8' on center.

| | | | | |
|---|---|---|---|---|
| 32 31 16 00-0013 | LF | 48" Height, 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assembly<br>Note: 2" Square, 16 Gauge Posts at 8' Centers | 49.29 | 2.00 |
| 32 31 16 00-0014 | LF | 60" Height, 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assembly<br>Note: 2" Square, 16 Gauge Posts at 8' Centers | 58.73 | 2.00 |
| 32 31 16 00-0015 | LF | 72" Height, 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assembly<br>Note: 2" Square, 16 Gauge Posts at 8' Centers | 65.72 | 2.00 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 16 00-0016 | LF | 96" Height, 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assembly<br>Note: 2-1/2" Square, 16 Gauge Posts at 8' Centers | 92.31 | 2.00 |

## 32 31 19 Decorative Metal Fences and Gates *(32 31)*

See CSI section 32 31 13 13-0001 for drilling and grouting.

### 32 31 19 00-0001 Wrought Iron Fence *(32 31 19)*

Note: Factory primed.

### 32 31 19 00-0002 Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center *(32 31 19 00-0001)*

Note: Factory primed 8 foot long panel sections.

| | | | | |
|---|---|---|---|---|
| 32 31 19 00-0003 | LF | 3' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center | 47.16 | 12.10 |
| | | *For 6' Length Fence Panels With Posts Set 6' O.C., Add* | *8.77* | |
| | | *For Verticals Up To 2" On Center, Add* | *7.34* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *4.59* | |
| | | *For Verticals >2-1/2" To 3" On Center, Add* | *1.84* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-2.07* | |
| | | *For Pickets Extending Above Top Rail, Add* | *4.08* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *9.27* | |
| 32 31 19 00-0004 | LF | 4' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center | 60.15 | 15.41 |
| | | *For 6' Length Fence Panels With Posts Set 6' O.C., Add* | *11.10* | |
| | | *For Verticals Up To 2" On Center, Add* | *9.73* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *6.08* | |
| | | *For Verticals >2-1/2" To 3" On Center, Add* | *2.43* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-2.74* | |
| | | *For Pickets Extending Above Top Rail, Add* | *5.29* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *12.12* | |
| 32 31 19 00-0005 | LF | 5' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center | 70.71 | 16.07 |
| | | *For 6' Length Fence Panels With Posts Set 6' O.C., Add* | *12.87* | |
| | | *For Verticals Up To 2" On Center, Add* | *12.28* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *7.67* | |
| | | *For Verticals >2-1/2" To 3" On Center, Add* | *3.07* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-3.45* | |
| | | *For Pickets Extending Above Top Rail, Add* | *6.41* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *14.89* | |
| 32 31 19 00-0006 | LF | 6' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center | 85.52 | 19.37 |
| | | *For 6' Length Fence Panels With Posts Set 6' O.C., Add* | *15.55* | |
| | | *For Verticals Up To 2" On Center, Add* | *14.94* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *9.34* | |
| | | *For Verticals >2-1/2" To 3" On Center, Add* | *3.74* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-4.20* | |
| | | *For Pickets Extending Above Top Rail, Add* | *7.78* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *18.09* | |
| 32 31 19 00-0007 | LF | 7' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center | 99.03 | 20.49 |
| | | *For 6' Length Fence Panels With Posts Set 6' O.C., Add* | *17.72* | |
| | | *For Verticals Up To 2" On Center, Add* | *18.57* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *11.61* | |
| | | *For Verticals >2-1/2" To 3" On Center, Add* | *4.64* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-5.22* | |
| | | *For Pickets Extending Above Top Rail, Add* | *9.30* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *21.94* | |
| 32 31 19 00-0008 | LF | 8' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center | 112.52 | 21.57 |
| | | *For 6' Length Fence Panels With Posts Set 6' O.C., Add* | *19.90* | |
| | | *For Verticals Up To 2" On Center, Add* | *22.20* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *13.88* | |
| | | *For Verticals >2-1/2" To 3" On Center, Add* | *5.55* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-6.25* | |
| | | *For Pickets Extending Above Top Rail, Add* | *10.83* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *25.79* | |
| 32 31 19 00-0009 | LF | 10' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center | 135.82 | 24.21 |
| | | *For 6' Length Fence Panels With Posts Set 6' O.C., Add* | *23.76* | |
| | | *For Verticals Up To 2" On Center, Add* | *27.97* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *17.48* | |
| | | *For Verticals >2-1/2" To 3" On Center, Add* | *6.99* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-7.87* | |
| | | *For Pickets Extending Above Top Rail, Add* | *13.35* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *32.04* | |
| 32 31 19 00-0010 | LF | 12' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center | 159.97 | 27.51 |
| | | *For 6' Length Fence Panels With Posts Set 6' O.C., Add* | *27.85* | |
| | | *For Verticals Up To 2" On Center, Add* | *33.58* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *20.99* | |
| | | *For Verticals >2-1/2" To 3" On Center, Add* | *8.40* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-9.45* | |
| | | *For Pickets Extending Above Top Rail, Add* | *15.87* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *38.24* | |

### 32 31 19 00-0011 Wrought Iron Gates *(32 31 19 00-0001)*

Note: Factory primed.

### 32 31 19 00-0012 Single Wrought Iron Gates *(32 31 19 00-0011)*

Note: Factory primed.

| | | | | |
|---|---|---|---|---|
| 32 31 19 00-0013 | LF | 3' Single Wrought Iron Gate, Hardware And Associated Trim | 57.77 | 14.74 |
| 32 31 19 00-0014 | LF | 4' Single Wrought Iron Gate, Hardware And Associated Trim | 75.77 | 18.27 |
| 32 31 19 00-0015 | LF | 5' Single Wrought Iron Gate, Hardware And Associated Trim | 92.14 | 22.01 |
| 32 31 19 00-0016 | LF | 6' Single Wrought Iron Gate, Hardware And Associated Trim | 111.79 | 26.41 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 19 00-0017 | LF | 8' Single Wrought Iron Gate, Hardware And Associated Trim | 146.93 | 29.26 |
| 32 31 19 00-0018 | LF | 10' Single Wrought Iron Gate, Hardware And Associated Trim | 176.30 | 32.35 |
| 32 31 19 00-0019 | LF | 12' Single Wrought Iron Gate, Hardware And Associated Trim | 205.14 | 36.75 |
| **32 31 19 00-0020** | | **Double Wrought Iron Gates** *(32 31 19 00-0011)* | | |
| | | Note: Factory primed. | | |
| 32 31 19 00-0021 | LF | 3' Double Wrought Iron Gate, Hardware And Associated Trim | 70.33 | 13.20 |
| 32 31 19 00-0022 | LF | 4' Double Wrought Iron Gate, Hardware And Associated Trim | 92.09 | 16.50 |
| 32 31 19 00-0023 | LF | 5' Double Wrought Iron Gate, Hardware And Associated Trim | 111.49 | 19.81 |
| 32 31 19 00-0024 | LF | 6' Double Wrought Iron Gate, Hardware And Associated Trim | 134.83 | 23.77 |
| 32 31 19 00-0025 | LF | 8' Double Wrought Iron Gate, Hardware And Associated Trim | 178.04 | 26.41 |
| 32 31 19 00-0026 | LF | 10' Double Wrought Iron Gate, Hardware And Associated Trim | 213.99 | 29.05 |
| 32 31 19 00-0027 | LF | 12' Double Wrought Iron Gate, Hardware And Associated Trim | 249.50 | 33.01 |
| **32 31 19 00-0028** | | **Repair Or Replace Wrought Iron Fence** *(32 31 19 00-0001)* | | |
| 32 31 19 00-0029 | LF | Removal And Replacement Of Wrought Iron Picket | 20.61 | |
| 32 31 19 00-0030 | LF | Removal And Replacement Of Wrought Iron Post | 30.21 | |
| 32 31 19 00-0031 | EA | Straighten Wrought Iron Post | 88.02 | |
| **32 31 19 00-0032** | | **Steel Tube Fence, Powder Coated** *(32 31 19)* | | |
| | | Note: Pickets are 3/4" square x 16 gauge. | | |
| **32 31 19 00-0033** | | **Steel Tube Fence, 2 Rail** *(32 31 19 00-0032)* | | |
| | | Note: 6 foot long panel sections. | | |
| 32 31 19 00-0034 | LF | 3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts | 79.94 | 12.10 |
| | | *For Verticals Up To 2" On Center, Add* | *11.24* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *5.62* | |
| | | *For Verticals >3" To 4" On Center, Deduct* | *-5.62* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-11.24* | |
| | | *For Pickets Extending Above Top Rail, Add* | *5.96* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *10.49* | |
| | | *For Solid Pickets, Add* | *16.21* | |
| | | *For Aluminum With Satin Finish, Add* | *13.31* | |
| | | *For Third Rail, Add* | *4.22* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *14.06* | |
| | | *For 3" Square Posts, Add* | *7.03* | |
| 32 31 19 00-0035 | LF | 3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts | 85.52 | 12.94 |
| | | *For Verticals Up To 2" On Center, Add* | *11.93* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *5.96* | |
| | | *For Verticals >3" To 4" On Center, Deduct* | *-5.96* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-11.93* | |
| | | *For Pickets Extending Above Top Rail, Add* | *6.36* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *11.19* | |
| | | *For Solid Pickets, Add* | *17.30* | |
| | | *For Aluminum With Satin Finish, Add* | *14.01* | |
| | | *For Third Rail, Add* | *4.47* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *14.91* | |
| | | *For 3" Square Posts, Add* | *7.46* | |
| 32 31 19 00-0036 | LF | 4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts | 90.48 | 14.30 |
| | | *For Verticals Up To 2" On Center, Add* | *12.49* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *6.24* | |
| | | *For Verticals >3" To 4" On Center, Deduct* | *-6.24* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-12.49* | |
| | | *For Pickets Extending Above Top Rail, Add* | *6.71* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *11.78* | |
| | | *For Solid Pickets, Add* | *18.26* | |
| | | *For Aluminum With Satin Finish, Add* | *14.53* | |
| | | *For Third Rail, Add* | *4.68* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *15.61* | |
| | | *For 3" Square Posts, Add* | *7.81* | |
| 32 31 19 00-0037 | LF | 5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts | 96.35 | 16.07 |
| | | *For Verticals Up To 2" On Center, Add* | *12.80* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *6.40* | |
| | | *For Verticals >3" To 4" On Center, Deduct* | *-6.40* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-12.80* | |
| | | *For Pickets Extending Above Top Rail, Add* | *7.06* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *12.35* | |
| | | *For Solid Pickets, Add* | *19.25* | |
| | | *For Aluminum With Satin Finish, Add* | *14.35* | |
| | | *For Third Rail, Add* | *4.80* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *16.00* | |
| | | *For 3" Square Posts, Add* | *8.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 19 00-0038 | LF | 6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts | 111.75 | 18.16 |
| | | *For Verticals Up To 2" On Center, Add* | *15.09* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *7.54* | |
| | | *For Verticals >3" To 4" On Center, Deduct* | *-7.54* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-15.09* | |
| | | *For Pickets Extending Above Top Rail, Add* | *8.23* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *14.42* | |
| | | *For Solid Pickets, Add* | *22.42* | |
| | | *For Aluminum With Satin Finish, Add* | *17.19* | |
| | | *For Third Rail, Add* | *5.66* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *18.86* | |
| | | *For 3" Square Posts, Add* | *9.43* | |
| 32 31 19 00-0039 | LF | 7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts | 128.00 | 19.81 |
| | | *For Verticals Up To 2" On Center, Add* | *17.68* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *8.84* | |
| | | *For Verticals >3" To 4" On Center, Deduct* | *-8.84* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-17.68* | |
| | | *For Pickets Extending Above Top Rail, Add* | *9.49* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *16.67* | |
| | | *For Solid Pickets, Add* | *25.83* | |
| | | *For Aluminum With Satin Finish, Add* | *20.57* | |
| | | *For Third Rail, Add* | *6.63* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *22.10* | |
| | | *For 4" Square Posts, Add* | *30.93* | |
| 32 31 19 00-0040 | LF | 8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts | 144.45 | 21.57 |
| | | *For Verticals Up To 2" On Center, Add* | *20.26* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *10.13* | |
| | | *For Verticals >3" To 4" On Center, Deduct* | *-10.13* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-20.26* | |
| | | *For Pickets Extending Above Top Rail, Add* | *10.77* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *18.94* | |
| | | *For Solid Pickets, Add* | *29.27* | |
| | | *For Aluminum With Satin Finish, Add* | *23.93* | |
| | | *For Third Rail, Add* | *7.60* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *25.33* | |
| | | *For 4" Square Posts, Add* | *35.46* | |
| 32 31 19 00-0041 | LF | 9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts | 168.06 | 23.10 |
| | | *For Verticals Up To 2" On Center, Add* | *24.37* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *12.18* | |
| | | *For Verticals >3" To 4" On Center, Deduct* | *-12.18* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-24.37* | |
| | | *For Pickets Extending Above Top Rail, Add* | *12.67* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *22.35* | |
| | | *For Solid Pickets, Add* | *34.35* | |
| | | *For Aluminum With Satin Finish, Add* | *29.62* | |
| | | *For Third Rail, Add* | *9.14* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *30.46* | |
| | | *For 4" Square Posts, Add* | *42.64* | |
| 32 31 19 00-0042 | LF | 10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts | 191.86 | 24.76 |
| | | *For Verticals Up To 2" On Center, Add* | *28.47* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *14.24* | |
| | | *For Verticals >3" To 4" On Center, Deduct* | *-14.24* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-28.47* | |
| | | *For Pickets Extending Above Top Rail, Add* | *14.58* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *25.78* | |
| | | *For Solid Pickets, Add* | *39.46* | |
| | | *For Aluminum With Satin Finish, Add* | *35.28* | |
| | | *For Third Rail, Add* | *10.68* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *35.59* | |
| | | *For 6" Square Posts, Add* | *49.82* | |
| 32 31 19 00-0043 | LF | 12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts | 226.08 | 27.51 |
| | | *For Verticals Up To 2" On Center, Add* | *34.21* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *17.11* | |
| | | *For Verticals >3" To 4" On Center, Deduct* | *-17.11* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-34.21* | |
| | | *For Pickets Extending Above Top Rail, Add* | *17.29* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *30.64* | |
| | | *For Solid Pickets, Add* | *46.74* | |
| | | *For Aluminum With Satin Finish, Add* | *43.07* | |
| | | *For Third Rail, Add* | *12.83* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *42.77* | |
| | | *For 6" Square Posts, Add* | *59.87* | |
| 32 31 19 00-0044 | LF | 14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts | 242.16 | 29.71 |
| | | *For Verticals Up To 2" On Center, Add* | *36.55* | |
| | | *For Verticals >2" To 2-1/2" On Center, Add* | *18.27* | |
| | | *For Verticals >3" To 4" On Center, Deduct* | *-18.27* | |
| | | *For Verticals >4" To 6" On Center, Deduct* | *-36.55* | |
| | | *For Pickets Extending Above Top Rail, Add* | *18.50* | |
| | | *For Curved Pickets Extending Above Top Rail, Add* | *32.78* | |
| | | *For Solid Pickets, Add* | *50.03* | |
| | | *For Aluminum With Satin Finish, Add* | *45.91* | |
| | | *For Third Rail, Add* | *13.71* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *45.69* | |
| | | *For 6" Square Posts, Add* | *63.96* | |

32 31 19 00-0045 Steel Tube Swing Gates *(32 31 19 00-0032)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **32 31 19 00-0046** | | **3' Fence Height Steel Tube Swing Gates, 2 Rail** *(32 31 19 00-0045)* | | |
| 32 31 19 00-0047 | EA | 3' Wide x 3' High Steel Tube Single Swing Gate | 728.42 | 23.44 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *158.61* | |
| | | *For Aluminum With Satin Finish, Add* | *186.84* | |
| | | *For Third Rail, Add* | *49.35* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *65.80* | |
| 32 31 19 00-0048 | EA | 3'-6" Wide x 3' High Steel Tube Single Swing Gate | 810.18 | 24.54 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *176.76* | |
| | | *For Aluminum With Satin Finish, Add* | *209.88* | |
| | | *For Third Rail, Add* | *55.23* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *73.65* | |
| 32 31 19 00-0049 | EA | 4' Wide x 3' High Steel Tube Single Swing Gate | 896.61 | 25.97 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *195.88* | |
| | | *For Aluminum With Satin Finish, Add* | *233.83* | |
| | | *For Third Rail, Add* | *61.39* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *81.85* | |
| 32 31 19 00-0050 | EA | 5' Wide x 3' High Steel Tube Single Swing Gate | 943.12 | 27.84 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *205.93* | |
| | | *For Aluminum With Satin Finish, Add* | *245.31* | |
| | | *For Third Rail, Add* | *64.46* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *85.95* | |
| 32 31 19 00-0051 | EA | 6' Wide x 3' High Steel Tube Single Swing Gate | 1,054.14 | 33.34 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *229.67* | |
| | | *For Aluminum With Satin Finish, Add* | *271.18* | |
| | | *For Third Rail, Add* | *71.55* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *95.40* | |
| 32 31 19 00-0052 | EA | 7' Wide x 3' High Steel Tube Single Swing Gate | 1,122.35 | 38.84 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *243.78* | |
| | | *For Aluminum With Satin Finish, Add* | *284.22* | |
| | | *For Third Rail, Add* | *75.43* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *100.57* | |
| 32 31 19 00-0053 | EA | 8' Wide x 3' High Steel Tube Single Swing Gate | 1,225.56 | 44.67 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *265.68* | |
| | | *For Aluminum With Satin Finish, Add* | *307.26* | |
| | | *For Third Rail, Add* | *81.85* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *109.13* | |
| 32 31 19 00-0054 | EA | 9' Wide x 3' High Steel Tube Single Swing Gate | 1,315.17 | 50.18 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *284.61* | |
| | | *For Aluminum With Satin Finish, Add* | *326.72* | |
| | | *For Third Rail, Add* | *87.33* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *116.44* | |
| 32 31 19 00-0055 | EA | 10' Wide x 3' High Steel Tube Single Swing Gate | 1,394.09 | 55.67 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *301.13* | |
| | | *For Aluminum With Satin Finish, Add* | *342.96* | |
| | | *For Third Rail, Add* | *92.01* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *122.68* | |
| 32 31 19 00-0056 | EA | 6' Wide x 3' High Steel Tube Double Swing Gate | 1,522.64 | 46.87 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *332.03* | |
| | | *For Aluminum With Satin Finish, Add* | *393.41* | |
| | | *For Third Rail, Add* | *103.64* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *138.18* | |
| 32 31 19 00-0057 | EA | 7' Wide x 3' High Steel Tube Double Swing Gate | 1,622.16 | 49.07 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *353.93* | |
| | | *For Aluminum With Satin Finish, Add* | *420.30* | |
| | | *For Third Rail, Add* | *110.60* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *147.47* | |
| 32 31 19 00-0058 | EA | 8' Wide x 3' High Steel Tube Double Swing Gate | 1,793.23 | 52.05 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *391.76* | |
| | | *For Aluminum With Satin Finish, Add* | *467.66* | |
| | | *For Third Rail, Add* | *122.77* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *163.70* | |
| 32 31 19 00-0059 | EA | 9' Wide x 3' High Steel Tube Double Swing Gate | 1,878.97 | 53.92 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *410.64* | |
| | | *For Aluminum With Satin Finish, Add* | *490.90* | |
| | | *For Third Rail, Add* | *128.79* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *171.72* | |
| 32 31 19 00-0060 | EA | 10' Wide x 3' High Steel Tube Double Swing Gate | 1,948.67 | 55.67 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *425.91* | |
| | | *For Aluminum With Satin Finish, Add* | *509.34* | |
| | | *For Third Rail, Add* | *133.61* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *178.14* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 19 00-0061 | EA | 12' Wide x 3' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 2,193.89 | 66.68 |
| | | *For Solid Pickets, Add* | *478.61* | |
| | | *For Aluminum With Satin Finish, Add* | *568.05* | |
| | | *For Third Rail, Add* | *149.52* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *199.36* | |
| 32 31 19 00-0062 | EA | 14' Wide x 3' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 2,405.21 | 77.68 |
| | | *For Solid Pickets, Add* | *523.68* | |
| | | *For Aluminum With Satin Finish, Add* | *616.59* | |
| | | *For Third Rail, Add* | *162.90* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *217.19* | |
| 32 31 19 00-0063 | EA | 16' Wide x 3' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 2,583.07 | 89.46 |
| | | *For Solid Pickets, Add* | *561.05* | |
| | | *For Aluminum With Satin Finish, Add* | *654.11* | |
| | | *For Third Rail, Add* | *173.59* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *231.46* | |
| 32 31 19 00-0064 | EA | 18' Wide x 3' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 2,731.99 | 100.35 |
| | | *For Solid Pickets, Add* | *592.09* | |
| | | *For Aluminum With Satin Finish, Add* | *683.93* | |
| | | *For Third Rail, Add* | *182.29* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *243.05* | |
| 32 31 19 00-0065 | EA | 20' Wide x 3' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 2,854.17 | 111.36 |
| | | *For Solid Pickets, Add* | *617.10* | |
| | | *For Aluminum With Satin Finish, Add* | *705.72* | |
| | | *For Third Rail, Add* | *188.97* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *251.97* | |

## 32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

| | | | | |
|---|---|---|---|---|
| 32 31 19 00-0067 | EA | 3' Wide x 4' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 841.06 | 22.01 |
| | | *For Solid Pickets, Add* | *183.67* | |
| | | *For Aluminum With Satin Finish, Add* | *218.89* | |
| | | *For Third Rail, Add* | *57.51* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *76.68* | |
| 32 31 19 00-0068 | EA | 3'-6" Wide x 4' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 909.77 | 25.64 |
| | | *For Solid Pickets, Add* | *198.92* | |
| | | *For Aluminum With Satin Finish, Add* | *238.27* | |
| | | *For Third Rail, Add* | *62.46* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *83.28* | |
| 32 31 19 00-0069 | EA | 4' Wide x 4' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 981.26 | 27.51 |
| | | *For Solid Pickets, Add* | *214.59* | |
| | | *For Aluminum With Satin Finish, Add* | *257.24* | |
| | | *For Third Rail, Add* | *67.40* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *89.87* | |
| 32 31 19 00-0070 | EA | 5' Wide x 4' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,040.25 | 29.26 |
| | | *For Solid Pickets, Add* | *227.45* | |
| | | *For Aluminum With Satin Finish, Add* | *272.47* | |
| | | *For Third Rail, Add* | *71.42* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *95.22* | |
| 32 31 19 00-0071 | EA | 6' Wide x 4' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,122.05 | 35.21 |
| | | *For Solid Pickets, Add* | *244.54* | |
| | | *For Aluminum With Satin Finish, Add* | *289.08* | |
| | | *For Third Rail, Add* | *76.23* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *101.64* | |
| 32 31 19 00-0072 | EA | 7' Wide x 4' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,232.39 | 41.04 |
| | | *For Solid Pickets, Add* | *268.04* | |
| | | *For Aluminum With Satin Finish, Add* | *314.26* | |
| | | *For Third Rail, Add* | *83.19* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *110.92* | |
| 32 31 19 00-0073 | EA | 8' Wide x 4' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,383.73 | 46.87 |
| | | *For Solid Pickets, Add* | *300.78* | |
| | | *For Aluminum With Satin Finish, Add* | *351.74* | |
| | | *For Third Rail, Add* | *93.22* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *124.29* | |
| 32 31 19 00-0074 | EA | 9' Wide x 4' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,531.51 | 52.82 |
| | | *For Solid Pickets, Add* | *332.71* | |
| | | *For Aluminum With Satin Finish, Add* | *388.15* | |
| | | *For Third Rail, Add* | *102.98* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *137.31* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 19 00-0075 | EA | 10' Wide x 4' High Steel Tube Single Swing Gate | 1,672.16 | 58.65 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *363.03* | |
| | | *For Aluminum With Satin Finish, Add* | *422.42* | |
| | | *For Third Rail, Add* | *112.21* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *149.61* | |
| 32 31 19 00-0076 | EA | 6' Wide x 4' High Steel Tube Double Swing Gate | 1,682.09 | 49.51 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *367.33* | |
| | | *For Aluminum With Satin Finish, Add* | *437.78* | |
| | | *For Third Rail, Add* | *115.02* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *153.36* | |
| 32 31 19 00-0077 | EA | 7' Wide x 4' High Steel Tube Double Swing Gate | 1,819.56 | 51.27 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *397.85* | |
| | | *For Aluminum With Satin Finish, Add* | *476.55* | |
| | | *For Third Rail, Add* | *124.91* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *166.55* | |
| 32 31 19 00-0078 | EA | 8' Wide x 4' High Steel Tube Double Swing Gate | 1,962.52 | 55.02 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *429.19* | |
| | | *For Aluminum With Satin Finish, Add* | *514.48* | |
| | | *For Third Rail, Add* | *134.81* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *179.75* | |
| 32 31 19 00-0079 | EA | 9' Wide x 4' High Steel Tube Double Swing Gate | 2,075.01 | 56.78 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *454.09* | |
| | | *For Aluminum With Satin Finish, Add* | *545.76* | |
| | | *For Third Rail, Add* | *142.83* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *190.45* | |
| 32 31 19 00-0080 | EA | 10' Wide x 4' High Steel Tube Double Swing Gate | 2,169.68 | 58.65 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *474.97* | |
| | | *For Aluminum With Satin Finish, Add* | *571.68* | |
| | | *For Third Rail, Add* | *149.52* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *199.36* | |
| 32 31 19 00-0081 | EA | 12' Wide x 4' High Steel Tube Double Swing Gate | 2,463.44 | 70.32 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *538.43* | |
| | | *For Aluminum With Satin Finish, Add* | *643.97* | |
| | | *For Third Rail, Add* | *168.91* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *225.22* | |
| 32 31 19 00-0082 | EA | 14' Wide x 4' High Steel Tube Double Swing Gate | 2,721.55 | 82.08 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *593.86* | |
| | | *For Aluminum With Satin Finish, Add* | *705.55* | |
| | | *For Third Rail, Add* | *185.63* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *247.51* | |
| 32 31 19 00-0083 | EA | 16' Wide x 4' High Steel Tube Double Swing Gate | 2,945.79 | 93.75 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *641.68* | |
| | | *For Aluminum With Satin Finish, Add* | *756.98* | |
| | | *For Third Rail, Add* | *199.81* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *266.41* | |
| 32 31 19 00-0084 | EA | 18' Wide x 4' High Steel Tube Double Swing Gate | 3,139.71 | 105.52 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *682.67* | |
| | | *For Aluminum With Satin Finish, Add* | *799.31* | |
| | | *For Third Rail, Add* | *211.71* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *282.28* | |
| 32 31 19 00-0085 | EA | 20' Wide x 4' High Steel Tube Double Swing Gate | 3,305.08 | 117.30 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *717.24* | |
| | | *For Aluminum With Satin Finish, Add* | *833.08* | |
| | | *For Third Rail, Add* | *221.47* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *295.30* | |

### 32 31 19 00-0086 5' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

| | | | | |
|---|---|---|---|---|
| 32 31 19 00-0087 | EA | 3' Wide x 5' High Steel Tube Single Swing Gate | 915.12 | 25.64 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *200.13* | |
| | | *For Aluminum With Satin Finish, Add* | *239.88* | |
| | | *For Third Rail, Add* | *62.86* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *83.81* | |
| 32 31 19 00-0088 | EA | 3'-6" Wide x 5' High Steel Tube Single Swing Gate | 965.21 | 27.51 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *210.98* | |
| | | *For Aluminum With Satin Finish, Add* | *252.42* | |
| | | *For Third Rail, Add* | *66.20* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *88.27* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 19 00-0089 | EA | 4' Wide x 5' High Steel Tube Single Swing Gate | 1,013.50 | 29.26 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *221.44* | |
| | | *For Aluminum With Satin Finish, Add* | *264.44* | |
| | | *For Third Rail, Add* | *69.41* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *92.55* | |
| 32 31 19 00-0090 | EA | 5' Wide x 5' High Steel Tube Single Swing Gate | 1,083.21 | 31.14 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *236.71* | |
| | | *For Aluminum With Satin Finish, Add* | *282.87* | |
| | | *For Third Rail, Add* | *74.23* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *98.97* | |
| 32 31 19 00-0091 | EA | 6' Wide x 5' High Steel Tube Single Swing Gate | 1,178.58 | 37.41 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *256.76* | |
| | | *For Aluminum With Satin Finish, Add* | *303.07* | |
| | | *For Third Rail, Add* | *79.98* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *106.64* | |
| 32 31 19 00-0092 | EA | 7' Wide x 5' High Steel Tube Single Swing Gate | 1,304.29 | 43.57 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *283.64* | |
| | | *For Aluminum With Satin Finish, Add* | *332.36* | |
| | | *For Third Rail, Add* | *88.00* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *117.34* | |
| 32 31 19 00-0093 | EA | 8' Wide x 5' High Steel Tube Single Swing Gate | 1,479.23 | 50.18 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *321.52* | |
| | | *For Aluminum With Satin Finish, Add* | *375.93* | |
| | | *For Third Rail, Add* | *99.64* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *132.85* | |
| 32 31 19 00-0094 | EA | 9' Wide x 5' High Steel Tube Single Swing Gate | 1,649.50 | 56.45 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *358.43* | |
| | | *For Aluminum With Satin Finish, Add* | *418.60* | |
| | | *For Third Rail, Add* | *111.00* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *148.01* | |
| 32 31 19 00-0095 | EA | 10' Wide x 5' High Steel Tube Single Swing Gate | 1,816.22 | 62.61 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *394.54* | |
| | | *For Aluminum With Satin Finish, Add* | *460.19* | |
| | | *For Third Rail, Add* | *122.10* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *162.81* | |
| 32 31 19 00-0096 | EA | 6' Wide x 5' High Steel Tube Double Swing Gate | 1,799.67 | 43.24 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *395.67* | |
| | | *For Aluminum With Satin Finish, Add* | *484.34* | |
| | | *For Third Rail, Add* | *125.72* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *167.62* | |
| 32 31 19 00-0097 | EA | 7' Wide x 5' High Steel Tube Double Swing Gate | 1,907.62 | 50.40 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *418.41* | |
| | | *For Aluminum With Satin Finish, Add* | *507.47* | |
| | | *For Third Rail, Add* | *132.27* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *176.36* | |
| 32 31 19 00-0098 | EA | 8' Wide x 5' High Steel Tube Double Swing Gate | 2,016.78 | 57.99 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *441.34* | |
| | | *For Aluminum With Satin Finish, Add* | *530.42* | |
| | | *For Third Rail, Add* | *138.82* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *185.10* | |
| 32 31 19 00-0099 | EA | 9' Wide x 5' High Steel Tube Double Swing Gate | 2,165.75 | 65.25 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *473.31* | |
| | | *For Aluminum With Satin Finish, Add* | *565.85* | |
| | | *For Third Rail, Add* | *148.45* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *197.94* | |
| 32 31 19 00-0100 | EA | 10' Wide x 5' High Steel Tube Double Swing Gate | 2,296.88 | 72.41 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *501.28* | |
| | | *For Aluminum With Satin Finish, Add* | *595.93* | |
| | | *For Third Rail, Add* | *156.74* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *208.99* | |
| 32 31 19 00-0101 | EA | 12' Wide x 5' High Steel Tube Double Swing Gate | 2,614.11 | 80.55 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *570.93* | |
| | | *For Aluminum With Satin Finish, Add* | *680.75* | |
| | | *For Third Rail, Add* | *178.81* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *238.41* | |
| 32 31 19 00-0102 | EA | 14' Wide x 5' High Steel Tube Double Swing Gate | 2,899.88 | 89.35 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *633.32* | |
| | | *For Aluminum With Satin Finish, Add* | *755.04* | |
| | | *For Third Rail, Add* | *198.34* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *264.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 19 00-0103 | EA | 16' Wide x 5' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 3,155.96 | 99.14 |
| | | *For Solid Pickets, Add* | *688.85* | |
| | | *For Aluminum With Satin Finish, Add* | *819.34* | |
| | | *For Third Rail, Add* | *215.46* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *287.27* | |
| 32 31 19 00-0104 | EA | 18' Wide x 5' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 3,387.15 | 110.14 |
| | | *For Solid Pickets, Add* | *738.51* | |
| | | *For Aluminum With Satin Finish, Add* | *874.53* | |
| | | *For Third Rail, Add* | *230.43* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *307.25* | |
| 32 31 19 00-0105 | EA | 20' Wide x 5' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 3,593.44 | 122.46 |
| | | *For Solid Pickets, Add* | *782.29* | |
| | | *For Aluminum With Satin Finish, Add* | *920.62* | |
| | | *For Third Rail, Add* | *243.27* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *324.36* | |

## 32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

| | | | | |
|---|---|---|---|---|
| 32 31 19 00-0107 | EA | 3' Wide x 6' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 953.15 | 28.17 |
| | | *For Solid Pickets, Add* | *208.10* | |
| | | *For Aluminum With Satin Finish, Add* | *247.82* | |
| | | *For Third Rail, Add* | *65.13* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *86.84* | |
| 32 31 19 00-0108 | EA | 3'-6" Wide x 6' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,002.13 | 29.71 |
| | | *For Solid Pickets, Add* | *218.79* | |
| | | *For Aluminum With Satin Finish, Add* | *260.53* | |
| | | *For Third Rail, Add* | *68.48* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *91.30* | |
| 32 31 19 00-0109 | EA | 4' Wide x 6' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,051.90 | 31.36 |
| | | *For Solid Pickets, Add* | *229.60* | |
| | | *For Aluminum With Satin Finish, Add* | *273.13* | |
| | | *For Third Rail, Add* | *71.82* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *95.76* | |
| 32 31 19 00-0110 | EA | 5' Wide x 6' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,113.00 | 33.34 |
| | | *For Solid Pickets, Add* | *242.91* | |
| | | *For Aluminum With Satin Finish, Add* | *288.84* | |
| | | *For Third Rail, Add* | *75.96* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *101.29* | |
| 32 31 19 00-0111 | EA | 6' Wide x 6' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,249.81 | 40.27 |
| | | *For Solid Pickets, Add* | *272.13* | |
| | | *For Aluminum With Satin Finish, Add* | *320.48* | |
| | | *For Third Rail, Add* | *84.66* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *112.88* | |
| 32 31 19 00-0112 | EA | 7' Wide x 6' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,395.53 | 47.31 |
| | | *For Solid Pickets, Add* | *303.35* | |
| | | *For Aluminum With Satin Finish, Add* | *354.79* | |
| | | *For Third Rail, Add* | *94.02* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *125.36* | |
| 32 31 19 00-0113 | EA | 8' Wide x 6' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,558.00 | 53.92 |
| | | *For Solid Pickets, Add* | *338.42* | |
| | | *For Aluminum With Satin Finish, Add* | *394.61* | |
| | | *For Third Rail, Add* | *104.72* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *139.63* | |
| 32 31 19 00-0114 | EA | 9' Wide x 6' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,714.43 | 60.85 |
| | | *For Solid Pickets, Add* | *372.05* | |
| | | *For Aluminum With Satin Finish, Add* | *432.13* | |
| | | *For Third Rail, Add* | *114.88* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *153.18* | |
| 32 31 19 00-0115 | EA | 10' Wide x 6' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,904.72 | 67.78 |
| | | *For Solid Pickets, Add* | *413.30* | |
| | | *For Aluminum With Satin Finish, Add* | *479.82* | |
| | | *For Third Rail, Add* | *127.59* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *170.12* | |
| 32 31 19 00-0116 | EA | 6' Wide x 6' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,869.99 | 46.65 |
| | | *For Solid Pickets, Add* | *410.76* | |
| | | *For Aluminum With Satin Finish, Add* | *501.08* | |
| | | *For Third Rail, Add* | *130.26* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *173.68* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 19 00-0117 | EA | 7' Wide x 6' High Steel Tube Double Swing Gate | 1,982.14 | 54.69 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *434.27* | |
| | | *For Aluminum With Satin Finish, Add* | *524.38* | |
| | | *For Third Rail, Add* | *136.95* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *182.60* | |
| 32 31 19 00-0118 | EA | 8' Wide x 6' High Steel Tube Double Swing Gate | 2,093.09 | 62.28 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *457.60* | |
| | | *For Aluminum With Satin Finish, Add* | *547.86* | |
| | | *For Third Rail, Add* | *143.64* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *191.52* | |
| 32 31 19 00-0119 | EA | 9' Wide x 6' High Steel Tube Double Swing Gate | 2,226.64 | 70.32 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *485.93* | |
| | | *For Aluminum With Satin Finish, Add* | *577.58* | |
| | | *For Third Rail, Add* | *151.93* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *202.57* | |
| 32 31 19 00-0120 | EA | 10' Wide x 6' High Steel Tube Double Swing Gate | 2,435.09 | 78.35 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *531.10* | |
| | | *For Aluminum With Satin Finish, Add* | *629.76* | |
| | | *For Third Rail, Add* | *165.84* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *221.12* | |
| 32 31 19 00-0121 | EA | 12' Wide x 6' High Steel Tube Double Swing Gate | 2,854.60 | 87.26 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *623.58* | |
| | | *For Aluminum With Satin Finish, Add* | *744.18* | |
| | | *For Third Rail, Add* | *195.39* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *260.53* | |
| 32 31 19 00-0122 | EA | 14' Wide x 6' High Steel Tube Double Swing Gate | 2,990.64 | 97.49 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *652.01* | |
| | | *For Aluminum With Satin Finish, Add* | *771.92* | |
| | | *For Third Rail, Add* | *203.42* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *271.23* | |
| 32 31 19 00-0123 | EA | 16' Wide x 6' High Steel Tube Double Swing Gate | 3,284.24 | 108.49 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *715.71* | |
| | | *For Aluminum With Satin Finish, Add* | *845.84* | |
| | | *For Third Rail, Add* | *223.08* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *297.44* | |
| 32 31 19 00-0124 | EA | 18' Wide x 6' High Steel Tube Double Swing Gate | 3,554.72 | 120.70 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *773.94* | |
| | | *For Aluminum With Satin Finish, Add* | *911.18* | |
| | | *For Third Rail, Add* | *240.73* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *320.98* | |
| 32 31 19 00-0125 | EA | 20' Wide x 6' High Steel Tube Double Swing Gate | 3,806.86 | 134.68 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *827.68* | |
| | | *For Aluminum With Satin Finish, Add* | *968.85* | |
| | | *For Third Rail, Add* | *256.65* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *342.20* | |

## 32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

| | | | | |
|---|---|---|---|---|
| 32 31 19 00-0127 | EA | 3' Wide x 7' High Steel Tube Single Swing Gate | 1,010.01 | 30.48 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *220.38* | |
| | | *For Aluminum With Satin Finish, Add* | *261.76* | |
| | | *For Third Rail, Add* | *68.88* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *91.84* | |
| 32 31 19 00-0128 | EA | 3'-6" Wide x 7' High Steel Tube Single Swing Gate | 1,061.21 | 32.13 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *231.53* | |
| | | *For Aluminum With Satin Finish, Add* | *274.94* | |
| | | *For Third Rail, Add* | *72.35* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *96.47* | |
| 32 31 19 00-0129 | EA | 4' Wide x 7' High Steel Tube Single Swing Gate | 1,112.64 | 33.78 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *242.73* | |
| | | *For Aluminum With Satin Finish, Add* | *288.09* | |
| | | *For Third Rail, Add* | *75.83* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *101.11* | |
| 32 31 19 00-0130 | EA | 5' Wide x 7' High Steel Tube Single Swing Gate | 1,164.18 | 35.54 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *253.94* | |
| | | *For Aluminum With Satin Finish, Add* | *301.22* | |
| | | *For Third Rail, Add* | *79.31* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *105.74* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 19 00-0131 | EA | 6' Wide x 7' High Steel Tube Single Swing Gate | 1,347.77 | 43.24 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *293.51* | |
| | | *For Aluminum With Satin Finish, Add* | *345.90* | |
| | | *For Third Rail, Add* | *91.34* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *121.79* | |
| 32 31 19 00-0132 | EA | 7' Wide x 7' High Steel Tube Single Swing Gate | 1,515.99 | 50.62 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *329.71* | |
| | | *For Aluminum With Satin Finish, Add* | *386.47* | |
| | | *For Third Rail, Add* | *102.31* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *136.42* | |
| 32 31 19 00-0133 | EA | 8' Wide x 7' High Steel Tube Single Swing Gate | 1,638.96 | 58.21 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *355.64* | |
| | | *For Aluminum With Satin Finish, Add* | *412.96* | |
| | | *For Third Rail, Add* | *109.80* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *146.40* | |
| 32 31 19 00-0134 | EA | 9' Wide x 7' High Steel Tube Single Swing Gate | 1,778.66 | 65.58 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *385.43* | |
| | | *For Aluminum With Satin Finish, Add* | *444.97* | |
| | | *For Third Rail, Add* | *118.63* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *158.17* | |
| 32 31 19 00-0135 | EA | 10' Wide x 7' High Steel Tube Single Swing Gate | 1,949.76 | 73.28 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *422.19* | |
| | | *For Aluminum With Satin Finish, Add* | *485.90* | |
| | | *For Third Rail, Add* | *129.73* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *172.97* | |
| 32 31 19 00-0136 | EA | 6' Wide x 7' High Steel Tube Double Swing Gate | 1,979.52 | 49.96 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *434.68* | |
| | | *For Aluminum With Satin Finish, Add* | *529.59* | |
| | | *For Third Rail, Add* | *137.75* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *183.67* | |
| 32 31 19 00-0137 | EA | 7' Wide x 7' High Steel Tube Double Swing Gate | 2,096.45 | 58.43 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *459.17* | |
| | | *For Aluminum With Satin Finish, Add* | *553.77* | |
| | | *For Third Rail, Add* | *144.71* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *192.94* | |
| 32 31 19 00-0138 | EA | 8' Wide x 7' High Steel Tube Double Swing Gate | 2,214.60 | 67.34 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *483.85* | |
| | | *For Aluminum With Satin Finish, Add* | *577.78* | |
| | | *For Third Rail, Add* | *151.66* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *202.22* | |
| 32 31 19 00-0139 | EA | 9' Wide x 7' High Steel Tube Double Swing Gate | 2,333.32 | 75.81 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *508.75* | |
| | | *For Aluminum With Satin Finish, Add* | *602.50* | |
| | | *For Third Rail, Add* | *158.75* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *211.67* | |
| 32 31 19 00-0140 | EA | 10' Wide x 7' High Steel Tube Double Swing Gate | 2,627.99 | 84.73 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *573.14* | |
| | | *For Aluminum With Satin Finish, Add* | *679.47* | |
| | | *For Third Rail, Add* | *178.94* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *238.59* | |
| 32 31 19 00-0141 | EA | 12' Wide x 7' High Steel Tube Double Swing Gate | 3,174.74 | 94.52 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *694.07* | |
| | | *For Aluminum With Satin Finish, Add* | *830.96* | |
| | | *For Third Rail, Add* | *217.86* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *290.48* | |
| 32 31 19 00-0142 | EA | 14' Wide x 7' High Steel Tube Double Swing Gate | 3,143.23 | 105.96 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *684.53* | |
| | | *For Aluminum With Satin Finish, Add* | *806.80* | |
| | | *For Third Rail, Add* | *213.05* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *284.06* | |
| 32 31 19 00-0143 | EA | 16' Wide x 7' High Steel Tube Double Swing Gate | 3,406.58 | 118.17 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *741.15* | |
| | | *For Aluminum With Satin Finish, Add* | *870.01* | |
| | | *For Third Rail, Add* | *230.17* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *306.89* | |
| 32 31 19 00-0144 | EA | 18' Wide x 7' High Steel Tube Double Swing Gate | 3,721.14 | 132.15 |
| | | Note: Includes mounting hardware and associated trim. | | |
| | | *For Solid Pickets, Add* | *808.93* | |
| | | *For Aluminum With Satin Finish, Add* | *946.40* | |
| | | *For Third Rail, Add* | *250.76* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *334.35* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 19 00-0145 | EA | 20' Wide x 7' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 3,930.55 | 147.45 |
| | | *For Solid Pickets, Add* | *852.78* | |
| | | *For Aluminum With Satin Finish, Add* | *989.62* | |
| | | *For Third Rail, Add* | *263.20* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *350.93* | |
| **32 31 19 00-0146** | | **8' Fence Height Steel Tube Swing Gates, 2 Rail** *(32 31 19 00-0045)* | | |
| 32 31 19 00-0147 | EA | 3' Wide x 8' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,097.62 | 33.01 |
| | | *For Solid Pickets, Add* | *239.54* | |
| | | *For Aluminum With Satin Finish, Add* | *284.72* | |
| | | *For Third Rail, Add* | *74.89* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *99.86* | |
| 32 31 19 00-0148 | EA | 3'-6" Wide x 8' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,151.27 | 34.77 |
| | | *For Solid Pickets, Add* | *251.20* | |
| | | *For Aluminum With Satin Finish, Add* | *298.34* | |
| | | *For Third Rail, Add* | *78.51* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *104.67* | |
| 32 31 19 00-0149 | EA | 4' Wide x 8' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,208.48 | 36.64 |
| | | *For Solid Pickets, Add* | *263.66* | |
| | | *For Aluminum With Satin Finish, Add* | *313.03* | |
| | | *For Third Rail, Add* | *82.38* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *109.85* | |
| 32 31 19 00-0150 | EA | 5' Wide x 8' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,260.37 | 40.82 |
| | | *For Solid Pickets, Add* | *274.38* | |
| | | *For Aluminum With Satin Finish, Add* | *322.90* | |
| | | *For Third Rail, Add* | *85.33* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *113.77* | |
| 32 31 19 00-0151 | EA | 6' Wide x 8' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,490.31 | 46.22 |
| | | *For Solid Pickets, Add* | *324.92* | |
| | | *For Aluminum With Satin Finish, Add* | *384.71* | |
| | | *For Third Rail, Add* | *101.38* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *135.17* | |
| 32 31 19 00-0152 | EA | 7' Wide x 8' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,659.79 | 55.67 |
| | | *For Solid Pickets, Add* | *360.91* | |
| | | *For Aluminum With Satin Finish, Add* | *422.67* | |
| | | *For Third Rail, Add* | *111.94* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *149.25* | |
| 32 31 19 00-0153 | EA | 8' Wide x 8' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,735.44 | 64.81 |
| | | *For Solid Pickets, Add* | *375.87* | |
| | | *For Aluminum With Satin Finish, Add* | *432.99* | |
| | | *For Third Rail, Add* | *115.55* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *154.07* | |
| 32 31 19 00-0154 | EA | 9' Wide x 8' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,862.13 | 74.39 |
| | | *For Solid Pickets, Add* | *402.23* | |
| | | *For Aluminum With Satin Finish, Add* | *458.12* | |
| | | *For Third Rail, Add* | *122.91* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *163.88* | |
| 32 31 19 00-0155 | EA | 10' Wide x 8' High Steel Tube Single Swing Gate<br>Note: Includes mounting hardware and associated trim. | 1,972.76 | 83.95 |
| | | *For Solid Pickets, Add* | *424.97* | |
| | | *For Aluminum With Satin Finish, Add* | *478.44* | |
| | | *For Third Rail, Add* | *129.06* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *172.08* | |
| 32 31 19 00-0156 | EA | 6' Wide x 8' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 2,151.48 | 53.36 |
| | | *For Solid Pickets, Add* | *472.64* | |
| | | *For Aluminum With Satin Finish, Add* | *576.81* | |
| | | *For Third Rail, Add* | *149.92* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *199.90* | |
| 32 31 19 00-0157 | EA | 7' Wide x 8' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 2,282.81 | 64.37 |
| | | *For Solid Pickets, Add* | *499.83* | |
| | | *For Aluminum With Satin Finish, Add* | *602.05* | |
| | | *For Third Rail, Add* | *157.41* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *209.88* | |
| 32 31 19 00-0158 | EA | 8' Wide x 8' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 2,411.13 | 74.93 |
| | | *For Solid Pickets, Add* | *526.44* | |
| | | *For Aluminum With Satin Finish, Add* | *626.94* | |
| | | *For Third Rail, Add* | *164.77* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *219.69* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 19 00-0159 | EA | 9' Wide x 8' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 2,519.29 | 86.04 |
| | | *For Solid Pickets, Add* | *548.41* | |
| | | *For Aluminum With Satin Finish, Add* | *645.22* | |
| | | *For Third Rail, Add* | *170.52* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *227.36* | |
| 32 31 19 00-0160 | EA | 10' Wide x 8' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 2,927.02 | 97.05 |
| | | *For Solid Pickets, Add* | *637.79* | |
| | | *For Aluminum With Satin Finish, Add* | *753.38* | |
| | | *For Third Rail, Add* | *198.74* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *264.98* | |
| 32 31 19 00-0161 | EA | 12' Wide x 8' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 3,645.08 | 109.27 |
| | | *For Solid Pickets, Add* | *796.72* | |
| | | *For Aluminum With Satin Finish, Add* | *953.00* | |
| | | *For Third Rail, Add* | *249.96* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *333.28* | |
| 32 31 19 00-0162 | EA | 14' Wide x 8' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 3,339.07 | 123.24 |
| | | *For Solid Pickets, Add* | *724.88* | |
| | | *For Aluminum With Satin Finish, Add* | *843.23* | |
| | | *For Third Rail, Add* | *224.01* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *298.69* | |
| 32 31 19 00-0163 | EA | 16' Wide x 8' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 3,577.66 | 139.42 |
| | | *For Solid Pickets, Add* | *775.11* | |
| | | *For Aluminum With Satin Finish, Add* | *894.10* | |
| | | *For Third Rail, Add* | *238.46* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *317.95* | |
| 32 31 19 00-0164 | EA | 18' Wide x 8' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 3,944.12 | 157.12 |
| | | *For Solid Pickets, Add* | *853.75* | |
| | | *For Aluminum With Satin Finish, Add* | *981.16* | |
| | | *For Third Rail, Add* | *262.13* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *349.51* | |
| 32 31 19 00-0165 | EA | 20' Wide x 8' High Steel Tube Double Swing Gate<br>Note: Includes mounting hardware and associated trim. | 4,029.53 | 177.04 |
| | | *For Solid Pickets, Add* | *868.70* | |
| | | *For Aluminum With Satin Finish, Add* | *981.19* | |
| | | *For Third Rail, Add* | *264.27* | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *352.36* | |

### 32 31 19 00-0166 Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*

| | | | | |
|---|---|---|---|---|
| 32 31 19 00-0167 | LF | Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket | 31.61 | |
| | | *For 1" Square x 14 Gauge Pickets, Add* | *0.96* | |

### 32 31 19 00-0168 Removal And Reinstallation Of Ornamental Fences *(32 31 19)*

Note: Including storage and cleaning. Excludes augering and concrete.

| | | | | |
|---|---|---|---|---|
| 32 31 19 00-0169 | LF | Removal And Reinstallation Of Ornamental Fence Up To 5' Height | 49.51 | |
| 32 31 19 00-0170 | LF | Removal And Reinstallation Of Ornamental Fence, 6' Height | 54.47 | |
| 32 31 19 00-0171 | LF | Removal And Reinstallation Of Ornamental Fence, 7' Height | 59.42 | |
| 32 31 19 00-0172 | LF | Removal And Reinstallation Of Ornamental Fence, 8' Height | 64.37 | |
| 32 31 19 00-0173 | LF | Removal And Reinstallation Of Ornamental Fence, 9' Height | 69.32 | |
| 32 31 19 00-0174 | LF | Removal And Reinstallation Of Ornamental Fence, 10' Height | 74.28 | |
| 32 31 19 00-0175 | LF | Removal And Reinstallation Of Ornamental Fence 12' Height | 82.53 | |

## 32 31 23 Plastic Fences and Gates *(32 31)*

### 32 31 23 00-0001 Vinyl Fence *(32 31 23)*

### 32 31 23 00-0002 Privacy Tongue And Groove Vinyl Fence *(32 31 23 00-0001)*

Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.

| | | | | |
|---|---|---|---|---|
| 32 31 23 00-0003 | LF | 3' High Privacy Tongue And Groove Vinyl Fence | 58.12 | 5.52 |
| 32 31 23 00-0004 | LF | 4' High Privacy Tongue And Groove Vinyl Fence | 65.00 | 6.63 |
| 32 31 23 00-0005 | LF | 5' High Privacy Tongue And Groove Vinyl Fence | 72.49 | 7.72 |
| 32 31 23 00-0006 | LF | 6' High Privacy Tongue And Groove Vinyl Fence | 79.81 | 8.83 |

### 32 31 23 00-0007 Semi-Privacy 6" Picket Vinyl Fence *(32 31 23 00-0001)*

Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.

| | | | | |
|---|---|---|---|---|
| 32 31 23 00-0008 | LF | 5' High Semi-Privacy 6" Picket Vinyl Fence | 77.80 | 7.72 |
| 32 31 23 00-0009 | LF | 6' High Semi-Privacy 6" Picket Vinyl Fence | 85.17 | 8.83 |

### 32 31 23 00-0010 Picket Straight Top Vinyl Fence *(32 31 23 00-0001)*

Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.

| | | | | |
|---|---|---|---|---|
| 32 31 23 00-0011 | LF | 3' High Picket Straight Top Vinyl Fence | 53.44 | 5.52 |
| 32 31 23 00-0012 | LF | 4' High Picket Straight Top Vinyl Fence | 60.57 | 6.63 |
| 32 31 23 00-0013 | LF | 5' High Picket Straight Top Vinyl Fence | 69.39 | 7.72 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 23 00-0014 | LF | 6' High Picket Straight Top Vinyl Fence | 76.77 | 8.83 |
| **32 31 23 00-0015** | | **Picket Scalloped Top Vinyl Fence** *(32 31 23 00-0001)* Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap. | | |
| 32 31 23 00-0016 | LF | 3' High Picket Scalloped Top Vinyl Fence | 59.46 | 5.52 |
| 32 31 23 00-0017 | LF | 4' High Picket Scalloped Top Vinyl Fence | 66.77 | 6.63 |
| 32 31 23 00-0018 | LF | 5' High Picket Scalloped Top Vinyl Fence | 75.19 | 7.72 |
| 32 31 23 00-0019 | LF | 6' High Picket Scalloped Top Vinyl Fence | 82.75 | 8.83 |
| **32 31 23 00-0020** | | **Post And Rail Vinyl Fence, Ranch Style** *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap. | | |
| 32 31 23 00-0021 | LF | 5' High, 2 Rail, Post And Rail Vinyl Fence | 20.56 | 5.52 |
| 32 31 23 00-0022 | LF | 6-1/2' High, 3 Rail, Post And Rail Vinyl Fence | 26.54 | 6.63 |
| 32 31 23 00-0023 | LF | 7' High, 4 Rail, Post And Rail Vinyl Fence | 30.72 | 7.17 |
| **32 31 23 00-0024** | | **Post, Rails And Pickets (Traditional Style) Vinyl Fence** *(32 31 23 00-0001)* Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap. | | |
| 32 31 23 00-0025 | LF | 3' High Rail And Picket Vinyl Fence, 72" On Center Posts | 69.76 | 6.07 |
| 32 31 23 00-0026 | LF | 4' High Rail And Picket Vinyl Fence, 72" On Center Posts | 76.03 | 7.17 |
| 32 31 23 00-0027 | LF | 3' High Rail And Picket Vinyl Fence, 96" On Center Posts | 65.87 | 5.52 |
| 32 31 23 00-0028 | LF | 4' High Rail And Picket Vinyl Fence, 96" On Center Posts | 71.45 | 6.63 |
| **32 31 23 00-0029** | | **Vinyl Gates** *(32 31 23)* | | |
| **32 31 23 00-0030** | | **Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0029)* Note: Includes hinges. | | |
| **32 31 23 00-0031** | | **3' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)* | | |
| 32 31 23 00-0032 | EA | 3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 645.08 | 55.19 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0033 | EA | 3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 684.70 | 57.95 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0034 | EA | 3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 752.21 | 60.71 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0035 | EA | 3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 844.51 | 63.47 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| **32 31 23 00-0036** | | **4' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)* | | |
| 32 31 23 00-0037 | EA | 4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 684.70 | 57.95 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0038 | EA | 4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 708.81 | 60.71 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0039 | EA | 4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 788.72 | 63.47 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0040 | EA | 4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 927.52 | 66.23 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| **32 31 23 00-0041** | | **5' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)* | | |
| 32 31 23 00-0042 | EA | 5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 708.81 | 60.71 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0043 | EA | 5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 739.12 | 63.47 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0044 | EA | 5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 850.03 | 66.23 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0045 | EA | 5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 995.04 | 68.99 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| **32 31 23 00-0046** | | **6' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)* | | |
| 32 31 23 00-0047 | EA | 6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 744.64 | 66.23 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 23 00-0048 | EA | 6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 774.96 | 68.99 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0049 | EA | 6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 938.56 | 71.75 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0050 | EA | 6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set | 1,037.07 | 71.75 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |

### 32 31 23 00-0051 Gates For Picket Fences *(32 31 23 00-0029)*

Note: Includes hinges.

### 32 31 23 00-0052 3' High Gates For Picket Fences *(32 31 23 00-0051)*

| | | | | |
|---|---|---|---|---|
| 32 31 23 00-0053 | EA | 3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 617.18 | 55.19 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0054 | EA | 3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 641.30 | 57.95 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0055 | EA | 3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 721.21 | 60.71 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0056 | EA | 3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 860.01 | 63.47 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |

### 32 31 23 00-0057 4' High Gates For Picket Fences *(32 31 23 00-0051)*

| | | | | |
|---|---|---|---|---|
| 32 31 23 00-0058 | EA | 4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 622.70 | 57.95 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0059 | EA | 4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 646.82 | 60.71 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0060 | EA | 4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 726.72 | 63.47 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0061 | EA | 4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 865.53 | 66.23 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |

### 32 31 23 00-0062 5' High Gates For Picket Fences *(32 31 23 00-0051)*

| | | | | |
|---|---|---|---|---|
| 32 31 23 00-0063 | EA | 5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 646.82 | 60.71 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0064 | EA | 5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 677.13 | 63.47 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0065 | EA | 5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 788.04 | 66.23 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0066 | EA | 5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 933.04 | 68.99 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |

### 32 31 23 00-0067 6' High Gates For Picket Fences *(32 31 23 00-0051)*

| | | | | |
|---|---|---|---|---|
| 32 31 23 00-0068 | EA | 6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 682.65 | 66.23 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0069 | EA | 6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 712.96 | 68.99 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0070 | EA | 6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 876.57 | 71.75 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |
| 32 31 23 00-0071 | EA | 6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set | 975.08 | 74.51 |
| | | *For Self-Closing Hinge Set, Add* | *14.50* | |
| | | *For Self-Closing Stainless Steel Hinge Set, Add* | *38.50* | |

### 32 31 23 00-0072 Gates Accessories *(32 31 23 00-0029)*

| | | | |
|---|---|---|---|
| 32 31 23 00-0073 | EA | Gate Stop/Drop Rod | 139.17 |
| 32 31 23 00-0074 | EA | Latch Set | 94.22 |
| 32 31 23 00-0075 | EA | Stainless Steel Latch Set | 139.17 |

## 32 31 26 Wire Fences and Gates *(32 31)*

### 32 31 26 13 Wire Fences with Steel Posts *(32 31 26)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 26 13-0001 | | **Chicken Wire** *(32 31 26 13)*<br>Note: Posts at 4'. | | |
| 32 31 26 13-0002 | LF | 4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4' | 9.29 | 2.00 |
| 32 31 26 13-0003 | LF | 6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4' | 10.17 | 2.00 |
| 32 31 26 13-0004 | | **Wire And Screen** *(32 31 26 13)* | | |
| 32 31 26 13-0005 | | **Wire And Screen For Partitions And Fences** *(32 31 26 13-0004)*<br>Note: Excludes framing and post. | | |
| 32 31 26 13-0006 | | **Screen Wire** *(32 31 26 13-0005)* | | |
| 32 31 26 13-0007 | LF | Screen Wire, 48" Wide Rolls | 13.44 | 1.11 |
| 32 31 26 13-0008 | | **Hog Wire** *(32 31 26 13-0005)* | | |
| 32 31 26 13-0009 | SF | 4" x 4" Hog Wire For Fencing | 2.32 | 0.89 |
| 32 31 26 13-0010 | SF | 6" x 6" Hog Wire For Fencing | 2.43 | 1.00 |
| 32 31 26 13-0011 | | **Non-Climb Horse Fence** *(32 31 26 13-0005)* | | |
| 32 31 26 13-0012 | LF | 4' Non-Climb Woven, 12.5 Gauge, Horse Fence | 10.61 | 3.56 |
| 32 31 26 13-0013 | LF | 5' Non-Climb Woven, 12.5 Gauge, Horse Fence | 13.65 | 4.45 |
| 32 31 26 13-0014 | LF | 6' Non-Climb Woven, 12.5 Gauge, Horse Fence | 17.22 | 5.34 |
| 32 31 26 13-0015 | | **Screen For Partitions And Ceilings** *(32 31 26 13-0004)*<br>Note: Can be used to support insulation on walls and ceilings. | | |
| 32 31 26 13-0016 | SF | 1" Mesh Chicken Wire | 2.33 | 0.63 |
| 32 31 26 13-0017 | | **Wicket Fence** *(32 31 26 13)* | | |
| 32 31 26 13-0018 | LF | Steel Wicket Fence, Painted | 87.76 | 5.44 |
| **32 31 29** | | **Wood Fences and Gates** *(32 31)*<br>See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill. | | |
| 32 31 29 00-0001 | | **Basket Weave** *(32 31 29)*<br>Note: 3/8" x 4" boards, 4" x 4" post | | |
| 32 31 29 00-0002 | LF | 6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post | 46.52 | 4.00 |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.74* | |
| 32 31 29 00-0003 | LF | 6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post | 31.11 | 4.00 |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.00* | |
| 32 31 29 00-0004 | | **Board Fence** *(32 31 29)*<br>Note: 1x4" board, 2x4" rail, 4x4" post. | | |
| 32 31 29 00-0005 | LF | Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence | 30.49 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-3.25* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *4.05* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *1.99* | |
| 32 31 29 00-0006 | LF | Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence | 33.89 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-3.53* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *4.38* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.19* | |
| 32 31 29 00-0007 | LF | Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence | 37.77 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-3.77* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *4.63* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.40* | |
| 32 31 29 00-0008 | LF | Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence | 40.30 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-3.96* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *4.84* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.55* | |
| 32 31 29 00-0009 | LF | Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence | 43.04 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-4.16* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *5.07* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.71* | |
| 32 31 29 00-0010 | LF | Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence | 32.53 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-3.33* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *4.11* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.09* | |
| 32 31 29 00-0011 | LF | Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence | 35.46 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-3.60* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *4.43* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.27* | |
| 32 31 29 00-0012 | LF | Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence | 37.77 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-3.77* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *4.63* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 29 00-0013 | LF | Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence | 40.30 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-3.96* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *4.84* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.55* | |
| 32 31 29 00-0014 | LF | Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence | 43.04 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-4.16* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *5.07* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.71* | |
| 32 31 29 00-0015 | LF | Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence | 32.53 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-3.33* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *4.11* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.09* | |
| 32 31 29 00-0016 | LF | Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence | 42.40 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-3.87* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *4.64* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.61* | |
| 32 31 29 00-0017 | LF | Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence | 44.43 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-4.04* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *4.83* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.74* | |
| 32 31 29 00-0018 | LF | Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence | 47.75 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-4.26* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *5.07* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.92* | |
| 32 31 29 00-0019 | LF | Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence | 51.34 | 4.00 |
| | | *For 1" x 6" Boards, Deduct* | *-4.50* | |
| | | *For 1" x 3" Boards (Stockade Top), Add* | *5.31* | |
| | | *For Fastening With Screws Instead Of Nails, Add* | *3.12* | |
| **32 31 29 00-0020** | | **Shadow Box** *(32 31 29)* | | |
| | | Note: 1x6" board, 2x4" Rail, 4x4" post. | | |
| 32 31 29 00-0021 | LF | Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine | 64.21 | 4.00 |
| | | *For Fastening With Screws Instead Of Nails, Add* | *3.63* | |
| 32 31 29 00-0022 | LF | Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar | 80.60 | 4.00 |
| | | *For Fastening With Screws Instead Of Nails, Add* | *4.52* | |
| 32 31 29 00-0023 | LF | Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar | 87.77 | 4.00 |
| | | *For Fastening With Screws Instead Of Nails, Add* | *4.90* | |
| 32 31 29 00-0024 | LF | Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar | 94.31 | 4.00 |
| | | *For Fastening With Screws Instead Of Nails, Add* | *5.27* | |
| **32 31 29 00-0025** | | **Open Rail Fence** *(32 31 29)* | | |
| **32 31 29 00-0026** | | **Post And Rail Fence, Ranch Style** *(32 31 29 00-0025)* | | |
| 32 31 29 00-0027 | LF | Post And Rail Fence, 2 Rails, 3' High #1 Cedar | 30.42 | 4.00 |
| 32 31 29 00-0028 | LF | Post And Rail Fence, 2 Rails, 3' High #2 Cedar | 23.96 | 4.00 |
| 32 31 29 00-0029 | LF | Post And Rail Fence, 3 Rails, 4' High #1 Cedar | 35.94 | 4.00 |
| 32 31 29 00-0030 | LF | Post And Rail Fence, 3 Rails, 4' High #2 Cedar | 25.87 | 4.00 |
| **32 31 29 00-0031** | | **Split Rail Fence** *(32 31 29 00-0025)* | | |
| 32 31 29 00-0032 | LF | Split Rail Fence, 2 Rails, 3' High #1 Cedar | 28.76 | 4.00 |
| 32 31 29 00-0033 | LF | Split Rail Fence, 2 Rails, 3' High #2 Cedar | 23.89 | 4.00 |
| 32 31 29 00-0034 | LF | Split Rail Fence, 3 Rail, 4' High #1 Cedar | 32.76 | 4.00 |
| 32 31 29 00-0035 | LF | Split Rail Fence, 3 Rail, 4' High #2 Cedar | 26.81 | 4.00 |
| **32 31 29 00-0036** | | **Picket Fence** *(32 31 29)* | | |
| 32 31 29 00-0037 | LF | Picket Fence, 2 Rail, 3' High, Pressure Treated | 34.76 | 4.00 |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.22* | |
| 32 31 29 00-0038 | LF | Picket Fence, 2 Rail, 3' High #1 Cedar | 32.54 | 4.00 |
| | | *For Fastening With Screws Instead Of Nails, Add* | *2.10* | |
| **32 31 29 00-0039** | | **Wood Fence Post Accessories** *(32 31 29)* | | |
| 32 31 29 00-0040 | EA | 3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap | 49.06 | |
| 32 31 29 00-0041 | EA | 4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap | 54.86 | |
| 32 31 29 00-0042 | EA | 6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap | 59.79 | |
| 32 31 29 00-0043 | EA | 8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap | 87.96 | |
| **32 31 29 00-0044** | | **Wood Gate** *(32 31 29)* | | |
| **32 31 29 00-0045** | | **Board Fence Gates, Pressure Treated Wood** *(32 31 29 00-0044)* | | |
| | | Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber). | | |
| 32 31 29 00-0046 | EA | 3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 455.83 | 139.77 |
| 32 31 29 00-0047 | EA | 3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 504.32 | 148.16 |
| 32 31 29 00-0048 | EA | 3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 564.01 | 162.13 |
| 32 31 29 00-0049 | EA | 3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 640.71 | 170.52 |
| 32 31 29 00-0050 | EA | 3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 717.42 | 178.91 |
| 32 31 29 00-0051 | EA | >5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 580.53 | 184.50 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 29 00-0052 | EA | >5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 632.55 | 192.89 |
| 32 31 29 00-0053 | EA | >5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 684.59 | 201.27 |
| 32 31 29 00-0054 | EA | >5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 771.86 | 209.66 |
| 32 31 29 00-0055 | EA | >5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 841.52 | 218.04 |

### 32 31 29 00-0056 Board Fence Gates, Grade 2 Cedar *(32 31 29 00-0044)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

| | | | | |
|---|---|---|---|---|
| 32 31 29 00-0057 | EA | 3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 725.98 | 125.02 |
| 32 31 29 00-0058 | EA | 3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 751.56 | 132.53 |
| 32 31 29 00-0059 | EA | 3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 790.67 | 145.02 |
| 32 31 29 00-0060 | EA | 3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 833.87 | 152.53 |
| 32 31 29 00-0061 | EA | 3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 887.66 | 160.03 |
| 32 31 29 00-0062 | EA | >5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 858.88 | 165.03 |
| 32 31 29 00-0063 | EA | >5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 891.51 | 172.52 |
| 32 31 29 00-0064 | EA | >5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 941.77 | 180.03 |
| 32 31 29 00-0065 | EA | >5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 992.02 | 187.53 |
| 32 31 29 00-0066 | EA | >5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 1,042.28 | 195.03 |

### 32 31 29 00-0067 Board Fence Gates, Grade 1 Cedar *(32 31 29 00-0044)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

| | | | | |
|---|---|---|---|---|
| 32 31 29 00-0068 | EA | 3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 778.86 | 125.02 |
| 32 31 29 00-0069 | EA | 3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 811.49 | 132.53 |
| 32 31 29 00-0070 | EA | 3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 854.13 | 145.02 |
| 32 31 29 00-0071 | EA | 3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 904.39 | 152.53 |
| 32 31 29 00-0072 | EA | 3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 954.64 | 160.03 |
| 32 31 29 00-0073 | EA | >5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 929.40 | 165.03 |
| 32 31 29 00-0074 | EA | >5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 962.02 | 172.52 |
| 32 31 29 00-0075 | EA | >5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 1,012.28 | 180.03 |
| 32 31 29 00-0076 | EA | >5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 1,062.53 | 187.53 |
| 32 31 29 00-0077 | EA | >5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware | 1,130.42 | 195.03 |

### 32 31 29 00-0078 Pressure Treated Wood Fence Posts *(32 31 29)*

See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0698 for barbed wire, 32 31 56 00-0017 for barbed wire.

| | | | | |
|---|---|---|---|---|
| 32 31 29 00-0079 | EA | 4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill | 43.36 | 13.98 |
| 32 31 29 00-0080 | EA | 6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill | 48.93 | 13.98 |
| 32 31 29 00-0081 | EA | 4' High, Pressure Treated Wood Fence Posts, Set In Concrete | 76.23 | 26.83 |
| 32 31 29 00-0082 | EA | 6' High, Pressure Treated Wood Fence Posts, Set In Concrete | 82.58 | 26.83 |

### 32 31 29 00-0083 Wood Utility Pole Fence *(32 31 29)*

Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.

| | | | | |
|---|---|---|---|---|
| 32 31 29 00-0084 | LF | Wood Utility Pole Barrier Fence<br>Note: Includes notching post, drilling and pinned with #5 rebar. | 58.48 | 4.00 |

### 32 31 29 00-0085 Wood Rail Fence *(32 31 29)*

Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill

| | | | | |
|---|---|---|---|---|
| 32 31 29 00-0086 | LF | 4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post | 30.30 | 4.00 |

## 32 31 34 Tubular Barrier Gates *(32 31)*

### 32 31 34 00-0001 Tube Gate *(32 31 34)*

See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0672 for gate accessories.

### 32 31 34 00-0002 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate *(32 31 34 00-0001)*

Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.

| | | | | |
|---|---|---|---|---|
| 32 31 34 00-0003 | EA | 4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate | 215.93 | 29.71 |
| | | *For 13 Gauge Tubing, Add* | *34.38* | |
| | | *For Galvanized Finish, Add* | *19.19* | |
| 32 31 34 00-0004 | EA | 6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate | 280.76 | 38.51 |
| | | *For 13 Gauge Tubing, Add* | *44.60* | |
| | | *For Galvanized Finish, Add* | *24.78* | |
| 32 31 34 00-0005 | EA | 8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate | 378.23 | 49.51 |
| | | *For 13 Gauge Tubing, Add* | *60.79* | |
| | | *For Galvanized Finish, Add* | *34.45* | |
| 32 31 34 00-0006 | EA | 10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate | 437.47 | 61.62 |
| | | *For 13 Gauge Tubing, Add* | *68.79* | |
| | | *For Galvanized Finish, Add* | *37.56* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 34 00-0007 | EA | 12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate | 518.83 | 73.28 |
| | | *For 13 Gauge Tubing, Add* | *81.76* | |
| | | *For Galvanized Finish, Add* | *44.82* | |
| 32 31 34 00-0008 | EA | 14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate | 567.07 | 82.53 |
| | | *For 13 Gauge Tubing, Add* | *88.66* | |
| | | *For Galvanized Finish, Add* | *47.92* | |
| 32 31 34 00-0009 | EA | 16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate | 665.45 | 95.18 |
| | | *For 13 Gauge Tubing, Add* | *104.48* | |
| | | *For Galvanized Finish, Add* | *56.90* | |

### 32 31 34 00-0010 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate *(32 31 34 00-0001)*

Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.

| | | | | |
|---|---|---|---|---|
| 32 31 34 00-0011 | EA | 4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 280.03 | 29.71 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *76.80* | |
| 32 31 34 00-0012 | EA | 6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 335.90 | 38.51 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *88.14* | |
| 32 31 34 00-0013 | EA | 8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 402.22 | 49.51 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *101.47* | |
| 32 31 34 00-0014 | EA | 10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 464.80 | 61.62 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *111.10* | |
| 32 31 34 00-0015 | EA | 12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 527.77 | 73.28 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *123.08* | |
| 32 31 34 00-0016 | EA | 14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 584.99 | 82.53 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *134.96* | |
| 32 31 34 00-0017 | EA | 16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 654.22 | 95.18 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *147.25* | |
| 32 31 34 00-0018 | EA | 18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 751.37 | 107.12 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *170.71* | |
| 32 31 34 00-0019 | EA | 20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 834.54 | 119.83 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *201.77* | |

### 32 31 34 00-0020 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate *(32 31 34 00-0001)*

Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.

| | | | | |
|---|---|---|---|---|
| 32 31 34 00-0021 | EA | 4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 302.53 | 29.71 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *85.80* | |
| 32 31 34 00-0022 | EA | 6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 358.02 | 38.51 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *96.99* | |
| 32 31 34 00-0023 | EA | 8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 417.22 | 49.51 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *107.47* | |
| 32 31 34 00-0024 | EA | 10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 486.67 | 61.62 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *119.84* | |
| 32 31 34 00-0025 | EA | 12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 543.58 | 73.28 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *129.41* | |
| 32 31 34 00-0026 | EA | 14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 621.90 | 82.53 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *149.73* | |
| 32 31 34 00-0027 | EA | 16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 694.30 | 95.18 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *163.28* | |
| 32 31 34 00-0028 | EA | 18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 812.52 | 107.12 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *195.17* | |
| 32 31 34 00-0029 | EA | 20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate | 889.53 | 119.83 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *223.77* | |

### 32 31 34 00-0030 Tubular Steel Barrier Gate (Triangular Shape) *(32 31 34 00-0001)*

Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.

| | | | | |
|---|---|---|---|---|
| 32 31 34 00-0031 | EA | 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post | 2,283.56 | 61.62 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *742.42* | |
| 32 31 34 00-0032 | EA | 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post | 2,478.70 | 73.28 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *796.05* | |
| 32 31 34 00-0033 | EA | 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post | 2,935.18 | 82.53 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *956.64* | |
| 32 31 34 00-0034 | EA | 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post | 2,368.98 | 61.62 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *776.30* | |
| 32 31 34 00-0035 | EA | 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post | 2,576.30 | 73.28 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *834.76* | |
| 32 31 34 00-0036 | EA | 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post | 3,032.79 | 82.53 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *995.34* | |

### 32 31 34 00-0037 Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing *(32 31 34 00-0001)*

Note: Excludes augering holes and concrete.

| | | | | |
|---|---|---|---|---|
| 32 31 34 00-0038 | EA | 4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts | 500.24 | 29.71 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *41.65* | |

### 32 31 34 00-0039 Tubular Horse Gate *(32 31 34 00-0001)*

Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 31 34 00-0040 | EA | 5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts | 3,145.36 | 29.71 |
| | | *For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add* | *840.01* | |

32 31 34 00-0041 Pipe Gate *(32 31 34)*
Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.

| | | | | |
|---|---|---|---|---|
| 32 31 34 00-0042 | EA | 20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier) | 4,247.60 | |
| 32 31 34 00-0043 | EA | 25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier) | 5,310.89 | |
| 32 31 34 00-0044 | EA | 30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier) | 6,327.71 | |

## 32 31 41 Precast Concrete Fences *(32 31)*

32 31 41 00-0001 Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete. *(32 31 41)*
Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

| | | | | |
|---|---|---|---|---|
| 32 31 41 00-0002 | LF | Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury<br>Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners. | 74.62 | 4.00 |

## 32 31 56 Wild Life Deterrent Fence *(32 31)*

32 31 56 00-0001 Barbed Wire Fences *(32 31 56)*
Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 56 00-0002 Fence Posts *(32 31 56 00-0001)*

32 31 56 00-0003 Fence Post Soil, Set In Concrete *(32 31 56 00-0002)*

| | | | | |
|---|---|---|---|---|
| 32 31 56 00-0004 | EA | Barbed Wire Fence Post, Galvanized Set In Concrete In Soil | 106.12 | 8.80 |
| | | *For Bracing On Corner Post, End Post And Pull Post, Add* | *170.99* | |
| 32 31 56 00-0005 | EA | Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil | 142.26 | 8.80 |
| | | *For Bracing On Corner Post, End Post And Pull Post, Add* | *231.34* | |

32 31 56 00-0006 Post In Rock *(32 31 56 00-0002)*

| | | | | |
|---|---|---|---|---|
| 32 31 56 00-0007 | EA | Barbed Wire Fence Post, Galvanized Grouted In Rock | 104.20 | 8.80 |
| | | *For Bracing On Corner Post, End Post And Pull Post, Add* | *168.11* | |
| 32 31 56 00-0008 | EA | Barbed Wire Fence Post, Vinyl Coated Grouted In Rock | 140.34 | 8.80 |
| | | *For Bracing On Corner Post, End Post And Pull Post, Add* | *228.46* | |

32 31 56 00-0009 Studded Steel T-Posts, Enamel Paint Finish *(32 31 56 00-0001)*
Note: Posts for barb wire, chain link or welded wire mesh.

| | | | | |
|---|---|---|---|---|
| 32 31 56 00-0010 | EA | 5' Studded Steel T-Post, Driven Into Earth | 28.97 | |
| 32 31 56 00-0011 | EA | 5'-6" Studded Steel T-Post, Driven Into Earth | 29.68 | |
| 32 31 56 00-0012 | EA | 6' Studded Steel T-Post, Driven Into Earth | 31.01 | |
| 32 31 56 00-0013 | EA | 6'-6" Studded Steel T-Post, Driven Into Earth | 32.34 | |
| 32 31 56 00-0014 | EA | 7' Studded Steel T-Post, Driven Into Earth | 34.09 | |
| 32 31 56 00-0015 | EA | 8' Studded Steel T-Post, Driven Into Earth | 38.38 | |
| 32 31 56 00-0016 | EA | 10' Studded Steel T-Post, Driven Into Earth | 46.61 | |

32 31 56 00-0017 Barbed Wire *(32 31 56 00-0001)*
Note: Per strand.

| | | | | |
|---|---|---|---|---|
| 32 31 56 00-0018 | LF | Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand | 0.97 | 0.44 |
| 32 31 56 00-0019 | LF | Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand | 1.11 | 0.44 |

32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts *(32 31 56 00-0001)*
Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.

| | | | | |
|---|---|---|---|---|
| 32 31 56 00-0021 | LF | 4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts<br>Note: Posts at 10' maximum. | 12.87 | 2.86 |

# 32 32 Retaining Walls *(32 30)*

## 32 32 13 Cast-In-Place Concrete Retaining Wall *(32 32)*

Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001 Concrete Retaining Walls *(32 32 13)*
Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

| | | | | |
|---|---|---|---|---|
| 32 32 13 00-0002 | LF | 4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 397.48 | 145.10 |
| | | *For >3:1 Sloped Soil At Top, Add* | *9.13* | |
| 32 32 13 00-0003 | LF | 6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 495.85 | 178.55 |
| | | *For >3:1 Sloped Soil At Top, Add* | *11.79* | |
| 32 32 13 00-0004 | LF | 8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 540.13 | 192.59 |
| | | *For >3:1 Sloped Soil At Top, Add* | *13.17* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 32 13 00-0005 | LF | 10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 688.11 | 238.13 |
| | | *For >3:1 Sloped Soil At Top, Add* | *18.02* | |
| 32 32 13 00-0006 | LF | 12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 793.03 | 273.52 |
| | | *For >3:1 Sloped Soil At Top, Add* | *20.90* | |
| 32 32 13 00-0007 | LF | 16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 1,147.21 | 401.27 |
| | | *For >3:1 Sloped Soil At Top, Add* | *29.31* | |
| 32 32 13 00-0008 | LF | 20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 1,574.87 | 553.97 |
| | | *For >3:1 Sloped Soil At Top, Add* | *39.68* | |
| 32 32 13 00-0009 | LF | 4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 436.81 | 158.46 |
| | | *For >3:1 Sloped Soil At Top, Add* | *10.19* | |
| 32 32 13 00-0010 | LF | 6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 534.70 | 190.93 |
| | | *For >3:1 Sloped Soil At Top, Add* | *13.00* | |
| 32 32 13 00-0011 | LF | 8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 566.18 | 199.22 |
| | | *For >3:1 Sloped Soil At Top, Add* | *14.26* | |
| 32 32 13 00-0012 | LF | 10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 778.95 | 267.00 |
| | | *For >3:1 Sloped Soil At Top, Add* | *20.81* | |
| 32 32 13 00-0013 | LF | 12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 987.63 | 342.95 |
| | | *For >3:1 Sloped Soil At Top, Add* | *25.65* | |
| 32 32 13 00-0014 | LF | 16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 1,480.90 | 519.85 |
| | | *For >3:1 Sloped Soil At Top, Add* | *37.51* | |
| 32 32 13 00-0015 | LF | 20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall | 2,090.00 | 733.79 |
| | | *For >3:1 Sloped Soil At Top, Add* | *52.91* | |

## 32 32 16 Precast Concrete Retaining Walls *(32 32)*

### 32 32 16 00-0001 Precast Retaining Walls *(32 32 16)*

Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.

| | | | | |
|---|---|---|---|---|
| 32 32 16 00-0002 | SF | 10-15' High, Tied-back, Precast Concrete Retaining Walls | 101.45 | 14.34 |
| 32 32 16 00-0003 | SF | 16-20' High, Tied-back, Precast Concrete Retaining Walls | 104.33 | 11.52 |
| 32 32 16 00-0004 | SF | 21-25' High, Tied-back, Precast Concrete Retaining Walls | 108.30 | 9.60 |
| 32 32 16 00-0005 | SF | 26-30' High, Tied-back, Precast Concrete Retaining Walls | 117.14 | 9.60 |
| 32 32 16 00-0006 | SF | >30' High, Tied-back, Precast Concrete Retaining Walls | 124.01 | 8.19 |

## 32 32 23 Segmental Retaining Walls *(32 32)*

### 32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls *(32 32 23)*

### 32 32 23 13-0001 Modular Retaining Wall Systems *(32 32 23 13)*

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

### 32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

| | | | | |
|---|---|---|---|---|
| 32 32 23 13-0003 | SF | Up To 4' Height "Amastone" Type Modular Retaining Wall System | 68.42 | 8.83 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.32* | |
| 32 32 23 13-0004 | SF | 4 To 8' Height "Amastone" Type Modular Retaining Wall System | 72.19 | 9.29 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.56* | |
| 32 32 23 13-0005 | SF | 8 To 12' Height "Amastone" Type Modular Retaining Wall System | 75.26 | 10.22 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.66* | |
| 32 32 23 13-0006 | SF | 12 To 16' Height "Amastone" Type Modular Retaining Wall System | 78.51 | 11.15 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.78* | |

### 32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

| | | | | |
|---|---|---|---|---|
| 32 32 23 13-0008 | SF | Up To 4' Height "Diamond" Type Modular Retaining Wall System | 71.08 | 8.83 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.54* | |
| 32 32 23 13-0009 | SF | 4 To 8' Height "Diamond" Type Modular Retaining Wall System | 74.84 | 9.29 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.78* | |
| 32 32 23 13-0010 | SF | 8 To 12' Height "Diamond" Type Modular Retaining Wall System | 77.91 | 10.22 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.89* | |
| 32 32 23 13-0011 | SF | 12 To 16' Height "Diamond" Type Modular Retaining Wall System | 81.17 | 11.15 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.00* | |

### 32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

| | | | | |
|---|---|---|---|---|
| 32 32 23 13-0013 | SF | Up To 4' Height "Keystone" Type Modular Retaining Wall System | 77.42 | 8.83 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.08* | |
| 32 32 23 13-0014 | SF | 4 To 8' Height "Keystone" Type Modular Retaining Wall System | 81.18 | 9.29 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.32* | |
| 32 32 23 13-0015 | SF | 8 To 12' Height "Keystone" Type Modular Retaining Wall System | 84.26 | 10.22 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.43* | |
| 32 32 23 13-0016 | SF | 12 To 16' Height "Keystone" Type Modular Retaining Wall System | 87.51 | 11.15 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.54* | |

### 32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

| | | | | |
|---|---|---|---|---|
| 32 32 23 13-0018 | SF | Up To 4' Height "Criblock" Type Modular Retaining Wall System | 68.42 | 8.83 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.32* | |
| | | *For Gravel Backfill Instead Of Earth, Add* | *0.25* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 32 23 13-0019 | SF | 4 To 8' Height "Criblock" Type Modular Retaining Wall System | 72.19 | 9.29 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.56* | |
| | | *For Gravel Backfill Instead Of Earth, Add* | *0.25* | |
| 32 32 23 13-0020 | SF | 8 To 12' Height "Criblock" Type Modular Retaining Wall System | 75.26 | 10.22 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.66* | |
| | | *For Gravel Backfill Instead Of Earth, Add* | *0.25* | |
| 32 32 23 13-0021 | SF | 12 To 16' Height "Criblock" Type Modular Retaining Wall System | 78.51 | 11.15 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.78* | |
| | | *For Gravel Backfill Instead Of Earth, Add* | *0.25* | |
| **32 32 23 13-0022** | | **"Versa-Lok" Type Modular Retaining Wall Systems** *(32 32 23 13-0001)* | | |
| 32 32 23 13-0023 | SF | Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System | 60.37 | 8.83 |
| | | *For >3:1 Sloped Soil At Top, Add* | *3.63* | |
| 32 32 23 13-0024 | SF | 4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System | 66.79 | 9.29 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.10* | |
| 32 32 23 13-0025 | SF | 8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System | 69.91 | 10.22 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.21* | |
| 32 32 23 13-0026 | SF | 12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System | 72.67 | 11.15 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.28* | |
| **32 32 23 13-0027** | | **Retaining Wall Cap Block Restoration** *(32 32 23 13-0001)* | | |
| | | Note: Includes removal of existing cap block and installation of new cap block to match. | | |
| 32 32 23 13-0028 | LF | Removal And Reinstall Retaining Wall Cap Block And Pins | 41.75 | |
| | | *For >3:1 Sloped Soil At Top, Add* | *2.43* | |

## 32 32 26 Metal Crib Retaining Walls *(32 32)*

| | | | | |
|---|---|---|---|---|
| **32 32 26 00-0001** | | **Bin Type Retaining Wall** *(32 32 26)* | | |
| **32 32 26 00-0002** | | **Vertical Bin Walls** *(32 32 26 00-0001)* | | |
| | | Note: Excludes excavation and backfill. | | |
| 32 32 26 00-0003 | SF | 5.5' Vertical Bin Retaining Wall, Wall Heights To 11' | 76.81 | |
| 32 32 26 00-0004 | SF | 7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33' | 91.22 | |
| 32 32 26 00-0005 | SF | 9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67' | 106.30 | |
| 32 32 26 00-0006 | SF | 12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67' | 114.95 | |
| 32 32 26 00-0007 | SF | 14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33' | 128.33 | |
| 32 32 26 00-0008 | SF | 16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33' | 136.98 | |
| **32 32 26 00-0009** | | **Battered Bin Walls** *(32 32 26 00-0001)* | | |
| | | Note: Excludes excavation and backfill. | | |
| 32 32 26 00-0010 | SF | 5.5' Battered Bin Retain Wall, Wall Heights To 11' | 68.05 | |
| 32 32 26 00-0011 | SF | 7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33' | 73.82 | |
| 32 32 26 00-0012 | SF | 9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67' | 83.05 | |
| 32 32 26 00-0013 | SF | 12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67' | 93.13 | |
| 32 32 26 00-0014 | SF | 14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33' | 108.99 | |
| 32 32 26 00-0015 | SF | 16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33' | 111.87 | |
| **32 32 26 00-0016** | | **Aluminized Steel Bin** *(32 32 26)* | | |
| | | Note: Excludes excavation and backfill. | | |
| 32 32 26 00-0017 | SF | 4' High, 5.5' Deep Aluminized Steel Bin | 46.34 | 5.11 |
| | | *For >3:1 Sloped Soil At Top, Add* | *3.07* | |
| | | *For Galvanized Type, Deduct* | *-3.61* | |
| 32 32 26 00-0018 | SF | 8' High, 5.5' Deep Aluminized Steel Bin | 51.92 | 5.11 |
| | | *For >3:1 Sloped Soil At Top, Add* | *3.54* | |
| | | *For Galvanized Type, Deduct* | *-4.16* | |
| 32 32 26 00-0019 | SF | 10' High, 7.7' Deep Aluminized Steel Bin | 55.45 | 5.59 |
| | | *For >3:1 Sloped Soil At Top, Add* | *3.77* | |
| | | *For Galvanized Type, Deduct* | *-4.43* | |
| 32 32 26 00-0020 | SF | 12' High, 7.7' Deep Aluminized Steel Bin | 63.17 | 6.31 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.30* | |
| | | *For Galvanized Type, Deduct* | *-5.06* | |
| 32 32 26 00-0021 | SF | 16' High, 7.7' Deep Aluminized Steel Bin | 60.80 | 6.54 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.07* | |
| | | *For Galvanized Type, Deduct* | *-4.78* | |
| 32 32 26 00-0022 | SF | 16' High, 9.9' Deep Aluminized Steel Bin | 67.81 | 6.66 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.64* | |
| | | *For Galvanized Type, Deduct* | *-5.46* | |
| 32 32 26 00-0023 | SF | 20' High, 9.9' Deep Aluminized Steel Bin | 75.25 | 7.01 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.19* | |
| | | *For Galvanized Type, Deduct* | *-6.11* | |
| 32 32 26 00-0024 | SF | 20' High, 12.1' Deep Aluminized Steel Bin | 77.04 | 7.37 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.30* | |
| | | *For Galvanized Type, Deduct* | *-6.24* | |
| 32 32 26 00-0025 | SF | 24' High, 12.1' Deep Aluminized Steel Bin | 81.06 | 7.37 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.64* | |
| | | *For Galvanized Type, Deduct* | *-6.63* | |
| 32 32 26 00-0026 | SF | 24' High, 14.3' Deep Aluminized Steel Bin | 85.09 | 7.49 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.97* | |
| | | *For Galvanized Type, Deduct* | *-7.02* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 32 26 00-0027 | SF | 28' High, 14.3' Deep Aluminized Steel Bin | 87.93 | 7.62 |
| | | *For >3:1 Sloped Soil At Top, Add* | *6.19* | |
| | | *For Galvanized Type, Deduct* | *-7.28* | |

## 32 32 29 Timber Retaining Walls *(32 32)*

### 32 32 29 00-0001 Wood Post Retaining Walls *(32 32 29)*

Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.

| | | | | |
|---|---|---|---|---|
| 32 32 29 00-0002 | LF | 4" x 4", 1' High, Redwood, Wood Post Retaining Walls | 86.25 | 29.66 |
| | | *For >3:1 Sloped Soil At Top, Add* | *2.30* | |
| 32 32 29 00-0003 | LF | 4" x 4", 2' High, Redwood, Wood Post Retaining Walls | 168.81 | 58.08 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.48* | |
| 32 32 29 00-0004 | LF | 4" x 4", 1' High, Cedar, Wood Post Retaining Walls | 82.80 | 29.66 |
| | | *For >3:1 Sloped Soil At Top, Add* | *2.00* | |
| 32 32 29 00-0005 | LF | 4" x 4", 2' High, Cedar, Wood Post Retaining Walls | 162.10 | 58.08 |
| | | *For >3:1 Sloped Soil At Top, Add* | *3.91* | |
| 32 32 29 00-0006 | LF | 4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls | 85.01 | 25.91 |
| | | *For >3:1 Sloped Soil At Top, Add* | *2.81* | |
| 32 32 29 00-0007 | LF | 4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls | 166.43 | 50.69 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.52* | |
| 32 32 29 00-0008 | LF | 4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls | 68.85 | 23.01 |
| | | *For >3:1 Sloped Soil At Top, Add* | *1.94* | |
| 32 32 29 00-0009 | LF | 4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls | 124.48 | 41.63 |
| | | *For >3:1 Sloped Soil At Top, Add* | *3.50* | |
| 32 32 29 00-0010 | LF | 6" x 6", 2' High, Redwood, Wood Post Retaining Walls | 228.90 | 70.36 |
| | | *For >3:1 Sloped Soil At Top, Add* | *7.50* | |
| 32 32 29 00-0011 | LF | 6" x 6", 4' High, Redwood, Wood Post Retaining Walls | 452.09 | 137.91 |
| | | *For >3:1 Sloped Soil At Top, Add* | *14.99* | |
| 32 32 29 00-0012 | LF | 6" x 6", 2' High, Cedar, Wood Post Retaining Walls | 225.06 | 70.36 |
| | | *For >3:1 Sloped Soil At Top, Add* | *7.17* | |
| 32 32 29 00-0013 | LF | 6" x 6", 4' High, Cedar, Wood Post Retaining Walls | 442.50 | 137.91 |
| | | *For >3:1 Sloped Soil At Top, Add* | *14.18* | |
| 32 32 29 00-0014 | LF | 6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls | 219.77 | 57.14 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.96* | |
| 32 32 29 00-0015 | LF | 6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls | 436.62 | 112.82 |
| | | *For >3:1 Sloped Soil At Top, Add* | *17.93* | |
| 32 32 29 00-0016 | LF | 6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls | 157.62 | 45.70 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.62* | |
| 32 32 29 00-0017 | LF | 6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls | 310.13 | 89.41 |
| | | *For >3:1 Sloped Soil At Top, Add* | *11.16* | |
| 32 32 29 00-0018 | LF | 8" x 8", 4' High, Redwood, Wood Post Retaining Walls | 567.68 | 152.47 |
| | | *For >3:1 Sloped Soil At Top, Add* | *22.33* | |
| 32 32 29 00-0019 | LF | 8" x 8", 6' High, Redwood, Wood Post Retaining Walls | 1,061.98 | 284.66 |
| | | *For >3:1 Sloped Soil At Top, Add* | *41.88* | |
| 32 32 29 00-0020 | LF | 8" x 8", 4' High, Cedar, Wood Post Retaining Walls | 548.51 | 152.47 |
| | | *For >3:1 Sloped Soil At Top, Add* | *20.70* | |
| 32 32 29 00-0021 | LF | 8" x 8", 6' High, Cedar, Wood Post Retaining Walls | 1,025.56 | 284.66 |
| | | *For >3:1 Sloped Soil At Top, Add* | *38.79* | |
| 32 32 29 00-0022 | LF | 8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls | 601.96 | 175.90 |
| | | *For >3:1 Sloped Soil At Top, Add* | *21.26* | |
| 32 32 29 00-0023 | LF | 8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls | 1,122.92 | 328.48 |
| | | *For >3:1 Sloped Soil At Top, Add* | *39.61* | |
| 32 32 29 00-0024 | LF | 8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls | 442.51 | 142.17 |
| | | *For >3:1 Sloped Soil At Top, Add* | *13.45* | |
| 32 32 29 00-0025 | LF | 8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls | 820.74 | 263.73 |
| | | *For >3:1 Sloped Soil At Top, Add* | *24.93* | |
| 32 32 29 00-0026 | LF | 4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls | 165.20 | 58.59 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.07* | |
| 32 32 29 00-0027 | LF | 6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls | 246.86 | 87.95 |
| | | *For >3:1 Sloped Soil At Top, Add* | *6.03* | |
| 32 32 29 00-0028 | LF | 8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls | 328.41 | 117.19 |
| | | *For >3:1 Sloped Soil At Top, Add* | *7.99* | |
| 32 32 29 00-0029 | LF | 4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls | 113.24 | 33.10 |
| | | *For >3:1 Sloped Soil At Top, Add* | *3.99* | |
| 32 32 29 00-0030 | LF | 6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls | 164.59 | 47.77 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.87* | |
| 32 32 29 00-0031 | LF | 8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls | 222.94 | 64.52 |
| | | *For >3:1 Sloped Soil At Top, Add* | *7.99* | |

### 32 32 29 00-0032 Post And Board Retaining Walls *(32 32 29)*

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

| | | | | |
|---|---|---|---|---|
| 32 32 29 00-0033 | LF | 4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls | 69.98 | 17.59 |
| | | *For >3:1 Sloped Soil At Top, Add* | *2.96* | |
| 32 32 29 00-0034 | LF | 4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls | 107.07 | 30.08 |
| | | *For >3:1 Sloped Soil At Top, Add* | *3.99* | |
| 32 32 29 00-0035 | LF | 6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls | 140.92 | 37.36 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.62* | |
| 32 32 29 00-0036 | LF | 6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls | 196.91 | 52.98 |
| | | *For >3:1 Sloped Soil At Top, Add* | *7.74* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 32 29 00-0037 | LF | 6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls | 257.61 | 68.90 |
| | | *For >3:1 Sloped Soil At Top, Add* | *10.19* | |
| 32 32 29 00-0038 | LF | 8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls | 529.60 | 136.34 |
| | | *For >3:1 Sloped Soil At Top, Add* | *21.84* | |
| 32 32 29 00-0039 | LF | 8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls | 599.15 | 151.02 |
| | | *For >3:1 Sloped Soil At Top, Add* | *25.26* | |
| 32 32 29 00-0040 | LF | 4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls | 70.97 | 18.31 |
| | | *For >3:1 Sloped Soil At Top, Add* | *2.92* | |
| 32 32 29 00-0041 | LF | 4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls | 124.53 | 32.58 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.05* | |
| 32 32 29 00-0042 | LF | 6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls | 122.40 | 31.95 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.97* | |
| 32 32 29 00-0043 | LF | 6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls | 171.35 | 45.90 |
| | | *For >3:1 Sloped Soil At Top, Add* | *6.76* | |
| 32 32 29 00-0044 | LF | 6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls | 266.43 | 73.27 |
| | | *For >3:1 Sloped Soil At Top, Add* | *10.19* | |
| 32 32 29 00-0045 | LF | 6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar | 211.32 | 56.31 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.39* | |
| 32 32 29 00-0046 | LF | 8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar | 547.89 | 140.72 |
| | | *For >3:1 Sloped Soil At Top, Add* | *22.65* | |
| 32 32 29 00-0047 | LF | 4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated | 87.38 | 33.83 |
| | | *For >3:1 Sloped Soil At Top, Add* | *1.67* | |
| 32 32 29 00-0048 | LF | 4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated | 126.57 | 48.09 |
| | | *For >3:1 Sloped Soil At Top, Add* | *2.58* | |
| 32 32 29 00-0049 | LF | 4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat | 184.64 | 65.98 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.48* | |
| 32 32 29 00-0050 | LF | 6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated | 325.36 | 111.36 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.72* | |
| 32 32 29 00-0051 | LF | 6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated | 330.15 | 111.36 |
| | | *For >3:1 Sloped Soil At Top, Add* | *9.13* | |
| 32 32 29 00-0052 | LF | 6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat | 309.89 | 107.00 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.15* | |
| 32 32 29 00-0053 | LF | 8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated | 729.96 | 246.14 |
| | | *For >3:1 Sloped Soil At Top, Add* | *20.21* | |
| 32 32 29 00-0054 | LF | 4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking | 87.38 | 33.83 |
| | | *For >3:1 Sloped Soil At Top, Add* | *1.67* | |
| 32 32 29 00-0055 | LF | 4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking | 126.57 | 48.09 |
| | | *For >3:1 Sloped Soil At Top, Add* | *2.58* | |
| 32 32 29 00-0056 | LF | 4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking | 184.64 | 65.98 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.48* | |
| 32 32 29 00-0057 | LF | 6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking | 232.23 | 82.11 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.79* | |
| 32 32 29 00-0058 | LF | 6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls | 325.36 | 111.36 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.72* | |
| 32 32 29 00-0059 | LF | 6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls | 309.89 | 107.00 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.15* | |
| 32 32 29 00-0060 | LF | 8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls | 729.96 | 246.14 |
| | | *For >3:1 Sloped Soil At Top, Add* | *20.21* | |

## 32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' *(32 32 29)*

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

### 32 32 29 00-0062 Redwood *(32 32 29 00-0061)*

| | | | | |
|---|---|---|---|---|
| 32 32 29 00-0063 | LF | 2' High, 6" x 6" Wood Tie Wall | 118.13 | 36.01 |
| | | *For >3:1 Sloped Soil At Top, Add* | *3.91* | |
| 32 32 29 00-0064 | LF | 4' High, 6" x 6" Wood Tie Wall Deadman At 6' | 269.62 | 82.11 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.96* | |
| 32 32 29 00-0065 | LF | 6' High, 6" x 6" Wood Tie Wall Deadman At 6' | 403.53 | 123.13 |
| | | *For >3:1 Sloped Soil At Top, Add* | *13.36* | |
| 32 32 29 00-0066 | LF | 4' High, 8" x 8" Wood Tie Wall Deadman At 6' | 393.19 | 105.54 |
| | | *For >3:1 Sloped Soil At Top, Add* | *15.48* | |
| 32 32 29 00-0067 | LF | 6' High, 8" x 8" Wood Tie Wall Deadman At 6' | 590.86 | 158.31 |
| | | *For >3:1 Sloped Soil At Top, Add* | *23.30* | |
| 32 32 29 00-0068 | LF | 8' High, 8" x 8" Wood Tie Wall Deadman At 6' | 780.55 | 208.16 |
| | | *For >3:1 Sloped Soil At Top, Add* | *30.96* | |

### 32 32 29 00-0069 Cedar *(32 32 29 00-0061)*

| | | | | |
|---|---|---|---|---|
| 32 32 29 00-0070 | LF | 2' High, 6" x 6" Wood Tie Wall | 116.21 | 36.01 |
| | | *For >3:1 Sloped Soil At Top, Add* | *3.75* | |
| 32 32 29 00-0071 | LF | 4' High, 6" x 6" Wood Tie Wall Deadman At 6' | 263.87 | 82.11 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.47* | |
| 32 32 29 00-0072 | LF | 6' High, 6" x 6" Wood Tie Wall Deadman At 6' | 395.86 | 123.13 |
| | | *For >3:1 Sloped Soil At Top, Add* | *12.71* | |
| 32 32 29 00-0073 | LF | 4' High, 8" x 8" Wood Tie Wall Deadman At 6' | 379.77 | 105.54 |
| | | *For >3:1 Sloped Soil At Top, Add* | *14.34* | |
| 32 32 29 00-0074 | LF | 6' High, 8" x 8" Wood Tie Wall Deadman At 6' | 571.69 | 158.31 |
| | | *For >3:1 Sloped Soil At Top, Add* | *21.68* | |
| 32 32 29 00-0075 | LF | 8' High, 8" x 8" Wood Tie Wall Deadman At 6' | 753.70 | 208.16 |
| | | *For >3:1 Sloped Soil At Top, Add* | *28.68* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **32 32 29 00-0076** | | **Creosoted Wood** *(32 32 29 00-0061)* | | |
| 32 32 29 00-0077 | LF | 2' High, 6" x 8" Wood Tie Wall | 128.26 | 47.77 |
| | | *For >3:1 Sloped Soil At Top, Add* | *2.78* | |
| 32 32 29 00-0078 | LF | 4' High, 6" x 8" Wood Tie Wall Deadman At 6' | 293.72 | 109.91 |
| | | *For >3:1 Sloped Soil At Top, Add* | *6.27* | |
| 32 32 29 00-0079 | LF | 6' High, 6" x 8" Wood Tie Wall Deadman At 6' | 435.61 | 162.68 |
| | | *For >3:1 Sloped Soil At Top, Add* | *9.37* | |
| 32 32 29 00-0080 | LF | 4' High, 7" x 9" Wood Tie Wall Deadman At 6' | 590.26 | 221.27 |
| | | *For >3:1 Sloped Soil At Top, Add* | *12.55* | |
| 32 32 29 00-0081 | LF | 6' High, 7" x 9" Wood Tie Wall Deadman At 6' | 859.39 | 322.34 |
| | | *For >3:1 Sloped Soil At Top, Add* | *18.25* | |
| 32 32 29 00-0082 | LF | 8' High, 7" x 9" Wood Tie Wall Deadman At 6' | 1,140.43 | 427.36 |
| | | *For >3:1 Sloped Soil At Top, Add* | *24.28* | |
| **32 32 29 00-0083** | | **Pressure Treated Wood** *(32 32 29 00-0061)* | | |
| 32 32 29 00-0084 | LF | 2' High, 6" x 6" Wood Tie Wall | 102.75 | 29.76 |
| | | *For >3:1 Sloped Soil At Top, Add* | *3.67* | |
| 32 32 29 00-0085 | LF | 4' High, 6" x 6" Wood Tie Wall Deadman At 6' | 233.59 | 67.44 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.39* | |
| 32 32 29 00-0086 | LF | 6' High, 6" x 6" Wood Tie Wall Deadman At 6' | 349.90 | 101.16 |
| | | *For >3:1 Sloped Soil At Top, Add* | *12.55* | |
| 32 32 29 00-0087 | LF | 4' High, 8" x 8" Wood Tie Wall Deadman At 6' | 378.41 | 121.67 |
| | | *For >3:1 Sloped Soil At Top, Add* | *11.49* | |
| 32 32 29 00-0088 | LF | 6' High, 8" x 8" Wood Tie Wall Deadman At 6' | 568.72 | 181.83 |
| | | *For >3:1 Sloped Soil At Top, Add* | *17.44* | |
| 32 32 29 00-0089 | LF | 8' High, 8" x 8" Wood Tie Wall Deadman At 6' | 753.83 | 241.78 |
| | | *For >3:1 Sloped Soil At Top, Add* | *22.98* | |

## 32 32 53 Stone Retaining Walls *(32 32)*

**32 32 53 00-0001 Stone Retaining Walls** *(32 32 53)*

Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

**32 32 53 00-0002 Stone Retaining Walls** *(32 32 53 00-0001)*

Note: Stone at $16.00/ton.

| | | | | |
|---|---|---|---|---|
| 32 32 53 00-0003 | LF | $16.00/ton 3' High Stone Retaining Wall, Dry Set | 470.61 | 209.07 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.45* | |
| 32 32 53 00-0004 | LF | $16.00/ton 4' High Stone Retaining Wall, Dry Set | 554.77 | 248.73 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.87* | |
| 32 32 53 00-0005 | LF | $16.00/ton 6' High Stone Retaining Wall, Dry Set | 727.90 | 330.46 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.70* | |
| 32 32 53 00-0006 | LF | $16.00/ton 8' High Stone Retaining Wall, Dry Set | 1,119.93 | 516.68 |
| | | *For >3:1 Sloped Soil At Top, Add* | *7.35* | |
| 32 32 53 00-0007 | LF | $16.00/ton 10' High Stone Retaining Wall, Dry Set | 1,454.14 | 675.87 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.70* | |
| 32 32 53 00-0008 | LF | $16.00/ton 12' High Stone Retaining Wall, Dry Set | 1,804.00 | 841.66 |
| | | *For >3:1 Sloped Soil At Top, Add* | *10.25* | |
| 32 32 53 00-0009 | LF | $16.00/ton 3' High Stone Retaining Wall, Mortar Set | 422.59 | 185.10 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.45* | |
| 32 32 53 00-0010 | LF | $16.00/ton 4' High Stone Retaining Wall, Mortar Set | 495.33 | 219.01 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.87* | |
| 32 32 53 00-0011 | LF | $16.00/ton 6' High Stone Retaining Wall, Mortar Set | 640.16 | 286.52 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.70* | |
| 32 32 53 00-0012 | LF | $16.00/ton 8' High Stone Retaining Wall, Mortar Set | 978.70 | 446.09 |
| | | *For >3:1 Sloped Soil At Top, Add* | *7.35* | |
| 32 32 53 00-0013 | LF | $16.00/ton 10' High Stone Retaining Wall, Mortar Set | 1,256.04 | 576.86 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.70* | |
| 32 32 53 00-0014 | LF | $16.00/ton 12' High Stone Retaining Wall, Mortar Set | 1,559.63 | 719.52 |
| | | *For >3:1 Sloped Soil At Top, Add* | *10.25* | |

**32 32 53 00-0015 Stone Retaining Walls** *(32 32 53 00-0001)*

Note: Stone at $32.00/ton.

| | | | | |
|---|---|---|---|---|
| 32 32 53 00-0016 | LF | $32.00/ton 3' High Stone Retaining Wall, Dry Set | 486.45 | 209.07 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.80* | |
| 32 32 53 00-0017 | LF | $32.00/ton 4' High Stone Retaining Wall, Dry Set | 576.70 | 248.73 |
| | | *For >3:1 Sloped Soil At Top, Add* | *6.73* | |
| 32 32 53 00-0018 | LF | $32.00/ton 6' High Stone Retaining Wall, Dry Set | 759.58 | 330.46 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.39* | |
| 32 32 53 00-0019 | LF | $32.00/ton 8' High Stone Retaining Wall, Dry Set | 1,166.23 | 516.68 |
| | | *For >3:1 Sloped Soil At Top, Add* | *11.29* | |
| 32 32 53 00-0020 | LF | $32.00/ton 10' High Stone Retaining Wall, Dry Set | 1,517.50 | 675.87 |
| | | *For >3:1 Sloped Soil At Top, Add* | *14.09* | |
| 32 32 53 00-0021 | LF | $32.00/ton 12' High Stone Retaining Wall, Dry Set | 1,884.42 | 841.66 |
| | | *For >3:1 Sloped Soil At Top, Add* | *17.09* | |
| 32 32 53 00-0022 | LF | $32.00/ton 3' High Stone Retaining Wall, Mortar Set | 438.43 | 185.10 |
| | | *For >3:1 Sloped Soil At Top, Add* | *5.80* | |
| 32 32 53 00-0023 | LF | $32.00/ton 4' High Stone Retaining Wall, Mortar Set | 517.26 | 219.01 |
| | | *For >3:1 Sloped Soil At Top, Add* | *6.73* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 32 53 00-0024 | LF | $32.00/ton 6' High Stone Retaining Wall, Mortar Set | 671.84 | 286.52 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.39* | |
| 32 32 53 00-0025 | LF | $32.00/ton 8' High Stone Retaining Wall, Mortar Set | 1,025.00 | 446.09 |
| | | *For >3:1 Sloped Soil At Top, Add* | *11.29* | |
| 32 32 53 00-0026 | LF | $32.00/ton 10' High Stone Retaining Wall, Mortar Set | 1,319.40 | 576.86 |
| | | *For >3:1 Sloped Soil At Top, Add* | *14.09* | |
| 32 32 53 00-0027 | LF | $32.00/ton 12' High Stone Retaining Wall, Mortar Set | 1,640.05 | 719.52 |
| | | *For >3:1 Sloped Soil At Top, Add* | *17.09* | |

### 32 32 53 00-0028 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $48.00/ton.

| | | | | |
|---|---|---|---|---|
| 32 32 53 00-0029 | LF | $48.00/ton 3' High Stone Retaining Wall, Dry Set | 503.51 | 209.07 |
| | | *For >3:1 Sloped Soil At Top, Add* | *7.25* | |
| 32 32 53 00-0030 | LF | $48.00/ton 4' High Stone Retaining Wall, Dry Set | 598.39 | 248.73 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.58* | |
| 32 32 53 00-0031 | LF | $48.00/ton 6' High Stone Retaining Wall, Dry Set | 790.04 | 330.46 |
| | | *For >3:1 Sloped Soil At Top, Add* | *10.98* | |
| 32 32 53 00-0032 | LF | $48.00/ton 8' High Stone Retaining Wall, Dry Set | 1,212.53 | 516.68 |
| | | *For >3:1 Sloped Soil At Top, Add* | *15.22* | |
| 32 32 53 00-0033 | LF | $48.00/ton 10' High Stone Retaining Wall, Dry Set | 1,580.86 | 675.87 |
| | | *For >3:1 Sloped Soil At Top, Add* | *19.47* | |
| 32 32 53 00-0034 | LF | $48.00/ton 12' High Stone Retaining Wall, Dry Set | 1,966.05 | 841.66 |
| | | *For >3:1 Sloped Soil At Top, Add* | *24.03* | |
| 32 32 53 00-0035 | LF | $48.00/ton 3' High Stone Retaining Wall, Mortar Set | 455.49 | 185.10 |
| | | *For >3:1 Sloped Soil At Top, Add* | *7.25* | |
| 32 32 53 00-0036 | LF | $48.00/ton 4' High Stone Retaining Wall, Mortar Set | 539.19 | 219.01 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.60* | |
| 32 32 53 00-0037 | LF | $48.00/ton 6' High Stone Retaining Wall, Mortar Set | 702.30 | 286.52 |
| | | *For >3:1 Sloped Soil At Top, Add* | *10.98* | |
| 32 32 53 00-0038 | LF | $48.00/ton 8' High Stone Retaining Wall, Mortar Set | 1,071.30 | 446.09 |
| | | *For >3:1 Sloped Soil At Top, Add* | *15.22* | |
| 32 32 53 00-0039 | LF | $48.00/ton 10' High Stone Retaining Wall, Mortar Set | 1,382.76 | 576.86 |
| | | *For >3:1 Sloped Soil At Top, Add* | *19.47* | |
| 32 32 53 00-0040 | LF | $48.00/ton 12' High Stone Retaining Wall, Mortar Set | 1,721.68 | 719.52 |
| | | *For >3:1 Sloped Soil At Top, Add* | *24.03* | |

### 32 32 53 00-0041 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $64.00/ton.

| | | | | |
|---|---|---|---|---|
| 32 32 53 00-0042 | LF | $64.00/ton 3' High Stone Retaining Wall, Dry Set | 520.57 | 209.07 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.70* | |
| 32 32 53 00-0043 | LF | $64.00/ton 4' High Stone Retaining Wall, Dry Set | 596.20 | 248.73 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.39* | |
| 32 32 53 00-0044 | LF | $64.00/ton 6' High Stone Retaining Wall, Dry Set | 822.93 | 330.46 |
| | | *For >3:1 Sloped Soil At Top, Add* | *13.77* | |
| 32 32 53 00-0045 | LF | $64.00/ton 8' High Stone Retaining Wall, Dry Set | 1,261.27 | 516.68 |
| | | *For >3:1 Sloped Soil At Top, Add* | *19.37* | |
| 32 32 53 00-0046 | LF | $64.00/ton 10' High Stone Retaining Wall, Dry Set | 1,646.66 | 675.87 |
| | | *For >3:1 Sloped Soil At Top, Add* | *25.06* | |
| 32 32 53 00-0047 | LF | $64.00/ton 12' High Stone Retaining Wall, Dry Set | 2,048.91 | 841.66 |
| | | *For >3:1 Sloped Soil At Top, Add* | *31.07* | |
| 32 32 53 00-0048 | LF | $64.00/ton 3' High Stone Retaining Wall, Mortar Set | 472.55 | 185.10 |
| | | *For >3:1 Sloped Soil At Top, Add* | *8.70* | |
| 32 32 53 00-0049 | LF | $64.00/ton 4' High Stone Retaining Wall, Mortar Set | 561.12 | 219.01 |
| | | *For >3:1 Sloped Soil At Top, Add* | *10.46* | |
| 32 32 53 00-0050 | LF | $64.00/ton 6' High Stone Retaining Wall, Mortar Set | 735.19 | 286.52 |
| | | *For >3:1 Sloped Soil At Top, Add* | *13.77* | |
| 32 32 53 00-0051 | LF | $64.00/ton 8' High Stone Retaining Wall, Mortar Set | 1,120.04 | 446.09 |
| | | *For >3:1 Sloped Soil At Top, Add* | *19.37* | |
| 32 32 53 00-0052 | LF | $64.00/ton 10' High Stone Retaining Wall, Mortar Set | 1,448.56 | 576.86 |
| | | *For >3:1 Sloped Soil At Top, Add* | *25.06* | |
| 32 32 53 00-0053 | LF | $64.00/ton 12' High Stone Retaining Wall, Mortar Set | 1,804.54 | 719.52 |
| | | *For >3:1 Sloped Soil At Top, Add* | *31.07* | |

## 32 33 Site Furnishings *(32 30)*

### 32 33 13 Site Bicycle Racks *(32 33)*

#### 32 33 13 00-0001 Bicycle Organizer And Rack *(32 33 13)*

#### 32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized *(32 33 13 00-0001)*

#### 32 33 13 00-0003 Double Sided *(32 33 13 00-0002)*

| | | | | |
|---|---|---|---|---|
| 32 33 13 00-0004 | EA | 5' Galvanized Steel Double Sided Bike Rack, 9 Bikes | 804.84 | 140.05 |
| 32 33 13 00-0005 | EA | 10' Galvanized Steel Double Sided Bike Rack, 18 Bikes | 1,214.36 | 230.08 |
| 32 33 13 00-0006 | EA | 20' Galvanized Steel Double Sided Bike Rack, 36 Bikes | 2,091.00 | 350.13 |

#### 32 33 13 00-0007 Single Sided *(32 33 13 00-0002)*

| | | | | |
|---|---|---|---|---|
| 32 33 13 00-0008 | EA | 5' Galvanized Steel Single Sided Bike Rack, 5 Bikes | 704.65 | 125.05 |
| 32 33 13 00-0009 | EA | 10' Galvanized Steel Single Sided Bike Rack, 9 Bikes | 997.13 | 208.08 |
| 32 33 13 00-0010 | EA | 20' Galvanized Steel Single Sided Bike Rack, 18 Bikes | 1,708.26 | 312.62 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **32 33 13 00-0011** | | **Anchor Set For Vertical Style Bike Rack** *(32 33 13 00-0002)* | | |
| 32 33 13 00-0012 | PR | Anchor Set For Vertical Style Bike Rack<br>Note: Anchoring frame to ground. | 136.24 | |
| **32 33 13 00-0013** | | **Bike Racks Ground Loop** *(32 33 13 00-0001)*<br>Note: In-ground mount. | | |
| 32 33 13 00-0014 | EA | 83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes | 1,068.42 | 245.39 |
| **32 33 13 00-0015** | | **Serpentine Bike Racks** *(32 33 13 00-0001)*<br>Note: In-ground mount. | | |
| **32 33 13 00-0016** | | **Galvanized, 36" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)* | | |
| 32 33 13 00-0017 | EA | 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized | 591.19 | 150.06 |
| 32 33 13 00-0018 | EA | 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized | 803.11 | 162.56 |
| 32 33 13 00-0019 | EA | 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized | 1,015.05 | 175.07 |
| 32 33 13 00-0020 | EA | 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized | 1,253.69 | 187.57 |
| 32 33 13 00-0021 | EA | 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized | 1,492.34 | 200.07 |
| 32 33 13 00-0022 | EA | 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized | 1,624.16 | 212.58 |
| **32 33 13 00-0023** | | **Galvanized, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)* | | |
| 32 33 13 00-0024 | EA | 1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized | 669.48 | 150.06 |
| 32 33 13 00-0025 | EA | 3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized | 859.56 | 162.56 |
| 32 33 13 00-0026 | EA | 5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized | 1,049.64 | 175.07 |
| 32 33 13 00-0027 | EA | 7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized | 1,219.10 | 187.57 |
| 32 33 13 00-0028 | EA | 9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized | 1,409.19 | 200.07 |
| 32 33 13 00-0029 | EA | 11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized | 1,640.55 | 212.58 |
| 32 33 13 00-0030 | EA | 13' x 42" High Serpentine Bike Rack, 15 Bikes, Galvanized | 1,933.80 | 250.10 |
| 32 33 13 00-0031 | EA | 15' x 42" High Serpentine Bike Rack, 17 Bikes, Galvanized | 2,247.69 | 237.60 |
| 32 33 13 00-0032 | EA | 17' x 42" High Serpentine Bike Rack, 19 Bikes, Galvanized | 2,540.95 | 250.10 |
| **32 33 13 00-0033** | | **Powder Coated, 36" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)* | | |
| 32 33 13 00-0034 | EA | 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated | 591.19 | 150.06 |
| 32 33 13 00-0035 | EA | 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated | 803.11 | 162.56 |
| 32 33 13 00-0036 | EA | 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated | 1,015.05 | 175.07 |
| 32 33 13 00-0037 | EA | 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated | 1,253.69 | 187.57 |
| 32 33 13 00-0038 | EA | 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated | 1,492.34 | 200.07 |
| 32 33 13 00-0039 | EA | 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated | 1,624.16 | 212.58 |
| **32 33 13 00-0040** | | **Powder Coated, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)* | | |
| 32 33 13 00-0041 | EA | 1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated | 690.11 | 150.06 |
| 32 33 13 00-0042 | EA | 3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated | 900.83 | 162.56 |
| 32 33 13 00-0043 | EA | 5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated | 1,090.91 | 175.07 |
| 32 33 13 00-0044 | EA | 7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated | 1,322.27 | 187.57 |
| 32 33 13 00-0045 | EA | 9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated | 1,512.36 | 200.07 |
| 32 33 13 00-0046 | EA | 11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated | 1,764.36 | 212.58 |
| 32 33 13 00-0047 | EA | 13' x 42" High Serpentine Bike Rack, 15 Bikes, Powder Coated | 2,098.87 | 250.10 |
| 32 33 13 00-0048 | EA | 15' x 42" High Serpentine Bike Rack, 17 Bikes, Powder Coated | 2,433.40 | 237.60 |
| 32 33 13 00-0049 | EA | 17' x 42" High Serpentine Bike Rack, 19 Bikes, Powder Coated | 2,747.30 | 250.10 |
| **32 33 13 00-0050** | | **Stainless Steel, 36" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)* | | |
| 32 33 13 00-0051 | EA | 1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel | 1,117.23 | 150.06 |
| 32 33 13 00-0052 | EA | 3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel | 1,666.95 | 162.56 |
| 32 33 13 00-0053 | EA | 5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel | 2,216.71 | 175.07 |
| 32 33 13 00-0054 | EA | 7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel | 2,841.44 | 187.57 |
| 32 33 13 00-0055 | EA | 9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel | 3,466.15 | 200.07 |
| 32 33 13 00-0056 | EA | 11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel | 3,791.01 | 212.58 |
| **32 33 13 00-0057** | | **Stainless Steel, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)* | | |
| 32 33 13 00-0058 | EA | 1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel | 875.83 | 150.06 |
| 32 33 13 00-0059 | EA | 3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel | 1,932.56 | 162.56 |
| 32 33 13 00-0060 | EA | 5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel | 2,535.33 | 175.07 |
| 32 33 13 00-0061 | EA | 7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel | 3,096.84 | 187.57 |
| 32 33 13 00-0062 | EA | 9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel | 3,679.00 | 200.07 |
| 32 33 13 00-0063 | EA | 11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel | 4,281.78 | 212.58 |
| 32 33 13 00-0064 | EA | 13' x 42" High Serpentine Bike Rack, 15 Bikes, Stainless Steel | 4,802.01 | 250.10 |
| 32 33 13 00-0065 | EA | 15' x 42" High Serpentine Bike Rack, 17 Bikes, Stainless Steel | 5,528.59 | 237.60 |
| 32 33 13 00-0066 | EA | 17' x 42" High Serpentine Bike Rack, 19 Bikes, Stainless Steel | 6,234.55 | 250.10 |
| **32 33 13 00-0067** | | **Bike Racks Bollards/Bicycle Posts** *(32 33 13 00-0001)*<br>Note: In-ground mount. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 33 13 00-0068 | EA | 43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G) | 668.72 | 112.55 |
| **32 33 13 00-0069** | | **Surface Mounted Bike Rack** *(32 33 13 00-0001)* Note: Includes fastening to concrete. | | |
| 32 33 13 00-0070 | EA | 1 Loop, 2 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe SU Series) | 638.27 | 124.51 |
| 32 33 13 00-0071 | EA | 2 Loop, 4 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe GL Series) | 1,618.52 | 74.71 |
| 32 33 13 00-0072 | EA | 3 Loop, 4 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe GL Series) | 1,738.89 | 84.67 |
| 32 33 13 00-0073 | EA | 4 Loop, 8 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe GL Series) | 1,934.61 | 94.63 |
| 32 33 13 00-0074 | EA | 5 Loop, 10 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe GL Series) | 2,080.09 | 104.59 |
| 32 33 13 00-0075 | EA | 6 Loop, 12 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe GL Series) | 2,225.57 | 114.55 |
| 32 33 13 00-0076 | EA | 7 Loop, 14 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe GL Series) | 2,496.63 | 124.51 |
| **32 33 23** | | **Site Trash and Litter Receptacles** *(32 33)* | | |
| 32 33 23 00-0001 | | Steel Trash Containment *(32 33 23)* | | |
| 32 33 23 00-0002 | | Steel Frame Surrounded With Kiln-Dried Wood *(32 33 23 00-0001)* | | |
| 32 33 23 00-0003 | EA | 13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood | 570.39 | 59.77 |
| 32 33 23 00-0004 | EA | 24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood | 544.65 | 59.77 |
| 32 33 23 00-0005 | EA | 21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood | 544.65 | 59.77 |
| 32 33 23 00-0006 | EA | 24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood | 515.69 | 59.77 |
| 32 33 23 00-0007 | EA | 18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood | 570.39 | 59.77 |
| 32 33 23 00-0008 | EA | 23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood | 515.69 | 59.77 |
| 32 33 23 00-0009 | EA | 24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood | 705.52 | 59.77 |
| 32 33 23 00-0010 | | Square Steel Frames Surrounded With Flat Steel *(32 33 23 00-0001)* | | |
| 32 33 23 00-0011 | EA | 26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround | 1,029.31 | 59.77 |
| 32 33 23 00-0012 | EA | 26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround | 1,111.07 | 59.77 |
| 32 33 23 00-0013 | EA | 26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround | 1,111.07 | 59.77 |
| 32 33 23 00-0014 | | Round Steel Pipe And Flat Steel Frames *(32 33 23 00-0001)* Note: Surrounded with kiln-dried wood. | | |
| 32 33 23 00-0015 | EA | 21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood | 1,519.90 | 59.77 |
| 32 33 23 00-0016 | EA | 21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood | 1,636.71 | 59.77 |
| 32 33 23 00-0017 | EA | 21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood | 1,884.93 | 59.77 |
| 32 33 23 00-0018 | EA | 21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood | 1,709.71 | 59.77 |
| 32 33 23 00-0019 | | Round Steel Pipe Surrounded With Perforated *(32 33 23 00-0001)* | | |
| 32 33 23 00-0020 | EA | 21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe | 1,359.29 | 59.77 |
| 32 33 23 00-0021 | EA | 21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe | 1,476.10 | 59.77 |
| 32 33 23 00-0022 | EA | 21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe | 1,724.31 | 59.77 |
| 32 33 23 00-0023 | EA | 21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe | 1,563.70 | 59.77 |
| 32 33 23 00-0024 | | Round Steel Pipe Frames Surrounded With Welded Wire *(32 33 23 00-0001)* | | |
| 32 33 23 00-0025 | EA | 21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround | 1,081.87 | 59.77 |
| 32 33 23 00-0026 | EA | 21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround | 1,198.68 | 59.77 |
| 32 33 23 00-0027 | EA | 21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround | 1,446.90 | 59.77 |
| 32 33 23 00-0028 | EA | 21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround | 1,286.29 | 59.77 |
| 32 33 23 00-0029 | | Litter Baskets *(32 33 23)* | | |
| 32 33 23 00-0030 | | Round Wire Litter Baskets *(32 33 23 00-0029)* | | |
| 32 33 23 00-0031 | EA | 1.33' Diameter x 1.83' High Round Wire Litter Basket | 190.40 | 6.08 |
| 32 33 23 00-0032 | EA | 1.5' Diameter x 1.83' High Round Wire Litter Basket | 240.36 | 6.08 |
| 32 33 23 00-0033 | EA | 1.75' Diameter x 2.33' High Round Wire Litter Basket | 325.15 | 6.08 |
| 32 33 23 00-0034 | EA | 1.83' Diameter x 2.83' High Round Wire Litter Basket | 372.99 | 6.08 |
| 32 33 23 00-0035 | | Trash Can/Wire Basket Holder *(32 33 23 00-0029)* | | |
| 32 33 23 00-0036 | EA | Steel Post, Single Holder | 273.15 | 48.80 |
| 32 33 23 00-0037 | EA | Steel Post, Double Holder | 368.77 | 48.80 |
| 32 33 23 00-0038 | EA | Redwood Post, Single Holder | 144.97 | 48.80 |
| 32 33 23 00-0039 | EA | Redwood Post, Double Holder | 166.44 | 48.80 |
| 32 33 23 00-0040 | | Litter Receptacles, Freestanding *(32 33 23 00-0029)* Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube. | | |
| 32 33 23 00-0041 | EA | 16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded | 1,529.84 | 24.90 |
| | | *For Powder Coated Sand Pan, Add* | *50.00* | |
| | | *For Orange Peel Lid, Add* | *25.00* | |
| | | *For Polished Granite Lid, Add* | *50.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 33 23 00-0042 | EA | 16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded | 1,610.28 | 24.90 |
| | | *For Powder Coated Sand Pan, Add* | *50.00* | |
| | | *For Orange Peel Lid, Add* | *25.00* | |
| | | *For Polished Granite Lid, Add* | *50.00* | |
| 32 33 23 00-0043 | EA | 20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded | 1,876.49 | 37.34 |
| | | *For Powder Coated Sand Pan, Add* | *50.00* | |
| | | *For Orange Peel Lid, Add* | *25.00* | |
| | | *For Polished Granite Lid, Add* | *50.00* | |
| 32 33 23 00-0044 | EA | 20" Diameter x 40" High Litter Receptacle, Freestanding Embedded | 1,956.93 | 37.34 |
| | | *For Powder Coated Sand Pan, Add* | *50.00* | |
| | | *For Orange Peel Lid, Add* | *25.00* | |
| | | *For Polished Granite Lid, Add* | *50.00* | |
| 32 33 23 00-0045 | EA | 16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole | 2,037.37 | 37.34 |
| | | *For Powder Coated Sand Pan, Add* | *50.00* | |
| | | *For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add* | *22.50* | |
| | | *For Orange Peel Lid, Add* | *25.00* | |
| | | *For Polished Granite Lid, Add* | *50.00* | |
| 32 33 23 00-0046 | EA | 16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole | 2,117.81 | 37.34 |
| | | *For Powder Coated Sand Pan, Add* | *50.00* | |
| | | *For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add* | *22.50* | |
| | | *For Orange Peel Lid, Add* | *25.00* | |
| | | *For Polished Granite Lid, Add* | *50.00* | |
| 32 33 23 00-0047 | EA | 16" Diameter x 28" High Litter Receptacle, Wall Mount | 1,689.57 | 32.37 |
| | | *For Powder Coated Sand Pan, Add* | *50.00* | |
| | | *For Orange Peel Lid, Add* | *25.00* | |
| | | *For Polished Granite Lid, Add* | *50.00* | |
| | | *For 1-1/2" x 6" Diameter Metal Cover Plate , Add* | *20.00* | |
| 32 33 23 00-0048 | EA | 16" Diameter x 32" High Litter Receptacle, Wall Mount | 1,770.01 | 32.37 |
| | | *For Powder Coated Sand Pan, Add* | *50.00* | |
| | | *For Orange Peel Lid, Add* | *25.00* | |
| | | *For Polished Granite Lid, Add* | *50.00* | |
| | | *For 1-1/2" x 6" Diameter Metal Cover Plate , Add* | *20.00* | |

### 32 33 23 00-0049 Ash Receptacles *(32 33 23)*

| | | | | |
|---|---|---|---|---|
| 32 33 23 00-0050 | EA | 12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded | 660.33 | 24.90 |
| | | *For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add* | *22.50* | |
| | | *For Sand Pan, Add* | *110.00* | |
| | | *For Bowl And Funnel, Add* | *120.00* | |
| 32 33 23 00-0051 | EA | 18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner | 281.84 | 24.90 |

### 32 33 23 00-0052 Trash Receptacles *(32 33 23)*

| | | | | |
|---|---|---|---|---|
| 32 33 23 00-0053 | EA | Outdoor Covered Steel Receptacle With Liner | 1,256.36 | 24.90 |
| 32 33 23 00-0054 | EA | Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame | 431.30 | 24.90 |
| 32 33 23 00-0055 | EA | 24" x 24" Square Trash Containment With Exposed Aggregate Finish | 712.29 | 24.90 |
| 32 33 23 00-0056 | EA | 30" x 30" Square Trash Containment With Exposed Aggregate Finish | 743.25 | 27.39 |
| 32 33 23 00-0057 | EA | 36" x 36" Square Trash Containment With Exposed Aggregate Finish | 800.19 | 29.88 |
| 32 33 23 00-0058 | EA | 32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber | 501.06 | 19.92 |
| 32 33 23 00-0059 | EA | 32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber | 597.15 | 19.92 |
| 32 33 23 00-0060 | EA | 24" x 24" Square 18" High Trash Receptacle, Fiberglass | 1,160.70 | 24.90 |
| 32 33 23 00-0061 | EA | 25" Square x 34" Height, Concrete Trash Receptacle With "C" Style Lid (Quick Crete QS-CAL2534W-C21) | 1,498.74 | 32.87 |

### 32 33 23 00-0062 Trash Containers (Dumpsters) *(32 33 23)*

| | | | | |
|---|---|---|---|---|
| 32 33 23 00-0063 | EA | 1 CY Straight Side Trash Dumpster | 311.21 | |
| 32 33 23 00-0064 | EA | 1.5 CY Straight Side Trash Dumpster | 466.82 | |
| 32 33 23 00-0065 | EA | 2 CY Straight Side Trash Dumpster | 622.43 | |
| 32 33 23 00-0066 | EA | 2 CY Sloped Side Trash Dumpster | 622.43 | |
| 32 33 23 00-0067 | EA | 3 CY Sloped Side Trash Dumpster | 933.64 | |
| 32 33 23 00-0068 | EA | 4 CY Sloped Side Trash Dumpster | 1,244.85 | |
| 32 33 23 00-0069 | EA | 6 CY Sloped Side Trash Dumpster | 1,867.28 | |
| 32 33 23 00-0070 | EA | 8 CY Sloped Side Trash Dumpster | 2,489.71 | |

## 32 33 33 Site Manufactured Planters *(32 33)*

### 32 33 33 00-0001 Precast Concrete Planters *(32 33 33)*

### 32 33 33 00-0002 Circular Precast Concrete Planters *(32 33 33 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 33 33 00-0003 | EA | 24" Diameter, 17" Height, Circular Precast Concrete Planter | 766.52 | 29.35 |
| 32 33 33 00-0004 | EA | 24" Diameter, 24" Height, Circular Precast Concrete Planter | 858.74 | 35.21 |
| 32 33 33 00-0005 | EA | 24" Diameter, 33" Height, Circular Precast Concrete Planter | 939.23 | 35.21 |
| 32 33 33 00-0006 | EA | 30" Diameter, 17" Height, Circular Precast Concrete Planter | 1,019.62 | 41.09 |
| 32 33 33 00-0007 | EA | 30" Diameter, 30" Height, Circular Precast Concrete Planter | 1,234.85 | 52.82 |
| 32 33 33 00-0008 | EA | 36" Diameter, 24" Height, Circular Precast Concrete Planter | 1,343.75 | 52.82 |
| 32 33 33 00-0009 | EA | 36" Diameter, 30" Height, Circular Precast Concrete Planter | 1,514.09 | 58.70 |
| 32 33 33 00-0010 | EA | 48" Diameter, 17" Height, Circular Precast Concrete Planter | 1,599.31 | 58.70 |
| 32 33 33 00-0011 | EA | 48" Diameter, 24" Height, Circular Precast Concrete Planter | 1,782.54 | 73.37 |
| 32 33 33 00-0012 | EA | 48" Diameter, 30" Height, Circular Precast Concrete Planter | 1,896.10 | 78.06 |
| 32 33 33 00-0013 | EA | 48" Diameter, 36" Height, Circular Precast Concrete Planter | 1,975.33 | 82.17 |
| 32 33 33 00-0014 | EA | 60" Diameter, 17" Height, Circular Precast Concrete Planter | 1,793.55 | 73.37 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 33 33 00-0015 | EA | 60" Diameter, 24" Height, Circular Precast Concrete Planter | 1,972.96 | 82.17 |
| 32 33 33 00-0016 | EA | 60" Diameter, 36" Height, Circular Precast Concrete Planter | 2,526.81 | 88.04 |
| 32 33 33 00-0017 | EA | 72" Diameter, 36" Height, Circular Precast Concrete Planter | 3,279.22 | 111.52 |
| 32 33 33 00-0018 | EA | 84" Diameter, 36" Height, Circular Precast Concrete Planter | 3,809.41 | 117.38 |
| **32 33 33 00-0019** | | **Square Precast Concrete Planters** *(32 33 33 00-0001)* | | |
| 32 33 33 00-0020 | EA | 36" Square, 30" Height, Square Precast Concrete Planter | 1,546.23 | 76.30 |
| 32 33 33 00-0021 | EA | 42" Square, 30" Height, Square Precast Concrete Planter | 1,769.99 | 82.17 |
| 32 33 33 00-0022 | EA | 60" Square, 36" Height, Square Precast Concrete Planter | 2,794.22 | 93.91 |
| 32 33 33 00-0023 | EA | 72" Square, 36" Height, Square Precast Concrete Planter | 2,981.14 | 99.78 |
| **32 33 33 00-0024** | | **Rectangular Precast Concrete Planters** *(32 33 33 00-0001)* | | |
| 32 33 33 00-0025 | EA | 33" x 18", 20" Height, Rectangular Precast Concrete Planter | 894.25 | 35.21 |
| 32 33 33 00-0026 | EA | 48" x 18", 20" Height, Rectangular Precast Concrete Planter | 1,050.20 | 52.82 |
| 32 33 33 00-0027 | EA | 60" x 18", 20" Height, Rectangular Precast Concrete Planter | 1,218.18 | 58.70 |
| 32 33 33 00-0028 | EA | 72" x 18", 20" Height, Rectangular Precast Concrete Planter | 1,387.20 | 73.37 |
| **32 33 33 00-0029** | | **Fiberglass Planters** *(32 33 33)* | | |
| **32 33 33 00-0030** | | **Circular Fiberglass Planters** *(32 33 33 00-0029)* | | |
| 32 33 33 00-0031 | EA | 36" Diameter, 27" High, Circular Fiberglass Planter | 2,084.02 | 29.35 |
| 32 33 33 00-0032 | EA | 60" Diameter, 39" High, Circular Fiberglass Planter | 3,479.83 | 29.35 |
| 32 33 33 00-0033 | EA | 36" Diameter, 24" High, Circular Fiberglass Planter | 1,383.62 | 29.35 |
| 32 33 33 00-0034 | EA | 60" Diameter, 24" High, Circular Fiberglass Planter | 2,744.01 | 29.35 |
| **32 33 33 00-0035** | | **Tapered Circular Fiberglass Planters** *(32 33 33 00-0029)* | | |
| 32 33 33 00-0036 | EA | 24" Diameter, 20" High, Tapered Circular Fiberglass Planter | 800.21 | 29.35 |
| 32 33 33 00-0037 | EA | 30" Diameter, 25" High, Tapered Circular Fiberglass Planter | 1,181.31 | 29.35 |
| 32 33 33 00-0038 | EA | 36" Diameter, 30" High, Tapered Circular Fiberglass Planter | 2,119.44 | 29.35 |
| 32 33 33 00-0039 | EA | 40" Diameter, 36" High, Tapered Circular Fiberglass Planter | 2,966.54 | 29.35 |
| **32 33 33 00-0040** | | **Square Fiberglass Planters** *(32 33 33 00-0029)* | | |
| 32 33 33 00-0041 | EA | 24" Square, 21" High, Square Fiberglass Planter | 1,056.29 | 29.35 |
| 32 33 33 00-0042 | EA | 24" Square, 24" High, Square Fiberglass Planter | 1,080.17 | 29.35 |
| 32 33 33 00-0043 | EA | 30" Square, 12" High, Square Fiberglass Planter | 1,092.80 | 29.35 |
| 32 33 33 00-0044 | EA | 30" Square, 21" High, Square Fiberglass Planter | 1,242.01 | 29.35 |
| 32 33 33 00-0045 | EA | 30" Square, 24" High, Square Fiberglass Planter | 1,350.72 | 29.35 |
| **32 33 33 00-0046** | | **Rectangular Fiberglass Planters** *(32 33 33 00-0029)* | | |
| 32 33 33 00-0047 | EA | 48" x 12", 12" High, Rectangular Fiberglass Planter | 1,218.38 | 29.35 |
| 32 33 33 00-0048 | EA | 48" x 12", 21" High, Rectangular Fiberglass Planter | 1,307.53 | 29.35 |
| 32 33 33 00-0049 | EA | 48" x 24", 12" High, Rectangular Fiberglass Planter | 1,709.00 | 29.35 |
| 32 33 33 00-0050 | EA | 48" x 24", 21" High, Rectangular Fiberglass Planter | 1,887.30 | 29.35 |
| **32 33 33 00-0051** | | **Timber Planters** *(32 33 33)* | | |
| **32 33 33 00-0052** | | **Square Timber Planters** *(32 33 33 00-0051)* | | |
| 32 33 33 00-0053 | EA | 14" Square, 30" High, Square Timber Planter | 527.02 | 59.77 |
| 32 33 33 00-0054 | EA | 21" Square, 30" High, Square Timber Planter | 527.02 | 59.77 |
| 32 33 33 00-0055 | EA | 27" Square, 30" High, Square Timber Planter | 978.45 | 59.77 |
| 32 33 33 00-0056 | EA | 34" Square, 30" High, Square Timber Planter | 851.29 | 59.77 |
| 32 33 33 00-0057 | EA | 41" Square, 36" High, Square Timber Planter | 1,010.24 | 59.77 |
| 32 33 33 00-0058 | EA | 54" Square, 36" High, Square Timber Planter | 2,561.64 | 59.77 |
| 32 33 33 00-0059 | EA | 81" Square, 36" High, Square Timber Planter | 3,839.63 | 59.77 |
| **32 33 33 00-0060** | | **Rectangular Timber Planters** *(32 33 33 00-0051)* | | |
| 32 33 33 00-0061 | EA | 21" x 14", 30" High, Rectangular Timber Planter | 520.66 | 59.77 |
| 32 33 33 00-0062 | EA | 27" x 14", 30" High, Rectangular Timber Planter | 577.88 | 59.77 |
| 32 33 33 00-0063 | EA | 27" x 21", 30" High, Rectangular Timber Planter | 749.55 | 59.77 |
| 32 33 33 00-0064 | EA | 34" x 21", 30" High, Rectangular Timber Planter | 825.85 | 59.77 |
| 32 33 33 00-0065 | EA | 41" x 21", 30" High, Rectangular Timber Planter | 1,054.75 | 59.77 |
| 32 33 33 00-0066 | EA | 34" x 27", 30" High, Rectangular Timber Planter | 1,220.06 | 59.77 |
| 32 33 33 00-0067 | EA | 41" x 27", 30" High, Rectangular Timber Planter | 1,359.94 | 59.77 |
| 32 33 33 00-0068 | EA | 54" x 27", 30" High, Rectangular Timber Planter | 1,760.51 | 59.77 |
| 32 33 33 00-0069 | EA | 54" x 34", 30" High, Rectangular Timber Planter | 1,983.04 | 59.77 |
| 32 33 33 00-0070 | EA | 68" x 34", 36" High, Rectangular Timber Planter | 2,256.45 | 59.77 |
| 32 33 33 00-0071 | EA | 54" x 41", 36" High, Rectangular Timber Planter | 2,148.36 | 59.77 |
| 32 33 33 00-0072 | EA | 68" x 41", 36" High, Rectangular Timber Planter | 2,428.12 | 59.77 |
| 32 33 33 00-0073 | EA | 81" x 41", 36" High, Rectangular Timber Planter | 2,714.23 | 59.77 |

**32 33 43 Site Seating and Tables** *(32 33)*


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **32 33 43 13** | | **Site Seating** *(32 33 43)* | | |
| 32 33 43 13-0001 | | Benches (Landscapeforms) *(32 33 43 13)*<br>Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete. | | |
| 32 33 43 13-0002 | EA | 72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade) | 1,657.25 | 99.60 |
| 32 33 43 13-0003 | EA | 72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade) | 2,065.50 | 99.60 |
| 32 33 43 13-0004 | EA | 96" Backed Wood Bench (Landscapeforms Balustrade) | 2,327.95 | 99.60 |
| 32 33 43 13-0005 | EA | End Loop Arms For Backed Bench (Landscapeforms Balustrade) | 195.61 | 24.90 |
| 32 33 43 13-0006 | EA | 72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's) | 1,809.39 | 99.60 |
| 32 33 43 13-0007 | EA | 96" Backless Wood Bench (Landscapeforms Gretchen's) | 2,043.95 | 99.60 |
| 32 33 43 13-0008 | EA | 72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's) | 2,227.79 | 99.60 |
| 32 33 43 13-0009 | EA | 96" Backed Wood Bench (Landscapeforms Gretchen's) | 2,513.05 | 99.60 |
| 32 33 43 13-0010 | EA | 72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's) | 2,544.75 | 99.60 |
| 32 33 43 13-0011 | EA | 96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's) | 2,830.02 | 99.60 |
| 32 33 43 13-0012 | EA | 59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park) | 3,296.08 | 99.60 |
| 32 33 43 13-0013 | EA | 75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park) | 3,580.34 | 99.60 |
| 32 33 43 13-0014 | EA | 42" Backless Metal Grid Bench (Landscapeforms Manistee) | 942.33 | 74.71 |
| 32 33 43 13-0015 | EA | 62" Backless Metal Grid Bench (Landscapeforms Manistee) | 1,017.13 | 74.71 |
| 32 33 43 13-0016 | EA | 72" Backless Metal Grid Bench (Landscapeforms Manistee) | 1,101.88 | 87.16 |
| 32 33 43 13-0017 | EA | 82" Backless Metal Grid Bench (Landscapeforms Manistee) | 1,281.41 | 87.16 |
| 32 33 43 13-0018 | EA | 42" Backed Metal Grid Bench (Landscapeforms Manistee) | 1,176.68 | 87.16 |
| 32 33 43 13-0019 | EA | 62" Backed Metal Grid Bench (Landscapeforms Manistee) | 1,251.48 | 87.16 |
| 32 33 43 13-0020 | EA | 72" Backed Metal Grid Bench (Landscapeforms Manistee) | 1,351.19 | 99.60 |
| 32 33 43 13-0021 | EA | 82" Backed Metal Grid Bench (Landscapeforms Manistee) | 1,545.68 | 99.60 |
| 32 33 43 13-0022 | EA | 42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee) | 1,311.33 | 87.16 |
| 32 33 43 13-0023 | EA | 62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee) | 1,411.03 | 99.60 |
| 32 33 43 13-0024 | EA | 72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee) | 1,485.83 | 99.60 |
| 32 33 43 13-0025 | EA | 82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee) | 1,680.32 | 99.60 |
| 32 33 43 13-0026 | EA | 72" Backless Solid Wood Bench (Landscapeforms Palisade) | 2,658.86 | 99.60 |
| 32 33 43 13-0027 | EA | 96" Backless Solid Wood Bench (Landscapeforms Palisade) | 3,051.89 | 99.60 |
| 32 33 43 13-0028 | EA | 70" Backless Perforated Metal Bench (Landscapeforms Petoskey) | 1,715.57 | 99.60 |
| 32 33 43 13-0029 | EA | 70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey) | 2,065.50 | 99.60 |
| 32 33 43 13-0030 | EA | 70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey) | 2,240.46 | 99.60 |
| 32 33 43 13-0031 | EA | 72" Backed Wood Bench (Landscapeforms Plainwell) | 2,183.41 | 99.60 |
| 32 33 43 13-0032 | EA | 72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell) | 2,417.97 | 99.60 |
| 32 33 43 13-0033 | EA | 96" Backed Wood Bench (Landscapeforms Plainwell) | 2,671.54 | 99.60 |
| 32 33 43 13-0034 | EA | 96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell) | 2,906.09 | 99.60 |
| 32 33 43 13-0035 | EA | 96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell) | 3,146.98 | 99.60 |
| 32 33 43 13-0036 | EA | 72" Backed Aluminum Bench (Landscapeforms Plainwell) | 2,772.97 | 99.60 |
| 32 33 43 13-0037 | EA | 72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell) | 3,007.52 | 99.60 |
| 32 33 43 13-0038 | EA | 96" Backed Aluminum Bench (Landscapeforms Plainwell) | 3,394.22 | 99.60 |
| 32 33 43 13-0039 | EA | 96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell) | 3,641.45 | 99.60 |
| 32 33 43 13-0040 | EA | 96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell) | 3,869.66 | 99.60 |
| 32 33 43 13-0041 | EA | Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus) | 633.03 | 24.90 |
| 32 33 43 13-0042 | EA | Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus) | 848.56 | 24.90 |
| 32 33 43 13-0043 | EA | Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus) | 848.56 | 24.90 |
| 32 33 43 13-0044 | EA | Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus) | 772.49 | 24.90 |
| 32 33 43 13-0045 | EA | Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus) | 956.33 | 24.90 |
| 32 33 43 13-0046 | EA | Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus) | 956.33 | 24.90 |
| 32 33 43 13-0047 | EA | Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus) | 956.33 | 24.90 |
| 32 33 43 13-0048 | EA | Armrest For Metal Grid Seats (Landscapeforms Plexus) | 195.61 | 24.90 |
| 32 33 43 13-0049 | EA | Backless Straight Metal Grid Seats (Landscapeforms Presidio) | 886.60 | 24.90 |
| 32 33 43 13-0050 | EA | Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio) | 981.69 | 24.90 |
| 32 33 43 13-0051 | EA | Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio) | 1,076.78 | 24.90 |
| 32 33 43 13-0052 | EA | Backless Angled Metal Grid Seats (Landscapeforms Presidio) | 1,070.44 | 24.90 |
| 32 33 43 13-0053 | EA | Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio) | 1,165.53 | 24.90 |
| 32 33 43 13-0054 | EA | Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio) | 1,260.62 | 24.90 |
| 32 33 43 13-0055 | EA | Backed Straight Metal Grid Seats (Landscapeforms Presidio) | 1,057.76 | 24.90 |
| 32 33 43 13-0056 | EA | Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio) | 1,152.85 | 24.90 |
| 32 33 43 13-0057 | EA | Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio) | 1,247.94 | 24.90 |
| 32 33 43 13-0058 | EA | Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio) | 1,292.31 | 24.90 |
| 32 33 43 13-0059 | EA | Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio) | 1,387.40 | 24.90 |
| 32 33 43 13-0060 | EA | Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio) | 1,482.49 | 24.90 |
| 32 33 43 13-0061 | EA | Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio) | 1,292.31 | 24.90 |
| 32 33 43 13-0062 | EA | Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio) | 1,387.40 | 24.90 |
| 32 33 43 13-0063 | EA | Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio) | 1,482.49 | 24.90 |
| 32 33 43 13-0064 | EA | 48" Backless Horizontal Strap Bench (Landscapeforms Scarborough) | 1,784.03 | 99.60 |
| 32 33 43 13-0065 | EA | 72" Backless Horizontal Strap Bench (Landscapeforms Scarborough) | 1,809.39 | 99.60 |
| 32 33 43 13-0066 | EA | 96" Backless Horizontal Strap Bench (Landscapeforms Scarborough) | 2,196.09 | 99.60 |
| 32 33 43 13-0067 | EA | 48" Backless Woven Bench (Landscapeforms Scarborough) | 2,658.86 | 99.60 |
| 32 33 43 13-0068 | EA | 72" Backless Woven Bench (Landscapeforms Scarborough) | 3,134.31 | 99.60 |
| 32 33 43 13-0069 | EA | 96" Backless Woven Bench (Landscapeforms Scarborough) | 3,584.40 | 99.60 |
| 32 33 43 13-0070 | EA | 24" Backed Horizontal Strap Bench (Landscapeforms Scarborough) | 1,441.71 | 99.60 |
| 32 33 43 13-0071 | EA | 48" Backed Horizontal Strap Bench (Landscapeforms Scarborough) | 1,910.82 | 99.60 |
| 32 33 43 13-0072 | EA | 72" Backed Horizontal Strap Bench (Landscapeforms Scarborough) | 1,955.20 | 99.60 |
| 32 33 43 13-0073 | EA | 72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough) | 2,246.80 | 99.60 |
| 32 33 43 13-0074 | EA | 96" Backed Horizontal Strap Bench (Landscapeforms Scarborough) | 2,532.07 | 99.60 |
| 32 33 43 13-0075 | EA | 96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough) | 2,830.02 | 99.60 |
| 32 33 43 13-0076 | EA | 96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough) | 3,121.63 | 99.60 |
| 32 33 43 13-0077 | EA | 24" Backed Woven Bench (Landscapeforms Scarborough) | 2,532.07 | 99.60 |
| 32 33 43 13-0078 | EA | 48" Backed Woven Bench (Landscapeforms Scarborough) | 3,058.23 | 99.60 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 33 43 13-0079 | EA | 72" Backed Woven Bench (Landscapeforms Scarborough) | 3,571.72 | 99.60 |
| 32 33 43 13-0080 | EA | 72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough) | 3,869.66 | 99.60 |
| 32 33 43 13-0081 | EA | 96" Backed Woven Bench (Landscapeforms Scarborough) | 4,503.59 | 99.60 |
| 32 33 43 13-0082 | EA | 96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough) | 4,795.20 | 99.60 |
| 32 33 43 13-0083 | EA | 96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough) | 5,080.47 | 99.60 |
| 32 33 43 13-0084 | EA | 32" Backed Strap Or Perforated Bench (Landscapeforms Town Square) | 1,220.29 | 87.16 |
| 32 33 43 13-0085 | EA | 49" Backed Strap Or Perforated Bench (Landscapeforms Town Square) | 1,467.53 | 87.16 |
| 32 33 43 13-0086 | EA | 49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square) | 1,600.65 | 87.16 |
| 32 33 43 13-0087 | EA | 70" Backed Strap Or Perforated Bench (Landscapeforms Town Square) | 1,872.79 | 99.60 |
| 32 33 43 13-0088 | EA | 70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square) | 2,120.02 | 99.60 |
| 32 33 43 13-0089 | | **Benches (Columbia Cascade, TimberForm)** *(32 33 43 13)* | | |
| 32 33 43 13-0090 | | **Wood Benches (Columbia Cascade, TimberForm)** *(32 33 43 13-0089)* | | |
| | | Note: Includes powder coated steel frames. | | |
| 32 33 43 13-0091 | EA | 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E) | 899.16 | 49.81 |
| 32 33 43 13-0092 | EA | 94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E) | 1,031.28 | 49.81 |
| 32 33 43 13-0093 | EA | 118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E) | 1,321.90 | 49.81 |
| 32 33 43 13-0094 | EA | 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P) | 938.81 | 49.81 |
| 32 33 43 13-0095 | EA | 94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P) | 1,070.91 | 49.81 |
| 32 33 43 13-0096 | EA | 118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P) | 1,374.74 | 49.81 |
| 32 33 43 13-0097 | EA | 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E) | 1,374.74 | 49.81 |
| 32 33 43 13-0098 | EA | 94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E) | 1,599.31 | 49.81 |
| 32 33 43 13-0099 | EA | 118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E) | 2,061.65 | 49.81 |
| 32 33 43 13-0100 | EA | 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P) | 1,440.79 | 49.81 |
| 32 33 43 13-0101 | EA | 94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P) | 1,665.36 | 49.81 |
| 32 33 43 13-0102 | EA | 118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P) | 2,154.12 | 49.81 |
| 32 33 43 13-0103 | EA | 70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E) | 2,656.10 | 49.81 |
| 32 33 43 13-0104 | EA | 94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E) | 3,118.45 | 49.81 |
| 32 33 43 13-0105 | EA | 118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E) | 4,082.78 | 49.81 |
| 32 33 43 13-0106 | EA | 70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P) | 2,722.15 | 49.81 |
| 32 33 43 13-0107 | EA | 94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P) | 3,184.50 | 49.81 |
| 32 33 43 13-0108 | EA | 118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P) | 4,175.25 | 49.81 |
| 32 33 43 13-0109 | EA | 70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E) | 1,044.49 | 49.81 |
| 32 33 43 13-0110 | EA | 94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E) | 1,176.59 | 49.81 |
| 32 33 43 13-0111 | EA | 70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P) | 1,084.12 | 49.81 |
| 32 33 43 13-0112 | EA | 94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P) | 1,216.22 | 49.81 |
| 32 33 43 13-0113 | EA | 46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E) | 1,744.62 | 49.81 |
| 32 33 43 13-0114 | EA | 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E) | 2,061.65 | 49.81 |
| 32 33 43 13-0115 | EA | 46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P) | 1,850.30 | 49.81 |
| 32 33 43 13-0116 | EA | 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P) | 2,167.33 | 49.81 |
| 32 33 43 13-0117 | EA | 70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6) | 1,097.78 | 74.71 |
| 32 33 43 13-0118 | EA | 94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8) | 1,150.62 | 74.71 |
| 32 33 43 13-0119 | EA | 118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10) | 1,560.13 | 74.71 |
| 32 33 43 13-0120 | EA | 46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E) | 846.34 | 49.81 |
| 32 33 43 13-0121 | EA | 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E) | 978.44 | 49.81 |
| 32 33 43 13-0122 | EA | 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E) | 1,110.54 | 49.81 |
| 32 33 43 13-0123 | EA | 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E) | 1,427.58 | 49.81 |
| 32 33 43 13-0124 | EA | 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E) | 1,559.68 | 49.81 |
| 32 33 43 13-0125 | EA | 46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P) | 859.55 | 49.81 |
| 32 33 43 13-0126 | EA | 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P) | 991.65 | 49.81 |
| 32 33 43 13-0127 | EA | 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P) | 1,123.75 | 49.81 |
| 32 33 43 13-0128 | EA | 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P) | 1,467.21 | 49.81 |
| 32 33 43 13-0129 | EA | 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P) | 1,599.31 | 49.81 |
| 32 33 43 13-0130 | EA | 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E) | 1,454.00 | 49.81 |
| 32 33 43 13-0131 | EA | 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E) | 1,678.57 | 49.81 |
| 32 33 43 13-0132 | EA | 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E) | 2,167.33 | 49.81 |
| 32 33 43 13-0133 | EA | 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E) | 2,391.90 | 49.81 |
| 32 33 43 13-0134 | EA | 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P) | 1,480.42 | 49.81 |
| 32 33 43 13-0135 | EA | 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P) | 1,704.99 | 49.81 |
| 32 33 43 13-0136 | EA | 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P) | 2,206.96 | 49.81 |
| 32 33 43 13-0137 | EA | 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P) | 2,431.53 | 49.81 |
| 32 33 43 13-0138 | EA | 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E) | 1,454.00 | 49.81 |
| 32 33 43 13-0139 | EA | 82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E) | 2,048.44 | 49.81 |
| 32 33 43 13-0140 | EA | 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E) | 1,823.88 | 49.81 |
| 32 33 43 13-0141 | EA | 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E) | 2,405.11 | 49.81 |
| 32 33 43 13-0142 | EA | 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E) | 2,629.68 | 49.81 |
| 32 33 43 13-0143 | EA | 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P) | 1,665.36 | 49.81 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 33 43 13-0144 | EA | 82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P) | 2,088.07 | 49.81 |
| 32 33 43 13-0145 | EA | 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P) | 1,850.30 | 49.81 |
| 32 33 43 13-0146 | EA | 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P) | 2,444.74 | 49.81 |
| 32 33 43 13-0147 | EA | 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P) | 2,669.31 | 49.81 |
| 32 33 43 13-0148 | EA | 70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6) | 1,533.71 | 74.71 |
| 32 33 43 13-0149 | EA | 94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8) | 1,771.49 | 74.71 |
| 32 33 43 13-0150 | EA | 118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10) | 2,273.46 | 74.71 |
| 32 33 43 13-0151 | EA | 70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6) | 1,679.02 | 74.71 |
| 32 33 43 13-0152 | EA | 94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8) | 1,916.80 | 74.71 |
| 32 33 43 13-0153 | EA | 118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10) | 2,498.03 | 74.71 |

### 32 33 43 13-0154 Recycled Plastic Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*

Note: Includes powder coated steel frames.

| | | | | |
|---|---|---|---|---|
| 32 33 43 13-0155 | EA | 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E) | 1,229.43 | 49.81 |
| 32 33 43 13-0156 | EA | 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E) | 1,678.57 | 49.81 |
| 32 33 43 13-0157 | EA | 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P) | 1,269.06 | 49.81 |
| 32 33 43 13-0158 | EA | 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P) | 1,718.20 | 49.81 |
| 32 33 43 13-0159 | EA | 46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E) | 1,929.56 | 49.81 |
| 32 33 43 13-0160 | EA | 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E) | 2,259.80 | 49.81 |
| 32 33 43 13-0161 | EA | 46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P) | 2,035.23 | 49.81 |
| 32 33 43 13-0162 | EA | 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P) | 2,365.48 | 49.81 |
| 32 33 43 13-0163 | EA | 70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6) | 1,229.88 | 74.71 |
| 32 33 43 13-0164 | EA | 94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8) | 1,480.87 | 74.71 |
| 32 33 43 13-0165 | EA | 118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10) | 1,745.07 | 74.71 |
| 32 33 43 13-0166 | EA | 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E) | 1,004.84 | 49.81 |
| 32 33 43 13-0167 | EA | 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E) | 1,348.32 | 49.81 |
| 32 33 43 13-0168 | EA | 118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E) | 1,612.52 | 49.81 |
| 32 33 43 13-0169 | EA | 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P) | 1,044.49 | 49.81 |
| 32 33 43 13-0170 | EA | 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P) | 1,387.95 | 49.81 |
| 32 33 43 13-0171 | EA | 118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P) | 1,665.36 | 49.81 |
| 32 33 43 13-0172 | EA | 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E) | 1,599.31 | 49.81 |
| 32 33 43 13-0173 | EA | 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E) | 2,154.12 | 49.81 |
| 32 33 43 13-0174 | EA | 118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E) | 2,616.47 | 49.81 |
| 32 33 43 13-0175 | EA | 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P) | 1,665.36 | 49.81 |
| 32 33 43 13-0176 | EA | 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P) | 2,246.59 | 49.81 |
| 32 33 43 13-0177 | EA | 118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P) | 2,708.94 | 49.81 |
| 32 33 43 13-0178 | EA | 70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E) | 3,118.45 | 49.81 |
| 32 33 43 13-0179 | EA | 94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E) | 4,294.14 | 49.81 |
| 32 33 43 13-0180 | EA | 118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E) | 4,756.49 | 49.81 |
| 32 33 43 13-0181 | EA | 70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P) | 3,184.50 | 49.81 |
| 32 33 43 13-0182 | EA | 94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P) | 4,386.61 | 49.81 |
| 32 33 43 13-0183 | EA | 118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P) | 4,848.96 | 49.81 |
| 32 33 43 13-0184 | EA | 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E) | 1,955.97 | 49.81 |
| 32 33 43 13-0185 | EA | 82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E) | 2,722.15 | 49.81 |
| 32 33 43 13-0186 | EA | 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E) | 2,603.26 | 49.81 |
| 32 33 43 13-0187 | EA | 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E) | 2,986.35 | 49.81 |
| 32 33 43 13-0188 | EA | 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E) | 4,016.73 | 49.81 |
| 32 33 43 13-0189 | EA | 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P) | 1,982.39 | 49.81 |
| 32 33 43 13-0190 | EA | 82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P) | 2,761.78 | 49.81 |
| 32 33 43 13-0191 | EA | 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P) | 2,642.89 | 49.81 |
| 32 33 43 13-0192 | EA | 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P) | 3,025.98 | 49.81 |
| 32 33 43 13-0193 | EA | 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P) | 4,082.78 | 49.81 |
| 32 33 43 13-0194 | EA | 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6) | 1,863.96 | 74.71 |
| 32 33 43 13-0195 | EA | 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8) | 2,511.24 | 74.71 |
| 32 33 43 13-0196 | EA | 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10) | 3,105.69 | 74.71 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 33 43 13-0197 | EA | 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6) | 2,088.52 | 74.71 |
| 32 33 43 13-0198 | EA | 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8) | 2,788.65 | 74.71 |
| 32 33 43 13-0199 | EA | 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10) | 3,066.06 | 74.71 |
| 32 33 43 13-0200 | EA | 46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E) | 899.18 | 49.81 |
| 32 33 43 13-0201 | EA | 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E) | 1,176.59 | 49.81 |
| 32 33 43 13-0202 | EA | 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E) | 1,586.10 | 49.81 |
| 32 33 43 13-0203 | EA | 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E) | 1,863.51 | 49.81 |
| 32 33 43 13-0204 | EA | 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E) | 2,167.33 | 49.81 |
| 32 33 43 13-0205 | EA | 46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P) | 925.60 | 49.81 |
| 32 33 43 13-0206 | EA | 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P) | 1,203.01 | 49.81 |
| 32 33 43 13-0207 | EA | 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P) | 1,625.73 | 49.81 |
| 32 33 43 13-0208 | EA | 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P) | 1,903.14 | 49.81 |
| 32 33 43 13-0209 | EA | 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P) | 2,220.17 | 49.81 |
| 32 33 43 13-0210 | EA | 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E) | 1,744.62 | 49.81 |
| 32 33 43 13-0211 | EA | 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E) | 2,391.90 | 49.81 |
| 32 33 43 13-0212 | EA | 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E) | 2,946.72 | 49.81 |
| 32 33 43 13-0213 | EA | 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E) | 3,316.60 | 49.81 |
| 32 33 43 13-0214 | EA | 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P) | 1,771.04 | 49.81 |
| 32 33 43 13-0215 | EA | 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P) | 2,431.53 | 49.81 |
| 32 33 43 13-0216 | EA | 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P) | 2,986.35 | 49.81 |
| 32 33 43 13-0217 | EA | 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P) | 3,369.44 | 49.81 |
| **32 33 43 13-0218** | | **Benches (Wabash Valley)** *(32 33 43 13)* | | |
| **32 33 43 13-0219** | | **Prestige/Profile Benches** *(32 33 43 13-0218)* | | |
| 32 33 43 13-0220 | EA | 6' Bench With Arms, Inground, Diamond Site Furniture (Wabash Valley PP411D) | 753.30 | 46.52 |
| 32 33 43 13-0221 | EA | 6' Bench With Arms, Inground, Perforated Site Furniture (Wabash Valley PP411P) | 829.01 | 46.52 |
| **32 33 43 13-0222** | | **Straight Benches** *(32 33 43 13-0218)* | | |
| 32 33 43 13-0223 | EA | 6' Signature Standard Inground Bench With Back (Wabash Valley SG303P) | 1,020.00 | 69.72 |
| 32 33 43 13-0224 | EA | 6' Signature Standard Surface Mount Bench With Back (Wabash Valley SG306P) | 1,035.70 | 69.72 |
| 32 33 43 13-0225 | EA | 8' Signature Standard Inground Bench With Back (Wabash Valley SG315P) | 1,111.63 | 69.72 |
| 32 33 43 13-0226 | EA | 8' Signature Standard Inground Bench Without Back (Wabash Valley SG316P) | 737.23 | 69.72 |
| 32 33 43 13-0227 | EA | 8' Signature Standard Surface Mount Bench With Back (Wabash Valley SG318P) | 1,111.63 | 69.72 |
| 32 33 43 13-0228 | EA | 8' Signature Standard Surface Mount Bench Without Back (Wabash Valley SG319P) | 737.23 | 69.72 |
| 32 33 43 13-0229 | EA | Shelter With 6' Bench (Wabash Valley SH305P) | 7,209.53 | 89.64 |
| 32 33 43 13-0230 | EA | 2-Seat With Back, Portable (Wabash Valley CL310) | 1,497.18 | 46.52 |
| 32 33 43 13-0231 | EA | 2-Seat With Back, Surface Mount (Wabash Valley CL311D) | 1,439.96 | 69.82 |
| 32 33 43 13-0232 | EA | 2-Seat With Back, Inground (Wabash Valley CL312D) | 1,593.73 | 93.13 |
| 32 33 43 13-0233 | EA | 2-Seat Without Back, Portable (Wabash Valley CL315D) | 1,289.23 | 46.52 |
| 32 33 43 13-0234 | EA | 2-Seat Without Back, Surface Mount (Wabash Valley CL316D) | 1,232.00 | 69.82 |
| 32 33 43 13-0235 | EA | 2-Seat Without Back, Inground (Wabash Valley CL317D) | 1,355.20 | 93.13 |
| 32 33 43 13-0236 | EA | 3-Seat With Back, Portable (Wabash Valley CL320D) | 2,166.92 | 46.52 |
| 32 33 43 13-0237 | EA | 3-Seat With Back, Surface Mount (Wabash Valley CL321D) | 2,131.10 | 69.82 |
| 32 33 43 13-0238 | EA | 3-Seat With Back, Inground (Wabash Valley CL322D) | 2,245.12 | 93.13 |
| 32 33 43 13-0239 | EA | 3-Seat Without Back, Portable (Wabash Valley CL325D) | 1,793.82 | 46.52 |
| 32 33 43 13-0240 | EA | 3-Seat Without Back, Surface Mount (Wabash Valley CL326D) | 1,758.00 | 69.82 |
| 32 33 43 13-0241 | EA | 3-Seat Without Back, Inground (Wabash Valley CL327D) | 1,875.08 | 93.13 |
| **32 33 43 13-0242** | | **Concave Benches** *(32 33 43 13-0218)* | | |
| 32 33 43 13-0243 | EA | Benches, 15 Deg Concave With Back, Portable, CL405D | 2,056.82 | 46.52 |
| 32 33 43 13-0244 | EA | Benches, 15 Deg Concave With Back, Surface Mount, CL406D | 2,008.77 | 69.82 |
| 32 33 43 13-0245 | EA | Benches, 15 Deg Concave With Back, Inground, CL407D | 2,125.85 | 93.13 |
| 32 33 43 13-0246 | EA | Benches, 15 Deg Concave Without Back, Portable, CL415D | 2,010.95 | 46.52 |
| 32 33 43 13-0247 | EA | Benches, 15 Deg Concave Without Back, Surface Mount, CL416D | 1,962.90 | 69.82 |
| 32 33 43 13-0248 | EA | Benches, 15 Deg Concave Without Back, Inground, CL417D | 2,079.98 | 93.13 |
| **32 33 43 13-0249** | | **Swings** *(32 33 43 13-0218)* | | |
| 32 33 43 13-0250 | EA | 4' Swing With Chain (Perforated Or Rib) SP300P | 1,576.28 | 39.85 |
| 32 33 43 13-0251 | EA | 6' Swing With Chain (Perforated Or Rib) SP305P | 1,845.95 | 39.85 |
| 32 33 43 13-0252 | EA | Round Inground Post Package SP310N | 769.98 | 93.13 |
| 32 33 43 13-0253 | EA | 4' Square Inground Post Package SP315N | 1,694.33 | 119.53 |
| 32 33 43 13-0254 | EA | 6' Square Inground Post Package SP320N | 1,835.72 | 119.53 |
| **32 33 43 13-0255** | | **Accessories** *(32 33 43 13-0218)* | | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 33 43 13-0256 | EA | Mounting Plate Covers (Set Of 2), MC102N | 66.93 | 6.97 |
| 32 33 43 13-0257 | EA | Mounting Plate Covers (Set Of 3), MC103N | 96.37 | 9.26 |
| 32 33 43 13-0258 | EA | Mounting Plate Covers (Set Of 4), MC104 | 112.53 | 9.26 |
| 32 33 43 13-0259 | | Camden Series Benches *(32 33 43 13-0218)* | | |
| 32 33 43 13-0260 | EA | 6' Bench, With Back, Square Perforation, Portable/Surface Mount, CA1112C | 1,526.45 | 69.72 |
| 32 33 43 13-0261 | EA | 6' Bench, With Back, Square Perforation, Inground, CA1111I | 1,563.64 | 93.13 |
| 32 33 43 13-0262 | EA | 6' Bench, With Back, With Arms, Faux-Wood, Portable/Surface Mount, CA1112C | 1,698.84 | 69.72 |
| 32 33 43 13-0263 | EA | 6' Bench, With Back, With Arms, Faux-Wood, Inground, CA1112I | 1,740.23 | 93.13 |
| 32 33 43 13-0264 | EA | 6' Bench, With Back, With Arms, Rod, Portable/Surface Mount, CA1114C | 1,904.87 | 69.72 |
| 32 33 43 13-0265 | EA | 6' Bench, With Back, With Arms, Rod, Inground, CA1114I | 1,946.26 | 93.13 |
| 32 33 43 13-0266 | EA | 6' Bench, With Back, With Arms, Round Perforation, Portable/Surface Mount, CA1116C | 1,503.32 | 69.72 |
| 32 33 43 13-0267 | EA | 6' Bench, With Back, With Arms, Round Perforation, Inground, CA1116I | 1,542.61 | 93.13 |
| 32 33 43 13-0268 | EA | 6' Bench, With Back, With Arms, Horizontal Slat, Portable/Surface Mount, CA1119C | 1,713.56 | 69.72 |
| 32 33 43 13-0269 | EA | 6' Bench, With Back, With Arms, Horizontal Slat, Inground, CA1116I | 1,752.85 | 93.13 |
| 32 33 43 13-0270 | | Miscellaneous *(32 33 43 13-0218)* | | |
| 32 33 43 13-0271 | EA | 4' Bench With Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES500) | 1,788.14 | 93.13 |
| 32 33 43 13-0272 | EA | 4' Bench Without Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES505) | 1,488.27 | 69.72 |
| 32 33 43 13-0273 | EA | 6' Bench With Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES520) | 2,091.33 | 93.13 |
| 32 33 43 13-0274 | EA | 6' Bench Without Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES525) | 1,789.24 | 69.72 |
| 32 33 43 13-0275 | EA | 8' Bench With Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES527) | 2,930.05 | 93.13 |
| 32 33 43 13-0276 | EA | 8' Bench Without Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES528) | 2,473.06 | 69.72 |
| 32 33 43 13-0277 | | Benches, Concrete (Quick Crete) *(32 33 43 13)* | | |
| 32 33 43 13-0278 | EA | 84" Long, Concrete Park Bench With Back (Quick Crete Q1PS84B) | 2,505.04 | 124.51 |
| 32 33 43 13-0279 | | Other Benches *(32 33 43 13)* | | |
| 32 33 43 13-0280 | EA | 6' Timberform #2118-6 Restoration Bench With Cast Iron Glossy Black Frames, Armrests, Purple Heart Wood Slats, S.J.S.U. Logo, Surface Mount | 4,036.63 | 92.14 |
| **32 33 43 53** | | **Site Tables** *(32 33 43)* | | |
| 32 33 43 53-0001 | | Tables *(32 33 43 53)* | | |
| 32 33 43 53-0002 | | Tables (Wabash) *(32 33 43 53-0001)* | | |
| 32 33 43 53-0003 | EA | Spyder ADA Round Table (Wabash SY203P) | 2,645.97 | 89.64 |
| 32 33 43 53-0004 | EA | Shelter With 6' Table (Wabash SH105P) | 8,015.94 | 89.64 |
| 32 33 43 53-0005 | EA | 46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C) | 2,433.69 | 89.64 |
| 32 33 43 53-0006 | EA | 46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I) | 2,609.96 | 99.60 |
| 32 33 43 53-0007 | | Tables (Landscapeforms) *(32 33 43 53-0001)* | | |
| 32 33 43 53-0008 | EA | Plexus Companion Table For Backed Seat, Straight Runs | 820.46 | 93.13 |
| 32 33 43 53-0009 | EA | Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus) | 1,023.32 | 93.13 |
| 32 33 43 53-0010 | EA | Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus) | 1,023.32 | 93.13 |
| 32 33 43 53-0011 | EA | Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus) | 1,023.32 | 93.13 |
| 32 33 43 53-0012 | EA | 6-Person Picnic Table (Landscapeforms Manistee) | 3,067.62 | 93.13 |
| 32 33 43 53-0013 | EA | 4-Person Picnic Table (Landscapeforms Manistee) | 2,726.82 | 93.13 |
| 32 33 43 53-0014 | EA | 2-Person Picnic Table (Landscapeforms Manistee) | 2,414.41 | 93.13 |
| 32 33 43 53-0015 | EA | Umbrella Stand For Picnic Table (Landscapeforms) | 253.57 | |
| 32 33 43 53-0016 | EA | 32" x 72" Picnic Table (Landscapeforms Petoskey) | 2,423.35 | 89.64 |
| 32 33 43 53-0017 | EA | 62" Backless Metal Rod Bench (Landscapeforms Petoskey) | 1,281.41 | 69.72 |
| 32 33 43 53-0018 | EA | 29" Backless Metal Rod Bench (Landscapeforms Petoskey) | 1,071.95 | 69.72 |
| 32 33 43 53-0019 | EA | 58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen) | 2,835.91 | 89.64 |
| 32 33 43 53-0020 | EA | 3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) | 2,726.82 | 93.13 |
| 32 33 43 53-0021 | EA | 4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) | 2,726.82 | 93.13 |
| 32 33 43 53-0022 | EA | 5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) | 3,536.22 | 93.13 |
| 32 33 43 53-0023 | EA | 6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel) | 3,536.22 | 93.13 |
| 32 33 43 53-0024 | EA | 3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 2,911.42 | 93.13 |
| 32 33 43 53-0025 | EA | 4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 2,911.42 | 93.13 |
| 32 33 43 53-0026 | EA | 5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 3,720.82 | 93.13 |
| 32 33 43 53-0027 | EA | 6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 3,720.82 | 93.13 |
| 32 33 43 53-0028 | EA | 3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) | 2,840.42 | 93.13 |
| 32 33 43 53-0029 | EA | 4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) | 2,840.42 | 93.13 |
| 32 33 43 53-0030 | EA | 5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) | 3,706.62 | 93.13 |
| 32 33 43 53-0031 | EA | 6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) | 3,706.62 | 93.13 |
| 32 33 43 53-0032 | EA | 3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 3,025.02 | 93.13 |
| 32 33 43 53-0033 | EA | 4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 3,025.02 | 93.13 |
| 32 33 43 53-0034 | EA | 5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 3,891.22 | 93.13 |
| 32 33 43 53-0035 | EA | 6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 3,891.22 | 93.13 |
| 32 33 43 53-0036 | EA | 3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel) | 2,897.22 | 93.13 |
| 32 33 43 53-0037 | EA | 4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel) | 2,897.22 | 93.13 |
| 32 33 43 53-0038 | EA | 5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel) | 3,720.82 | 93.13 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 33 43 53-0039 | EA | 6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel) | 3,720.82 | 93.13 |
| 32 33 43 53-0040 | EA | 3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 3,081.82 | 93.13 |
| 32 33 43 53-0041 | EA | 4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 3,081.82 | 93.13 |
| 32 33 43 53-0042 | EA | 5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 3,905.42 | 93.13 |
| 32 33 43 53-0043 | EA | 6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 3,905.42 | 93.13 |
| 32 33 43 53-0044 | EA | 3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) | 3,039.22 | 93.13 |
| 32 33 43 53-0045 | EA | 4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) | 3,039.22 | 93.13 |
| 32 33 43 53-0046 | EA | 5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) | 3,933.82 | 93.13 |
| 32 33 43 53-0047 | EA | 6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel) | 3,933.82 | 93.13 |
| 32 33 43 53-0048 | EA | 3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 3,223.82 | 93.13 |
| 32 33 43 53-0049 | EA | 4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 3,223.82 | 93.13 |
| 32 33 43 53-0050 | EA | 5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 4,118.42 | 93.13 |
| 32 33 43 53-0051 | EA | 6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel) | 4,118.42 | 93.13 |
| 32 33 43 53-0052 | EA | 3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel) | 2,532.07 | 93.13 |
| 32 33 43 53-0053 | EA | 4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel) | 2,532.07 | 93.13 |
| 32 33 43 53-0054 | EA | 5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel) | 3,330.82 | 93.13 |
| 32 33 43 53-0055 | EA | 6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel) | 3,330.82 | 93.13 |
| 32 33 43 53-0056 | EA | 3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel) | 2,633.50 | 93.13 |
| 32 33 43 53-0057 | EA | 4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel) | 2,633.50 | 93.13 |
| 32 33 43 53-0058 | EA | 5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel) | 3,419.57 | 93.13 |
| 32 33 43 53-0059 | EA | 6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel) | 3,419.57 | 93.13 |
| 32 33 43 53-0060 | EA | 3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel) | 2,646.18 | 93.13 |
| 32 33 43 53-0061 | EA | 4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel) | 2,646.18 | 93.13 |
| 32 33 43 53-0062 | EA | 5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel) | 3,482.97 | 93.13 |
| 32 33 43 53-0063 | EA | 6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel) | 3,482.97 | 93.13 |
| 32 33 43 53-0064 | EA | 3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel) | 2,734.93 | 93.13 |
| 32 33 43 53-0065 | EA | 4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel) | 2,734.93 | 93.13 |
| 32 33 43 53-0066 | EA | 5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel) | 3,571.72 | 93.13 |
| 32 33 43 53-0067 | EA | 6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel) | 3,571.72 | 93.13 |
| 32 33 43 53-0068 | EA | 3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel) | 2,696.89 | 93.13 |
| 32 33 43 53-0069 | EA | 4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel) | 2,696.89 | 93.13 |
| 32 33 43 53-0070 | EA | 5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel) | 3,508.32 | 93.13 |
| 32 33 43 53-0071 | EA | 6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel) | 3,508.32 | 93.13 |
| 32 33 43 53-0072 | EA | 3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel) | 2,791.98 | 93.13 |
| 32 33 43 53-0073 | EA | 4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel) | 2,791.98 | 93.13 |
| 32 33 43 53-0074 | EA | 5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel) | 3,597.07 | 93.13 |
| 32 33 43 53-0075 | EA | 6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel) | 3,597.07 | 93.13 |
| 32 33 43 53-0076 | EA | 3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel) | 2,855.38 | 93.13 |
| 32 33 43 53-0077 | EA | 4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel) | 2,855.38 | 93.13 |
| 32 33 43 53-0078 | EA | 5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel) | 3,755.56 | 93.13 |
| 32 33 43 53-0079 | EA | 6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel) | 3,755.56 | 93.13 |
| 32 33 43 53-0080 | EA | 3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel) | 2,944.13 | 93.13 |
| 32 33 43 53-0081 | EA | 4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel) | 2,944.13 | 93.13 |
| 32 33 43 53-0082 | EA | 5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel) | 3,844.31 | 93.13 |
| 32 33 43 53-0083 | EA | 6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel) | 3,844.31 | 93.13 |
| 32 33 43 53-0084 | | Tables (Columbia Cascade Co. - TimberForm) *(32 33 43 53-0001)* | | |
| 32 33 43 53-0085 | EA | Table With Four Chairs (Columbia Cascade Co. 2052-E) | 4,896.23 | 116.34 |
| 32 33 43 53-0086 | EA | Table With Four Chairs (Columbia Cascade Co. 2052-P) | 5,975.58 | 116.34 |
| 32 33 43 53-0087 | EA | Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E) | 4,131.69 | 116.34 |
| 32 33 43 53-0088 | EA | Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P) | 5,151.08 | 116.34 |
| 32 33 43 53-0089 | EA | Table With Four Seats (Columbia Cascade Co. 2054-E) | 2,752.52 | 116.34 |
| 32 33 43 53-0090 | EA | Table With Four Seats (Columbia Cascade Co. 2054-P) | 2,992.37 | 116.34 |
| 32 33 43 53-0091 | EA | Accessible Table With Three Seats (Columbia Cascade Co. 2055-E) | 2,347.76 | 116.34 |
| 32 33 43 53-0092 | EA | Accessible Table With Three Seats (Columbia Cascade Co. 2055-P) | 2,557.63 | 116.34 |
| 32 33 43 53-0093 | EA | Integral Table With Four Seats (Columbia Cascade Co. 2056-E) | 3,067.33 | 116.34 |
| 32 33 43 53-0094 | EA | Integral Table With Four Seats (Columbia Cascade Co. 2056-P) | 3,277.20 | 116.34 |
| 32 33 43 53-0095 | EA | Integral Table With Four Seats (Columbia Cascade Co. 2056-R) | 4,956.19 | 116.34 |
| 32 33 43 53-0096 | EA | Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E) | 2,722.54 | 116.34 |
| 32 33 43 53-0097 | EA | Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P) | 2,932.41 | 116.34 |
| 32 33 43 53-0098 | EA | Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R) | 4,611.40 | 116.34 |
| 32 33 43 53-0099 | EA | Standard Picnic Table And Seats (Columbia Cascade Co. 2062) | 3,382.14 | 116.34 |
| 32 33 43 53-0100 | EA | Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P) | 3,622.00 | 116.34 |
| 32 33 43 53-0101 | EA | Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E) | 3,951.80 | 116.34 |
| 32 33 43 53-0102 | EA | Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P) | 4,191.65 | 116.34 |
| 32 33 43 53-0103 | EA | Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E) | 4,956.19 | 116.34 |
| 32 33 43 53-0104 | EA | Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P) | 5,196.05 | 116.34 |
| 32 33 43 53-0105 | EA | Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E) | 4,956.19 | 116.34 |
| 32 33 43 53-0106 | EA | Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P) | 5,196.05 | 116.34 |
| 32 33 43 53-0107 | EA | Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6) | 1,163.96 | 46.52 |
| 32 33 43 53-0108 | EA | Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6) | 1,553.73 | 46.52 |
| 32 33 43 53-0109 | EA | Gameboard (Columbia Cascade Co. 2095) | 334.64 | 23.30 |
| 32 33 43 53-0110 | EA | Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E) | 3,382.14 | 116.34 |
| 32 33 43 53-0111 | EA | Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E) | 3,861.85 | 116.34 |
| 32 33 43 53-0112 | EA | Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P) | 3,622.00 | 116.34 |
| 32 33 43 53-0113 | EA | Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P) | 4,101.71 | 116.34 |
| 32 33 43 53-0114 | EA | Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E) | 3,756.91 | 116.34 |
| 32 33 43 53-0115 | EA | Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E) | 4,236.63 | 116.34 |
| 32 33 43 53-0116 | EA | Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P) | 3,996.77 | 116.34 |
| 32 33 43 53-0117 | EA | Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P) | 4,476.48 | 116.34 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 33 43 53-0118 | EA | Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6) | 3,172.76 | 46.52 |
| 32 33 43 53-0119 | EA | Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8) | 3,562.52 | 46.52 |
| 32 33 43 53-0120 | EA | Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6) | 3,547.53 | 46.52 |
| 32 33 43 53-0121 | EA | Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8) | 3,937.30 | 46.52 |
| 32 33 43 53-0122 | EA | Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E) | 7,984.38 | 116.34 |
| 32 33 43 53-0123 | EA | Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P) | 8,823.87 | 116.34 |
| 32 33 43 53-0124 | EA | Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E) | 7,984.38 | 116.34 |
| 32 33 43 53-0125 | EA | Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P) | 8,823.87 | 116.34 |
| 32 33 43 53-0126 | EA | Round Table With Center Support (Columbia Cascade Co. 2902-0030-E) | 1,972.98 | 116.34 |
| 32 33 43 53-0127 | EA | Round Table With Center Support (Columbia Cascade Co. 2902-0036-E) | 2,167.87 | 116.34 |
| 32 33 43 53-0128 | EA | Round Table With Center Support (Columbia Cascade Co. 2902-0042-E) | 2,362.75 | 116.34 |
| 32 33 43 53-0129 | EA | Round Table With Center Support (Columbia Cascade Co. 2902-0030-P) | 2,107.90 | 116.34 |
| 32 33 43 53-0130 | EA | Round Table With Center Support (Columbia Cascade Co. 2902-0036-P) | 2,302.79 | 116.34 |
| 32 33 43 53-0131 | EA | Round Table With Center Support (Columbia Cascade Co. 2902-0042-P) | 2,497.67 | 116.34 |
| 32 33 43 53-0132 | EA | Square Table With Center Support (Columbia Cascade Co. 2902-3030-E) | 1,928.01 | 116.34 |
| 32 33 43 53-0133 | EA | Square Table With Center Support (Columbia Cascade Co. 2902-3636-E) | 2,062.93 | 116.34 |
| 32 33 43 53-0134 | EA | Square Table With Center Support (Columbia Cascade Co. 2902-4242-E) | 2,197.85 | 116.34 |
| 32 33 43 53-0135 | EA | Square Table With Center Support (Columbia Cascade Co. 2902-3030-P) | 2,062.93 | 116.34 |
| 32 33 43 53-0136 | EA | Square Table With Center Support (Columbia Cascade Co. 2902-3636-P) | 2,197.85 | 116.34 |
| 32 33 43 53-0137 | EA | Square Table With Center Support (Columbia Cascade Co. 2902-4242-P) | 2,332.77 | 116.34 |
| 32 33 43 53-0138 | EA | Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E) | 1,868.05 | 116.34 |
| 32 33 43 53-0139 | EA | Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E) | 2,062.93 | 116.34 |
| 32 33 43 53-0140 | EA | Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E) | 2,257.81 | 116.34 |
| 32 33 43 53-0141 | EA | Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P) | 1,868.05 | 116.34 |
| 32 33 43 53-0142 | EA | Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P) | 2,062.93 | 116.34 |
| 32 33 43 53-0143 | EA | Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P) | 2,257.81 | 116.34 |
| 32 33 43 53-0144 | EA | Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L) | 1,868.05 | 116.34 |
| 32 33 43 53-0145 | EA | Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L) | 2,062.93 | 116.34 |
| 32 33 43 53-0146 | EA | Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L) | 2,257.81 | 116.34 |
| 32 33 43 53-0147 | EA | Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E) | 1,778.10 | 116.34 |
| 32 33 43 53-0148 | EA | Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E) | 1,913.02 | 116.34 |
| 32 33 43 53-0149 | EA | Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E) | 2,047.94 | 116.34 |
| 32 33 43 53-0150 | EA | Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P) | 1,778.10 | 116.34 |
| 32 33 43 53-0151 | EA | Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P) | 1,913.02 | 116.34 |
| 32 33 43 53-0152 | EA | Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P) | 2,047.94 | 116.34 |
| 32 33 43 53-0153 | EA | Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L) | 1,778.10 | 116.34 |
| 32 33 43 53-0154 | EA | Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L) | 1,913.02 | 116.34 |
| 32 33 43 53-0155 | EA | Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L) | 2,047.94 | 116.34 |
| 32 33 43 53-0156 | EA | Round Table With Center Support (Columbia Cascade Co. 2912-0030-E) | 1,703.15 | 116.34 |
| 32 33 43 53-0157 | EA | Round Table With Center Support (Columbia Cascade Co. 2912-0036-E) | 1,898.03 | 116.34 |
| 32 33 43 53-0158 | EA | Round Table With Center Support (Columbia Cascade Co. 2912-0042-E) | 2,092.91 | 116.34 |
| 32 33 43 53-0159 | EA | Round Table With Center Support (Columbia Cascade Co. 2912-0030-P) | 1,838.07 | 116.34 |
| 32 33 43 53-0160 | EA | Round Table With Center Support (Columbia Cascade Co. 2912-0036-P) | 2,032.95 | 116.34 |
| 32 33 43 53-0161 | EA | Round Table With Center Support (Columbia Cascade Co. 2912-0042-P) | 2,227.83 | 116.34 |
| 32 33 43 53-0162 | EA | Square Table With Center Support (Columbia Cascade Co. 2912-3030-E) | 1,583.22 | 116.34 |
| 32 33 43 53-0163 | EA | Square Table With Center Support (Columbia Cascade Co. 2912-3636-E) | 1,703.15 | 116.34 |
| 32 33 43 53-0164 | EA | Square Table With Center Support (Columbia Cascade Co. 2912-4242-E) | 1,838.07 | 116.34 |
| 32 33 43 53-0165 | EA | Square Table With Center Support (Columbia Cascade Co. 2912-3030-P) | 1,703.15 | 116.34 |
| 32 33 43 53-0166 | EA | Square Table With Center Support (Columbia Cascade Co. 2912-3636-P) | 1,838.07 | 116.34 |
| 32 33 43 53-0167 | EA | Square Table With Center Support (Columbia Cascade Co. 2912-4242-P) | 1,972.98 | 116.34 |
| 32 33 43 53-0168 | EA | Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E) | 1,793.09 | 116.34 |
| 32 33 43 53-0169 | EA | Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E) | 1,987.98 | 116.34 |
| 32 33 43 53-0170 | EA | Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E) | 2,182.86 | 116.34 |
| 32 33 43 53-0171 | EA | Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P) | 1,793.09 | 116.34 |
| 32 33 43 53-0172 | EA | Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P) | 1,987.98 | 116.34 |
| 32 33 43 53-0173 | EA | Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P) | 2,182.86 | 116.34 |
| 32 33 43 53-0174 | EA | Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L) | 1,793.09 | 116.34 |
| 32 33 43 53-0175 | EA | Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L) | 1,987.98 | 116.34 |
| 32 33 43 53-0176 | EA | Round Table With Four Legs (Columbia Cascade Co. 2915-0042-L) | 2,182.86 | 116.34 |
| 32 33 43 53-0177 | EA | Square Table With Four Legs (Columbia Cascade Co. 2915-3030-E) | 1,688.16 | 116.34 |
| 32 33 43 53-0178 | EA | Square Table With Four Legs (Columbia Cascade Co. 2915-3636-E) | 1,823.08 | 116.34 |
| 32 33 43 53-0179 | EA | Square Table With Four Legs (Columbia Cascade Co. 2915-4242-E) | 1,957.99 | 116.34 |
| 32 33 43 53-0180 | EA | Square Table With Four Legs (Columbia Cascade Co. 2915-3030-P) | 1,688.16 | 116.34 |
| 32 33 43 53-0181 | EA | Square Table With Four Legs (Columbia Cascade Co. 2915-3636-P) | 1,823.08 | 116.34 |
| 32 33 43 53-0182 | EA | Square Table With Four Legs (Columbia Cascade Co. 2915-4242-P) | 1,957.99 | 116.34 |
| 32 33 43 53-0183 | EA | Square Table With Four Legs (Columbia Cascade Co. 2915-3030-L) | 1,688.16 | 116.34 |
| 32 33 43 53-0184 | EA | Square Table With Four Legs (Columbia Cascade Co. 2915-3636-L) | 1,823.08 | 116.34 |
| 32 33 43 53-0185 | EA | Square Table With Four Legs (Columbia Cascade Co. 2915-4242-L) | 1,957.99 | 116.34 |
| 32 33 43 53-0186 | EA | Round Table With Center Support (Columbia Cascade Co. 2922-0030-E) | 1,583.22 | 116.34 |
| 32 33 43 53-0187 | EA | Round Table With Center Support (Columbia Cascade Co. 2922-0036-E) | 1,643.18 | 116.34 |
| 32 33 43 53-0188 | EA | Round Table With Center Support (Columbia Cascade Co. 2922-0042-E) | 1,703.15 | 116.34 |
| 32 33 43 53-0189 | EA | Round Table With Center Support (Columbia Cascade Co. 2922-0030-P) | 1,718.14 | 116.34 |
| 32 33 43 53-0190 | EA | Round Table With Center Support (Columbia Cascade Co. 2922-0036-P) | 1,778.10 | 116.34 |
| 32 33 43 53-0191 | EA | Round Table With Center Support (Columbia Cascade Co. 2922-0042-P) | 1,838.07 | 116.34 |
| 32 33 43 53-0192 | EA | Square Table With Center Support (Columbia Cascade Co. 2922-3030-E) | 1,568.23 | 116.34 |
| 32 33 43 53-0193 | EA | Square Table With Center Support (Columbia Cascade Co. 2922-3636-E) | 1,613.20 | 116.34 |
| 32 33 43 53-0194 | EA | Square Table With Center Support (Columbia Cascade Co. 2922-4242-E) | 1,658.17 | 116.34 |
| 32 33 43 53-0195 | EA | Square Table With Center Support (Columbia Cascade Co. 2922-3030-P) | 1,703.15 | 116.34 |
| 32 33 43 53-0196 | EA | Square Table With Center Support (Columbia Cascade Co. 2922-3636-P) | 1,748.12 | 116.34 |
| 32 33 43 53-0197 | EA | Square Table With Center Support (Columbia Cascade Co. 2922-4242-P) | 1,793.09 | 116.34 |
| 32 33 43 53-0198 | EA | Round Table With Four Legs (Columbia Cascade Co. 2925-0030-E) | 1,613.20 | 116.34 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 33 43 53-0199 | EA | Round Table With Four Legs (Columbia Cascade Co. 2925-0036-E) | 1,673.16 | 116.34 |
| 32 33 43 53-0200 | EA | Round Table With Four Legs (Columbia Cascade Co. 2925-0042-E) | 1,733.13 | 116.34 |
| 32 33 43 53-0201 | EA | Round Table With Four Legs (Columbia Cascade Co. 2925-0030-P) | 1,613.20 | 116.34 |
| 32 33 43 53-0202 | EA | Round Table With Four Legs (Columbia Cascade Co. 2925-0036-P) | 1,673.16 | 116.34 |
| 32 33 43 53-0203 | EA | Round Table With Four Legs (Columbia Cascade Co. 2925-0042-P) | 1,733.13 | 116.34 |
| 32 33 43 53-0204 | EA | Round Table With Four Legs (Columbia Cascade Co. 2925-0030-L) | 1,613.20 | 116.34 |
| 32 33 43 53-0205 | EA | Round Table With Four Legs (Columbia Cascade Co. 2925-0036-L) | 1,673.16 | 116.34 |
| 32 33 43 53-0206 | EA | Round Table With Four Legs (Columbia Cascade Co. 2925-0042-L) | 1,733.13 | 116.34 |
| 32 33 43 53-0207 | EA | Square Table With Four Legs (Columbia Cascade Co. 2925-3030-E) | 1,613.20 | 116.34 |
| 32 33 43 53-0208 | EA | Square Table With Four Legs (Columbia Cascade Co. 2925-3636-E) | 1,658.17 | 116.34 |
| 32 33 43 53-0209 | EA | Square Table With Four Legs (Columbia Cascade Co. 2925-4242-E) | 1,703.15 | 116.34 |
| 32 33 43 53-0210 | EA | Square Table With Four Legs (Columbia Cascade Co. 2925-3030-P) | 1,613.20 | 116.34 |
| 32 33 43 53-0211 | EA | Square Table With Four Legs (Columbia Cascade Co. 2925-3636-P) | 1,658.17 | 116.34 |
| 32 33 43 53-0212 | EA | Square Table With Four Legs (Columbia Cascade Co. 2925-4242-P) | 1,703.15 | 116.34 |
| 32 33 43 53-0213 | EA | Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L) | 1,613.20 | 116.34 |
| 32 33 43 53-0214 | EA | Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L) | 1,658.17 | 116.34 |
| 32 33 43 53-0215 | EA | Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L) | 1,703.15 | 116.34 |
| 32 33 43 53-0216 | EA | Round Table With Center Support (Columbia Cascade Co. 2932-0030-E) | 1,643.18 | 116.34 |
| 32 33 43 53-0217 | EA | Round Table With Center Support (Columbia Cascade Co. 2932-0036-E) | 1,703.15 | 116.34 |
| 32 33 43 53-0218 | EA | Round Table With Center Support (Columbia Cascade Co. 2932-0042-E) | 1,763.11 | 116.34 |
| 32 33 43 53-0219 | EA | Round Table With Center Support (Columbia Cascade Co. 2932-0030-P) | 1,778.10 | 116.34 |
| 32 33 43 53-0220 | EA | Round Table With Center Support (Columbia Cascade Co. 2932-0036-P) | 1,838.07 | 116.34 |
| 32 33 43 53-0221 | EA | Round Table With Center Support (Columbia Cascade Co. 2932-0042-P) | 1,898.03 | 116.34 |
| 32 33 43 53-0222 | EA | Square Table With Center Support (Columbia Cascade Co. 2932-3030-E) | 1,748.12 | 116.34 |
| 32 33 43 53-0223 | EA | Square Table With Center Support (Columbia Cascade Co. 2932-3636-E) | 1,793.09 | 116.34 |
| 32 33 43 53-0224 | EA | Square Table With Center Support (Columbia Cascade Co. 2932-4242-E) | 1,838.07 | 116.34 |
| 32 33 43 53-0225 | EA | Square Table With Center Support (Columbia Cascade Co. 2932-3030-P) | 1,883.04 | 116.34 |
| 32 33 43 53-0226 | EA | Square Table With Center Support (Columbia Cascade Co. 2932-3636-P) | 1,928.01 | 116.34 |
| 32 33 43 53-0227 | EA | Square Table With Center Support (Columbia Cascade Co. 2932-4242-P) | 1,972.98 | 116.34 |
| 32 33 43 53-0228 | EA | Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E) | 1,718.14 | 116.34 |
| 32 33 43 53-0229 | EA | Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E) | 1,778.10 | 116.34 |
| 32 33 43 53-0230 | EA | Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E) | 1,838.07 | 116.34 |
| 32 33 43 53-0231 | EA | Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P) | 1,718.14 | 116.34 |
| 32 33 43 53-0232 | EA | Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P) | 1,778.10 | 116.34 |
| 32 33 43 53-0233 | EA | Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P) | 1,838.07 | 116.34 |
| 32 33 43 53-0234 | EA | Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L) | 1,718.14 | 116.34 |
| 32 33 43 53-0235 | EA | Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L) | 1,778.10 | 116.34 |
| 32 33 43 53-0236 | EA | Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L) | 1,838.07 | 116.34 |
| 32 33 43 53-0237 | EA | Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E) | 1,823.08 | 116.34 |
| 32 33 43 53-0238 | EA | Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E) | 1,868.05 | 116.34 |
| 32 33 43 53-0239 | EA | Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E) | 1,913.02 | 116.34 |
| 32 33 43 53-0240 | EA | Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P) | 1,823.08 | 116.34 |
| 32 33 43 53-0241 | EA | Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P) | 1,868.05 | 116.34 |
| 32 33 43 53-0242 | EA | Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P) | 1,913.02 | 116.34 |
| 32 33 43 53-0243 | EA | Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L) | 1,823.08 | 116.34 |
| 32 33 43 53-0244 | EA | Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L) | 1,868.05 | 116.34 |
| 32 33 43 53-0245 | EA | Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L) | 1,913.02 | 116.34 |
| 32 33 43 53-0246 | EA | Square Table With Center Support (Columbia Cascade Co. 2942-3030-E) | 1,388.34 | 116.34 |
| 32 33 43 53-0247 | EA | Square Table With Center Support (Columbia Cascade Co. 2942-3636-E) | 1,433.31 | 116.34 |
| 32 33 43 53-0248 | EA | Square Table With Center Support (Columbia Cascade Co. 2942-4242-E) | 1,478.28 | 116.34 |
| 32 33 43 53-0249 | EA | Square Table With Center Support (Columbia Cascade Co. 2942-3030-P) | 1,523.26 | 116.34 |
| 32 33 43 53-0250 | EA | Square Table With Center Support (Columbia Cascade Co. 2942-3636-P) | 1,568.23 | 116.34 |
| 32 33 43 53-0251 | EA | Square Table With Center Support (Columbia Cascade Co. 2942-4242-P) | 1,613.20 | 116.34 |
| 32 33 43 53-0252 | EA | Round Table With Center Support (Columbia Cascade Co. 2962-0030-E) | 1,643.18 | 116.34 |
| 32 33 43 53-0253 | EA | Round Table With Center Support (Columbia Cascade Co. 2962-0036-E) | 1,703.15 | 116.34 |
| 32 33 43 53-0254 | EA | Round Table With Center Support (Columbia Cascade Co. 2962-0042-E) | 1,763.11 | 116.34 |
| 32 33 43 53-0255 | EA | Round Table With Center Support (Columbia Cascade Co. 2962-0030-P) | 1,478.28 | 116.34 |
| 32 33 43 53-0256 | EA | Round Table With Center Support (Columbia Cascade Co. 2962-0036-P) | 1,538.25 | 116.34 |
| 32 33 43 53-0257 | EA | Round Table With Center Support (Columbia Cascade Co. 2962-0042-P) | 1,598.21 | 116.34 |
| 32 33 43 53-0258 | EA | Square Table With Center Support (Columbia Cascade Co. 2962-3030-E) | 1,358.35 | 116.34 |
| 32 33 43 53-0259 | EA | Square Table With Center Support (Columbia Cascade Co. 2962-3636-E) | 1,403.33 | 116.34 |
| 32 33 43 53-0260 | EA | Square Table With Center Support (Columbia Cascade Co. 2962-4242-E) | 1,448.30 | 116.34 |
| 32 33 43 53-0261 | EA | Square Table With Center Support (Columbia Cascade Co. 2962-3030-P) | 1,493.27 | 116.34 |
| 32 33 43 53-0262 | EA | Square Table With Center Support (Columbia Cascade Co. 2962-3636-P) | 1,538.25 | 116.34 |
| 32 33 43 53-0263 | EA | Square Table With Center Support (Columbia Cascade Co. 2962-4242-P) | 1,583.22 | 116.34 |
| 32 33 43 53-0264 | | **Picnic Tables** *(32 33 43 53)* | | |
| 32 33 43 53-0265 | | **Wooden Picnic Tables** *(32 33 43 53-0264)* | | |
| 32 33 43 53-0266 | EA | 6' Permanent Rectangular Redwood Table | 920.00 | 74.71 |
| 32 33 43 53-0267 | | **Portable Picnic Tables** *(32 33 43 53-0264)* | | |
| 32 33 43 53-0268 | EA | 6' Wood Table With Aluminum Frame | 1,467.63 | 49.81 |
| 32 33 43 53-0269 | EA | 6' Aluminum Table And Frame | 2,128.75 | 49.81 |
| 32 33 43 53-0270 | EA | 8' Aluminum Table And Frame | 2,540.17 | 62.26 |
| 32 33 43 53-0271 | EA | 6' Steel Table And Frame | 1,323.98 | 49.81 |
| 32 33 43 53-0272 | EA | 8' Steel Table And Frame | 1,516.28 | 62.26 |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **32 33 43 53-0273** | | **Concrete Picnic Tables** *(32 33 43 53-0264)* | | |
| 32 33 43 53-0274 | EA | 72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT) | 2,623.47 | |
| 32 33 43 53-0275 | EA | 96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches<br>Note: Standard sealer | 3,027.69 | |
| 32 33 43 53-0276 | EA | 102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends<br>Note: Standard sealer | 3,037.37 | |
| 32 33 43 53-0277 | EA | 42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches<br>Note: Includes table top, four benches and mounting hardware. | 3,212.40 | |
| **32 33 43 53-0278** | | **Plastic Picnic Tables** *(32 33 43 53-0264)*<br>Note: Manufactured from recycled plastic. | | |
| **32 33 43 53-0279** | | **Pedestal Tables - 4' Square, 2 Seats** *(32 33 43 53-0278)* | | |
| 32 33 43 53-0280 | EA | 3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats | 1,463.97 | 74.71 |
| 32 33 43 53-0281 | EA | 4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats | 1,603.60 | 74.71 |
| **32 33 43 53-0282** | | **Pedestal Tables - 4' Square, 4 Seats** *(32 33 43 53-0278)* | | |
| 32 33 43 53-0283 | EA | 3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats | 1,916.78 | 74.71 |
| 32 33 43 53-0284 | EA | 4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats | 2,104.29 | 74.71 |
| **32 33 43 53-0285** | | **Recycled Plastic Tables** *(32 33 43 53-0278)* | | |
| 32 33 43 53-0286 | EA | 6' Standard "Step-Over" Table, Recycled Plastic Lumber | 2,508.55 | 74.71 |
| 32 33 43 53-0287 | EA | 6' " Walk-Through" Table, Recycled Plastic Lumber | 2,090.38 | 74.71 |
| 32 33 43 53-0288 | EA | 7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends | 2,282.55 | 74.71 |
| 32 33 43 53-0289 | EA | 8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends | 2,134.96 | 74.71 |
| 32 33 43 53-0290 | EA | 8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends | 2,684.97 | 74.71 |
| 32 33 43 53-0291 | EA | 4' Youth Table, Recycled Plastic Lumber | 1,070.80 | 59.77 |
| **32 33 53** | | **Site Grills** *(32 33)* | | |
| **32 33 53 00-0001** | | **Picnic Grills** *(32 33 53)* | | |
| 32 33 53 00-0002 | EA | 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill<br>Note: 11 gauge with galvanized steel post. | 443.56 | |
| 32 33 53 00-0003 | EA | 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill<br>Note: 7 gauge with galvanized steel post. | 474.56 | |
| **32 33 63** | | **Skate Board Deterrent** *(32 33)* | | |
| **32 33 63 00-0001** | | **Skate Stoppers** *(32 33 63)* | | |
| 32 33 63 00-0002 | EA | Aluminum Architectural Series Pieces, Skate Stopper<br>Note: Various shapes. Includes drilling and anchoring into suitable surface material. | 66.98 | |
| | | *For >59 To 99, Deduct* | *-7.14* | |
| | | *For >99 To 249, Deduct* | *-9.02* | |
| | | *For >249, Deduct* | *-10.91* | |
| 32 33 63 00-0003 | EA | Aluminum Fixed Angle Series Pieces, Skate Stopper<br>Note: Various shapes. Includes drilling and anchoring into suitable surface material. | 70.89 | |
| | | *For >59 To 99, Deduct* | *-7.68* | |
| | | *For >99 To 249, Deduct* | *-9.69* | |
| | | *For >249, Deduct* | *-11.69* | |
| 32 33 63 00-0004 | EA | Aluminum Fixed Radius Series Pieces, Skate Stopper<br>Note: Various shapes. Includes drilling and anchoring into suitable surface material. | 50.32 | |
| | | *For >59 To 99, Deduct* | *-4.80* | |
| | | *For >99 To 249, Deduct* | *-6.19* | |
| | | *For >249, Deduct* | *-7.57* | |
| 32 33 63 00-0005 | EA | Aluminum Bench Clips, Skate Stopper<br>Note: Various shapes. Includes drilling and anchoring into suitable surface material. | 40.50 | |
| | | *For >59 To 99, Deduct* | *-3.43* | |
| | | *For >99 To 249, Deduct* | *-4.52* | |
| | | *For >249, Deduct* | *-5.61* | |
| 32 33 63 00-0006 | EA | Aluminum Curve Clips, Skate Stopper<br>Note: Various shapes. Includes drilling and anchoring into suitable surface material. | 44.17 | |
| | | *For >59 To 99, Deduct* | *-3.94* | |
| | | *For >99 To 249, Deduct* | *-5.14* | |
| | | *For >249, Deduct* | *-6.34* | |
| 32 33 63 00-0007 | EA | Aluminum Hand Rail, Skate Stopper<br>Note: Various shapes. Includes drilling and anchoring into suitable surface material. | 42.31 | |
| | | *For >59 To 99, Deduct* | *-3.68* | |
| | | *For >99 To 249, Deduct* | *-4.83* | |
| | | *For >249, Deduct* | *-5.97* | |
| 32 33 63 00-0008 | EA | Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper<br>Note: Includes drilling and anchoring into suitable surface material. | 39.89 | |
| | | *For >59 To 99, Deduct* | *-3.34* | |
| | | *For >99 To 249, Deduct* | *-4.42* | |
| | | *For >249, Deduct* | *-5.49* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 33 63 00-0009 | EA | Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper<br>Note: Includes drilling and anchoring into suitable surface material. | 54.89 | |
| | | *For >59 To 99, Deduct* | *-5.44* | |
| | | *For >99 To 249, Deduct* | *-6.97* | |
| | | *For >249, Deduct* | *-8.49* | |
| 32 33 63 00-0010 | EA | Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper<br>Note: Includes drilling and anchoring into suitable surface material. | 99.87 | |
| | | *For >59 To 99, Deduct* | *-11.74* | |
| | | *For >99 To 249, Deduct* | *-14.61* | |
| | | *For >249, Deduct* | *-17.48* | |

# 32 35 Screening Devices *(32 30)*

## 32 35 13 Screens and Louvers *(32 35)*

### 32 35 13 00-0001 Roof Screen System *(32 35 13)*

| | | | | |
|---|---|---|---|---|
| 32 35 13 00-0002 | SF | Roof Screen System<br>Note: Includes panels with bolted connection wall or roof mounted support frames, inside an outside corners, and gates as necessary. | 94.26 | |
| 32 35 13 00-0003 | SF | Roof Screen System (Ruskin EV 700)<br>Note: Includes panels with bolted connection wall or roof mounted support frames, inside an outside corners, and acessories as necessary. | 95.80 | |

## 32 35 16 Sound Barriers *(32 35)*

### 32 35 16 00-0001 Acoustical K-Rail Mounted Sound Wall (Rental) *(32 35 16)*

| | | | | |
|---|---|---|---|---|
| 32 35 16 00-0002 | LF | Freight/Delivery And Installation Of Rented 16' High, Dual K-Rail Mounted STC-32 Sound Wall | 52.53 | |
| 32 35 16 00-0003 | EA | Freight/Delivery And Installation Of Rented 20' K-Rail For Dual K-Rail Mounted Sound Wall | 292.82 | |
| 32 35 16 00-0004 | LF | 16' High, Dual K-Rail Mounted STC-32 Sound Wall, Material Rental Per Month<br>Note: Includes rental material only per LF per Month. | 32.13 | |
| 32 35 16 00-0005 | EA | 20' K-Rail For Dual K-Rail Mounted Sound Wall, Material Rental Per Each<br>Note: Includes rental material only per each 20' section per Month. | 124.95 | |
| 32 35 16 00-0006 | LF | Freight/Return And Removal Of Rented 16' High, Dual K-Rail Mounted STC-32 Sound Wall | 48.69 | |
| 32 35 16 00-0007 | EA | Freight/Return And Removal Of Rented 20' K-Rail For Dual K-Rail Mounted Sound Wall | 292.82 | |

### 32 35 16 00-0008 Acoustical K-Rail Mounted Sound Wall (Purchase) *(32 35 16)*

| | | | | |
|---|---|---|---|---|
| 32 35 16 00-0009 | LF | 16' High, Dual K-Rail Mounted STC-32 Sound Wall (Purchase)<br>Note: Includes freight/delivery, installation and material. | 909.36 | |
| 32 35 16 00-0010 | EA | 20' K-Rail For Dual K-Rail Mounted Sound Wall (Purchase)<br>Note: Includes freight/delivery, installation and material. | 1,363.86 | |

# 32 39 Manufactured Site Specialties *(32 30)*

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0083 for concrete core drilling, 02 41 19 13-0221 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

## 32 39 13 Manufactured Metal Bollards *(32 39)*

### 32 39 13 00-0001 Metal Pipe Bollards *(32 39 13)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

### 32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 39 13 00-0003 | LF | 4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated | 86.04 | 13.47 |
| | | *For Galvanized Steel, Add* | *10.05* | |
| | | *For 304 Stainless Steel, Add* | *79.77* | |
| | | *For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add* | *131.80* | |
| | | *For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add* | *91.82* | |
| | | *For Schedule 80, Add* | *11.56* | |
| | | *For Concrete Fill, Add Per LF Of Pipe Bollard* | *10.64* | |
| 32 39 13 00-0004 | LF | 6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated | 120.15 | 13.47 |
| | | *For Galvanized Steel, Add* | *15.84* | |
| | | *For 304 Stainless Steel, Add* | *125.82* | |
| | | *For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add* | *131.80* | |
| | | *For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add* | *91.82* | |
| | | *For Schedule 80, Add* | *16.68* | |
| | | *For Concrete Fill, Add Per LF Of Pipe Bollard* | *14.98* | |
| 32 39 13 00-0005 | LF | 8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated | 171.91 | 16.85 |
| | | *For Galvanized Steel, Add* | *23.50* | |
| | | *For 304 Stainless Steel, Add* | *186.62* | |
| | | *For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add* | *172.68* | |
| | | *For Each Sleeve For Removable, Lockable Bollard, Add* | *135.50* | |
| | | *For Schedule 80, Add* | *24.10* | |
| | | *For Concrete Fill, Add Per LF Of Pipe Bollard* | *20.02* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 39 13 00-0006 | LF | 10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated | 229.54 | 20.21 |
| | | *For Galvanized Steel, Add* | *32.15* | |
| | | *For 304 Stainless Steel, Add* | *255.33* | |
| | | *For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add* | *199.64* | |
| | | *For Each Sleeve For Removable, Lockable Bollard, Add* | *148.98* | |
| | | *For Schedule 80, Add* | *32.41* | |
| | | *For Concrete Fill, Add Per LF Of Pipe Bollard* | *24.46* | |
| 32 39 13 00-0007 | LF | 12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated | 288.60 | 26.95 |
| | | *For Galvanized Steel, Add* | *39.90* | |
| | | *For 304 Stainless Steel, Add* | *316.86* | |
| | | *For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add* | *274.56* | |
| | | *For Each Sleeve For Removable, Lockable Bollard, Add* | *204.65* | |
| | | *For Schedule 80, Add* | *40.60* | |
| | | *For Concrete Fill, Add Per LF Of Pipe Bollard* | *28.53* | |

## 32 39 23 Manufactured Concrete Bollards *(32 39)*

### 32 39 23 00-0001 Concrete Bollards *(32 39 23)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

### 32 39 23 00-0002 Concrete Bollard, Exposed Aggregate *(32 39 23 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 39 23 00-0003 | EA | 12" x 12" x 30" High Concrete Bollard, Light Media Blast<br>Note: Surface mounted with anchor bolts embedded into grout pockets. | 665.00 | 107.77 |
| 32 39 23 00-0004 | EA | 12" Diameter x 30" High Concrete Bollard, Light Media Blast<br>Note: Surface mounted with anchor bolts embedded into grout pockets. | 665.00 | 107.77 |

### 32 39 23 00-0005 Poured In Place Concrete Bollard With Powder Coated Steel Exterior *(32 39 23 00-0001)*

Note: Includes high visibility powder coated steel exterior with welded anchoring tabs for embedding in concrete. Excludes excavation and concrete foundation.

| | | | | |
|---|---|---|---|---|
| 32 39 23 00-0006 | EA | 24" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior | 253.32 | 53.89 |
| 32 39 23 00-0007 | EA | 36" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior | 325.05 | 53.89 |
| 32 39 23 00-0008 | EA | 42" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior | 372.91 | 53.89 |
| 32 39 23 00-0009 | EA | 48" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior | 418.33 | 53.89 |

## 32 39 25 Manufactured Wood Bollards *(32 39)*

### 32 39 25 00-0001 Wood Bollards *(32 39 25)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

### 32 39 25 00-0002 Wood Bollard, Pressure Treated Timber *(32 39 25 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 39 25 00-0003 | LF | 4" x 4", Pressure Treated Wood Bollard | 24.61 | 10.78 |
| | | *For Each Sleeve For Removable, Lockable Bollard, Add* | *90.12* | |
| 32 39 25 00-0004 | LF | 6" x 6", Pressure Treated Wood Bollard | 27.84 | 10.78 |
| | | *For Each Sleeve For Removable, Lockable Bollard, Add* | *90.12* | |
| 32 39 25 00-0005 | LF | 8" x 8", Pressure Treated Wood Bollard | 35.44 | 12.12 |
| | | *For Each Sleeve For Removable, Lockable Bollard, Add* | *133.68* | |
| 32 39 25 00-0006 | LF | 10" x 10", Pressure Treated Wood Bollard | 49.79 | 16.17 |
| | | *For Each Sleeve For Removable, Lockable Bollard, Add* | *149.86* | |
| 32 39 25 00-0007 | LF | 12" x 12", Pressure Treated Wood Bollard | 68.24 | 21.55 |
| | | *For Each Sleeve For Removable, Lockable Bollard, Add* | *207.29* | |

## 32 39 27 Manufactured Plastic Bollards *(32 39)*

### 32 39 27 00-0001 Plastic Bollards *(32 39 27)*

See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.

### 32 39 27 00-0002 Recycled Plastic Bollards *(32 39 27 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 39 27 00-0003 | EA | 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard<br>Note: Includes anchor bolts. | 361.95 | 53.89 |
| 32 39 27 00-0004 | EA | 6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard | 588.22 | 53.89 |

### 32 39 27 00-0005 Plastic Bollard Covers *(32 39 27 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 39 27 00-0006 | EA | 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe | 92.80 | 12.80 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0007 | EA | 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe | 100.36 | 14.08 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0008 | EA | 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe | 126.40 | 12.80 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0009 | EA | 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe | 126.40 | 12.80 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0010 | EA | 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe | 142.09 | 12.80 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0011 | EA | 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe | 126.40 | 12.80 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0012 | EA | 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe | 128.64 | 12.80 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0013 | EA | 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe | 126.40 | 12.80 |
| | | *For Reflective Tape, Add* | *10.67* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 39 27 00-0014 | EA | 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe | 128.64 | 12.80 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0015 | EA | 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe | 180.18 | 12.80 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0016 | EA | 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe | 128.96 | 14.08 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0017 | EA | 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe | 164.81 | 14.08 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0018 | EA | 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe | 187.74 | 14.08 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0019 | EA | 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe | 158.41 | 15.36 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0020 | EA | 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe | 171.86 | 15.36 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0021 | EA | 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe | 171.86 | 15.36 |
| | | *For Reflective Tape, Add* | *10.67* | |
| 32 39 27 00-0022 | EA | 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe | 232.37 | 15.36 |
| | | *For Reflective Tape, Add* | *10.67* | |

### 32 39 29 Manufactured Stone Bollards *(32 39)*

32 39 29 00-0001 Stone Bollards *(32 39 29)*

See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 29 00-0002 Granite Bollards *(32 39 29 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 39 29 00-0003 | EA | 16" x 16" x 30" Granite Bollard, Smooth Matt Finish<br>Note: Surface mounted with anchors embedded into grout pockets. | 1,659.51 | 134.72 |
| 32 39 29 00-0004 | EA | 16" x 16" x 54" Granite Bollard, Smooth Matt Finish<br>Note: Surface mounted with anchors embedded into grout pockets. | 2,095.86 | 188.60 |
| 32 39 29 00-0005 | EA | 12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top<br>Note: Surface mounted with anchors embedded into grout pockets. | 1,012.49 | 134.72 |
| 32 39 29 00-0006 | EA | 12" Diameter x 18" Granite Bollard, Smooth Matt Finish<br>Note: Flat Top, surface mounted with anchors embedded into grout pockets. | 1,529.80 | 107.77 |
| 32 39 29 00-0007 | EA | 24" x 24" x 20" Granite Bollard, Octagonal Cross Section<br>Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets. | 2,300.67 | 107.77 |

### 32 39 43 Custom Manufactured Fencing *(32 39)*

32 39 43 00-0001 Custom Fabricated Fencing And Screens *(32 39 43)*

| | | | | |
|---|---|---|---|---|
| 32 39 43 00-0002 | EA | Custom Fabricated Barrier Fence<br>Note: Includes 7 - 2" SQ. Tubular Steel Post, 4'-6" Height – Galvanized tubular steel post with final, 2" x 2", RAL 1028 Mellon Yellow & Powder coated finish with Post plate and bolts – Post plate with 3/8" Dia. holes and anchor bolts, 4 x 4, RAL 1028 Mellon Yellow & Galvanized finish; 17 rows @ 33' - 3/8" Thick Metal Wire Panel – Galvanized Metal Wire Panel, RAL 3000 Flame Red Color & Powder coated finish; 6 - 5' Diameter, Galvanized Perforated Metal Panel – 12 GA. Perforated Metal Panel with 3/8" Dia. holes at 9/16" O.C. and Hemmed Edges to be welded to wire frame, Gray and Powder coated finish; 2 - Galvanized Metal Strip – 1/8" thick x 1 ½" wide x 53" long, RAL 1028 Mellon Yellow & Powder coated finish. Includes shop drilling in posts and base plates, shop fabricated welding, and anchors. | 106,632.42 | |

## 32 80 Irrigation *(32)*

### 32 84 Planting Irrigation *(32 80)*

#### 32 84 13 Drip Irrigation *(32 84)*

32 84 13 00-0001 Drip Emitter Irrigation Devices *(32 84 13)*

32 84 13 00-0002 Drip Emitter Irrigation Valves *(32 84 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 84 13 00-0003 | EA | 1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050) | 52.26 | 11.71 |
| 32 84 13 00-0004 | EA | 1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100) | 88.77 | 11.71 |
| 32 84 13 00-0005 | EA | 3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075) | 86.23 | 11.71 |
| 32 84 13 00-0006 | EA | 3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS) | 120.53 | 11.71 |

32 84 13 00-0007 Drip Emitter Irrigation Filters *(32 84 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 84 13 00-0008 | EA | 3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075) | 193.02 | 11.71 |
| 32 84 13 00-0009 | EA | 1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100) | 194.91 | 11.71 |
| 32 84 13 00-0010 | EA | 3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX) | 68.21 | 11.71 |
| 32 84 13 00-0011 | EA | 1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX) | 69.72 | 11.71 |
| 32 84 13 00-0012 | EA | 1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100) | 210.59 | 11.71 |
| 32 84 13 00-0013 | EA | 3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY) | 90.92 | 11.71 |
| 32 84 13 00-0014 | EA | 1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY) | 102.74 | 11.71 |

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators *(32 84 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 84 13 00-0016 | EA | 3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075) | 66.68 | 11.71 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 13 00-0017 | EA | 3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075) | 66.68 | 11.71 |
| 32 84 13 00-0018 | EA | 3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075) | 66.68 | 11.71 |
| 32 84 13 00-0019 | EA | 1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100) | 79.11 | 11.71 |
| **32 84 13 00-0020** | | **Drip Emitter Irrigation Tubing** *(32 84 13 00-0001)* | | |
| | | Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc. | | |
| 32 84 13 00-0021 | LF | 1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100) | 4.68 | 1.64 |
| 32 84 13 00-0022 | LF | 1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100) | 4.12 | 1.87 |
| 32 84 13 00-0023 | LF | 1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100) | 3.48 | 1.64 |
| | | *For Shallow Trenching And Backfill By Hand, Add* | *6.72* | |
| 32 84 13 00-0024 | LF | 1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100) | 4.22 | 1.87 |
| | | *For Shallow Trenching And Backfill By Hand, Add* | *7.28* | |
| **32 84 13 00-0025** | | **Drip Emitter Irrigation Fittings** *(32 84 13 00-0001)* | | |
| 32 84 13 00-0026 | EA | 1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN) | 3.16 | |
| 32 84 13 00-0027 | EA | 1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL) | 3.20 | |
| 32 84 13 00-0028 | EA | 1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE) | 3.27 | |
| 32 84 13 00-0029 | EA | 1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025) | 3.49 | |
| 32 84 13 00-0030 | EA | 1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX) | 3.12 | |
| 32 84 13 00-0031 | EA | 17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP) | 3.38 | |
| | | *For Compression Fitting, Add* | *0.45* | |
| 32 84 13 00-0032 | EA | 17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW) | 3.51 | |
| | | *For Compression Fitting, Add* | *0.58* | |
| 32 84 13 00-0033 | EA | 17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE) | 3.57 | |
| | | *For Compression Fitting, Add* | *0.64* | |
| 32 84 13 00-0034 | EA | 17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050) | 3.61 | |
| | | *For Compression Fitting, Add* | *0.68* | |
| 32 84 13 00-0035 | EA | 17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS) | 3.88 | |
| | | *For Compression Fitting, Add* | *0.95* | |
| 32 84 13 00-0036 | EA | 1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP) | 4.19 | |
| 32 84 13 00-0037 | EA | 12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND) | 2.06 | |
| **32 84 13 00-0038** | | **Drip Emitters** *(32 84 13 00-0001)* | | |
| 32 84 13 00-0039 | EA | 0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC) | 6.54 | |
| 32 84 13 00-0040 | EA | 5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24) | 7.75 | |
| 32 84 13 00-0041 | EA | 0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056) | 17.32 | |
| **32 84 13 00-0042** | | **Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters** *(32 84 13 00-0001)* | | |
| 32 84 13 00-0043 | EA | Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK) | 25.28 | 10.53 |
| 32 84 13 00-0044 | EA | Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK) | 25.34 | 10.53 |
| 32 84 13 00-0045 | EA | 12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL) | 28.68 | 10.53 |
| 32 84 13 00-0046 | EA | 24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL) | 29.03 | 10.53 |
| 32 84 13 00-0047 | EA | 4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) Note: Includes nozzle. | 43.07 | 13.81 |
| 32 84 13 00-0048 | EA | 6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) Note: Includes nozzle. | 47.37 | 13.81 |
| 32 84 13 00-0049 | EA | 12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) Note: Includes nozzle. | 50.63 | 13.81 |
| **32 84 13 00-0050** | | **Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS)** *(32 84 13 00-0001)* | | |
| | | Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench. | | |
| 32 84 13 00-0051 | LF | 0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield) | 4.73 | 2.04 |
| **32 84 23** | | **Underground Sprinklers** *(32 84)* | | |
| **32 84 23 00-0001** | | **Sprinkler Heads** *(32 84 23)* | | |
| **32 84 23 00-0002** | | **Spray Sprinkler Heads** *(32 84 23 00-0001)* | | |
| | | Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage. | | |
| 32 84 23 00-0003 | EA | 2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P) | 37.56 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0004 | EA | 4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P) | 35.13 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0005 | EA | 6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P) | 44.16 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0006 | EA | 12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P) | 51.73 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0007 | EA | 4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM) | 38.53 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0008 | EA | 6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM) | 51.25 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0009 | EA | 12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM) | 57.37 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0010 | EA | 4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS) | 42.15 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0011 | EA | 6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS) | 53.74 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0012 | EA | 12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS) | 59.46 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0013 | EA | 4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS) | 43.60 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0014 | EA | 6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS) | 61.39 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0015 | EA | 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS) | 67.03 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0016 | EA | Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300) | 30.38 | 12.93 |
| | | *For Rotary Nozzle, Add* | *3.25* | |
| 32 84 23 00-0017 | EA | Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400) | 36.03 | 12.93 |
| 32 84 23 00-0018 | | **Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0001)* | | |
| | | Note: Maximum spacing is equivalent to maximum radius. | | |
| 32 84 23 00-0019 | | **1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)* | | |
| | | Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage. | | |
| 32 84 23 00-0020 | EA | 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC) | 55.44 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| 32 84 23 00-0021 | EA | 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM) | 57.45 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| 32 84 23 00-0022 | | **3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)* | | |
| | | Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage. | | |
| 32 84 23 00-0023 | EA | 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC) | 50.60 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| | | *For Stainless Steel Riser, Add* | *9.00* | |
| 32 84 23 00-0024 | EA | 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC) | 72.35 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| | | *For Stainless Steel Riser, Add* | *9.00* | |
| 32 84 23 00-0025 | EA | 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS) | 54.63 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| | | *For Stainless Steel Riser, Add* | *9.00* | |
| 32 84 23 00-0026 | EA | 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS) | 75.57 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| | | *For Stainless Steel Riser, Add* | *9.00* | |
| 32 84 23 00-0027 | EA | 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR) | 56.24 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| | | *For Stainless Steel Riser, Add* | *9.00* | |
| 32 84 23 00-0028 | EA | 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR) | 59.46 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| | | *For Stainless Steel Riser, Add* | *9.00* | |
| 32 84 23 00-0029 | EA | 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR) | 80.40 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| | | *For Stainless Steel Riser, Add* | *9.00* | |
| 32 84 23 00-0030 | EA | 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR) | 93.28 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| | | *For Stainless Steel Riser, Add* | *9.00* | |
| 32 84 23 00-0031 | EA | Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS) | 59.06 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| 32 84 23 00-0032 | EA | Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR) | 71.94 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| 32 84 23 00-0033 | | **1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)* | | |
| | | Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage. | | |
| 32 84 23 00-0034 | EA | 4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC) | 102.54 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| | | *For Stainless Steel Riser, Add* | *9.00* | |
| | | *For Stainless Steel Riser And High Speed Rotor, Add* | *59.26* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0035 | | 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)* | | |
| | | Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage. | | |
| 32 84 23 00-0036 | EA | 5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005) | 149.25 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| | | *For Stainless Steel Riser, Add* | *9.00* | |
| 32 84 23 00-0037 | | Impact-Drive Sprinkler Heads *(32 84 23 00-0001)* | | |
| | | Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius. | | |
| 32 84 23 00-0038 | EA | 1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08) | 80.00 | 12.93 |
| | | *For Non-Potable Cover, Add* | *2.00* | |
| 32 84 23 00-0039 | EA | 1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08) | 60.67 | 12.93 |
| 32 84 23 00-0040 | EA | 3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB) | 125.06 | 12.93 |
| 32 84 23 00-0041 | | Electric Remote Control Irrigation Valves *(32 84 23)* | | |
| 32 84 23 00-0042 | | 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) *(32 84 23 00-0041)* | | |
| | | Note: 15 to 150 PSI. | | |
| 32 84 23 00-0043 | EA | 3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV) | 158.42 | 53.90 |
| 32 84 23 00-0044 | EA | 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV) | 158.42 | 53.90 |
| 32 84 23 00-0045 | EA | 1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS) | 173.82 | 61.44 |
| 32 84 23 00-0046 | EA | 1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA) | 160.03 | 53.90 |
| 32 84 23 00-0047 | | 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) *(32 84 23 00-0041)* | | |
| | | Note: 15 to 150 PSI. | | |
| 32 84 23 00-0048 | EA | 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF) | 160.03 | 53.90 |
| 32 84 23 00-0049 | EA | 1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS) | 176.24 | 61.44 |
| 32 84 23 00-0050 | EA | 1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB) | 177.85 | 61.44 |
| 32 84 23 00-0051 | | 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) *(32 84 23 00-0041)* | | |
| | | Note: 20 to 200 PSI. | | |
| 32 84 23 00-0052 | EA | 1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB) | 288.87 | 53.90 |
| 32 84 23 00-0053 | EA | 1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB) | 345.24 | 53.90 |
| 32 84 23 00-0054 | EA | 2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB) | 417.71 | 53.90 |
| 32 84 23 00-0055 | | 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) *(32 84 23 00-0041)* | | |
| | | Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation. | | |
| 32 84 23 00-0056 | EA | 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D) | 424.63 | 60.58 |
| 32 84 23 00-0057 | EA | 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D) | 481.00 | 60.58 |
| 32 84 23 00-0058 | EA | 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D) | 553.47 | 60.58 |
| 32 84 23 00-0059 | | 20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) *(32 84 23 00-0041)* | | |
| | | Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation. | | |
| 32 84 23 00-0060 | EA | 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D) | 505.16 | 60.58 |
| 32 84 23 00-0061 | EA | 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D) | 561.53 | 60.58 |
| 32 84 23 00-0062 | EA | 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D) | 634.00 | 60.58 |
| 32 84 23 00-0063 | | 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) *(32 84 23 00-0041)* | | |
| | | Note: 20 to 200 PSI operating range pressure. | | |
| 32 84 23 00-0064 | EA | 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B) | 449.19 | 53.90 |
| 32 84 23 00-0065 | EA | 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B) | 708.34 | 53.90 |
| 32 84 23 00-0066 | EA | 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B) | 731.76 | 53.90 |
| 32 84 23 00-0067 | EA | 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B) | 1,757.56 | 72.76 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **32 84 23 00-0068** | | **5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series)** *(32 84 23 00-0041)* | | |
| | | Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation. | | |
| 32 84 23 00-0069 | EA | 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP) | 407.16 | 60.58 |
| 32 84 23 00-0070 | EA | 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP) | 484.22 | 60.58 |
| 32 84 23 00-0071 | EA | 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP) | 567.89 | 60.58 |
| 32 84 23 00-0072 | EA | 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP) | 678.05 | 60.58 |
| **32 84 23 00-0073** | | **0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series)** *(32 84 23 00-0041)* | | |
| | | Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation. | | |
| 32 84 23 00-0074 | EA | 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS) | 552.01 | 60.58 |
| 32 84 23 00-0075 | EA | 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS) | 859.47 | 60.58 |
| 32 84 23 00-0076 | EA | 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS) | 885.82 | 60.58 |
| 32 84 23 00-0077 | EA | 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS) | 1,890.20 | 60.58 |
| **32 84 23 00-0078** | | **0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series)** *(32 84 23 00-0041)* | | |
| | | Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation. | | |
| 32 84 23 00-0079 | EA | 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ) | 566.32 | 53.90 |
| 32 84 23 00-0080 | EA | 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ) | 825.47 | 53.90 |
| 32 84 23 00-0081 | EA | 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ) | 848.89 | 53.90 |
| 32 84 23 00-0082 | EA | 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ) | 1,874.69 | 72.76 |
| **32 84 23 00-0083** | | **5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series)** *(32 84 23 00-0041)* | | |
| | | Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation. | | |
| 32 84 23 00-0084 | EA | 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D) | 527.95 | 60.58 |
| 32 84 23 00-0085 | EA | 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D) | 605.01 | 60.58 |
| 32 84 23 00-0086 | EA | 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D) | 688.68 | 60.58 |
| 32 84 23 00-0087 | EA | 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D) | 798.83 | 60.58 |
| **32 84 23 00-0088** | | **0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series)** *(32 84 23 00-0041)* | | |
| | | Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation. | | |
| 32 84 23 00-0089 | EA | 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ) | 669.14 | 60.58 |
| 32 84 23 00-0090 | EA | 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ) | 976.60 | 60.58 |
| 32 84 23 00-0091 | EA | 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ) | 1,002.95 | 60.58 |
| 32 84 23 00-0092 | EA | 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ) | 2,007.32 | 60.58 |
| **32 84 23 00-0093** | | **Other Electric Remote Control Valves/Accessories** *(32 84 23 00-0041)* | | |
| 32 84 23 00-0094 | EA | Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL) | 163.90 | |
| **32 84 23 00-0095** | | **Remote Control Valve Assemblies** *(32 84 23 00-0041)* | | |
| | | Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224. | | |
| 32 84 23 00-0096 | EA | 1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12) | 588.53 | 134.74 |
| 32 84 23 00-0097 | EA | 1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12) | 644.90 | 134.74 |
| 32 84 23 00-0098 | EA | 2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12) | 717.37 | 134.74 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0099 | EA | 1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)<br>Note: Purple components for use with recycled water | 669.06 | 134.74 |
| 32 84 23 00-0100 | EA | 1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)<br>Note: Purple components for use with recycled water | 725.43 | 134.74 |
| 32 84 23 00-0101 | EA | 2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)<br>Note: Purple components for use with recycled water | 797.90 | 134.74 |
| 32 84 23 00-0102 | EA | 1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)<br>Note: Purple components for use with recycled water | 691.85 | 134.74 |
| 32 84 23 00-0103 | EA | 1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)<br>Note: Purple components for use with recycled water | 852.58 | 134.74 |
| 32 84 23 00-0104 | EA | 2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)<br>Note: Purple components for use with recycled water | 962.73 | 134.74 |
| 32 84 23 00-0105 | | **Irrigation Valve Boxes** *(32 84 23)*<br>Note: Includes lid. | | |
| 32 84 23 00-0106 | EA | 6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND) | 92.53 | 38.80 |
| 32 84 23 00-0107 | EA | 7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND) | 111.55 | 38.80 |
| 32 84 23 00-0108 | EA | 10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND) | 146.23 | 51.09 |
| 32 84 23 00-0109 | EA | 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD) | 242.63 | 74.59 |
| 32 84 23 00-0110 | EA | 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH) | 247.95 | 74.59 |
| 32 84 23 00-0111 | EA | 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB) | 286.12 | 74.59 |
| 32 84 23 00-0112 | EA | 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH) | 290.66 | 74.59 |
| 32 84 23 00-0113 | EA | 33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH) | 508.76 | 74.59 |
| 32 84 23 00-0114 | EA | 40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH) | 791.25 | 74.59 |
| 32 84 23 00-0115 | EA | Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid | 493.97 | 149.31 |
| | *For 12" Extension, Add* | | *105.54* | |
| 32 84 23 00-0116 | EA | Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid | 771.48 | 149.31 |
| | *For 12" Extension, Add* | | *105.54* | |
| 32 84 23 00-0117 | EA | 12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12) | 198.42 | 64.68 |
| 32 84 23 00-0118 | EA | 15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12) | 288.52 | 74.59 |
| 32 84 23 00-0119 | EA | 10" Round Irrigation Valve Box With Lid (Carson 910-10) | 152.35 | 51.09 |
| 32 84 23 00-0120 | | **Irrigation Controllers** *(32 84 23)* | | |
| 32 84 23 00-0121 | | **Irrigation Controllers** *(32 84 23 00-0120)* | | |
| 32 84 23 00-0122 | | **Irrigation Controllers (Rain Bird®)** *(32 84 23 00-0121)* | | |
| 32 84 23 00-0123 | | **Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series)** *(32 84 23 00-0122)* | | |
| 32 84 23 00-0124 | | **Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)** *(32 84 23 00-0123)* | | |
| 32 84 23 00-0125 | | **Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series)** *(32 84 23 00-0124)* | | |
| 32 84 23 00-0126 | EA | 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) | 458.95 | 39.85 |
| 32 84 23 00-0127 | EA | 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) | 640.61 | 39.85 |
| 32 84 23 00-0128 | EA | 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) | 822.29 | 39.85 |
| 32 84 23 00-0129 | EA | 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) | 1,003.95 | 39.85 |
| 32 84 23 00-0130 | EA | 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) | 1,145.79 | 39.85 |
| 32 84 23 00-0131 | EA | 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) | 1,332.45 | 39.85 |
| 32 84 23 00-0132 | EA | 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) | 1,519.10 | 39.85 |
| 32 84 23 00-0133 | | **Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)** *(32 84 23 00-0124)* | | |
| 32 84 23 00-0134 | EA | 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) | 541.33 | 39.85 |
| 32 84 23 00-0135 | EA | 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) | 722.98 | 39.85 |
| 32 84 23 00-0136 | EA | 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) | 904.66 | 39.85 |
| 32 84 23 00-0137 | EA | 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) | 1,086.33 | 39.85 |
| 32 84 23 00-0138 | EA | 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) | 1,228.17 | 39.85 |
| 32 84 23 00-0139 | EA | 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) | 1,414.82 | 39.85 |
| 32 84 23 00-0140 | EA | 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) | 1,601.47 | 39.85 |
| 32 84 23 00-0141 | | **Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)** *(32 84 23 00-0123)* | | |
| 32 84 23 00-0142 | | **Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series)** *(32 84 23 00-0141)* | | |
| 32 84 23 00-0143 | EA | 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) | 745.10 | 39.85 |
| 32 84 23 00-0144 | EA | 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) | 926.75 | 39.85 |
| 32 84 23 00-0145 | EA | 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) | 1,108.43 | 39.85 |
| 32 84 23 00-0146 | EA | 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) | 1,290.10 | 39.85 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0147 | EA | 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) | 1,431.94 | 39.85 |
| 32 84 23 00-0148 | EA | 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) | 1,618.59 | 39.85 |
| 32 84 23 00-0149 | EA | 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) | 1,805.24 | 39.85 |
| **32 84 23 00-0150** | | **Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)** *(32 84 23 00-0141)* | | |
| 32 84 23 00-0151 | EA | 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) | 806.82 | 39.85 |
| 32 84 23 00-0152 | EA | 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) | 988.48 | 39.85 |
| 32 84 23 00-0153 | EA | 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) | 1,170.16 | 39.85 |
| 32 84 23 00-0154 | EA | 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) | 1,351.82 | 39.85 |
| 32 84 23 00-0155 | EA | 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) | 1,493.66 | 39.85 |
| 32 84 23 00-0156 | EA | 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) | 1,680.32 | 39.85 |
| 32 84 23 00-0157 | EA | 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) | 1,866.96 | 39.85 |
| **32 84 23 00-0158** | | **Accessories For ESP-ME/MEI Irrigation Controllers** *(32 84 23 00-0123)* | | |
| 32 84 23 00-0159 | EA | 3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)<br>Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations. | 186.65 | |
| 32 84 23 00-0160 | EA | 6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)<br>Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations. | 356.13 | |
| 32 84 23 00-0161 | EA | Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG) | 522.03 | |
| **32 84 23 00-0162** | | **Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series)** *(32 84 23 00-0122)* | | |
| **32 84 23 00-0163** | | **Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series)** *(32 84 23 00-0162)* | | |
| 32 84 23 00-0164 | EA | 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) | 1,097.69 | 39.85 |
| 32 84 23 00-0165 | EA | 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) | 1,327.17 | 39.85 |
| 32 84 23 00-0166 | EA | 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) | 1,560.64 | 39.85 |
| 32 84 23 00-0167 | EA | 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) | 1,790.10 | 39.85 |
| 32 84 23 00-0168 | EA | 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) | 2,023.57 | 39.85 |
| 32 84 23 00-0169 | EA | 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) | 2,253.05 | 39.85 |
| 32 84 23 00-0170 | EA | 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) | 2,486.51 | 39.85 |
| 32 84 23 00-0171 | EA | 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) | 2,715.98 | 39.85 |
| 32 84 23 00-0172 | EA | 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) | 2,949.46 | 39.85 |
| 32 84 23 00-0173 | EA | 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) | 3,178.93 | 39.85 |
| **32 84 23 00-0174** | | **Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series)** *(32 84 23 00-0162)* | | |
| 32 84 23 00-0175 | EA | 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) | 1,107.93 | 39.85 |
| 32 84 23 00-0176 | EA | 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) | 1,337.39 | 39.85 |
| 32 84 23 00-0177 | EA | 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) | 1,570.86 | 39.85 |
| 32 84 23 00-0178 | EA | 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) | 1,800.34 | 39.85 |
| 32 84 23 00-0179 | EA | 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) | 2,033.80 | 39.85 |
| 32 84 23 00-0180 | EA | 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) | 2,263.27 | 39.85 |
| 32 84 23 00-0181 | EA | 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) | 2,496.75 | 39.85 |
| 32 84 23 00-0182 | EA | 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) | 2,726.22 | 39.85 |
| 32 84 23 00-0183 | EA | 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) | 2,959.68 | 39.85 |
| 32 84 23 00-0184 | EA | 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) | 3,189.16 | 39.85 |
| 32 84 23 00-0185 | EA | 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) | 3,422.63 | 39.85 |
| **32 84 23 00-0186** | | **Accessories For ESP-LX/LXME Irrigation Controllers** *(32 84 23 00-0162)* | | |
| 32 84 23 00-0187 | EA | Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM) | 828.69 | |
| 32 84 23 00-0188 | EA | Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM)<br>Note: Excludes concrete foundation. | 1,927.06 | |
| 32 84 23 00-0189 | EA | Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS) | 1,837.44 | |
| 32 84 23 00-0190 | EA | Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS)<br>Note: Excludes concrete foundation. | 4,084.39 | |
| 32 84 23 00-0191 | EA | 4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4)<br>Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations. | 229.47 | |
| 32 84 23 00-0192 | EA | 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8)<br>Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations. | 462.95 | |
| 32 84 23 00-0193 | EA | 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12)<br>Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations. | 719.88 | |
| 32 84 23 00-0194 | EA | Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME) | 269.44 | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0195 | | Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0122)* | | |
| 32 84 23 00-0196 | | Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0195)* | | |
| 32 84 23 00-0197 | EA | 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series) | 539.01 | 39.85 |
| 32 84 23 00-0198 | EA | 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series) | 648.76 | 39.85 |
| 32 84 23 00-0199 | EA | 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series) | 800.35 | 39.85 |
| 32 84 23 00-0200 | | Accessories For TBOS-II Series Irrigation Controllers *(32 84 23 00-0195)* | | |
| 32 84 23 00-0201 | EA | Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS) | 699.13 | |
| 32 84 23 00-0202 | EA | Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL) | 133.71 | 29.88 |
| 32 84 23 00-0203 | | Accessories For Irrigation Controllers (Rain Bird®) *(32 84 23 00-0122)* | | |
| 32 84 23 00-0204 | EA | Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX) | 185.45 | 29.88 |
| 32 84 23 00-0205 | EA | Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC) | 384.98 | 29.88 |
| 32 84 23 00-0206 | EA | Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC) | 408.95 | 29.88 |
| 32 84 23 00-0207 | EA | Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y) | 616.69 | 29.88 |
| 32 84 23 00-0208 | | Two-Wire Decoder Systems *(32 84 23 00-0120)* | | |
| 32 84 23 00-0209 | | Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0208)* | | |
| 32 84 23 00-0210 | | Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) *(32 84 23 00-0209)* Note: Includes water resistant cabinet. | | |
| 32 84 23 00-0211 | EA | 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) | 3,224.52 | 39.85 |
| 32 84 23 00-0212 | EA | 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) | 4,540.99 | 39.85 |
| 32 84 23 00-0213 | EA | 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) | 5,857.47 | 39.85 |
| 32 84 23 00-0214 | | Field Decoders For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0209)* | | |
| 32 84 23 00-0215 | EA | One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF) | 391.57 | 39.85 |
| 32 84 23 00-0216 | EA | One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF) | 499.39 | 39.85 |
| 32 84 23 00-0217 | EA | Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF) | 749.75 | 39.85 |
| 32 84 23 00-0218 | EA | Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF) | 919.09 | 39.85 |
| 32 84 23 00-0219 | EA | Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF) | 1,529.78 | 39.85 |
| 32 84 23 00-0220 | | Accessories For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0209)* | | |
| 32 84 23 00-0221 | EA | 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD) | 2,385.71 | |
| 32 84 23 00-0222 | EA | 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75) | 1,316.47 | |
| 32 84 23 00-0223 | EA | Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF) | 295.41 | 34.86 |
| 32 84 23 00-0224 | EA | Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF) | 1,368.03 | 39.85 |
| 32 84 23 00-0225 | | Calsense Controllers *(32 84 23 00-0120)* | | |
| 32 84 23 00-0226 | | Irrigation Controllers *(32 84 23 00-0225)* | | |
| 32 84 23 00-0227 | EA | 6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6) | 2,898.86 | 99.60 |
| 32 84 23 00-0228 | EA | 8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8) | 3,739.94 | 112.05 |
| 32 84 23 00-0229 | EA | 12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12) | 5,133.50 | 124.51 |
| 32 84 23 00-0230 | EA | 16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16) | 5,648.32 | 124.51 |
| 32 84 23 00-0231 | EA | 24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24) | 6,677.73 | 136.96 |
| 32 84 23 00-0232 | EA | 32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32) | 8,058.94 | 136.96 |
| 32 84 23 00-0233 | EA | 40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40) | 9,126.04 | 149.41 |
| 32 84 23 00-0234 | EA | 48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48) | 10,218.46 | 149.41 |
| 32 84 23 00-0235 | EA | Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE) | 2,953.35 | 49.81 |
| 32 84 23 00-0236 | EA | Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE) | 1,241.10 | 49.81 |
| 32 84 23 00-0237 | | Irrigation Controller Accessories *(32 84 23 00-0225)* | | |
| 32 84 23 00-0238 | EA | Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1) | 120.54 | |
| 32 84 23 00-0239 | EA | Spare Lock For Enclosures (Calsense PAD) | 130.59 | |
| 32 84 23 00-0240 | EA | Hardware And Software For Up To 4 Additional Light Circuits (Calsense L) | 155.49 | 12.45 |
| 32 84 23 00-0241 | EA | Transformer For Irrigation Controllers (Calsense TR-1) | 225.16 | 49.81 |
| 32 84 23 00-0242 | EA | AC Line Protection For Irrigation Controllers (Calsense TP-110) | 614.42 | 49.81 |
| 32 84 23 00-0243 | EA | Transient Protection Board For Irrigation Controller Stations (Calsense TP-1) | 815.32 | 49.81 |
| | | *For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add* | *368.79* | |
| 32 84 23 00-0244 | | Sensors For Irrigation Controllers *(32 84 23 00-0225)* | | |
| 32 84 23 00-0245 | | Flow Sensors *(32 84 23 00-0244)* | | |
| 32 84 23 00-0246 | EA | 1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5) | 1,430.17 | 74.71 |
| | | *For Flow Meter Replacement Insert Only, Deduct* | *-1,035.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0247 | EA | 2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2) | 1,480.40 | 74.71 |
| | | *For Flow Meter Replacement Insert Only, Deduct* | *-1,085.79* | |
| 32 84 23 00-0248 | EA | 3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3) | 1,530.63 | 74.71 |
| | | *For Flow Meter Replacement Insert Only, Deduct* | *-1,136.02* | |
| 32 84 23 00-0249 | EA | 1" Brass Tee Mounted Flow Meter (Calsense FM 1B) | 1,693.43 | 99.60 |
| | | *For Flow Meter Replacement Insert Only, Deduct* | *-1,298.51* | |
| 32 84 23 00-0250 | EA | 1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B) | 1,819.00 | 99.60 |
| | | *For Flow Meter Replacement Insert Only, Deduct* | *-1,424.08* | |
| 32 84 23 00-0251 | EA | 1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B) | 1,869.22 | 99.60 |
| | | *For Flow Meter Replacement Insert Only, Deduct* | *-1,474.30* | |
| 32 84 23 00-0252 | EA | 2" Brass Tee Mounted Flow Meter (Calsense FM 2B) | 2,195.69 | 99.60 |
| | | *For Flow Meter Replacement Insert Only, Deduct* | *-1,672.59* | |
| 32 84 23 00-0253 | EA | 2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX)<br>Note: For 4" and larger pipe. Excludes pipe saddle. | 1,706.83 | 49.81 |
| | | *For Flow Meter Replacement Insert Only, Deduct* | *-1,183.73* | |

## 32 84 23 00-0254 Moisture Sensors *(32 84 23 00-0244)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0255 | EA | Soil Moisture Sensor (Calsense 1000-S) | 602.08 | 37.35 |

## 32 84 23 00-0256 Weather Sensors *(32 84 23 00-0244)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0257 | EA | Wind Gage, Irrigation Weather Sensor (Calsense WG-1) | 1,643.21 | 99.60 |
| 32 84 23 00-0258 | EA | Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1) | 1,892.65 | 199.21 |
| 32 84 23 00-0259 | EA | ET Gage, Irrigation Weather Sensor (Calsense ETG) | 3,751.86 | 149.41 |

## 32 84 23 00-0260 Weather Sensor Accessories *(32 84 23 00-0244)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0261 | EA | Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C) | 1,104.12 | |
| 32 84 23 00-0262 | EA | Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB) | 2,083.53 | |
| 32 84 23 00-0263 | EA | Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE) | 1,104.12 | 49.81 |
| 32 84 23 00-0264 | EA | Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE) | 2,548.55 | 49.81 |

## 32 84 23 00-0265 Antennas For Irrigation Controllers *(32 84 23 00-0225)*

Note: Excludes antenna cable.

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0266 | EA | Local Radio Dome Antenna (Calsense LR-DOME) | 576.75 | 49.81 |
| 32 84 23 00-0267 | EA | Local Radio Stick Antenna (Calsense LR-STICK) | 840.43 | 49.81 |
| 32 84 23 00-0268 | EA | Local Radio Yagi Antenna (Calsense LR-YAGI) | 940.04 | 99.60 |
| 32 84 23 00-0269 | EA | Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR) | 576.75 | 49.81 |
| 32 84 23 00-0270 | EA | Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE) | 576.75 | 49.81 |
| 32 84 23 00-0271 | EA | GPRS Stubby Antenna (Calsense GR-STUBBY) | 576.75 | 49.81 |
| 32 84 23 00-0272 | EA | GPRS Stick Antenna (Calsense GR-STICK) | 840.43 | 49.81 |
| 32 84 23 00-0273 | EA | Spread Spectrum Dome Antenna (Calsense SR-DOME) | 576.75 | 49.81 |
| 32 84 23 00-0274 | EA | Spread Spectrum Stick Antenna (Calsense SR-STICK) | 840.43 | 49.81 |
| 32 84 23 00-0275 | EA | Spread Spectrum Yagi Antenna (Calsense SR-YAGI) | 940.04 | 99.60 |
| 32 84 23 00-0276 | EA | Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR) | 576.75 | 49.81 |
| 32 84 23 00-0277 | EA | Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE) | 576.75 | 49.81 |
| 32 84 23 00-0278 | EA | Spread Spectrum Stubby Antenna (Calsense SR-STUBBY) | 576.75 | 49.81 |
| 32 84 23 00-0279 | EA | WiFi Stubby Antenna (Calsense WEN-STUBBY) | 576.75 | 49.81 |
| 32 84 23 00-0280 | LF | Antenna Cable With End Connectors (Calsense LMR-400-DB) | 15.76 | 0.60 |
| 32 84 23 00-0281 | EA | Surge Protection Device For Antenna (Calsense ANT-PROT) | 577.18 | 24.90 |
| 32 84 23 00-0282 | EA | 5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5) | 940.89 | 49.81 |
| 32 84 23 00-0283 | EA | 3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM) | 816.17 | |
| 32 84 23 00-0284 | EA | Local Radio Frequency Filter (Calsense LR-FILTER) | 1,155.20 | |
| 32 84 23 00-0285 | EA | Spread Spectrum Frequency Filter (Calsense SR-FILTER) | 853.84 | |

## 32 84 23 00-0286 Pedestals And Enclosures For Irrigation Controllers *(32 84 23 00-0225)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0287 | EA | 15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER) | 526.11 | 74.71 |
| 32 84 23 00-0288 | EA | Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX) | 1,276.37 | 124.51 |
| 32 84 23 00-0289 | EA | Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)<br>Note: Includes GFI and receptacle. | 1,418.03 | 49.81 |
| 32 84 23 00-0290 | EA | Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1)<br>Note: Includes factory installed transient protection board and AC line protection. | 1,694.50 | 37.35 |
| 32 84 23 00-0291 | EA | Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE)<br>Note: Includes factory installed transient protection board and AC line protection. | 5,312.48 | 37.35 |
| 32 84 23 00-0292 | EA | Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R)<br>Note: Includes factory installed transient protection board, AC line protection and dome antenna. | 6,001.38 | 37.35 |
| 32 84 23 00-0293 | EA | Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)<br>Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers. | 8,707.24 | 74.71 |
| 32 84 23 00-0294 | EA | Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R)<br>Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers. | 9,126.74 | 74.71 |
| 32 84 23 00-0295 | EA | Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM) | 298.86 | |
| 32 84 23 00-0296 | EA | Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED) | 966.22 | |

## 32 84 23 00-0297 Central Computer For Irrigation Control Systems *(32 84 23 00-0225)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0298 | EA | Central Computer For Irrigation Control Systems (Calsense COMP-2)<br>Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software. | 6,697.47 | |
| 32 84 23 00-0299 | EA | Command Center Water Management Software For Central Computer (Calsense COMM-1) | 11,857.05 | |
| 32 84 23 00-0300 | EA | Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5)<br>Note: Package price for up to 5 users. Includes remote communication through internet connection. | 2,275.73 | |
| 32 84 23 00-0301 | EA | >5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10)<br>Note: Package price for 6 to 10 users. Includes remote communication through internet connection. | 4,481.73 | |
| 32 84 23 00-0302 | EA | Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2) | 7,216.35 | |
| 32 84 23 00-0303 | EA | GPRS Radio For Use At Central Computer (Calsense DTR-G) | 4,314.87 | |

### 32 84 23 00-0304 Data Access Service *(32 84 23 00-0225)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0305 | EA | 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN)<br>Note: For communication between GPRS unit and up to 2 controllers. | 36.53 | |
| 32 84 23 00-0306 | EA | 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR)<br>Note: For communication between GPRS unit and up to 2 controllers. | 399.52 | |
| 32 84 23 00-0307 | EA | 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR)<br>Note: For communication between GPRS unit and up to 2 controllers. | 1,712.25 | |
| 32 84 23 00-0308 | EA | 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M)<br>Note: For communication between GPRS unit and multiple controllers. | 148.40 | |
| 32 84 23 00-0309 | EA | 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M)<br>Note: For communication between GPRS unit and multiple controllers. | 1,598.10 | |
| 32 84 23 00-0310 | EA | 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M)<br>Note: For communication between GPRS unit and multiple controllers. | 6,849.00 | |

### 32 84 23 00-0311 Communication Options For Irrigation Controllers *(32 84 23 00-0225)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0312 | EA | FCC License Fee (Calsense) | 243.87 | |
| 32 84 23 00-0313 | EA | P.C.I.A. And/or A.P.C.O. Fee (Calsense)<br>Note: Per frequency or frequency pair. | 472.17 | |
| 32 84 23 00-0314 | EA | Hardware Communication Option For Irrigation Controllers (Calsense M)<br>Note: Allows multiple controllers to be chained together via a communications cable and share one phone line. | 1,324.14 | |
| 32 84 23 00-0315 | EA | Phone Line Communication Option For Irrigation Controllers (Calsense R) | 1,392.63 | |
| 32 84 23 00-0316 | EA | Ethernet Communication Option For Irrigation Controllers (Calsense EN) | 1,392.63 | |
| 32 84 23 00-0317 | EA | WiFi Communication Option For Irrigation Controllers (Calsense WEN) | 2,853.75 | |
| 32 84 23 00-0318 | EA | Local Radio Communication Option For Irrigation Controllers (Calsense LR) | 3,629.97 | |
| 32 84 23 00-0319 | EA | Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR) | 3,629.97 | |
| 32 84 23 00-0320 | EA | GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR) | 3,629.97 | |
| 32 84 23 00-0321 | EA | Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM) | 11,643.30 | |
| 32 84 23 00-0322 | EA | Communication Hub For Irrigation Controllers (Calsense HUB)<br>Note: Accepts up to two communication options. Excludes communication options. | 4,484.54 | |

### 32 84 23 00-0323 Retrofit Options For Irrigation Controllers *(32 84 23 00-0225)*

### 32 84 23 00-0324 Weather Retrofits For Irrigation Controllers *(32 84 23 00-0323)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0325 | EA | Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO) | 1,777.60 | |
| 32 84 23 00-0326 | EA | Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO) | 1,777.60 | |
| 32 84 23 00-0327 | EA | Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO) | 1,777.60 | |
| 32 84 23 00-0328 | EA | Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO) | 1,777.60 | |

### 32 84 23 00-0329 Phone Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0330 | EA | Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO) | 1,868.92 | |
| 32 84 23 00-0331 | EA | Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO) | 2,211.38 | |
| 32 84 23 00-0332 | EA | Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO) | 3,546.93 | |

### 32 84 23 00-0333 Local Radio Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0334 | EA | Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO) | 2,097.22 | |
| 32 84 23 00-0335 | EA | Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO) | 4,425.88 | |
| 32 84 23 00-0336 | EA | Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO) | 5,750.02 | |

### 32 84 23 00-0337 Spread Spectrum Radio Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0338 | EA | Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro) | 2,097.22 | |
| 32 84 23 00-0339 | EA | Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO) | 4,425.88 | |
| 32 84 23 00-0340 | EA | Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO) | 5,750.02 | |

### 32 84 23 00-0341 Ethernet Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0342 | EA | Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro) | 2,097.22 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0343 | EA | Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO) | 2,211.38 | |
| 32 84 23 00-0344 | EA | Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO) | 3,546.93 | |
| 32 84 23 00-0345 | | **GPRS Radio Modem Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0323)* | | |
| 32 84 23 00-0346 | EA | Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO) | 2,097.22 | |
| 32 84 23 00-0347 | EA | Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO) | 4,425.88 | |
| 32 84 23 00-0348 | EA | Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO) | 5,750.02 | |
| 32 84 23 00-0349 | | **Radio Remote Units For Irrigation Controllers** *(32 84 23 00-0225)* | | |
| 32 84 23 00-0350 | EA | Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN) | 2,108.64 | |
| 32 84 23 00-0351 | EA | Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe)<br>Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable. | 452.03 | |
| 32 84 23 00-0352 | EA | Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG) | 194.06 | |
| 32 84 23 00-0353 | EA | Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT) | 344.52 | |
| 32 84 23 00-0354 | EA | Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT)<br>Note: Excludes antenna cable. | 218.96 | 12.45 |
| 32 84 23 00-0355 | EA | Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP)<br>Note: Excludes antenna cable. | 424.42 | 12.45 |
| 32 84 23 00-0356 | EA | Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome)<br>Note: Excludes antenna cable. | 458.67 | 12.45 |
| 32 84 23 00-0357 | | **Hydro-Safe WeatherTrak Controllers** *(32 84 23 00-0120)* | | |
| 32 84 23 00-0358 | | **Front Entry Pedestal Irrigation Controllers** *(32 84 23 00-0357)*<br>Note: HydroPoint WeatherTrak ETPro2 Commercial controller assembly in StrongBox SB-18SS enclosure. | | |
| 32 84 23 00-0359 | EA | 12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC12S) | 9,003.27 | 124.51 |
| 32 84 23 00-0360 | EA | 18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC18S) | 9,583.66 | 124.51 |
| 32 84 23 00-0361 | EA | 24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC24S) | 10,188.94 | 136.96 |
| 32 84 23 00-0362 | EA | 30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC30S) | 10,890.25 | 136.96 |
| 32 84 23 00-0363 | EA | 36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC36S) | 11,470.64 | 136.96 |
| 32 84 23 00-0364 | EA | 42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC42S) | 12,051.76 | 149.41 |
| 32 84 23 00-0365 | EA | 48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC48S) | 12,632.15 | 149.41 |
| 32 84 23 00-0366 | | **Back-to-Back Dual Irrigation Controllers** *(32 84 23 00-0357)*<br>Note: HydroPoint WeatherTrak ETPro2 Dual back-to-back controller assembly in StrongBox SB-18DSS enclosure. | | |
| 32 84 23 00-0367 | EA | 12+18 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1218S) | 16,622.34 | 149.41 |
| 32 84 23 00-0368 | EA | 12+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1224S) | 17,178.55 | 149.41 |
| 32 84 23 00-0369 | EA | 12+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1236S) | 18,427.54 | 169.33 |
| 32 84 23 00-0370 | EA | 12+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1242S) | 19,080.48 | 169.33 |
| 32 84 23 00-0371 | EA | 18+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1824S) | 17,758.95 | 149.41 |
| 32 84 23 00-0372 | EA | 18+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1836S) | 19,080.48 | 169.33 |
| 32 84 23 00-0373 | EA | 18+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1842S) | 19,660.88 | 169.33 |
| 32 84 23 00-0374 | EA | 24+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2424S) | 18,379.18 | 169.33 |
| 32 84 23 00-0375 | EA | 24+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2436S) | 19,660.88 | 169.33 |
| 32 84 23 00-0376 | EA | 24+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2442S) | 20,256.94 | 189.26 |
| 32 84 23 00-0377 | EA | 36+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC3636S) | 20,982.43 | 189.26 |
| 32 84 23 00-0378 | EA | 36+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC3642S) | 21,538.63 | 189.26 |
| 32 84 23 00-0379 | EA | 42+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC4242S) | 22,158.87 | 209.17 |
| 32 84 23 00-0380 | | **Wall Mount/Retrofit Mount Irrigation Controllers** *(32 84 23 00-0357)*<br>Note: HydroPoint WeatherTrak ETPro2 wall mount / retrofit controller assembly. | | |
| 32 84 23 00-0381 | EA | 12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC12S) | 5,496.73 | 124.51 |
| 32 84 23 00-0382 | EA | 18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC18S) | 5,980.39 | 124.51 |
| 32 84 23 00-0383 | EA | 24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC24S) | 6,585.67 | 136.96 |
| 32 84 23 00-0384 | EA | 30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC30S) | 7,286.98 | 136.96 |
| 32 84 23 00-0385 | EA | 36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC36S) | 7,867.37 | 136.96 |
| 32 84 23 00-0386 | EA | 42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC42S) | 8,472.67 | 149.41 |
| 32 84 23 00-0387 | | **Top Mount Irrigation Controllers** *(32 84 23 00-0357)*<br>Note: HydroPoint WeatherTrak ETPro2 stainless steel top mount controller assembly. | | |
| 32 84 23 00-0388 | EA | 12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC12S) | 9,583.66 | 124.51 |
| 32 84 23 00-0389 | EA | 18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC18S) | 10,164.05 | 124.51 |
| 32 84 23 00-0390 | EA | 24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC24S) | 10,793.51 | 136.96 |
| 32 84 23 00-0391 | EA | 30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC30S) | 11,470.64 | 136.96 |
| 32 84 23 00-0392 | EA | 36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC36S) | 12,051.03 | 136.96 |
| 32 84 23 00-0393 | EA | 42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC42S) | 12,656.33 | 149.41 |
| 32 84 23 00-0394 | EA | 48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC48S) | 13,212.54 | 149.41 |
| 32 84 23 00-0395 | | **Wall Mount Irrigation Controllers** *(32 84 23 00-0357)*<br>Note: HydroPoint WeatherTrak ETPro2 stainless steel wall mount controller assembly. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0396 | EA | 12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC12S) | 7,092.81 | 124.51 |
| 32 84 23 00-0397 | EA | 18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC18S) | 7,673.20 | 124.51 |
| 32 84 23 00-0398 | EA | 24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC24S) | 8,278.48 | 136.96 |
| 32 84 23 00-0399 | EA | 30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC30S) | 8,979.79 | 136.96 |
| 32 84 23 00-0400 | EA | 36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC36S) | 9,560.18 | 136.96 |
| 32 84 23 00-0401 | EA | 42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC42S) | 10,165.48 | 149.41 |
| 32 84 23 00-0402 | EA | 48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC48S) | 10,721.69 | 149.41 |
| **32 84 23 00-0403** | | **Accessories** *(32 84 23 00-0357)* | | |
| 32 84 23 00-0404 | EA | WeatherTRAK Central Internet Management Upgrade (HydroPoint WTEXB-PRO2-CIM) | 2,634.97 | |
| 32 84 23 00-0405 | EA | Central Pancake Antenna (HydroPoint ANT-GRPS-PC) | 404.43 | |
| 32 84 23 00-0406 | EA | Central Antenna Amplifier Kit (HydroPoint ANT-AMP-C-Kit) | 3,312.10 | |
| 32 84 23 00-0407 | EA | Central Antenna Amplifier Kit With YAGI Antenna (HydroPoint ANT-AMP-C-Yagi-Kit) | 4,339.87 | |
| 32 84 23 00-0408 | EA | 6-Station Key - ET PRO2 Smart Water Manager Series (HydroPoint WTPRO2S-6STA-KEY) | 823.38 | |
| 32 84 23 00-0409 | EA | 24-Station Output Board - ET PRO2 Smart Water Manager Series (HydroPoint WTPRO2S-STA-EXT-BRD) | 1,208.18 | |
| **32 84 23 00-0410** | | **Satellite Irrigation Controllers (Rain Bird® ESP-SAT)** *(32 84 23 00-0120)*<br>Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad. | | |
| 32 84 23 00-0411 | EA | 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS) | 4,945.17 | 224.12 |
| 32 84 23 00-0412 | EA | 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS) | 5,215.13 | 236.57 |
| 32 84 23 00-0413 | EA | 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS) | 7,244.14 | 249.02 |
| **32 84 23 00-0414** | | **LEIT Controllers** *(32 84 23 00-0120)* | | |
| **32 84 23 00-0415** | | **LEIT X Series Irrigation Controller** *(32 84 23 00-0414)* | | |
| 32 84 23 00-0416 | EA | 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) | 4,649.78 | 39.85 |
| 32 84 23 00-0417 | EA | 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) | 5,101.80 | 39.85 |
| 32 84 23 00-0418 | EA | 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) | 5,839.61 | 39.85 |
| 32 84 23 00-0419 | EA | 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) | 6,577.42 | 39.85 |
| 32 84 23 00-0420 | EA | 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) | 7,099.17 | 39.85 |
| 32 84 23 00-0421 | EA | 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) | 7,620.92 | 39.85 |
| **32 84 23 00-0422** | | **LEIT X Series Irrigation Controller Assembly** *(32 84 23 00-0414)*<br>Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail. | | |
| 32 84 23 00-0423 | EA | 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole | 5,262.57 | 205.86 |
| 32 84 23 00-0424 | EA | 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole | 5,714.60 | 205.86 |
| 32 84 23 00-0425 | EA | 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole | 6,452.40 | 205.86 |
| 32 84 23 00-0426 | EA | 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole | 7,190.22 | 205.86 |
| 32 84 23 00-0427 | EA | 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole | 7,711.97 | 205.86 |
| 32 84 23 00-0428 | EA | 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole | 8,233.72 | 205.86 |
| **32 84 23 00-0429** | | **Enclosure For LEIT Controller Assembly** *(32 84 23 00-0414)*<br>Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail. | | |
| 32 84 23 00-0430 | EA | 12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch<br>Note: For LEIT Controller | 3,546.80 | 267.33 |
| **32 84 23 00-0431** | | **Hunter Controllers** *(32 84 23 00-0120)* | | |
| **32 84 23 00-0432** | | **Hunter XC Hybrid Controller** *(32 84 23 00-0431)*<br>Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure. | | |
| 32 84 23 00-0433 | EA | 6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS) | 771.66 | 99.60 |
| 32 84 23 00-0434 | EA | 12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS) | 981.80 | 124.51 |
| **32 84 23 00-0435** | | **DC Latching Solenoid** *(32 84 23 00-0120)* | | |
| 32 84 23 00-0436 | EA | DC Latching Solenoid (Micro Power Solenoid) For Non-LEIT Controllers<br>Note: As per manufacture of valve. | 43.51 | |
| 32 84 23 00-0437 | EA | DC Solenoid For LEIT Controllers (DIG S-305DC) | 67.84 | |
| **32 84 23 00-0438** | | **Irrigation Controller Enclosure Cabinet** *(32 84 23 00-0120)*<br>Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail. | | |
| 32 84 23 00-0439 | EA | 35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan) | 3,431.74 | 547.47 |
| 32 84 23 00-0440 | EA | 35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan) | 3,702.64 | 597.24 |
| 32 84 23 00-0441 | EA | 35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan) | 4,091.03 | 647.00 |
| 32 84 23 00-0442 | EA | 35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet, | 3,431.77 | 547.47 |
| 32 84 23 00-0443 | EA | 35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet | 3,702.64 | 597.24 |
| 32 84 23 00-0444 | EA | 35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet | 4,091.03 | 647.00 |
| 32 84 23 00-0445 | EA | 35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet | 4,258.77 | 547.47 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0446 | EA | 35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet | 4,633.01 | 597.24 |
| 32 84 23 00-0447 | EA | 35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet | 5,021.40 | 647.00 |
| 32 84 23 00-0448 | | **Irrigation Valves** *(32 84 23)* | | |
| 32 84 23 00-0449 | | **Reduced Pressure Zone Valves With QT Shut-Offs** *(32 84 23 00-0448)*<br>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series). | | |
| 32 84 23 00-0450 | EA | 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) | 909.85 | 44.48 |
| 32 84 23 00-0451 | EA | 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) | 1,078.98 | 54.32 |
| 32 84 23 00-0452 | EA | 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) | 1,637.61 | 63.21 |
| 32 84 23 00-0453 | EA | 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) | 1,729.44 | 72.57 |
| 32 84 23 00-0454 | EA | 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) | 2,072.44 | 93.64 |
| 32 84 23 00-0455 | | **Brass Quick-Coupling Irrigation Valves** *(32 84 23 00-0448)* | | |
| 32 84 23 00-0456 | EA | 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC) | 189.30 | 38.80 |
| | | *For Valve Key, Add* | *59.19* | |
| 32 84 23 00-0457 | EA | 3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC) | 196.15 | 38.80 |
| | | *For Locking Cover, Add* | *25.00* | |
| | | *For Valve Key, Add* | *59.19* | |
| 32 84 23 00-0458 | EA | 1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC) | 271.44 | 38.80 |
| | | *For Valve Key, Add* | *151.39* | |
| 32 84 23 00-0459 | EA | 1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC) | 298.82 | 38.80 |
| | | *For Valve Key, Add* | *151.39* | |
| 32 84 23 00-0460 | EA | 1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP) | 285.93 | 38.80 |
| 32 84 23 00-0461 | EA | 1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP) | 298.82 | 38.80 |
| 32 84 23 00-0462 | | **Anti-Siphon Pressure Type Vacuum Breaker** *(32 84 23 00-0448)*<br>Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit. | | |
| 32 84 23 00-0463 | EA | 3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT) | 311.62 | 32.77 |
| 32 84 23 00-0464 | EA | 1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT) | 448.86 | 37.45 |
| 32 84 23 00-0465 | EA | 1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT) | 820.14 | 43.31 |
| 32 84 23 00-0466 | EA | 1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT) | 999.45 | 47.99 |
| 32 84 23 00-0467 | EA | 2" Anti-Siphon Pressure Type Vacuum Breaker | 1,005.84 | 58.53 |
| 32 84 23 00-0468 | | **Aluminum Cam And Groove Adapter** *(32 84 23 00-0448)* | | |
| 32 84 23 00-0469 | EA | 1-1/2" Type A Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Female Pipe Thread | 42.47 | |
| 32 84 23 00-0470 | EA | 2" Type A Aluminum Cam And Groove Male Adapter x 2" NPT Female Pipe Thread | 44.86 | |
| 32 84 23 00-0471 | EA | 1-1/2" Type F Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Male Pipe Thread | 43.77 | |
| 32 84 23 00-0472 | EA | 2" Type F Aluminum Cam And Groove Male Adapter x 2" NPT Male Pipe Thread | 47.30 | |
| 32 84 23 00-0473 | | **Manual Sprinkler Control Valves** *(32 84 23 00-0448)* | | |
| 32 84 23 00-0474 | EA | 3/4" Manual Sprinkler Control Valves, With Union | 102.90 | 31.60 |
| 32 84 23 00-0475 | EA | 1" Manual Sprinkler Control Valves, With Union | 125.44 | 33.95 |
| 32 84 23 00-0476 | EA | 1-1/4" Manual Sprinkler Control Valves, With Union | 193.72 | 42.96 |
| 32 84 23 00-0477 | EA | 1-1/2" Manual Sprinkler Control Valves, With Union | 229.84 | 49.52 |
| 32 84 23 00-0478 | EA | 2" Manual Sprinkler Control Valves, With Union | 309.49 | 58.53 |
| 32 84 23 00-0479 | | **Irrigation Piping** *(32 84 23)* | | |
| 32 84 23 00-0480 | | **Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0479)*<br>Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall. | | |
| 32 84 23 00-0481 | | **Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0480)* | | |
| 32 84 23 00-0482 | LF | 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 3.31 | 1.08 |
| | | *For >1,000, Deduct* | *-0.17* | |
| 32 84 23 00-0483 | LF | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 4.04 | 1.35 |
| | | *For >1,000, Deduct* | *-0.20* | |
| 32 84 23 00-0484 | LF | 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 4.89 | 1.62 |
| | | *For >1,000, Deduct* | *-0.24* | |
| 32 84 23 00-0485 | LF | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 6.49 | 2.04 |
| | | *For >1,000, Deduct* | *-0.32* | |
| 32 84 23 00-0486 | LF | 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 8.15 | 2.57 |
| | | *For >1,000, Deduct* | *-0.41* | |
| 32 84 23 00-0487 | LF | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 10.48 | 2.99 |
| | | *For >1,000, Deduct* | *-0.52* | |
| 32 84 23 00-0488 | LF | 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 14.32 | 4.31 |
| | | *For >1,000, Deduct* | *-0.72* | |
| 32 84 23 00-0489 | LF | 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 18.77 | 5.39 |
| | | *For >1,000, Deduct* | *-0.94* | |
| 32 84 23 00-0490 | LF | 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 27.08 | 6.74 |
| | | *For >1,000, Deduct* | *-1.35* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 32 84 23 00-0491 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers *(32 84 23 00-0480)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0492 | LF | 3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers | 3.78 | 1.35 |
| | | *For >1,000, Deduct* | *-0.19* | |
| 32 84 23 00-0493 | LF | 1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers | 4.47 | 1.62 |
| | | *For >1,000, Deduct* | *-0.22* | |
| 32 84 23 00-0494 | LF | 1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers | 6.20 | 2.04 |
| | | *For >1,000, Deduct* | *-0.31* | |
| 32 84 23 00-0495 | LF | 2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers | 7.91 | 2.57 |
| | | *For >1,000, Deduct* | *-0.40* | |
| 32 84 23 00-0496 | LF | 2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers | 10.10 | 2.99 |
| | | *For >1,000, Deduct* | *-0.51* | |
| 32 84 23 00-0497 | LF | 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 14.17 | 4.31 |
| | | *For >1,000, Deduct* | *-0.71* | |
| 32 84 23 00-0498 | LF | 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 19.56 | 5.39 |
| | | *For >1,000, Deduct* | *-0.98* | |
| 32 84 23 00-0499 | LF | 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 32.05 | 6.74 |
| | | *For >1,000, Deduct* | *-1.60* | |

## 32 84 23 00-0500 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers *(32 84 23 00-0480)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0501 | LF | 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 4.00 | 1.35 |
| | | *For >1,000, Deduct* | *-0.20* | |
| 32 84 23 00-0502 | LF | 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 4.75 | 1.62 |
| | | *For >1,000, Deduct* | *-0.24* | |
| 32 84 23 00-0503 | LF | 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 6.75 | 2.04 |
| | | *For >1,000, Deduct* | *-0.34* | |
| 32 84 23 00-0504 | LF | 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 8.82 | 2.57 |
| | | *For >1,000, Deduct* | *-0.44* | |
| 32 84 23 00-0505 | LF | 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 11.56 | 2.99 |
| | | *For >1,000, Deduct* | *-0.58* | |
| 32 84 23 00-0506 | LF | 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 14.32 | 4.31 |
| | | *For >1,000, Deduct* | *-0.72* | |
| 32 84 23 00-0507 | LF | 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 18.77 | 5.39 |
| | | *For >1,000, Deduct* | *-0.94* | |
| 32 84 23 00-0508 | LF | 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers | 27.56 | 6.74 |
| | | *For >1,000, Deduct* | *-1.38* | |

## 32 84 23 00-0509 Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted

*(32 84 23 00-0479)*

Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.

## 32 84 23 00-0510 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0511 | LF | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 6.14 | 1.35 |
| | | *For >1,000, Deduct* | *-0.31* | |
| 32 84 23 00-0512 | LF | 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 7.00 | 1.62 |
| | | *For >1,000, Deduct* | *-0.35* | |
| 32 84 23 00-0513 | LF | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 8.60 | 2.04 |
| | | *For >1,000, Deduct* | *-0.43* | |
| 32 84 23 00-0514 | LF | 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 10.26 | 2.57 |
| | | *For >1,000, Deduct* | *-0.51* | |
| 32 84 23 00-0515 | LF | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 12.59 | 2.99 |
| | | *For >1,000, Deduct* | *-0.63* | |
| 32 84 23 00-0516 | LF | 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 16.42 | 4.31 |
| | | *For >1,000, Deduct* | *-0.82* | |
| 32 84 23 00-0517 | LF | 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 20.88 | 5.39 |
| | | *For >1,000, Deduct* | *-1.04* | |
| 32 84 23 00-0518 | LF | 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 29.18 | 6.74 |
| | | *For >1,000, Deduct* | *-1.46* | |

## 32 84 23 00-0519 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0520 | LF | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 6.39 | 1.35 |
| | | *For >1,000, Deduct* | *-0.32* | |
| 32 84 23 00-0521 | LF | 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 7.26 | 1.62 |
| | | *For >1,000, Deduct* | *-0.36* | |
| 32 84 23 00-0522 | LF | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 8.85 | 2.04 |
| | | *For >1,000, Deduct* | *-0.44* | |
| 32 84 23 00-0523 | LF | 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 10.51 | 2.57 |
| | | *For >1,000, Deduct* | *-0.53* | |
| 32 84 23 00-0524 | LF | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 12.85 | 2.99 |
| | | *For >1,000, Deduct* | *-0.64* | |
| 32 84 23 00-0525 | LF | 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 16.69 | 4.31 |
| | | *For >1,000, Deduct* | *-0.83* | |
| 32 84 23 00-0526 | LF | 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 21.14 | 5.39 |
| | | *For >1,000, Deduct* | *-1.06* | |
| 32 84 23 00-0527 | LF | 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 29.43 | 6.74 |
| | | *For >1,000, Deduct* | *-1.47* | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 32 84 23 00-0528 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0529 | LF | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 6.65 | 1.35 |
| | | *For >1,000, Deduct* | *-0.33* | |
| 32 84 23 00-0530 | LF | 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 7.52 | 1.62 |
| | | *For >1,000, Deduct* | *-0.38* | |
| 32 84 23 00-0531 | LF | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 9.12 | 2.04 |
| | | *For >1,000, Deduct* | *-0.46* | |
| 32 84 23 00-0532 | LF | 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 10.77 | 2.57 |
| | | *For >1,000, Deduct* | *-0.54* | |
| 32 84 23 00-0533 | LF | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 13.10 | 2.99 |
| | | *For >1,000, Deduct* | *-0.66* | |
| 32 84 23 00-0534 | LF | 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 16.94 | 4.31 |
| | | *For >1,000, Deduct* | *-0.85* | |
| 32 84 23 00-0535 | LF | 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 21.39 | 5.39 |
| | | *For >1,000, Deduct* | *-1.07* | |
| 32 84 23 00-0536 | LF | 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 29.69 | 6.74 |
| | | *For >1,000, Deduct* | *-1.48* | |

### 32 84 23 00-0537 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0538 | LF | 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 6.01 | 1.35 |
| | | *For >1,000, Deduct* | *-0.30* | |
| 32 84 23 00-0539 | LF | 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 6.78 | 1.62 |
| | | *For >1,000, Deduct* | *-0.34* | |
| 32 84 23 00-0540 | LF | 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 8.62 | 2.04 |
| | | *For >1,000, Deduct* | *-0.43* | |
| 32 84 23 00-0541 | LF | 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 10.70 | 2.57 |
| | | *For >1,000, Deduct* | *-0.54* | |
| 32 84 23 00-0542 | LF | 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 13.31 | 2.99 |
| | | *For >1,000, Deduct* | *-0.67* | |
| 32 84 23 00-0543 | LF | 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 16.28 | 4.31 |
| | | *For >1,000, Deduct* | *-0.81* | |
| 32 84 23 00-0544 | LF | 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 21.67 | 5.39 |
| | | *For >1,000, Deduct* | *-1.08* | |
| 32 84 23 00-0545 | LF | 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 34.16 | 6.74 |
| | | *For >1,000, Deduct* | *-1.71* | |

### 32 84 23 00-0546 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0547 | LF | 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 6.26 | 1.35 |
| | | *For >1,000, Deduct* | *-0.31* | |
| 32 84 23 00-0548 | LF | 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 7.04 | 1.62 |
| | | *For >1,000, Deduct* | *-0.35* | |
| 32 84 23 00-0549 | LF | 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 8.87 | 2.04 |
| | | *For >1,000, Deduct* | *-0.44* | |
| 32 84 23 00-0550 | LF | 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 10.95 | 2.57 |
| | | *For >1,000, Deduct* | *-0.55* | |
| 32 84 23 00-0551 | LF | 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 13.57 | 2.99 |
| | | *For >1,000, Deduct* | *-0.68* | |
| 32 84 23 00-0552 | LF | 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 16.55 | 4.31 |
| | | *For >1,000, Deduct* | *-0.83* | |
| 32 84 23 00-0553 | LF | 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 21.93 | 5.39 |
| | | *For >1,000, Deduct* | *-1.10* | |
| 32 84 23 00-0554 | LF | 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 34.41 | 6.74 |
| | | *For >1,000, Deduct* | *-1.72* | |

### 32 84 23 00-0555 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0556 | LF | 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 6.52 | 1.35 |
| | | *For >1,000, Deduct* | *-0.33* | |
| 32 84 23 00-0557 | LF | 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 7.30 | 1.62 |
| | | *For >1,000, Deduct* | *-0.37* | |
| 32 84 23 00-0558 | LF | 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 124" Of Cover, Backfilled And Compacted | 9.14 | 2.04 |
| | | *For >1,000, Deduct* | *-0.46* | |
| 32 84 23 00-0559 | LF | 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 11.21 | 2.57 |
| | | *For >1,000, Deduct* | *-0.56* | |
| 32 84 23 00-0560 | LF | 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 13.82 | 2.99 |
| | | *For >1,000, Deduct* | *-0.69* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0561 | LF | 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 16.80 | 4.31 |
| | | *For >1,000, Deduct* | *-0.84* | |
| 32 84 23 00-0562 | LF | 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 22.18 | 5.39 |
| | | *For >1,000, Deduct* | *-1.11* | |
| 32 84 23 00-0563 | LF | 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 34.67 | 6.74 |
| | | *For >1,000, Deduct* | *-1.73* | |

## 32 84 23 00-0564 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0565 | LF | 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 6.10 | 1.35 |
| | | *For >1,000, Deduct* | *-0.31* | |
| 32 84 23 00-0566 | LF | 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 6.86 | 1.62 |
| | | *For >1,000, Deduct* | *-0.34* | |
| 32 84 23 00-0567 | LF | 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 8.85 | 2.04 |
| | | *For >1,000, Deduct* | *-0.44* | |
| 32 84 23 00-0568 | LF | 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 10.93 | 2.57 |
| | | *For >1,000, Deduct* | *-0.55* | |
| 32 84 23 00-0569 | LF | 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 13.68 | 2.99 |
| | | *For >1,000, Deduct* | *-0.68* | |
| 32 84 23 00-0570 | LF | 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 16.42 | 4.31 |
| | | *For >1,000, Deduct* | *-0.82* | |
| 32 84 23 00-0571 | LF | 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 20.88 | 5.39 |
| | | *For >1,000, Deduct* | *-1.04* | |
| 32 84 23 00-0572 | LF | 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted | 29.67 | 6.74 |
| | | *For >1,000, Deduct* | *-1.48* | |

## 32 84 23 00-0573 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0574 | LF | 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 6.35 | 1.35 |
| | | *For >1,000, Deduct* | *-0.32* | |
| 32 84 23 00-0575 | LF | 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 7.12 | 1.62 |
| | | *For >1,000, Deduct* | *-0.36* | |
| 32 84 23 00-0576 | LF | 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 9.10 | 2.04 |
| | | *For >1,000, Deduct* | *-0.46* | |
| 32 84 23 00-0577 | LF | 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 11.18 | 2.57 |
| | | *For >1,000, Deduct* | *-0.56* | |
| 32 84 23 00-0578 | LF | 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 13.94 | 2.99 |
| | | *For >1,000, Deduct* | *-0.70* | |
| 32 84 23 00-0579 | LF | 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 16.69 | 4.31 |
| | | *For >1,000, Deduct* | *-0.83* | |
| 32 84 23 00-0580 | LF | 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 21.14 | 5.39 |
| | | *For >1,000, Deduct* | *-1.06* | |
| 32 84 23 00-0581 | LF | 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted | 29.92 | 6.74 |
| | | *For >1,000, Deduct* | *-1.50* | |

## 32 84 23 00-0582 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0583 | LF | 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 6.61 | 1.35 |
| | | *For >1,000, Deduct* | *-0.33* | |
| 32 84 23 00-0584 | LF | 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 7.38 | 1.62 |
| | | *For >1,000, Deduct* | *-0.37* | |
| 32 84 23 00-0585 | LF | 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 9.37 | 2.04 |
| | | *For >1,000, Deduct* | *-0.47* | |
| 32 84 23 00-0586 | LF | 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 11.44 | 2.57 |
| | | *For >1,000, Deduct* | *-0.57* | |
| 32 84 23 00-0587 | LF | 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 14.19 | 2.99 |
| | | *For >1,000, Deduct* | *-0.71* | |
| 32 84 23 00-0588 | LF | 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 16.94 | 4.31 |
| | | *For >1,000, Deduct* | *-0.85* | |
| 32 84 23 00-0589 | LF | 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 21.39 | 5.39 |
| | | *For >1,000, Deduct* | *-1.07* | |
| 32 84 23 00-0590 | LF | 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted | 30.18 | 6.74 |
| | | *For >1,000, Deduct* | *-1.51* | |

## 32 84 23 00-0591 Irrigation Riser Piping With Fittings *(32 84 23 00-0479)*

| | | | | |
|---|---|---|---|---|
| 32 84 23 00-0592 | EA | 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV<br>Note: Includes #4 steel reinforcing bar, stainless steel hose clamp | 20.37 | 3.23 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0593 | EA | 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV<br>Note: Includes #4 steel reinforcing bar, stainless steel hose clamp | 21.83 | 4.04 |
| 32 84 23 00-0594 | EA | 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV<br>Note: Includes #4 steel reinforcing bar, stainless steel hose clamp | 21.69 | 3.78 |
| 32 84 23 00-0595 | EA | 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV<br>Note: Includes #4 steel reinforcing bar, stainless steel hose clamp | 23.50 | 4.71 |
| 32 84 23 00-0596 | EA | 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I<br>Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties | 43.55 | 5.66 |
| 32 84 23 00-0597 | EA | 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I<br>Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties | 46.10 | 7.07 |
| 32 84 23 00-0598 | EA | 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I<br>Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties | 51.08 | 7.27 |
| 32 84 23 00-0599 | EA | 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I<br>Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties | 54.36 | 9.10 |
| 32 84 23 00-0600 | EA | 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I<br>Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties | 58.61 | 8.89 |
| 32 84 23 00-0601 | EA | 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I<br>Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties | 62.63 | 11.12 |

## 32 84 23 00-0602 Irrigation Crossover Piping With Fittings *(32 84 23 00-0479)*

Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0646 for irrigation wiring.

## 32 84 23 00-0603 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench *(32 84 23 00-0602)*

| | | | |
|---|---|---|---|
| 32 84 23 00-0604 | LF | 6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation | 39.07 |
| | | *For >1,000, Deduct* | *-1.95* |
| 32 84 23 00-0605 | LF | 8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation | 54.94 |
| | | *For >1,000, Deduct* | *-2.75* |
| 32 84 23 00-0606 | LF | 10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation | 75.47 |
| | | *For >1,000, Deduct* | *-3.77* |
| 32 84 23 00-0607 | LF | 12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation | 99.46 |
| | | *For >1,000, Deduct* | *-4.97* |

## 32 84 23 00-0608 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench *(32 84 23 00-0602)*

| | | | |
|---|---|---|---|
| 32 84 23 00-0609 | LF | 6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation | 39.84 |
| | | *For >1,000, Deduct* | *-1.99* |
| 32 84 23 00-0610 | LF | 8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation | 55.80 |
| | | *For >1,000, Deduct* | *-2.79* |
| 32 84 23 00-0611 | LF | 10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation | 76.42 |
| | | *For >1,000, Deduct* | *-3.82* |
| 32 84 23 00-0612 | LF | 12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation | 100.49 |
| | | *For >1,000, Deduct* | *-5.02* |

## 32 84 23 00-0613 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench *(32 84 23 00-0602)*

| | | | |
|---|---|---|---|
| 32 84 23 00-0614 | LF | 6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation | 40.62 |
| | | *For >1,000, Deduct* | *-2.03* |
| 32 84 23 00-0615 | LF | 8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation | 56.66 |
| | | *For >1,000, Deduct* | *-2.83* |
| 32 84 23 00-0616 | LF | 10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation | 77.37 |
| | | *For >1,000, Deduct* | *-3.87* |
| 32 84 23 00-0617 | LF | 12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation | 101.52 |
| | | *For >1,000, Deduct* | *-5.08* |

## 32 84 23 00-0618 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore *(32 84 23 00-0602)*

| | | | |
|---|---|---|---|
| 32 84 23 00-0619 | LF | 6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation | 100.35 |
| | | *For >1,000, Deduct* | *-5.02* |
| 32 84 23 00-0620 | LF | 8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation | 128.61 |
| | | *For >1,000, Deduct* | *-6.43* |
| 32 84 23 00-0621 | LF | 10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation | 155.24 |
| | | *For >1,000, Deduct* | *-7.76* |
| 32 84 23 00-0622 | LF | 12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation | 185.34 |
| | | *For >1,000, Deduct* | *-9.27* |

## 32 84 23 00-0623 Below Ground Cam Adapter Assembly *(32 84 23 00-0479)*

Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe

| | | | |
|---|---|---|---|
| 32 84 23 00-0624 | EA | Below Ground Cam Adapter Assembly<br>Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe. | 735.13 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **32 84 23 00-0625** | | **Above Ground Cam Adapter Assembly** *(32 84 23 00-0479)*<br>Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe | | |
| 32 84 23 00-0626 | EA | Above Ground Cam Adapter Assembly<br>Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe. | 452.53 | |
| **32 84 23 00-0627** | | **Thrust Block** *(32 84 23 00-0479)* | | |
| 32 84 23 00-0628 | EA | Thrust Block For 1-1/2" Pipe Size And Smaller | 39.23 | |
| 32 84 23 00-0629 | EA | Thrust Block For 2" Pipe | 67.45 | |
| 32 84 23 00-0630 | EA | Thrust Block For 3" And 4" Pipe | 95.66 | |
| 32 84 23 00-0631 | EA | Thrust Block For 6" Pipe | 152.85 | |
| 32 84 23 00-0632 | EA | Thrust Block For 8" Pipe | 217.74 | |
| **32 84 23 00-0633** | | **Irrigation Swing Joints** *(32 84 23)* | | |
| 32 84 23 00-0634 | EA | 3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075) | 72.43 | 21.46 |
| 32 84 23 00-0635 | EA | 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12) | 82.63 | 23.95 |
| 32 84 23 00-0636 | EA | 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS) | 114.85 | 23.95 |
| 32 84 23 00-0637 | EA | 1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I<br>Note: Consists of three threaded 90-degree elbows and 12" threaded pipe. | 45.49 | 27.96 |
| 32 84 23 00-0638 | EA | 3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I<br>Note: Consists of three threaded 90-degree elbows and 12" threaded pipe. | 60.80 | 37.30 |
| 32 84 23 00-0639 | EA | 1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I<br>Note: Consists of three threaded 90-degree elbows and 12" threaded pipe. | 76.76 | 45.73 |
| 32 84 23 00-0640 | EA | 1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II<br>Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe. | 64.51 | 28.40 |
| 32 84 23 00-0641 | EA | 3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II<br>Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe. | 85.33 | 37.67 |
| 32 84 23 00-0642 | EA | 1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II<br>Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe. | 105.14 | 46.19 |
| 32 84 23 00-0643 | EA | 1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III<br>Note: Consists of two street 90-degree elbows. | 36.51 | 17.39 |
| 32 84 23 00-0644 | EA | 3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III<br>Note: Consists of two street 90-degree elbows. | 48.82 | 23.19 |
| 32 84 23 00-0645 | EA | 1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III<br>Note: Consists of two street 90-degree elbows. | 58.20 | 28.75 |
| **32 84 23 00-0646** | | **Irrigation Control Wire** *(32 84 23)*<br>Note: Excludes excavation and backfill. | | |
| **32 84 23 00-0647** | | **18 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)* | | |
| 32 84 23 00-0648 | CLF | 1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 53.46 | 16.17 |
| 32 84 23 00-0649 | CLF | 2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 70.58 | 18.87 |
| 32 84 23 00-0650 | CLF | 3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 81.25 | 21.56 |
| 32 84 23 00-0651 | CLF | 4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 93.10 | 24.26 |
| 32 84 23 00-0652 | CLF | 5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 106.11 | 26.95 |
| 32 84 23 00-0653 | CLF | 6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 127.36 | 29.64 |
| 32 84 23 00-0654 | CLF | 7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 147.70 | 32.33 |
| 32 84 23 00-0655 | CLF | 8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 160.51 | 35.03 |
| 32 84 23 00-0656 | CLF | 9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 176.39 | 37.72 |
| 32 84 23 00-0657 | CLF | 10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 194.72 | 40.42 |
| 32 84 23 00-0658 | CLF | 11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 201.25 | 43.11 |
| 32 84 23 00-0659 | CLF | 12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 208.98 | 45.81 |
| 32 84 23 00-0660 | CLF | 13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench | 220.45 | 48.50 |
| **32 84 23 00-0661** | | **16 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)* | | |
| 32 84 23 00-0662 | CLF | 1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench | 56.58 | 16.17 |
| **32 84 23 00-0663** | | **14 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)* | | |
| 32 84 23 00-0664 | CLF | 1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench | 56.59 | 16.17 |
| **32 84 23 00-0665** | | **12 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)* | | |
| 32 84 23 00-0666 | CLF | 1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench | 77.22 | 16.17 |
| **32 84 23 00-0667** | | **10 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)* | | |
| 32 84 23 00-0668 | CLF | 1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench | 103.37 | 16.17 |
| **32 84 23 00-0669** | | **Root Watering Systems** *(32 84 23)*<br>Note: Includes swing assembly. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 84 23 00-0670 | EA | 0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401) | 119.95 | 21.56 |
| | | *For Root Watering Sand Sock, Add* | *5.63* | |
| 32 84 23 00-0671 | EA | 0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401) | 130.61 | 21.56 |
| | | *For Root Watering Sand Sock, Add* | *5.63* | |
| 32 84 23 00-0672 | EA | 0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402) | 119.95 | 21.56 |
| | | *For Root Watering Sand Sock, Add* | *5.63* | |
| 32 84 23 00-0673 | EA | 0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402) | 130.61 | 21.56 |
| | | *For Root Watering Sand Sock, Add* | *5.63* | |
| 32 84 23 00-0674 | EA | 1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404) | 130.61 | 21.56 |
| | | *For Root Watering Sand Sock, Add* | *5.63* | |
| 32 84 23 00-0675 | EA | 0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401) | 103.99 | 18.87 |
| | | *For Root Watering Sand Sock, Add* | *5.10* | |
| 32 84 23 00-0676 | EA | 0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401) | 114.22 | 18.87 |
| | | *For Root Watering Sand Sock, Add* | *5.10* | |
| 32 84 23 00-0677 | EA | 0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402) | 103.99 | 18.87 |
| | | *For Root Watering Sand Sock, Add* | *5.10* | |
| 32 84 23 00-0678 | EA | 0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402) | 114.22 | 18.87 |
| | | *For Root Watering Sand Sock, Add* | *5.10* | |
| 32 84 23 00-0679 | EA | 0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401) | 67.58 | 16.17 |
| | | *For Root Watering Sand Sock, Add* | *4.56* | |
| 32 84 23 00-0680 | EA | 0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401) | 77.33 | 16.17 |
| | | *For Root Watering Sand Sock, Add* | *4.56* | |

# 32 90 Planting *(32)*

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varities. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

## 32 91 Planting Preparation *(32 90)*

### 32 91 13 Soil Preparation *(32 91)*

#### 32 91 13 16 Mulching *(32 91 13)*

32 91 13 16-0001 Mulch *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

| | | | |
|---|---|---|---|
| 32 91 13 16-0002 | CY | Pine Bark Nugget Mulch | 111.98 |
| | | *For >5 To 20, Deduct* | *-9.50* |
| | | *For >20 To 50, Deduct* | *-14.24* |
| | | *For >50, Deduct* | *-19.84* |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* |
| 32 91 13 16-0003 | CY | Hardwood Bark Nugget Mulch | 110.62 |
| | | *For >5 To 20, Deduct* | *-9.43* |
| | | *For >20 To 50, Deduct* | *-14.14* |
| | | *For >50, Deduct* | *-19.67* |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* |
| 32 91 13 16-0004 | CY | Pine Wood Chip Mulch | 107.89 |
| | | *For >5 To 20, Deduct* | *-9.29* |
| | | *For >20 To 50, Deduct* | *-13.94* |
| | | *For >50, Deduct* | *-19.33* |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* |
| 32 91 13 16-0005 | CY | Hardwood Chip Mulch | 113.34 |
| | | *For >5 To 20, Deduct* | *-9.56* |
| | | *For >20 To 50, Deduct* | *-14.35* |
| | | *For >50, Deduct* | *-20.01* |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* |
| 32 91 13 16-0006 | CY | Shredded Hardwood Mulch | 113.34 |
| | | *For >5 To 20, Deduct* | *-9.56* |
| | | *For >20 To 50, Deduct* | *-14.35* |
| | | *For >50, Deduct* | *-20.01* |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* |
| 32 91 13 16-0007 | CY | Shredded Pine Mulch | 101.09 |
| | | *For >5 To 20, Deduct* | *-8.95* |
| | | *For >20 To 50, Deduct* | *-13.43* |
| | | *For >50, Deduct* | *-18.48* |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* |
| 32 91 13 16-0008 | CY | Shredded Cedar Mulch | 127.63 |
| | | *For >5 To 20, Deduct* | *-10.28* |
| | | *For >20 To 50, Deduct* | *-15.42* |
| | | *For >50, Deduct* | *-21.80* |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* |
| 32 91 13 16-0009 | CY | Shredded Cypress Mulch | 125.59 |
| | | *For >5 To 20, Deduct* | *-10.18* |
| | | *For >20 To 50, Deduct* | *-15.27* |
| | | *For >50, Deduct* | *-21.55* |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 91 13 16-0010 | CY | Shredded Redwood Mulch | 131.03 | |
| | | *For >5 To 20, Deduct* | *-10.45* | |
| | | *For >20 To 50, Deduct* | *-15.67* | |
| | | *For >50, Deduct* | *-22.23* | |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* | |
| 32 91 13 16-0011 | CY | Pea Gravel Mulch | 127.38 | |
| | | *For >5 To 20, Deduct* | *-10.27* | |
| | | *For >20 To 50, Deduct* | *-15.40* | |
| | | *For >50, Deduct* | *-21.77* | |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* | |
| 32 91 13 16-0012 | CY | Chunk Recycled Tire Mulch | 195.07 | |
| | | *For >5 To 20, Deduct* | *-14.74* | |
| | | *For >20 To 50, Deduct* | *-22.11* | |
| | | *For >50, Deduct* | *-31.87* | |
| | | *For Work On Slopes >2.5:1, Add* | *19.96* | |
| 32 91 13 16-0013 | CY | Chunk Colored Recycled Tire Mulch | 288.98 | |
| | | *For >5 To 20, Deduct* | *-19.44* | |
| | | *For >20 To 50, Deduct* | *-29.16* | |
| | | *For >50, Deduct* | *-43.61* | |
| | | *For Work On Slopes >2.5:1, Add* | *19.96* | |
| 32 91 13 16-0014 | CY | Shredded Recycled Tire Mulch | 290.34 | |
| | | *For >5 To 20, Deduct* | *-19.51* | |
| | | *For >20 To 50, Deduct* | *-29.26* | |
| | | *For >50, Deduct* | *-43.78* | |
| | | *For Work On Slopes >2.5:1, Add* | *19.96* | |
| 32 91 13 16-0015 | CY | Shredded Colored Recycled Tire Mulch | 478.18 | |
| | | *For >5 To 20, Deduct* | *-28.90* | |
| | | *For >20 To 50, Deduct* | *-43.35* | |
| | | *For >50, Deduct* | *-67.26* | |
| | | *For Work On Slopes >2.5:1, Add* | *19.96* | |
| 32 91 13 16-0016 | EA | Pine Straw Mulch Bale<br>Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen. | 9.15 | |
| | | *For >100 To 250, Deduct* | *-0.68* | |
| | | *For >250 To 500, Deduct* | *-0.90* | |
| | | *For >500, Deduct* | *-1.14* | |
| | | *For Work On Slopes >2.5:1, Add* | *0.88* | |
| 32 91 13 16-0017 | EA | Wheat Straw Mulch Bale<br>Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen. | 8.89 | |
| | | *For >100 To 250, Deduct* | *-0.61* | |
| | | *For >250 To 500, Deduct* | *-0.77* | |
| | | *For >500, Deduct* | *-1.05* | |
| | | *For Work On Slopes >2.5:1, Add* | *0.66* | |
| 32 91 13 16-0018 | CY | Stone/Gravel Mulch, Marble Chips | 314.82 | |
| | | *For >5 To 20, Deduct* | *-19.64* | |
| | | *For >20 To 50, Deduct* | *-29.46* | |
| | | *For >50, Deduct* | *-45.20* | |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* | |
| 32 91 13 16-0019 | CY | Stone Mulch, Decomposed Granite Chips | 139.94 | |
| | | *For >5 To 20, Deduct* | *-10.89* | |
| | | *For >20 To 50, Deduct* | *-16.34* | |
| | | *For >50, Deduct* | *-23.34* | |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* | |

### 32 91 13 16-0020 Compost Soil Amendment (AgriService) *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

| | | | | |
|---|---|---|---|---|
| 32 91 13 16-0021 | CY | Humic Compost (OIM)<br>Note: (Agri Service or Equal) | 98.99 | |
| | | *For Work On Slopes >2.5:1, Add* | *15.59* | |
| | | *For >100 To 1,000, Deduct* | *-16.64* | |
| | | *For >1,000, Deduct* | *-25.49* | |

## 32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

### 32 91 13 26-0001 Plant Bed Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

| | | | | |
|---|---|---|---|---|
| 32 91 13 26-0002 | SF | Up To 8" Deep, Prepare And Mix Plant Bed, By Machine<br>Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. | 1.23 | |
| | | *For Work On Slopes >2.5:1, Add* | *0.25* | |
| 32 91 13 26-0003 | SF | >8" To 13" Deep, Prepare And Mix Plant Bed, By Machine<br>Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. | 1.42 | |
| | | *For Work On Slopes >2.5:1, Add* | *0.28* | |
| 32 91 13 26-0004 | SF | >13" To 18" Deep, Prepare And Mix Plant Bed, By Machine<br>Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. | 1.67 | |
| | | *For Work On Slopes >2.5:1, Add* | *0.33* | |
| 32 91 13 26-0005 | SF | Up To 8" Deep, Prepare And Mix Plant Bed By Hand<br>Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. | 5.76 | |
| | | *For Work On Slopes >2.5:1, Add* | *1.15* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 91 13 26-0006 | SF | >8" To 13" Deep, Prepare And Mix Plant Bed By Hand<br>Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. | 6.62 | |
| | | *For Work On Slopes >2.5:1, Add* | *1.32* | |
| 32 91 13 26-0007 | SF | >13" To 18" Deep, Prepare And Mix Plant Bed By Hand<br>Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. | 7.78 | |
| | | *For Work On Slopes >2.5:1, Add* | *1.56* | |

### 32 91 13 26-0008 Plant Bed Preparation With Humic Compost *(32 91 13 26)*

| | | | | |
|---|---|---|---|---|
| 32 91 13 26-0009 | SF | Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF)<br>Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface. | 1.39 | |
| | | *For Work On Slopes >2.5:1, Add* | *0.27* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.20* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.33* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.67* | |
| | | *For >20,000, Deduct* | *-0.94* | |
| 32 91 13 26-0010 | SF | Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF)<br>Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface. | 1.73 | |
| | | *For Work On Slopes >2.5:1, Add* | *0.32* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.24* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.40* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.81* | |
| | | *For >20,000, Deduct* | *-1.13* | |
| 32 91 13 26-0011 | SF | Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF)<br>Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface. | 2.05 | |
| | | *For Work On Slopes >2.5:1, Add* | *0.37* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.28* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.47* | |
| | | *For >10,000 To 20,000, Deduct* | *-0.94* | |
| | | *For >20,000, Deduct* | *-1.32* | |

### 32 91 13 26-0012 Planting Pit Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

| | | | | |
|---|---|---|---|---|
| 32 91 13 26-0013 | CY | Excavate Planting Pit By Hand, Sandy Soil<br>Note: For use with existing planting pits. | 99.60 | |
| | | *For Work On Slopes >2.5:1, Add* | *19.92* | |
| 32 91 13 26-0014 | CY | Excavate Planting Pit By Hand, Heavy Soil<br>Note: For use with existing planting pits. | 199.21 | |
| | | *For Work On Slopes >2.5:1, Add* | *39.84* | |
| 32 91 13 26-0015 | CY | Excavate Planting Pit By Machine, Sandy Soil<br>Note: For use with existing planting pits. | 14.99 | |
| | | *For Work On Slopes >2.5:1, Add* | *3.00* | |
| 32 91 13 26-0016 | CY | Excavate Planting Pit By Machine, Heavy Soil<br>Note: For use with existing planting pits. | 19.51 | |
| | | *For Work On Slopes >2.5:1, Add* | *3.90* | |
| 32 91 13 26-0017 | CY | Backfill Planting Pit By Hand With Topsoil From Stockpile | 88.51 | |
| | | *For Work On Slopes >2.5:1, Add* | *17.70* | |
| 32 91 13 26-0018 | CY | Backfill Planting Pit By Hand With Contractor Furnished Planting Mix | 113.55 | |
| | | *For Work On Slopes >2.5:1, Add* | *15.78* | |
| 32 91 13 26-0019 | CY | Backfill Planting Pit By Machine, With Topsoil From Stockpile | 8.35 | |
| | | *For Work On Slopes >2.5:1, Add* | *1.67* | |
| 32 91 13 26-0020 | CY | Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix | 54.05 | |
| | | *For Work On Slopes >2.5:1, Add* | *3.88* | |

### 32 91 13 26-0021 Weed Barrier *(32 91 13 26)*

| | | | | |
|---|---|---|---|---|
| 32 91 13 26-0022 | SY | Up To 3 Oz/SY Non-Woven, Polypropylene Weed Barrier | 2.51 | |
| | | *For Work On Slopes >2.5:1, Add* | *0.16* | |
| 32 91 13 26-0023 | SY | 4 Oz/SY Woven, Polypropylene Weed Barrier | 3.39 | |
| | | *For Work On Slopes >2.5:1, Add* | *0.16* | |
| 32 91 13 26-0024 | SY | 5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier | 3.78 | |
| | | *For Work On Slopes >2.5:1, Add* | *0.16* | |

## 32 91 13 33 Soil Conditioners *(32 91 13)*

### 32 91 13 33-0001 Spread Soil Conditioners *(32 91 13 33)*

| | | | | |
|---|---|---|---|---|
| 32 91 13 33-0002 | SY | Aluminum Sulfate 1 Lb./SY, Push Spreader | 0.44 | |
| 32 91 13 33-0003 | MSF | Aluminum Sulfate 110 Lb./MSF Tractor Spreader | 40.88 | |
| 32 91 13 33-0004 | MSF | Fertilizer, 20 Lb./MSF, Push Spreader | 8.04 | |
| 32 91 13 33-0005 | MSF | Fertilizer, 20 Lb./MSF, Tractor Spread | 3.14 | |
| 32 91 13 33-0006 | MSF | Fertilizer, 20 Lb./MSF, Truck Spread | 5.60 | |
| 32 91 13 33-0007 | SY | Pelletized Lime, 1 Lb./SY, Push Spreader | 0.11 | |
| 32 91 13 33-0008 | MSF | Pelitized Lime, 110 Lb./MSF, Tractor Spreader | 7.84 | |
| 32 91 13 33-0009 | SY | Perlite, 1" Deep, Push Spreader | 3.72 | |
| 32 91 13 33-0010 | MSF | Perlite, 1" Deep, Tractor Spreader | 385.56 | |
| 32 91 13 33-0011 | SY | Vermiculite, Push Spreader | 3.45 | |
| 32 91 13 33-0012 | MSF | Vermiculite, Tractor Spreader | 376.63 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 91 13 33-0013 | SY | Humate Granular Soil Conditioner, 0.10 Lb./SY, Push Spreader | 0.24 | |
| 32 91 13 33-0014 | MSF | Humate Granular Soil Conditioner, 10 Lb./MSF, Tractor Spreader | 21.05 | |

### 32 91 13 36 Lawn Bed Preparation *(32 91 13)*

#### 32 91 13 36-0001 Lawn Bed Preparation *(32 91 13 36)*

| | | | | |
|---|---|---|---|---|
| 32 91 13 36-0002 | MSF | Rake Topsoil With Machine | 94.53 | |
| 32 91 13 36-0003 | MSF | Rake Topsoil By Hand | 79.67 | |
| 32 91 13 36-0004 | MSF | Screen Loam By Hand | 53.12 | |
| 32 91 13 36-0005 | SY | Roll Topsoil With Machine | 1.21 | |
| 32 91 13 36-0006 | SY | Roll Topsoil By Hand | 3.56 | |
| 32 91 13 36-0007 | MSF | Removal Of Rocks And Debris With Machine | 11.18 | |
| 32 91 13 36-0008 | MSF | Removal Of Rocks And Debris By Hand | 35.21 | |
| 32 91 13 36-0009 | MSF | Root Raking And Loading, No Boulders | 58.50 | |
| | | *For >45 to 225, Deduct* | *-40.95* | |
| | | *For >225, Deduct* | *-52.65* | |
| 32 91 13 36-0010 | MSF | Root Raking And Loading, With Boulders | 97.51 | |
| | | *For >45 to 225, Deduct* | *-68.26* | |
| | | *For >225, Deduct* | *-87.76* | |
| 32 91 13 36-0011 | MSF | Up To 6" Deep Tilling Topsoil With Tractor | 5.20 | |
| 32 91 13 36-0012 | MSF | >6" To 12" Deep Tilling Topsoil With Tractor | 10.53 | |
| | | *For Work On Slopes >2.5:1, Add* | *2.11* | |
| 32 91 13 36-0013 | SY | Up To 2" Deep Tilling Topsoil With Rototiller | 0.85 | |
| 32 91 13 36-0014 | SY | >2" To 4" Deep Tilling Topsoil With Rototiller | 1.01 | |
| 32 91 13 36-0015 | SY | >4" To 6" Deep Tilling Topsoil With Rototiller | 1.27 | |
| 32 91 13 36-0016 | LF | "V" Cut Soil For Edge Of Planting Beds | 1.41 | |

#### 32 91 13 36-0017 Sod Removal *(32 91 13 36)*

| | | | | |
|---|---|---|---|---|
| 32 91 13 36-0018 | SY | Removal Of Sod By Hand | 6.72 | |
| | | *For Work On Slopes >2.5:1, Add* | *1.34* | |
| 32 91 13 36-0019 | SY | Removal Of Sod With Machine | 0.70 | |
| | | *For Work On Slopes >2.5:1, Add* | *0.14* | |
| 32 91 13 36-0020 | SY | Pile Sod By Hand | 3.98 | |
| | | *For Work On Slopes >2.5:1, Add* | *0.80* | |
| 32 91 13 36-0021 | SY | Pile Sod With Machine | 1.31 | |
| | | *For Work On Slopes >2.5:1, Add* | *0.26* | |

## 32 91 19 Landscape Grading *(32 91)*

### 32 91 19 13 Topsoil Placement and Grading *(32 91 19)*

#### 32 91 19 13-0001 Remove And Stockpile Topsoil On Site *(32 91 19 13)*

| | | | | |
|---|---|---|---|---|
| 32 91 19 13-0002 | CY | Removal Of Topsoil, 4" Deep Stockpile On Site | 5.28 | |
| 32 91 19 13-0003 | CY | Removal Of Topsoil, 6" Deep Stockpile On Site | 5.23 | |

#### 32 91 19 13-0004 Screening Topsoil *(32 91 19 13)*

| | | | | |
|---|---|---|---|---|
| 32 91 19 13-0005 | CY | Screen Topsoil With Vibrating Screen, Wet Material (Organic) | 11.67 | |
| 32 91 19 13-0006 | CY | Screen Topsoil With Vibrating Screen, Dry Material | 7.78 | |

#### 32 91 19 13-0007 Spreading Topsoil From Stockpile *(32 91 19 13)*

| | | | | |
|---|---|---|---|---|
| 32 91 19 13-0008 | CY | Spread Topsoil By Machine From Stockpile | 8.90 | |
| 32 91 19 13-0009 | CY | Spread Topsoil By Hand From Stockpile | 76.03 | |

#### 32 91 19 13-0010 Furnish And Place Imported Screened Topsoil *(32 91 19 13)*

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

| | | | | |
|---|---|---|---|---|
| 32 91 19 13-0011 | SY | Furnish And Place Imported Screened Topsoil, 2" Deep | 3.41 | |
| | | *For Unscreened, Deduct* | *-0.36* | |
| 32 91 19 13-0012 | SY | Furnish And Place Imported Screened Topsoil, 4" Deep | 6.47 | |
| | | *For Unscreened, Deduct* | *-0.73* | |
| 32 91 19 13-0013 | SY | Furnish And Place Imported Screened Topsoil, 6" Deep | 9.28 | |
| | | *For Unscreened, Deduct* | *-1.09* | |
| 32 91 19 13-0014 | SY | Furnish And Place Imported Screened Topsoil, 9" Deep | 13.27 | |
| | | *For Unscreened, Deduct* | *-1.63* | |
| 32 91 19 13-0015 | SY | Furnish And Place Imported Screened Topsoil, 12" Deep | 17.26 | |
| | | *For Unscreened, Deduct* | *-2.18* | |
| 32 91 19 13-0016 | CY | Furnish And Place Imported Screened Topsoil, Over 12" Deep | 46.65 | |
| | | *For Unscreened, Deduct* | *-6.54* | |

#### 32 91 19 13-0017 Scarify Soil For Planting Preparation *(32 91 19 13)*

Note: Ripped in multiple directions with 3" maximum clods.

| | | | | |
|---|---|---|---|---|
| 32 91 19 13-0018 | MSF | Up To 5,000 SF Scarify Up To 8" Soil With Machine | 70.18 | |
| 32 91 19 13-0019 | MSF | >5,000 To 20,000 SF Scarify Up To 8" Soil With Machine | 49.11 | |
| 32 91 19 13-0020 | MSF | >20,000 SF Scarify Up To 8" Soil With Machine | 28.76 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 32 92 Turf and Grasses *(32 90)*

### 32 92 16 Plugging *(32 92)*

32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep *(32 92 16)*
Note: Includes fine grade and soil preparation.

32 92 16 00-0002 6" On Center Plugging *(32 92 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 92 16 00-0003 | MSF | Plugging By Hand, 6" On Center | 255.42 | |
| 32 92 16 00-0004 | MSF | Plugging By Walk Behind Planter, 6" On Center | 33.67 | |
| 32 92 16 00-0005 | MSF | Plugging By Towed Planter, 6" On Center | 24.65 | |

32 92 16 00-0006 9" On Center Plugging *(32 92 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 92 16 00-0007 | MSF | Plugging By Hand, 9" On Center | 195.99 | |
| 32 92 16 00-0008 | MSF | Plugging By Walk Behind Planter, 9" On Center | 26.44 | |
| 32 92 16 00-0009 | MSF | Plugging By Towed Planter, 9" On Center | 18.49 | |

32 92 16 00-0010 12" On Center Plugging *(32 92 16 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 92 16 00-0011 | MSF | Plugging By Hand, 12" On Center | 165.26 | |
| 32 92 16 00-0012 | MSF | Plugging By Walk Behind Planter, 12" On Center | 17.97 | |
| 32 92 16 00-0013 | MSF | Plugging By Towed Planter, 12" On Center | 11.85 | |

### 32 92 19 Seeding *(32 92)*

#### 32 92 19 13 Mechanical Seeding *(32 92 19)*
Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding *(32 92 19 13)*
Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.

| | | | | |
|---|---|---|---|---|
| 32 92 19 13-0002 | MSF | Common Bluegrass, Tractor Spreader<br>Note: 4 LB/MSF spread rate. | 49.20 | |
| 32 92 19 13-0003 | MSF | Tall Fescue, Tractor Spreader<br>Note: 5.5 LB/MSF spread rate. | 39.05 | |
| 32 92 19 13-0004 | MSF | Rye, Tractor Spreader<br>Note: 10 LB/MSF spread rate. | 39.76 | |
| 32 92 19 13-0005 | MSF | Shade Mix, Tractor Spreader<br>Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass. | 43.42 | |
| 32 92 19 13-0006 | MSF | Turf Mix, Tractor Spreader<br>Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass. | 46.05 | |
| 32 92 19 13-0007 | MSF | Slope Mix, Tractor Spreader<br>Note: 6 LB/MSF spread rate. | 42.55 | |
| 32 92 19 13-0008 | MSF | Utility Mix, Tractor Spreader<br>Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass. | 38.18 | |
| 32 92 19 13-0009 | MSF | Wild Flower Mix, Tractor Spreader<br>Note: 0.10 LB/MSF spread rate. | 29.94 | |
| 32 92 19 13-0010 | MSF | Crown Vetch Mix, Tractor Spreader<br>Note: 4 LB/MSF spread rate. | 95.07 | |
| 32 92 19 13-0011 | MSF | Athletic Mix, Tractor Spreader<br>Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass. | 56.55 | |
| 32 92 19 13-0012 | MSF | White Clover Mix, Tractor Spreader<br>Note: 7 LB/MSF spread rate. | 29.85 | |
| 32 92 19 13-0013 | MSF | Ladino Clover Mix, Tractor Spreader<br>Note: 7 LB/MSF spread rate. | 33.36 | |
| 32 92 19 13-0014 | MSF | Bermuda, Tractor Spreader<br>Note: 10 LB/MSF spread rate. | 48.21 | |

32 92 19 13-0015 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

| | | | | |
|---|---|---|---|---|
| 32 92 19 13-0016 | MSF | Common Bluegrass, Hydro Or Air Seeding<br>Note: 4 LB/MSF spread rate. | 98.27 | |
| | | *For Spot Areas Up To 1, Add* | *103.11* | |
| | | *For >1 To 4, Add* | *66.05* | |
| | | *For >4 To 7.5, Add* | *44.63* | |
| | | *For >7.5 To 10, Add* | *22.31* | |
| | | *For >45, Deduct* | *-7.81* | |
| | | *For Tackifier, Add* | *4.46* | |
| 32 92 19 13-0017 | MSF | Tall Fescue, Hydro Or Air Seeding<br>Note: 5.5 LB/MSF spread rate. | 104.39 | |
| | | *For Spot Areas Up To 1, Add* | *105.56* | |
| | | *For >1 To 4, Add* | *67.28* | |
| | | *For >4 To 7.5, Add* | *45.24* | |
| | | *For >7.5 To 10, Add* | *22.62* | |
| | | *For >45, Deduct* | *-8.12* | |
| | | *For Tackifier, Add* | *4.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 92 19 13-0018 | MSF | Rye, Hydro Or Air Spread<br>Note: 10 LB/MSF spread rate. | 98.52 | |
| | | *For Spot Areas Up To 1, Add* | *103.21* | |
| | | *For >1 To 4, Add* | *66.10* | |
| | | *For >4 To 7.5, Add* | *44.65* | |
| | | *For >7.5 To 10, Add* | *22.33* | |
| | | *For >45, Deduct* | *-7.83* | |
| | | *For Tackifier, Add* | *4.46* | |
| 32 92 19 13-0019 | MSF | Shade Mix, Hydro Or Air Seeding<br>Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass. | 98.27 | |
| | | *For Spot Areas Up To 1, Add* | *103.11* | |
| | | *For >1 To 4, Add* | *66.05* | |
| | | *For >4 To 7.5, Add* | *44.63* | |
| | | *For >7.5 To 10, Add* | *22.31* | |
| | | *For >45, Deduct* | *-7.81* | |
| | | *For Tackifier, Add* | *4.46* | |
| 32 92 19 13-0020 | MSF | Turf Mix, Hydro Or Air Seeding<br>Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass. | 104.39 | |
| | | *For Spot Areas Up To 1, Add* | *105.56* | |
| | | *For >1 To 4, Add* | *67.28* | |
| | | *For >4 To 7.5, Add* | *45.24* | |
| | | *For >7.5 To 10, Add* | *22.62* | |
| | | *For >45, Deduct* | *-8.12* | |
| | | *For Tackifier, Add* | *4.46* | |
| 32 92 19 13-0021 | MSF | Slope Mix, Hydro Or Air Seeding<br>Note: 6 LB/MSF spread rate. | 101.77 | |
| | | *For Spot Areas Up To 1, Add* | *104.51* | |
| | | *For >1 To 4, Add* | *66.75* | |
| | | *For >4 To 7.5, Add* | *44.98* | |
| | | *For >7.5 To 10, Add* | *22.49* | |
| | | *For >45, Deduct* | *-7.99* | |
| | | *For Tackifier, Add* | *4.46* | |
| 32 92 19 13-0022 | MSF | Utility Mix, Hydro Or Air Seeding<br>Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass. | 99.65 | |
| | | *For Spot Areas Up To 1, Add* | *103.66* | |
| | | *For >1 To 4, Add* | *66.33* | |
| | | *For >4 To 7.5, Add* | *44.77* | |
| | | *For >7.5 To 10, Add* | *22.38* | |
| | | *For >45, Deduct* | *-7.88* | |
| | | *For Tackifier, Add* | *4.46* | |
| 32 92 19 13-0023 | MSF | Wild Flower Mix, Hydro Or Air Seeding<br>Note: 0.10 LB/MSF spread rate. | 92.83 | |
| | | *For Spot Areas Up To 1, Add* | *100.93* | |
| | | *For >1 To 4, Add* | *64.97* | |
| | | *For >4 To 7.5, Add* | *44.08* | |
| | | *For >7.5 To 10, Add* | *22.04* | |
| | | *For >45, Deduct* | *-7.54* | |
| | | *For Tackifier, Add* | *4.46* | |
| 32 92 19 13-0024 | MSF | Crown Vetch Mix, Hydro Or Air Seeding<br>Note: 4 LB/MSF spread rate. | 154.29 | |
| | | *For Spot Areas Up To 1, Add* | *125.52* | |
| | | *For >1 To 4, Add* | *77.26* | |
| | | *For >4 To 7.5, Add* | *50.23* | |
| | | *For >7.5 To 10, Add* | *25.11* | |
| | | *For >45, Deduct* | *-10.61* | |
| | | *For Tackifier, Add* | *4.46* | |
| 32 92 19 13-0025 | MSF | Athletic Mix, Hydro Or Air Seeding<br>Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass. | 135.05 | |
| | | *For Spot Areas Up To 1, Add* | *117.82* | |
| | | *For >1 To 4, Add* | *73.41* | |
| | | *For >4 To 7.5, Add* | *48.31* | |
| | | *For >7.5 To 10, Add* | *24.15* | |
| | | *For >45, Deduct* | *-9.65* | |
| | | *For Tackifier, Add* | *4.46* | |
| 32 92 19 13-0026 | MSF | White Clover Mix, Hydro Or Air Seeding<br>Note: 7 LB/MSF spread rate. | 84.52 | |
| | | *For Spot Areas Up To 1, Add* | *97.61* | |
| | | *For >1 To 4, Add* | *63.30* | |
| | | *For >4 To 7.5, Add* | *43.25* | |
| | | *For >7.5 To 10, Add* | *21.63* | |
| | | *For >45, Deduct* | *-7.13* | |
| | | *For Tackifier, Add* | *4.46* | |
| 32 92 19 13-0027 | MSF | Ladino Clover Mix, Hydro Or Air Seeding<br>Note: 7 LB/MSF spread rate. | 94.76 | |
| | | *For Spot Areas Up To 1, Add* | *101.70* | |
| | | *For >1 To 4, Add* | *65.35* | |
| | | *For >4 To 7.5, Add* | *44.28* | |
| | | *For >7.5 To 10, Add* | *22.14* | |
| | | *For >45, Deduct* | *-7.64* | |
| | | *For Tackifier, Add* | *4.46* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 92 19 13-0028 | MSF | 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread | 100.02 | |
| | | Note: 4 LB/MSF spread rate. | | |
| | | *For Spot Areas Up To 1, Add* | *103.81* | |
| | | *For >1 To 4, Add* | *66.40* | |
| | | *For >4 To 7.5, Add* | *44.80* | |
| | | *For >7.5 To 10, Add* | *22.40* | |
| | | *For >45, Deduct* | *-7.90* | |
| | | *For Tackifier, Add* | *4.46* | |
| 32 92 19 13-0029 | MSF | 2,500 Lb./Acre, High Performance - Flexible Growth Medium | 126.73 | |
| | | Note: Applied with seed. Excludes seed. | | |
| | | *For >45, Deduct* | *-7.79* | |
| 32 92 19 13-0030 | MSF | 3,000 Lb./Acre, High Performance - Flexible Growth Medium | 147.73 | |
| | | Note: Applied with seed. Excludes seed. | | |
| | | *For >45, Deduct* | *-8.91* | |
| 32 92 19 13-0031 | MSF | 3,500 Lb./Acre, High Performance - Flexible Growth Medium | 168.81 | |
| | | Note: Applied with seed. Excludes seed. | | |
| | | *For >45, Deduct* | *-10.04* | |
| 32 92 19 13-0032 | MSF | 4,000 Lb./Acre, High Performance - Flexible Growth Medium | 189.94 | |
| | | Note: Applied with seed. Excludes seed. | | |
| | | *For >45, Deduct* | *-11.18* | |
| 32 92 19 13-0033 | MSF | 4,500 Lb./Acre, High Performance - Flexible Growth Medium | 211.16 | |
| | | Note: Applied with seed. Excludes seed. | | |
| | | *For >45, Deduct* | *-12.32* | |
| 32 92 19 13-0034 | MSF | Custom Mix (Landfill Closure), Hydro Or Air Seeding | 123.18 | |
| | | Note: Mixture of varieties: 0.184 Lbs/MSF (8 Lbs/Acre) Vulpia Microstachys, 0.138 Lbs/MSF (6 Lbs/Acre) Poa Secunda, 0.23 Lbs/MSF (10 Lbs/Acre) Hordeum Californicum Prostrate, 0.138 Lbs/MSF (6 Lbs/Acre) Nassella Pulchra, 0.184 Lbs/MSF (8 Lbs/Acre) Elymus Glaucus Anderson, 0.023 Lbs/MSF (1 Lbs/Acre) Artemisia Californica, 0.046 Lbs/MSF (2 Lbs/Acre) Atriplex Semibaccata, and 0.023 Lbs/MSF (1 Lbs/Acre) Atriplex Polycarpa. | | |
| | | *For Spot Areas Up To 1, Add* | *113.07* | |
| | | *For >1 To 4, Add* | *71.04* | |
| | | *For >4 To 7.5, Add* | *47.12* | |
| | | *For >7.5 To 10, Add* | *23.56* | |
| | | *For >45, Deduct* | *-9.06* | |
| 32 92 19 13-0035 | ACR | Custom Mix (Landfill Closure), Hydro Or Air Seeding | 5,108.51 | |
| | | Note: Mixture of varieties: 8 Lbs/Acre Vulpia Microstachys, 6 Lbs/Acre Poa Secunda, 10 Lbs/Acre Hordeum Californicum Prostrate, 6 Lbs/Acre Nassella Pulchra, 8 Lbs/Acre Elymus Glaucus Anderson, 1 Lbs/Acre Artemisia Californica, 2 Lbs/Acre Atriplex Semibaccata, and 1 Lbs/Acre Atriplex Polycarpa. | | |

## 32 92 19 19 Seeding by Hand *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering. See CSI section 32 91 13 16-0017 for wheat straw mulch.

### 32 92 19 19-0001 Push Spreader Or Hand Seeding *(32 92 19 19)*

Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.

| | | | | |
|---|---|---|---|---|
| 32 92 19 19-0002 | MSF | Common Bluegrass, Push Spreader Or Hand | 123.75 | |
| | | Note: 4 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-8.68* | |
| | | *For >20 To 45, Deduct* | *-16.75* | |
| | | *For >45, Deduct* | *-27.31* | |
| 32 92 19 19-0003 | MSF | Tall Fescue, Push Spreader Or Hand | 113.60 | |
| | | Note: 5.5 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-8.17* | |
| | | *For >20 To 45, Deduct* | *-15.99* | |
| | | *For >45, Deduct* | *-26.30* | |
| 32 92 19 19-0004 | MSF | Rye, Push Spreader Or Hand | 114.31 | |
| | | Note: 10 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-8.21* | |
| | | *For >20 To 45, Deduct* | *-16.04* | |
| | | *For >45, Deduct* | *-26.37* | |
| 32 92 19 19-0005 | MSF | Shade Mix, Push Spreader Or Hand | 117.97 | |
| | | Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass. | | |
| | | *For >5 To 20, Deduct* | *-8.39* | |
| | | *For >20 To 45, Deduct* | *-16.32* | |
| | | *For >45, Deduct* | *-26.74* | |
| 32 92 19 19-0006 | MSF | Turf Mix, Push Spreader Or Hand | 120.60 | |
| | | Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass. | | |
| | | *For >5 To 20, Deduct* | *-8.52* | |
| | | *For >20 To 45, Deduct* | *-16.51* | |
| | | *For >45, Deduct* | *-27.00* | |
| 32 92 19 19-0007 | MSF | Slope Mix, Push Spreader Or Hand | 117.10 | |
| | | Note: 6 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-8.34* | |
| | | *For >20 To 45, Deduct* | *-16.25* | |
| | | *For >45, Deduct* | *-26.65* | |
| 32 92 19 19-0008 | MSF | Utility Mix, Push Spreader Or Hand | 112.73 | |
| | | Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass. | | |
| | | *For >5 To 20, Deduct* | *-8.13* | |
| | | *For >20 To 45, Deduct* | *-15.92* | |
| | | *For >45, Deduct* | *-26.21* | |
| 32 92 19 19-0009 | MSF | Wild Flower Mix, Push Spreader Or Hand | 104.49 | |
| | | Note: 0.10 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-7.71* | |
| | | *For >20 To 45, Deduct* | *-15.31* | |
| | | *For >45, Deduct* | *-25.39* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 92 19 19-0010 | MSF | Crown Vetch Mix, Push Spreader Or Hand | 169.62 | |
| | | Note: 4 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-10.97* | |
| | | *For >20 To 45, Deduct* | *-20.19* | |
| | | *For >45, Deduct* | *-31.90* | |
| 32 92 19 19-0011 | MSF | Athletic Mix, Push Spreader Or Hand | 131.10 | |
| | | Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass. | | |
| | | *For >5 To 20, Deduct* | *-9.04* | |
| | | *For >20 To 45, Deduct* | *-17.30* | |
| | | *For >45, Deduct* | *-28.05* | |
| 32 92 19 19-0012 | MSF | White Clover Mix, Push Spreader Or Hand | 104.40 | |
| | | Note: 7 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-7.71* | |
| | | *For >20 To 45, Deduct* | *-15.30* | |
| | | *For >45, Deduct* | *-25.38* | |
| 32 92 19 19-0013 | MSF | Ladino Clover Mix, Push Spreader Or Hand | 107.91 | |
| | | Note: 7 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-7.89* | |
| | | *For >20 To 45, Deduct* | *-15.56* | |
| | | *For >45, Deduct* | *-25.73* | |
| 32 92 19 19-0014 | MSF | 100% Kentucky Bluegrass, Push Spreader Or Hand | 125.41 | |
| | | Note: 3.3 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-8.76* | |
| | | *For >20 To 45, Deduct* | *-16.88* | |
| | | *For >45, Deduct* | *-27.48* | |
| 32 92 19 19-0015 | MSF | 70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand | 120.60 | |
| | | Note: 3.3 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-8.52* | |
| | | *For >20 To 45, Deduct* | *-16.51* | |
| | | *For >45, Deduct* | *-27.00* | |
| 32 92 19 19-0016 | MSF | 50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand | 117.10 | |
| | | Note: 3.3 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-8.34* | |
| | | *For >20 To 45, Deduct* | *-16.25* | |
| | | *For >45, Deduct* | *-26.65* | |
| 32 92 19 19-0017 | MSF | 50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand | 124.10 | |
| | | Note: 4.4 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-8.69* | |
| | | *For >20 To 45, Deduct* | *-16.78* | |
| | | *For >45, Deduct* | *-27.35* | |
| 32 92 19 19-0018 | MSF | 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand | 118.85 | |
| | | Note: 3.3 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-8.43* | |
| | | *For >20 To 45, Deduct* | *-16.38* | |
| | | *For >45, Deduct* | *-26.82* | |
| 32 92 19 19-0019 | MSF | 40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand | 120.60 | |
| | | Note: 3.3 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-8.52* | |
| | | *For >20 To 45, Deduct* | *-16.51* | |
| | | *For >45, Deduct* | *-27.00* | |
| 32 92 19 19-0020 | MSF | Bermuda, Push Spreader Or Hand | 122.76 | |
| | | Note: 10 LB/MSF spread rate. | | |
| | | *For >5 To 20, Deduct* | *-8.63* | |
| | | *For >20 To 45, Deduct* | *-16.68* | |
| | | *For >45, Deduct* | *-27.21* | |

## 32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

### 32 92 23 00-0001 Bermuda Sod *(32 92 23)*

| | | | |
|---|---|---|---|
| 32 92 23 00-0002 | MSF | Up To 1,000 SF, Bermuda Sod, Installed On Level Ground | 1,680.53 |
| 32 92 23 00-0003 | MSF | >1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground | 1,420.99 |
| 32 92 23 00-0004 | MSF | >4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground | 1,209.76 |
| 32 92 23 00-0005 | MSF | >8,000 SF, Bermuda Sod, Installed On Level Ground | 1,061.07 |
| 32 92 23 00-0006 | MSF | Up To 1,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,071.91 |
| 32 92 23 00-0007 | MSF | >1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,752.56 |
| 32 92 23 00-0008 | MSF | >4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,438.51 |
| 32 92 23 00-0009 | MSF | >8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,255.59 |

### 32 92 23 00-0010 Zoysia Sod *(32 92 23)*

| | | | |
|---|---|---|---|
| 32 92 23 00-0011 | MSF | Up To 1,000 SF, Zoysia Sod, Installed On Level Ground | 2,420.98 |
| 32 92 23 00-0012 | MSF | >1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground | 1,974.56 |
| 32 92 23 00-0013 | MSF | >4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground | 1,671.08 |
| 32 92 23 00-0014 | MSF | >8,000 SF, Zoysia Sod, Installed On Level Ground | 1,430.12 |
| 32 92 23 00-0015 | MSF | Up To 1,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,810.01 |
| 32 92 23 00-0016 | MSF | >1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,306.13 |
| 32 92 23 00-0017 | MSF | >4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,899.83 |
| 32 92 23 00-0018 | MSF | >8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,624.64 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 32 92 23 00-0019 Tall Fescue Sod *(32 92 23)*

| | | | | |
|---|---|---|---|---|
| 32 92 23 00-0020 | MSF | Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground | 2,386.81 | |
| | | *For Hybrid Fescue "Marathon", Add* | *156.97* | |
| 32 92 23 00-0021 | MSF | >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground | 1,948.94 | |
| | | *For Hybrid Fescue "Marathon", Add* | *118.28* | |
| 32 92 23 00-0022 | MSF | >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground | 1,649.72 | |
| | | *For Hybrid Fescue "Marathon", Add* | *98.93* | |
| 32 92 23 00-0023 | MSF | >8,000 SF, Tall Fescue Sod, Installed On Level Ground | 1,413.04 | |
| | | *For Hybrid Fescue "Marathon", Add* | *79.59* | |
| 32 92 23 00-0024 | MSF | Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,775.84 | |
| | | *For Hybrid Fescue "Marathon", Add* | *156.97* | |
| 32 92 23 00-0025 | MSF | >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,280.51 | |
| | | *For Hybrid Fescue "Marathon", Add* | *118.28* | |
| 32 92 23 00-0026 | MSF | >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,878.47 | |
| | | *For Hybrid Fescue "Marathon", Add* | *98.93* | |
| 32 92 23 00-0027 | MSF | >8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,607.56 | |
| | | *For Hybrid Fescue "Marathon", Add* | *79.59* | |

### 32 92 23 00-0028 Centipede Sod *(32 92 23)*

| | | | | |
|---|---|---|---|---|
| 32 92 23 00-0029 | MSF | Up To 1,000 SF, Centipede Sod, Installed On Level Ground | 2,135.65 | |
| 32 92 23 00-0030 | MSF | >1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground | 1,760.57 | |
| 32 92 23 00-0031 | MSF | >4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground | 1,492.75 | |
| 32 92 23 00-0032 | MSF | >8,000 SF, Centipede Sod, Installed On Level Ground | 1,287.46 | |
| 32 92 23 00-0033 | MSF | Up To 1,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,524.68 | |
| 32 92 23 00-0034 | MSF | >1,000 To 4,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,092.14 | |
| 32 92 23 00-0035 | MSF | >4,000 To 8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,721.50 | |
| 32 92 23 00-0036 | MSF | >8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,481.98 | |

### 32 92 23 00-0037 Kentucky Blue Grass Sod *(32 92 23)*

| | | | | |
|---|---|---|---|---|
| 32 92 23 00-0038 | MSF | Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground | 2,035.04 | |
| 32 92 23 00-0039 | MSF | >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground | 1,685.11 | |
| 32 92 23 00-0040 | MSF | >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground | 1,429.86 | |
| 32 92 23 00-0041 | MSF | >8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground | 1,237.15 | |
| 32 92 23 00-0042 | MSF | Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,424.07 | |
| 32 92 23 00-0043 | MSF | >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,016.68 | |
| 32 92 23 00-0044 | MSF | >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,658.61 | |
| 32 92 23 00-0045 | MSF | >8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,431.67 | |

### 32 92 23 00-0046 Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar *(32 92 23)*

| | | | | |
|---|---|---|---|---|
| 32 92 23 00-0047 | MSF | Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground | 1,884.11 | |
| 32 92 23 00-0048 | MSF | >1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground | 1,571.91 | |
| 32 92 23 00-0049 | MSF | >4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground | 1,335.54 | |
| 32 92 23 00-0050 | MSF | >8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground | 1,161.69 | |
| 32 92 23 00-0051 | MSF | Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,273.14 | |
| 32 92 23 00-0052 | MSF | >1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,903.48 | |
| 32 92 23 00-0053 | MSF | >4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,564.29 | |
| 32 92 23 00-0054 | MSF | >8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,356.21 | |

### 32 92 23 00-0055 GN-1 Sod *(32 92 23)*

| | | | | |
|---|---|---|---|---|
| 32 92 23 00-0056 | MSF | Up To 1,000 SF, GN-1 Sod, Installed On Level Ground | 2,406.54 | |
| 32 92 23 00-0057 | MSF | >1,000 To 4,000 SF, GN-1 Sod, Installed On Level Ground | 1,963.74 | |
| 32 92 23 00-0058 | MSF | >4,000 To 8,000 SF, GN-1 Sod, Installed On Level Ground | 1,662.06 | |
| 32 92 23 00-0059 | MSF | >8,000 SF, GN-1 Sod, Installed On Level Ground | 1,422.90 | |
| 32 92 23 00-0060 | MSF | Up To 1,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,795.57 | |
| 32 92 23 00-0061 | MSF | >1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,295.31 | |
| 32 92 23 00-0062 | MSF | >4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,890.81 | |
| 32 92 23 00-0063 | MSF | >8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,617.42 | |

### 32 92 23 00-0064 Tifgreen Bermuda Sod *(32 92 23)*

| | | | | |
|---|---|---|---|---|
| 32 92 23 00-0065 | MSF | Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground | 2,520.71 | |
| 32 92 23 00-0066 | MSF | >1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground | 2,049.36 | |
| 32 92 23 00-0067 | MSF | >4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground | 1,733.41 | |
| 32 92 23 00-0068 | MSF | >8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground | 1,479.98 | |
| 32 92 23 00-0069 | MSF | Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,909.74 | |
| 32 92 23 00-0070 | MSF | >1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes | 2,380.93 | |
| 32 92 23 00-0071 | MSF | >4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,962.16 | |
| 32 92 23 00-0072 | MSF | >8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes | 1,674.50 | |

## 32 93 Plants *(32 90)*

### 32 93 13 Ground Covers *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of ground cover.

### 32 93 13 00-0001 Ornamental Grasses *(32 93 13)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 13 00-0002 | EA | 1 Gallon, Cortaderia selloana - Pampas Grass | 34.95 | |
| 32 93 13 00-0003 | EA | 2 Gallon, Cortaderia selloana - Pampas Grass | 64.60 | |
| 32 93 13 00-0004 | EA | 3 Gallon, Cortaderia selloana - Pampas Grass | 117.41 | |
| 32 93 13 00-0005 | EA | 5 Gallon, Cortaderia selloana - Pampas Grass | 213.69 | |
| 32 93 13 00-0006 | EA | 1 Gallon, Distichlis spicata - Saltgrass | 11.56 | |
| 32 93 13 00-0007 | EA | 5 Gallon, Distichlis spicata - Saltgrass | 30.25 | |
| 32 93 13 00-0008 | EA | 1 Quart, Imperata cylindrica - Japanese Blood Grass | 26.75 | |
| 32 93 13 00-0009 | EA | 1 Gallon, Imperata cylindrica - Japanese Blood Grass | 35.57 | |
| 32 93 13 00-0010 | EA | 2 Gallon, Imperata cylindrica - Japanese Blood Grass | 38.07 | |
| 32 93 13 00-0011 | EA | 1 Quart, Koeleria glauca - Blue Hair Grass | 26.68 | |
| 32 93 13 00-0012 | EA | 1 Gallon, Koeleria glauca - Blue Hair Grass | 35.57 | |
| 32 93 13 00-0013 | EA | 3 Gallon, Koeleria glauca - Blue Hair Grass | 86.06 | |
| 32 93 13 00-0014 | EA | 1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass | 33.77 | |
| 32 93 13 00-0015 | EA | 3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass | 43.77 | |
| 32 93 13 00-0016 | EA | 5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass | 83.68 | |
| 32 93 13 00-0017 | EA | 1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass | 31.35 | |
| 32 93 13 00-0018 | EA | 3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass | 49.28 | |
| 32 93 13 00-0019 | EA | 5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass | 84.34 | |
| 32 93 13 00-0020 | EA | 1 Gallon, Monathochloe littoralis - Shore Grass | 14.46 | |
| 32 93 13 00-0021 | EA | 1 Quart, Pennisetum setaceum - Fountain Grass | 29.18 | |
| 32 93 13 00-0022 | EA | 1 Gallon, Pennisetum setaceum - Fountain Grass | 74.23 | |
| 32 93 13 00-0023 | EA | 3 Gallon, Pennisetum setaceum - Fountain Grass | 97.86 | |
| 32 93 13 00-0024 | EA | 1 Gallon, Saccharum ravennae - Ravenna Grass | 92.38 | |
| 32 93 13 00-0025 | EA | 3 Gallon, Saccharum ravennae - Ravenna Grass | 103.78 | |
| 32 93 13 00-0026 | EA | 7 Gallon, Saccharum ravennae - Ravenna Grass | 171.21 | |
| 32 93 13 00-0027 | EA | 1 Gallon, Spartina pectinata - Variegated Cord Grass | 50.16 | |
| 32 93 13 00-0028 | EA | 2 Gallon, Spartina pectinata - Variegated Cord Grass | 75.08 | |
| 32 93 13 00-0029 | EA | 1 Quart, Stipa gigantea - Giant Feather Grass | 38.29 | |
| 32 93 13 00-0030 | EA | 1 Gallon, Stipa gigantea - Giant Feather Grass | 53.36 | |
| 32 93 13 00-0031 | EA | 1 Gallon, Triglochin maritima - Arrow Grass | 8.68 | |

## 32 93 13 00-0032 Ground Covers *(32 93 13)*

| | | | | |
|---|---|---|---|---|
| 32 93 13 00-0033 | EA | 1 Gallon Agave Attenuata - Century Plant | 12.72 | |
| 32 93 13 00-0034 | EA | 5 Gallon Agave Attenuata - Century Plant | 34.30 | |
| 32 93 13 00-0035 | EA | 15 Gallon Agave Attenuata - Century Plant | 113.42 | |
| 32 93 13 00-0036 | EA | 1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac | 10.85 | |
| 32 93 13 00-0037 | EA | 5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac | 30.21 | |
| 32 93 13 00-0038 | EA | 1 Gallon Ceanothus 'Yankee Point' - Wild Lilac | 10.85 | |
| 32 93 13 00-0039 | EA | 5 Gallon Ceanothus 'Yankee Point' - Wild Lilac | 28.22 | |
| 32 93 13 00-0040 | EA | 1 Gallon Dietes Vegata - Fortnight Lily | 9.52 | |
| 32 93 13 00-0041 | EA | 5 Gallon Dietes Vegata - Fortnight Lily | 23.46 | |
| 32 93 13 00-0042 | EA | 1 Gallon Juncus Patens ' Elk Blue' - California Gray Rush | 17.68 | |
| 32 93 13 00-0043 | EA | 5 Gallon Juncus Patens ' Elk Blue' - California Gray Rush | 46.45 | |
| 32 93 13 00-0044 | EA | 4" Pot Miscanthus 'Morning Light' - NCN | 13.26 | |
| 32 93 13 00-0045 | EA | 20 Count Flat Miscanthus 'Morning Light' - NCN | 195.54 | |
| 32 93 13 00-0046 | EA | 1 Gallon Nassella Tenuissima - Mexican Feather Grass | 17.68 | |
| 32 93 13 00-0047 | EA | 1 Gallon Trachelospermum Jasminoides - Star Jasmine | 9.61 | |
| 32 93 13 00-0048 | EA | 5 Gallon Trachelospermum Jasminoides - Star Jasmine | 24.09 | |
| 32 93 13 00-0049 | EA | 1 Gallon Westringia Fruticosa - Coast Rosemary | 9.52 | |
| 32 93 13 00-0050 | EA | 5 Gallon Westringia Fruticosa - Coast Rosemary | 23.46 | |
| 32 93 13 00-0051 | EA | 15 Gallon Westringia Fruticosa - Coast Rosemary | 96.27 | |
| 32 93 13 00-0052 | EA | 1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge | 44.86 | |
| 32 93 13 00-0053 | EA | 1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge | 58.40 | |
| 32 93 13 00-0054 | EA | 2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper | 73.91 | |
| 32 93 13 00-0055 | EA | 1 Quart Waldsteinia ternata - Barren Strawberry | 12.69 | |
| 32 93 13 00-0056 | EA | 1 Gallon Waldsteinia ternata - Barren Strawberry | 30.47 | |
| 32 93 13 00-0057 | EA | 1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster | 41.47 | |
| 32 93 13 00-0058 | EA | 2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster | 78.70 | |
| 32 93 13 00-0059 | EA | 5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster | 138.79 | |
| 32 93 13 00-0060 | EA | 1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope | 14.20 | |
| 32 93 13 00-0061 | EA | 1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine | 26.24 | |
| 32 93 13 00-0062 | EA | 5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine | 92.25 | |
| 32 93 13 00-0063 | EA | 1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper | 34.44 | |
| 32 93 13 00-0064 | EA | 4" Pot Parthenocissus tricuspidata - Boston Ivy | 16.93 | |
| 32 93 13 00-0065 | EA | 1 Gallon Parthenocissus tricuspidata - Boston Ivy | 38.59 | |
| 32 93 13 00-0066 | EA | 5 Gallon Parthenocissus tricuspidata - Boston Ivy | 105.62 | |
| 32 93 13 00-0067 | EA | 3 Gallon Bougainvillea spectabilis - Bougainvillea | 44.39 | |
| 32 93 13 00-0068 | EA | 1 Quart Iberis sempervirens - Candytuft | 12.69 | |
| 32 93 13 00-0069 | EA | 1 Gallon Iberis sempervirens - Candytuft | 30.47 | |
| 32 93 13 00-0070 | EA | 1 Gallon Gelsemium sempervirens - Carolina Jessamine | 36.56 | |
| 32 93 13 00-0071 | EA | 5 Gallon Gelsemium sempervirens - Carolina Jessamine | 132.02 | |
| 32 93 13 00-0072 | EA | 3" Pot Ajuga reptans - Carpet Bugle | 7.62 | |
| 32 93 13 00-0073 | EA | 1 Quart Ajuga reptans - Carpet Bugle | 12.69 | |
| 32 93 13 00-0074 | EA | 1 Gallon Ajuga reptans - Carpet Bugle | 30.47 | |
| 32 93 13 00-0075 | EA | 24 Plant Flat Ajuga reptans - Carpet Bugle | 131.17 | |
| 32 93 13 00-0076 | EA | 1 Gallon Macfadyena unguis-cati - Cat Claw Vine | 30.47 | |
| 32 93 13 00-0077 | EA | 5 Gallon Macfadyena unguis-cati - Cat Claw Vine | 132.02 | |
| 32 93 13 00-0078 | EA | 1 Gallon Wisteria sinensis - Chinese Wisteria Vine | 39.78 | |
| 32 93 13 00-0079 | EA | 3 Gallon Wisteria sinensis - Chinese Wisteria Vine | 88.02 | |
| 32 93 13 00-0080 | EA | 5 Gallon Wisteria sinensis - Chinese Wisteria Vine | 132.02 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 13 00-0081 | EA | 1 Gallon Ranunculaceae - Clematis Varieties | 43.73 | |
| 32 93 13 00-0082 | EA | 2 Gallon Ranunculaceae - Clematis Varieties | 80.87 | |
| 32 93 13 00-0083 | EA | 1 Gallon Hydrangea petiolaris - Climbing Hydrangea | 55.01 | |
| 32 93 13 00-0084 | EA | 2 Gallon Hydrangea petiolaris - Climbing Hydrangea | 103.25 | |
| 32 93 13 00-0085 | EA | 5 Gallon Hydrangea petiolaris - Climbing Hydrangea | 169.26 | |
| 32 93 13 00-0086 | EA | 4" Pot Lantana camera - Common Lantana | 7.62 | |
| 32 93 13 00-0087 | EA | 1 Gallon Lantana camera - Common Lantana | 22.00 | |
| 32 93 13 00-0088 | EA | 1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia | 26.24 | |
| 32 93 13 00-0089 | EA | 5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia | 86.32 | |
| 32 93 13 00-0090 | EA | 2 Quart Lysimachia nummularia - Creeping Jenny | 12.69 | |
| 32 93 13 00-0091 | EA | 1 Gallon Lysimachia nummularia - Creeping Jenny | 24.54 | |
| 32 93 13 00-0092 | EA | 2 Quart Liriope spicata - Creeping Lilytuft | 22.00 | |
| 32 93 13 00-0093 | EA | 1 Gallon Liriope spicata - Creeping Lilytuft | 39.78 | |
| 32 93 13 00-0094 | EA | 5 Gallon Liriope spicata - Creeping Lilytuft | 83.78 | |
| 32 93 13 00-0095 | EA | Bare Root Liriope spicata - Creeping Liriope | 5.55 | |
| 32 93 13 00-0096 | EA | 3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary | 7.62 | |
| 32 93 13 00-0097 | EA | 1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary | 30.47 | |
| 32 93 13 00-0098 | EA | 2-1/4" Pot Securigera varia - Crown Vetch | 5.08 | |
| 32 93 13 00-0099 | EA | 50 Plant Flat Securigera varia - Crown Vetch | 171.80 | |
| 32 93 13 00-0100 | EA | 1 Quart Senecio cineraria - Dusty Miller | 12.69 | |
| 32 93 13 00-0101 | EA | 1 Gallon Senecio cineraria - Dusty Miller | 30.47 | |
| 32 93 13 00-0102 | EA | 2 Gallon Aristolochia macrophylla - Dutchman's Pipe | 105.79 | |
| 32 93 13 00-0103 | EA | 5 Gallon Aristolochia macrophylla - Dutchman's Pipe | 193.80 | |
| 32 93 13 00-0104 | EA | 1 Gallon Ilex cornuta - Dwarf Holly | 22.98 | |
| 32 93 13 00-0105 | EA | 3 Gallon Ilex cornuta - Dwarf Holly | 49.26 | |
| 32 93 13 00-0106 | EA | 3 Gallon Rhaphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn | 49.26 | |
| 32 93 13 00-0107 | EA | 1 Gallon Tradescantia spathacea - Dwarf Oyster Plant | 16.42 | |
| 32 93 13 00-0108 | EA | 2" To 3" Pot Hedera helix - English Ivy | 7.62 | |
| 32 93 13 00-0109 | EA | 12" To 15" Runners Hedera helix - English Ivy | 12.69 | |
| 32 93 13 00-0110 | EA | 1 Gallon Hedera helix - English Ivy | 30.47 | |
| 32 93 13 00-0111 | EA | 50 Plant Flat Hedera helix - English Ivy | 176.03 | |
| 32 93 13 00-0112 | EA | 4" Pot Lavandula angustifolia - English Lavender | 11.00 | |
| 32 93 13 00-0113 | EA | 1 Quart Lavandula angustifolia - English Lavender | 21.16 | |
| 32 93 13 00-0114 | EA | 1 Gallon Lavandula angustifolia - English Lavender | 34.70 | |
| 32 93 13 00-0115 | EA | 1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper | 33.01 | |
| 32 93 13 00-0116 | EA | 2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper | 66.01 | |
| 32 93 13 00-0117 | EA | 1 Quart Arundo donax - Giant Reed | 40.62 | |
| 32 93 13 00-0118 | EA | 1 Gallon Arundo donax - Giant Reed | 58.40 | |
| 32 93 13 00-0119 | EA | 1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle | 34.70 | |
| 32 93 13 00-0120 | EA | 2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle | 66.01 | |
| 32 93 13 00-0121 | EA | 1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass | 44.86 | |
| 32 93 13 00-0122 | EA | 1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass | 67.71 | |
| 32 93 13 00-0123 | EA | 3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle | 7.62 | |
| 32 93 13 00-0124 | EA | 1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle | 34.70 | |
| 32 93 13 00-0125 | EA | 2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle | 66.01 | |
| 32 93 13 00-0126 | EA | 1 Gallon Hardenbergia violacea - Happy Wanderer | 30.47 | |
| 32 93 13 00-0127 | EA | 5 Gallon Hardenbergia violacea - Happy Wanderer | 101.56 | |
| 32 93 13 00-0128 | EA | 3 Gallon Hibiscus, Assorted Colors | 39.68 | |
| 32 93 13 00-0129 | EA | 1 Gallon Acorus gramineus - Japanese Sweet Flag | 31.74 | |
| 32 93 13 00-0130 | EA | 1 Gallon Jasminum volubile - Wax Jasmine | 15.99 | |
| 32 93 13 00-0131 | EA | 1 Gallon Jasminum volubile - Wax Jasmine | 39.68 | |
| 32 93 13 00-0132 | EA | 1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper | 19.94 | |
| 32 93 13 00-0133 | EA | 3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper | 44.39 | |
| 32 93 13 00-0134 | EA | 1 Gallon Cissus antarctica - Kangaroo Vine | 24.54 | |
| 32 93 13 00-0135 | EA | 5 Gallon Cissus antarctica - Kangaroo Vine | 77.01 | |
| 32 93 13 00-0136 | EA | 1 Quart Stachys byzantina - Lamb's Ear | 12.69 | |
| 32 93 13 00-0137 | EA | 1 Quart Stachys byzantina - Lamb's Ear | 30.47 | |
| 32 93 13 00-0138 | EA | 1 Gallon Lantana spp. Various Colors | 17.96 | |
| 32 93 13 00-0139 | EA | 1 Gallon Lantana sellowiana - Trailing Lantana | 11.82 | |
| 32 93 13 00-0140 | EA | 1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed | 24.54 | |
| 32 93 13 00-0141 | EA | 5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed | 88.01 | |
| 32 93 13 00-0142 | EA | 1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum | 17.96 | |
| 32 93 13 00-0143 | EA | 1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum | 22.66 | |
| 32 93 13 00-0144 | EA | 3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum | 36.24 | |
| 32 93 13 00-0145 | EA | 1 Quart Moss Phlox, Creeping Phlox | 12.69 | |
| 32 93 13 00-0146 | EA | 1 Gallon Moss Phlox, Creeping Phlox | 30.47 | |
| 32 93 13 00-0147 | EA | 1 Gallon Nephrolepis exaltata - Common Boston Fern | 15.99 | |
| 32 93 13 00-0148 | EA | 4" Pot Ophiopogon Japonicus - Mondo grass | 7.62 | |
| 32 93 13 00-0149 | EA | 1 Gallon Ophiopogon Japonicus - Mondo grass | 30.47 | |
| 32 93 13 00-0150 | EA | 5 Gallon Ophiopogon Japonicus - Mondo grass | 70.24 | |
| 32 93 13 00-0151 | EA | 2' To 3' High Oregon Holly-Grape | 35.17 | |
| 32 93 13 00-0152 | EA | 1 Gallon Pachysandra terminalis - Pachysandra | 45.81 | |
| 32 93 13 00-0153 | EA | 2-1/4" Pot Vinca minor - Periwinkle | 4.23 | |
| 32 93 13 00-0154 | EA | 4" Pot Vinca minor - Periwinkle | 12.69 | |
| 32 93 13 00-0155 | EA | Bare Root Vinca minor - Periwinkle | 4.23 | |
| 32 93 13 00-0156 | EA | 1 Quart Nepeta mussinii - Persian Catmint | 12.69 | |
| 32 93 13 00-0157 | EA | 1 Gallon Nepeta mussinii - Persian Catmint | 26.24 | |
| 32 93 13 00-0158 | EA | 1 Gallon Coprosma kirkii - Prostrate Coprosma | 21.16 | |
| 32 93 13 00-0159 | EA | 5 Gallon Coprosma kirkii - Prostrate Coprosma | 77.01 | |
| 32 93 13 00-0160 | EA | 1 Gallon Juniperus Horizontalis - Prostrate Juniper | 34.70 | |
| 32 93 13 00-0161 | EA | 3 Gallon Juniperus Horizontalis - Prostrate Juniper | 74.47 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 13 00-0162 | EA | 5 Gallon Juniperus Horizontalis - Prostrate Juniper | 110.02 | |
| 32 93 13 00-0163 | EA | 1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper | 30.22 | |
| 32 93 13 00-0164 | EA | 1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper | 78.30 | |
| 32 93 13 00-0165 | EA | 24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper | 131.17 | |
| 32 93 13 00-0166 | EA | 1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf" | 15.99 | |
| 32 93 13 00-0167 | EA | 1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue | 17.77 | |
| 32 93 13 00-0168 | EA | 1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue | 31.74 | |
| 32 93 13 00-0169 | EA | 2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue | 49.51 | |
| 32 93 13 00-0170 | EA | 1 Gallon Hymenocallis latifolia - Spider Lily | 19.70 | |
| 32 93 13 00-0171 | EA | 3 Gallon Hymenocallis latifolia - Spider Lily | 52.54 | |
| 32 93 13 00-0172 | EA | 1 Quart Hypericum perforatum - St. John's Wort | 12.69 | |
| 32 93 13 00-0173 | EA | 1 Gallon Hypericum perforatum - St. John's Wort | 30.47 | |
| 32 93 13 00-0174 | EA | 5 Gallon Hypericum perforatum - St. John's Wort | 78.70 | |
| 32 93 13 00-0175 | EA | 24" To 30" High Viburnum awabuki - Sweet Viburnum | 107.11 | |
| 32 93 13 00-0176 | EA | 1 Gallon Campsis radicans - Trumpet Creeper | 46.55 | |
| 32 93 13 00-0177 | EA | 2 Gallon Campsis radicans - Trumpet Creeper | 70.24 | |
| 32 93 13 00-0178 | EA | 5 Gallon Campsis radicans - Trumpet Creeper | 169.26 | |
| 32 93 13 00-0179 | EA | 2-1/4" Pot Vinca major - Variegated Greater Periwinkle | 4.23 | |
| 32 93 13 00-0180 | EA | 4" Pot Vinca major - Variegated Greater Periwinkle | 12.69 | |
| 32 93 13 00-0181 | EA | Bare Root Vinca major - Variegated Greater Periwinkle | 4.23 | |
| 32 93 13 00-0182 | EA | 1 Quart Carex hachijoensis - Variegated Japanese Sedge | 22.85 | |
| 32 93 13 00-0183 | EA | 1 Gallon Carex hachijoensis - Variegated Japanese Sedge | 31.74 | |
| 32 93 13 00-0184 | EA | 2 Gallon Carex hachijoensis - Variegated Japanese Sedge | 49.51 | |
| 32 93 13 00-0185 | EA | 1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf | 34.70 | |
| 32 93 13 00-0186 | EA | 2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena | 16.08 | |
| 32 93 13 00-0187 | EA | 1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena | 24.54 | |
| 32 93 13 00-0188 | EA | 48 Plant Flat Vinca minor - Lesser Periwinkle | 150.84 | |
| 32 93 13 00-0189 | EA | 3" Pot Parthenocissus quinquefolia - Virginia Creeper | 7.62 | |
| 32 93 13 00-0190 | EA | 1 Gallon Parthenocissus quinquefolia - Virginia Creeper | 39.78 | |
| 32 93 13 00-0191 | EA | 1 Gallon Jasminum polyanthum - Winter Jasmine | 30.47 | |
| 32 93 13 00-0192 | EA | 2 Gallon Jasminum polyanthum - Winter Jasmine | 60.93 | |
| 32 93 13 00-0193 | EA | 5 Gallon Jasminum polyanthum - Winter Jasmine | 105.79 | |
| 32 93 13 00-0194 | EA | 1 Gallon Cistaceae - Wrinkleleaf Rock Rose | 24.54 | |
| 32 93 13 00-0195 | EA | 5 Gallon Cistaceae - Wrinkleleaf Rock Rose | 83.78 | |
| 32 93 13 00-0196 | EA | 1 Gallon Acmispon galaber - Common Deerweed | 11.09 | |
| 32 93 13 00-0197 | EA | 1 Gallon Acacia redolens - Bank Catclaw | 4.60 | |
| 32 93 13 00-0198 | EA | 5 Gallon Acacia redolens - Bank Catclaw | 14.26 | |
| 32 93 13 00-0199 | EA | 15 Gallon Acacia redolens - Bank Catclaw | 55.46 | |
| 32 93 13 00-0200 | EA | 1 Gallon Achillea filipendulina - Fernleaf Yarrow | 6.81 | |
| 32 93 13 00-0201 | EA | 1 Gallon Achillea millefolium - Common Yarrow | 6.18 | |
| 32 93 13 00-0202 | EA | 5 Gallon Achillea millefolium - Common Yarrow | 19.02 | |
| 32 93 13 00-0203 | EA | 1 Gallon Achillea millefolium 'Paprika' - Red Yarrow | 6.81 | |
| 32 93 13 00-0204 | EA | 1 Gallon Achillea 'Moonshine' - Yellow yarrow | 6.81 | |
| 32 93 13 00-0205 | EA | 1 Gallon Agave americana - Century Plant | 9.35 | |
| 32 93 13 00-0206 | EA | 5 Gallon Agave americana - Century Plant | 25.36 | |
| 32 93 13 00-0207 | EA | 15 Gallon Agave americana - Century Plant | 77.65 | |
| 32 93 13 00-0208 | EA | 24" Box Agave americana - Century Plant | 277.32 | |
| 32 93 13 00-0209 | EA | 1 Gallon Agave vilmoriniana - Octopus Agave | 9.35 | |
| 32 93 13 00-0210 | EA | 5 Gallon Agave vilmoriniana - Octopus Agave | 25.36 | |
| 32 93 13 00-0211 | EA | 15 Gallon Agave vilmoriniana - Octopus Agave | 77.65 | |
| 32 93 13 00-0212 | EA | 24" Box Agave vilmoriniana - Octopus Agave | 277.32 | |
| 32 93 13 00-0213 | EA | 5 Gallon Nolina parryi - Giant Nolina | 25.36 | |

## 32 93 23 Plants and Bulbs *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of bulbs and annuals.

### 32 93 23 00-0001 Perennials *(32 93 23)*

| | | | | |
|---|---|---|---|---|
| 32 93 23 00-0002 | EA | 2 Quart Assorted Daylilies | 24.54 | |
| 32 93 23 00-0003 | EA | 1 Gallon Assorted Daylilies | 34.70 | |
| 32 93 23 00-0004 | EA | 2 Gallon Assorted Daylilies | 57.55 | |
| 32 93 23 00-0005 | EA | 1 Quart Azure Penstemon | 12.69 | |
| 32 93 23 00-0006 | EA | 1 Gallon Azure Penstemon | 31.74 | |
| 32 93 23 00-0007 | EA | 1 Quart Balloon Flower | 12.69 | |
| 32 93 23 00-0008 | EA | 1 Gallon Balloon Flower | 31.74 | |
| 32 93 23 00-0009 | EA | 1 Quart Black-eyed Susan | 12.69 | |
| 32 93 23 00-0010 | EA | 1 Gallon Black-eyed Susan | 31.74 | |
| 32 93 23 00-0011 | EA | 2 Gallon Black-eyed Susan | 41.05 | |
| 32 93 23 00-0012 | EA | 1 Quart Blackberry Lily | 12.69 | |
| 32 93 23 00-0013 | EA | 1 Gallon Blackberry Lily | 31.74 | |
| 32 93 23 00-0014 | EA | 1 Quart Blank Flower | 12.69 | |
| 32 93 23 00-0015 | EA | 1 Gallon Blank Flower | 29.20 | |
| 32 93 23 00-0016 | EA | 2 Gallon Blank Flower | 41.05 | |
| 32 93 23 00-0017 | EA | 1 Quart Blazing Star, Gayfeather | 12.69 | |
| 32 93 23 00-0018 | EA | 1 Gallon Blazing Star, Gayfeather | 31.74 | |
| 32 93 23 00-0019 | EA | 1 Quart Bloodred Geranium | 21.58 | |
| 32 93 23 00-0020 | EA | 1 Gallon Bloodred Geranium | 36.39 | |
| 32 93 23 00-0021 | EA | 1 Quart Blue Plumbago | 12.69 | |
| 32 93 23 00-0022 | EA | 1 Gallon Blue Plumbago | 31.74 | |
| 32 93 23 00-0023 | EA | 1 Quart Blue Star | 22.85 | |
| 32 93 23 00-0024 | EA | 1 Gallon Blue Star | 36.39 | |
| 32 93 23 00-0025 | EA | 1 Quart Cardinal Flower | 12.69 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 23 00-0026 | EA | 1 Gallon Cardinal Flower | 31.74 | |
| 32 93 23 00-0027 | EA | 4" Pot Columbine | 7.62 | |
| 32 93 23 00-0028 | EA | 1 Quart Columbine | 12.69 | |
| 32 93 23 00-0029 | EA | 1 Gallon Columbine | 31.74 | |
| 32 93 23 00-0030 | EA | 1 Quart Common Globeflower | 12.69 | |
| 32 93 23 00-0031 | EA | 1 Gallon Common Globeflower | 31.74 | |
| 32 93 23 00-0032 | EA | 1 Quart Cottage Pink, Scotch Pink | 12.69 | |
| 32 93 23 00-0033 | EA | 1 Quart Cottage Pink, Scotch Pink | 31.74 | |
| 32 93 23 00-0034 | EA | 1 Gallon Astilbe 'Deutschland' | 45.70 | |
| 32 93 23 00-0035 | EA | 1 Quart Diploid | 16.08 | |
| 32 93 23 00-0036 | EA | 1 Gallon Diploid | 36.39 | |
| 32 93 23 00-0037 | EA | 3 Gallon Diploid | 62.63 | |
| 32 93 23 00-0038 | EA | 4" Pot Dune Sunflower | 18.12 | |
| 32 93 23 00-0039 | EA | 1 Quart Evans Begonia | 22.85 | |
| 32 93 23 00-0040 | EA | 1 Gallon Evans Begonia | 41.05 | |
| 32 93 23 00-0041 | EA | 1 Quart False Dragonhead | 12.69 | |
| 32 93 23 00-0042 | EA | 1 Gallon False Dragonhead | 31.74 | |
| 32 93 23 00-0043 | EA | 1 Quart False Spirea | 12.69 | |
| 32 93 23 00-0044 | EA | 1 Gallon False Spirea | 41.05 | |
| 32 93 23 00-0045 | EA | 3 Gallon False Spirea | 56.70 | |
| 32 93 23 00-0046 | EA | 2 Quart False Sunflower | 20.31 | |
| 32 93 23 00-0047 | EA | 1 Gallon False Sunflower | 31.74 | |
| 32 93 23 00-0048 | EA | 2 Gallon False Sunflower | 41.05 | |
| 32 93 23 00-0049 | EA | 1 Gallon Foxglove | 29.20 | |
| 32 93 23 00-0050 | EA | 2 Gallon Foxglove | 41.05 | |
| 32 93 23 00-0051 | EA | 3 Gallon Foxglove | 59.24 | |
| 32 93 23 00-0052 | EA | 1 Gallon Francee Hostas | 51.39 | |
| 32 93 23 00-0053 | EA | 1 Quart Garden Phlox | 12.69 | |
| 32 93 23 00-0054 | EA | 1 Gallon Garden Phlox | 31.74 | |
| 32 93 23 00-0055 | EA | 2 Quart Golden Groundsel | 27.08 | |
| 32 93 23 00-0056 | EA | 2 Gallon Golden Groundsel | 54.59 | |
| 32 93 23 00-0057 | EA | 1 Quart Golden Star | 12.69 | |
| 32 93 23 00-0058 | EA | 1 Gallon Golden Star | 31.74 | |
| 32 93 23 00-0059 | EA | 1 Quart Goldenrod | 12.69 | |
| 32 93 23 00-0060 | EA | 1 Gallon Goldenrod | 31.74 | |
| 32 93 23 00-0061 | EA | 1 Gallon Happy Returns Daylillies | 59.10 | |
| 32 93 23 00-0062 | EA | 4" Pot Hardy Aster, Michaelmas Daisy | 7.62 | |
| 32 93 23 00-0063 | EA | 1 Quart Hardy Aster, Michaelmas Daisy | 12.69 | |
| 32 93 23 00-0064 | EA | 1 Gallon Hardy Aster, Michaelmas Daisy | 31.74 | |
| 32 93 23 00-0065 | EA | 1 Quart Hardy Chrysanthemum | 11.01 | |
| 32 93 23 00-0066 | EA | 6" To 8" Pot Hardy Chrysanthemum | 18.20 | |
| 32 93 23 00-0067 | EA | 1 Gallon Hardy Chrysanthemum | 29.20 | |
| 32 93 23 00-0068 | EA | 1 Gallon Herbaceous Peony | 45.28 | |
| 32 93 23 00-0069 | EA | 2 Gallon Herbaceous Peony | 72.36 | |
| 32 93 23 00-0070 | EA | 3 Gallon Herbaceous Peony | 95.21 | |
| 32 93 23 00-0071 | EA | 4" Pot Japanese Anemone | 7.62 | |
| 32 93 23 00-0072 | EA | 1 Quart Japanese Anemone | 22.85 | |
| 32 93 23 00-0073 | EA | 2 Gallon Japanese Anemone | 41.05 | |
| 32 93 23 00-0074 | EA | 2" Pot Japanese Spurge | 4.51 | |
| 32 93 23 00-0075 | EA | 6" Pot Japanese Spurge | 6.77 | |
| 32 93 23 00-0076 | EA | 1 Gallon Japanese Spurge | 29.15 | |
| 32 93 23 00-0077 | EA | 1 Quart Oriental Poppy | 18.20 | |
| 32 93 23 00-0078 | EA | 1 Gallon Oriental Poppy | 36.39 | |
| 32 93 23 00-0079 | EA | 48 Plant Flat Pachysandra terminalis | 150.84 | |
| 32 93 23 00-0080 | EA | 1 Gallon Pacific Coast Iris | 24.97 | |
| 32 93 23 00-0081 | EA | 3 Gallon Pacific Coast Iris | 47.40 | |
| 32 93 23 00-0082 | EA | 1 Gallon Palace Purple Coral Bells | 48.05 | |
| 32 93 23 00-0083 | EA | 4" Pot Perennial Salvia | 7.62 | |
| 32 93 23 00-0084 | EA | 1 Quart Perennial Salvia | 12.69 | |
| 32 93 23 00-0085 | EA | 1 Gallon Perennial Salvia | 31.74 | |
| 32 93 23 00-0086 | EA | 1 Quart Pincushion Flower | 12.69 | |
| 32 93 23 00-0087 | EA | 1 Gallon Pincushion Flower | 31.74 | |
| 32 93 23 00-0088 | EA | 2 Quart Plantain Lily | 24.54 | |
| 32 93 23 00-0089 | EA | 1 Gallon Plantain Lily | 34.70 | |
| 32 93 23 00-0090 | EA | 2 Gallon Plantain Lily | 57.55 | |
| 32 93 23 00-0091 | EA | 3 Gallon Plantain Lily | 108.76 | |
| 32 93 23 00-0092 | EA | 2 Quart Purple Coneflower | 22.85 | |
| 32 93 23 00-0093 | EA | 1 Gallon Purple Coneflower | 31.74 | |
| 32 93 23 00-0094 | EA | 2 Gallon Purple Coneflower | 41.05 | |
| 32 93 23 00-0095 | EA | 1 Quart Purple Loosestrife | 12.69 | |
| 32 93 23 00-0096 | EA | 1 Gallon Purple Loosestrife | 31.74 | |
| 32 93 23 00-0097 | EA | 1 Quart Rose Mallow | 24.97 | |
| 32 93 23 00-0098 | EA | 2 Gallon Rose Mallow | 45.28 | |
| 32 93 23 00-0099 | EA | 3 Gallon Rose Mallow | 77.44 | |
| 32 93 23 00-0100 | EA | 1 Gallon Autumn Joy Sedum | 48.39 | |
| 32 93 23 00-0101 | EA | 1 Quart Siberian Iris | 21.58 | |
| 32 93 23 00-0102 | EA | 2 Gallon Siberian Iris | 41.05 | |
| 32 93 23 00-0103 | EA | 3 Gallon Siberian Iris | 56.70 | |
| 32 93 23 00-0104 | EA | 1 Quart Speedwell | 12.69 | |
| 32 93 23 00-0105 | EA | 1 Gallon Speedwell | 31.74 | |
| 32 93 23 00-0106 | EA | 1 Quart Tetraploid | 31.74 | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 23 00-0107 | EA | 1 Gallon Tetraploid | 59.24 | |
| 32 93 23 00-0108 | EA | 3 Gallon Tetraploid | 80.83 | |
| 32 93 23 00-0109 | EA | 1 Quart Threadleaf Coreopsis | 12.69 | |
| 32 93 23 00-0110 | EA | 1 Gallon Threadleaf Coreopsis | 31.74 | |
| 32 93 23 00-0111 | EA | 1 Quart Torch Lily | 12.69 | |
| 32 93 23 00-0112 | EA | 1 Quart Bluebeard | 22.85 | |
| 32 93 23 00-0113 | EA | 1 Gallon Bluebeard | 33.86 | |
| 32 93 23 00-0114 | EA | 2 Gallon Bluebeard | 49.51 | |
| 32 93 23 00-0115 | EA | 1 Gallon Anemopsis californica - Yerba Mansa | 13.01 | |
| 32 93 23 00-0116 | EA | 1 Gallon Artemisia palmeri - San Diego Sagewort | 11.56 | |
| 32 93 23 00-0117 | EA | 1 Gallon Arthrocnemum subterminale - Parish's Pickleweed | 14.46 | |
| 32 93 23 00-0118 | EA | 1 Gallon Cressa truxillensis - Alkali Weed | 14.46 | |
| 32 93 23 00-0119 | EA | 1 Gallon Frankenia salina - Alkali Heath | 11.56 | |
| 32 93 23 00-0120 | EA | 4" Pot Jaumea carnosa - Salt Marsh Daisy | 5.79 | |
| 32 93 23 00-0121 | EA | 1 Gallon Jaumea carnosa - Salt Marsh Daisy | 11.58 | |
| 32 93 23 00-0122 | EA | 1 Gallon Juncus acutus - Spiny Rush | 11.56 | |
| 32 93 23 00-0123 | EA | 5 Gallon Juncus acutus - Spiny Rush | 30.25 | |
| 32 93 23 00-0124 | EA | 1 Gallon Limonium californicum - Sea Lavender | 11.56 | |
| 32 93 23 00-0125 | EA | 1 Gallon Salicornia virginica - Deer Weed | 11.56 | |
| 32 93 23 00-0126 | EA | 1 Gallon Suaeda esteroa - Sea Blite | 14.46 | |
| 32 93 23 00-0127 | EA | 1 Gallon Suaeda taxifolia - Wooly Sea Blite | 11.56 | |
| **32 93 23 00-0128** | | **Annuals** *(32 93 23)* | | |
| 32 93 23 00-0129 | EA | 2-1/2" Pot Annual Flowers | 5.89 | |
| 32 93 23 00-0130 | EA | 3" Pot Annual Flowers | 7.97 | |
| 32 93 23 00-0131 | EA | 4" Pot Annual Flowers | 17.03 | |
| 32 93 23 00-0132 | EA | 5-1/2" Pot Annual Flowers | 22.65 | |
| 32 93 23 00-0133 | EA | 6" Pot Annual Flowers | 44.84 | |
| 32 93 23 00-0134 | EA | 8" Pot Annual Flowers | 74.74 | |
| 32 93 23 00-0135 | EA | 36 Plant Flat Annual Flowers | 97.84 | |
| 32 93 23 00-0136 | EA | 48 Plant Flat Annual Flowers | 110.98 | |
| **32 93 23 00-0137** | | **Bulbs** *(32 93 23)* | | |
| 32 93 23 00-0138 | EA | Top Size Allium giganteum - Giant Ornamental Onion | 20.48 | |
| 32 93 23 00-0139 | EA | Top Size Allium sphaerocephalum - Drumstick Ornamental Onion | 1.18 | |
| 32 93 23 00-0140 | EA | Top Size Crocus Hybrid | 1.34 | |
| 32 93 23 00-0141 | EA | Top Size Eranthis hyemalis - Winter Aconite | 1.73 | |
| 32 93 23 00-0142 | EA | Top Size Galanthus nivalis - Snowdrops | 2.21 | |
| 32 93 23 00-0143 | EA | Top Size Iris reticulata cvs - Dutch Iris | 0.87 | |
| 32 93 23 00-0144 | EA | Top Size Muscari armeniacum - Grape Hyacinth | 1.02 | |
| 32 93 23 00-0145 | EA | Top Size Muscari latifolium - Grape Hyacinth | 1.18 | |
| 32 93 23 00-0146 | EA | Narcissus 'Carlton' - Carlton Daffodil DNI | 7.09 | |
| 32 93 23 00-0147 | EA | Narcissus 'Dutch Master' - Dutch Master Daffodil DNI | 3.39 | |
| 32 93 23 00-0148 | EA | Narcissus 'February Gold' - February Gold Daffodil DNI | 3.54 | |
| 32 93 23 00-0149 | EA | Narcissus 'Ice Follies' - Ice Follies Daffodil DNI | 3.54 | |
| 32 93 23 00-0150 | EA | Narcissus 'Mount Hood' - Mount Hood Daffodil DNI | 3.70 | |
| 32 93 23 00-0151 | EA | Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI | 3.94 | |
| 32 93 23 00-0152 | EA | Narcissus 'Pipit' - Pipit Daffodil DNI | 3.70 | |
| 32 93 23 00-0153 | EA | Narcissus 'Salome' - Salome Daffodil DNI | 3.47 | |
| 32 93 23 00-0154 | EA | Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI | 3.70 | |
| 32 93 23 00-0155 | EA | Narcissus 'Thalia' - Thalia Daffodil DNI | 3.70 | |
| 32 93 23 00-0156 | EA | Top Size Scilla siberica - Siberian Squill | 1.10 | |
| 32 93 23 00-0157 | EA | Top Size Tulip 'Angelique' - Angelique Tulip | 3.15 | |
| 32 93 23 00-0158 | EA | Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip | 2.36 | |
| 32 93 23 00-0159 | EA | Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip | 3.15 | |
| 32 93 23 00-0160 | EA | Top Size Tulip 'Big Smile' - Big Smile Tulip | 2.76 | |
| 32 93 23 00-0161 | EA | Top Size Tulip 'Black Parrot' - Black Parrot Tulip | 3.94 | |
| 32 93 23 00-0162 | EA | Top Size Tulip 'Blue Heron' - Blue Heron Tulip | 2.99 | |
| 32 93 23 00-0163 | EA | Top Size Tulip 'Cardinal' - Cardinal Tulip | 2.60 | |
| 32 93 23 00-0164 | EA | Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip | 2.91 | |
| 32 93 23 00-0165 | EA | Top Size Tulip clusiana - Species Tulip | 2.91 | |
| 32 93 23 00-0166 | EA | Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip | 2.91 | |
| 32 93 23 00-0167 | EA | Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip | 2.36 | |
| 32 93 23 00-0168 | EA | Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip | 2.28 | |
| 32 93 23 00-0169 | EA | Top Size Tulip 'Halcro' - Halcro Tulip | 2.36 | |
| 32 93 23 00-0170 | EA | Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip | 3.94 | |
| 32 93 23 00-0171 | EA | Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip | 2.36 | |
| 32 93 23 00-0172 | EA | Top Size Tulip 'Passionale' - Passionale Tulip | 3.15 | |
| 32 93 23 00-0173 | EA | Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip | 3.39 | |
| 32 93 23 00-0174 | EA | Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip | 3.54 | |
| 32 93 23 00-0175 | EA | Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip | 2.84 | |
| 32 93 23 00-0176 | EA | Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip | 2.68 | |
| 32 93 23 00-0177 | EA | Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip | 2.91 | |
| 32 93 23 00-0178 | EA | Top Size Tulip 'Princeps' - Princeps Tulip | 2.91 | |
| 32 93 23 00-0179 | EA | Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip | 2.28 | |
| 32 93 23 00-0180 | EA | Top Size Tulip saxatilis - Species Tulip | 1.58 | |
| 32 93 23 00-0181 | EA | Top Size Tulip 'Shirley - Shirley Tulip | 2.36 | |
| 32 93 23 00-0182 | EA | Top Size Tulip 'Spring Green' - Spring Green Tulip | 3.07 | |
| 32 93 23 00-0183 | EA | Top Size Tulip 'White Emperor' - White Emperor Tulip | 2.36 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **32 93 33** | | **Shrubs** *(32 93)* Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0038 for installation and planting of shurbs. | | |
| 32 93 33 00-0001 | | Shrubs *(32 93 33)* | | |
| 32 93 33 00-0002 | EA | 1 Gallon Abelia x grandiflora - Abelia | 21.60 | |
| 32 93 33 00-0003 | EA | 3 Gallon Abelia x grandiflora - Abelia | 43.99 | |
| 32 93 33 00-0004 | EA | 5 Gallon Abelia x grandiflora - Abelia | 84.44 | |
| 32 93 33 00-0005 | EA | 3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye | 101.16 | |
| 32 93 33 00-0006 | EA | 18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye | 147.84 | |
| 32 93 33 00-0007 | EA | 24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye | 164.96 | |
| 32 93 33 00-0008 | EA | 30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye | 208.54 | |
| 32 93 33 00-0009 | EA | 36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye | 231.88 | |
| 32 93 33 00-0010 | EA | 18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye | 46.69 | |
| 32 93 33 00-0011 | EA | 24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye | 62.25 | |
| 32 93 33 00-0012 | EA | 30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye | 77.81 | |
| 32 93 33 00-0013 | EA | 36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry | 42.46 | |
| 32 93 33 00-0014 | EA | 42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry | 49.95 | |
| 32 93 33 00-0015 | EA | 48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry | 59.94 | |
| 32 93 33 00-0016 | EA | 60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry | 69.93 | |
| 32 93 33 00-0017 | EA | 72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry | 84.92 | |
| 32 93 33 00-0018 | EA | 36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry | 41.21 | |
| 32 93 33 00-0019 | EA | 42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry | 43.71 | |
| 32 93 33 00-0020 | EA | 48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry | 46.21 | |
| 32 93 33 00-0021 | EA | 60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry | 52.45 | |
| 32 93 33 00-0022 | EA | 36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry | 41.84 | |
| 32 93 33 00-0023 | EA | 42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry | 44.33 | |
| 32 93 33 00-0024 | EA | 48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry | 46.83 | |
| 32 93 33 00-0025 | EA | 60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry | 49.33 | |
| 32 93 33 00-0026 | EA | 1 Gallon Aspidistra elatior - Cast Iron Plant | 8.59 | |
| 32 93 33 00-0027 | EA | 2 Gallon Aspidistra elatior - Cast Iron Plant | 19.86 | |
| 32 93 33 00-0028 | EA | 1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush | 9.61 | |
| 32 93 33 00-0029 | EA | 5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush | 23.78 | |
| 32 93 33 00-0030 | EA | 1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush | 9.61 | |
| 32 93 33 00-0031 | EA | 5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush | 23.78 | |
| 32 93 33 00-0032 | EA | 1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant | 10.06 | |
| 32 93 33 00-0033 | EA | 3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant | 22.14 | |
| 32 93 33 00-0034 | EA | 5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant | 29.92 | |
| 32 93 33 00-0035 | EA | 1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush | 10.73 | |
| 32 93 33 00-0036 | EA | 2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush | 15.70 | |
| 32 93 33 00-0037 | EA | 15" To 18" Berberis - Northern Bayberry | 44.81 | |
| 32 93 33 00-0038 | EA | 2' To 2-1/2' Berberis - Northern Bayberry | 56.88 | |
| 32 93 33 00-0039 | EA | 2-1/2' To 3' Berberis - Northern Bayberry | 79.69 | |
| 32 93 33 00-0040 | EA | 1 Gallon Berberis Buxifolia 'Nana' - Barberry | 10.85 | |
| 32 93 33 00-0041 | EA | 5 Gallon Berberis Buxifolia 'Nana' - Barberry | 26.15 | |
| 32 93 33 00-0042 | EA | 18" To 24" Berberis julianae - Dwarf Wintergreen Barberry | 47.89 | |
| 32 93 33 00-0043 | EA | 2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry | 61.31 | |
| 32 93 33 00-0044 | EA | 2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry | 78.35 | |
| 32 93 33 00-0045 | EA | 1 Gallon Berberis thunbergii - Crimson Pygmy Barberry | 12.88 | |
| 32 93 33 00-0046 | EA | 2 Gallon Berberis thunbergii - Crimson Pygmy Barberry | 25.36 | |
| 32 93 33 00-0047 | EA | 3 Gallon Berberis thunbergii - Crimson Pygmy Barberry | 30.99 | |
| 32 93 33 00-0048 | EA | 1 Gallon Berberis x mentorensis - Mentor Barberry | 12.21 | |
| 32 93 33 00-0049 | EA | 5 Gallon Berberis x mentorensis - Mentor Barberry | 34.48 | |
| 32 93 33 00-0050 | EA | 2' To 3' Berberis x mentorensis - Mentor Barberry | 47.89 | |
| 32 93 33 00-0051 | EA | 3' To 4' Berberis x mentorensis - Mentor Barberry | 73.92 | |
| 32 93 33 00-0052 | EA | 1 Gallon Buxus microphylla japonica - Japanese Boxwood | 13.95 | |
| 32 93 33 00-0053 | EA | 5 Gallon Buxus microphylla japonica - Japanese Boxwood | 37.43 | |
| 32 93 33 00-0054 | EA | 12" To 15" Buxus microphylla japonica - Japanese Boxwood | 39.85 | |
| 32 93 33 00-0055 | EA | 15" To 18" Buxus microphylla japonica - Japanese Boxwood | 51.25 | |
| 32 93 33 00-0056 | EA | 18" To 24" Buxus microphylla japonica - Japanese Boxwood | 68.29 | |
| 32 93 33 00-0057 | EA | 24" To 30" Buxus microphylla japonica - Japanese Boxwood | 102.50 | |
| 32 93 33 00-0058 | EA | 30" To 36" Buxus microphylla japonica - Japanese Boxwood | 142.34 | |
| 32 93 33 00-0059 | EA | 12" To 15" Buxus sempervirens - Common Boxwood | 39.85 | |
| 32 93 33 00-0060 | EA | 15" To 18" Buxus sempervirens - Common Boxwood | 51.25 | |
| 32 93 33 00-0061 | EA | 18" To 24" Buxus sempervirens - Common Boxwood | 68.29 | |
| 32 93 33 00-0062 | EA | 24" To 30" Buxus sempervirens - Common Boxwood | 102.50 | |
| 32 93 33 00-0063 | EA | 2 Gallon Buxus Hybrid - Boxwood Cultivars | 26.23 | |
| 32 93 33 00-0064 | EA | 5 Gallon Buxus Hybrid - Boxwood Cultivars | 43.71 | |
| 32 93 33 00-0065 | EA | 5 Gallon Buxus microphylla & cvs - Little leaf Boxwood | 114.89 | |
| 32 93 33 00-0066 | EA | 18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood | 62.44 | |
| 32 93 33 00-0067 | EA | 24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood | 84.92 | |
| 32 93 33 00-0068 | EA | 30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood | 114.89 | |
| 32 93 33 00-0069 | EA | 1 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush | 6.18 | |
| 32 93 33 00-0070 | EA | 5 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush | 19.02 | |
| 32 93 33 00-0071 | EA | 15 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush | 61.80 | |
| 32 93 33 00-0072 | EA | 5 Gallon Calycanthus floridus - Common Sweetshrub | 41.21 | |
| 32 93 33 00-0073 | EA | 30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub | 37.46 | |
| 32 93 33 00-0074 | EA | 36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub | 49.95 | |
| 32 93 33 00-0075 | EA | 1 Gallon Camellia "Sasanqua" - Camellia | 16.00 | |
| 32 93 33 00-0076 | EA | 3 Gallon Camellia "Sasanqua" - Camellia | 34.13 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 33 00-0077 | EA | 5 Gallon Camellia "Sasanqua" - Camellia | 56.75 | |
| 32 93 33 00-0078 | EA | 7 Gallon Camellia "Sasanqua" - Camellia | 84.50 | |
| 32 93 33 00-0079 | EA | 15 Gallon Camellia "Sasanqua" - Camellia | 219.24 | |
| 32 93 33 00-0080 | EA | 1 Gallon Camellia japonica - Camellia | 16.00 | |
| 32 93 33 00-0081 | EA | 3 Gallon Camellia japonica - Camellia | 34.13 | |
| 32 93 33 00-0082 | EA | 5 Gallon Camellia japonica - Camellia | 56.75 | |
| 32 93 33 00-0083 | EA | 5 Gallon Ceanothus americanus - New Jersey Tea | 41.21 | |
| 32 93 33 00-0084 | EA | 1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus | 10.85 | |
| 32 93 33 00-0085 | EA | 5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus | 28.22 | |
| 32 93 33 00-0086 | EA | 5 Gallon Celastrus scandens - Bittersweet | 41.21 | |
| 32 93 33 00-0087 | EA | 36" Balled and Burlapped, Celastrus scandens - Bittersweet | 34.97 | |
| 32 93 33 00-0088 | EA | 5 Gallon Cephalanthus occidentalis - Buttonbush | 41.21 | |
| 32 93 33 00-0089 | EA | 24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush | 31.22 | |
| 32 93 33 00-0090 | EA | 30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush | 34.97 | |
| 32 93 33 00-0091 | EA | 36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush | 37.46 | |
| 32 93 33 00-0092 | EA | 18" To 24" Chaenomeles speciosa - Flowering Quince | 35.95 | |
| 32 93 33 00-0093 | EA | 2' To 3' Chaenomeles speciosa - Flowering Quince | 47.89 | |
| 32 93 33 00-0094 | EA | 3' To 4' Chaenomeles speciosa - Flowering Quince | 73.92 | |
| 32 93 33 00-0095 | EA | 3 Gallon Clethra alnifolia & cvs - Summersweet Clethra | 39.96 | |
| 32 93 33 00-0096 | EA | 18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra | 43.08 | |
| 32 93 33 00-0097 | EA | 24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra | 48.08 | |
| 32 93 33 00-0098 | EA | 30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra | 50.58 | |
| 32 93 33 00-0099 | EA | 36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra | 59.32 | |
| 32 93 33 00-0100 | EA | 1 Gallon Cistus Hybridus - White Rockrose | 9.61 | |
| 32 93 33 00-0101 | EA | 5 Gallon Cistus Hybridus - White Rockrose | 23.78 | |
| 32 93 33 00-0102 | EA | 1 Gallon Coleonema Pulchellum - Confetti Bush | 9.61 | |
| 32 93 33 00-0103 | EA | 5 Gallon Coleonema Pulchellum - Confetti Bush | 23.78 | |
| 32 93 33 00-0104 | EA | 15 Gallon Coleonema Pulchellum - Confetti Bush | 111.33 | |
| 32 93 33 00-0105 | EA | 2' To 3' Cornus mas - Cornelian Cherry | 56.88 | |
| 32 93 33 00-0106 | EA | 3' To 4' Cornus mas - Cornelian Cherry | 71.10 | |
| 32 93 33 00-0107 | EA | 4' To 5' Cornus mas - Cornelian Cherry | 91.10 | |
| 32 93 33 00-0108 | EA | 5' To 6' Cornus mas - Cornelian Cherry | 125.17 | |
| 32 93 33 00-0109 | EA | 5 Gallon Cornus alba & cvs - Tartarian Dogwood | 37.46 | |
| 32 93 33 00-0110 | EA | 36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood | 26.23 | |
| 32 93 33 00-0111 | EA | 48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood | 29.97 | |
| 32 93 33 00-0112 | EA | 60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood | 37.46 | |
| 32 93 33 00-0113 | EA | 72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood | 44.96 | |
| 32 93 33 00-0114 | EA | 36" Balled and Burlapped, Cornus amomum - Silky Dogwood | 37.46 | |
| 32 93 33 00-0115 | EA | 5 Gallon Cornus obliqua - Blue Fruited Dogwood | 41.21 | |
| 32 93 33 00-0116 | EA | 5 Gallon Cornus racemosa - Gray Dogwood | 41.21 | |
| 32 93 33 00-0117 | EA | 36" Balled and Burlapped, Cornus racemosa - Gray Dogwood | 37.46 | |
| 32 93 33 00-0118 | EA | 48" Balled and Burlapped, Cornus racemosa - Gray Dogwood | 43.71 | |
| 32 93 33 00-0119 | EA | 60" Balled and Burlapped, Cornus racemosa - Gray Dogwood | 47.46 | |
| 32 93 33 00-0120 | EA | 72" Balled and Burlapped, Cornus racemosa - Gray Dogwood | 57.45 | |
| 32 93 33 00-0121 | EA | 36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood | 40.59 | |
| 32 93 33 00-0122 | EA | 48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood | 45.58 | |
| 32 93 33 00-0123 | EA | 60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood | 51.83 | |
| 32 93 33 00-0124 | EA | 24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood | 32.47 | |
| 32 93 33 00-0125 | EA | 30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood | 37.46 | |
| 32 93 33 00-0126 | EA | 36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood | 39.96 | |
| 32 93 33 00-0127 | EA | 48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood | 43.71 | |
| 32 93 33 00-0128 | EA | 60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood | 48.70 | |
| 32 93 33 00-0129 | EA | 5 Gallon Corylus americana - American Filbert | 38.71 | |
| 32 93 33 00-0130 | EA | 30" Balled and Burlapped, Corylus americana - American Filbert | 43.71 | |
| 32 93 33 00-0131 | EA | 36" Balled and Burlapped, Corylus americana - American Filbert | 46.83 | |
| 32 93 33 00-0132 | EA | 48" Balled and Burlapped, Corylus americana - American Filbert | 50.58 | |
| 32 93 33 00-0133 | EA | 24" Balled and Burlapped, Corylus avellena - Contorted Hazelnut | 124.88 | |
| 32 93 33 00-0134 | EA | 30" Balled and Burlapped, Corylus avellena - Contorted Hazelnut | 162.35 | |
| 32 93 33 00-0135 | EA | 36" Balled and Burlapped, Corylus avellena - Contorted Hazelnut | 174.84 | |
| 32 93 33 00-0136 | EA | 42" Balled and Burlapped, Corylus avellena - Contorted Hazelnut | 224.79 | |
| 32 93 33 00-0137 | EA | 48" Balled and Burlapped, Corylus avellena - Contorted Hazelnut | 274.74 | |
| 32 93 33 00-0138 | EA | 60" Balled and Burlapped, Corylus avellena - Contorted Hazelnut | 312.21 | |
| 32 93 33 00-0139 | EA | 5' To 6' Cotinus coggygria - Smoke Tree | 119.54 | |
| 32 93 33 00-0140 | EA | 6' To 8' Cotinus coggygria - Smoke Tree | 179.24 | |
| 32 93 33 00-0141 | EA | 8' To 10' Cotinus coggygria - Smoke Tree | 270.33 | |
| 32 93 33 00-0142 | EA | 5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster | 31.22 | |
| 32 93 33 00-0143 | EA | 18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster | 31.22 | |
| 32 93 33 00-0144 | EA | 24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster | 32.47 | |
| 32 93 33 00-0145 | EA | 12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster | 29.92 | |
| 32 93 33 00-0146 | EA | 3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster | 32.47 | |
| 32 93 33 00-0147 | EA | 18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster | 31.22 | |
| 32 93 33 00-0148 | EA | 24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster | 32.47 | |
| 32 93 33 00-0149 | EA | 1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster | 12.88 | |
| 32 93 33 00-0150 | EA | 2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster | 39.85 | |
| 32 93 33 00-0151 | EA | 3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster | 53.80 | |
| 32 93 33 00-0152 | EA | 4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster | 91.09 | |
| 32 93 33 00-0153 | EA | 1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster | 9.61 | |
| 32 93 33 00-0154 | EA | 5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster | 23.78 | |
| 32 93 33 00-0155 | EA | 1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster | 12.88 | |
| 32 93 33 00-0156 | EA | 2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster | 25.36 | |
| 32 93 33 00-0157 | EA | 1 Gallon Cotoneaster lacteus - Red Clusterberry | 9.61 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 33 00-0158 | EA | 5 Gallon Cotoneaster lacteus - Red Clusterberry | 23.78 | |
| 32 93 33 00-0159 | EA | 15 Gallon Cotoneaster lacteus - Red Clusterberry | 94.38 | |
| 32 93 33 00-0160 | EA | 1 Gallon Dendromecon harfordii - Island Bush Poppy | 15.85 | |
| 32 93 33 00-0161 | EA | 5 Gallon Dendromecon harfordii - Island Bush Poppy | 39.62 | |
| 32 93 33 00-0162 | EA | 18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia | 31.85 | |
| 32 93 33 00-0163 | EA | 24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia | 34.97 | |
| 32 93 33 00-0164 | EA | 30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia | 44.96 | |
| 32 93 33 00-0165 | EA | 36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia | 52.45 | |
| 32 93 33 00-0166 | EA | 42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia | 59.94 | |
| 32 93 33 00-0167 | EA | 24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle | 49.95 | |
| 32 93 33 00-0168 | EA | 30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle | 59.94 | |
| 32 93 33 00-0169 | EA | 36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle | 69.93 | |
| 32 93 33 00-0170 | EA | 2 Gallon Diervilla splendens - Splendens Bush Honeysuckle | 18.73 | |
| 32 93 33 00-0171 | EA | 36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle | 44.96 | |
| 32 93 33 00-0172 | EA | 48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle | 59.94 | |
| 32 93 33 00-0173 | EA | 1 Gallon Elaeagnus - Silverberry | 11.49 | |
| 32 93 33 00-0174 | EA | 3 Gallon Elaeagnus - Silverberry | 22.98 | |
| 32 93 33 00-0175 | EA | 5 Gallon Elaeagnus - Silverberry | 31.60 | |
| 32 93 33 00-0176 | EA | 3' To 4' Elaeagnus umbellata - Autumn Olive | 37.30 | |
| 32 93 33 00-0177 | EA | 4' To 5' Elaeagnus umbellata - Autumn Olive | 51.25 | |
| 32 93 33 00-0178 | EA | 5' To 6' Elaeagnus umbellata - Autumn Olive | 61.31 | |
| 32 93 33 00-0179 | EA | 3' To 4' Elaeagnus angustiflolia - Russian Olive | 59.70 | |
| 32 93 33 00-0180 | EA | 1 Gallon Euonymus - Gold Spot | 10.73 | |
| 32 93 33 00-0181 | EA | 2 Gallon Euonymus - Gold Spot | 22.54 | |
| 32 93 33 00-0182 | EA | 5 Gallon Euonymus - Gold Spot | 30.99 | |
| 32 93 33 00-0183 | EA | 1 Gallon Euonymus alatus - Winged Euonymus | 9.16 | |
| 32 93 33 00-0184 | EA | 3 Gallon Euonymus alatus - Winged Euonymus | 26.43 | |
| 32 93 33 00-0185 | EA | 24" Balled and Burlapped, Euonymus alatus - Winged Euonymus | 35.62 | |
| 32 93 33 00-0186 | EA | 30" Balled and Burlapped, Euonymus alatus - Winged Euonymus | 44.52 | |
| 32 93 33 00-0187 | EA | 36" Balled and Burlapped, Euonymus alatus - Winged Euonymus | 61.18 | |
| 32 93 33 00-0188 | EA | 42" Balled and Burlapped, Euonymus alatus - Winged Euonymus | 75.54 | |
| 32 93 33 00-0189 | EA | 48" Balled and Burlapped, Euonymus alatus - Winged Euonymus | 89.04 | |
| 32 93 33 00-0190 | EA | 54" Balled and Burlapped, Euonymus alatus - Winged Euonymus | 114.89 | |
| 32 93 33 00-0191 | EA | 5 Gallon Euonymus alatus - Winged Euonymus | 33.03 | |
| 32 93 33 00-0192 | EA | 60" Balled and Burlapped, Euonymus alatus - Winged Euonymus | 143.62 | |
| 32 93 33 00-0193 | EA | 30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus | 56.20 | |
| 32 93 33 00-0194 | EA | 36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus | 66.81 | |
| 32 93 33 00-0195 | EA | 42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus | 87.42 | |
| 32 93 33 00-0196 | EA | 48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus | 104.90 | |
| 32 93 33 00-0197 | EA | 60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus | 129.88 | |
| 32 93 33 00-0198 | EA | 18" To 24" Euonymus alatus - Winged Burning Bush | 39.85 | |
| 32 93 33 00-0199 | EA | 2' To 2-1/2' Euonymus alatus - Winged Burning Bush | 46.96 | |
| 32 93 33 00-0200 | EA | 2-1/2' To 3' Euonymus alatus - Winged Burning Bush | 64.13 | |
| 32 93 33 00-0201 | EA | 3' To 3-1/2' Euonymus alatus - Winged Burning Bush | 76.87 | |
| 32 93 33 00-0202 | EA | 3-1/2 To 4' Euonymus alatus - Winged Burning Bush | 96.73 | |
| 32 93 33 00-0203 | EA | 4' To 5' Euonymus alatus - Winged Burning Bush | 136.57 | |
| 32 93 33 00-0204 | EA | 5' To 6' Euonymus alatus - Winged Burning Bush | 170.78 | |
| 32 93 33 00-0205 | EA | 6' To 8' Euonymus alatus - Winged Burning Bush | 199.23 | |
| 32 93 33 00-0206 | EA | 15" To 18" Euonymus alatus - Dwarf Winged Burning Bush | 39.85 | |
| 32 93 33 00-0207 | EA | 18" To 24" Euonymus alatus - Dwarf Winged Burning Bush | 45.48 | |
| 32 93 33 00-0208 | EA | 2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush | 55.54 | |
| 32 93 33 00-0209 | EA | 2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush | 78.35 | |
| 32 93 33 00-0210 | EA | 3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush | 92.57 | |
| 32 93 33 00-0211 | EA | 3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush | 110.95 | |
| 32 93 33 00-0212 | EA | 4' To 5' Euonymus alatus - Dwarf Winged Burning Bush | 156.56 | |
| 32 93 33 00-0213 | EA | 5' To 6' Euonymus alatus - Dwarf Winged Burning Bush | 185.00 | |
| 32 93 33 00-0214 | EA | 36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo | 33.72 | |
| 32 93 33 00-0215 | EA | 1 Gallon Euonymus fortunei - Wintercreeper | 12.88 | |
| 32 93 33 00-0216 | EA | 2 Gallon Euonymus fortunei - Wintercreeper | 25.36 | |
| 32 93 33 00-0217 | EA | 3 Gallon Euonymus fortunei - Wintercreeper | 30.99 | |
| 32 93 33 00-0218 | EA | 5 Gallon Euonymus fortunei - Wintercreeper | 36.76 | |
| 32 93 33 00-0219 | EA | 2' To 3' Forsythia - Korean Forsythia | 28.44 | |
| 32 93 33 00-0220 | EA | 3' To 4' Forsythia - Korean Forsythia | 35.96 | |
| 32 93 33 00-0221 | EA | 4' To 5' Forsythia - Korean Forsythia | 44.81 | |
| 32 93 33 00-0222 | EA | 30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars | 28.72 | |
| 32 93 33 00-0223 | EA | 36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars | 31.85 | |
| 32 93 33 00-0224 | EA | 48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars | 34.34 | |
| 32 93 33 00-0225 | EA | 18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia | 29.97 | |
| 32 93 33 00-0226 | EA | 24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia | 39.96 | |
| 32 93 33 00-0227 | EA | 24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia | 29.97 | |
| 32 93 33 00-0228 | EA | 30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia | 34.97 | |
| 32 93 33 00-0229 | EA | 36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia | 41.21 | |
| 32 93 33 00-0230 | EA | 42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia | 47.46 | |
| 32 93 33 00-0231 | EA | 48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia | 54.95 | |
| 32 93 33 00-0232 | EA | 2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla | 42.46 | |
| 32 93 33 00-0233 | EA | 3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla | 59.32 | |
| 32 93 33 00-0234 | EA | 5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla | 62.44 | |
| 32 93 33 00-0235 | EA | 15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla | 64.94 | |
| 32 93 33 00-0236 | EA | 18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla | 69.93 | |
| 32 93 33 00-0237 | EA | 24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla | 84.92 | |
| 32 93 33 00-0238 | EA | 24" Balled and Burlapped, Fothergilla major - Large Fothergilla | 109.90 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 33 00-0239 | EA | 30" Balled and Burlapped, Fothergilla major - Large Fothergilla | 124.88 | |
| 32 93 33 00-0240 | EA | 1 Gallon Gardenia jasminoides - Cape Jasmine | 9.26 | |
| 32 93 33 00-0241 | EA | 3 Gallon Gardenia jasminoides - Cape Jasmine | 24.28 | |
| 32 93 33 00-0242 | EA | 5 Gallon Gardenia jasminoides - Cape Jasmine | 30.99 | |
| 32 93 33 00-0243 | EA | 36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel | 87.42 | |
| 32 93 33 00-0244 | EA | 48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel | 142.37 | |
| 32 93 33 00-0245 | EA | 60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel | 179.83 | |
| 32 93 33 00-0246 | EA | 72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel | 274.74 | |
| 32 93 33 00-0247 | EA | 84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel | 312.21 | |
| 32 93 33 00-0248 | EA | 1 Gallon Hedychuium gartdnerum - Variegated Ginger | 5.31 | |
| 32 93 33 00-0249 | EA | 3 Gallon Hedychuium gartdnerum - Variegated Ginger | 18.67 | |
| 32 93 33 00-0250 | EA | 5 Gallon Hedychuium gartdnerum - Variegated Ginger | 35.90 | |
| 32 93 33 00-0251 | EA | 1 Gallon Hibiscus rosa-sinensis - Hibiscus | 13.61 | |
| 32 93 33 00-0252 | EA | 3 Gallon Hibiscus rosa-sinensis - Hibiscus | 22.98 | |
| 32 93 33 00-0253 | EA | 5 Gallon Hibiscus rosa-sinensis - Hibiscus | 34.75 | |
| 32 93 33 00-0254 | EA | 5 Gallon Hibiscus syriacus - Rose Of Sharon | 35.96 | |
| 32 93 33 00-0255 | EA | 2' To 3' Hibiscus syriacus - Rose Of Sharon | 30.59 | |
| 32 93 33 00-0256 | EA | 3' To 4' Hibiscus syriacus - Rose Of Sharon | 41.32 | |
| 32 93 33 00-0257 | EA | 4' To 5' Hibiscus syriacus - Rose Of Sharon | 59.70 | |
| 32 93 33 00-0258 | EA | 5' To 6' Hibiscus syriacus - Rose Of Sharon | 82.51 | |
| 32 93 33 00-0259 | EA | 2 Gallon Hydrangea - Blue Hydrangea | 25.36 | |
| 32 93 33 00-0260 | EA | 5 Gallon Hydrangea - Blue Hydrangea | 35.69 | |
| 32 93 33 00-0261 | EA | 2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea | 39.84 | |
| 32 93 33 00-0262 | EA | 3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea | 45.48 | |
| 32 93 33 00-0263 | EA | 2 Gallon Hydrangea quercifloia - Oakleaf Hydrangea | 25.36 | |
| 32 93 33 00-0264 | EA | 5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea | 43.71 | |
| 32 93 33 00-0265 | EA | 30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea | 47.46 | |
| 32 93 33 00-0266 | EA | 36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea | 54.95 | |
| 32 93 33 00-0267 | EA | 4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea | 57.45 | |
| 32 93 33 00-0268 | EA | 18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea | 44.96 | |
| 32 93 33 00-0269 | EA | 24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea | 59.94 | |
| 32 93 33 00-0270 | EA | 3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea | 26.23 | |
| 32 93 33 00-0271 | EA | 5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea | 31.22 | |
| 32 93 33 00-0272 | EA | 18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea | 26.85 | |
| 32 93 33 00-0273 | EA | 24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea | 28.72 | |
| 32 93 33 00-0274 | EA | 30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea | 32.47 | |
| 32 93 33 00-0275 | EA | 36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea | 37.46 | |
| 32 93 33 00-0276 | EA | 48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea | 49.95 | |
| 32 93 33 00-0277 | EA | 18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea | 36.22 | |
| 32 93 33 00-0278 | EA | 24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea | 41.21 | |
| 32 93 33 00-0279 | EA | 30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea | 48.70 | |
| 32 93 33 00-0280 | EA | 2 Gallon Hypericum kalmianum - St. John's Wort | 25.36 | |
| 32 93 33 00-0281 | EA | 3 Gallon Hypericum kalmianun - Kalm St. John's Wort | 29.97 | |
| 32 93 33 00-0282 | EA | 24" Balled and Burlapped, Hypericum kalmianun - Kalm St. John's Wort | 32.47 | |
| 32 93 33 00-0283 | EA | 1 Gallon Ilex "Carissa" - Holly | 12.88 | |
| 32 93 33 00-0284 | EA | 2 Gallon Ilex "Carissa" - Holly | 25.36 | |
| 32 93 33 00-0285 | EA | 5 Gallon Ilex "Carissa" - Holly | 35.69 | |
| 32 93 33 00-0286 | EA | 18" To 24" Ilex - Gulftide Sweet Holly | 34.21 | |
| 32 93 33 00-0287 | EA | 2' To 2-1/2' Ilex - Gulftide Sweet Holly | 43.33 | |
| 32 93 33 00-0288 | EA | 2-1/2' To 3' Ilex - Gulftide Sweet Holly | 56.21 | |
| 32 93 33 00-0289 | EA | 3' To 3-1/2' Ilex - Gulftide Sweet Holly | 68.29 | |
| 32 93 33 00-0290 | EA | 3 Gallon Ilex cornuta - Dwarf Horned Holly | 25.55 | |
| 32 93 33 00-0291 | EA | 1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly | 12.88 | |
| 32 93 33 00-0292 | EA | 2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly | 25.36 | |
| 32 93 33 00-0293 | EA | 5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly | 36.76 | |
| 32 93 33 00-0294 | EA | 1 Gallon Ilex crenata - Hellers Japanese Holly | 12.88 | |
| 32 93 33 00-0295 | EA | 2 Gallon Ilex crenata - Hellers Japanese Holly | 28.17 | |
| 32 93 33 00-0296 | EA | 3 Gallon Ilex crenata - Hellers Japanese Holly | 36.76 | |
| 32 93 33 00-0297 | EA | 2 Gallon Ilex crenata - Hetzi Japanese Holly | 28.17 | |
| 32 93 33 00-0298 | EA | 3 Gallon Ilex crenata - Hetzi Japanese Holly | 33.94 | |
| 32 93 33 00-0299 | EA | 2' To 3' Ilex crenata - Hetzi Japanese Holly | 68.29 | |
| 32 93 33 00-0300 | EA | 3' To 4' Ilex crenata - Hetzi Japanese Holly | 91.09 | |
| 32 93 33 00-0301 | EA | 2' To 3' Ilex opaca - American Holly | 91.09 | |
| 32 93 33 00-0302 | EA | 3' To 4' Ilex opaca - American Holly | 150.79 | |
| 32 93 33 00-0303 | EA | 4' To 5' Ilex opaca - American Holly | 193.46 | |
| 32 93 33 00-0304 | EA | 5' To 6' Ilex opaca - American Holly | 233.30 | |
| 32 93 33 00-0305 | EA | 6' To 7' Ilex opaca - American Holly | 327.21 | |
| 32 93 33 00-0306 | EA | 7' To 8' Ilex opaca - American Holly | 455.33 | |
| 32 93 33 00-0307 | EA | 8' To 10' Ilex opaca - American Holly | 654.42 | |
| 32 93 33 00-0308 | EA | 10' To 12' Ilex opaca - American Holly | 995.99 | |
| 32 93 33 00-0309 | EA | 12' To 14' Ilex opaca - American Holly | 1,209.30 | |
| 32 93 33 00-0310 | EA | 14' To 16' Ilex opaca - American Holly | 1,493.85 | |
| 32 93 33 00-0311 | EA | 2' To 3' Ilex verticillata - Winterberry (Female) | 91.09 | |
| 32 93 33 00-0312 | EA | 3' To 4' Ilex verticillata - Winterberry (Female) | 119.54 | |
| 32 93 33 00-0313 | EA | 2' To 3' Ilex verticillata - Winterberry (Male) | 73.92 | |
| 32 93 33 00-0314 | EA | 3' To 4' Ilex verticillata - Winterberry (Male) | 102.50 | |
| 32 93 33 00-0315 | EA | 4' To 5' Ilex verticillata - Winterberry (Male) | 119.54 | |
| 32 93 33 00-0316 | EA | 1 Gallon Ilex vomitoria - Yaupon Holly | 12.08 | |
| 32 93 33 00-0317 | EA | 3 Gallon Ilex vomitoria - Yaupon Holly | 24.28 | |
| 32 93 33 00-0318 | EA | 10 Gallon Ilex vomitoria - Yaupon Holly | 85.32 | |
| 32 93 33 00-0319 | EA | 18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly | 38.71 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 33 00-0320 | EA | 24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly | 43.71 | |
| 32 93 33 00-0321 | EA | 3 Gallon Ilex meserveae & cvs - Blue Holly | 49.95 | |
| 32 93 33 00-0322 | EA | 18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly | 46.21 | |
| 32 93 33 00-0323 | EA | 24" Balled and Burlapped, Ilex meservae & cvs - Blue Holly | 56.20 | |
| 32 93 33 00-0324 | EA | 5 Gallon Ilex verticillata & cvs - Common Winterberry | 41.21 | |
| 32 93 33 00-0325 | EA | 24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry | 41.21 | |
| 32 93 33 00-0326 | EA | 30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry | 43.71 | |
| 32 93 33 00-0327 | EA | 36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry | 52.45 | |
| 32 93 33 00-0328 | EA | 42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry | 58.69 | |
| 32 93 33 00-0329 | EA | 48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry | 62.44 | |
| 32 93 33 00-0330 | EA | 60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry | 79.92 | |
| 32 93 33 00-0331 | EA | 4' To 5' Ilex x attenuata "Foster" - Holly | 147.98 | |
| 32 93 33 00-0332 | EA | 5' To 6' Ilex x attenuata "Foster" - Holly | 196.27 | |
| 32 93 33 00-0333 | EA | 6' To 7' Ilex x attenuata "Foster" - Holly | 175.61 | |
| 32 93 33 00-0334 | EA | 7' To 8' Ilex x attenuata "Foster" - Holly | 341.43 | |
| 32 93 33 00-0335 | EA | 1 Gallon Jasimnum - Jasmine | 3.30 | |
| 32 93 33 00-0336 | EA | 3 Gallon Jasimnum - Jasmine | 12.93 | |
| 32 93 33 00-0337 | EA | 3 Gallon Jasimnum - Orange Jasmine | 10.05 | |
| 32 93 33 00-0338 | EA | 4' - 5' Jasimnum - Orange Jasmine | 114.89 | |
| 32 93 33 00-0339 | EA | 6' - 7' Jasimnum - Orange Jasmine | 229.78 | |
| 32 93 33 00-0340 | EA | 8' - 10' Jasimnum - Orange Jasmine | 310.21 | |
| 32 93 33 00-0341 | EA | 3 Gallon Juniperus chinesis cvs - Chinese Juniper | 43.71 | |
| 32 93 33 00-0342 | EA | 5 Gallon Juniperus chinesis cvs - Chinese Juniper | 48.70 | |
| 32 93 33 00-0343 | EA | 18" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper | 64.94 | |
| 32 93 33 00-0344 | EA | 24" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper | 84.92 | |
| 32 93 33 00-0345 | EA | 30" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper | 99.91 | |
| 32 93 33 00-0346 | EA | 36" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper | 134.87 | |
| 32 93 33 00-0347 | EA | 48" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper | 184.83 | |
| 32 93 33 00-0348 | EA | 1 Gallon Juniperus horizontalis cvs - Creeping Juniper | 20.82 | |
| 32 93 33 00-0349 | EA | 3 Gallon Juniperus horizontalis cvs - Creeping Juniper | 43.71 | |
| 32 93 33 00-0350 | EA | 5 Gallon Juniperus horizontalis cvs - Creeping Juniper | 48.70 | |
| 32 93 33 00-0351 | EA | 15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper | 52.45 | |
| 32 93 33 00-0352 | EA | 18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper | 57.45 | |
| 32 93 33 00-0353 | EA | 24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper | 69.93 | |
| 32 93 33 00-0354 | EA | 30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper | 84.92 | |
| 32 93 33 00-0355 | EA | 3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper | 33.72 | |
| 32 93 33 00-0356 | EA | 18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper | 39.96 | |
| 32 93 33 00-0357 | EA | 24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper | 54.95 | |
| 32 93 33 00-0358 | EA | 30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper | 69.93 | |
| 32 93 33 00-0359 | EA | 36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper | 84.92 | |
| 32 93 33 00-0360 | EA | 3 Gallon Juniperus sabina cvs - Savin Juniper | 31.22 | |
| 32 93 33 00-0361 | EA | 5 Gallon Juniperus sabina cvs - Savin Juniper | 37.46 | |
| 32 93 33 00-0362 | EA | 4 Gallon Juniperus virginiana cvs - Red Cedar Juniper | 32.47 | |
| 32 93 33 00-0363 | EA | 36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper | 62.44 | |
| 32 93 33 00-0364 | EA | 48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper | 97.41 | |
| 32 93 33 00-0365 | EA | 60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper | 122.38 | |
| 32 93 33 00-0366 | EA | 15" To 18" Kalmia latifolia - Mountain Laurel | 51.25 | |
| 32 93 33 00-0367 | EA | 18" To 24" Kalmia latifolia - Mountain Laurel | 68.29 | |
| 32 93 33 00-0368 | EA | 2' To 3' Kalmia latifolia - Mountain Laurel | 99.55 | |
| 32 93 33 00-0369 | EA | 4' To 5' Kalmia latifolia - Mountain Laurel | 182.05 | |
| 32 93 33 00-0370 | EA | 5' To 6' Kalmia latifolia - Mountain Laurel | 278.91 | |
| 32 93 33 00-0371 | EA | 6' To 8' Kalmia latifolia - Mountain Laurel | 426.89 | |
| 32 93 33 00-0372 | EA | 1 Gallon Kerria japonica - Kerria | 11.40 | |
| 32 93 33 00-0373 | EA | 5 Gallon Kerria japonica - Kerria | 35.69 | |
| 32 93 33 00-0374 | EA | 24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush | 36.22 | |
| 32 93 33 00-0375 | EA | 30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush | 41.21 | |
| 32 93 33 00-0376 | EA | 36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush | 44.96 | |
| 32 93 33 00-0377 | EA | 42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush | 52.45 | |
| 32 93 33 00-0378 | EA | 48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush | 59.94 | |
| 32 93 33 00-0379 | EA | 60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush | 74.93 | |
| 32 93 33 00-0380 | EA | 1 Gallon Lagerstroemia indica - Crape Myrtle | 8.59 | |
| 32 93 33 00-0381 | EA | 5 Gallon Lagerstroemia indica - Crape Myrtle | 30.59 | |
| 32 93 33 00-0382 | EA | 3' To 4' Lagerstroemia indica - Crape Myrtle | 42.66 | |
| 32 93 33 00-0383 | EA | 4' To 5' Lagerstroemia indica - Crape Myrtle | 62.65 | |
| 32 93 33 00-0384 | EA | 5' To 6' Lagerstroemia indica - Crape Myrtle | 99.55 | |
| 32 93 33 00-0385 | EA | 7' To 8' Lagerstroemia indica - Crape Myrtle | 129.25 | |
| 32 93 33 00-0386 | EA | 9' To 10' Lagerstroemia indica - Crape Myrtle | 172.34 | |
| 32 93 33 00-0387 | EA | 11' To 12' Lagerstroemia indica - Crape Myrtle | 359.04 | |
| 32 93 33 00-0388 | EA | 1 Gallon Leucothoe axillaris - Coast Leucothoe | 12.88 | |
| 32 93 33 00-0389 | EA | 2 Gallon Leucothoe axillaris - Coast Leucothoe | 28.17 | |
| 32 93 33 00-0390 | EA | 3 Gallon Leucothoe axillaris - Coast Leucothoe | 33.94 | |
| 32 93 33 00-0391 | EA | 1 Gallon Ligustrum lucidum - Glossy Privet | 7.92 | |
| 32 93 33 00-0392 | EA | 5 Gallon Ligustrum lucidum - Glossy Privet | 24.28 | |
| 32 93 33 00-0393 | EA | 15 Gallon Ligustrum lucidum - Glossy Privet | 113.77 | |
| 32 93 33 00-0394 | EA | 1 Gallon Ligustrum sinense - Variegated Chinese Privet | 7.92 | |
| 32 93 33 00-0395 | EA | 2 Gallon Ligustrum sinense - Variegated Chinese Privet | 17.04 | |
| 32 93 33 00-0396 | EA | 3 Gallon Ligustrum sinense - Variegated Chinese Privet | 22.14 | |
| 32 93 33 00-0397 | EA | 36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet | 37.46 | |
| 32 93 33 00-0398 | EA | 48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet | 54.95 | |
| 32 93 33 00-0399 | EA | 60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet | 69.93 | |
| 32 93 33 00-0400 | EA | 72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet | 79.92 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 33 00-0401 | EA | 5 Gallon Lindera benzoin - Spicebush | 41.21 | |
| 32 93 33 00-0402 | EA | 36" Balled and Burlapped, Lindera benzoin - Spicebush | 34.97 | |
| 32 93 33 00-0403 | EA | 48" Balled and Burlapped, Lindera benzoin - Spicebush | 42.46 | |
| 32 93 33 00-0404 | EA | 2' To 3' Lonicera fragrantissima - Winter Honeysuckle | 68.29 | |
| 32 93 33 00-0405 | EA | 3' To 4' Lonicera fragrantissima - Winter Honeysuckle | 82.51 | |
| 32 93 33 00-0406 | EA | 30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle | 37.46 | |
| 32 93 33 00-0407 | EA | 36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle | 44.96 | |
| 32 93 33 00-0408 | EA | 42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle | 49.95 | |
| 32 93 33 00-0409 | EA | 48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle | 54.95 | |
| 32 93 33 00-0410 | EA | 1 Gallon Myrica cerifera - Wax Myrtle | 7.18 | |
| 32 93 33 00-0411 | EA | 4 Gallon Myrica cerifera - Wax Myrtle | 22.98 | |
| 32 93 33 00-0412 | EA | 7 Gallon Myrica cerifera - Wax Myrtle | 50.27 | |
| 32 93 33 00-0413 | EA | 10 Gallon Myrica cerifera - Wax Myrtle | 74.68 | |
| 32 93 33 00-0414 | EA | 15 Gallon Myrica cerifera - Wax Myrtle | 114.89 | |
| 32 93 33 00-0415 | EA | 45 Gallon Myrica cerifera - Wax Myrtle | 344.68 | |
| 32 93 33 00-0416 | EA | 1' - 2' Myrica cerifera - Wax Myrtle | 10.05 | |
| 32 93 33 00-0417 | EA | 3' - 4' Myrica cerifera - Wax Myrtle | 34.47 | |
| 32 93 33 00-0418 | EA | 5' - 6' Myrica cerifera - Wax Myrtle | 63.19 | |
| 32 93 33 00-0419 | EA | 7' - 8' Myrica cerifera - Wax Myrtle | 86.17 | |
| 32 93 33 00-0420 | EA | 9' - 10' Myrica cerifera - Wax Myrtle | 114.89 | |
| 32 93 33 00-0421 | EA | 11' - 12' Myrica cerifera - Wax Myrtle | 175.21 | |
| 32 93 33 00-0422 | EA | 3 Gallon Myrica pensylvanica - Northern Bayberry | 37.46 | |
| 32 93 33 00-0423 | EA | 24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry | 61.19 | |
| 32 93 33 00-0424 | EA | 30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry | 89.92 | |
| 32 93 33 00-0425 | EA | 36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry | 107.40 | |
| 32 93 33 00-0426 | EA | 48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry | 112.39 | |
| 32 93 33 00-0427 | EA | 1 Gallon Nandina domestica - Heavenly Bamboo | 12.88 | |
| 32 93 33 00-0428 | EA | 2 Gallon Nandina domestica - Heavenly Bamboo | 28.17 | |
| 32 93 33 00-0429 | EA | 5 Gallon Nandina domestica - Heavenly Bamboo | 42.66 | |
| 32 93 33 00-0430 | EA | 1 Gallon Osmanthus fragrans - Fragrant Tea Olive | 7.92 | |
| 32 93 33 00-0431 | EA | 3 Gallon Osmanthus fragrans - Fragrant Tea Olive | 21.46 | |
| 32 93 33 00-0432 | EA | 1 Gallon Philadelphus - Evergreen Mockorange | 11.00 | |
| 32 93 33 00-0433 | EA | 5 Gallon Philadelphus - Evergreen Mockorange | 35.69 | |
| 32 93 33 00-0434 | EA | 36" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange | 37.46 | |
| 32 93 33 00-0435 | EA | 42" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange | 43.71 | |
| 32 93 33 00-0436 | EA | 48" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange | 49.95 | |
| 32 93 33 00-0437 | EA | 24" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark | 37.46 | |
| 32 93 33 00-0438 | EA | 30" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark | 43.71 | |
| 32 93 33 00-0439 | EA | 36" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark | 49.95 | |
| 32 93 33 00-0440 | EA | 42" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark | 62.44 | |
| 32 93 33 00-0441 | EA | 48" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark | 74.93 | |
| 32 93 33 00-0442 | EA | 12" To 15" Spread Pieris - Mountain Andromeda | 34.48 | |
| 32 93 33 00-0443 | EA | 15" To 18" Spread Pieris - Mountain Andromeda | 73.92 | |
| 32 93 33 00-0444 | EA | 12" To 15" Pieris japonica - Japanese Andromeda | 44.81 | |
| 32 93 33 00-0445 | EA | 15" To 18" Pieris japonica - Japanese Andromeda | 51.25 | |
| 32 93 33 00-0446 | EA | 18" To 24" Pieris japonica - Japanese Andromeda | 64.13 | |
| 32 93 33 00-0447 | EA | 2' To 2-1/2' Pieris japonica - Japanese Andromeda | 91.09 | |
| 32 93 33 00-0448 | EA | 2-1/2' To 3' Pieris japonica - Japanese Andromeda | 108.13 | |
| 32 93 33 00-0449 | EA | 24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine | 38.91 | |
| 32 93 33 00-0450 | EA | 30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine | 49.80 | |
| 32 93 33 00-0451 | EA | 36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine | 59.92 | |
| 32 93 33 00-0452 | EA | 48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine | 77.04 | |
| 32 93 33 00-0453 | EA | 60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine | 92.60 | |
| 32 93 33 00-0454 | EA | 72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine | 135.39 | |
| 32 93 33 00-0455 | EA | 30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine | 84.04 | |
| 32 93 33 00-0456 | EA | 36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine | 101.16 | |
| 32 93 33 00-0457 | EA | 48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine | 134.62 | |
| 32 93 33 00-0458 | EA | 1 Gallon Pittosporum - Pittosporum | 4.74 | |
| 32 93 33 00-0459 | EA | 3 Gallon Pittosporum - Pittosporum | 12.21 | |
| 32 93 33 00-0460 | EA | 1 Gallon Pittosporum - Varigated Pittosporum | 4.74 | |
| 32 93 33 00-0461 | EA | 3 Gallon Pittosporum - Varigated Pittosporum | 12.21 | |
| 32 93 33 00-0462 | EA | 5 Gallon Pittosporum - Varigated Pittosporum | 21.40 | |
| 32 93 33 00-0463 | EA | 1 Gallon Podocarpus macrophyllus - Yew Podocarpus | 5.74 | |
| 32 93 33 00-0464 | EA | 3 Gallon Podocarpus macrophyllus - Yew Podocarpus | 17.23 | |
| 32 93 33 00-0465 | EA | 2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil | 21.23 | |
| 32 93 33 00-0466 | EA | 5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil | 29.97 | |
| 32 93 33 00-0467 | EA | 18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil | 22.48 | |
| 32 93 33 00-0468 | EA | 24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil | 24.98 | |
| 32 93 33 00-0469 | EA | 30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil | 36.22 | |
| 32 93 33 00-0470 | EA | 36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil | 41.84 | |
| 32 93 33 00-0471 | EA | 1 Gallon Prunus caroliniana - Carolina Cherry Laurel | 5.35 | |
| 32 93 33 00-0472 | EA | 5 Gallon Prunus caroliniana - Carolina Cherry Laurel | 13.37 | |
| 32 93 33 00-0473 | EA | 15 Gallon Prunus caroliniana - Carolina Cherry Laurel | 79.75 | |
| 32 93 33 00-0474 | EA | 15" To 18" Prunus laurocerasus - Cherry Laurel | 20.40 | |
| 32 93 33 00-0475 | EA | 18" To 24" Prunus laurocerasus - Cherry Laurel | 25.24 | |
| 32 93 33 00-0476 | EA | 24" To 30" Prunus laurocerasus - Cherry Laurel | 32.85 | |
| 32 93 33 00-0477 | EA | 15" To 18" Prunus triloba - Double White Flowering Almond | 18.22 | |
| 32 93 33 00-0478 | EA | 18" To 24" Prunus triloba - Double White Flowering Almond | 23.32 | |
| 32 93 33 00-0479 | EA | 3' To 4' Prunus triloba - Double White Flowering Almond | 37.20 | |
| 32 93 33 00-0480 | EA | 4' To 6' Prunus triloba - Double White Flowering Almond | 74.48 | |
| 32 93 33 00-0481 | EA | 5 Gallon Prunus triloba - Pink Flowering Almond | 22.40 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 33 00-0482 | EA | 18" To 24" Prunus triloba - Pink Flowering Almond | 25.16 | |
| 32 93 33 00-0483 | EA | 2' To 3' Prunus triloba - Pink Flowering Almond | 29.26 | |
| 32 93 33 00-0484 | EA | 2' To 3' Prunus virginiana - Brilliant Chokeberry | 19.90 | |
| 32 93 33 00-0485 | EA | 3' To 4' Prunus virginiana - Brilliant Chokeberry | 24.41 | |
| 32 93 33 00-0486 | EA | 4' To 5' Prunus virginiana - Brilliant Chokeberry | 29.26 | |
| 32 93 33 00-0487 | EA | 5' To 6' Prunus virginiana - Brilliant Chokeberry | 33.52 | |
| 32 93 33 00-0488 | EA | 1 Gallon Punica granatum - Dwarf Pomegranate | 8.45 | |
| 32 93 33 00-0489 | EA | 3 Gallon Punica granatum - Dwarf Pomegranate | 24.95 | |
| 32 93 33 00-0490 | EA | 7 Gallon Punica granatum - Dwarf Pomegranate | 51.25 | |
| 32 93 33 00-0491 | EA | 1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha | 10.73 | |
| 32 93 33 00-0492 | EA | 5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha | 35.69 | |
| 32 93 33 00-0493 | EA | 5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha | 73.92 | |
| 32 93 33 00-0494 | EA | 1 Gallon Ralphiolepis indica - Indian Hawthorne | 8.59 | |
| 32 93 33 00-0495 | EA | 2 Gallon Ralphiolepis indica - Indian Hawthorne | 16.37 | |
| 32 93 33 00-0496 | EA | 5 Gallon Ralphiolepis indica - Indian Hawthorne | 29.11 | |
| 32 93 33 00-0497 | EA | 1 Gallon Rhamnus californica - Coffeeberry | 13.05 | |
| 32 93 33 00-0498 | EA | 5 Gallon Rhamnus californica - Coffeeberry | 37.32 | |
| 32 93 33 00-0499 | EA | 15 Gallon Rhamnus californica - Coffeeberry | 112.00 | |
| 32 93 33 00-0500 | EA | 4' To 5' Rhamnus frangula "Columnaris" - Tallhedge | 65.47 | |
| 32 93 33 00-0501 | EA | 5' To 6' Rhamnus frangula "Columnaris" - Tallhedge | 89.75 | |
| 32 93 33 00-0502 | EA | 6' To 8' Rhamnus frangula "Columnaris" - Tallhedge | 116.72 | |
| 32 93 33 00-0503 | EA | 10' To 12' Rhamnus frangula "Columnaris" - Tallhedge | 213.45 | |
| 32 93 33 00-0504 | EA | 1 Gallon Rhododendron - Azalea Evergreen Hybrids | 13.95 | |
| 32 93 33 00-0505 | EA | 2 Gallon Rhododendron - Azalea Evergreen Hybrids | 28.17 | |
| 32 93 33 00-0506 | EA | 3 Gallon Rhododendron - Azalea Evergreen Hybrids | 36.76 | |
| 32 93 33 00-0507 | EA | 5 Gallon Rhododendron - Azalea Evergreen Hybrids | 42.66 | |
| 32 93 33 00-0508 | EA | 15" To 18" Rhododendron - Azalea Evergreen Hybrids | 49.91 | |
| 32 93 33 00-0509 | EA | 18" To 24" Rhododendron - Azalea Evergreen Hybrids | 62.65 | |
| 32 93 33 00-0510 | EA | 2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids | 91.09 | |
| 32 93 33 00-0511 | EA | 2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids | 127.99 | |
| 32 93 33 00-0512 | EA | 1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids | 15.70 | |
| 32 93 33 00-0513 | EA | 2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids | 28.17 | |
| 32 93 33 00-0514 | EA | 15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids | 48.43 | |
| 32 93 33 00-0515 | EA | 18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids | 62.65 | |
| 32 93 33 00-0516 | EA | 2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids | 91.09 | |
| 32 93 33 00-0517 | EA | 3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids | 133.76 | |
| 32 93 33 00-0518 | EA | 4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids | 179.24 | |
| 32 93 33 00-0519 | EA | 5 Gallon Rhododendron - Boxleaf Azara | 35.69 | |
| 32 93 33 00-0520 | EA | 15 Gallon Rhododendron - Boxleaf Azara | 127.99 | |
| 32 93 33 00-0521 | EA | 15" To 18" Rhododendron - Carolina Rhododendron | 40.38 | |
| 32 93 33 00-0522 | EA | 18" To 24" Rhododendron - Carolina Rhododendron | 71.10 | |
| 32 93 33 00-0523 | EA | 24" To 30" Rhododendron - Carolina Rhododendron | 105.31 | |
| 32 93 33 00-0524 | EA | 2' To 3' Rhododendron - Five-leafed Azalea | 47.89 | |
| 32 93 33 00-0525 | EA | 3' To 4' Rhododendron - Five-leafed Azalea | 62.65 | |
| 32 93 33 00-0526 | EA | 4' To 5' Rhododendron - Five-leafed Azalea | 82.51 | |
| 32 93 33 00-0527 | EA | 15" To 18" Rhododendron - Ghent Azalea | 47.89 | |
| 32 93 33 00-0528 | EA | 18" To 24" Rhododendron - Ghent Azalea | 59.70 | |
| 32 93 33 00-0529 | EA | 2' To 3' Rhododendron - Ghent Azalea | 96.73 | |
| 32 93 33 00-0530 | EA | 3' To 4' Rhododendron - Ghent Azalea | 133.76 | |
| 32 93 33 00-0531 | EA | 4' To 5' Rhododendron - Ghent Azalea | 179.24 | |
| 32 93 33 00-0532 | EA | 5' To 6' Rhododendron - Ghent Azalea | 239.07 | |
| 32 93 33 00-0533 | EA | 1 Gallon Rhododendron - Hybrid Rhododendron | 15.70 | |
| 32 93 33 00-0534 | EA | 2 Gallon Rhododendron - Hybrid Rhododendron | 33.94 | |
| 32 93 33 00-0535 | EA | 3 Gallon Rhododendron - Hybrid Rhododendron | 48.16 | |
| 32 93 33 00-0536 | EA | 5 Gallon Rhododendron - Hybrid Rhododendron | 53.80 | |
| 32 93 33 00-0537 | EA | 15" To 18" Rhododendron - Hybrid Rhododendron | 45.48 | |
| 32 93 33 00-0538 | EA | 18" To 24" Rhododendron - Hybrid Rhododendron | 62.65 | |
| 32 93 33 00-0539 | EA | 24" To 30" Rhododendron - Hybrid Rhododendron | 85.32 | |
| 32 93 33 00-0540 | EA | 30" To 36" Rhododendron - Hybrid Rhododendron | 99.55 | |
| 32 93 33 00-0541 | EA | 36" To 42" Rhododendron - Hybrid Rhododendron | 142.34 | |
| 32 93 33 00-0542 | EA | 42" To 48" Rhododendron - Hybrid Rhododendron | 176.42 | |
| 32 93 33 00-0543 | EA | 15" To 18" Rhododendron - Pjm Rhododendron | 51.25 | |
| 32 93 33 00-0544 | EA | 18" To 24" Rhododendron - Pjm Rhododendron | 62.65 | |
| 32 93 33 00-0545 | EA | 2' To 2-1/2' Rhododendron - Pjm Rhododendron | 91.09 | |
| 32 93 33 00-0546 | EA | 2-1/2 To 3' Rhododendron - Pjm Rhododendron | 116.72 | |
| 32 93 33 00-0547 | EA | 3' To 3-1/2' Rhododendron - Pjm Rhododendron | 142.34 | |
| 32 93 33 00-0548 | EA | 12" To 15" Rhododendron - Torch Azalea | 39.85 | |
| 32 93 33 00-0549 | EA | 15" To 18" Rhododendron - Torch Azalea | 47.89 | |
| 32 93 33 00-0550 | EA | 18" To 24" Rhododendron - Torch Azalea | 59.70 | |
| 32 93 33 00-0551 | EA | 2' To 3' Rhododendron - Torch Azalea | 99.55 | |
| 32 93 33 00-0552 | EA | 3 Gallon Rhododendron cvs - Lepidote Rhododendron | 44.96 | |
| 32 93 33 00-0553 | EA | 5 Gallon Rhododendron cvs - Lepidote Rhododendron | 54.95 | |
| 32 93 33 00-0554 | EA | 18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron | 67.44 | |
| 32 93 33 00-0555 | EA | 24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron | 84.92 | |
| 32 93 33 00-0556 | EA | 30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron | 99.91 | |
| 32 93 33 00-0557 | EA | 36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron | 119.89 | |
| 32 93 33 00-0558 | EA | 1 Gallon Rhus glabra - Dwarf Smooth Sumac | 12.88 | |
| 32 93 33 00-0559 | EA | 5 Gallon Rhus glabra - Dwarf Smooth Sumac | 35.69 | |
| 32 93 33 00-0560 | EA | 2 Gallon Rhus aromatica & cvs - Fragrant Sumac | 29.97 | |
| 32 93 33 00-0561 | EA | 5 Gallon Rhus aromatica & cvs - Fragrant Sumac | 41.21 | |
| 32 93 33 00-0562 | EA | 18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac | 47.46 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 33 00-0563 | EA | 24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac | 62.44 | |
| 32 93 33 00-0564 | EA | 36" Balled and Burlapped, Rhus glabra - Smooth Sumac | 37.46 | |
| 32 93 33 00-0565 | EA | 48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac | 62.44 | |
| 32 93 33 00-0566 | EA | 72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac | 99.91 | |
| 32 93 33 00-0567 | EA | 15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant | 33.72 | |
| 32 93 33 00-0568 | EA | 18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant | 38.71 | |
| 32 93 33 00-0569 | EA | 24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant | 56.20 | |
| 32 93 33 00-0570 | EA | 30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant | 74.93 | |
| 32 93 33 00-0571 | EA | 1 Gallon Rosa hybrids & cvs - Shrub Rose | 20.61 | |
| 32 93 33 00-0572 | EA | 2 Gallon Rosa hybrids & cvs - Shrub Rose | 24.98 | |
| 32 93 33 00-0573 | EA | 3 Gallon Rosa hybrids & cvs - Shrub Rose | 31.22 | |
| 32 93 33 00-0574 | EA | 2 Gallon Rosa rugosa & cvs - Rugosa Rose | 22.48 | |
| 32 93 33 00-0575 | EA | 3 Gallon Rosa rugosa & cvs - Rugosa Rose | 28.72 | |
| 32 93 33 00-0576 | EA | 5 Gallon Sambucus canadensis - American Elder | 41.21 | |
| 32 93 33 00-0577 | EA | 2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca | 18.51 | |
| 32 93 33 00-0578 | EA | 3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca | 27.10 | |
| 32 93 33 00-0579 | EA | 1 Gallon Sarcococca humilis - Fragrant Sarcococca | 10.06 | |
| 32 93 33 00-0580 | EA | 5 Gallon Sarcococca humilis - Fragrant Sarcococca | 26.30 | |
| 32 93 33 00-0581 | EA | 5 Gallon Senna artemisioides - Feathery Cassia | 19.02 | |
| 32 93 33 00-0582 | EA | 15 Gallon Senna artemisioides - Feathery Cassia | 75.67 | |
| 32 93 33 00-0583 | EA | 24" Box Senna artemisioides - Feathery Cassia | 237.70 | |
| 32 93 33 00-0584 | EA | 1 Gallon Skimmia japonica - Japanese Skimmia | 12.88 | |
| 32 93 33 00-0585 | EA | 2 Gallon Skimmia japonica - Japanese Skimmia | 25.62 | |
| 32 93 33 00-0586 | EA | 5 Gallon Skimmia japonica - Japanese Skimmia | 41.32 | |
| 32 93 33 00-0587 | EA | 3' To 4' Spiraea - Garland Spirea | 59.70 | |
| 32 93 33 00-0588 | EA | 4' To 5' Spiraea - Garland Spirea | 91.09 | |
| 32 93 33 00-0589 | EA | 5 Gallon Spiraea - Snowmound Spirea | 35.69 | |
| 32 93 33 00-0590 | EA | 18" To 24" Spiraea - Snowmound Spirea | 29.25 | |
| 32 93 33 00-0591 | EA | 2' To 3' Spiraea - Snowmound Spirea | 41.32 | |
| 32 93 33 00-0592 | EA | 3' To 4' Spiraea - Snowmound Spirea | 47.90 | |
| 32 93 33 00-0593 | EA | 4' To 5' Spiraea - Snowmound Spirea | 82.51 | |
| 32 93 33 00-0594 | EA | 1 Gallon Spiraea japonica & cvs - Japanese Spirea | 12.88 | |
| 32 93 33 00-0595 | EA | 2 Gallon Spiraea japonica & cvs - Japanese Spirea | 25.36 | |
| 32 93 33 00-0596 | EA | 3 Gallon Spiraea japonica & cvs - Japanese Spirea | 29.35 | |
| 32 93 33 00-0597 | EA | 5 Gallon Spiraea japonica & cvs - Japanese Spirea | 31.85 | |
| 32 93 33 00-0598 | EA | 18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea | 32.47 | |
| 32 93 33 00-0599 | EA | 24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea | 37.46 | |
| 32 93 33 00-0600 | EA | 30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea | 42.46 | |
| 32 93 33 00-0601 | EA | 36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea | 49.33 | |
| 32 93 33 00-0602 | EA | 2 Gallon Spiraea nipponica & cvs - Nippon Spiraea | 19.98 | |
| 32 93 33 00-0603 | EA | 5 Gallon Spiraea nipponica & cvs - Nippon Spiraea | 29.97 | |
| 32 93 33 00-0604 | EA | 18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea | 27.47 | |
| 32 93 33 00-0605 | EA | 24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea | 32.47 | |
| 32 93 33 00-0606 | EA | 30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea | 37.46 | |
| 32 93 33 00-0607 | EA | 36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea | 42.46 | |
| 32 93 33 00-0608 | EA | 48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea | 54.95 | |
| 32 93 33 00-0609 | EA | 1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea | 12.88 | |
| 32 93 33 00-0610 | EA | 2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea | 23.10 | |
| 32 93 33 00-0611 | EA | 4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea | 29.97 | |
| 32 93 33 00-0612 | EA | 18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea | 26.23 | |
| 32 93 33 00-0613 | EA | 24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea | 31.85 | |
| 32 93 33 00-0614 | EA | 30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea | 37.46 | |
| 32 93 33 00-0615 | EA | 36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea | 42.46 | |
| 32 93 33 00-0616 | EA | 5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea | 29.97 | |
| 32 93 33 00-0617 | EA | 18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea | 29.97 | |
| 32 93 33 00-0618 | EA | 24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea | 34.97 | |
| 32 93 33 00-0619 | EA | 30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea | 47.46 | |
| 32 93 33 00-0620 | EA | 36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea | 54.95 | |
| 32 93 33 00-0621 | EA | 42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea | 64.94 | |
| 32 93 33 00-0622 | EA | 5 Gallon Staphylea trifolia - Bladdernut | 42.16 | |
| 32 93 33 00-0623 | EA | 2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra | 29.97 | |
| 32 93 33 00-0624 | EA | 5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra | 32.47 | |
| 32 93 33 00-0625 | EA | 24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra | 37.46 | |
| 32 93 33 00-0626 | EA | 30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra | 44.96 | |
| 32 93 33 00-0627 | EA | 2 Gallon Symphoricarpos albus - Common Snowberry | 31.22 | |
| 32 93 33 00-0628 | EA | 5 Gallon Symphoricarpos albus - Common Snowberry | 33.09 | |
| 32 93 33 00-0629 | EA | 24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac | 54.95 | |
| 32 93 33 00-0630 | EA | 30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac | 68.69 | |
| 32 93 33 00-0631 | EA | 36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac | 79.92 | |
| 32 93 33 00-0632 | EA | 42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac | 92.41 | |
| 32 93 33 00-0633 | EA | 18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac | 54.95 | |
| 32 93 33 00-0634 | EA | 24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac | 59.94 | |
| 32 93 33 00-0635 | EA | 30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac | 68.69 | |
| 32 93 33 00-0636 | EA | 36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac | 79.92 | |
| 32 93 33 00-0637 | EA | 42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac | 92.41 | |
| 32 93 33 00-0638 | EA | 60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac | 43.71 | |
| 32 93 33 00-0639 | EA | 72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac | 47.46 | |
| 32 93 33 00-0640 | EA | 36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac | 37.46 | |
| 32 93 33 00-0641 | EA | 42' Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac | 42.46 | |
| 32 93 33 00-0642 | EA | 48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac | 47.46 | |
| 32 93 33 00-0643 | EA | 60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac | 54.95 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 33 00-0644 | EA | 72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac | 67.44 | |
| 32 93 33 00-0645 | EA | 5 Gallon Syringa x chinensis & cvs - Chinese Lilac | 31.22 | |
| 32 93 33 00-0646 | EA | 36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac | 36.22 | |
| 32 93 33 00-0647 | EA | 48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac | 47.46 | |
| 32 93 33 00-0648 | EA | 48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew | 198.56 | |
| 32 93 33 00-0649 | EA | 54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew | 222.29 | |
| 32 93 33 00-0650 | EA | 60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew | 244.77 | |
| 32 93 33 00-0651 | EA | 72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew | 294.72 | |
| 32 93 33 00-0652 | EA | 18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew | 52.45 | |
| 32 93 33 00-0653 | EA | 24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew | 68.69 | |
| 32 93 33 00-0654 | EA | 30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew | 79.92 | |
| 32 93 33 00-0655 | EA | 36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew | 87.42 | |
| 32 93 33 00-0656 | EA | 15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew | 52.45 | |
| 32 93 33 00-0657 | EA | 18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew | 68.69 | |
| 32 93 33 00-0658 | EA | 24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew | 81.17 | |
| 32 93 33 00-0659 | EA | 30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew | 96.16 | |
| 32 93 33 00-0660 | EA | 36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew | 144.86 | |
| 32 93 33 00-0661 | EA | 36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae | 79.92 | |
| 32 93 33 00-0662 | EA | 48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae | 107.40 | |
| 32 93 33 00-0663 | EA | 60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae | 162.35 | |
| 32 93 33 00-0664 | EA | 72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae | 237.28 | |
| 32 93 33 00-0665 | EA | 84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae | 272.24 | |
| 32 93 33 00-0666 | EA | 96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae | 315.95 | |
| 32 93 33 00-0667 | EA | 15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae | 34.97 | |
| 32 93 33 00-0668 | EA | 18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae | 48.70 | |
| 32 93 33 00-0669 | EA | 24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae | 68.69 | |
| 32 93 33 00-0670 | EA | 3' To 4' Viburnum dilatatum - Linden Viburnum | 59.70 | |
| 32 93 33 00-0671 | EA | 4' To 5' Viburnum dilatatum - Linden Viburnum | 91.10 | |
| 32 93 33 00-0672 | EA | 5' To 6' Viburnum dilatatum - Linden Viburnum | 119.54 | |
| 32 93 33 00-0673 | EA | 1 Gallon Viburnum japonicum - Japanese Viburnum | 7.24 | |
| 32 93 33 00-0674 | EA | 3 Gallon Viburnum japonicum - Japanese Viburnum | 19.86 | |
| 32 93 33 00-0675 | EA | 5 Gallon Viburnum plicatum - Japanese Snowball | 35.69 | |
| 32 93 33 00-0676 | EA | 5' To 6' Viburnum plicatum - Japanese Snowball | 133.76 | |
| 32 93 33 00-0677 | EA | 2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum | 62.65 | |
| 32 93 33 00-0678 | EA | 3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum | 73.92 | |
| 32 93 33 00-0679 | EA | 4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum | 103.97 | |
| 32 93 33 00-0680 | EA | 30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum | 68.69 | |
| 32 93 33 00-0681 | EA | 36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum | 82.42 | |
| 32 93 33 00-0682 | EA | 24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum | 62.44 | |
| 32 93 33 00-0683 | EA | 30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum | 74.93 | |
| 32 93 33 00-0684 | EA | 36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum | 87.42 | |
| 32 93 33 00-0685 | EA | 42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum | 99.91 | |
| 32 93 33 00-0686 | EA | 36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum | 34.97 | |
| 32 93 33 00-0687 | EA | 42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum | 37.46 | |
| 32 93 33 00-0688 | EA | 48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum | 43.71 | |
| 32 93 33 00-0689 | EA | 60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum | 49.95 | |
| 32 93 33 00-0690 | EA | 72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum | 54.95 | |
| 32 93 33 00-0691 | EA | 30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum | 33.72 | |
| 32 93 33 00-0692 | EA | 36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum | 37.46 | |
| 32 93 33 00-0693 | EA | 42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum | 47.46 | |
| 32 93 33 00-0694 | EA | 48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum | 54.95 | |
| 32 93 33 00-0695 | EA | 60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum | 74.93 | |
| 32 93 33 00-0696 | EA | 72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum | 89.92 | |
| 32 93 33 00-0697 | EA | 36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum | 37.46 | |
| 32 93 33 00-0698 | EA | 48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum | 49.95 | |
| 32 93 33 00-0699 | EA | 5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum | 62.44 | |
| 32 93 33 00-0700 | EA | 6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum | 87.42 | |
| 32 93 33 00-0701 | EA | 7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum | 124.88 | |
| 32 93 33 00-0702 | EA | 8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum | 174.84 | |
| 32 93 33 00-0703 | EA | 9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum | 224.79 | |
| 32 93 33 00-0704 | EA | 30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum | 44.96 | |
| 32 93 33 00-0705 | EA | 36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum | 49.95 | |
| 32 93 33 00-0706 | EA | 36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum | 89.92 | |
| 32 93 33 00-0707 | EA | 48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum | 137.37 | |
| 32 93 33 00-0708 | EA | 60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum | 174.84 | |
| 32 93 33 00-0709 | EA | 72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum | 212.30 | |
| 32 93 33 00-0710 | EA | 84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum | 262.25 | |
| 32 93 33 00-0711 | EA | 96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum | 312.21 | |
| 32 93 33 00-0712 | EA | 108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum | 374.65 | |
| 32 93 33 00-0713 | EA | 120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum | 437.09 | |
| 32 93 33 00-0714 | EA | 30" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum | 38.09 | |
| 32 93 33 00-0715 | EA | 36" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum | 41.84 | |
| 32 93 33 00-0716 | EA | 48" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum | 47.46 | |
| 32 93 33 00-0717 | EA | 60" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum | 54.95 | |
| 32 93 33 00-0718 | EA | 72" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum | 63.07 | |
| 32 93 33 00-0719 | EA | 18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum | 36.22 | |
| 32 93 33 00-0720 | EA | 24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum | 43.71 | |
| 32 93 33 00-0721 | EA | 30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum | 52.45 | |
| 32 93 33 00-0722 | EA | 36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum | 59.94 | |
| 32 93 33 00-0723 | EA | 42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum | 72.43 | |
| 32 93 33 00-0724 | EA | 48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum | 79.92 | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 33 00-0725 | EA | 30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum | 62.44 | |
| 32 93 33 00-0726 | EA | 36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum | 74.93 | |
| 32 93 33 00-0727 | EA | 42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum | 87.42 | |
| 32 93 33 00-0728 | EA | 48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum | 99.91 | |
| 32 93 33 00-0729 | EA | 60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum | 112.39 | |
| 32 93 33 00-0730 | EA | 30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum | 79.92 | |
| 32 93 33 00-0731 | EA | 36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum | 89.92 | |
| 32 93 33 00-0732 | EA | 42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum | 102.40 | |
| 32 93 33 00-0733 | EA | 48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum | 117.39 | |
| 32 93 33 00-0734 | EA | 2' To 3' Viburum opulus "Roseum" - Fragrant Snowball | 73.92 | |
| 32 93 33 00-0735 | EA | 3' To 4' Viburum opulus "Roseum" - Fragrant Snowball | 91.09 | |
| 32 93 33 00-0736 | EA | 4' To 5' Viburum opulus "Roseum" - Fragrant Snowball | 133.76 | |
| 32 93 33 00-0737 | EA | 5 Gallon Weigela florida & cvs - Old Fashioned Weigela | 41.21 | |
| 32 93 33 00-0738 | EA | 24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela | 37.46 | |
| 32 93 33 00-0739 | EA | 30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela | 42.46 | |
| 32 93 33 00-0740 | EA | 36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela | 47.46 | |
| 32 93 33 00-0741 | EA | 42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela | 54.95 | |
| 32 93 33 00-0742 | EA | 48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela | 62.44 | |
| 32 93 33 00-0743 | EA | 1 Gallon Xylosma congestum - Shiny Xylosma | 8.59 | |
| 32 93 33 00-0744 | EA | 5 Gallon Xylosma congestum - Shiny Xylosma | 24.28 | |
| 32 93 33 00-0745 | EA | 15 Gallon Xylosma congestum - Shiny Xylosma | 106.79 | |
| 32 93 33 00-0746 | EA | 1 Gallon Yucca aloifolia - Spanish Bayonet | 7.24 | |
| 32 93 33 00-0747 | EA | 3 Gallon Yucca aloifolia - Spanish Bayonet | 19.18 | |
| 32 93 33 00-0748 | EA | 1 Gallon Yucca filamentosa - Adams Needle | 10.06 | |
| 32 93 33 00-0749 | EA | 3 Gallon Yucca filamentosa - Adams Needle | 19.59 | |
| 32 93 33 00-0750 | EA | 5 Gallon Yucca filamentosa - Adams Needle | 30.99 | |
| 32 93 33 00-0751 | EA | 5 Gallon Border Forsythia - Goldenbells | 34.48 | |
| 32 93 33 00-0752 | EA | 2' To 3' Border Forsythia - Goldenbells | 28.44 | |
| 32 93 33 00-0753 | EA | 3' To 4' Border Forsythia - Goldenbells | 35.95 | |
| 32 93 33 00-0754 | EA | 4' To 5' Border Forsythia - Goldenbells | 44.81 | |
| 32 93 33 00-0755 | EA | 5' To 6' Border Forsythia - Goldenbells | 53.80 | |
| 32 93 33 00-0756 | EA | 6' To 8' Border Forsythia - Goldenbells | 73.92 | |
| 32 93 33 00-0757 | EA | 3' Juniperus chinensis - Columnar Chinese Juniper | 73.24 | |
| 32 93 33 00-0758 | EA | 4' Juniperus chinensis - Columnar Chinese Juniper | 100.53 | |
| 32 93 33 00-0759 | EA | 5' Juniperus chinensis - Columnar Chinese Juniper | 157.98 | |
| 32 93 33 00-0760 | EA | 6' Juniperus chinensis - Columnar Chinese Juniper | 183.83 | |
| 32 93 33 00-0761 | EA | 7' Juniperus chinensis - Columnar Chinese Juniper | 241.27 | |
| 32 93 33 00-0762 | EA | 2 Gallon Chrysobalanus icaco - Cocoplum Red Tip | 14.36 | |
| 32 93 33 00-0763 | EA | 3 Gallon Chrysobalanus icaco - Cocoplum Red Tip | 20.11 | |
| 32 93 33 00-0764 | EA | 5 Gallon Chrysobalanus icaco - Cocoplum Red Tip | 48.69 | |
| 32 93 33 00-0765 | EA | 2 Gallon Chrysobalanus icaco - Cocoplum Green Tip | 14.36 | |
| 32 93 33 00-0766 | EA | 3 Gallon Chrysobalanus icaco - Cocoplum Green Tip | 20.11 | |
| 32 93 33 00-0767 | EA | Beile Poitvine Roses | 57.45 | |
| 32 93 33 00-0768 | EA | 3 Gallon Bird Of Paradise | 25.85 | |
| 32 93 33 00-0769 | EA | 5 Gallon Bird Of Paradise | 40.21 | |
| 32 93 33 00-0770 | EA | 7 Gallon Bird Of Paradise | 54.57 | |
| 32 93 33 00-0771 | EA | 10 Gallon Bird Of Paradise | 109.15 | |
| 32 93 33 00-0772 | EA | 18" Bonica Roses | 66.06 | |
| 32 93 33 00-0773 | EA | 1 Gallon Burmese Grape | 11.49 | |
| 32 93 33 00-0774 | EA | 5 Gallon Burmese Grape | 31.60 | |
| 32 93 33 00-0775 | EA | 15 Gallon Burmese Grape | 117.76 | |
| 32 93 33 00-0776 | EA | 6" To 9" Canby Paxistima | 22.98 | |
| 32 93 33 00-0777 | EA | 9" To 12" Canby Paxistima | 28.72 | |
| 32 93 33 00-0778 | EA | 12" To 15" Canby Paxistima | 37.34 | |
| 32 93 33 00-0779 | EA | 5 Gallon Chastetree | 40.21 | |
| 32 93 33 00-0780 | EA | 3' Chinese Lilac | 57.45 | |
| 32 93 33 00-0781 | EA | 4' Chinese Lilac | 71.81 | |
| 32 93 33 00-0782 | EA | 5' Chinese Lilac | 97.66 | |
| 32 93 33 00-0783 | EA | 1 Gallon Christmas Berry | 14.36 | |
| 32 93 33 00-0784 | EA | 2 Gallon Christmas Berry | 31.60 | |
| 32 93 33 00-0785 | EA | 5 Gallon Christmas Berry | 45.96 | |
| 32 93 33 00-0786 | EA | 15 Gallon Christmas Berry | 212.55 | |
| 32 93 33 00-0787 | EA | 1 Gallon Concha Wild Lilac | 11.49 | |
| 32 93 33 00-0788 | EA | 5 Gallon Concha Wild Lilac | 28.72 | |
| 32 93 33 00-0789 | EA | 1 Gallon Flower Carpet Roses | 28.72 | |
| 32 93 33 00-0790 | EA | 3 Gallon Flower Carpet Roses | 54.57 | |
| 32 93 33 00-0791 | EA | Goldfinger Potentillas | 45.96 | |
| 32 93 33 00-0792 | EA | Green Mound Alpine Currents | 57.45 | |
| 32 93 33 00-0793 | EA | 24" Gro-Low Sumacs | 57.45 | |
| 32 93 33 00-0794 | EA | 3 Gallon Heliconia | 25.85 | |
| 32 93 33 00-0795 | EA | 1' Ibolium Private | 2.87 | |
| 32 93 33 00-0796 | EA | 2' Ibolium Private | 11.49 | |
| 32 93 33 00-0797 | EA | 3' Ibolium Private | 20.11 | |
| 32 93 33 00-0798 | EA | 5 Gallon Japanese Privit | 31.60 | |
| 32 93 33 00-0799 | EA | 24" Spirea - Little Princess | 60.32 | |
| 32 93 33 00-0800 | EA | 2' Longstalk Holly | 57.45 | |
| 32 93 33 00-0801 | EA | 2-1/2' Longstalk Holly | 77.55 | |
| 32 93 33 00-0802 | EA | 3' Longstalk Holly | 97.66 | |
| 32 93 33 00-0803 | EA | 3-1/2' Longstalk Holly | 109.15 | |
| 32 93 33 00-0804 | EA | 3 Gallon Low Dense Pyracantha | 28.72 | |
| 32 93 33 00-0805 | EA | 1 Gallon Pacific Wax Myrtle | 8.62 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 33 00-0806 | EA | 5 Gallon Pacific Wax Myrtle | 28.72 | |
| 32 93 33 00-0807 | EA | 1 Gallon Red Escallonia | 8.62 | |
| 32 93 33 00-0808 | EA | 5 Gallon Red Escallonia | 28.72 | |
| 32 93 33 00-0809 | EA | 15 Gallon Red Escallonia | 117.76 | |
| 32 93 33 00-0810 | EA | 24" Smooth Hydrangeas | 68.94 | |
| 32 93 33 00-0811 | EA | 15" To 18" Somerset Burkwood Daphne | 45.96 | |
| 32 93 33 00-0812 | EA | 18" To 24" Somerset Burkwood Daphne | 60.32 | |
| 32 93 33 00-0813 | EA | 1 Gallon Spring Bouquet Laurustinis | 8.62 | |
| 32 93 33 00-0814 | EA | 5 Gallon Spring Bouquet Laurustinis | 31.60 | |
| 32 93 33 00-0815 | EA | 15" To 18" Summersweet | 34.47 | |
| 32 93 33 00-0816 | EA | 18" To 24" Summersweet | 40.21 | |
| 32 93 33 00-0817 | EA | 2' Sweet Shrubs | 45.96 | |
| 32 93 33 00-0818 | EA | 3' Sweet Shrubs | 60.32 | |
| 32 93 33 00-0819 | EA | 1 Gallon Variegated Silverberry | 8.62 | |
| 32 93 33 00-0820 | EA | 3 Gallon Variegated Silverberry | 20.11 | |
| 32 93 33 00-0821 | EA | 15 Gallon Variegated Silverberry | 117.76 | |
| 32 93 33 00-0822 | EA | 1 Gallon Variegated Winter Daphne | 14.36 | |
| 32 93 33 00-0823 | EA | 5 Gallon Variegated Winter Daphne | 45.96 | |
| 32 93 33 00-0824 | EA | 15 Gallon Variegated Winter Daphne | 212.55 | |
| 32 93 33 00-0825 | EA | 2' To 3' Virginia Sweetspire | 100.53 | |
| 32 93 33 00-0826 | EA | 1 Gallon Warminster Broom | 14.36 | |
| 32 93 33 00-0827 | EA | 2 Gallon Warminster Broom | 28.72 | |
| 32 93 33 00-0828 | EA | 5 Gallon Warminster Broom | 40.21 | |

## 32 93 43 Trees *(32 93)*

Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

### 32 93 43 00-0001 Deciduous Ornamental Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

| | | | | |
|---|---|---|---|---|
| 32 93 43 00-0002 | EA | 6' Clump Form Acer ginnala & cvs - Amur Maple | 274.12 | |
| 32 93 43 00-0003 | EA | 7' Clump Form Acer ginnala & cvs - Amur Maple | 335.03 | |
| 32 93 43 00-0004 | EA | 8' Clump Form Acer ginnala & cvs - Amur Maple | 380.72 | |
| 32 93 43 00-0005 | EA | 10' Clump Form Acer ginnala & cvs - Amur Maple | 441.63 | |
| 32 93 43 00-0006 | EA | 12' Clump Form Acer ginnala & cvs - Amur Maple | 502.55 | |
| 32 93 43 00-0007 | EA | 14' Clump Form Acer ginnala & cvs - Amur Maple | 593.92 | |
| 32 93 43 00-0008 | EA | 1-1/2" To 2" Caliper Acer griseum - Paperbark Maple | 272.76 | |
| 32 93 43 00-0009 | EA | 2" To 2-1/2" Caliper Acer griseum - Paperbark Maple | 974.64 | |
| 32 93 43 00-0010 | EA | 2-1/2" To 3" Caliper Acer griseum - Paperbark Maple | 1,218.30 | |
| 32 93 43 00-0011 | EA | 5' Clump Form Acer griseum - Paperbark Maple | 243.66 | |
| 32 93 43 00-0012 | EA | 1-1/2" Caliper Aesculus californica - California Buckeye | 609.15 | |
| 32 93 43 00-0013 | EA | 2" Caliper Aesculus californica - California Buckeye | 791.89 | |
| 32 93 43 00-0014 | EA | 2-1/2" Caliper Aesculus californica - California Buckeye | 913.72 | |
| 32 93 43 00-0015 | EA | 3" Caliper Aesculus californica - California Buckeye | 1,035.55 | |
| 32 93 43 00-0016 | EA | 3-1/2" Caliper Aesculus californica - California Buckeye | 1,218.30 | |
| 32 93 43 00-0017 | EA | 6' Albizia julibrissin - Silk Tree | 743.93 | |
| 32 93 43 00-0018 | EA | 8' Albizia julibrissin - Silk Tree | 991.90 | |
| 32 93 43 00-0019 | EA | 10' Albizia julibrissin - Silk Tree | 1,239.88 | |
| 32 93 43 00-0020 | EA | 12' Albizia julibrissin - Silk Tree | 1,487.86 | |
| 32 93 43 00-0021 | EA | 36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry | 99.91 | |
| 32 93 43 00-0022 | EA | 48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry | 124.88 | |
| 32 93 43 00-0023 | EA | 60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry | 154.85 | |
| 32 93 43 00-0024 | EA | 60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry | 124.88 | |
| 32 93 43 00-0025 | EA | 72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry | 149.86 | |
| 32 93 43 00-0026 | EA | 7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry | 174.84 | |
| 32 93 43 00-0027 | EA | 8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry | 199.81 | |
| 32 93 43 00-0028 | EA | 5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry | 224.79 | |
| 32 93 43 00-0029 | EA | 6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry | 249.77 | |
| 32 93 43 00-0030 | EA | 7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry | 287.23 | |
| 32 93 43 00-0031 | EA | 8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry | 324.69 | |
| 32 93 43 00-0032 | EA | 9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry | 374.65 | |
| 32 93 43 00-0033 | EA | 1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry | 304.57 | |
| 32 93 43 00-0034 | EA | 2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry | 426.40 | |
| 32 93 43 00-0035 | EA | 2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry | 456.86 | |
| 32 93 43 00-0036 | EA | 3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry | 533.00 | |
| 32 93 43 00-0037 | EA | 6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry | 380.72 | |
| 32 93 43 00-0038 | EA | 7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry | 456.86 | |
| 32 93 43 00-0039 | EA | 8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry | 533.00 | |
| 32 93 43 00-0040 | EA | 10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry | 609.15 | |
| 32 93 43 00-0041 | EA | 12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry | 685.29 | |
| 32 93 43 00-0042 | EA | 14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry | 761.43 | |
| 32 93 43 00-0043 | EA | 7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry | 287.23 | |
| 32 93 43 00-0044 | EA | 8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry | 337.18 | |
| 32 93 43 00-0045 | EA | 9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry | 387.14 | |
| 32 93 43 00-0046 | EA | 10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry | 424.60 | |
| 32 93 43 00-0047 | EA | 30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry | 99.91 | |
| 32 93 43 00-0048 | EA | 48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry | 212.30 | |
| 32 93 43 00-0049 | EA | 60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry | 274.74 | |
| 32 93 43 00-0050 | EA | 2' To 4' Amelemchier - Juneberry | 30.41 | |
| 32 93 43 00-0051 | EA | 4' To 5' Amelemchier - Juneberry | 31.90 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-0052 | EA | 5' To 6' Amelemchier - Juneberry | 37.98 | |
| 32 93 43 00-0053 | EA | 6' To 8' Amelemchier - Juneberry | 45.32 | |
| 32 93 43 00-0054 | EA | 15 Gallon Chilopsis linearis - Desert Willow | 66.62 | |
| 32 93 43 00-0055 | EA | 24" Box Chilopsis linearis - Desert Willow | 214.55 | |
| 32 93 43 00-0056 | EA | 36" Box Chilopsis linearis - Desert Willow | 564.62 | |
| 32 93 43 00-0057 | EA | 15 Gallon Chionanthus retusus - Chinese Fringe Tree | 66.62 | |
| 32 93 43 00-0058 | EA | 24" Box Chionanthus retusus - Chinese Fringe Tree | 180.68 | |
| 32 93 43 00-0059 | EA | 36" Box Chionanthus retusus - Chinese Fringe Tree | 621.08 | |
| 32 93 43 00-0060 | EA | 1-1/2" Caliper Arbutus menziesii - Madrona | 539.08 | |
| 32 93 43 00-0061 | EA | 2" Caliper Arbutus menziesii - Madrona | 700.80 | |
| 32 93 43 00-0062 | EA | 2-1/2" Caliper Arbutus menziesii - Madrona | 808.62 | |
| 32 93 43 00-0063 | EA | 3" Caliper Arbutus menziesii - Madrona | 916.43 | |
| 32 93 43 00-0064 | EA | 3-1/2" Caliper Arbutus menziesii - Madrona | 1,078.16 | |
| 32 93 43 00-0065 | EA | 1 Gallon Arbutus 'Marina' - Marina Strawberry Tree | 7.34 | |
| 32 93 43 00-0066 | EA | 5 Gallon Arbutus 'Marina' - Marina Strawberry Tree | 27.67 | |
| 32 93 43 00-0067 | EA | 15 Gallon Arbutus 'Marina' - Marina Strawberry Tree | 89.21 | |
| 32 93 43 00-0068 | EA | 24" Box Arbutus 'Marina' - Marina Strawberry Tree | 214.55 | |
| 32 93 43 00-0069 | EA | 36" Box Arbutus 'Marina' - Marina Strawberry Tree | 690.08 | |
| 32 93 43 00-0070 | EA | 1 Gallon Arbutus unedo - Strawberry Tree | 6.78 | |
| 32 93 43 00-0071 | EA | 5 Gallon Arbutus unedo - Strawberry Tree | 20.33 | |
| 32 93 43 00-0072 | EA | 15 Gallon Arbutus unedo - Strawberry Tree | 89.21 | |
| 32 93 43 00-0073 | EA | 24" Box Arbutus unedo - Strawberry Tree | 214.55 | |
| 32 93 43 00-0074 | EA | 36" Box Arbutus unedo - Strawberry Tree | 621.08 | |
| 32 93 43 00-0075 | EA | 3' Clump Form Asimina triloba - Paw-Paw | 213.20 | |
| 32 93 43 00-0076 | EA | 4' Clump Form Asimina triloba - Paw-Paw | 243.66 | |
| 32 93 43 00-0077 | EA | 5' Clump Form Asimina triloba - Paw-Paw | 335.03 | |
| 32 93 43 00-0078 | EA | 6' Brachychiton acerifolius - Flame Tree | 743.93 | |
| 32 93 43 00-0079 | EA | 8' Brachychiton acerifolius - Flame Tree | 991.90 | |
| 32 93 43 00-0080 | EA | 10' Brachychiton acerifolius - Flame Tree | 1,239.88 | |
| 32 93 43 00-0081 | EA | 12' Brachychiton acerifolius - Flame Tree | 1,487.86 | |
| 32 93 43 00-0082 | EA | 1 Gallon Callistemon salignus - White BottleBrush | 3.95 | |
| 32 93 43 00-0083 | EA | 5 Gallon Callistemon salignus - White BottleBrush | 11.29 | |
| 32 93 43 00-0084 | EA | 15 Gallon Callistemon salignus - White BottleBrush | 44.04 | |
| 32 93 43 00-0085 | EA | 24" Box Callistemon salignus - White BottleBrush | 180.68 | |
| 32 93 43 00-0086 | EA | 5 Gallon Calodendrum capense - Cape Chestnut | 46.50 | |
| 32 93 43 00-0087 | EA | 15 Gallon Calodendrum capense - Cape Chestnut | 185.98 | |
| 32 93 43 00-0088 | EA | 24" Box Calodendrum capense - Cape Chestnut | 697.43 | |
| 32 93 43 00-0089 | EA | 1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood | 456.86 | |
| 32 93 43 00-0090 | EA | 2" Caliper Carpinus caroliniana - American Hornbeam Ironwood | 533.00 | |
| 32 93 43 00-0091 | EA | 2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood | 685.29 | |
| 32 93 43 00-0092 | EA | 5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood | 274.12 | |
| 32 93 43 00-0093 | EA | 6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood | 335.03 | |
| 32 93 43 00-0094 | EA | 7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood | 456.86 | |
| 32 93 43 00-0095 | EA | 8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood | 533.00 | |
| 32 93 43 00-0096 | EA | 10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood | 639.61 | |
| 32 93 43 00-0097 | EA | 12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood | 776.66 | |
| 32 93 43 00-0098 | EA | 14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood | 883.26 | |
| 32 93 43 00-0099 | EA | 8' Cassia leptophlia - Gold Medallion Tree | 402.96 | |
| 32 93 43 00-0100 | EA | 10' Cassia leptophlia - Gold Medallion Tree | 511.45 | |
| 32 93 43 00-0101 | EA | 12' Cassia leptophlia - Gold Medallion Tree | 619.94 | |
| 32 93 43 00-0102 | EA | 5 Gallon Celtis Sinensis - Chinese Hackberry | 45.48 | |
| 32 93 43 00-0103 | EA | 15 Gallon Celtis Sinensis - Chinese Hackberry | 119.92 | |
| 32 93 43 00-0104 | EA | 24" Box Celtis Sinensis - Chinese Hackberry | 392.82 | |
| 32 93 43 00-0105 | EA | 36" Box Celtis Sinensis - Chinese Hackberry | 1,147.46 | |
| 32 93 43 00-0106 | EA | 15 Gallon Cercis canadensis - American Redbud, Eastern Redbud | 89.21 | |
| 32 93 43 00-0107 | EA | 24" Box Cercis canadensis - American Redbud, Eastern Redbud | 214.55 | |
| 32 93 43 00-0108 | EA | 36" Box Cercis canadensis - American Redbud, Eastern Redbud | 564.62 | |
| 32 93 43 00-0109 | EA | 1 Gallon Cercis occidentalis - Western Redbud | 7.34 | |
| 32 93 43 00-0110 | EA | 5 Gallon Cercis occidentalis - Western Redbud | 27.67 | |
| 32 93 43 00-0111 | EA | 15 Gallon Cercis occidentalis - Western Redbud | 89.21 | |
| 32 93 43 00-0112 | EA | 24" Box Cercis occidentalis - Western Redbud | 214.55 | |
| 32 93 43 00-0113 | EA | 36" Box Cercis occidentalis - Western Redbud | 621.08 | |
| 32 93 43 00-0114 | EA | 1 Gallon Chitalpa tashkentensis - Chitalpa | 5.08 | |
| 32 93 43 00-0115 | EA | 5 Gallon Chitalpa tashkentensis - Chitalpa | 15.81 | |
| 32 93 43 00-0116 | EA | 15 Gallon Chitalpa tashkentensis - Chitalpa | 55.33 | |
| 32 93 43 00-0117 | EA | 24" Box Chitalpa tashkentensis - Chitalpa | 180.68 | |
| 32 93 43 00-0118 | EA | 36" Box Chitalpa tashkentensis - Chitalpa | 508.15 | |
| 32 93 43 00-0119 | EA | 5' To 6' Chaenomeles - Orange Quince | 96.20 | |
| 32 93 43 00-0120 | EA | 6' To 8' Chaenomeles - Orange Quince | 120.25 | |
| 32 93 43 00-0121 | EA | 1-1/2" Caliper Chilopsis linearis - Desert Willow | 601.34 | |
| 32 93 43 00-0122 | EA | 2" Caliper Chilopsis linearis - Desert Willow | 722.23 | |
| 32 93 43 00-0123 | EA | 2-1/2" Caliper Chilopsis linearis - Desert Willow | 768.73 | |
| 32 93 43 00-0124 | EA | 3" Caliper Chilopsis linearis - Desert Willow | 852.42 | |
| 32 93 43 00-0125 | EA | 5 Gallon Chionanthus retusus - Chinese Fringe Tree | 31.00 | |
| 32 93 43 00-0126 | EA | 15 Gallon Chionanthus retusus - Chinese Fringe Tree | 123.99 | |
| 32 93 43 00-0127 | EA | 24" Box Chionanthus retusus - Chinese Fringe Tree | 619.94 | |
| 32 93 43 00-0128 | EA | 6' Chionanthus virginicus - White Fringe Tree | 371.96 | |
| 32 93 43 00-0129 | EA | 8' Chionanthus virginicus - White Fringe Tree | 490.36 | |
| 32 93 43 00-0130 | EA | 10' Chionanthus virginicus - White Fringe Tree | 683.01 | |
| 32 93 43 00-0131 | EA | 5' Clump Form Chionanthus virginicus - White Fringetree | 304.57 | |
| 32 93 43 00-0132 | EA | 6' Clump Form Chionanthus virginicus - White Fringetree | 380.72 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-0133 | EA | 7' Clump Form Chionanthus virginicus - White Fringetree | 487.32 | |
| 32 93 43 00-0134 | EA | 4' To 5' Cornus - Pink Or Red Flowering Dogwood | 109.94 | |
| 32 93 43 00-0135 | EA | 5' To 6' Cornus - Pink Or Red Flowering Dogwood | 137.43 | |
| 32 93 43 00-0136 | EA | 6' To 7' Cornus - Pink Or Red Flowering Dogwood | 192.40 | |
| 32 93 43 00-0137 | EA | 7' To 8' Cornus - Pink Or Red Flowering Dogwood | 247.37 | |
| 32 93 43 00-0138 | EA | 4' To 5' Cornus - White Flowering Dogwood | 73.30 | |
| 32 93 43 00-0139 | EA | 5' To 6' Cornus - White Flowering Dogwood | 109.94 | |
| 32 93 43 00-0140 | EA | 6' To 7' Cornus - White Flowering Dogwood | 153.92 | |
| 32 93 43 00-0141 | EA | 3' To 4' Cornus kousa - Japanese Dogwood | 73.30 | |
| 32 93 43 00-0142 | EA | 4' To 5' Cornus kousa - Japanese Dogwood | 84.29 | |
| 32 93 43 00-0143 | EA | 5' To 6' Cornus kousa - Japanese Dogwood | 109.94 | |
| 32 93 43 00-0144 | EA | 6' To 8' Cornus kousa - Japanese Dogwood | 161.25 | |
| 32 93 43 00-0145 | EA | 8' To 10' Cornus kousa - Japanese Dogwood | 219.89 | |
| 32 93 43 00-0146 | EA | 1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood | 350.26 | |
| 32 93 43 00-0147 | EA | 2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood | 426.40 | |
| 32 93 43 00-0148 | EA | 4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood | 167.52 | |
| 32 93 43 00-0149 | EA | 5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood | 213.20 | |
| 32 93 43 00-0150 | EA | 6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood | 243.66 | |
| 32 93 43 00-0151 | EA | 7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood | 274.12 | |
| 32 93 43 00-0152 | EA | 8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood | 335.03 | |
| 32 93 43 00-0153 | EA | 4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood | 167.52 | |
| 32 93 43 00-0154 | EA | 5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood | 213.20 | |
| 32 93 43 00-0155 | EA | 6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood | 258.89 | |
| 32 93 43 00-0156 | EA | 7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood | 304.57 | |
| 32 93 43 00-0157 | EA | 8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood | 426.40 | |
| 32 93 43 00-0158 | EA | 1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood | 380.72 | |
| 32 93 43 00-0159 | EA | 2" Caliper Cornus mas & cvs - Corneliancherry Dogwood | 456.86 | |
| 32 93 43 00-0160 | EA | 2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood | 533.00 | |
| 32 93 43 00-0161 | EA | 1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn | 304.57 | |
| 32 93 43 00-0162 | EA | 2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn | 380.72 | |
| 32 93 43 00-0163 | EA | 2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn | 472.09 | |
| 32 93 43 00-0164 | EA | 3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn | 533.00 | |
| 32 93 43 00-0165 | EA | 3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn | 609.15 | |
| 32 93 43 00-0166 | EA | 4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn | 685.29 | |
| 32 93 43 00-0167 | EA | 6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn | 304.57 | |
| 32 93 43 00-0168 | EA | 7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn | 365.49 | |
| 32 93 43 00-0169 | EA | 8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn | 426.40 | |
| 32 93 43 00-0170 | EA | 10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn | 533.00 | |
| 32 93 43 00-0171 | EA | 12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn | 685.29 | |
| 32 93 43 00-0172 | EA | 5 Gallon Crataegus phaenopyrum - Washington Hawthorn | 45.48 | |
| 32 93 43 00-0173 | EA | 15 Gallon Crataegus phaenopyrum - Washington Hawthorn | 119.92 | |
| 32 93 43 00-0174 | EA | 24" Box Crataegus phaenopyrum - Washington Hawthorn | 392.82 | |
| 32 93 43 00-0175 | EA | 36" Box Crataegus phaenopyrum - Washington Hawthorn | 1,147.46 | |
| 32 93 43 00-0176 | EA | 1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn | 243.66 | |
| 32 93 43 00-0177 | EA | 2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn | 274.12 | |
| 32 93 43 00-0178 | EA | 2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn | 304.57 | |
| 32 93 43 00-0179 | EA | 3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn | 350.26 | |
| 32 93 43 00-0180 | EA | 3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn | 456.86 | |
| 32 93 43 00-0181 | EA | 4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn | 517.78 | |
| 32 93 43 00-0182 | EA | 6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn | 213.20 | |
| 32 93 43 00-0183 | EA | 7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn | 258.89 | |
| 32 93 43 00-0184 | EA | 8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn | 304.57 | |
| 32 93 43 00-0185 | EA | 10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn | 380.72 | |
| 32 93 43 00-0186 | EA | 12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn | 472.09 | |
| 32 93 43 00-0187 | EA | 14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn | 563.46 | |
| 32 93 43 00-0188 | EA | 16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn | 654.83 | |
| 32 93 43 00-0189 | EA | 1-1/2" Caliper Crataegus viridis - Winter King Hawthorn | 243.66 | |
| 32 93 43 00-0190 | EA | 2" Caliper Crataegus viridis - Winter King Hawthorn | 274.12 | |
| 32 93 43 00-0191 | EA | 2-1/2" Caliper Crataegus viridis - Winter King Hawthorn | 380.72 | |
| 32 93 43 00-0192 | EA | 3" Caliper Crataegus viridis - Winter King Hawthorn | 502.55 | |
| 32 93 43 00-0193 | EA | 6' Clump Form Crataegus viridis - Winter King Hawthorn | 228.43 | |
| 32 93 43 00-0194 | EA | 7' Clump Form Crataegus viridis - Winter King Hawthorn | 304.57 | |
| 32 93 43 00-0195 | EA | 8' Clump Form Crataegus viridis - Winter King Hawthorn | 380.72 | |
| 32 93 43 00-0196 | EA | 10' Clump Form Crataegus viridis - Winter King Hawthorn | 456.86 | |
| 32 93 43 00-0197 | EA | 1 Gallon Eucalyptus ficifolia - Red-Flowering Gum | 13.44 | |
| 32 93 43 00-0198 | EA | 5 Gallon Eucalyptus ficifolia - Red-Flowering Gum | 37.22 | |
| 32 93 43 00-0199 | EA | 15 Gallon Eucalyptus ficifolia - Red-Flowering Gum | 163.33 | |
| 32 93 43 00-0200 | EA | 24" Box Eucalyptus ficifolia - Red-Flowering Gum | 392.82 | |
| 32 93 43 00-0201 | EA | 36" Box Eucalyptus ficifolia - Red-Flowering Gum | 1,033.75 | |
| 32 93 43 00-0202 | EA | 15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash | 101.31 | |
| 32 93 43 00-0203 | EA | 24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash | 330.80 | |
| 32 93 43 00-0204 | EA | 36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash | 878.69 | |
| 32 93 43 00-0205 | EA | 48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash | 1,964.12 | |
| 32 93 43 00-0206 | EA | 15 Gallon Geijera parvifolia - Australian Willow | 210.16 | |
| 32 93 43 00-0207 | EA | 24" Box Geijera parvifolia - Australian Willow | 432.57 | |
| 32 93 43 00-0208 | EA | 30" Box Geijera parvifolia - Australian Willow | 805.60 | |
| 32 93 43 00-0209 | EA | 36" Box Geijera parvifolia - Australian Willow | 1,155.86 | |
| 32 93 43 00-0210 | EA | 5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust | 28.94 | |
| 32 93 43 00-0211 | EA | 15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust | 101.31 | |
| 32 93 43 00-0212 | EA | 24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust | 330.80 | |
| 32 93 43 00-0213 | EA | 36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust | 878.69 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-0214 | EA | 48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust | 1,964.12 | |
| 32 93 43 00-0215 | EA | 5 Gallon Ginkgo biloba - Maidenhair Tree or Ginkgo | 27.67 | |
| 32 93 43 00-0216 | EA | 15 Gallon Ginkgo biloba - Maidenhair Tree or Ginkgo | 89.21 | |
| 32 93 43 00-0217 | EA | 24" Box Ginkgo biloba - Maidenhair Tree or Ginkgo | 180.68 | |
| 32 93 43 00-0218 | EA | 36" Box Ginkgo biloba - Maidenhair Tree or Ginkgo | 621.08 | |
| 32 93 43 00-0219 | EA | 1-1/2" Caliper Ginko Biloba - Maidenhair Tree | 623.46 | |
| 32 93 43 00-0220 | EA | 2" Caliper Ginko Biloba - Maidenhair Tree | 868.64 | |
| 32 93 43 00-0221 | EA | 2-1/2" Caliper Ginko Biloba - Maidenhair Tree | 1,047.28 | |
| 32 93 43 00-0222 | EA | 3" Caliper Ginko Biloba - Maidenhair Tree | 1,222.41 | |
| 32 93 43 00-0223 | EA | 3-1/2" Caliper Ginko Biloba - Maidenhair Tree | 1,600.69 | |
| 32 93 43 00-0224 | EA | 4" Caliper Ginko Biloba - Maidenhair Tree | 1,709.27 | |
| 32 93 43 00-0225 | EA | 4-1/2" Caliper Ginko Biloba - Maidenhair Tree | 1,821.35 | |
| 32 93 43 00-0226 | EA | 24" Box Ginko Biloba - Maidenhair Tree | 569.17 | |
| 32 93 43 00-0227 | EA | 4' Clump Form Hamamelis virginiana - Common Witchhazel | 152.29 | |
| 32 93 43 00-0228 | EA | 5' Clump Form Hamamelis virginiana - Common Witchhazel | 197.97 | |
| 32 93 43 00-0229 | EA | 6' Clump Form Hamamelis virginiana - Common Witchhazel | 243.66 | |
| 32 93 43 00-0230 | EA | 7' Clump Form Hamamelis virginiana - Common Witchhazel | 335.03 | |
| 32 93 43 00-0231 | EA | 8' Clump Form Hamamelis virginiana - Common Witchhazel | 456.86 | |
| 32 93 43 00-0232 | EA | 1 Gallon Ilex Cassine - Casine Holly (Dahoon) | 8.76 | |
| 32 93 43 00-0233 | EA | 5 Gallon Ilex Cassine - Casine Holly (Dahoon) | 28.02 | |
| 32 93 43 00-0234 | EA | 4' To 5' Ilex Cassine - Casine Holly (Dahoon) | 48.16 | |
| 32 93 43 00-0235 | EA | 6' To 7' Ilex Cassine - Casine Holly (Dahoon) | 91.94 | |
| 32 93 43 00-0236 | EA | 8' To 9' Ilex Cassine - Casine Holly (Dahoon) | 122.59 | |
| 32 93 43 00-0237 | EA | 10' To 12' Ilex Cassine - Casine Holly (Dahoon) | 157.62 | |
| 32 93 43 00-0238 | EA | 1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree | 371.96 | |
| 32 93 43 00-0239 | EA | 2" Caliper Koelreuteria bipinnata - Chinese Flame Tree | 604.44 | |
| 32 93 43 00-0240 | EA | 2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree | 743.93 | |
| 32 93 43 00-0241 | EA | 3" Caliper Koelreuteria bipinnata - Chinese Flame Tree | 821.42 | |
| 32 93 43 00-0242 | EA | 24" Box Koelreuteria bipinnata - Chinese Flame Tree | 362.66 | |
| 32 93 43 00-0243 | EA | 30" Box Koelreuteria bipinnata - Chinese Flame Tree | 836.92 | |
| 32 93 43 00-0244 | EA | 36" Box Koelreuteria bipinnata - Chinese Flame Tree | 1,309.62 | |
| 32 93 43 00-0245 | EA | 1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree | 337.87 | |
| 32 93 43 00-0246 | EA | 2" Cliber Koelreuteria paniculata - Golden Rain Tree | 548.65 | |
| 32 93 43 00-0247 | EA | 3" Cliber Koelreuteria paniculata - Golden Rain Tree | 759.43 | |
| 32 93 43 00-0248 | EA | 4' To 5' Lagerstroemia indica - Crape Myrtle | 224.17 | |
| 32 93 43 00-0249 | EA | 6' Lagerstroemia indica - Crape Myrtle | 416.81 | |
| 32 93 43 00-0250 | EA | 8' Lagerstroemia indica - Crape Myrtle | 430.82 | |
| 32 93 43 00-0251 | EA | 10' Lagerstroemia indica - Crape Myrtle | 521.89 | |
| 32 93 43 00-0252 | EA | 24" Box Lagerstroemia indica - Crape Myrtle | 409.80 | |
| 32 93 43 00-0253 | EA | 1 Gallon Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree | 11.18 | |
| 32 93 43 00-0254 | EA | 5 Gallon Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree | 27.67 | |
| 32 93 43 00-0255 | EA | 15 Gallon Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree | 89.21 | |
| 32 93 43 00-0256 | EA | 1 Gallon Jacaranda mimosifolia - Jacaranda | 7.34 | |
| 32 93 43 00-0257 | EA | 5 Gallon Jacaranda mimosifolia - Jacaranda | 20.33 | |
| 32 93 43 00-0258 | EA | 15 Gallon Jacaranda mimosifolia - Jacaranda | 55.33 | |
| 32 93 43 00-0259 | EA | 24" Box Jacaranda mimosifolia - Jacaranda | 180.68 | |
| 32 93 43 00-0260 | EA | 36" Box Jacaranda mimosifolia - Jacaranda | 508.15 | |
| 32 93 43 00-0261 | EA | 1 Gallon Koelreuteria bipinnata - Chinese Flame Tree | 7.34 | |
| 32 93 43 00-0262 | EA | 5 Gallon Koelreuteria bipinnata - Chinese Flame Tree | 20.33 | |
| 32 93 43 00-0263 | EA | 15 Gallon Koelreuteria bipinnata - Chinese Flame Tree | 66.62 | |
| 32 93 43 00-0264 | EA | 5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum | 28.94 | |
| 32 93 43 00-0265 | EA | 15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum | 121.98 | |
| 32 93 43 00-0266 | EA | 24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum | 330.80 | |
| 32 93 43 00-0267 | EA | 36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum | 930.38 | |
| 32 93 43 00-0268 | EA | 48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum | 2,377.62 | |
| 32 93 43 00-0269 | EA | 5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum | 28.94 | |
| 32 93 43 00-0270 | EA | 15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum | 121.98 | |
| 32 93 43 00-0271 | EA | 24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum | 330.80 | |
| 32 93 43 00-0272 | EA | 36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum | 930.38 | |
| 32 93 43 00-0273 | EA | 48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum | 2,377.62 | |
| 32 93 43 00-0274 | EA | 5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum | 28.94 | |
| 32 93 43 00-0275 | EA | 15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum | 121.98 | |
| 32 93 43 00-0276 | EA | 24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum | 330.80 | |
| 32 93 43 00-0277 | EA | 36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum | 930.38 | |
| 32 93 43 00-0278 | EA | 48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum | 2,377.62 | |
| 32 93 43 00-0279 | EA | 15 Gallon Macadamia integrifolia - Smoothshell macadamia | 169.38 | |
| 32 93 43 00-0280 | EA | 2' To 3' Magnolia Virginiana - Sweetbay Magnolia | 57.72 | |
| 32 93 43 00-0281 | EA | 3' To 4' Magnolia Virginiana - Sweetbay Magnolia | 86.58 | |
| 32 93 43 00-0282 | EA | 4' To 5' Magnolia Virginiana - Sweetbay Magnolia | 108.23 | |
| 32 93 43 00-0283 | EA | 5' To 6' Magnolia Virginiana - Sweetbay Magnolia | 134.80 | |
| 32 93 43 00-0284 | EA | 4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia | 228.43 | |
| 32 93 43 00-0285 | EA | 5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia | 304.57 | |
| 32 93 43 00-0286 | EA | 6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia | 395.95 | |
| 32 93 43 00-0287 | EA | 7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia | 441.63 | |
| 32 93 43 00-0288 | EA | 9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia | 593.92 | |
| 32 93 43 00-0289 | EA | 8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia | 533.00 | |
| 32 93 43 00-0290 | EA | 6' Magnolia grandiflora 'St. Mary's' | 464.96 | |
| 32 93 43 00-0291 | EA | 8' Magnolia grandiflora 'St. Mary's' | 821.42 | |
| 32 93 43 00-0292 | EA | 10' Magnolia grandiflora 'St. Mary's' | 1,032.20 | |
| 32 93 43 00-0293 | EA | 12' Magnolia grandiflora 'St. Mary's' | 1,239.88 | |
| 32 93 43 00-0294 | EA | 14' Magnolia grandiflora 'St. Mary's' | 1,441.36 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-0295 | EA | 16' Magnolia grandiflora 'St. Mary's' | 1,704.84 | |
| 32 93 43 00-0296 | EA | 24" Box Magnolia grandiflora 'St. Mary's' | 511.45 | |
| 32 93 43 00-0297 | EA | 6' Magnolia grandiflora - Southern Magnolia | 229.38 | |
| 32 93 43 00-0298 | EA | 7' Magnolia grandiflora - Southern Magnolia | 347.17 | |
| 32 93 43 00-0299 | EA | 8' Magnolia grandiflora - Southern Magnolia | 486.65 | |
| 32 93 43 00-0300 | EA | 9' Magnolia grandiflora - Southern Magnolia | 647.84 | |
| 32 93 43 00-0301 | EA | 10' Magnolia grandiflora - Southern Magnolia | 985.70 | |
| 32 93 43 00-0302 | EA | 24" Box Magnolia grandiflora - Southern Magnolia | 402.96 | |
| 32 93 43 00-0303 | EA | 4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia | 228.43 | |
| 32 93 43 00-0304 | EA | 5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia | 304.57 | |
| 32 93 43 00-0305 | EA | 6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia | 395.95 | |
| 32 93 43 00-0306 | EA | 7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia | 441.63 | |
| 32 93 43 00-0307 | EA | 8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia | 533.00 | |
| 32 93 43 00-0308 | EA | 9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia | 593.92 | |
| 32 93 43 00-0309 | EA | 4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia | 228.43 | |
| 32 93 43 00-0310 | EA | 5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia | 304.57 | |
| 32 93 43 00-0311 | EA | 6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia | 395.95 | |
| 32 93 43 00-0312 | EA | 7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia | 441.63 | |
| 32 93 43 00-0313 | EA | 8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia | 533.00 | |
| 32 93 43 00-0314 | EA | 9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia | 593.92 | |
| 32 93 43 00-0315 | EA | 4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia | 228.43 | |
| 32 93 43 00-0316 | EA | 5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia | 304.57 | |
| 32 93 43 00-0317 | EA | 6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia | 395.95 | |
| 32 93 43 00-0318 | EA | 7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia | 441.63 | |
| 32 93 43 00-0319 | EA | 8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia | 533.00 | |
| 32 93 43 00-0320 | EA | 9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia | 593.92 | |
| 32 93 43 00-0321 | EA | 4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia | 228.43 | |
| 32 93 43 00-0322 | EA | 5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia | 304.57 | |
| 32 93 43 00-0323 | EA | 6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia | 395.95 | |
| 32 93 43 00-0324 | EA | 7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia | 441.63 | |
| 32 93 43 00-0325 | EA | 8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia | 533.00 | |
| 32 93 43 00-0326 | EA | 9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia | 593.92 | |
| 32 93 43 00-0327 | EA | 5 Gallon Malus - Crabapple | 61.84 | |
| 32 93 43 00-0328 | EA | 15 Gallon Malus - Crabapple | 157.70 | |
| 32 93 43 00-0329 | EA | 20 Gallon Malus - Crabapple | 185.53 | |
| 32 93 43 00-0330 | EA | 1-1/2" Caliper Malus cvs - Crabapple Varieties | 182.74 | |
| 32 93 43 00-0331 | EA | 2" Caliper Malus cvs - Crabapple Varieties | 243.66 | |
| 32 93 43 00-0332 | EA | 2-1/2" Caliper Malus cvs - Crabapple Varieties | 304.57 | |
| 32 93 43 00-0333 | EA | 3" Caliper Malus cvs - Crabapple Varieties | 365.49 | |
| 32 93 43 00-0334 | EA | 3-1/2" Caliper Malus cvs - Crabapple Varieties | 426.40 | |
| 32 93 43 00-0335 | EA | 4" Caliper Malus cvs - Crabapple Varieties | 487.32 | |
| 32 93 43 00-0336 | EA | 6' Clump Form Malus cvs - Crabapple Varieties | 274.12 | |
| 32 93 43 00-0337 | EA | 7' Clump Form Malus cvs - Crabapple Varieties | 304.57 | |
| 32 93 43 00-0338 | EA | 8' Clump Form Malus cvs - Crabapple Varieties | 380.72 | |
| 32 93 43 00-0339 | EA | 10' Clump Form Malus cvs - Crabapple Varieties | 426.40 | |
| 32 93 43 00-0340 | EA | 12' Clump Form Malus cvs - Crabapple Varieties | 548.23 | |
| 32 93 43 00-0341 | EA | 1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars | 304.57 | |
| 32 93 43 00-0342 | EA | 2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars | 380.72 | |
| 32 93 43 00-0343 | EA | 4' Clump Form Malus dwarf cvs - Dwarf Crabapple | 228.43 | |
| 32 93 43 00-0344 | EA | 5' Clump Form Malus dwarf cvs - Dwarf Crabapple | 289.35 | |
| 32 93 43 00-0345 | EA | 6' Clump Form Malus dwarf cvs - Dwarf Crabapple | 350.26 | |
| 32 93 43 00-0346 | EA | 7' Clump Form Malus dwarf cvs - Dwarf Crabapple | 395.95 | |
| 32 93 43 00-0347 | EA | 8' Clump Form Malus dwarf cvs - Dwarf Crabapple | 441.63 | |
| 32 93 43 00-0348 | EA | 9' Clump Form Malus dwarf cvs - Dwarf Crabapple | 487.32 | |
| 32 93 43 00-0349 | EA | 1 Gallon Melaleuca saligna (Callistemon salignus) - White Bottle Brush | 6.49 | |
| 32 93 43 00-0350 | EA | 5 Gallon Melaleuca saligna (Callistemon salignus) - White Bottle Brush | 31.05 | |
| 32 93 43 00-0351 | EA | 15 Gallon Melaleuca saligna (Callistemon salignus) - White Bottle Brush | 53.64 | |
| 32 93 43 00-0352 | EA | 15 Gallon Melia azedarach - China Berry | 64.35 | |
| 32 93 43 00-0353 | EA | 24" Box Melia azedarach - China Berry | 212.28 | |
| 32 93 43 00-0354 | EA | 4' To 5' Oxydendrum arboreum - Sourwood | 139.72 | |
| 32 93 43 00-0355 | EA | 5' To 6' Oxydendrum arboreum - Sourwood | 174.65 | |
| 32 93 43 00-0356 | EA | 6' To 7' Oxydendrum arboreum - Sourwood | 209.58 | |
| 32 93 43 00-0357 | EA | 7' To 8' Oxydendrum arboreum - Sourwood | 244.51 | |
| 32 93 43 00-0358 | EA | 1 Gallon Pittosporum undulatum - Victorian Box | 12.97 | |
| 32 93 43 00-0359 | EA | 5 Gallon Pittosporum undulatum - Victorian Box | 27.93 | |
| 32 93 43 00-0360 | EA | 15 Gallon Pittosporum undulatum - Victorian Box | 157.58 | |
| 32 93 43 00-0361 | EA | 24" Box Pittosporum undulatum - Victorian Box | 378.99 | |
| 32 93 43 00-0362 | EA | 36" Box Pittosporum undulatum - Victorian Box | 1,097.08 | |
| 32 93 43 00-0363 | EA | 48" Box Pittosporum undulatum - Victorian Box | 2,493.38 | |
| 32 93 43 00-0364 | EA | 5 Gallon Platanus Racemosa - California Sycamore | 20.33 | |
| 32 93 43 00-0365 | EA | 15 Gallon Platanus Racemosa - California Sycamore | 55.33 | |
| 32 93 43 00-0366 | EA | 24" Box Platanus Racemosa - California Sycamore | 180.68 | |
| 32 93 43 00-0367 | EA | 36" Box Platanus Racemosa - California Sycamore | 508.15 | |
| 32 93 43 00-0368 | EA | 1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore | 6.52 | |
| 32 93 43 00-0369 | EA | 5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore | 27.59 | |
| 32 93 43 00-0370 | EA | 20 Gallon Prunus subhirtella - Flowering Cherry | 376.75 | |
| 32 93 43 00-0371 | EA | 1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry | 389.45 | |
| 32 93 43 00-0372 | EA | 2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry | 486.76 | |
| 32 93 43 00-0373 | EA | 3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry | 1,015.82 | |
| 32 93 43 00-0374 | EA | 3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry | 782.92 | |
| 32 93 43 00-0375 | EA | 4" To 5" Caliper Prunus subhirtella - Flowering Cherry | 1,523.74 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-0376 | EA | 4' To 6' Prunus - Pigeon Plum | 154.04 | |
| 32 93 43 00-0377 | EA | 8' To 10' Prunus - Pigeon Plum | 523.75 | |
| 32 93 43 00-0378 | EA | 10' To 12' Prunus - Pigeon Plum | 665.47 | |
| 32 93 43 00-0379 | EA | 14' To 16' Prunus - Pigeon Plum | 1,047.51 | |
| 32 93 43 00-0380 | EA | 5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum | 97.31 | |
| 32 93 43 00-0381 | EA | 15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum | 266.55 | |
| 32 93 43 00-0382 | EA | 20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum | 347.14 | |
| 32 93 43 00-0383 | EA | 5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum | 110.00 | |
| 32 93 43 00-0384 | EA | 6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum | 211.55 | |
| 32 93 43 00-0385 | EA | 1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum | 389.45 | |
| 32 93 43 00-0386 | EA | 2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum | 465.60 | |
| 32 93 43 00-0387 | EA | 1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry | 304.83 | |
| 32 93 43 00-0388 | EA | 1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry | 253.86 | |
| 32 93 43 00-0389 | EA | 1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry | 372.32 | |
| 32 93 43 00-0390 | EA | 2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry | 444.45 | |
| 32 93 43 00-0391 | EA | 2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry | 571.38 | |
| 32 93 43 00-0392 | EA | 6' To 8' Prunus yedoensis - Yoshino Cherry | 220.21 | |
| 32 93 43 00-0393 | EA | 1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry | 338.68 | |
| 32 93 43 00-0394 | EA | 2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry | 414.63 | |
| 32 93 43 00-0395 | EA | 2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry | 529.07 | |
| 32 93 43 00-0396 | EA | 15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear | 294.15 | |
| 32 93 43 00-0397 | EA | 20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear | 367.69 | |
| 32 93 43 00-0398 | EA | 1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear | 382.39 | |
| 32 93 43 00-0399 | EA | 2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear | 455.93 | |
| 32 93 43 00-0400 | EA | 2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear | 617.71 | |
| 32 93 43 00-0401 | EA | 3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear | 808.91 | |
| 32 93 43 00-0402 | EA | 3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear | 1,029.52 | |
| 32 93 43 00-0403 | EA | 15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear | 294.15 | |
| 32 93 43 00-0404 | EA | 20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear | 367.69 | |
| 32 93 43 00-0405 | EA | 1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear | 250.03 | |
| 32 93 43 00-0406 | EA | 2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear | 382.39 | |
| 32 93 43 00-0407 | EA | 2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear | 455.53 | |
| 32 93 43 00-0408 | EA | 3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear | 617.71 | |
| 32 93 43 00-0409 | EA | 3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear | 808.91 | |
| 32 93 43 00-0410 | EA | 5 Gallon Pyrus calleryana 'Chanticleer' - Chanticleer Flowering Pear | 25.09 | |
| 32 93 43 00-0411 | EA | 15 Gallon Pyrus calleryana 'Chanticleer' - Chanticleer Flowering Pear | 65.24 | |
| 32 93 43 00-0412 | EA | 24" Box Pyrus calleryana 'Chanticleer' - Chanticleer Flowering Pear | 225.85 | |
| 32 93 43 00-0413 | EA | 36" Box Pyrus calleryana 'Chanticleer' - Chanticleer Flowering Pear | 602.26 | |
| 32 93 43 00-0414 | EA | 1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear | 535.81 | |
| 32 93 43 00-0415 | EA | 2" Caliper Pyrus calleryana & cvs - Callery Pear | 669.76 | |
| 32 93 43 00-0416 | EA | 2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear | 830.50 | |
| 32 93 43 00-0417 | EA | 3" Caliper Pyrus calleryana & cvs - Callery Pear | 937.67 | |
| 32 93 43 00-0418 | EA | 3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear | 1,044.83 | |
| 32 93 43 00-0419 | EA | 4" Caliper Pyrus calleryana & cvs - Callery Pear | 1,339.52 | |
| 32 93 43 00-0420 | EA | 5 Gallon Quercus kelloggii - California Black Oak | 50.82 | |
| 32 93 43 00-0421 | EA | 15 Gallon Quercus kelloggii - California Black Oak | 90.34 | |
| 32 93 43 00-0422 | EA | 1 Gallon Quercus lobata - Valley Oak | 10.15 | |
| 32 93 43 00-0423 | EA | 5 Gallon Quercus lobata - Valley Oak | 30.48 | |
| 32 93 43 00-0424 | EA | 15 Gallon Quercus lobata - Valley Oak | 91.46 | |
| 32 93 43 00-0425 | EA | 1 Gallon Ribes aureum - Golden Current | 5.70 | |
| 32 93 43 00-0426 | EA | 5 Gallon Ribes aureum - Golden Current | 16.30 | |
| 32 93 43 00-0427 | EA | 1 Gallon Ribes sanguineum - Red Flowering Currant | 5.70 | |
| 32 93 43 00-0428 | EA | 5 Gallon Ribes sanguineum - Red Flowering Currant | 16.30 | |
| 32 93 43 00-0429 | EA | 1 Gallon Ribes viburnifolium - Evergreen Currant | 5.70 | |
| 32 93 43 00-0430 | EA | 5 Gallon Ribes viburnifolium - Evergreen Currant | 16.30 | |
| 32 93 43 00-0431 | EA | 1-3/4" Caliper Sophora japonica - Japanese Pagoda | 407.20 | |
| 32 93 43 00-0432 | EA | 2" Caliper Sophora japonica - Japanese Pagoda | 458.10 | |
| 32 93 43 00-0433 | EA | 2-1/2" Caliper Sophora japonica - Japanese Pagoda | 534.45 | |
| 32 93 43 00-0434 | EA | 3" Caliper Sophora japonica - Japanese Pagoda | 781.68 | |
| 32 93 43 00-0435 | EA | 3-1/2" Caliper Sophora japonica - Japanese Pagoda | 1,181.60 | |
| 32 93 43 00-0436 | EA | 1-1/2" Caliper Sorbus alnifolia - Korean Mountainash | 304.57 | |
| 32 93 43 00-0437 | EA | 2" Caliper Sorbus alnifolia - Korean Mountainash | 380.72 | |
| 32 93 43 00-0438 | EA | 2-1/2" Caliper Sorbus alnifolia - Korean Mountainash | 472.09 | |
| 32 93 43 00-0439 | EA | 3" Caliper Sorbus alnifolia - Korean Mountainash | 578.69 | |
| 32 93 43 00-0440 | EA | 3-1/2" Caliper Sorbus alnifolia - Korean Mountainash | 700.52 | |
| 32 93 43 00-0441 | EA | 4" Caliper Sorbus alnifolia - Korean Mountainash | 837.58 | |
| 32 93 43 00-0442 | EA | 1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac | 395.95 | |
| 32 93 43 00-0443 | EA | 2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac | 426.40 | |
| 32 93 43 00-0444 | EA | 2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac | 517.78 | |
| 32 93 43 00-0445 | EA | 4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac | 243.66 | |
| 32 93 43 00-0446 | EA | 5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac | 289.35 | |
| 32 93 43 00-0447 | EA | 6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac | 335.03 | |
| 32 93 43 00-0448 | EA | 7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac | 380.72 | |
| 32 93 43 00-0449 | EA | 8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac | 441.63 | |
| 32 93 43 00-0450 | EA | 10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac | 563.46 | |
| 32 93 43 00-0451 | EA | 12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac | 639.61 | |
| 32 93 43 00-0452 | EA | 14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac | 730.98 | |
| 32 93 43 00-0453 | EA | 6' Prunus cerasifera - Purple Leaf Plum | 241.78 | |
| 32 93 43 00-0454 | EA | 8' Prunus cerasifera - Purple Leaf Plum | 278.97 | |
| 32 93 43 00-0455 | EA | 10' Prunus cerasifera - Purple Leaf Plum | 359.57 | |
| 32 93 43 00-0456 | EA | 24" Box Prunus cerasifera - Purple Leaf Plum | 382.81 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-0457 | EA | 30" Box Prunus cerasifera - Purple Leaf Plum | 774.92 | |
| 32 93 43 00-0458 | EA | 36" Box Prunus cerasifera - Purple Leaf Plum | 1,188.74 | |
| 32 93 43 00-0459 | EA | 6' Pittosporum phillyraeoides - Willow Pittorporum | 505.25 | |
| 32 93 43 00-0460 | EA | 8' Pittosporum phillyraeoides - Willow Pittorporum | 722.23 | |
| 32 93 43 00-0461 | EA | 10' Pittosporum phillyraeoides - Willow Pittorporum | 864.82 | |
| 32 93 43 00-0462 | EA | 12' Pittosporum phillyraeoides - Willow Pittorporum | 1,115.89 | |
| 32 93 43 00-0463 | EA | 24" Box Sapium sebiferum - Chinese Tallow Tree | 770.57 | |
| 32 93 43 00-0464 | EA | 15 Gallon Sapium sebiferum - Chinese Tallow Tree | 210.16 | |
| 32 93 43 00-0465 | EA | 6' Stenocarpus sinuatus - Firewheel Tree | 743.93 | |
| 32 93 43 00-0466 | EA | 8' Stenocarpus sinuatus - Firewheel Tree | 991.90 | |
| 32 93 43 00-0467 | EA | 10" Stenocarpus sinuatus - Firewheel Tree | 1,239.88 | |
| 32 93 43 00-0468 | EA | 12' Stenocarpus sinuatus - Firewheel Tree | 1,487.86 | |
| 32 93 43 00-0469 | EA | 24" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree | 378.99 | |
| 32 93 43 00-0470 | EA | 36" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree | 1,097.08 | |
| 32 93 43 00-0471 | EA | 2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree | 672.63 | |
| 32 93 43 00-0472 | EA | 1-1/2" Caliper Tipuana tipu - Tipu Tree | 480.45 | |
| 32 93 43 00-0473 | EA | 2" Caliper Tipuana tipu - Tipu Tree | 626.14 | |
| 32 93 43 00-0474 | EA | 2-1/2" Caliper Tipuana tipu - Tipu Tree | 793.52 | |
| 32 93 43 00-0475 | EA | 3" Caliper Tipuana tipu - Tipu Tree | 914.41 | |
| 32 93 43 00-0476 | EA | 3-1/2" Caliper Tipuana tipu - Tipu Tree | 1,345.27 | |
| 32 93 43 00-0477 | EA | 4" Caliper Tipuana tipu - Tipu Tree | 1,797.83 | |
| 32 93 43 00-0478 | EA | 1 Gallon Tipuana tipu - Tipu Tree | 7.34 | |
| 32 93 43 00-0479 | EA | 5 Gallon Tipuana tipu - Tipu Tree | 20.33 | |
| 32 93 43 00-0480 | EA | 15 Gallon Tipuana tipu - Tipu Tree | 66.62 | |
| 32 93 43 00-0481 | EA | 24" Box Tipuana tipu - Tipu Tree | 362.66 | |

## 32 93 43 00-0482 Deciduous Shade Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

| | | | | |
|---|---|---|---|---|
| 32 93 43 00-0483 | EA | 3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple | 233.37 | |
| 32 93 43 00-0484 | EA | 4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple | 286.07 | |
| 32 93 43 00-0485 | EA | 4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple | 372.65 | |
| 32 93 43 00-0486 | EA | 5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple | 483.06 | |
| 32 93 43 00-0487 | EA | 2' To 2-1/2' Acer palmatum - Japanese Maple | 24.62 | |
| 32 93 43 00-0488 | EA | 4' To 5' Acer palmatum - Japanese Maple | 51.69 | |
| 32 93 43 00-0489 | EA | 5' To 6' Acer palmatum - Japanese Maple | 67.69 | |
| 32 93 43 00-0490 | EA | 6' To 7' Acer palmatum - Japanese Maple | 123.07 | |
| 32 93 43 00-0491 | EA | 7' To 8' Acer palmatum - Japanese Maple | 172.30 | |
| 32 93 43 00-0492 | EA | 8' To 10' Acer palmatum - Japanese Maple | 221.53 | |
| 32 93 43 00-0493 | EA | 10' To 12' Acer palmatum - Japanese Maple | 295.38 | |
| 32 93 43 00-0494 | EA | 2" Caliper Acer platanoides & cvs - Norway Maple | 125.47 | |
| 32 93 43 00-0495 | EA | 2" Caliper Acer platanoides & cvs - Norway Maple | 152.75 | |
| 32 93 43 00-0496 | EA | 3" Caliper Acer platanoides & cvs - Norway Maple | 196.39 | |
| 32 93 43 00-0497 | EA | 3-1/2" Caliper Acer platanoides & cvs - Norway Maple | 229.12 | |
| 32 93 43 00-0498 | EA | 4" Caliper Acer platanoides & cvs - Norway Maple | 245.48 | |
| 32 93 43 00-0499 | EA | 4-1/2" Caliper Acer platanoides & cvs - Norway Maple | 267.31 | |
| 32 93 43 00-0500 | EA | 5" Caliper Acer platanoides & cvs - Norway Maple | 300.04 | |
| 32 93 43 00-0501 | EA | 2" Caliper Acer rubrum & cvs - Red Maple | 120.01 | |
| 32 93 43 00-0502 | EA | 2-1/2" Caliper Acer rubrum & cvs - Red Maple | 152.75 | |
| 32 93 43 00-0503 | EA | 3" Caliper Acer rubrum & cvs - Red Maple | 196.39 | |
| 32 93 43 00-0504 | EA | 3-1/2" Caliper Acer rubrum & cvs - Red Maple | 240.03 | |
| 32 93 43 00-0505 | EA | 4" Caliper Acer rubrum & cvs - Red Maple | 272.76 | |
| 32 93 43 00-0506 | EA | 4-1/2" Caliper Acer rubrum & cvs - Red Maple | 316.40 | |
| 32 93 43 00-0507 | EA | 5" Caliper Acer rubrum & cvs - Red Maple | 354.59 | |
| 32 93 43 00-0508 | EA | 8' Clump Form Acer rubrum & cvs - Red Maple | 147.29 | |
| 32 93 43 00-0509 | EA | 10' Clump Form Acer rubrum & cvs - Red Maple | 196.39 | |
| 32 93 43 00-0510 | EA | 12' Clump Form Acer rubrum & cvs - Red Maple | 229.12 | |
| 32 93 43 00-0511 | EA | 14' Clump Form Acer rubrum & cvs - Red Maple | 261.85 | |
| 32 93 43 00-0512 | EA | 16' Clump Form Acer rubrum & cvs - Red Maple | 294.58 | |
| 32 93 43 00-0513 | EA | 18' Clump Form Acer rubrum & cvs - Red Maple | 327.31 | |
| 32 93 43 00-0514 | EA | 2" Caliper Acer saccharinum & cvs - Silver Maple | 98.19 | |
| 32 93 43 00-0515 | EA | 2-1/2" Caliper Acer saccharinum & cvs - Silver Maple | 130.93 | |
| 32 93 43 00-0516 | EA | 3" Caliper Acer saccharinum & cvs - Silver Maple | 163.66 | |
| 32 93 43 00-0517 | EA | 3-1/2" Caliper Acer saccharinum & cvs - Silver Maple | 196.39 | |
| 32 93 43 00-0518 | EA | 4" Caliper Acer saccharinum & cvs - Silver Maple | 229.12 | |
| 32 93 43 00-0519 | EA | 4-1/2" Caliper Acer saccharinum & cvs - Silver Maple | 261.85 | |
| 32 93 43 00-0520 | EA | 5" Caliper Acer saccharinum & cvs - Silver Maple | 294.58 | |
| 32 93 43 00-0521 | EA | 2" Caliper Acer saccharum & cvs - Sugar Maple | 120.01 | |
| 32 93 43 00-0522 | EA | 2-1/2" Caliper Acer saccharum & cvs - Sugar Maple | 158.20 | |
| 32 93 43 00-0523 | EA | 3" Caliper Acer saccharum & cvs - Sugar Maple | 190.93 | |
| 32 93 43 00-0524 | EA | 3-1/2" Caliper Acer saccharum & cvs - Sugar Maple | 218.21 | |
| 32 93 43 00-0525 | EA | 4" Caliper Acer saccharum & cvs - Sugar Maple | 256.40 | |
| 32 93 43 00-0526 | EA | 4-1/2" Caliper Acer saccharum & cvs - Sugar Maple | 294.58 | |
| 32 93 43 00-0527 | EA | 5" Caliper Acer saccharum & cvs - Sugar Maple | 327.31 | |
| 32 93 43 00-0528 | EA | 10' Clump Form Acer saccharum & cvs - Sugar Maple | 218.21 | |
| 32 93 43 00-0529 | EA | 12' Clump Form Acer saccharum & cvs - Sugar Maple | 256.40 | |
| 32 93 43 00-0530 | EA | 14' Clump Form Acer saccharum & cvs - Sugar Maple | 300.04 | |
| 32 93 43 00-0531 | EA | 16' Clump Form Acer saccharum & cvs - Sugar Maple | 332.77 | |
| 32 93 43 00-0532 | EA | 18' Clump Form Acer saccharum & cvs - Sugar Maple | 403.69 | |
| 32 93 43 00-0533 | EA | 20' Clump Form Acer saccharum & cvs - Sugar Maple | 436.42 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-0534 | EA | 2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple | 136.38 | |
| 32 93 43 00-0535 | EA | 2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple | 169.11 | |
| 32 93 43 00-0536 | EA | 3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple | 207.30 | |
| 32 93 43 00-0537 | EA | 3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple | 240.03 | |
| 32 93 43 00-0538 | EA | 4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple | 261.85 | |
| 32 93 43 00-0539 | EA | 4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple | 289.13 | |
| 32 93 43 00-0540 | EA | 5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple | 321.86 | |
| 32 93 43 00-0541 | EA | 10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple | 196.39 | |
| 32 93 43 00-0542 | EA | 12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple | 259.67 | |
| 32 93 43 00-0543 | EA | 14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple | 302.22 | |
| 32 93 43 00-0544 | EA | 16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple | 332.77 | |
| 32 93 43 00-0545 | EA | 18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple | 403.69 | |
| 32 93 43 00-0546 | EA | 20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple | 436.42 | |
| 32 93 43 00-0547 | EA | 2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut | 190.93 | |
| 32 93 43 00-0548 | EA | 2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut | 212.75 | |
| 32 93 43 00-0549 | EA | 3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut | 240.03 | |
| 32 93 43 00-0550 | EA | 3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut | 272.76 | |
| 32 93 43 00-0551 | EA | 4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut | 327.31 | |
| 32 93 43 00-0552 | EA | 2" Caliper Aesculus x carnea - Red Horsechestnut | 190.93 | |
| 32 93 43 00-0553 | EA | 2-1/2" Caliper Aesculus x carnea - Red Horsechestnut | 212.75 | |
| 32 93 43 00-0554 | EA | 3" Caliper Aesculus x carnea - Red Horsechestnut | 240.03 | |
| 32 93 43 00-0555 | EA | 3-1/2" Caliper Aesculus x carnea - Red Horsechestnut | 272.76 | |
| 32 93 43 00-0556 | EA | 4" Caliper Aesculus x carnea - Red Horsechestnut | 327.31 | |
| 32 93 43 00-0557 | EA | 2" Caliper Alnus glutinosa - Common Alder, Black Alder | 136.38 | |
| 32 93 43 00-0558 | EA | 2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder | 158.20 | |
| 32 93 43 00-0559 | EA | 3" Caliper Alnus glutinosa - Common Alder, Black Alder | 180.02 | |
| 32 93 43 00-0560 | EA | 3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder | 207.30 | |
| 32 93 43 00-0561 | EA | 8' Clump Form Alnus glutinosa - Common Alder, Black Alder | 141.84 | |
| 32 93 43 00-0562 | EA | 10' Clump Form Alnus glutinosa - Common Alder, Black Alder | 174.57 | |
| 32 93 43 00-0563 | EA | 12' Clump Form Alnus glutinosa - Common Alder, Black Alder | 196.39 | |
| 32 93 43 00-0564 | EA | 14' Clump Form Alnus glutinosa - Common Alder, Black Alder | 218.21 | |
| 32 93 43 00-0565 | EA | 16' Clump Form Alnus glutinosa - Common Alder, Black Alder | 245.48 | |
| 32 93 43 00-0566 | EA | 18' Clump Form Alnus glutinosa - Common Alder, Black Alder | 272.76 | |
| 32 93 43 00-0567 | EA | 2" Caliper Betula nigra - River Birch | 136.38 | |
| 32 93 43 00-0568 | EA | 2-1/2" Caliper Betula nigra - River Birch | 154.44 | |
| 32 93 43 00-0569 | EA | 3" Caliper Betula nigra - River Birch | 174.57 | |
| 32 93 43 00-0570 | EA | 3-1/2" Caliper Betula nigra - River Birch | 218.21 | |
| 32 93 43 00-0571 | EA | 4" Caliper Betula nigra - River Birch | 245.48 | |
| 32 93 43 00-0572 | EA | 4-1/2" Caliper Betula nigra - River Birch | 272.76 | |
| 32 93 43 00-0573 | EA | 5" Caliper Betula nigra - River Birch | 300.04 | |
| 32 93 43 00-0574 | EA | 8' Clump Form Betula nigra - River Birch | 125.47 | |
| 32 93 43 00-0575 | EA | 10' Clump Form Betula nigra - River Birch | 141.84 | |
| 32 93 43 00-0576 | EA | 12' Clump Form Betula nigra - River Birch | 163.66 | |
| 32 93 43 00-0577 | EA | 14' Clump Form Betula nigra - River Birch | 190.93 | |
| 32 93 43 00-0578 | EA | 16' Clump Form Betula nigra - River Birch | 218.21 | |
| 32 93 43 00-0579 | EA | 12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch | 163.66 | |
| 32 93 43 00-0580 | EA | 14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch | 196.39 | |
| 32 93 43 00-0581 | EA | 16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch | 229.12 | |
| 32 93 43 00-0582 | EA | 18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch | 272.76 | |
| 32 93 43 00-0583 | EA | 20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch | 283.67 | |
| 32 93 43 00-0584 | EA | 2" Caliper Carpinus betulus & cvs - European Hornbeam | 218.21 | |
| 32 93 43 00-0585 | EA | 2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam | 245.48 | |
| 32 93 43 00-0586 | EA | 3" Caliper Carpinus betulus & cvs - European Hornbeam | 283.67 | |
| 32 93 43 00-0587 | EA | 3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam | 343.68 | |
| 32 93 43 00-0588 | EA | 6' Clump Form Carpinus betulus & cvs - European Hornbeam | 98.19 | |
| 32 93 43 00-0589 | EA | 7' Clump Form Carpinus betulus & cvs - European Hornbeam | 136.38 | |
| 32 93 43 00-0590 | EA | 8' Clump Form Carpinus betulus & cvs - European Hornbeam | 169.11 | |
| 32 93 43 00-0591 | EA | 2" Caliper Catalpa speciosa - Western Catalpa | 120.01 | |
| 32 93 43 00-0592 | EA | 2-1/2" Caliper Catalpa speciosa - Western Catalpa | 163.66 | |
| 32 93 43 00-0593 | EA | 3" Caliper Catalpa speciosa - Western Catalpa | 212.75 | |
| 32 93 43 00-0594 | EA | 3-1/2" Caliper Catalpa speciosa - Western Catalpa | 256.40 | |
| 32 93 43 00-0595 | EA | 4" Caliper Catalpa speciosa - Western Catalpa | 294.58 | |
| 32 93 43 00-0596 | EA | 2" Caliper Celtis occidentalis & cvs - Common Hackberry | 152.75 | |
| 32 93 43 00-0597 | EA | 2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry | 174.57 | |
| 32 93 43 00-0598 | EA | 3" Caliper Celtis occidentalis & cvs - Common Hackberry | 212.75 | |
| 32 93 43 00-0599 | EA | 3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry | 250.94 | |
| 32 93 43 00-0600 | EA | 4" Caliper Celtis occidentalis & cvs - Common Hackberry | 289.13 | |
| 32 93 43 00-0601 | EA | 4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry | 327.31 | |
| 32 93 43 00-0602 | EA | 3" Caliper Cercidiphyllum japonicum - Katsuratree | 190.93 | |
| 32 93 43 00-0603 | EA | 3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree | 218.21 | |
| 32 93 43 00-0604 | EA | 4" Caliper Cercidiphyllum japonicum - Katsuratree | 256.40 | |
| 32 93 43 00-0605 | EA | 5" Caliper Cercidiphyllum japonicum - Katsuratree | 305.49 | |
| 32 93 43 00-0606 | EA | 6' Clump Form Cercidiphyllum japonicum - Katsuratree | 152.75 | |
| 32 93 43 00-0607 | EA | 7' Clump Form Cercidiphyllum japonicum - Katsuratree | 180.02 | |
| 32 93 43 00-0608 | EA | 8' Clump Form Cercidiphyllum japonicum - Katsuratree | 218.21 | |
| 32 93 43 00-0609 | EA | 10' Clump Form Cercidiphyllum japonicum - Katsuratree | 272.76 | |
| 32 93 43 00-0610 | EA | 12' Clump Form Cercidiphyllum japonicum - Katsuratree | 327.31 | |
| 32 93 43 00-0611 | EA | 2" Caliper Cladrastus lutea - American Yellowwood | 272.76 | |
| 32 93 43 00-0612 | EA | 2-1/2" Caliper Cladrastus lutea - American Yellowwood | 327.31 | |
| 32 93 43 00-0613 | EA | 3" Caliper Cladrastus lutea - American Yellowwood | 381.87 | |
| 32 93 43 00-0614 | EA | 3-1/2" Caliper Cladrastus lutea - American Yellowwood | 436.42 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-0615 | EA | 2" Caliper Corylus colurna - Turkish Filbert | 169.11 | |
| 32 93 43 00-0616 | EA | 2-1/2" Caliper Corylus colurna - Turkish Filbert | 190.93 | |
| 32 93 43 00-0617 | EA | 3" Caliper Corylus colurna - Turkish Filbert | 218.21 | |
| 32 93 43 00-0618 | EA | 3-1/2" Caliper Corylus colurna - Turkish Filbert | 250.94 | |
| 32 93 43 00-0619 | EA | 4" Caliper Corylus colurna - Turkish Filbert | 300.04 | |
| 32 93 43 00-0620 | EA | 4-1/2" Caliper Corylus colurna - Turkish Filbert | 349.13 | |
| 32 93 43 00-0621 | EA | 5" Caliper Corylus colurna - Turkish Filbert | 398.23 | |
| 32 93 43 00-0622 | EA | 8' Clump Form Corylus colurna - Turkish Filbert | 152.75 | |
| 32 93 43 00-0623 | EA | 10' Clump Form Corylus colurna - Turkish Filbert | 185.48 | |
| 32 93 43 00-0624 | EA | 12' Clump Form Corylus colurna - Turkish Filbert | 218.21 | |
| 32 93 43 00-0625 | EA | 14' Clump Form Corylus colurna - Turkish Filbert | 245.48 | |
| 32 93 43 00-0626 | EA | 16' Clump Form Corylus colurna - Turkish Filbert | 272.76 | |
| 32 93 43 00-0627 | EA | 1-1/2" Caliper Diospyros - Persimmon | 98.19 | |
| 32 93 43 00-0628 | EA | 2" Caliper Diospyros - Persimmon | 120.01 | |
| 32 93 43 00-0629 | EA | 2-1/2" Caliper Diospyros - Persimmon | 152.75 | |
| 32 93 43 00-0630 | EA | 3" Caliper Diospyros - Persimmon | 190.93 | |
| 32 93 43 00-0631 | EA | 3-1/2" Caliper Diospyros - Persimmon | 229.12 | |
| 32 93 43 00-0632 | EA | 1-1/2" Caliper Fagus grandifolia - American Beech | 218.21 | |
| 32 93 43 00-0633 | EA | 2" Caliper Fagus grandifolia - American Beech | 283.67 | |
| 32 93 43 00-0634 | EA | 2-1/2" Caliper Fagus grandifolia - American Beech | 360.04 | |
| 32 93 43 00-0635 | EA | 3" Caliper Fagus grandifolia - American Beech | 436.42 | |
| 32 93 43 00-0636 | EA | 3-1/2" Caliper Fagus grandifolia - American Beech | 518.25 | |
| 32 93 43 00-0637 | EA | 2" Caliper Fagus sylvatica & cvs - European Beech | 245.48 | |
| 32 93 43 00-0638 | EA | 2-1/2" Caliper Fagus sylvatica & cvs - European Beech | 294.58 | |
| 32 93 43 00-0639 | EA | 3" Caliper Fagus sylvatica & cvs - European Beech | 354.59 | |
| 32 93 43 00-0640 | EA | 3-1/2" Caliper Fagus sylvatica & cvs - European Beech | 392.78 | |
| 32 93 43 00-0641 | EA | 4" Caliper Fagus sylvatica & cvs - European Beech | 463.69 | |
| 32 93 43 00-0642 | EA | 4-1/2" Caliper Fagus sylvatica & cvs - European Beech | 600.07 | |
| 32 93 43 00-0643 | EA | 5" Caliper Fagus sylvatica & cvs - European Beech | 709.18 | |
| 32 93 43 00-0644 | EA | 2" Caliper Fraxinus americana & cvs - White Ash | 136.38 | |
| 32 93 43 00-0645 | EA | 2-1/2" Caliper Fraxinus americana & cvs - White Ash | 163.66 | |
| 32 93 43 00-0646 | EA | 3" Caliper Fraxinus americana & cvs - White Ash | 207.30 | |
| 32 93 43 00-0647 | EA | 3-1/2" Caliper Fraxinus americana & cvs - White Ash | 250.94 | |
| 32 93 43 00-0648 | EA | 4" Caliper Fraxinus americana & cvs - White Ash | 294.58 | |
| 32 93 43 00-0649 | EA | 4-1/2" Caliper Fraxinus americana & cvs - White Ash | 327.31 | |
| 32 93 43 00-0650 | EA | 5" Caliper Fraxinus americana & cvs - White Ash | 381.87 | |
| 32 93 43 00-0651 | EA | 2" Caliper Fraxinus pennsylvanica & cvs - Green Ash | 120.01 | |
| 32 93 43 00-0652 | EA | 2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash | 141.84 | |
| 32 93 43 00-0653 | EA | 3" Caliper Fraxinus pennsylvanica & cvs - Green Ash | 190.93 | |
| 32 93 43 00-0654 | EA | 3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash | 229.12 | |
| 32 93 43 00-0655 | EA | 4" Caliper Fraxinus pennsylvanica & cvs - Green Ash | 272.76 | |
| 32 93 43 00-0656 | EA | 4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash | 294.58 | |
| 32 93 43 00-0657 | EA | 5" Caliper Fraxinus pennsylvanica & cvs - Green Ash | 327.31 | |
| 32 93 43 00-0658 | EA | 1-1/2" Caliper Fraxinus quadrangulata - Blue Ash | 163.66 | |
| 32 93 43 00-0659 | EA | 2" Caliper Fraxinus quadrangulata - Blue Ash | 201.84 | |
| 32 93 43 00-0660 | EA | 2-1/2" Caliper Fraxinus quadrangulata - Blue Ash | 245.48 | |
| 32 93 43 00-0661 | EA | 3" Caliper Fraxinus quadrangulata - Blue Ash | 300.04 | |
| 32 93 43 00-0662 | EA | 3-1/2" Caliper Fraxinus quadrangulata - Blue Ash | 354.59 | |
| 32 93 43 00-0663 | EA | 1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) | 190.93 | |
| 32 93 43 00-0664 | EA | 2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) | 212.75 | |
| 32 93 43 00-0665 | EA | 2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) | 240.03 | |
| 32 93 43 00-0666 | EA | 3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) | 267.31 | |
| 32 93 43 00-0667 | EA | 3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) | 300.04 | |
| 32 93 43 00-0668 | EA | 4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) | 327.31 | |
| 32 93 43 00-0669 | EA | 4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) | 490.97 | |
| 32 93 43 00-0670 | EA | 5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) | 545.52 | |
| 32 93 43 00-0671 | EA | 2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust | 130.93 | |
| 32 93 43 00-0672 | EA | 2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust | 163.66 | |
| 32 93 43 00-0673 | EA | 3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust | 196.39 | |
| 32 93 43 00-0674 | EA | 3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust | 229.12 | |
| 32 93 43 00-0675 | EA | 4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust | 261.85 | |
| 32 93 43 00-0676 | EA | 4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust | 294.58 | |
| 32 93 43 00-0677 | EA | 5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust | 349.13 | |
| 32 93 43 00-0678 | EA | 10' - 12' Bursera Simaruba - Gumbo Limbo | 69.01 | |
| 32 93 43 00-0679 | EA | 12' - 14' Bursera Simaruba - Gumbo Limbo | 81.56 | |
| 32 93 43 00-0680 | EA | 14' - 16' Bursera Simaruba - Gumbo Limbo | 112.92 | |
| 32 93 43 00-0681 | EA | 17' - 18' Bursera Simaruba - Gumbo Limbo | 146.80 | |
| 32 93 43 00-0682 | EA | 19' - 20' Bursera Simaruba - Gumbo Limbo | 163.11 | |
| 32 93 43 00-0683 | EA | 21' - 22' Bursera Simaruba - Gumbo Limbo | 193.22 | |
| 32 93 43 00-0684 | EA | 2" Caliper Gymnocladus dioicus - Kentucky Coffeetree | 169.11 | |
| 32 93 43 00-0685 | EA | 2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree | 207.30 | |
| 32 93 43 00-0686 | EA | 3" Caliper Gymnocladus dioicus - Kentucky Coffeetree | 245.48 | |
| 32 93 43 00-0687 | EA | 3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree | 289.13 | |
| 32 93 43 00-0688 | EA | 4" Caliper Gymnocladus dioicus - Kentucky Coffeetree | 327.31 | |
| 32 93 43 00-0689 | EA | 4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree | 365.50 | |
| 32 93 43 00-0690 | EA | 5" Caliper Gymnocladus dioicus - Kentucky Coffeetree | 409.14 | |
| 32 93 43 00-0691 | EA | 1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree | 84.43 | |
| 32 93 43 00-0692 | EA | 2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree | 103.42 | |
| 32 93 43 00-0693 | EA | 2-1/2' To 3" Caliper Zelkova serrata - Japanese Keaki Tree | 131.03 | |
| 32 93 43 00-0694 | EA | 1-1/2" Caliper Juglans cinerea - Butternut | 130.93 | |
| 32 93 43 00-0695 | EA | 2" Caliper Juglans cinerea - Butternut | 152.75 | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-0696 | EA | 2-1/2" Caliper Juglans cinerea - Butternut | 190.93 | |
| 32 93 43 00-0697 | EA | 3" Caliper Juglans cinerea - Butternut | 240.03 | |
| 32 93 43 00-0698 | EA | 3-1/2" Caliper Juglans cinerea - Butternut | 294.58 | |
| 32 93 43 00-0699 | EA | 1-1/2" Caliper Juglans californica - California Walnut | 130.93 | |
| 32 93 43 00-0700 | EA | 2" Caliper Juglans californica - California Walnut | 152.75 | |
| 32 93 43 00-0701 | EA | 2-1/2" Caliper Juglans californica - California Walnut | 190.93 | |
| 32 93 43 00-0702 | EA | 3" Caliper Juglans californica - California Walnut | 240.03 | |
| 32 93 43 00-0703 | EA | 3-1/2" Caliper Juglans californica - California Walnut | 294.58 | |
| 32 93 43 00-0704 | EA | 4" Caliper Juglans californica - California Walnut | 354.59 | |
| 32 93 43 00-0705 | EA | 4-1/2" Caliper Juglans californica - California Walnut | 409.14 | |
| 32 93 43 00-0706 | EA | 5" Caliper Juglans californica - California Walnut | 463.69 | |
| 32 93 43 00-0707 | EA | 5 Gallon Koelreuteria Paniculata - Goldenrain Tree | 14.77 | |
| 32 93 43 00-0708 | EA | 15 Gallon Koelreuteria Paniculata - Goldenrain Tree | 36.92 | |
| 32 93 43 00-0709 | EA | 20 Gallon Koelreuteria Paniculata - Goldenrain Tree | 73.84 | |
| 32 93 43 00-0710 | EA | 55 Gallon Koelreuteria Paniculata - Goldenrain Tree | 96.00 | |
| 32 93 43 00-0711 | EA | 1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree | 70.15 | |
| 32 93 43 00-0712 | EA | 2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree | 84.92 | |
| 32 93 43 00-0713 | EA | 2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree | 118.15 | |
| 32 93 43 00-0714 | EA | 1-1/2" Caliper Liquidambar styraciflua - American Sweetgum | 174.57 | |
| 32 93 43 00-0715 | EA | 2" Caliper Liquidambar styraciflua - American Sweetgum | 218.21 | |
| 32 93 43 00-0716 | EA | 2-1/2" Caliper Liquidambar styraciflua - American Sweetgum | 272.76 | |
| 32 93 43 00-0717 | EA | 3" Caliper Liquidambar styraciflua - American Sweetgum | 327.31 | |
| 32 93 43 00-0718 | EA | 3-1/2" Caliper Liquidambar styraciflua - American Sweetgum | 381.87 | |
| 32 93 43 00-0719 | EA | 1-1/2" Caliper Liriodendron tulipifera - Tulip Tree | 174.57 | |
| 32 93 43 00-0720 | EA | 2" Caliper Liriodendron tulipifera - Tulip Tree | 240.03 | |
| 32 93 43 00-0721 | EA | 2-1/2" Caliper Liriodendron tulipifera - Tulip Tree | 283.67 | |
| 32 93 43 00-0722 | EA | 3" Caliper Liriodendron tulipifera - Tulip Tree | 327.31 | |
| 32 93 43 00-0723 | EA | 3-1/2" Caliper Liriodendron tulipifera - Tulip Tree | 370.95 | |
| 32 93 43 00-0724 | EA | 8' Clump Form Liriodendron tulipifera - Tulip Tree | 130.93 | |
| 32 93 43 00-0725 | EA | 10' Clump Form Liriodendron tulipifera - Tulip Tree | 234.57 | |
| 32 93 43 00-0726 | EA | 12' Clump Form Liriodendron tulipifera - Tulip Tree | 283.67 | |
| 32 93 43 00-0727 | EA | 1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum | 174.57 | |
| 32 93 43 00-0728 | EA | 2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum | 218.21 | |
| 32 93 43 00-0729 | EA | 2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum | 272.76 | |
| 32 93 43 00-0730 | EA | 3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum | 327.31 | |
| 32 93 43 00-0731 | EA | 3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum | 381.87 | |
| 32 93 43 00-0732 | EA | 4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum | 76.37 | |
| 32 93 43 00-0733 | EA | 5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum | 87.28 | |
| 32 93 43 00-0734 | EA | 6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum | 103.65 | |
| 32 93 43 00-0735 | EA | 7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum | 130.93 | |
| 32 93 43 00-0736 | EA | 8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum | 163.66 | |
| 32 93 43 00-0737 | EA | 2" Caliper Ostrya virginiana - American Hophornbeam | 141.84 | |
| 32 93 43 00-0738 | EA | 2-1/2" Caliper Ostrya virginiana - American Hophornbeam | 180.02 | |
| 32 93 43 00-0739 | EA | 3" Caliper Ostrya virginiana - American Hophornbeam | 218.21 | |
| 32 93 43 00-0740 | EA | 3-1/2" Caliper Ostrya virginiana - American Hophornbeam | 256.40 | |
| 32 93 43 00-0741 | EA | 4" Caliper Ostrya virginiana - American Hophornbeam | 310.95 | |
| 32 93 43 00-0742 | EA | 2" Caliper Phellodendron amurense - Amur Corktree | 109.10 | |
| 32 93 43 00-0743 | EA | 2-1/2" Caliper Phellodendron amurense - Amur Corktree | 136.38 | |
| 32 93 43 00-0744 | EA | 3" Caliper Phellodendron amurense - Amur Corktree | 163.66 | |
| 32 93 43 00-0745 | EA | 3-1/2" Caliper Phellodendron amurense - Amur Corktree | 190.93 | |
| 32 93 43 00-0746 | EA | 4" Caliper Phellodendron amurense - Amur Corktree | 218.21 | |
| 32 93 43 00-0747 | EA | 4-1/2" Caliper Phellodendron amurense - Amur Corktree | 245.48 | |
| 32 93 43 00-0748 | EA | 5" Caliper Phellodendron amurense - Amur Corktree | 272.76 | |
| 32 93 43 00-0749 | EA | 1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane | 325.74 | |
| 32 93 43 00-0750 | EA | 2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane | 581.43 | |
| 32 93 43 00-0751 | EA | 2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane | 851.13 | |
| 32 93 43 00-0752 | EA | 3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane | 1,057.79 | |
| 32 93 43 00-0753 | EA | 3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane | 1,369.52 | |
| 32 93 43 00-0754 | EA | 4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane | 1,558.66 | |
| 32 93 43 00-0755 | EA | 24" Box Platanus acerifolia "Bloodgold" - London Plane | 409.80 | |
| 32 93 43 00-0756 | EA | 30" Box Platanus Occidentalis - Buttonwood Sycamore | 237.00 | |
| 32 93 43 00-0757 | EA | 36" Box Platanus Occidentalis - Buttonwood Sycamore | 344.73 | |
| 32 93 43 00-0758 | EA | 42" Box Platanus occidentalis - Buttonwood Sycamore | 512.81 | |
| 32 93 43 00-0759 | EA | 1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore | 79.30 | |
| 32 93 43 00-0760 | EA | 2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore | 94.81 | |
| 32 93 43 00-0761 | EA | 2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore | 129.27 | |
| 32 93 43 00-0762 | EA | 3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore | 156.88 | |
| 32 93 43 00-0763 | EA | 8' To 10' Platanus occidentalis - Green Or Silver Buttonwood | 65.24 | |
| 32 93 43 00-0764 | EA | 10' To 12' Platanus occidentalis - Green Or Silver Buttonwood | 81.56 | |
| 32 93 43 00-0765 | EA | 12' To 14' Platanus occidentalis - Green Or Silver Buttonwood | 144.29 | |
| 32 93 43 00-0766 | EA | 16' To 18' Platanus occidentalis - Green Or Silver Buttonwood | 207.03 | |
| 32 93 43 00-0767 | EA | 2" Caliper Platanus x acerifolia & cvs - London Planetree | 130.93 | |
| 32 93 43 00-0768 | EA | 2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree | 158.20 | |
| 32 93 43 00-0769 | EA | 3" Caliper Platanus x acerifolia & cvs - London Planetree | 190.93 | |
| 32 93 43 00-0770 | EA | 3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree | 229.12 | |
| 32 93 43 00-0771 | EA | 4" Caliper Platanus x acerifolia & cvs - London Planetree | 272.76 | |
| 32 93 43 00-0772 | EA | 2" Caliper Populus alba & cvs - White Poplar | 130.93 | |
| 32 93 43 00-0773 | EA | 2-1/2" Caliper Populus alba & cvs - White Poplar | 152.75 | |
| 32 93 43 00-0774 | EA | 3" Caliper Populus alba & cvs - White Poplar | 174.57 | |
| 32 93 43 00-0775 | EA | 3-1/2" Caliper Populus alba & cvs - White Poplar | 207.30 | |
| 32 93 43 00-0776 | EA | 4" Caliper Populus alba & cvs - White Poplar | 229.12 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-0777 | EA | 4-1/2" Caliper Populus alba & cvs - White Poplar | 261.85 | |
| 32 93 43 00-0778 | EA | 2" Caliper Populus deltoides & cvs - Eastern Cottonwood | 120.01 | |
| 32 93 43 00-0779 | EA | 2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood | 158.20 | |
| 32 93 43 00-0780 | EA | 3" Caliper Populus deltoides & cvs - Eastern Cottonwood | 190.93 | |
| 32 93 43 00-0781 | EA | 3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood | 229.12 | |
| 32 93 43 00-0782 | EA | 4" Caliper Populus deltoides & cvs - Eastern Cottonwood | 272.76 | |
| 32 93 43 00-0783 | EA | 1 Gallon Quercus agrifolia - Coast Live Oak | 11.18 | |
| 32 93 43 00-0784 | EA | 5 Gallon Quercus agrifolia - Coast Live Oak | 27.67 | |
| 32 93 43 00-0785 | EA | 15 Gallon Quercus agrifolia - Coast Live Oak | 89.21 | |
| 32 93 43 00-0786 | EA | 24" Box Quercus agrifolia - Coast Live Oak | 271.02 | |
| 32 93 43 00-0787 | EA | 6' To 8' Quercus acutissima - Sawtooth Oak | 41.02 | |
| 32 93 43 00-0788 | EA | 8' To 10' Quercus acutissima - Sawtooth Oak | 61.54 | |
| 32 93 43 00-0789 | EA | 10' To 12' Quercus acutissima - Sawtooth Oak | 71.79 | |
| 32 93 43 00-0790 | EA | 1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak | 82.05 | |
| 32 93 43 00-0791 | EA | 2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak | 92.31 | |
| 32 93 43 00-0792 | EA | 3" To 3-1/2" Caliper Quercus virginiana - Live Oak | 324.92 | |
| 32 93 43 00-0793 | EA | 3-1/2" To 4" Caliper Quercus virginiana - Live Oak | 437.89 | |
| 32 93 43 00-0794 | EA | 4" To 4-1/2" Caliper Quercus virginiana - Live Oak | 592.22 | |
| 32 93 43 00-0795 | EA | 4-1/2" To 5" Caliper Quercus virginiana - Live Oak | 790.46 | |
| 32 93 43 00-0796 | EA | 5" To 5-1/2" Caliper Quercus virginiana - Live Oak | 953.57 | |
| 32 93 43 00-0797 | EA | 5-1/2" To 6" Caliper Quercus virginiana - Live Oak | 1,053.95 | |
| 32 93 43 00-0798 | EA | 6" To 6-1/2" Caliper Quercus virginiana - Live Oak | 1,417.81 | |
| 32 93 43 00-0799 | EA | 6-1/2" To 7" Caliper Quercus Virginiana - Live Oak | 1,781.67 | |
| 32 93 43 00-0800 | EA | 7" To 7-1/2" Caliper Quercus virginiana - Live Oak | 2,145.54 | |
| 32 93 43 00-0801 | EA | 7-1/2" To 8" Caliper Quercus virginiana - Live Oak | 2,603.50 | |
| 32 93 43 00-0802 | EA | 8" To 8-1/2" Caliper Quercus virginiana - Live Oak | 3,061.47 | |
| 32 93 43 00-0803 | EA | 2" Caliper Quercus alba - White Oak | 163.66 | |
| 32 93 43 00-0804 | EA | 2-1/2" Caliper Quercus alba - White Oak | 190.93 | |
| 32 93 43 00-0805 | EA | 3" Caliper Quercus alba - White Oak | 240.03 | |
| 32 93 43 00-0806 | EA | 3-1/2" Caliper Quercus alba - White Oak | 300.04 | |
| 32 93 43 00-0807 | EA | 4" Caliper Quercus alba - White Oak | 354.59 | |
| 32 93 43 00-0808 | EA | 4-1/2" Caliper Quercus alba - White Oak | 436.42 | |
| 32 93 43 00-0809 | EA | 5" Caliper Quercus alba - White Oak | 518.25 | |
| 32 93 43 00-0810 | EA | 2" Caliper Quercus bicolor - Swamp White Oak | 190.93 | |
| 32 93 43 00-0811 | EA | 2-1/2" Caliper Quercus bicolor - Swamp White Oak | 218.21 | |
| 32 93 43 00-0812 | EA | 3" Caliper Quercus bicolor - Swamp White Oak | 250.94 | |
| 32 93 43 00-0813 | EA | 3-1/2" Caliper Quercus bicolor - Swamp White Oak | 278.22 | |
| 32 93 43 00-0814 | EA | 4" Caliper Quercus bicolor - Swamp White Oak | 316.40 | |
| 32 93 43 00-0815 | EA | 4-1/2" Caliper Quercus bicolor - Swamp White Oak | 349.13 | |
| 32 93 43 00-0816 | EA | 5" Caliper Quercus bicolor - Swamp White Oak | 392.78 | |
| 32 93 43 00-0817 | EA | 10' Clump Form Quercus bicolor - Swamp White Oak | 272.76 | |
| 32 93 43 00-0818 | EA | 12' Clump Form Quercus bicolor - Swamp White Oak | 327.31 | |
| 32 93 43 00-0819 | EA | 14' Clump Form Quercus bicolor - Swamp White Oak | 381.87 | |
| 32 93 43 00-0820 | EA | 16' Clump Form Quercus bicolor - Swamp White Oak | 436.42 | |
| 32 93 43 00-0821 | EA | 2" Caliper Quercus coccinea - Scarlet Oak | 141.84 | |
| 32 93 43 00-0822 | EA | 2-1/2" Caliper Quercus coccinea - Scarlet Oak | 180.02 | |
| 32 93 43 00-0823 | EA | 3" Caliper Quercus coccinea - Scarlet Oak | 223.66 | |
| 32 93 43 00-0824 | EA | 3-1/2" Caliper Quercus coccinea - Scarlet Oak | 272.76 | |
| 32 93 43 00-0825 | EA | 4" Caliper Quercus coccinea - Scarlet Oak | 327.31 | |
| 32 93 43 00-0826 | EA | 4-1/2" Caliper Quercus coccinea - Scarlet Oak | 387.32 | |
| 32 93 43 00-0827 | EA | 5" Caliper Quercus coccinea - Scarlet Oak | 452.78 | |
| 32 93 43 00-0828 | EA | 1-1/2" Caliper Quercus imbricaria - Shingle Oak | 141.84 | |
| 32 93 43 00-0829 | EA | 2" Caliper Quercus imbricaria - Shingle Oak | 190.93 | |
| 32 93 43 00-0830 | EA | 2-1/2" Caliper Quercus imbricaria - Shingle Oak | 256.40 | |
| 32 93 43 00-0831 | EA | 3" Caliper Quercus imbricaria - Shingle Oak | 381.87 | |
| 32 93 43 00-0832 | EA | 3-1/2" Caliper Quercus imbricaria - Shingle Oak | 518.25 | |
| 32 93 43 00-0833 | EA | 1-1/2" Caliper Quercus macrocarpa - Bur Oak | 141.84 | |
| 32 93 43 00-0834 | EA | 2" Caliper Quercus macrocarpa - Bur Oak | 169.11 | |
| 32 93 43 00-0835 | EA | 2-1/2" Caliper Quercus macrocarpa - Bur Oak | 201.84 | |
| 32 93 43 00-0836 | EA | 3" Caliper Quercus macrocarpa - Bur Oak | 245.48 | |
| 32 93 43 00-0837 | EA | 3-1/2" Caliper Quercus macrocarpa - Bur Oak | 300.04 | |
| 32 93 43 00-0838 | EA | 4" Caliper Quercus macrocarpa - Bur Oak | 354.59 | |
| 32 93 43 00-0839 | EA | 9' Clump Form Quercus macrocarpa - Bur Oak | 327.31 | |
| 32 93 43 00-0840 | EA | 10' Clump Form Quercus macrocarpa - Bur Oak | 381.87 | |
| 32 93 43 00-0841 | EA | 12' Clump Form Quercus macrocarpa - Bur Oak | 436.42 | |
| 32 93 43 00-0842 | EA | 2" Caliper Quercus palustris - Pin Oak | 120.01 | |
| 32 93 43 00-0843 | EA | 2-1/2" Caliper Quercus palustris - Pin Oak | 163.66 | |
| 32 93 43 00-0844 | EA | 3" Caliper Quercus palustris - Pin Oak | 212.75 | |
| 32 93 43 00-0845 | EA | 3-1/2" Caliper Quercus palustris - Pin Oak | 245.48 | |
| 32 93 43 00-0846 | EA | 4" Caliper Quercus palustris - Pin Oak | 283.67 | |
| 32 93 43 00-0847 | EA | 4-1/2" Caliper Quercus palustris - Pin Oak | 321.86 | |
| 32 93 43 00-0848 | EA | 5" Caliper Quercus palustris - Pin Oak | 354.59 | |
| 32 93 43 00-0849 | EA | 2" Caliper Quercus robur & cvs - English Oak | 141.84 | |
| 32 93 43 00-0850 | EA | 2-1/2" Caliper Quercus robur & cvs - English Oak | 174.57 | |
| 32 93 43 00-0851 | EA | 3" Caliper Quercus robur & cvs - English Oak | 207.30 | |
| 32 93 43 00-0852 | EA | 3-1/2" Caliper Quercus robur & cvs - English Oak | 245.48 | |
| 32 93 43 00-0853 | EA | 4" Caliper Quercus robur & cvs - English Oak | 283.67 | |
| 32 93 43 00-0854 | EA | 4-1/2" Caliper Quercus robur & cvs - English Oak | 327.31 | |
| 32 93 43 00-0855 | EA | 5" Caliper Quercus robur & cvs - English Oak | 370.95 | |
| 32 93 43 00-0856 | EA | 2" Caliper Quercus rubra - Red Oak | 163.66 | |
| 32 93 43 00-0857 | EA | 2-1/2" Caliper Quercus rubra - Red Oak | 190.93 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-0858 | EA | 3" Caliper Quercus rubra - Red Oak | 229.12 | |
| 32 93 43 00-0859 | EA | 3-1/2" Caliper Quercus rubra - Red Oak | 272.76 | |
| 32 93 43 00-0860 | EA | 4" Caliper Quercus rubra - Red Oak | 327.31 | |
| 32 93 43 00-0861 | EA | 4-1/2" Caliper Quercus rubra - Red Oak | 381.87 | |
| 32 93 43 00-0862 | EA | 5" Caliper Quercus rubra - Red Oak | 436.42 | |
| 32 93 43 00-0863 | EA | 16' Clump Form Quercus rubra - Red Oak | 354.59 | |
| 32 93 43 00-0864 | EA | 18' Clump Form Quercus rubra - Red Oak | 425.51 | |
| 32 93 43 00-0865 | EA | 20' Clump Form Quercus rubra - Red Oak | 474.60 | |
| 32 93 43 00-0866 | EA | 2" Caliper Quercus shumardii - Shumard Oak | 185.48 | |
| 32 93 43 00-0867 | EA | 2-1/2" Caliper Quercus shumardii - Shumard Oak | 234.57 | |
| 32 93 43 00-0868 | EA | 3" Caliper Quercus shumardii - Shumard Oak | 272.76 | |
| 32 93 43 00-0869 | EA | 3-1/2" Caliper Quercus shumardii - Shumard Oak | 327.31 | |
| 32 93 43 00-0870 | EA | 4" Caliper Quercus shumardii - Shumard Oak | 381.87 | |
| 32 93 43 00-0871 | EA | 4-1/2" Caliper Quercus shumardii - Shumard Oak | 436.42 | |
| 32 93 43 00-0872 | EA | 5" Caliper Quercus shumardii - Shumard Oak | 490.97 | |
| 32 93 43 00-0873 | EA | 2" Caliper Quercus schuettii - Swamp Bur Oak | 163.66 | |
| 32 93 43 00-0874 | EA | 2-1/2" Caliper Quercus schuettii - Swamp Bur Oak | 196.39 | |
| 32 93 43 00-0875 | EA | 3" Caliper Quercus schuettii - Swamp Bur Oak | 245.48 | |
| 32 93 43 00-0876 | EA | 3-1/2" Caliper Quercus schuettii - Swamp Bur Oak | 300.04 | |
| 32 93 43 00-0877 | EA | 4" Caliper Quercus schuettii - Swamp Bur Oak | 349.13 | |
| 32 93 43 00-0878 | EA | 4-1/2" Caliper Quercus schuettii - Swamp Bur Oak | 392.78 | |
| 32 93 43 00-0879 | EA | 1-1/2" Caliper Quercus suber - Cork Oak | 490.36 | |
| 32 93 43 00-0880 | EA | 2" Caliper Quercus suber - Cork Oak | 679.50 | |
| 32 93 43 00-0881 | EA | 2-1/2" Caliper Quercus suber - Cork Oak | 868.64 | |
| 32 93 43 00-0882 | EA | 3" Caliper Quercus suber - Cork Oak | 1,085.81 | |
| 32 93 43 00-0883 | EA | 3-1/2" Caliper Quercus suber - Cork Oak | 1,628.71 | |
| 32 93 43 00-0884 | EA | 4" Caliper Quercus suber - Cork Oak | 2,101.56 | |
| 32 93 43 00-0885 | EA | 4-1/2" Caliper Quercus suber - Cork Oak | 2,732.03 | |
| 32 93 43 00-0886 | EA | 1-1/2" Caliper Quercus ilex - Holly Oak | 542.90 | |
| 32 93 43 00-0887 | EA | 2" Caliper Quercus ilex - Holly Oak | 732.04 | |
| 32 93 43 00-0888 | EA | 2-1/2" Caliper Quercus ilex - Holly Oak | 896.67 | |
| 32 93 43 00-0889 | EA | 3" Caliper Quercus ilex - Holly Oak | 1,085.81 | |
| 32 93 43 00-0890 | EA | 3-1/2" Caliper Quercus ilex - Holly Oak | 1,628.71 | |
| 32 93 43 00-0891 | EA | 4" Caliper Quercus ilex - Holly Oak | 2,101.56 | |
| 32 93 43 00-0892 | EA | 24" Box Salix babylonica - Weeping Willow | 137.89 | |
| 32 93 43 00-0893 | EA | 36" Box Salix babylonica - Weeping Willow | 344.73 | |
| 32 93 43 00-0894 | EA | 1-1/2" To 2" Caliper Salix babylonica - Weeping Willow | 79.30 | |
| 32 93 43 00-0895 | EA | 2" To 2-1/2" Caliper Salix babylonica - Weeping Willow | 94.81 | |
| 32 93 43 00-0896 | EA | 2-1/2" To 3" Caliper Salix babylonica - Weeping Willow | 103.42 | |
| 32 93 43 00-0897 | EA | 2" Caliper Salix alba & cvs - White Willow | 87.28 | |
| 32 93 43 00-0898 | EA | 2-1/2" Caliper Salix alba & cvs - White Willow | 103.65 | |
| 32 93 43 00-0899 | EA | 3" Caliper Salix alba & cvs - White Willow | 136.38 | |
| 32 93 43 00-0900 | EA | 3-1/2" Caliper Salix alba & cvs - White Willow | 163.66 | |
| 32 93 43 00-0901 | EA | 4" Caliper Salix alba & cvs - White Willow | 196.39 | |
| 32 93 43 00-0902 | EA | 4-1/2" Caliper Salix alba & cvs - White Willow | 229.12 | |
| 32 93 43 00-0903 | EA | 5" Caliper Salix alba & cvs - White Willow | 261.85 | |
| 32 93 43 00-0904 | EA | 5' Clump Form Sassafras albidum - Common Sassafras | 103.65 | |
| 32 93 43 00-0905 | EA | 6' Clump Form Sassafras albidum - Common Sassafras | 125.47 | |
| 32 93 43 00-0906 | EA | 7' Clump Form Sassafras albidum - Common Sassafras | 158.20 | |
| 32 93 43 00-0907 | EA | 8' Clump Form Sassafras albidum - Common Sassafras | 180.02 | |
| 32 93 43 00-0908 | EA | 10' Clump Form Sassafras albidum - Common Sassafras | 201.84 | |
| 32 93 43 00-0909 | EA | 12' Clump Form Sassafras albidum - Common Sassafras | 245.48 | |
| 32 93 43 00-0910 | EA | 14' Clump Form Sassafras albidum - Common Sassafras | 300.04 | |
| 32 93 43 00-0911 | EA | 16' Clump Form Sassafras albidum - Common Sassafras | 354.59 | |
| 32 93 43 00-0912 | EA | 1-3/4" Caliper Sophora japonica - Chinese Scholar | 180.68 | |
| 32 93 43 00-0913 | EA | 2" Caliper Sophora japonica - Chinese Scholar | 200.75 | |
| 32 93 43 00-0914 | EA | 2-1/2" Caliper Sophora japonica - Chinese Scholar | 269.76 | |
| 32 93 43 00-0915 | EA | 3" Caliper Sophora japonica - Chinese Scholar | 351.32 | |
| 32 93 43 00-0916 | EA | 3-1/2" Caliper Sophora japonica - Chinese Scholar | 407.78 | |
| 32 93 43 00-0917 | EA | 10' To 12' Swietenia Mahagoni - Mahogany | 96.61 | |
| 32 93 43 00-0918 | EA | 12' To 14' Swietenia Mahagoni - Mahogany | 112.92 | |
| 32 93 43 00-0919 | EA | 14' To 16' Swietenia Mahagoni - Mahogany | 150.56 | |
| 32 93 43 00-0920 | EA | 16' To 18' Swietenia Mahagoni - Mahogany | 169.38 | |
| 32 93 43 00-0921 | EA | 2" Caliper Taxodium distichum - Common Bald Cypress | 136.38 | |
| 32 93 43 00-0922 | EA | 2-1/2" Caliper Taxodium distichum - Common Bald Cypress | 158.20 | |
| 32 93 43 00-0923 | EA | 3" Caliper Taxodium distichum - Common Bald Cypress | 190.93 | |
| 32 93 43 00-0924 | EA | 3-1/2" Caliper Taxodium distichum - Common Bald Cypress | 218.21 | |
| 32 93 43 00-0925 | EA | 4" Caliper Taxodium distichum - Common Bald Cypress | 240.03 | |
| 32 93 43 00-0926 | EA | 6' Clump Form Taxodium distichum - Common Bald Cypress | 120.01 | |
| 32 93 43 00-0927 | EA | 7' Clump Form Taxodium distichum - Common Bald Cypress | 136.38 | |
| 32 93 43 00-0928 | EA | 8' Clump Form Taxodium distichum - Common Bald Cypress | 196.39 | |
| 32 93 43 00-0929 | EA | 10' Clump Form Taxodium distichum - Common Bald Cypress | 218.21 | |
| 32 93 43 00-0930 | EA | 12' Clump Form Taxodium distichum - Common Bald Cypress | 245.48 | |
| 32 93 43 00-0931 | EA | 14' Clump Form Taxodium distichum - Common Bald Cypress | 283.67 | |
| 32 93 43 00-0932 | EA | 16' Clump Form Taxodium distichum - Common Bald Cypress | 327.31 | |
| 32 93 43 00-0933 | EA | 2' Thuja occidentalis - American Arborviatae | 18.70 | |
| 32 93 43 00-0934 | EA | 2-1/2' Thuja occidentalis - American Arborviatae | 20.20 | |
| 32 93 43 00-0935 | EA | 3' Thuja occidentalis - American Arborviatae | 28.86 | |
| 32 93 43 00-0936 | EA | 4' Thuja occidentalis - American Arborviatae | 39.65 | |
| 32 93 43 00-0937 | EA | 5' Thuja occidentalis - American Arborviatae | 55.21 | |
| 32 93 43 00-0938 | EA | 6' Thuja occidentalis - American Arborviatae | 76.54 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-0939 | EA | 7' Thuja occidentalis - American Arborviatae | 92.85 | |
| 32 93 43 00-0940 | EA | 8' Thuja occidentalis - American Arborviatae | 130.49 | |
| 32 93 43 00-0941 | EA | 2" Caliper Tilia americana & cvs - American Linden Basswood | 136.38 | |
| 32 93 43 00-0942 | EA | 2-1/2" Caliper Tilia americana & cvs - American Linden Basswood | 158.20 | |
| 32 93 43 00-0943 | EA | 3" Caliper Tilia americana & cvs - American Linden Basswood | 201.84 | |
| 32 93 43 00-0944 | EA | 3-1/2" Caliper Tilia americana & cvs - American Linden Basswood | 234.57 | |
| 32 93 43 00-0945 | EA | 4" Caliper Tilia americana & cvs - American Linden; Basswood | 267.31 | |
| 32 93 43 00-0946 | EA | 4-1/2" Caliper Tilia americana & cvs - American Linden Basswood | 300.04 | |
| 32 93 43 00-0947 | EA | 5" Caliper Tilia americana & cvs - American Linden Basswood | 327.31 | |
| 32 93 43 00-0948 | EA | 10' Clump Form Tilia americana & cvs - American Linden Basswood | 174.57 | |
| 32 93 43 00-0949 | EA | 12' Clump Form Tilia americana & cvs - American Linden Basswood | 190.93 | |
| 32 93 43 00-0950 | EA | 14' Clump Form Tilia americana & cvs - American Linden Basswood | 218.21 | |
| 32 93 43 00-0951 | EA | 16' Clump Form Tilia americana & cvs - American Linden Basswood | 250.94 | |
| 32 93 43 00-0952 | EA | 2" Caliper Tilia cordata & cvs - Littleleaf Linden | 137.20 | |
| 32 93 43 00-0953 | EA | 2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden | 165.73 | |
| 32 93 43 00-0954 | EA | 3" Caliper Tilia cordata & cvs - Littleleaf Linden | 190.93 | |
| 32 93 43 00-0955 | EA | 3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden | 234.57 | |
| 32 93 43 00-0956 | EA | 4" Caliper Tilia cordata & cvs - Littleleaf Linden | 267.31 | |
| 32 93 43 00-0957 | EA | 4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden | 300.04 | |
| 32 93 43 00-0958 | EA | 5" Caliper Tilia cordata & cvs - Littleleaf Linden | 332.77 | |
| 32 93 43 00-0959 | EA | 2" Caliper Tilia tomentosa & cvs - Silver Linden | 152.75 | |
| 32 93 43 00-0960 | EA | 2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden | 169.11 | |
| 32 93 43 00-0961 | EA | 3" Caliper Tilia tomentosa & cvs - Silver Linden | 185.48 | |
| 32 93 43 00-0962 | EA | 3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden | 207.30 | |
| 32 93 43 00-0963 | EA | 4" Caliper Tilia tomentosa & cvs - Silver Linden | 240.03 | |
| 32 93 43 00-0964 | EA | 4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden | 283.67 | |
| 32 93 43 00-0965 | EA | 5" Caliper Tilia tomentosa & cvs - Silver Linden | 370.95 | |
| 32 93 43 00-0966 | EA | 2" Caliper Tilia x euchlora - Crimean Linden | 152.75 | |
| 32 93 43 00-0967 | EA | 2-1/2" Caliper Tilia x euchlora - Crimean Linden | 196.39 | |
| 32 93 43 00-0968 | EA | 3" Caliper Tilia x euchlora - Crimean Linden | 240.03 | |
| 32 93 43 00-0969 | EA | 3-1/2" Caliper Tilia x euchlora - Crimean Linden | 272.76 | |
| 32 93 43 00-0970 | EA | 4" Caliper Tilia x euchlora - Crimean Linden | 305.49 | |
| 32 93 43 00-0971 | EA | 4-1/2" Caliper Tilia x euchlora - Crimean Linden | 343.68 | |
| 32 93 43 00-0972 | EA | 5" Caliper Tilia x euchlora - Crimean Linden | 370.95 | |
| 32 93 43 00-0973 | EA | 2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm | 152.75 | |
| 32 93 43 00-0974 | EA | 2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm | 174.57 | |
| 32 93 43 00-0975 | EA | 3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm | 190.93 | |
| 32 93 43 00-0976 | EA | 3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm | 207.30 | |
| 32 93 43 00-0977 | EA | 4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm | 229.12 | |
| 32 93 43 00-0978 | EA | 4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm | 272.76 | |
| 32 93 43 00-0979 | EA | 5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm | 321.86 | |
| 32 93 43 00-0980 | EA | 2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm | 174.57 | |
| 32 93 43 00-0981 | EA | 2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm | 190.93 | |
| 32 93 43 00-0982 | EA | 3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm | 207.30 | |
| 32 93 43 00-0983 | EA | 3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm | 229.12 | |
| 32 93 43 00-0984 | EA | 4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm | 272.76 | |
| 32 93 43 00-0985 | EA | 4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm | 321.86 | |
| 32 93 43 00-0986 | EA | 5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm | 370.95 | |
| 32 93 43 00-0987 | EA | 2" Caliper Ulmus x `Regal' - Regal Hybrid Elm | 174.57 | |
| 32 93 43 00-0988 | EA | 2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm | 190.93 | |
| 32 93 43 00-0989 | EA | 3" Caliper Ulmus x `Regal' - Regal Hybrid Elm | 207.30 | |
| 32 93 43 00-0990 | EA | 3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm | 229.12 | |
| 32 93 43 00-0991 | EA | 4" Caliper Ulmus x `Regal' - Regal Hybrid Elm | 272.76 | |
| 32 93 43 00-0992 | EA | 4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm | 321.86 | |
| 32 93 43 00-0993 | EA | 5" Caliper Ulmus x `Regal' - Regal Hybrid Elm | 370.95 | |

## 32 93 43 00-0994 Evergreen Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

| | | | | |
|---|---|---|---|---|
| 32 93 43 00-0995 | EA | 6' Abies balsamea - Balsam Fir | 133.40 | |
| 32 93 43 00-0996 | EA | 7' Abies balsamea - Balsam Fir | 166.75 | |
| 32 93 43 00-0997 | EA | 8' Abies balsamea - Balsam Fir | 200.10 | |
| 32 93 43 00-0998 | EA | 9' Abies balsamea - Balsam Fir | 266.80 | |
| 32 93 43 00-0999 | EA | 10' Abies balsamea - Balsam Fir | 333.50 | |
| 32 93 43 00-1000 | EA | 12' Abies balsamea - Balsam Fir | 400.20 | |
| 32 93 43 00-1001 | EA | 6' Abies concolor - White Fir | 193.43 | |
| 32 93 43 00-1002 | EA | 7' Abies concolor - White Fir | 220.11 | |
| 32 93 43 00-1003 | EA | 8' Abies concolor - White Fir | 260.13 | |
| 32 93 43 00-1004 | EA | 9' Abies concolor - White Fir | 300.15 | |
| 32 93 43 00-1005 | EA | 10' Abies concolor - White Fir | 353.51 | |
| 32 93 43 00-1006 | EA | 12' Abies concolor - White Fir | 433.55 | |
| 32 93 43 00-1007 | EA | 14' Abies concolor - White Fir | 533.60 | |
| 32 93 43 00-1008 | EA | 16' Abies concolor - White Fir | 600.30 | |
| 32 93 43 00-1009 | EA | 6' Abies fraseri - Frasier Fir | 133.40 | |
| 32 93 43 00-1010 | EA | 7' Abies fraseri - Frasier Fir | 166.75 | |
| 32 93 43 00-1011 | EA | 8' Abies fraseri - Frasier Fir | 200.10 | |
| 32 93 43 00-1012 | EA | 9' Abies fraseri - Frasier Fir | 266.80 | |
| 32 93 43 00-1013 | EA | 10' Abies fraseri - Frasier Fir | 333.50 | |
| 32 93 43 00-1014 | EA | 12' Abies fraseri - Frasier Fir | 400.20 | |
| 32 93 43 00-1015 | EA | 5 Gallon Araucaria heterophylla (Araucaria excelsa) - Norfolk Island Pine, Star Pine | 35.90 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-1016 | EA | 15 Gallon Araucaria heterophylla (Araucaria excelsa) - Norfolk Island Pine, Star Pine | 249.34 | |
| 32 93 43 00-1017 | EA | 24" Box Araucaria heterophylla (Araucaria excelsa) - Norfolk Island Pine, Star Pine | 498.68 | |
| 32 93 43 00-1018 | EA | 36" Box Araucaria heterophylla (Araucaria excelsa) - Norfolk Island Pine, Star Pine | 1,196.82 | |
| 32 93 43 00-1019 | EA | 1 Gallon Bauhinia variegata (Bauhinia purpurea) - Purple Orchid Tree | 7.34 | |
| 32 93 43 00-1020 | EA | 5 Gallon Bauhinia variegata (Bauhinia purpurea) - Purple Orchid Tree | 27.67 | |
| 32 93 43 00-1021 | EA | 15 Gallon Bauhinia variegata (Bauhinia purpurea) - Purple Orchid Tree | 89.21 | |
| 32 93 43 00-1022 | EA | 24" Box Bauhinia variegata (Bauhinia purpurea) - Purple Orchid Tree | 214.55 | |
| 32 93 43 00-1023 | EA | 5 Gallon Bauhinia blakeana - Hong Kong Orchid Tree | 20.33 | |
| 32 93 43 00-1024 | EA | 15 Gallon Bauhinia blakeana - Hong Kong Orchid Tree | 89.21 | |
| 32 93 43 00-1025 | EA | 24" Box Bauhinia blakeana - Hong Kong Orchid Tree | 214.55 | |
| 32 93 43 00-1026 | EA | 1 Gallon Callistemon viminalis - Weeping Bottlebrush | 8.98 | |
| 32 93 43 00-1027 | EA | 5 Gallon Callistemon viminalis - Weeping Bottlebrush | 27.93 | |
| 32 93 43 00-1028 | EA | 15 Gallon Callistemon viminalis - Weeping Bottlebrush | 97.74 | |
| 32 93 43 00-1029 | EA | 24" Box Callistemon viminalis - Weeping Bottlebrush | 319.15 | |
| 32 93 43 00-1030 | EA | 36" Box Callistemon viminalis - Weeping Bottlebrush | 897.62 | |
| 32 93 43 00-1031 | EA | 2' To 3' Cedrus atlantica - Blue Atlas Cedar | 24.03 | |
| 32 93 43 00-1032 | EA | 3' To 4' Cedrus atlantica - Blue Atlas Cedar | 38.62 | |
| 32 93 43 00-1033 | EA | 4' To 5' Cedrus atlantica - Blue Atlas Cedar | 57.38 | |
| 32 93 43 00-1034 | EA | 5' To 6' Cedrus atlantica - Blue Atlas Cedar | 77.20 | |
| 32 93 43 00-1035 | EA | 7' To 8' Cedrus atlantica - Blue Atlas Cedar | 109.60 | |
| 32 93 43 00-1036 | EA | 1 Gallon Cedrus deodara - Deodar Cedar | 19.75 | |
| 32 93 43 00-1037 | EA | 5 Gallon Cedrus deodara - Deodar Cedar | 35.90 | |
| 32 93 43 00-1038 | EA | 15 Gallon Cedrus deodara - Deodar Cedar | 157.58 | |
| 32 93 43 00-1039 | EA | 24" Box Cedrus deodara - Deodar Cedar | 498.68 | |
| 32 93 43 00-1040 | EA | 36" Box Cedrus deodara - Deodar Cedar | 1,097.08 | |
| 32 93 43 00-1041 | EA | 6' Cedrus decurrens - Incese Cedar | 111.99 | |
| 32 93 43 00-1042 | EA | 8' Cedrus decurrens - Incese Cedar | 231.65 | |
| 32 93 43 00-1043 | EA | 10' Cedrus decurrens - Incese Cedar | 306.82 | |
| 32 93 43 00-1044 | EA | 12' Cedrus decurrens - Incese Cedar | 406.54 | |
| 32 93 43 00-1045 | EA | 6' To 8' Cedrus deodara - Indian Cedar | 99.17 | |
| 32 93 43 00-1046 | EA | 8' To 10' Cedrus deodara - Indian Cedar | 114.82 | |
| 32 93 43 00-1047 | EA | 10' To 12' Cedrus deodara - Indian Cedar | 156.55 | |
| 32 93 43 00-1048 | EA | 12' To 14' Cedrus deodara - Indian Cedar | 203.50 | |
| 32 93 43 00-1049 | EA | 14' To 16' Cedrus deodara - Indian Cedar | 260.93 | |
| 32 93 43 00-1050 | EA | 5 Gallon Cedrus libani - Cedar of Lebanon | 35.90 | |
| 32 93 43 00-1051 | EA | 15 Gallon Cedrus libani - Cedar of Lebanon | 157.58 | |
| 32 93 43 00-1052 | EA | 24" Box Cedrus libani - Cedar of Lebanon | 378.99 | |
| 32 93 43 00-1053 | EA | 36" Box Cedrus libani - Cedar of Lebanon | 1,097.08 | |
| 32 93 43 00-1054 | EA | 15 Gallon Celtis australis - European Hackberry | 129.66 | |
| 32 93 43 00-1055 | EA | 24" Box Celtis australis - European Hackberry | 448.81 | |
| 32 93 43 00-1056 | EA | 15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress | 31.00 | |
| 32 93 43 00-1057 | EA | 18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress | 46.50 | |
| 32 93 43 00-1058 | EA | 2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress | 72.33 | |
| 32 93 43 00-1059 | EA | 3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress | 124.00 | |
| 32 93 43 00-1060 | EA | 4' To 5' Chamaecyparis pisifera - Sawara Cypress | 37.57 | |
| 32 93 43 00-1061 | EA | 5' To 6' Chamaecyparis pisifera - Sawara Cypress | 58.49 | |
| 32 93 43 00-1062 | EA | 6' To 7' Chamaecyparis pisifera - Sawara Cypress | 73.03 | |
| 32 93 43 00-1063 | EA | 7' To 8' Chamaecyparis pisifera - Sawara Cypress | 104.38 | |
| 32 93 43 00-1064 | EA | 1 Gallon Cinnamomum camphora - Camphor Tree | 12.97 | |
| 32 93 43 00-1065 | EA | 5 Gallon Cinnamomum camphora - Camphor Tree | 35.90 | |
| 32 93 43 00-1066 | EA | 15 Gallon Cinnamomum camphora - Camphor Tree | 97.74 | |
| 32 93 43 00-1067 | EA | 24" Box Cinnamomum camphora - Camphor Tree | 319.15 | |
| 32 93 43 00-1068 | EA | 36" Box Cinnamomum camphora - Camphor Tree | 897.62 | |
| 32 93 43 00-1069 | EA | 1 Gallon Cleyera japonica - Japanese Cleyera | 4.23 | |
| 32 93 43 00-1070 | EA | 3 Gallon Cleyera japonica - Japanese Cleyera | 10.61 | |
| 32 93 43 00-1071 | EA | 7 Gallon Cleyera japonica - Japanese Cleyera | 30.38 | |
| 32 93 43 00-1072 | EA | 5 Gallon Cupressocyparis leylandii - Leyland Cypress | 17.05 | |
| 32 93 43 00-1073 | EA | 15 Gallon Cupressocyparis leylandii - Leyland Cypress | 68.22 | |
| 32 93 43 00-1074 | EA | 4' To 5' Cupressocyparis leylandii - Leyland Cypress | 29.85 | |
| 32 93 43 00-1075 | EA | 5' To 6' Cupressocyparis leylandii - Leyland Cypress | 38.37 | |
| 32 93 43 00-1076 | EA | 6' To 7' Cupressocyparis leylandii - Leyland Cypress | 59.69 | |
| 32 93 43 00-1077 | EA | 24" Box Cupressocyparis leylandii - Leyland Cypress | 144.96 | |
| 32 93 43 00-1078 | EA | 1 Gallon Cupressus macrocarpa - Monterey Cypress | 3.11 | |
| 32 93 43 00-1079 | EA | 5 Gallon Cupressus macrocarpa - Monterey Cypress | 14.00 | |
| 32 93 43 00-1080 | EA | 15 Gallon Cupressus macrocarpa - Monterey Cypress | 46.65 | |
| 32 93 43 00-1081 | EA | 5 Gallon Cupressus sempervirens - Italian Cypress | 16.05 | |
| 32 93 43 00-1082 | EA | 15 Gallon Cupressus sempervirens - Italian Cypress | 44.14 | |
| 32 93 43 00-1083 | EA | 1 Gallon Eriobotrya deflexa - Bronze Loquat | 12.97 | |
| 32 93 43 00-1084 | EA | 5 Gallon Eriobotrya deflexa - Bronze Loquat | 35.90 | |
| 32 93 43 00-1085 | EA | 15 Gallon Eriobotrya deflexa - Bronze Loquat | 157.58 | |
| 32 93 43 00-1086 | EA | 24" Box Eriobotrya deflexa - Bronze Loquat | 378.99 | |
| 32 93 43 00-1087 | EA | 36" Box Eriobotrya deflexa - Bronze Loquat | 1,097.08 | |
| 32 93 43 00-1088 | EA | 1 Gallon Heteromeles arbutifolia - Toyon | 12.97 | |
| 32 93 43 00-1089 | EA | 5 Gallon Heteromeles arbutifolia - Toyon | 35.90 | |
| 32 93 43 00-1090 | EA | 15 Gallon Heteromeles arbutifolia - Toyon | 119.66 | |
| 32 93 43 00-1091 | EA | 24" Box Heteromeles arbutifolia - Toyon | 378.99 | |
| 32 93 43 00-1092 | EA | 1 Gallon Illicium anisatum - Anise Tree | 4.59 | |
| 32 93 43 00-1093 | EA | 3 Gallon Illicium anisatum - Anise Tree | 10.61 | |
| 32 93 43 00-1094 | EA | 1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper | 4.72 | |
| 32 93 43 00-1095 | EA | 2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper | 9.23 | |
| 32 93 43 00-1096 | EA | 3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper | 11.44 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-1097 | EA | 5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper | 13.44 | |
| 32 93 43 00-1098 | EA | 1 Gallon Juniperus - Blue Sargent Juniper | 4.72 | |
| 32 93 43 00-1099 | EA | 2 Gallon Juniperus - Blue Sargent Juniper | 9.23 | |
| 32 93 43 00-1100 | EA | 3 Gallon Juniperus - Blue Sargent Juniper | 11.44 | |
| 32 93 43 00-1101 | EA | 5 Gallon Juniperus - Blue Sargent Juniper | 13.44 | |
| 32 93 43 00-1102 | EA | 5 Gallon Juniperus - Compact Pfitzer Juniper | 13.44 | |
| 32 93 43 00-1103 | EA | 15" To 18" Juniperus - Compact Pfitzer Juniper | 14.55 | |
| 32 93 43 00-1104 | EA | 18" To 24" Juniperus - Compact Pfitzer Juniper | 17.56 | |
| 32 93 43 00-1105 | EA | 2' To 2 1/2' Juniperus - Compact Pfitzer Juniper | 26.08 | |
| 32 93 43 00-1106 | EA | 2-1/2' To 3' Juniperus - Compact Pfitzer Juniper | 30.20 | |
| 32 93 43 00-1107 | EA | 5' To 6' Juniperus - Fairview Juniper | 44.98 | |
| 32 93 43 00-1108 | EA | 1 Gallon Juniperus - Hollywood Juniper | 6.02 | |
| 32 93 43 00-1109 | EA | 5 Gallon Juniperus - Hollywood Juniper | 16.75 | |
| 32 93 43 00-1110 | EA | 15 Gallon Juniperus - Hollywood Juniper | 71.03 | |
| 32 93 43 00-1111 | EA | 4' To 5' Juniperus - Hollywood Juniper | 46.95 | |
| 32 93 43 00-1112 | EA | 5' To 6' Juniperus - Hollywood Juniper | 60.49 | |
| 32 93 43 00-1113 | EA | 1 Gallon Juniperus - Parson's Juniper | 4.72 | |
| 32 93 43 00-1114 | EA | 2 Gallon Juniperus - Parson's Juniper | 9.33 | |
| 32 93 43 00-1115 | EA | 3 Gallon Juniperus - Parson's Juniper | 11.54 | |
| 32 93 43 00-1116 | EA | 5 Gallon Juniperus - Parson's Juniper | 13.64 | |
| 32 93 43 00-1117 | EA | 5 Gallon Juniperus - Skyrocket Juniper | 16.85 | |
| 32 93 43 00-1118 | EA | 15 Gallon Juniperus - Skyrocket Juniper | 71.73 | |
| 32 93 43 00-1119 | EA | 2' To 3' Juniperus - Skyrocket Juniper | 25.28 | |
| 32 93 43 00-1120 | EA | 3' To 4' Juniperus - Skyrocket Juniper | 35.81 | |
| 32 93 43 00-1121 | EA | 4' To 5' Juniperus - Skyrocket Juniper | 47.45 | |
| 32 93 43 00-1122 | EA | 5' To 6' Juniperus - Skyrocket Juniper | 61.20 | |
| 32 93 43 00-1123 | EA | 6' To 8' Juniperus - Skyrocket Juniper | 79.05 | |
| 32 93 43 00-1124 | EA | 1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper | 4.72 | |
| 32 93 43 00-1125 | EA | 2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper | 9.28 | |
| 32 93 43 00-1126 | EA | 3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper | 11.39 | |
| 32 93 43 00-1127 | EA | 5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper | 13.49 | |
| 32 93 43 00-1128 | EA | 1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper | 4.72 | |
| 32 93 43 00-1129 | EA | 2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper | 9.28 | |
| 32 93 43 00-1130 | EA | 3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper | 11.39 | |
| 32 93 43 00-1131 | EA | 5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper | 13.49 | |
| 32 93 43 00-1132 | EA | 2' To 3' Juniperus virginiana - Eastern Red Cedar | 25.28 | |
| 32 93 43 00-1133 | EA | 3' To 4' Juniperus virginiana - Eastern Red Cedar | 35.81 | |
| 32 93 43 00-1134 | EA | 4' To 5' Juniperus virginiana - Eastern Red Cedar | 47.45 | |
| 32 93 43 00-1135 | EA | 5' To 6' Juniperus virginiana - Eastern Red Cedar | 61.20 | |
| 32 93 43 00-1136 | EA | 1 Gallon Laurus nobilis - Sweet Bay | 8.98 | |
| 32 93 43 00-1137 | EA | 5 Gallon Laurus nobilis - Sweet Bay | 27.93 | |
| 32 93 43 00-1138 | EA | 15 Gallon Laurus nobilis - Sweet Bay | 97.74 | |
| 32 93 43 00-1139 | EA | 24" Box Laurus nobilis - Sweet Bay | 319.15 | |
| 32 93 43 00-1140 | EA | 36" Box Laurus nobilis - Sweet Bay | 1,097.08 | |
| 32 93 43 00-1141 | EA | 5 Gallon Lophostemon confertus (Tristania conferta) - Brisbane Box | 27.93 | |
| 32 93 43 00-1142 | EA | 15 Gallon Lophostemon confertus (Tristania conferta) - Brisbane Box | 97.74 | |
| 32 93 43 00-1143 | EA | 24" Box Lophostemon confertus (Tristania conferta) - Brisbane Box | 319.15 | |
| 32 93 43 00-1144 | EA | 36" Box Lophostemon confertus (Tristania conferta) - Brisbane Box | 897.62 | |
| 32 93 43 00-1145 | EA | 1 Gallon Lyonothamnus floribundus - Catalina Ironwood | 19.75 | |
| 32 93 43 00-1146 | EA | 5 Gallon Lyonothamnus floribundus - Catalina Ironwood | 48.87 | |
| 32 93 43 00-1147 | EA | 15 Gallon Lyonothamnus floribundus - Catalina Ironwood | 249.34 | |
| 32 93 43 00-1148 | EA | 24" Box Lyonothamnus floribundus - Catalina Ironwood | 498.68 | |
| 32 93 43 00-1149 | EA | 1 Gallon Lyonothamnus floribundus ssp. asplenifolius - Catalinia Ironwood | 19.93 | |
| 32 93 43 00-1150 | EA | 5 Gallon Lyonothamnus floribundus ssp. asplenifolius - Catalinia Ironwood | 59.82 | |
| 32 93 43 00-1151 | EA | 6' Melaleuca linariifolia - Flaxleaf Paperbark | 322.16 | |
| 32 93 43 00-1152 | EA | 8' Melaleuca linariifolia - Flaxleaf Paperbark | 429.55 | |
| 32 93 43 00-1153 | EA | 10' Melaleuca linariifolia - Flaxleaf Paperbark | 536.94 | |
| 32 93 43 00-1154 | EA | 12' Melaleuca linariifolia - Flaxleaf Paperbark | 644.32 | |
| 32 93 43 00-1155 | EA | 1 Gallon Melaleuca linariifolia - Flaxleaf Paperbark | 8.97 | |
| 32 93 43 00-1156 | EA | 5 Gallon Melaleuca linariifolia - Flaxleaf Paperbark | 27.92 | |
| 32 93 43 00-1157 | EA | 15 Gallon Melaleuca linariifolia - Flaxleaf Paperbark | 97.72 | |
| 32 93 43 00-1158 | EA | 24" Box Melaleuca linariifolia - Flaxleaf Paperbark | 319.09 | |
| 32 93 43 00-1159 | EA | 6' Melaleuca quinquenervia - Cajeput Tree | 322.16 | |
| 32 93 43 00-1160 | EA | 8' Melaleuca quinquenervia - Cajeput Tree | 429.55 | |
| 32 93 43 00-1161 | EA | 10' Melaleuca quinquenervia - Cajeput Tree | 536.94 | |
| 32 93 43 00-1162 | EA | 12' Melaleuca quinquenervia - Cajeput Tree | 644.32 | |
| 32 93 43 00-1163 | EA | 24" Box Melaleuca quinquenervia - Cajeput Tree | 179.49 | |
| 32 93 43 00-1164 | EA | 30" Box Melaleuca quinquenervia - Cajeput Tree | 452.56 | |
| 32 93 43 00-1165 | EA | 36" Box Melaleuca quinquenervia - Cajeput Tree | 713.36 | |
| 32 93 43 00-1166 | EA | 4' Metrosideros excelsus - New Zealand Christmas Tree | 95.11 | |
| 32 93 43 00-1167 | EA | 5' Metrosideros excelsus - New Zealand Christmas Tree | 128.86 | |
| 32 93 43 00-1168 | EA | 6' Metrosideros excelsus - New Zealand Christmas Tree | 219.38 | |
| 32 93 43 00-1169 | EA | 8' Metrosideros excelsus - New Zealand Christmas Tree | 271.54 | |
| 32 93 43 00-1170 | EA | 24" Box Metrosideros excelsus - New Zealand Christmas Tree | 180.68 | |
| 32 93 43 00-1171 | EA | 1 Gallon Photinia fraseri - Fraser's Photinia | 8.98 | |
| 32 93 43 00-1172 | EA | 5 Gallon Photinia fraseri - Fraser's Photinia | 77.79 | |
| 32 93 43 00-1173 | EA | 15 Gallon Photinia fraseri - Fraser's Photinia | 117.69 | |
| 32 93 43 00-1174 | EA | 24" Box Photinia fraseri - Fraser's Photinia | 378.99 | |
| 32 93 43 00-1175 | EA | 5' Picea abies & cvs - Norway Spruce | 146.74 | |
| 32 93 43 00-1176 | EA | 6' Picea abies & cvs - Norway Spruce | 166.75 | |
| 32 93 43 00-1177 | EA | 7' Picea abies & cvs - Norway Spruce | 200.10 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-1178 | EA | 8' Picea abies & cvs - Norway Spruce | 233.45 | |
| 32 93 43 00-1179 | EA | 9' Picea abies & cvs - Norway Spruce | 313.49 | |
| 32 93 43 00-1180 | EA | 10' Picea abies & cvs - Norway Spruce | 380.19 | |
| 32 93 43 00-1181 | EA | 12' Picea abies & cvs - Norway Spruce | 466.90 | |
| 32 93 43 00-1182 | EA | 14' Picea abies & cvs - Norway Spruce | 566.95 | |
| 32 93 43 00-1183 | EA | 6' Picea glauca - White Spruce | 140.07 | |
| 32 93 43 00-1184 | EA | 7' Picea glauca - White Spruce | 200.10 | |
| 32 93 43 00-1185 | EA | 8' Picea glauca - White Spruce | 233.45 | |
| 32 93 43 00-1186 | EA | 9' Picea glauca - White Spruce | 280.14 | |
| 32 93 43 00-1187 | EA | 10' Picea glauca - White Spruce | 333.50 | |
| 32 93 43 00-1188 | EA | 12' Picea glauca - White Spruce | 400.20 | |
| 32 93 43 00-1189 | EA | 4' Picea glauca densata - Black Hills Spruce | 80.04 | |
| 32 93 43 00-1190 | EA | 5' Picea glauca densata - Black Hills Spruce | 120.06 | |
| 32 93 43 00-1191 | EA | 6' Picea glauca densata - Black Hills Spruce | 180.09 | |
| 32 93 43 00-1192 | EA | 7' Picea glauca densata - Black Hills Spruce | 213.44 | |
| 32 93 43 00-1193 | EA | 8' Picea glauca densata - Black Hills Spruce | 246.79 | |
| 32 93 43 00-1194 | EA | 9' Picea glauca densata - Black Hills Spruce | 273.47 | |
| 32 93 43 00-1195 | EA | 10' Picea glauca densata - Black Hills Spruce | 300.15 | |
| 32 93 43 00-1196 | EA | 1 Gallon Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush | 6.98 | |
| 32 93 43 00-1197 | EA | 5 Gallon Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush | 19.95 | |
| 32 93 43 00-1198 | EA | 15 Gallon Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush | 77.79 | |
| 32 93 43 00-1199 | EA | 24" Box Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush | 319.15 | |
| 32 93 43 00-1200 | EA | 36" Box Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush | 897.62 | |
| 32 93 43 00-1201 | EA | 1 Gallon Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush | 8.98 | |
| 32 93 43 00-1202 | EA | 5 Gallon Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush | 27.93 | |
| 32 93 43 00-1203 | EA | 15 Gallon Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush | 97.74 | |
| 32 93 43 00-1204 | EA | 24" Box Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush | 319.15 | |
| 32 93 43 00-1205 | EA | 36" Box Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush | 897.62 | |
| 32 93 43 00-1206 | EA | 1 Gallon Metrosideros excelsa - New Zealand Christmas Tree | 7.34 | |
| 32 93 43 00-1207 | EA | 5 Gallon Metrosideros excelsa - New Zealand Christmas Tree | 27.67 | |
| 32 93 43 00-1208 | EA | 15 Gallon Metrosideros excelsa - New Zealand Christmas Tree | 89.21 | |
| 32 93 43 00-1209 | EA | 24" Box Olea europaea 'Swan Hill' - Swan Hill Olive | 498.68 | |
| 32 93 43 00-1210 | EA | 36" Box Olea europaea 'Swan Hill' - Swan Hill Olive | 1,196.82 | |
| 32 93 43 00-1211 | EA | 6' Picea omorika & cvs - Serbian Spruce | 180.09 | |
| 32 93 43 00-1212 | EA | 7' Picea omorika & cvs - Serbian Spruce | 200.10 | |
| 32 93 43 00-1213 | EA | 8' Picea omorika & cvs - Serbian Spruce | 240.12 | |
| 32 93 43 00-1214 | EA | 9' Picea omorika & cvs - Serbian Spruce | 280.14 | |
| 32 93 43 00-1215 | EA | 10' Picea omorika & cvs - Serbian Spruce | 320.16 | |
| 32 93 43 00-1216 | EA | 5' Picea pungens - Colorado Green Spruce | 146.74 | |
| 32 93 43 00-1217 | EA | 6' Picea pungens - Colorado Green Spruce | 186.76 | |
| 32 93 43 00-1218 | EA | 7' Picea pungens - Colorado Green Spruce | 220.11 | |
| 32 93 43 00-1219 | EA | 8' Picea pungens - Colorado Green Spruce | 253.46 | |
| 32 93 43 00-1220 | EA | 9' Picea pungens - Colorado Green Spruce | 293.48 | |
| 32 93 43 00-1221 | EA | 10' Picea pungens - Colorado Green Spruce | 553.61 | |
| 32 93 43 00-1222 | EA | 12' Picea pungens - Colorado Green Spruce | 400.20 | |
| 32 93 43 00-1223 | EA | 14' Picea pungens - Colorado Green Spruce | 466.90 | |
| 32 93 43 00-1224 | EA | 16' Picea pungens - Colorado Green Spruce | 600.30 | |
| 32 93 43 00-1225 | EA | 5' Picea pungens glauca & cvs - Colorado Blue Spruce | 146.74 | |
| 32 93 43 00-1226 | EA | 6' Picea pungens glauca & cvs - Colorado Blue Spruce | 200.10 | |
| 32 93 43 00-1227 | EA | 7' Picea pungens glauca & cvs - Colorado Blue Spruce | 233.45 | |
| 32 93 43 00-1228 | EA | 8' Picea pungens glauca & cvs - Colorado Blue Spruce | 266.80 | |
| 32 93 43 00-1229 | EA | 9' Picea pungens glauca & cvs - Colorado Blue Spruce | 300.15 | |
| 32 93 43 00-1230 | EA | 10' Picea pungens glauca & cvs - Colorado Blue Spruce | 366.85 | |
| 32 93 43 00-1231 | EA | 12' Picea pungens glauca & cvs - Colorado Blue Spruce | 466.90 | |
| 32 93 43 00-1232 | EA | 16' Picea pungens glauca & cvs - Colorado Blue Spruce | 700.35 | |
| 32 93 43 00-1233 | EA | 6' Pinus canariensis - Canary Island Pine | 368.18 | |
| 32 93 43 00-1234 | EA | 8' Pinus canariensis - Canary Island Pine | 490.91 | |
| 32 93 43 00-1235 | EA | 10' Pinus canariensis - Canary Island Pine | 613.64 | |
| 32 93 43 00-1236 | EA | 12' Pinus canariensis - Canary Island Pine | 736.37 | |
| 32 93 43 00-1237 | EA | 1 Gallon Pinus canariensis - Canary Island Pine | 12.97 | |
| 32 93 43 00-1238 | EA | 5 Gallon Pinus canariensis - Canary Island Pine | 35.90 | |
| 32 93 43 00-1239 | EA | 15 Gallon Pinus canariensis - Canary Island Pine | 117.69 | |
| 32 93 43 00-1240 | EA | 24" Box Pinus canariensis - Canary Island Pine | 378.92 | |
| 32 93 43 00-1241 | EA | 1 Gallon Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine | 8.98 | |
| 32 93 43 00-1242 | EA | 5 Gallon Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine | 27.93 | |
| 32 93 43 00-1243 | EA | 15 Gallon Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine | 97.74 | |
| 32 93 43 00-1244 | EA | 24" Box Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine | 319.15 | |
| 32 93 43 00-1245 | EA | 36" Box Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine | 897.62 | |
| 32 93 43 00-1246 | EA | 1 Gallon Pinus halepensis - Aleppo Pine | 8.98 | |
| 32 93 43 00-1247 | EA | 5 Gallon Pinus halepensis - Aleppo Pine | 27.93 | |
| 32 93 43 00-1248 | EA | 15 Gallon Pinus halepensis - Aleppo Pine | 97.74 | |
| 32 93 43 00-1249 | EA | 24" Box Pinus halepensis - Aleppo Pine | 319.15 | |
| 32 93 43 00-1250 | EA | 36" Box Pinus halepensis - Aleppo Pine | 897.62 | |
| 32 93 43 00-1251 | EA | 1 Gallon Pinus muricata - Bishop Pine | 19.93 | |
| 32 93 43 00-1252 | EA | 5 Gallon Pinus muricata - Bishop Pine | 59.82 | |
| 32 93 43 00-1253 | EA | 15 Gallon Pinus patula - Jelecote Pine, Mexican Weeping Pine | 129.66 | |
| 32 93 43 00-1254 | EA | 24" Box Pinus patula - Jelecote Pine, Mexican Weeping Pine | 448.81 | |
| 32 93 43 00-1255 | EA | 6' Pinus pinea - Italian Stone Pine | 368.18 | |
| 32 93 43 00-1256 | EA | 8' Pinus pinea - Italian Stone Pine | 490.91 | |
| 32 93 43 00-1257 | EA | 10' Pinus pinea - Italian Stone Pine | 613.64 | |
| 32 93 43 00-1258 | EA | 12' Pinus pinea - Italian Stone Pine | 736.37 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-1259 | EA | 1 Gallon Pinus pinea - Italian Stone Pine | 12.96 | |
| 32 93 43 00-1260 | EA | 5 Gallon Pinus pinea - Italian Stone Pine | 35.90 | |
| 32 93 43 00-1261 | EA | 15 Gallon Pinus pinea - Italian Stone Pine | 117.67 | |
| 32 93 43 00-1262 | EA | 24" Box Pinus pinea - Italian Stone Pine | 319.09 | |
| 32 93 43 00-1263 | EA | 36" Box Pinus pinea - Italian Stone Pine | 897.45 | |
| 32 93 43 00-1264 | EA | 2' Pinus strobus - Pyramidal White Pine | 18.47 | |
| 32 93 43 00-1265 | EA | 3' Pinus strobus - Pyramidal White Pine | 24.68 | |
| 32 93 43 00-1266 | EA | 4' Pinus strobus - Pyramidal White Pine | 27.23 | |
| 32 93 43 00-1267 | EA | 5' Pinus strobus - Pyramidal White Pine | 29.78 | |
| 32 93 43 00-1268 | EA | 6' Pinus strobus - Pyramidal White Pine | 37.10 | |
| 32 93 43 00-1269 | EA | 7' Pinus strobus - Pyramidal White Pine | 49.36 | |
| 32 93 43 00-1270 | EA | 8' Pinus strobus - Pyramidal White Pine | 67.84 | |
| 32 93 43 00-1271 | EA | 10' Pinus strobus - Pyramidal White Pine | 135.35 | |
| 32 93 43 00-1272 | EA | 12' Pinus strobus - Pyramidal White Pine | 321.66 | |
| 32 93 43 00-1273 | EA | 14' Pinus strobus - Pyramidal White Pine | 431.54 | |
| 32 93 43 00-1274 | EA | 16' Pinus strobus - Pyramidal White Pine | 519.12 | |
| 32 93 43 00-1275 | EA | 2' Pinus strobus - White Pine | 28.38 | |
| 32 93 43 00-1276 | EA | 3' Pinus strobus - White Pine | 40.50 | |
| 32 93 43 00-1277 | EA | 4' Pinus strobus - White Pine | 64.59 | |
| 32 93 43 00-1278 | EA | 5' Pinus strobus - White Pine | 92.05 | |
| 32 93 43 00-1279 | EA | 6' Pinus strobus - White Pine | 135.00 | |
| 32 93 43 00-1280 | EA | 7' Pinus strobus - White Pine | 161.08 | |
| 32 93 43 00-1281 | EA | 8' Pinus strobus - White Pine | 217.84 | |
| 32 93 43 00-1282 | EA | 10' Pinus strobus - White Pine | 293.01 | |
| 32 93 43 00-1283 | EA | 12' Pinus strobus - White Pine | 388.13 | |
| 32 93 43 00-1284 | EA | 14' Pinus strobus - White Pine | 475.57 | |
| 32 93 43 00-1285 | EA | 16' Pinus strobus - White Pine | 578.36 | |
| 32 93 43 00-1286 | EA | 3' Pinus sylvestris - Scotch Pine | 43.82 | |
| 32 93 43 00-1287 | EA | 4' Pinus sylvestris - Scotch Pine | 60.83 | |
| 32 93 43 00-1288 | EA | 5' Pinus sylvestris - Scotch Pine | 85.38 | |
| 32 93 43 00-1289 | EA | 6' Pinus sylvestris - Scotch Pine | 118.46 | |
| 32 93 43 00-1290 | EA | 7' Pinus sylvestris - Scotch Pine | 145.14 | |
| 32 93 43 00-1291 | EA | 8' Pinus sylvestris - Scotch Pine | 204.90 | |
| 32 93 43 00-1292 | EA | 9' Pinus sylvestris - Scotch Pine | 260.13 | |
| 32 93 43 00-1293 | EA | 10' Pinus sylvestris - Scotch Pine | 300.15 | |
| 32 93 43 00-1294 | EA | 12' Pinus sylvestris - Scotch Pine | 353.51 | |
| 32 93 43 00-1295 | EA | 14' Pinus sylvestris - Scotch Pine | 400.20 | |
| 32 93 43 00-1296 | EA | 16' Pinus sylvestris - Scotch Pine | 466.90 | |
| 32 93 43 00-1297 | EA | 5' To 6' Pinus taeda - Loblolly Pine | 19.07 | |
| 32 93 43 00-1298 | EA | 1 Gallon Pinus thunbergiana - Japanese Black Pine | 4.72 | |
| 32 93 43 00-1299 | EA | 5 Gallon Pinus thunbergiana - Japanese Black Pine | 16.75 | |
| 32 93 43 00-1300 | EA | 15 Gallon Pinus thunbergiana - Japanese Black Pine | 54.27 | |
| 32 93 43 00-1301 | EA | 2' To 3' Pinus thunbergiana - Japanese Black Pine | 22.97 | |
| 32 93 43 00-1302 | EA | 3' To 4' Pinus thunbergiana - Japanese Black Pine | 29.19 | |
| 32 93 43 00-1303 | EA | 4' To 5' Pinus thunbergiana - Japanese Black Pine | 43.84 | |
| 32 93 43 00-1304 | EA | 5' To 6' Pinus thunbergiana - Japanese Black Pine | 85.57 | |
| 32 93 43 00-1305 | EA | 6' To 7' Pinus thunbergiana - Japanese Black Pine | 96.01 | |
| 32 93 43 00-1306 | EA | 7' To 8' Pinus thunbergiana - Japanese Black Pine | 119.98 | |
| 32 93 43 00-1307 | EA | 4' Pinus cembra - Swiss Stone Pine | 113.39 | |
| 32 93 43 00-1308 | EA | 5' Pinus cembra - Swiss Stone Pine | 140.07 | |
| 32 93 43 00-1309 | EA | 6' Pinus cembra - Swiss Stone Pine | 173.42 | |
| 32 93 43 00-1310 | EA | 6' Pinus flexilis & cvs - Limber Pine | 166.75 | |
| 32 93 43 00-1311 | EA | 7' Pinus flexilis & cvs - Limber Pine | 193.43 | |
| 32 93 43 00-1312 | EA | 8' Pinus flexilis & cvs - Limber Pine | 240.12 | |
| 32 93 43 00-1313 | EA | 9' Pinus flexilis & cvs - Limber Pine | 293.48 | |
| 32 93 43 00-1314 | EA | 10' Pinus flexilis & cvs - Limber Pine | 333.50 | |
| 32 93 43 00-1315 | EA | 1 Gallon Pinus mugo - Mugho Pine | 6.22 | |
| 32 93 43 00-1316 | EA | 2 Gallon Pinus mugo - Mugho Pine | 13.14 | |
| 32 93 43 00-1317 | EA | 3 Gallon Pinus mugo - Mugho Pine | 16.45 | |
| 32 93 43 00-1318 | EA | 5 Gallon Pinus mugo - Mugho Pine | 20.87 | |
| 32 93 43 00-1319 | EA | 12" To 15" Spread Pinus mugo - Mugho Pine | 16.15 | |
| 32 93 43 00-1320 | EA | 15" To 18" Spread Pinus mugo - Mugho Pine | 19.26 | |
| 32 93 43 00-1321 | EA | 18" To 24" Spread Pinus mugo - Mugho Pine | 26.08 | |
| 32 93 43 00-1322 | EA | 2' To 2-1/2' Spread Pinus mugo - Mugho Pine | 36.52 | |
| 32 93 43 00-1323 | EA | 2-1/2' To 3' Spread Pinus mugo - Mugho Pine | 46.95 | |
| 32 93 43 00-1324 | EA | 3' To 3-1/2' Spread Pinus mugo - Mugho Pine | 58.49 | |
| 32 93 43 00-1325 | EA | 3-1/2' To 4' Spread Pinus mugo - Mugho Pine | 71.03 | |
| 32 93 43 00-1326 | EA | 6' Pinus nigra - Austrian Pine | 166.75 | |
| 32 93 43 00-1327 | EA | 7' Pinus nigra - Austrian Pine | 200.10 | |
| 32 93 43 00-1328 | EA | 8' Pinus nigra - Austrian Pine | 260.13 | |
| 32 93 43 00-1329 | EA | 9' Pinus nigra - Austrian Pine | 300.15 | |
| 32 93 43 00-1330 | EA | 10' Pinus nigra - Austrian Pine | 353.51 | |
| 32 93 43 00-1331 | EA | 12' Pinus nigra - Austrian Pine | 400.20 | |
| 32 93 43 00-1332 | EA | 14' Pinus nigra - Austrian Pine | 446.89 | |
| 32 93 43 00-1333 | EA | 16' Pinus nigra - Austrian Pine | 506.92 | |
| 32 93 43 00-1334 | EA | 5' Pinus peuce - Macedonian Pine | 206.77 | |
| 32 93 43 00-1335 | EA | 6' Pinus peuce - Macedonian Pine | 260.13 | |
| 32 93 43 00-1336 | EA | 7' Pinus peuce - Macedonian Pine | 300.15 | |
| 32 93 43 00-1337 | EA | 8' Pinus peuce - Macedonian Pine | 340.17 | |
| 32 93 43 00-1338 | EA | 9' Pinus peuce - Macedonian Pine | 393.53 | |
| 32 93 43 00-1339 | EA | 1 Gallon Pinus torreyana - Torrey Pine | 19.75 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-1340 | EA | 5 Gallon Pinus torreyana - Torrey Pine | 48.87 | |
| 32 93 43 00-1341 | EA | 15 Gallon Pinus torreyana - Torrey Pine | 157.58 | |
| 32 93 43 00-1342 | EA | 24" Box Pinus torreyana - Torrey Pine | 378.99 | |
| 32 93 43 00-1343 | EA | 36" Box Pinus torreyana - Torrey Pine | 1,097.08 | |
| 32 93 43 00-1344 | EA | 6' Pittosporum undulatum - Victorian Box | 202.50 | |
| 32 93 43 00-1345 | EA | 8' Pittosporum undulatum - Victorian Box | 320.63 | |
| 32 93 43 00-1346 | EA | 10' Pittosporum undulatum - Victorian Box | 421.88 | |
| 32 93 43 00-1347 | EA | 1 Gallon Podocarpus - Chinese Podocarpus | 3.11 | |
| 32 93 43 00-1348 | EA | 3 Gallon Podocarpus - Chinese Podocarpus | 7.22 | |
| 32 93 43 00-1349 | EA | 7 Gallon Podocarpus - Chinese Podocarpus | 20.87 | |
| 32 93 43 00-1350 | EA | 15 Gallon Podocarpus - Chinese Podocarpus | 33.91 | |
| 32 93 43 00-1351 | EA | 4' To 5' Podocarpus - Chinese Podocarpus | 52.17 | |
| 32 93 43 00-1352 | EA | 1 Gallon Rhus lancea - African Sumac | 12.97 | |
| 32 93 43 00-1353 | EA | 5 Gallon Rhus lancea - African Sumac | 35.90 | |
| 32 93 43 00-1354 | EA | 15 Gallon Rhus lancea - African Sumac | 97.74 | |
| 32 93 43 00-1355 | EA | 6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine | 383.52 | |
| 32 93 43 00-1356 | EA | 8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine | 506.25 | |
| 32 93 43 00-1357 | EA | 10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine | 644.32 | |
| 32 93 43 00-1358 | EA | 12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine | 767.05 | |
| 32 93 43 00-1359 | EA | 24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine | 179.49 | |
| 32 93 43 00-1360 | EA | 1 Gallon Podocarpus macrophyllus - Yew Pine | 7.13 | |
| 32 93 43 00-1361 | EA | 3 Gallon Podocarpus macrophyllus - Yew Pine | 16.72 | |
| 32 93 43 00-1362 | EA | 5 Gallon Podocarpus macrophyllus - Yew Pine | 21.94 | |
| 32 93 43 00-1363 | EA | 15 Gallon Podocarpus macrophyllus - Yew Pine | 95.11 | |
| 32 93 43 00-1364 | EA | 24" Box Podocarpus macrophyllus - Yew Pine | 184.09 | |
| 32 93 43 00-1365 | EA | 5' Pseudotsuga menziesii - Douglas Fir | 133.40 | |
| 32 93 43 00-1366 | EA | 6' Pseudotsuga menziesii - Douglas Fir | 160.08 | |
| 32 93 43 00-1367 | EA | 7' Pseudotsuga menziesii - Douglas Fir | 200.10 | |
| 32 93 43 00-1368 | EA | 8' Pseudotsuga menziesii - Douglas Fir | 240.12 | |
| 32 93 43 00-1369 | EA | 9' Pseudotsuga menziesii - Douglas Fir | 300.15 | |
| 32 93 43 00-1370 | EA | 10' Pseudotsuga menziesii - Douglas Fir | 353.51 | |
| 32 93 43 00-1371 | EA | 12' Pseudotsuga menziesii - Douglas Fir | 400.20 | |
| 32 93 43 00-1372 | EA | 15 Gallon Prosopis alba 'Colorado' - Argentine Mesquite | 113.68 | |
| 32 93 43 00-1373 | EA | 24" Box Prosopis alba 'Colorado' - Argentine Mesquite | 394.93 | |
| 32 93 43 00-1374 | EA | 15 Gallon Prosopis hybrid 'Phoenix' - Phoenix Mesquite | 113.68 | |
| 32 93 43 00-1375 | EA | 24" Box Prosopis hybrid 'Phoenix' - Phoenix Mesquite | 394.93 | |
| 32 93 43 00-1376 | EA | 1 Gallon Prunus ilicifolia ssp lyonii (Prunus lyonii) - Catalina Cherry | 12.97 | |
| 32 93 43 00-1377 | EA | 5 Gallon Prunus ilicifolia ssp lyonii (Prunus lyonii) - Catalina Cherry | 48.87 | |
| 32 93 43 00-1378 | EA | 15 Gallon Prunus ilicifolia ssp lyonii (Prunus lyonii) - Catalina Cherry | 109.71 | |
| 32 93 43 00-1379 | EA | 24" Box Prunus ilicifolia ssp lyonii (Prunus lyonii) - Catalina Cherry | 378.99 | |
| 32 93 43 00-1380 | EA | 24" Box Quercus engelmannii - Mesa Oak | 478.73 | |
| 32 93 43 00-1381 | EA | 36" Box Quercus engelmannii - Mesa Oak | 1,196.82 | |
| 32 93 43 00-1382 | EA | 5 Gallon Quillaja saponaria - Soapbark Tree | 129.66 | |
| 32 93 43 00-1383 | EA | 15 Gallon Quillaja saponaria - Soapbark Tree | 448.81 | |
| 32 93 43 00-1384 | EA | 24" Box Rhus lancea - African Sumac | 189.46 | |
| 32 93 43 00-1385 | EA | 30" Box Rhus lancea - African Sumac | 306.82 | |
| 32 93 43 00-1386 | EA | 8' Rhus lancea - African Sumac | 460.23 | |
| 32 93 43 00-1387 | EA | 10' Rhus lancea - African Sumac | 513.92 | |
| 32 93 43 00-1388 | EA | 12' Rhus lancea - African Sumac | 613.64 | |
| 32 93 43 00-1389 | EA | 5' To 6' Sequoia sempervirens - Dawn Redwood | 65.21 | |
| 32 93 43 00-1390 | EA | 6' To 8' Sequoia sempervirens - Dawn Redwood | 88.03 | |
| 32 93 43 00-1391 | EA | 8' To 10' Sequoia sempervirens - Dawn Redwood | 107.60 | |
| 32 93 43 00-1392 | EA | 3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae | 12.57 | |
| 32 93 43 00-1393 | EA | 3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae | 23.54 | |
| 32 93 43 00-1394 | EA | 5' To 6' Taxodium distichum & cvs - Bald Cypress | 46.35 | |
| 32 93 43 00-1395 | EA | 6' To 7' Taxodium distichum & cvs - Bald Cypress | 57.94 | |
| 32 93 43 00-1396 | EA | 7' To 8' Taxodium distichum & cvs - Bald Cypress | 71.63 | |
| 32 93 43 00-1397 | EA | 8' To 10' Taxodium distichum & cvs - Bald Cypress | 90.64 | |
| 32 93 43 00-1398 | EA | 6' Tsuga canadensis - Northern Hemlock | 133.40 | |
| 32 93 43 00-1399 | EA | 7' Tsuga canadensis - Northern Hemlock | 166.75 | |
| 32 93 43 00-1400 | EA | 8' Tsuga canadensis - Northern Hemlock | 226.78 | |
| 32 93 43 00-1401 | EA | 9' Tsuga canadensis - Northern Hemlock | 266.80 | |
| 32 93 43 00-1402 | EA | 10' Tsuga canadensis - Northern Hemlock | 300.15 | |
| 32 93 43 00-1403 | EA | 12' Tsuga canadensis - Northern Hemlock | 333.50 | |
| 32 93 43 00-1404 | EA | 1 Gallon Tristania conferta - Brisbane Box | 12.97 | |
| 32 93 43 00-1405 | EA | 5 Gallon Tristania conferta - Brisbane Box | 35.90 | |
| 32 93 43 00-1406 | EA | 15 Gallon Tristania conferta - Brisbane Box | 97.74 | |
| 32 93 43 00-1407 | EA | 24" Box Tristania conferta - Brisbane Box | 319.15 | |
| 32 93 43 00-1408 | EA | 36" Box Tristania conferta - Brisbane Box | 897.62 | |

## 32 93 43 00-1409 Palm And Subtropical Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

| | | | | |
|---|---|---|---|---|
| 32 93 43 00-1410 | EA | 4' To 5' Acacia baileyana - Bailey Acacia | 250.94 | |
| 32 93 43 00-1411 | EA | 6' Acacia baileyana - Bailey Acacia | 301.13 | |
| 32 93 43 00-1412 | EA | 8' Acacia baileyana - Bailey Acacia | 351.32 | |
| 32 93 43 00-1413 | EA | 10' Acacia baileyana - Bailey Acacia | 439.14 | |
| 32 93 43 00-1414 | EA | 6' Agonis flexuosa - Peppermint Tree | 150.56 | |
| 32 93 43 00-1415 | EA | 8' Agonis flexuosa - Peppermint Tree | 188.20 | |
| 32 93 43 00-1416 | EA | 10' Agonis flexuosa - Peppermint Tree | 225.85 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-1417 | EA | 24" Box Agonis flexuosa - Peppermint Tree | 187.58 | |
| 32 93 43 00-1418 | EA | 4' To 5' Archontophoenix cunninghamiana - King Palm | 102.64 | |
| 32 93 43 00-1419 | EA | 6' To 8' Archontophoenix cunninghamiana - King Palm | 159.66 | |
| 32 93 43 00-1420 | EA | 8' To 10' Archontophoenix cunninghamiana - King Palm | 205.28 | |
| 32 93 43 00-1421 | EA | 10' To 12' Archontophoenix cunninghamiana - King Palm | 273.70 | |
| 32 93 43 00-1422 | EA | 4' To 5' Arecastrum romanzoffianum - Queen Palm | 77.76 | |
| 32 93 43 00-1423 | EA | 6' To 8' Arecastrum romanzoffianum - Queen Palm | 108.86 | |
| 32 93 43 00-1424 | EA | 8' To 10' Arecastrum romanzoffianum - Queen Palm | 139.96 | |
| 32 93 43 00-1425 | EA | 10' To 12' Arecastrum romanzoffianum - Queen Palm | 171.06 | |
| 32 93 43 00-1426 | EA | 12' To 14' Arecastrum romanzoffianum - Queen Palm | 207.35 | |
| 32 93 43 00-1427 | EA | 14' To 16' Arecastrum romanzoffianum - Queen Palm | 259.19 | |
| 32 93 43 00-1428 | EA | 4' To 5' Bauninia blakeana - Hong Kong Orchid | 445.80 | |
| 32 93 43 00-1429 | EA | 6' Bauninia blakeana - Hong Kong Orchid | 528.74 | |
| 32 93 43 00-1430 | EA | 8' Bauninia blakeana - Hong Kong Orchid | 704.99 | |
| 32 93 43 00-1431 | EA | 10' Bauninia blakeana - Hong Kong Orchid | 881.24 | |
| 32 93 43 00-1432 | EA | 6' Bauhinia purpurea - Purple Orchid Tree | 559.84 | |
| 32 93 43 00-1433 | EA | 8' Bauhinia purpurea - Purple Orchid Tree | 746.46 | |
| 32 93 43 00-1434 | EA | 10' Bauhinia purpurea - Purple Orchid Tree | 933.08 | |
| 32 93 43 00-1435 | EA | 24" Box Bauhinia purpurea - Purple Orchid Tree | 242.60 | |
| 32 93 43 00-1436 | EA | 6' Bauhinia variegata candida - White Orchid Tree | 622.05 | |
| 32 93 43 00-1437 | EA | 8' Bauhinia variegata candida - White Orchid Tree | 829.40 | |
| 32 93 43 00-1438 | EA | 10' Bauhinia variegata candida - White Orchid Tree | 1,036.75 | |
| 32 93 43 00-1439 | EA | 6' Callistemon citrinus - Crimson or Lemon Bottle Brush | 338.77 | |
| 32 93 43 00-1440 | EA | 8' Callistemon citrinus - Crimson or Lemon Bottle Brush | 451.69 | |
| 32 93 43 00-1441 | EA | 10' Callistemon citrinus - Crimson or Lemon Bottle Brush | 564.62 | |
| 32 93 43 00-1442 | EA | 6' Callistemon viminalis - Weeping Bottle Brush | 338.77 | |
| 32 93 43 00-1443 | EA | 8' Callistemon viminalis - Weeping Bottle Brush | 451.69 | |
| 32 93 43 00-1444 | EA | 10' Callistemon viminalis - Weeping Bottle Brush | 564.62 | |
| 32 93 43 00-1445 | EA | 12' Callistemon viminalis - Weeping Bottle Brush | 677.54 | |
| 32 93 43 00-1446 | EA | 3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm | 217.72 | |
| 32 93 43 00-1447 | EA | 5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm | 342.13 | |
| 32 93 43 00-1448 | EA | 3' To 4' Chamaerops humilis - European Fan Palm | 186.62 | |
| 32 93 43 00-1449 | EA | 5' To 6' Chamaerops humilis - European Fan Palm | 248.82 | |
| 32 93 43 00-1450 | EA | 7' To 8' Chamaerops humilis - European Fan Palm | 580.58 | |
| 32 93 43 00-1451 | EA | 9' To 10' Chamaerops humilis - European Fan Palm | 995.28 | |
| 32 93 43 00-1452 | EA | 6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut | 145.14 | |
| 32 93 43 00-1453 | EA | 8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut | 290.29 | |
| 32 93 43 00-1454 | EA | 10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut | 373.23 | |
| 32 93 43 00-1455 | EA | 12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut | 518.38 | |
| 32 93 43 00-1456 | EA | 12' To 16' Cocos nucifera - Coconut Palm | 437.24 | |
| 32 93 43 00-1457 | EA | 6' Eriobotrya deflexa - Bronze Loquat | 559.84 | |
| 32 93 43 00-1458 | EA | 8' Eriobotrya deflexa - Bronze Loquat | 746.46 | |
| 32 93 43 00-1459 | EA | 10' Eriobotrya deflexa - Bronze Loquat | 933.08 | |
| 32 93 43 00-1460 | EA | 6' Eucalyptus erythrocorys - Red Cap Gum | 559.84 | |
| 32 93 43 00-1461 | EA | 8' Eucalyptus erythrocorys - Red Cap Gum | 746.46 | |
| 32 93 43 00-1462 | EA | 10' Eucalyptus erythrocorys - Red Cap Gum | 933.08 | |
| 32 93 43 00-1463 | EA | 6' Eucalyptus gunnii - Cider Gum | 559.84 | |
| 32 93 43 00-1464 | EA | 8' Eucalyptus gunnii - Cider Gum | 746.46 | |
| 32 93 43 00-1465 | EA | 10' Eucalyptus gunnii - Cider Gum | 933.08 | |
| 32 93 43 00-1466 | EA | 6' Eucalyptus leucoxylon - White Ironbark | 559.84 | |
| 32 93 43 00-1467 | EA | 8' Eucalyptus leucoxylon - White Ironbark | 746.46 | |
| 32 93 43 00-1468 | EA | 10' Eucalyptus leucoxylon - White Ironbark | 933.08 | |
| 32 93 43 00-1469 | EA | 12' Eucalyptus leucoxylon - White Ironbark | 1,119.69 | |
| 32 93 43 00-1470 | EA | 6' Eucalyptus polyanthemos - Silver Dollar Gum | 559.84 | |
| 32 93 43 00-1471 | EA | 8' Eucalyptus polyanthemos - Silver Dollar Gum | 746.46 | |
| 32 93 43 00-1472 | EA | 10' Eucalyptus polyanthemos - Silver Dollar Gum | 933.08 | |
| 32 93 43 00-1473 | EA | 6' Eucalyptus torquala - Coral Gum | 559.84 | |
| 32 93 43 00-1474 | EA | 8' Eucalyptus torquala - Coral Gum | 746.46 | |
| 32 93 43 00-1475 | EA | 10' Eucalyptus torquala - Coral Gum | 933.08 | |
| 32 93 43 00-1476 | EA | 8' Fraxinus oxycarpa "Raywood" - Raywood Ash | 351.32 | |
| 32 93 43 00-1477 | EA | 10' Fraxinus oxycarpa "Raywood" - Raywood Ash | 476.79 | |
| 32 93 43 00-1478 | EA | 12' Fraxinus oxycarpa "Raywood" - Raywood Ash | 589.71 | |
| 32 93 43 00-1479 | EA | 6' Jacarandra acutifolia - Jacaranda | 559.84 | |
| 32 93 43 00-1480 | EA | 8' Jacarandra acutifolia - Jacaranda | 746.46 | |
| 32 93 43 00-1481 | EA | 10' Jacarandra acutifolia - Jacaranda | 933.08 | |
| 32 93 43 00-1482 | EA | 24" Box Jacarandra acutifolia - Jacaranda | 242.60 | |
| 32 93 43 00-1483 | EA | 6' Olea europaea - Olive "Fruitless" | 414.21 | |
| 32 93 43 00-1484 | EA | 8' Olea europaea - Olive "Fruitless" | 552.28 | |
| 32 93 43 00-1485 | EA | 10' Olea europaea - Olive "Fruitless" | 690.34 | |
| 32 93 43 00-1486 | EA | 12' Olea europaea - Olive "Fruitless" | 828.41 | |
| 32 93 43 00-1487 | EA | 24" Box Olea europaea - Olive "Fruitless" | 509.32 | |
| 32 93 43 00-1488 | EA | 5 Gallon Pistacia chinensis - Chinese Pistache | 37.32 | |
| 32 93 43 00-1489 | EA | 15 Gallon Pistacia chinensis - Chinese Pistache | 124.41 | |
| 32 93 43 00-1490 | EA | 24" Box Pistacia chinensis - Chinese Pistache | 483.13 | |
| 32 93 43 00-1491 | EA | 36" Box Pistacia chinensis - Chinese Pistache | 1,285.57 | |
| 32 93 43 00-1492 | EA | 48" Box Pistacia chinensis - Chinese Pistache | 2,737.02 | |
| 32 93 43 00-1493 | EA | 5 Gallon Pyrus kawakamii - Evergreen Pear, Single | 23.34 | |
| 32 93 43 00-1494 | EA | 15 Gallon Pyrus kawakamii - Evergreen Pear, Single | 77.79 | |
| 32 93 43 00-1495 | EA | 24" Box Pyrus kawakamii - Evergreen Pear, Single | 292.35 | |
| 32 93 43 00-1496 | EA | 30" Box Pyrus kawakamii - Evergreen Pear, Single | 534.50 | |
| 32 93 43 00-1497 | EA | 36" Box Pyrus kawakamii - Evergreen Pear, Single | 777.91 | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 43 00-1498 | EA | 5 Gallon Pyrus kawakamii - Evergreen Pear, Multi | 23.34 | |
| 32 93 43 00-1499 | EA | 15 Gallon Pyrus kawakamii - Evergreen Pear, Multi | 82.81 | |
| 32 93 43 00-1500 | EA | 24" Box Pyrus kawakamii - Evergreen Pear, Multi | 301.13 | |
| 32 93 43 00-1501 | EA | 30" Box Pyrus kawakamii - Evergreen Pear, Multi | 534.50 | |
| 32 93 43 00-1502 | EA | 36" Box Pyrus kawakamii - Evergreen Pear, Multi | 777.91 | |
| 32 93 43 00-1503 | EA | 4' To 5' Rhapis excelsa - Lady Palm | 393.96 | |
| 32 93 43 00-1504 | EA | 6' To 7' Rhapis excelsa - Lady Palm | 559.84 | |
| 32 93 43 00-1505 | EA | 8' To 9' Roystonea regia - Royal Palm | 317.25 | |
| 32 93 43 00-1506 | EA | 10' To 11' Roystonea regia - Royal Palm | 387.74 | |
| 32 93 43 00-1507 | EA | 12' To 13' Roystonea regia - Royal Palm | 458.24 | |
| 32 93 43 00-1508 | EA | 14' To 15' Roystonea regia - Royal Palm | 528.74 | |
| 32 93 43 00-1509 | EA | 16' To 17' Roystonea regia - Royal Palm | 599.24 | |
| 32 93 43 00-1510 | EA | 18' To 19' Roystonea regia - Royal Palm | 669.74 | |
| 32 93 43 00-1511 | EA | 20' To 21' Roystonea regia - Royal Palm | 740.24 | |
| 32 93 43 00-1512 | EA | 10' To 16' Sabal palmetto - Cabbage Palm | 160.33 | |
| 32 93 43 00-1513 | EA | 6' To 7' Thrinax morrisii - Key Thatch Palm | 435.44 | |
| 32 93 43 00-1514 | EA | 8' To 9' Thrinax morrisii - Key Thatch Palm | 559.84 | |
| 32 93 43 00-1515 | EA | 10' To 11' Thrinax morrisii - Key Thatch Palm | 684.26 | |
| 32 93 43 00-1516 | EA | 9' Ptychosperma elegans - Alexander Palm, Solitaire Palm | 155.51 | |
| 32 93 43 00-1517 | EA | 11' Ptychosperma elegans - Alexander Palm, Solitaire Palm | 259.19 | |
| 32 93 43 00-1518 | EA | 15' Ptychosperma elegans - Alexander Palm, Solitaire Palm | 393.96 | |
| 32 93 43 00-1519 | EA | 17' Ptychosperma elegans - Alexander Palm, Solitaire Palm | 445.80 | |
| 32 93 43 00-1520 | EA | 20' Ptychosperma elegans - Alexander Palm, Solitaire Palm | 518.38 | |
| 32 93 43 00-1521 | EA | 1 Gallon Washingtonia robusta - Mexican Fan Palm | 9.30 | |
| 32 93 43 00-1522 | EA | 5 Gallon Washingtonia robusta - Mexican Fan Palm | 28.94 | |
| 32 93 43 00-1523 | EA | 15 Gallon Washingtonia robusta - Mexican Fan Palm | 101.31 | |
| 32 93 43 00-1524 | EA | 24" Box Washingtonia robusta - Mexican Fan Palm | 330.80 | |
| 32 93 43 00-1525 | EA | 36" Box Washingtonia robusta - Mexican Fan Palm | 878.69 | |
| 32 93 43 00-1526 | EA | 6' Washingtonia robusta - Mexican Fan Palm | 559.84 | |
| 32 93 43 00-1527 | EA | 8' Washingtonia robusta - Mexican Fan Palm | 746.46 | |
| 32 93 43 00-1528 | EA | 10' Washingtonia robusta - Mexican Fan Palm | 933.08 | |
| 32 93 43 00-1529 | EA | 12' Washingtonia robusta - Mexican Fan Palm | 1,119.69 | |
| 32 93 43 00-1530 | EA | 5 Gallon Phoenix roebelenii - Pygmy Date Palm | 25.36 | |
| 32 93 43 00-1531 | EA | 7 Gallon Phoenix roebelenii - Pygmy Date Palm | 61.80 | |
| 32 93 43 00-1532 | EA | 15 Gallon Phoenix roebelenii - Pygmy Date Palm | 93.50 | |
| 32 93 43 00-1533 | EA | 24" Box Phoenix roebelenii - Pygmy Date Palm | 277.32 | |

## 32 93 63 Specialty Plants *(32 93)*

### 32 93 63 00-0001 Specialty Plants In Place *(32 93 63)*

Note: Includes plant and placement for trees.

| | | | |
|---|---|---|---|
| 32 93 63 00-0002 | EA | 5 Gallon Trees | 178.86 |
| 32 93 63 00-0003 | EA | 7 Gallon Trees | 216.13 |
| 32 93 63 00-0004 | EA | 15 Gallon Trees | 432.80 |
| 32 93 63 00-0005 | EA | 24" Box Container Trees | 764.93 |
| 32 93 63 00-0006 | EA | 36" Box Container Trees | 2,353.69 |
| 32 93 63 00-0007 | EA | 48" Box Container Trees | 4,870.68 |
| 32 93 63 00-0008 | EA | 60" Box Container Trees | 8,019.58 |
| 32 93 63 00-0009 | EA | 72" Box Container Trees | 13,389.91 |

## 32 93 83 Planting of Trees, Shrubs and Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

### 32 93 83 00-0001 Planting Trees *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

| | | | |
|---|---|---|---|
| 32 93 83 00-0002 | EA | 3" To 5" Bare Root Seedlings Tree Planting | 1.55 |
| 32 93 83 00-0003 | EA | 6" To 10" Bare Root Seedlings Tree Planting | 2.49 |
| 32 93 83 00-0004 | EA | 11" To 16" Bare Root Seedlings Tree Planting | 3.11 |
| 32 93 83 00-0005 | EA | 17" To 24" Bare Root Seedlings Tree Planting | 4.98 |
| 32 93 83 00-0006 | EA | 1 Gallon Container Tree Planting | 24.90 |
| | | *For >10 To 25, Deduct* | *-1.25* |
| | | *For >25 To 50, Deduct* | *-3.11* |
| | | *For >50 To 100, Deduct* | *-4.98* |
| | | *For >100, Deduct* | *-7.47* |
| 32 93 83 00-0007 | EA | 2 Gallon Container Tree Planting | 34.86 |
| | | *For >10 To 25, Deduct* | *-1.74* |
| | | *For >25 To 50, Deduct* | *-4.36* |
| | | *For >50 To 100, Deduct* | *-6.97* |
| | | *For >100, Deduct* | *-10.46* |
| 32 93 83 00-0008 | EA | 3 Gallon Container Tree Planting | 44.82 |
| | | *For >10 To 25, Deduct* | *-2.24* |
| | | *For >25 To 50, Deduct* | *-5.60* |
| | | *For >50 To 100, Deduct* | *-8.96* |
| | | *For >100, Deduct* | *-13.45* |
| 32 93 83 00-0009 | EA | 5 Gallon Container Tree Planting | 74.71 |
| | | *For >10 To 25, Deduct* | *-3.74* |
| | | *For >25 To 50, Deduct* | *-9.34* |
| | | *For >50 To 100, Deduct* | *-14.94* |
| | | *For >100, Deduct* | *-22.41* |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 83 00-0010 | EA | 7 Gallon Container Tree Planting | 99.60 | |
| | | *For >10 To 25, Deduct* | *-4.98* | |
| | | *For >25 To 50, Deduct* | *-12.45* | |
| | | *For >50 To 100, Deduct* | *-19.92* | |
| | | *For >100, Deduct* | *-29.88* | |
| 32 93 83 00-0011 | EA | 10 Gallon Container Tree Planting | 129.49 | |
| | | *For >10 To 25, Deduct* | *-6.47* | |
| | | *For >25 To 50, Deduct* | *-16.19* | |
| | | *For >50 To 100, Deduct* | *-25.90* | |
| | | *For >100, Deduct* | *-38.85* | |
| 32 93 83 00-0012 | EA | 15 Gallon Container Tree Planting | 184.27 | |
| | | *For >10 To 25, Deduct* | *-9.21* | |
| | | *For >25 To 50, Deduct* | *-23.03* | |
| | | *For >50 To 100, Deduct* | *-36.85* | |
| | | *For >100, Deduct* | *-55.28* | |
| 32 93 83 00-0013 | EA | 20 Gallon Container Tree Planting | 303.80 | |
| | | *For >10 To 25, Deduct* | *-15.19* | |
| | | *For >25 To 50, Deduct* | *-37.98* | |
| | | *For >50 To 100, Deduct* | *-60.76* | |
| | | *For >100, Deduct* | *-91.14* | |
| 32 93 83 00-0014 | EA | 25 Gallon Container Tree Planting | 393.44 | |
| | | *For >10 To 25, Deduct* | *-19.67* | |
| | | *For >25 To 50, Deduct* | *-49.18* | |
| | | *For >50 To 100, Deduct* | *-78.69* | |
| | | *For >100, Deduct* | *-118.03* | |
| 32 93 83 00-0015 | EA | 30 Gallon Container Tree Planting | 473.13 | |
| | | *For >10 To 25, Deduct* | *-23.66* | |
| | | *For >25 To 50, Deduct* | *-59.14* | |
| | | *For >50 To 100, Deduct* | *-94.63* | |
| | | *For >100, Deduct* | *-141.94* | |
| 32 93 83 00-0016 | EA | 45 Gallon Container Tree Planting | 587.68 | |
| | | *For >10 To 25, Deduct* | *-29.38* | |
| | | *For >25 To 50, Deduct* | *-73.46* | |
| | | *For >50 To 100, Deduct* | *-117.54* | |
| | | *For >100, Deduct* | *-176.30* | |
| 32 93 83 00-0017 | EA | 65 Gallon Container Tree Planting | 697.24 | |
| | | *For >10 To 25, Deduct* | *-34.86* | |
| | | *For >25 To 50, Deduct* | *-87.16* | |
| | | *For >50 To 100, Deduct* | *-139.45* | |
| | | *For >100, Deduct* | *-209.17* | |
| 32 93 83 00-0018 | EA | 24" Box Container Tree Planting | 129.49 | |
| | | *For >10 To 25, Deduct* | *-6.47* | |
| | | *For >25 To 50, Deduct* | *-16.19* | |
| | | *For >50 To 100, Deduct* | *-25.90* | |
| | | *For >100, Deduct* | *-38.85* | |
| 32 93 83 00-0019 | EA | 36" Box Container Tree Planting | 393.44 | |
| | | *For >10 To 25, Deduct* | *-19.67* | |
| | | *For >25 To 50, Deduct* | *-49.18* | |
| | | *For >50 To 100, Deduct* | *-78.69* | |
| | | *For >100, Deduct* | *-118.03* | |
| 32 93 83 00-0020 | EA | 48" Box Container Tree Planting | 697.24 | |
| | | *For >10 To 25, Deduct* | *-34.86* | |
| | | *For >25 To 50, Deduct* | *-87.16* | |
| | | *For >50 To 100, Deduct* | *-139.45* | |
| | | *For >100, Deduct* | *-209.17* | |
| 32 93 83 00-0021 | EA | 60" Box Container Tree Planting | 826.73 | |
| | | *For >10 To 25, Deduct* | *-41.34* | |
| | | *For >25 To 50, Deduct* | *-103.34* | |
| | | *For >50 To 100, Deduct* | *-165.35* | |
| | | *For >100, Deduct* | *-248.02* | |
| 32 93 83 00-0022 | EA | 72" Box Container Tree Planting | 996.07 | |
| | | *For >10 To 25, Deduct* | *-49.80* | |
| | | *For >25 To 50, Deduct* | *-124.51* | |
| | | *For >50 To 100, Deduct* | *-199.21* | |
| | | *For >100, Deduct* | *-298.82* | |
| 32 93 83 00-0023 | EA | 6' Balled And Burlapped Tree Planting | 249.02 | |
| | | *For >10 To 25, Deduct* | *-12.45* | |
| | | *For >25 To 50, Deduct* | *-31.13* | |
| | | *For >50 To 100, Deduct* | *-49.80* | |
| | | *For >100, Deduct* | *-74.71* | |
| 32 93 83 00-0024 | EA | 7' Balled And Burlapped Tree Planting | 331.69 | |
| | | *For >10 To 25, Deduct* | *-16.58* | |
| | | *For >25 To 50, Deduct* | *-41.46* | |
| | | *For >50 To 100, Deduct* | *-66.34* | |
| | | *For >100, Deduct* | *-99.51* | |
| 32 93 83 00-0025 | EA | 8' Balled And Burlapped Tree Planting | 373.53 | |
| | | *For >10 To 25, Deduct* | *-18.68* | |
| | | *For >25 To 50, Deduct* | *-46.69* | |
| | | *For >50 To 100, Deduct* | *-74.71* | |
| | | *For >100, Deduct* | *-112.06* | |
| 32 93 83 00-0026 | EA | 10' Balled And Burlapped Tree Planting | 435.78 | |
| | | *For >10 To 25, Deduct* | *-21.79* | |
| | | *For >25 To 50, Deduct* | *-54.47* | |
| | | *For >50 To 100, Deduct* | *-87.16* | |
| | | *For >100, Deduct* | *-130.73* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 83 00-0027 | EA | 12' Balled And Burlapped Tree Planting | 582.70 | |
| | | *For >10 To 25, Deduct* | *-29.14* | |
| | | *For >25 To 50, Deduct* | *-72.84* | |
| | | *For >50 To 100, Deduct* | *-116.54* | |
| | | *For >100, Deduct* | *-174.81* | |
| 32 93 83 00-0028 | EA | 14' Balled And Burlapped Tree Planting | 667.37 | |
| | | *For >10 To 25, Deduct* | *-33.37* | |
| | | *For >25 To 50, Deduct* | *-83.42* | |
| | | *For >50 To 100, Deduct* | *-133.47* | |
| | | *For >100, Deduct* | *-200.21* | |
| 32 93 83 00-0029 | EA | 16' Balled And Burlapped Tree Planting | 809.31 | |
| | | *For >10 To 25, Deduct* | *-40.47* | |
| | | *For >25 To 50, Deduct* | *-101.16* | |
| | | *For >50 To 100, Deduct* | *-161.86* | |
| | | *For >100, Deduct* | *-242.79* | |
| 32 93 83 00-0030 | EA | 18' Balled And Burlapped Tree Planting | 971.17 | |
| | | *For >10 To 25, Deduct* | *-48.56* | |
| | | *For >25 To 50, Deduct* | *-121.40* | |
| | | *For >50 To 100, Deduct* | *-194.23* | |
| | | *For >100, Deduct* | *-291.35* | |
| 32 93 83 00-0031 | EA | 20' Balled And Burlapped Tree Planting | 1,120.58 | |
| | | *For >10 To 25, Deduct* | *-56.03* | |
| | | *For >25 To 50, Deduct* | *-140.07* | |
| | | *For >50 To 100, Deduct* | *-224.12* | |
| | | *For >100, Deduct* | *-336.17* | |
| 32 93 83 00-0032 | EA | 1-1/2" Caliper Balled And Burlapped Tree Planting | 373.53 | |
| | | *For >10 To 25, Deduct* | *-18.68* | |
| | | *For >25 To 50, Deduct* | *-46.69* | |
| | | *For >50 To 100, Deduct* | *-74.71* | |
| | | *For >100, Deduct* | *-112.06* | |
| 32 93 83 00-0033 | EA | 2" Caliper Balled And Burlapped Tree Planting | 435.78 | |
| | | *For >10 To 25, Deduct* | *-21.79* | |
| | | *For >25 To 50, Deduct* | *-54.47* | |
| | | *For >50 To 100, Deduct* | *-87.16* | |
| | | *For >100, Deduct* | *-130.73* | |
| 32 93 83 00-0034 | EA | 2-1/2" Caliper Balled And Burlapped Tree Planting | 585.19 | |
| | | *For >10 To 25, Deduct* | *-29.26* | |
| | | *For >25 To 50, Deduct* | *-73.15* | |
| | | *For >50 To 100, Deduct* | *-117.04* | |
| | | *For >100, Deduct* | *-175.56* | |
| 32 93 83 00-0035 | EA | 3" Caliper Balled And Burlapped Tree Planting | 672.34 | |
| | | *For >10 To 25, Deduct* | *-33.62* | |
| | | *For >25 To 50, Deduct* | *-84.04* | |
| | | *For >50 To 100, Deduct* | *-134.47* | |
| | | *For >100, Deduct* | *-201.70* | |
| 32 93 83 00-0036 | EA | 3-1/2" Caliper Balled And Burlapped Tree Planting | 747.05 | |
| | | *For >10 To 25, Deduct* | *-37.35* | |
| | | *For >25 To 50, Deduct* | *-93.38* | |
| | | *For >50 To 100, Deduct* | *-149.41* | |
| | | *For >100, Deduct* | *-224.12* | |
| 32 93 83 00-0037 | EA | 4" Caliper Balled And Burlapped Tree Planting | 856.61 | |
| | | *For >10 To 25, Deduct* | *-42.83* | |
| | | *For >25 To 50, Deduct* | *-107.08* | |
| | | *For >50 To 100, Deduct* | *-171.32* | |
| | | *For >100, Deduct* | *-256.98* | |

## 32 93 83 00-0038 Planting Shrubs *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

| | | | | |
|---|---|---|---|---|
| 32 93 83 00-0039 | EA | 1 Gallon Container Shrub Planting | 21.18 | |
| | | *For >10 To 25, Deduct* | *-1.06* | |
| | | *For >25 To 50, Deduct* | *-2.65* | |
| | | *For >50 To 100, Deduct* | *-4.24* | |
| | | *For >100, Deduct* | *-6.35* | |
| 32 93 83 00-0040 | EA | 2 Gallon Container Shrub Planting | 29.88 | |
| | | *For >10 To 25, Deduct* | *-1.49* | |
| | | *For >25 To 50, Deduct* | *-3.74* | |
| | | *For >50 To 100, Deduct* | *-5.98* | |
| | | *For >100, Deduct* | *-8.96* | |
| 32 93 83 00-0041 | EA | 3 Gallon Container Shrub Planting | 37.35 | |
| | | *For >10 To 25, Deduct* | *-1.87* | |
| | | *For >25 To 50, Deduct* | *-4.67* | |
| | | *For >50 To 100, Deduct* | *-7.47* | |
| | | *For >100, Deduct* | *-11.21* | |
| 32 93 83 00-0042 | EA | 4 Gallon Container Shrub Planting | 49.81 | |
| | | *For >10 To 25, Deduct* | *-2.49* | |
| | | *For >25 To 50, Deduct* | *-6.23* | |
| | | *For >50 To 100, Deduct* | *-9.96* | |
| | | *For >100, Deduct* | *-14.94* | |
| 32 93 83 00-0043 | EA | 5 Gallon Container Shrub Planting | 62.26 | |
| | | *For >10 To 25, Deduct* | *-3.11* | |
| | | *For >25 To 50, Deduct* | *-7.78* | |
| | | *For >50 To 100, Deduct* | *-12.45* | |
| | | *For >100, Deduct* | *-18.68* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 83 00-0044 | EA | 7 Gallon Container Shrub Planting | 84.67 | |
| | | *For >10 To 25, Deduct* | *-4.23* | |
| | | *For >25 To 50, Deduct* | *-10.58* | |
| | | *For >50 To 100, Deduct* | *-16.93* | |
| | | *For >100, Deduct* | *-25.40* | |
| 32 93 83 00-0045 | EA | 10 Gallon Container Shrub Planting | 112.05 | |
| | | *For >10 To 25, Deduct* | *-5.60* | |
| | | *For >25 To 50, Deduct* | *-14.01* | |
| | | *For >50 To 100, Deduct* | *-22.41* | |
| | | *For >100, Deduct* | *-33.62* | |
| 32 93 83 00-0046 | EA | 15 Gallon Container Shrub Planting | 154.39 | |
| | | *For >10 To 25, Deduct* | *-7.72* | |
| | | *For >25 To 50, Deduct* | *-19.30* | |
| | | *For >50 To 100, Deduct* | *-30.88* | |
| | | *For >100, Deduct* | *-46.32* | |
| 32 93 83 00-0047 | EA | 20 Gallon Container Shrub Planting | 258.98 | |
| | | *For >10 To 25, Deduct* | *-12.95* | |
| | | *For >25 To 50, Deduct* | *-32.37* | |
| | | *For >50 To 100, Deduct* | *-51.80* | |
| | | *For >100, Deduct* | *-77.69* | |
| 32 93 83 00-0048 | EA | 25 Gallon Container Shrub Planting | 331.69 | |
| | | *For >10 To 25, Deduct* | *-16.58* | |
| | | *For >25 To 50, Deduct* | *-41.46* | |
| | | *For >50 To 100, Deduct* | *-66.34* | |
| | | *For >100, Deduct* | *-99.51* | |
| 32 93 83 00-0049 | EA | 15" Balled And Burlapped Shrub Planting | 69.72 | |
| | | *For >10 To 25, Deduct* | *-3.49* | |
| | | *For >25 To 50, Deduct* | *-8.72* | |
| | | *For >50 To 100, Deduct* | *-13.94* | |
| | | *For >100, Deduct* | *-20.92* | |
| 32 93 83 00-0050 | EA | 18" Balled And Burlapped Shrub Planting | 72.22 | |
| | | *For >10 To 25, Deduct* | *-3.61* | |
| | | *For >25 To 50, Deduct* | *-9.03* | |
| | | *For >50 To 100, Deduct* | *-14.44* | |
| | | *For >100, Deduct* | *-21.67* | |
| 32 93 83 00-0051 | EA | 24" Balled And Burlapped Shrub Planting | 79.68 | |
| | | *For >10 To 25, Deduct* | *-3.98* | |
| | | *For >25 To 50, Deduct* | *-9.96* | |
| | | *For >50 To 100, Deduct* | *-15.94* | |
| | | *For >100, Deduct* | *-23.90* | |
| 32 93 83 00-0052 | EA | 30" Balled And Burlapped Shrub Planting | 79.68 | |
| | | *For >10 To 25, Deduct* | *-3.98* | |
| | | *For >25 To 50, Deduct* | *-9.96* | |
| | | *For >50 To 100, Deduct* | *-15.94* | |
| | | *For >100, Deduct* | *-23.90* | |
| 32 93 83 00-0053 | EA | 36" Balled And Burlapped Shrub Planting | 87.16 | |
| | | *For >10 To 25, Deduct* | *-4.36* | |
| | | *For >25 To 50, Deduct* | *-10.90* | |
| | | *For >50 To 100, Deduct* | *-17.43* | |
| | | *For >100, Deduct* | *-26.15* | |
| 32 93 83 00-0054 | EA | 42" Balled And Burlapped Shrub Planting | 92.14 | |
| | | *For >10 To 25, Deduct* | *-4.61* | |
| | | *For >25 To 50, Deduct* | *-11.52* | |
| | | *For >50 To 100, Deduct* | *-18.43* | |
| | | *For >100, Deduct* | *-27.64* | |
| 32 93 83 00-0055 | EA | 48" Balled And Burlapped Shrub Planting | 99.60 | |
| | | *For >10 To 25, Deduct* | *-4.98* | |
| | | *For >25 To 50, Deduct* | *-12.45* | |
| | | *For >50 To 100, Deduct* | *-19.92* | |
| | | *For >100, Deduct* | *-29.88* | |
| 32 93 83 00-0056 | EA | 5' Balled And Burlapped Shrub Planting | 149.41 | |
| | | *For >10 To 25, Deduct* | *-7.47* | |
| | | *For >25 To 50, Deduct* | *-18.68* | |
| | | *For >50 To 100, Deduct* | *-29.88* | |
| | | *For >100, Deduct* | *-44.82* | |
| 32 93 83 00-0057 | EA | 6' Balled And Burlapped Shrub Planting | 211.67 | |
| | | *For >10 To 25, Deduct* | *-10.58* | |
| | | *For >25 To 50, Deduct* | *-26.46* | |
| | | *For >50 To 100, Deduct* | *-42.33* | |
| | | *For >100, Deduct* | *-63.50* | |
| 32 93 83 00-0058 | EA | 7' Balled And Burlapped Shrub Planting | 281.39 | |
| | | *For >10 To 25, Deduct* | *-14.07* | |
| | | *For >25 To 50, Deduct* | *-35.17* | |
| | | *For >50 To 100, Deduct* | *-56.28* | |
| | | *For >100, Deduct* | *-84.42* | |
| 32 93 83 00-0059 | EA | 8' Balled And Burlapped Shrub Planting | 318.74 | |
| | | *For >10 To 25, Deduct* | *-15.94* | |
| | | *For >25 To 50, Deduct* | *-39.84* | |
| | | *For >50 To 100, Deduct* | *-63.75* | |
| | | *For >100, Deduct* | *-95.62* | |
| 32 93 83 00-0060 | EA | 9' Balled And Burlapped Shrub Planting | 343.65 | |
| | | *For >10 To 25, Deduct* | *-17.18* | |
| | | *For >25 To 50, Deduct* | *-42.96* | |
| | | *For >50 To 100, Deduct* | *-68.73* | |
| | | *For >100, Deduct* | *-103.10* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 93 83 00-0061 | EA | 10' Balled And Burlapped Shrub Planting | 373.53 | |
| | | *For >10 To 25, Deduct* | *-18.68* | |
| | | *For >25 To 50, Deduct* | *-46.69* | |
| | | *For >50 To 100, Deduct* | *-74.71* | |
| | | *For >100, Deduct* | *-112.06* | |

## 32 93 83 00-0062 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 83)*

See CSI section 32 91 13 16-0001 for mulch.

| | | | | |
|---|---|---|---|---|
| 32 93 83 00-0063 | EA | 2-1/4" Diameter Potted Groundcover And Flower Planting | 2.08 | |
| | | *For >10 To 25, Deduct* | *-0.10* | |
| | | *For >25 To 50, Deduct* | *-0.26* | |
| | | *For >50 To 100, Deduct* | *-0.42* | |
| | | *For >100, Deduct* | *-0.62* | |
| 32 93 83 00-0064 | EA | 3" Diameter Potted Groundcover And Flower Planting | 2.37 | |
| | | *For >10 To 25, Deduct* | *-0.12* | |
| | | *For >25 To 50, Deduct* | *-0.30* | |
| | | *For >50 To 100, Deduct* | *-0.47* | |
| | | *For >100, Deduct* | *-0.71* | |
| 32 93 83 00-0065 | EA | 4" Diameter Potted Groundcover And Flower Planting | 2.77 | |
| | | *For >10 To 25, Deduct* | *-0.14* | |
| | | *For >25 To 50, Deduct* | *-0.35* | |
| | | *For >50 To 100, Deduct* | *-0.55* | |
| | | *For >100, Deduct* | *-0.83* | |
| 32 93 83 00-0066 | EA | 5-1/2" Diameter Potted Groundcover And Flower Planting | 3.32 | |
| | | *For >10 To 25, Deduct* | *-0.17* | |
| | | *For >25 To 50, Deduct* | *-0.42* | |
| | | *For >50 To 100, Deduct* | *-0.66* | |
| | | *For >100, Deduct* | *-1.00* | |
| 32 93 83 00-0067 | EA | 6" Diameter Potted Groundcover And Flower Planting | 4.15 | |
| | | *For >10 To 25, Deduct* | *-0.21* | |
| | | *For >25 To 50, Deduct* | *-0.52* | |
| | | *For >50 To 100, Deduct* | *-0.83* | |
| | | *For >100, Deduct* | *-1.25* | |
| 32 93 83 00-0068 | EA | 8" Diameter Potted Groundcover And Flower Planting | 6.23 | |
| | | *For >10 To 25, Deduct* | *-0.31* | |
| | | *For >25 To 50, Deduct* | *-0.78* | |
| | | *For >50 To 100, Deduct* | *-1.25* | |
| | | *For >100, Deduct* | *-1.87* | |
| 32 93 83 00-0069 | EA | 1 Gallon Container Groundcover And Flower Planting | 19.92 | |
| | | *For >10 To 25, Deduct* | *-1.00* | |
| | | *For >25 To 50, Deduct* | *-2.49* | |
| | | *For >50 To 100, Deduct* | *-3.98* | |
| | | *For >100, Deduct* | *-5.98* | |
| 32 93 83 00-0070 | EA | 2 Gallon Container Groundcover And Flower Planting | 27.40 | |
| | | *For >10 To 25, Deduct* | *-1.37* | |
| | | *For >25 To 50, Deduct* | *-3.43* | |
| | | *For >50 To 100, Deduct* | *-5.48* | |
| | | *For >100, Deduct* | *-8.22* | |
| 32 93 83 00-0071 | EA | 3 Gallon Container Groundcover And Flower Planting | 34.86 | |
| | | *For >10 To 25, Deduct* | *-1.74* | |
| | | *For >25 To 50, Deduct* | *-4.36* | |
| | | *For >50 To 100, Deduct* | *-6.97* | |
| | | *For >100, Deduct* | *-10.46* | |
| 32 93 83 00-0072 | EA | 4 Gallon Container Groundcover And Flower Planting | 44.82 | |
| | | *For >10 To 25, Deduct* | *-2.24* | |
| | | *For >25 To 50, Deduct* | *-5.60* | |
| | | *For >50 To 100, Deduct* | *-8.96* | |
| | | *For >100, Deduct* | *-13.45* | |
| 32 93 83 00-0073 | EA | 5 Gallon Container Groundcover And Flower Planting | 54.78 | |
| | | *For >10 To 25, Deduct* | *-2.74* | |
| | | *For >25 To 50, Deduct* | *-6.85* | |
| | | *For >50 To 100, Deduct* | *-10.96* | |
| | | *For >100, Deduct* | *-16.43* | |
| 32 93 83 00-0074 | EA | 7 Gallon Container Groundcover And Flower Planting | 74.71 | |
| | | *For >10 To 25, Deduct* | *-3.74* | |
| | | *For >25 To 50, Deduct* | *-9.34* | |
| | | *For >50 To 100, Deduct* | *-14.94* | |
| | | *For >100, Deduct* | *-22.41* | |
| 32 93 83 00-0075 | EA | Bulb Planting | 1.24 | |
| | | *For >10 To 25, Deduct* | *-0.06* | |
| | | *For >25 To 50, Deduct* | *-0.16* | |
| | | *For >50 To 100, Deduct* | *-0.25* | |
| | | *For >100, Deduct* | *-0.37* | |
| 32 93 83 00-0076 | EA | Flats Of 24 Groundcover And Flower Planting | 34.86 | |
| | | *For >10 To 25, Deduct* | *-1.74* | |
| | | *For >25, Deduct* | *-4.36* | |
| 32 93 83 00-0077 | EA | Flats Of 36 Groundcover And Flower Planting | 49.45 | |
| | | *For >10 To 25, Deduct* | *-2.47* | |
| | | *For >25, Deduct* | *-6.18* | |
| 32 93 83 00-0078 | EA | Flats Of 48 Groundcover And Flower Planting | 65.83 | |
| | | *For >10 To 25, Deduct* | *-3.29* | |
| | | *For >25, Deduct* | *-8.23* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

32 93 83 00-0079 **Tree Pits** *(32 93 83)*

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch. See CSI section 32 91 13 16-0000 for appropriate mulch or decorative topping, 32 91 13 16-0001 for appropriate mulch or decorative topping.

| | | | | |
|---|---|---|---|---|
| 32 93 83 00-0080 | EA | 2' x 1-1/4' Deep Tree Pit | 122.85 | |
| 32 93 83 00-0081 | EA | 2' x 2-1/2' Deep Tree Pit | 184.23 | |
| 32 93 83 00-0082 | EA | 2-1/2' x 1-1/2' Deep Tree Pit | 238.78 | |
| 32 93 83 00-0083 | EA | 2-1/2' x 3' Deep Tree Pit | 358.08 | |
| 32 93 83 00-0084 | EA | 3' x 1-3/4' Deep Tree Pit | 367.06 | |
| 32 93 83 00-0085 | EA | 3' x 3-1/2' Deep Tree Pit | 547.53 | |
| 32 93 83 00-0086 | EA | 3-1/2' x 1-3/4' Deep Tree Pit | 448.89 | |
| 32 93 83 00-0087 | EA | 3-1/2' x 3-1/2' Deep Tree Pit | 672.33 | |
| 32 93 83 00-0088 | EA | 4' x 2' Deep Tree Pit | 536.20 | |
| 32 93 83 00-0089 | EA | 4' x 4' Deep Tree Pit | 803.83 | |
| 32 93 83 00-0090 | EA | 4-1/2' x 2' Deep Tree Pit | 770.34 | |
| 32 93 83 00-0091 | EA | 4-1/2' x 4' Deep Tree Pit | 1,157.98 | |
| 32 93 83 00-0092 | EA | 5' x 2-1/4' Deep Tree Pit | 1,024.69 | |
| 32 93 83 00-0093 | EA | 5' x 4-1/2' Deep Tree Pit | 1,525.45 | |
| 32 93 83 00-0094 | EA | 6' x 2-1/2' Deep Tree Pit | 1,453.28 | |
| 32 93 83 00-0095 | EA | 6' x 5' Deep Tree Pit | 2,176.43 | |
| 32 93 83 00-0096 | EA | 7' x 3' Deep Tree Pit | 2,447.28 | |
| 32 93 83 00-0097 | EA | 7' x 6' Deep Tree Pit | 3,692.02 | |
| 32 93 83 00-0098 | EA | 8' x 3-1/4' Deep Tree Pit | 3,361.12 | |
| 32 93 83 00-0099 | EA | 8' x 6-1/2' Deep Tree Pit | 5,039.39 | |

# 32 94 Planting Accessories *(32 90)*

## 32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001 **Landscape Edging** *(32 94 13)*

Note: Includes stakes.

| | | | | |
|---|---|---|---|---|
| 32 94 13 00-0002 | LF | 6" Poly/Vinyl Landscape Edging With Non-Round Top | 6.26 | 1.27 |
| | | *For >2,000 To 5,000 LF, Deduct* | *-0.37* | |
| | | *For >5,000 LF, Deduct* | *-0.74* | |
| 32 94 13 00-0003 | LF | 5" Polyethylene Landscape Edging With Round Top | 3.71 | 1.27 |
| | | *For >2,000 To 5,000 LF, Deduct* | *-0.12* | |
| | | *For >5,000 LF, Deduct* | *-0.23* | |
| 32 94 13 00-0004 | LF | 5-1/2" Polyethylene Landscape Edging With Round Top | 3.77 | 1.27 |
| | | *For >2,000 To 5,000 LF, Deduct* | *-0.12* | |
| | | *For >5,000 LF, Deduct* | *-0.25* | |
| 32 94 13 00-0005 | LF | 5" Polyethylene Landscape Edging With Corrugated Sides And Round Top | 3.81 | 1.27 |
| | | *For >2,000 To 5,000 LF, Deduct* | *-0.13* | |
| | | *For >5,000 LF, Deduct* | *-0.25* | |
| 32 94 13 00-0006 | LF | 1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging | 10.77 | 3.02 |
| | | *For >1,000 LF, Deduct* | *-1.19* | |
| 32 94 13 00-0007 | LF | 1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging | 11.75 | 3.02 |
| | | *For >1,000 LF, Deduct* | *-1.43* | |
| 32 94 13 00-0008 | LF | 1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging | 11.82 | 3.02 |
| | | *For >1,000 LF, Deduct* | *-1.45* | |
| 32 94 13 00-0009 | LF | 3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging | 13.54 | 3.12 |
| | | *For >1,000 LF, Deduct* | *-1.84* | |
| 32 94 13 00-0010 | LF | 3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging | 14.75 | 3.12 |
| | | *For >1,000 LF, Deduct* | *-2.14* | |
| 32 94 13 00-0011 | LF | 3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging | 14.73 | 3.12 |
| | | *For >1,000 LF, Deduct* | *-2.14* | |
| 32 94 13 00-0012 | LF | 1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging | 12.08 | 3.21 |
| | | *For >1,000 LF, Deduct* | *-1.43* | |
| 32 94 13 00-0013 | LF | 1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging | 13.43 | 3.21 |
| | | *For >1,000 LF, Deduct* | *-1.77* | |
| 32 94 13 00-0014 | LF | 1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging | 13.56 | 3.21 |
| | | *For >1,000 LF, Deduct* | *-1.80* | |
| 32 94 13 00-0015 | LF | 3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging | 15.25 | 3.31 |
| | | *For >1,000 LF, Deduct* | *-2.18* | |
| 32 94 13 00-0016 | LF | 3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging | 16.60 | 3.31 |
| | | *For >1,000 LF, Deduct* | *-2.52* | |
| 32 94 13 00-0017 | LF | 3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging | 16.71 | 3.31 |
| | | *For >1,000 LF, Deduct* | *-2.55* | |
| 32 94 13 00-0018 | LF | 1/8" x 4" Powder Coated Steel Landscape Edging | 11.46 | 3.12 |
| | | *For >1,000 LF, Deduct* | *-1.31* | |
| 32 94 13 00-0019 | LF | 3/16" x 4" Powder Coated Steel Landscape Edging | 13.44 | 3.12 |
| | | *For >1,000 LF, Deduct* | *-1.80* | |
| 32 94 13 00-0020 | LF | 1/4" x 5" Powder Coated Steel Landscape Edging | 18.76 | 3.12 |
| | | *For >1,000 LF, Deduct* | *-3.13* | |
| 32 94 13 00-0021 | LF | 1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board) | 8.63 | 3.02 |
| | | *For >1,000 LF, Deduct* | *-0.65* | |
| 32 94 13 00-0022 | LF | 1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board) | 9.81 | 3.02 |
| | | *For >1,000 LF, Deduct* | *-0.95* | |
| 32 94 13 00-0023 | LF | 1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board) | 10.84 | 3.02 |
| | | *For >1,000 LF, Deduct* | *-1.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 94 13 00-0024 | LF | 2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board) | 11.06 | 3.02 |
| | | *For >1,000 LF, Deduct* | *-1.26* | |
| 32 94 13 00-0025 | | Concrete Band, Cast In Place *(32 94 13)* | | |
| | | Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing. | | |
| 32 94 13 00-0026 | LF | 6" x 4" Concrete Band | 18.19 | 9.11 |
| | | Note: Excludes base course. | | |
| | | *For Up To 20, Add* | *10.78* | |
| | | *For >20 To 50, Add* | *6.11* | |
| | | *For >50 To 100, Add* | *2.34* | |
| | | *For >500 To 1,000, Deduct* | *-2.34* | |
| | | *For >1,000, Deduct* | *-3.96* | |
| 32 94 13 00-0027 | LF | 6" x 6" Concrete Band | 21.60 | 10.72 |
| | | Note: Excludes base course. | | |
| | | *For Up To 20, Add* | *12.89* | |
| | | *For >20 To 50, Add* | *7.30* | |
| | | *For >50 To 100, Add* | *2.79* | |
| | | *For >500 To 1,000, Deduct* | *-2.79* | |
| | | *For >1,000, Deduct* | *-4.73* | |
| 32 94 13 00-0028 | LF | 8" x 6" Concrete Band | 24.85 | 123.24 |
| | | Note: Excludes base course. | | |
| | | *For Up To 20, Add* | *14.89* | |
| | | *For >20 To 50, Add* | *8.43* | |
| | | *For >50 To 100, Add* | *3.23* | |
| | | *For >500 To 1,000, Deduct* | *-3.23* | |
| | | *For >1,000, Deduct* | *-5.46* | |
| 32 94 13 00-0029 | LF | 10" x 6" Concrete Band | 27.53 | 133.95 |
| | | Note: Excludes base course. | | |
| | | *For Up To 20, Add* | *16.49* | |
| | | *For >20 To 50, Add* | *9.34* | |
| | | *For >50 To 100, Add* | *3.57* | |
| | | *For >500 To 1,000, Deduct* | *-3.57* | |
| | | *For >1,000, Deduct* | *-6.05* | |
| 32 94 13 00-0030 | LF | 12" x 6" Concrete Band | 28.63 | 13.93 |
| | | Note: Excludes base course. | | |
| | | *For Up To 20, Add* | *16.98* | |
| | | *For >20 To 50, Add* | *9.61* | |
| | | *For >50 To 100, Add* | *3.68* | |
| | | *For >500 To 1,000, Deduct* | *-3.68* | |
| | | *For >1,000, Deduct* | *-6.24* | |
| **32 94 16** | | **Landscape Timbers** *(32 94)* | | |
| 32 94 16 00-0001 | LF | 1" x 4" Redwood Edging | 5.40 | 1.78 |
| 32 94 16 00-0002 | LF | 2" x 4" Redwood Edging | 7.41 | 2.68 |
| 32 94 16 00-0003 | LF | 4" x 6" Pressure Treated Hardwood | 10.38 | 3.58 |
| 32 94 16 00-0004 | LF | 6" x 6" Pressure Treated Hardwood | 13.53 | 4.48 |
| 32 94 16 00-0005 | LF | 6" x 8" Pressure Treated Hardwood | 15.78 | 5.26 |
| 32 94 16 00-0006 | LF | 1" x 4" Pressure Treated Pine | 4.12 | 1.78 |
| 32 94 16 00-0007 | LF | 2" x 4" Pressure Treated Pine | 6.25 | 2.68 |
| 32 94 16 00-0008 | LF | 4" x 6" Pressure Treated Pine | 9.87 | 3.46 |
| 32 94 16 00-0009 | LF | 6" x 6" Pressure Treated Pine | 13.42 | 4.48 |
| 32 94 16 00-0010 | LF | 6" x 8" Pressure Treated Pine | 16.42 | 5.26 |
| 32 94 16 00-0011 | LF | 6" x 8" Railroad Ties | 15.23 | 4.89 |
| 32 94 16 00-0012 | LF | 7" x 9" Railroad Ties | 18.33 | 6.14 |
| **32 94 23** | | **Plant Protection** *(32 94)* | | |
| 32 94 23 00-0001 | SF | Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge | 2.78 | |
| **32 94 43** | | **Tree Grates** *(32 94)* | | |
| 32 94 43 00-0001 | | Tree Grates With Frames *(32 94 43)* | | |
| 32 94 43 00-0002 | | Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)* | | |
| 32 94 43 00-0003 | EA | 32" Diameter, 100 To 150 Lb., Cast Iron Tree Grate With Frame | 1,084.78 | 63.94 |
| | | *For >3 To 9, Deduct* | *-71.77* | |
| | | *For >9, Deduct* | *-148.32* | |
| 32 94 43 00-0004 | EA | 36" Diameter, 125 To 175 Lb., Cast Iron Tree Grate With Frame | 1,258.75 | 63.94 |
| | | *For >3 To 9, Deduct* | *-84.81* | |
| | | *For >9, Deduct* | *-175.28* | |
| 32 94 43 00-0005 | EA | 42" Diameter, 150 To 200 Lb., Cast Iron Tree Grate With Frame | 1,518.85 | 85.26 |
| | | *For >3 To 9, Deduct* | *-101.12* | |
| | | *For >9, Deduct* | *-208.99* | |
| 32 94 43 00-0006 | EA | 48" Diameter, 200 To 250 Lb., Cast Iron Tree Grate With Frame | 1,897.51 | 85.26 |
| | | *For >3 To 9, Deduct* | *-129.52* | |
| | | *For >9, Deduct* | *-267.68* | |
| 32 94 43 00-0007 | EA | 54" Diameter, 300 To 350 Lb., Cast Iron Tree Grate With Frame | 2,433.93 | 106.58 |
| | | *For >3 To 9, Deduct* | *-166.56* | |
| | | *For >9, Deduct* | *-344.22* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 94 43 00-0008 | EA | 60" Diameter, Up To 350 Lb., Cast Iron Tree Grate With Frame | 2,548.19 | 127.89 |
| | | *For >3 To 9, Deduct* | *-171.93* | |
| | | *For >9, Deduct* | *-355.33* | |
| 32 94 43 00-0009 | EA | 60" Diameter, >350 Lb., Cast Iron Tree Grate With Frame | 2,811.71 | 127.89 |
| | | *For >3 To 9, Deduct* | *-191.70* | |
| | | *For >9, Deduct* | *-396.17* | |
| 32 94 43 00-0010 | EA | 72" Diameter, Up To 550 Lb., Cast Iron Tree Grate With Frame | 3,739.57 | 181.18 |
| | | *For >3 To 9, Deduct* | *-253.29* | |
| | | *For >9, Deduct* | *-523.47* | |
| 32 94 43 00-0011 | EA | 72" Diameter, >500 To 550 Lb., Cast Iron Tree Grate With Frame | 3,893.08 | 181.18 |
| | | *For >3 To 9, Deduct* | *-264.80* | |
| | | *For >9, Deduct* | *-547.26* | |
| 32 94 43 00-0012 | EA | 72" Diameter, >600 To 650 Lb., Cast Iron Tree Grate With Frame | 4,021.01 | 181.18 |
| | | *For >3 To 9, Deduct* | *-274.40* | |
| | | *For >9, Deduct* | *-567.09* | |
| 32 94 43 00-0013 | EA | 72" Diameter, >650 To 700 Lb., Cast Iron Tree Grate With Frame | 4,123.35 | 181.18 |
| | | *For >3 To 9, Deduct* | *-282.08* | |
| | | *For >9, Deduct* | *-582.96* | |
| 32 94 43 00-0014 | EA | 72" Diameter, >700 Lb., Cast Iron Tree Grate With Frame | 4,200.10 | 181.18 |
| | | *For >3 To 9, Deduct* | *-287.83* | |
| | | *For >9, Deduct* | *-594.85* | |
| 32 94 43 00-0015 | EA | 93" Diameter, 950 To 1,000 Lb., Cast Iron Tree Grate With Frame | 4,601.77 | 213.15 |
| | | *For >3 To 9, Deduct* | *-313.16* | |
| | | *For >9, Deduct* | *-647.20* | |

## 32 94 43 00-0016 Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 94 43 00-0017 | EA | 30" x 30", 75 To 125 Lb., Cast Iron Tree Grate With Frame | 997.78 | 63.94 |
| | | *For >3 To 9, Deduct* | *-65.24* | |
| | | *For >9, Deduct* | *-134.83* | |
| 32 94 43 00-0018 | EA | 36" x 36", 100 To 150 Lb., Cast Iron Tree Grate With Frame | 1,215.25 | 63.94 |
| | | *For >3 To 9, Deduct* | *-81.55* | |
| | | *For >9, Deduct* | *-168.54* | |
| 32 94 43 00-0019 | EA | 48" x 48", Up To 200 Lb., Cast Iron Tree Grate With Frame | 1,799.42 | 106.58 |
| | | *For >3 To 9, Deduct* | *-118.97* | |
| | | *For >9, Deduct* | *-245.87* | |
| 32 94 43 00-0020 | EA | 48" x 48", >200 To 250 Lb., Cast Iron Tree Grate With Frame | 2,132.03 | 106.58 |
| | | *For >3 To 9, Deduct* | *-143.92* | |
| | | *For >9, Deduct* | *-297.43* | |
| 32 94 43 00-0021 | EA | 48" x 48", >250 To 300 Lb., Cast Iron Tree Grate With Frame | 2,439.05 | 106.58 |
| | | *For >3 To 9, Deduct* | *-166.94* | |
| | | *For >9, Deduct* | *-345.01* | |
| 32 94 43 00-0022 | EA | 48" x 48", >300 To 350 Lb., Cast Iron Tree Grate With Frame | 2,720.48 | 106.58 |
| | | *For >3 To 9, Deduct* | *-188.05* | |
| | | *For >9, Deduct* | *-388.64* | |
| 32 94 43 00-0023 | EA | 48" x 48", >350 To 400 Lb., Cast Iron Tree Grate With Frame | 2,976.33 | 106.58 |
| | | *For >3 To 9, Deduct* | *-207.24* | |
| | | *For >9, Deduct* | *-428.29* | |
| 32 94 43 00-0024 | EA | 48" x 48", >400 Lb., Cast Iron Tree Grate With Frame | 3,206.59 | 106.58 |
| | | *For >3 To 9, Deduct* | *-224.51* | |
| | | *For >9, Deduct* | *-463.98* | |
| 32 94 43 00-0025 | EA | 60" x 60", Up To 400 Lb., Cast Iron Tree Grate With Frame | 3,061.59 | 149.21 |
| | | *For >3 To 9, Deduct* | *-207.24* | |
| | | *For >9, Deduct* | *-428.29* | |
| 32 94 43 00-0026 | EA | 60" x 60", >400 To 450 Lb., Cast Iron Tree Grate With Frame | 3,291.85 | 149.21 |
| | | *For >3 To 9, Deduct* | *-224.51* | |
| | | *For >9, Deduct* | *-463.98* | |
| 32 94 43 00-0027 | EA | 60" x 60", >450 To 500 Lb., Cast Iron Tree Grate With Frame | 3,496.53 | 149.21 |
| | | *For >3 To 9, Deduct* | *-239.86* | |
| | | *For >9, Deduct* | *-495.71* | |
| 32 94 43 00-0028 | EA | 60" x 60", >500 To 550 Lb., Cast Iron Tree Grate With Frame | 3,675.63 | 149.21 |
| | | *For >3 To 9, Deduct* | *-253.29* | |
| | | *For >9, Deduct* | *-523.47* | |
| 32 94 43 00-0029 | EA | 60" x 60", >550 To 600 Lb., Cast Iron Tree Grate With Frame | 3,829.14 | 149.21 |
| | | *For >3 To 9, Deduct* | *-264.80* | |
| | | *For >9, Deduct* | *-547.26* | |
| 32 94 43 00-0030 | EA | 60" x 60", >600 Lb., Cast Iron Tree Grate With Frame | 3,957.07 | 149.21 |
| | | *For >3 To 9, Deduct* | *-274.40* | |
| | | *For >9, Deduct* | *-567.09* | |
| 32 94 43 00-0031 | EA | 72" x 72", Up To 550 Lb., Cast Iron Tree Grate With Frame | 3,739.57 | 181.18 |
| | | *For >3 To 9, Deduct* | *-253.29* | |
| | | *For >9, Deduct* | *-523.47* | |
| 32 94 43 00-0032 | EA | 72" x 72", >550 To 600 Lb., Cast Iron Tree Grate With Frame | 3,893.08 | 181.18 |
| | | *For >3 To 9, Deduct* | *-264.80* | |
| | | *For >9, Deduct* | *-547.26* | |
| 32 94 43 00-0033 | EA | 72" x 72", >600 To 650 Lb., Cast Iron Tree Grate With Frame | 4,021.01 | 181.18 |
| | | *For >3 To 9, Deduct* | *-274.40* | |
| | | *For >9, Deduct* | *-567.09* | |
| 32 94 43 00-0034 | EA | 72" x 72", >650 To 700 Lb., Cast Iron Tree Grate With Frame | 4,123.35 | 181.18 |
| | | *For >3 To 9, Deduct* | *-282.08* | |
| | | *For >9, Deduct* | *-582.96* | |
| 32 94 43 00-0035 | EA | 72" x 72", >700 To 750 Lb., Cast Iron Tree Grate With Frame | 4,200.10 | 181.18 |
| | | *For >3 To 9, Deduct* | *-287.83* | |
| | | *For >9, Deduct* | *-594.85* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 94 43 00-0036 | EA | 72" x 72", >750 To 800 Lb., Cast Iron Tree Grate With Frame | 4,251.27 | 181.18 |
| | | *For >3 To 9, Deduct* | *-291.67* | |
| | | *For >9, Deduct* | *-602.78* | |
| 32 94 43 00-0037 | EA | 72" x 72", >800 To 850 Lb., Cast Iron Tree Grate With Frame | 4,276.85 | 181.18 |
| | | *For >3 To 9, Deduct* | *-293.59* | |
| | | *For >9, Deduct* | *-606.75* | |
| 32 94 43 00-0038 | EA | 72" x 72", >850 Lb., Cast Iron Tree Grate With Frame | 4,302.44 | 181.18 |
| | | *For >3 To 9, Deduct* | *-295.51* | |
| | | *For >9, Deduct* | *-610.71* | |

### 32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

| | | | | |
|---|---|---|---|---|
| 32 94 43 00-0040 | EA | 36" x 48", 200 To 250 Lb., Cast Iron Tree Grate With Frame | 1,897.51 | 85.26 |
| | | *For >3 To 9, Deduct* | *-129.52* | |
| | | *For >9, Deduct* | *-267.68* | |
| 32 94 43 00-0041 | EA | 36" x 60", 200 To 250 Lb., Cast Iron Tree Grate With Frame | 1,935.88 | 85.26 |
| | | *For >3 To 9, Deduct* | *-132.40* | |
| | | *For >9, Deduct* | *-273.63* | |
| 32 94 43 00-0042 | EA | 36" x 72", 275 To 325 Lb., Cast Iron Tree Grate With Frame | 2,364.85 | 106.58 |
| | | *For >3 To 9, Deduct* | *-161.38* | |
| | | *For >9, Deduct* | *-333.51* | |
| 32 94 43 00-0043 | EA | 48" x 72", Up To 350 Lb., Cast Iron Tree Grate With Frame | 2,792.12 | 106.58 |
| | | *For >3 To 9, Deduct* | *-193.42* | |
| | | *For >9, Deduct* | *-399.74* | |
| 32 94 43 00-0044 | EA | 48" x 72", >350 Lb., Cast Iron Tree Grate With Frame | 2,976.33 | 106.58 |
| | | *For >3 To 9, Deduct* | *-207.24* | |
| | | *For >9, Deduct* | *-428.29* | |
| 32 94 43 00-0045 | EA | 60" x 84", 700 To 750 Lb., Cast Iron Tree Grate With Frame | 3,969.83 | 181.18 |
| | | *For >3 To 9, Deduct* | *-270.56* | |
| | | *For >9, Deduct* | *-559.16* | |

## 32 94 46 Tree Grids *(32 94)*

### 32 94 46 00-0001 Tree Wells *(32 94 46)*

| | | | | |
|---|---|---|---|---|
| 32 94 46 00-0002 | EA | Type 1, Case 1 Tree Well, 4'-1" x 4'-1" x 3" Permeable Concrete Cover<br>Note: Includes saw cutting, concrete removal, excavation, 3" permeable concrete tree well cover, premolded joint filler, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water. | 985.55 | 106.58 |
| 32 94 46 00-0003 | EA | Type 1, Case 2 Tree Well, 2'-11" x 5'-6" x 3" Permeable Concrete Cover<br>Note: Includes saw cutting, concrete removal, excavation, 3" permeable concrete tree well cover, premolded joint filler, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water. | 959.36 | 85.26 |
| 32 94 46 00-0004 | EA | Type 2, Case 1 Tree Well, 4'-1" x 4'-1" x 3" "Manhole" Brick Cover<br>Note: Includes saw cutting, concrete removal, excavation, manhole brick tree well cover, premolded joint filler, redwood header, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water. | 1,176.47 | 106.58 |
| 32 94 46 00-0005 | EA | Type 2, Case 2 Tree Well, 2'-11" x 5'-6" x 3" "Manhole" Brick Cover<br>Note: Includes saw cutting, concrete removal, excavation, manhole brick tree well cover, premolded joint filler, redwood header, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water. | 1,147.29 | 85.26 |
| 32 94 46 00-0006 | EA | Type 3, Case 1 Tree Well, 4'-1" x 4'-1" x 3" Hollow Concrete Block Cover<br>Note: Includes saw cutting, concrete removal, excavation, hollow concrete block tree well cover, premolded joint filler, redwood header, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water. | 1,074.44 | 106.58 |
| 32 94 46 00-0007 | EA | Type 3, Tree Well, 3' x 18" Precast Permeable Concrete<br>Note: Includes saw cutting, concrete removal, and precast permeable concrete tree well cover. Excludes excavation, tree, soil, tree planting, and water. | 214.67 | |
| 32 94 46 00-0008 | EA | Type 3, Tree Well, 4' x 24" Precast Permeable Concrete<br>Note: Includes saw cutting, concrete removal, and precast permeable concrete tree well cover. Excludes excavation, tree, soil, tree planting, and water. | 325.35 | |
| 32 94 46 00-0009 | EA | Type 3, Tree Well, 3' x 3' Precast Permeable Concrete<br>Note: Includes saw cutting, concrete removal, and precast permeable concrete tree well cover. Excludes excavation, tree, soil, tree planting, and water. | 400.12 | |
| 32 94 46 00-0010 | EA | Type 3, Tree Well, 4' x 4' Precast Permeable Concrete<br>Note: Includes saw cutting, concrete removal, and precast permeable concrete tree well cover. Excludes excavation, tree, soil, tree planting, and water. | 605.41 | |
| 32 94 46 00-0011 | EA | Type 4 Tree Well, 5' x 5' Cast Iron Grate With Frame<br>Note: Includes saw cutting, concrete removal, excavation, cast iron grate with frame, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water. | 4,285.69 | |

## 32 94 49 Plant and Tree Accessories *(32 94)*

### 32 94 49 00-0001 Tree Guying *(32 94 49)*

### 32 94 49 00-0002 Tree Guying, Stakes *(32 94 49 00-0001)*

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

| | | | |
|---|---|---|---|
| 32 94 49 00-0003 | EA | Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap | 26.27 |
| 32 94 49 00-0004 | EA | Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap | 47.44 |
| 32 94 49 00-0005 | EA | Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap | 81.53 |

### 32 94 49 00-0006 Tree Guying, Anchors *(32 94 49 00-0001)*

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

| | | | |
|---|---|---|---|
| 32 94 49 00-0007 | EA | Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope | 109.25 |
| 32 94 49 00-0008 | EA | Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope | 147.24 |
| 32 94 49 00-0009 | EA | Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope | 187.92 |
| 32 94 49 00-0010 | EA | Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope | 243.77 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 32 94 49 00-0011 Tree Wrap *(32 94 49)*

| | | | |
|---|---|---|---|
| 32 94 49 00-0012 | EA | Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree | 7.54 |
| 32 94 49 00-0013 | EA | Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree | 12.55 |
| 32 94 49 00-0014 | EA | Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree | 24.89 |
| 32 94 49 00-0015 | EA | Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree | 38.56 |

### 32 94 49 00-0016 Tree Guards *(32 94 49)*

| | | | |
|---|---|---|---|
| 32 94 49 00-0017 | EA | 3' Preformed Plastic Tree Guard | 12.86 |
| 32 94 49 00-0018 | EA | 2' Preformed Plastic Tree Guard | 11.72 |

### 32 94 49 00-0019 Stake Out Tree And Shrub Locations *(32 94 49)*

Note: When no design available.

| | | | |
|---|---|---|---|
| 32 94 49 00-0020 | EA | Stake Out Trees Or Shrubs | 7.88 |

### 32 94 49 00-0021 Root Barriers *(32 94 49)*

| | | | |
|---|---|---|---|
| 32 94 49 00-0022 | EA | 12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner | 13.29 |
| 32 94 49 00-0023 | EA | 18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner | 18.83 |
| 32 94 49 00-0024 | EA | 24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner | 22.25 |
| 32 94 49 00-0025 | EA | 36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner | 41.71 |
| 32 94 49 00-0026 | EA | 48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner | 57.64 |

### 32 94 49 00-0027 Silva Cells *(32 94 49)*

Note: Excludes excavation, earthwork, crushed aggregate base, backfill, compaction, planting soil, tree and mulch. See CSI section 31 23 16 36-0001 for excavation, 31 23 16 36-0016 for backfill, 31 23 16 36-0020 for compaction, 32 11 16 16-0000 for crushed aggregate base, 32 91 13 16-0001 for mulch, 32 91 19 13-0010 for planting soil.

| | | | |
|---|---|---|---|
| 32 94 49 00-0028 | EA | 48" x 24" x 30.9" High Silva Cell 2 - 2x System (DeepRoot SC2-2X)<br>Note: Includes one SC2 base, one SC2 deck and six 2X posts. | 402.73 |
| 32 94 49 00-0029 | EA | 10" Long x 19/64" Diameter Galvanized Timber Spikes (DeepRoot SC Spike) | 3.12 |
| 32 94 49 00-0030 | EA | 25" Long Cable/Zip Ties (DeepRoot SC2-Cable ties) | 0.96 |
| 32 94 49 00-0031 | SF | Bi/Uniaxial GeoGrid, Miragrid 2XT/ SG150 (DeepRoot SC2-GG 12-150) | 0.73 |
| 32 94 49 00-0032 | SF | Woven PP Geotextile Fabric (DeepRoot GT-570) | 0.81 |
| 32 94 49 00-0033 | EA | Strong Back, Silva Cell 2 (DeepRoot SC2-SB) | 116.08 |
| 32 94 49 00-0034 | LF | 18" x 2' Universal Tree Root Guide (DeepRoot UB 18-2) | 13.25 |

## 32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

### 32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

### 32 96 33 00-0001 Moving Shrubs On Site, Relocate *(32 96 33)*

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

| | | | |
|---|---|---|---|
| 32 96 33 00-0002 | EA | Up To 18" Root Ball, Move Shrubs On Site | 85.04 |
| | | *For >25 To 50, Deduct* | *-8.50* |
| | | *For >50, Deduct* | *-12.76* |
| 32 96 33 00-0003 | EA | >18" To 24" Root Ball, Move Shrubs On Site | 115.05 |
| | | *For >25 To 50, Deduct* | *-11.51* |
| | | *For >50, Deduct* | *-17.26* |
| 32 96 33 00-0004 | EA | >24" To 30" Root Ball, Move Shrubs On Site | 195.07 |
| | | *For >25 To 50, Deduct* | *-19.51* |
| | | *For >50, Deduct* | *-29.26* |
| 32 96 33 00-0005 | EA | >30" To 36" Root Ball, Move Shrubs On Site | 300.12 |
| | | *For >25 To 50, Deduct* | *-30.01* |
| | | *For >50, Deduct* | *-45.02* |

### 32 96 43 Tree Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

### 32 96 43 00-0001 Moving Trees On Site, Relocate *(32 96 43)*

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0969 for crane lifting equipment, 32 94 49 00-0001 for guying.

| | | | |
|---|---|---|---|
| 32 96 43 00-0002 | EA | Up To 24" Root Ball, Move Trees On Site | 317.92 |
| | | *For >5 To 10, Deduct* | *-15.90* |
| | | *For >10 To 20, Deduct* | *-31.79* |
| | | *For >20, Deduct* | *-47.69* |
| 32 96 43 00-0003 | EA | >24" To 30" Root Ball, Move Trees On Site | 436.01 |
| | | *For >5 To 10, Deduct* | *-21.80* |
| | | *For >10 To 20, Deduct* | *-43.60* |
| | | *For >20, Deduct* | *-65.40* |
| 32 96 43 00-0004 | EA | >30" To 36" Root Ball, Move Trees On Site | 706.49 |
| | | *For >5 To 10, Deduct* | *-35.32* |
| | | *For >10 To 20, Deduct* | *-70.65* |
| | | *For >20, Deduct* | *-105.97* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 32 96 43 00-0005 | EA | >36" To 48" Root Ball, Move Trees On Site | 1,173.87 | |
| | | *For >5 To 10, Deduct* | *-58.69* | |
| | | *For >10 To 20, Deduct* | *-117.39* | |
| | | *For >20, Deduct* | *-176.08* | |
| 32 96 43 00-0006 | EA | >48" To 60" Root Ball, Move Trees On Site | 1,907.53 | |
| | | *For >5 To 10, Deduct* | *-95.38* | |
| | | *For >10 To 20, Deduct* | *-190.75* | |
| | | *For >20, Deduct* | *-286.13* | |
| 32 96 43 00-0007 | EA | >60" To 72" Root Ball, Move Trees On Site | 2,461.34 | |
| | | *For >5 To 10, Deduct* | *-123.07* | |
| | | *For >10 To 20, Deduct* | *-246.13* | |
| | | *For >20, Deduct* | *-369.20* | |
| 32 96 43 00-0008 | EA | >72" To 84" Root Ball, Move Trees On Site | 3,179.22 | |
| | | *For >5 To 10, Deduct* | *-158.96* | |
| | | *For >10 To 20, Deduct* | *-317.92* | |
| | | *For >20, Deduct* | *-476.88* | |
| 32 96 43 00-0009 | EA | >84" To 96" Root Ball, Move Trees On Site | 3,815.06 | |
| | | *For >5 To 10, Deduct* | *-190.75* | |
| | | *For >10 To 20, Deduct* | *-381.51* | |
| | | *For >20, Deduct* | *-572.26* | |
| 32 96 43 00-0010 | EA | >96" To 120" Root Ball, Move Trees On Site | 4,335.30 | |
| | | *For >5 To 10, Deduct* | *-216.77* | |
| | | *For >10 To 20, Deduct* | *-433.53* | |
| | | *For >20, Deduct* | *-650.30* | |

**END OF SECTION 32**

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| CSI | UOM | DESCRIPTION | MINOR TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

## 33 01 Operation and Maintenance of Utilities *(33)*

### 33 01 10 Operation and Maintenance of Water Utilities *(33 01)*

#### 33 01 10 54 Cleaning of Water Utility Piping *(33 01 10)*

See CSI section 33 01 30 41-0012 for cleaning of water lines.

#### 33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*

Note: Gas chlorination. Continuous or plug method.

| | | | |
|---|---|---|---|
| 33 01 10 58-0002 | EA | Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method | 1,123.36 |
| 33 01 10 58-0003 | EA | Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method | 561.68 |
| 33 01 10 58-0004 | LF | Up To 4" Diameter Pipe Water Main Disinfection/Sterilization | 0.42 |
| | | *For >250 To 500, Deduct* | *-0.02* |
| | | *For >500 To 1,000, Deduct* | *-0.04* |
| | | *For >1,000 To 2,000, Deduct* | *-0.06* |
| | | *For >2,000 To 5,000, Deduct* | *-0.08* |
| | | *For >5,000, Deduct* | *-0.11* |
| 33 01 10 58-0005 | LF | 6" Diameter Pipe Water Main Disinfection/Sterilization | 0.65 |
| | | *For >250 To 500, Deduct* | *-0.03* |
| | | *For >500 To 1,000, Deduct* | *-0.07* |
| | | *For >1,000 To 2,000, Deduct* | *-0.10* |
| | | *For >2,000 To 5,000, Deduct* | *-0.13* |
| | | *For >5,000, Deduct* | *-0.16* |
| 33 01 10 58-0006 | LF | 8" Diameter Pipe Water Main Disinfection/Sterilization | 0.85 |
| | | *For >250 To 500, Deduct* | *-0.04* |
| | | *For >500 To 1,000, Deduct* | *-0.09* |
| | | *For >1,000 To 2,000, Deduct* | *-0.13* |
| | | *For >2,000 To 5,000, Deduct* | *-0.17* |
| | | *For >5,000, Deduct* | *-0.21* |
| 33 01 10 58-0007 | LF | 10" Diameter Pipe Water Main Disinfection/Sterilization | 0.99 |
| | | *For >250 To 500, Deduct* | *-0.05* |
| | | *For >500 To 1,000, Deduct* | *-0.10* |
| | | *For >1,000 To 2,000, Deduct* | *-0.15* |
| | | *For >2,000 To 5,000, Deduct* | *-0.20* |
| | | *For >5,000, Deduct* | *-0.25* |
| 33 01 10 58-0008 | LF | 12" Diameter Pipe Water Main Disinfection/Sterilization | 1.29 |
| | | *For >250 To 500, Deduct* | *-0.06* |
| | | *For >500 To 1,000, Deduct* | *-0.13* |
| | | *For >1,000 To 2,000, Deduct* | *-0.19* |
| | | *For >2,000 To 5,000, Deduct* | *-0.26* |
| | | *For >5,000, Deduct* | *-0.32* |
| 33 01 10 58-0009 | LF | >12" To 16" Diameter Pipe Water Main Disinfection/Sterilization | 1.47 |
| | | *For >250 To 500, Deduct* | *-0.07* |
| | | *For >500 To 1,000, Deduct* | *-0.15* |
| | | *For >1,000 To 2,000, Deduct* | *-0.22* |
| | | *For >2,000 To 5,000, Deduct* | *-0.29* |
| | | *For >5,000, Deduct* | *-0.37* |
| 33 01 10 58-0010 | LF | >16" To 24" Diameter Pipe Water Main Disinfection/Sterilization | 1.68 |
| | | *For >250 To 500, Deduct* | *-0.08* |
| | | *For >500 To 1,000, Deduct* | *-0.17* |
| | | *For >1,000 To 2,000, Deduct* | *-0.25* |
| | | *For >2,000 To 5,000, Deduct* | *-0.34* |
| | | *For >5,000, Deduct* | *-0.42* |
| 33 01 10 58-0011 | LF | >24" To 30" Diameter Pipe Water Main Disinfection/Sterilization | 1.98 |
| | | *For >250 To 500, Deduct* | *-0.10* |
| | | *For >500 To 1,000, Deduct* | *-0.20* |
| | | *For >1,000 To 2,000, Deduct* | *-0.30* |
| | | *For >2,000 To 5,000, Deduct* | *-0.40* |
| | | *For >5,000, Deduct* | *-0.50* |
| 33 01 10 58-0012 | LF | >30" To 42" Diameter Pipe Water Main Disinfection/Sterilization | 2.55 |
| | | *For >250 To 500, Deduct* | *-0.13* |
| | | *For >500 To 1,000, Deduct* | *-0.26* |
| | | *For >1,000 To 2,000, Deduct* | *-0.38* |
| | | *For >2,000 To 5,000, Deduct* | *-0.51* |
| | | *For >5,000, Deduct* | *-0.64* |
| 33 01 10 58-0013 | LF | >42" To 60" Diameter Pipe Water Main Disinfection/Sterilization | 3.75 |
| | | *For >250 To 500, Deduct* | *-0.19* |
| | | *For >500 To 1,000, Deduct* | *-0.38* |
| | | *For >1,000 To 2,000, Deduct* | *-0.56* |
| | | *For >2,000 To 5,000, Deduct* | *-0.75* |
| | | *For >5,000, Deduct* | *-0.94* |
| 33 01 10 58-0014 | LF | >60" Diameter Pipe Water Main Disinfection/Sterilization | 5.18 |
| | | *For >250 To 500, Deduct* | *-0.26* |
| | | *For >500 To 1,000, Deduct* | *-0.52* |
| | | *For >1,000 To 2,000, Deduct* | *-0.78* |
| | | *For >2,000 To 5,000, Deduct* | *-1.04* |
| | | *For >5,000, Deduct* | *-1.30* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 33 01 10 71 Relining Water Utilities Pipelines *(33 01 10)*

See CSI section 33 01 30 71-0000 for relining water pipelines.

### 33 01 10 71-0001 Relining Underground Water Pipelines *(33 01 10 71)*

Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hour response for owners' backups.

### 33 01 10 71-0002 Relining Underground Water Pipelines Set-Up And Reinsertion *(33 01 10 71-0001)*

| | | | |
|---|---|---|---|
| 33 01 10 71-0003 | EA | Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines | 5,425.46 |
| 33 01 10 71-0004 | EA | Move And Reset Up At Different Access/Location | 2,170.19 |

### 33 01 10 71-0005 Lining Pipe With Cement *(33 01 10 71-0001)*

| | | | |
|---|---|---|---|
| 33 01 10 71-0006 | LF | Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement | 65.25 |
| | | *For 3/16" Thickness, Add* | *1.31* |
| | | *For 1/4" Thickness, Add* | *2.62* |
| 33 01 10 71-0007 | LF | >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement | 58.18 |
| | | *For 3/16" Thickness, Add* | *1.31* |
| | | *For 1/4" Thickness, Add* | *2.62* |
| 33 01 10 71-0008 | LF | >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement | 48.70 |
| | | *For 3/16" Thickness, Add* | *1.31* |
| | | *For 1/4" Thickness, Add* | *2.62* |
| 33 01 10 71-0009 | LF | >5,000', 4" Pipe, 1/8" Pipe Lining With Cement | 36.80 |
| | | *For 3/16" Thickness, Add* | *1.31* |
| | | *For 1/4" Thickness, Add* | *2.62* |
| 33 01 10 71-0010 | LF | Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement | 68.18 |
| | | *For 3/16" Thickness, Add* | *1.96* |
| | | *For 1/4" Thickness, Add* | *3.92* |
| 33 01 10 71-0011 | LF | >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement | 60.83 |
| | | *For 3/16" Thickness, Add* | *1.96* |
| | | *For 1/4" Thickness, Add* | *3.92* |
| 33 01 10 71-0012 | LF | >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement | 51.03 |
| | | *For 3/16" Thickness, Add* | *1.96* |
| | | *For 1/4" Thickness, Add* | *3.92* |
| 33 01 10 71-0013 | LF | >5,000', 6" Pipe, 1/8" Pipe Lining With Cement | 38.97 |
| | | *For 3/16" Thickness, Add* | *1.96* |
| | | *For 1/4" Thickness, Add* | *3.92* |
| 33 01 10 71-0014 | LF | Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement | 71.00 |
| | | *For 3/16" Thickness, Add* | *2.61* |
| | | *For 1/4" Thickness, Add* | *5.22* |
| 33 01 10 71-0015 | LF | >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement | 63.49 |
| | | *For 3/16" Thickness, Add* | *2.61* |
| | | *For 1/4" Thickness, Add* | *5.22* |
| 33 01 10 71-0016 | LF | >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement | 53.36 |
| | | *For 3/16" Thickness, Add* | *2.61* |
| | | *For 1/4" Thickness, Add* | *5.22* |
| 33 01 10 71-0017 | LF | >5,000', 8" Pipe, 1/8" Pipe Lining With Cement | 41.13 |
| | | *For 3/16" Thickness, Add* | *2.61* |
| | | *For 1/4" Thickness, Add* | *5.22* |
| 33 01 10 71-0018 | LF | Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement | 73.24 |
| | | *For 3/16" Thickness, Add* | *3.28* |
| | | *For 1/4" Thickness, Add* | *6.55* |
| 33 01 10 71-0019 | LF | >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement | 65.62 |
| | | *For 3/16" Thickness, Add* | *3.28* |
| | | *For 1/4" Thickness, Add* | *6.55* |
| 33 01 10 71-0020 | LF | >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement | 55.33 |
| | | *For 3/16" Thickness, Add* | *3.28* |
| | | *For 1/4" Thickness, Add* | *6.55* |
| 33 01 10 71-0021 | LF | >5,000', 10" Pipe, 1/8" Pipe Lining With Cement | 43.33 |
| | | *For 3/16" Thickness, Add* | *3.28* |
| | | *For 1/4" Thickness, Add* | *6.55* |
| 33 01 10 71-0022 | LF | Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement | 79.36 |
| | | *For 3/16" Thickness, Add* | *3.93* |
| | | *For 1/4" Thickness, Add* | *7.85* |
| 33 01 10 71-0023 | LF | >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement | 71.25 |
| | | *For 3/16" Thickness, Add* | *3.93* |
| | | *For 1/4" Thickness, Add* | *7.85* |
| 33 01 10 71-0024 | LF | >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement | 60.31 |
| | | *For 3/16" Thickness, Add* | *3.93* |
| | | *For 1/4" Thickness, Add* | *7.85* |
| 33 01 10 71-0025 | LF | >5,000', 12" Pipe, 1/8" Pipe Lining With Cement | 47.33 |
| | | *For 3/16" Thickness, Add* | *3.93* |
| | | *For 1/4" Thickness, Add* | *7.85* |
| 33 01 10 71-0026 | LF | Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement | 86.77 |
| | | *For 1/4" Thickness, Add* | *4.37* |
| | | *For 5/16" Thickness, Add* | *8.73* |
| 33 01 10 71-0027 | LF | >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement | 78.36 |
| | | *For 1/4" Thickness, Add* | *4.37* |
| | | *For 5/16" Thickness, Add* | *8.73* |
| 33 01 10 71-0028 | LF | >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement | 66.98 |
| | | *For 1/4" Thickness, Add* | *4.37* |
| | | *For 5/16" Thickness, Add* | *8.73* |
| 33 01 10 71-0029 | LF | >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement | 54.53 |
| | | *For 1/4" Thickness, Add* | *4.37* |
| | | *For 5/16" Thickness, Add* | *8.73* |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 10 71-0030 | LF | Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement | 91.52 | |
| | | *For 1/4" Thickness, Add* | *5.23* | |
| | | *For 5/16" Thickness, Add* | *10.46* | |
| 33 01 10 71-0031 | LF | >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement | 82.86 | |
| | | *For 1/4" Thickness, Add* | *5.23* | |
| | | *For 5/16" Thickness, Add* | *10.46* | |
| 33 01 10 71-0032 | LF | >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement | 71.07 | |
| | | *For 1/4" Thickness, Add* | *5.23* | |
| | | *For 5/16" Thickness, Add* | *10.46* | |
| 33 01 10 71-0033 | LF | >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement | 59.29 | |
| | | *For 1/4" Thickness, Add* | *5.23* | |
| | | *For 5/16" Thickness, Add* | *10.46* | |
| 33 01 10 71-0034 | LF | Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement | 97.30 | |
| | | *For 1/4" Thickness, Add* | *6.11* | |
| | | *For 5/16" Thickness, Add* | *12.21* | |
| 33 01 10 71-0035 | LF | >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement | 88.33 | |
| | | *For 1/4" Thickness, Add* | *6.11* | |
| | | *For 5/16" Thickness, Add* | *12.21* | |
| 33 01 10 71-0036 | LF | >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement | 75.98 | |
| | | *For 1/4" Thickness, Add* | *6.11* | |
| | | *For 5/16" Thickness, Add* | *12.21* | |
| 33 01 10 71-0037 | LF | >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement | 64.95 | |
| | | *For 1/4" Thickness, Add* | *6.11* | |
| | | *For 5/16" Thickness, Add* | *12.21* | |
| 33 01 10 71-0038 | LF | Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement | 103.15 | |
| | | *For 1/4" Thickness, Add* | *6.98* | |
| | | *For 5/16" Thickness, Add* | *13.96* | |
| 33 01 10 71-0039 | LF | >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement | 93.82 | |
| | | *For 1/4" Thickness, Add* | *6.98* | |
| | | *For 5/16" Thickness, Add* | *13.96* | |
| 33 01 10 71-0040 | LF | >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement | 81.09 | |
| | | *For 1/4" Thickness, Add* | *6.98* | |
| | | *For 5/16" Thickness, Add* | *13.96* | |
| 33 01 10 71-0041 | LF | >5,000', 24" Pipe, 3/16" Pipe Lining With Cement | 70.81 | |
| | | *For 1/4" Thickness, Add* | *6.98* | |
| | | *For 5/16" Thickness, Add* | *13.96* | |
| 33 01 10 71-0042 | LF | Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement | 111.52 | |
| | | *For 1/4" Thickness, Add* | *8.72* | |
| | | *For 5/16" Thickness, Add* | *17.45* | |
| 33 01 10 71-0043 | LF | >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement | 101.65 | |
| | | *For 1/4" Thickness, Add* | *8.72* | |
| | | *For 5/16" Thickness, Add* | *17.45* | |
| 33 01 10 71-0044 | LF | >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement | 88.15 | |
| | | *For 1/4" Thickness, Add* | *8.72* | |
| | | *For 5/16" Thickness, Add* | *17.45* | |
| 33 01 10 71-0045 | LF | >5,000', 30" Pipe, 3/16" Pipe Lining With Cement | 77.77 | |
| | | *For 1/4" Thickness, Add* | *8.72* | |
| | | *For 5/16" Thickness, Add* | *17.45* | |
| 33 01 10 71-0046 | LF | Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement | 119.79 | |
| | | *For 1/4" Thickness, Add* | *10.47* | |
| | | *For 5/16" Thickness, Add* | *20.94* | |
| 33 01 10 71-0047 | LF | 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement | 109.48 | |
| | | *For 1/4" Thickness, Add* | *10.47* | |
| | | *For 5/16" Thickness, Add* | *20.94* | |
| 33 01 10 71-0048 | LF | >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement | 95.24 | |
| | | *For 1/4" Thickness, Add* | *10.47* | |
| | | *For 5/16" Thickness, Add* | *20.94* | |
| 33 01 10 71-0049 | LF | >5,000', 36" Pipe, 3/16" Pipe Lining With Cement | 84.74 | |
| | | *For 1/4" Thickness, Add* | *10.47* | |
| | | *For 5/16" Thickness, Add* | *20.94* | |
| 33 01 10 71-0050 | LF | Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement | 151.57 | |
| | | *For 3/8" Thickness, Add* | *27.48* | |
| | | *For 7/16" Thickness, Add* | *41.22* | |
| 33 01 10 71-0051 | LF | >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement | 140.33 | |
| | | *For 3/8" Thickness, Add* | *27.48* | |
| | | *For 7/16" Thickness, Add* | *41.22* | |
| 33 01 10 71-0052 | LF | >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement | 124.84 | |
| | | *For 3/8" Thickness, Add* | *27.48* | |
| | | *For 7/16" Thickness, Add* | *41.22* | |
| 33 01 10 71-0053 | LF | >5,000', 42" Pipe, 1/4" Pipe Lining With Cement | 114.02 | |
| | | *For 3/8" Thickness, Add* | *27.48* | |
| | | *For 7/16" Thickness, Add* | *41.22* | |
| 33 01 10 71-0054 | LF | Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement | 167.51 | |
| | | *For 3/8" Thickness, Add* | *31.40* | |
| | | *For 7/16" Thickness, Add* | *47.10* | |
| 33 01 10 71-0055 | LF | >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement | 155.50 | |
| | | *For 3/8" Thickness, Add* | *31.40* | |
| | | *For 7/16" Thickness, Add* | *47.10* | |
| 33 01 10 71-0056 | LF | >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement | 138.85 | |
| | | *For 3/8" Thickness, Add* | *31.40* | |
| | | *For 7/16" Thickness, Add* | *47.10* | |
| 33 01 10 71-0057 | LF | >5,000', 48" Pipe, 1/4" Pipe Lining With Cement | 127.81 | |
| | | *For 3/8" Thickness, Add* | *31.40* | |
| | | *For 7/16" Thickness, Add* | *47.10* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 10 71-0058 | LF | Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement | 177.31 | |
| | | *For 3/8" Thickness, Add* | *35.33* | |
| | | *For 7/16" Thickness, Add* | *52.99* | |
| 33 01 10 71-0059 | LF | >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement | 165.03 | |
| | | *For 3/8" Thickness, Add* | *35.33* | |
| | | *For 7/16" Thickness, Add* | *52.99* | |
| 33 01 10 71-0060 | LF | >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement | 148.00 | |
| | | *For 3/8" Thickness, Add* | *35.33* | |
| | | *For 7/16" Thickness, Add* | *52.99* | |
| 33 01 10 71-0061 | LF | >5,000', 54" Pipe, 1/4" Pipe Lining With Cement | 137.40 | |
| | | *For 3/8" Thickness, Add* | *35.33* | |
| | | *For 7/16" Thickness, Add* | *52.99* | |
| 33 01 10 71-0062 | LF | Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement | 187.13 | |
| | | *For 3/8" Thickness, Add* | *39.26* | |
| | | *For 7/16" Thickness, Add* | *58.89* | |
| 33 01 10 71-0063 | LF | >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement | 174.63 | |
| | | *For 3/8" Thickness, Add* | *39.26* | |
| | | *For 7/16" Thickness, Add* | *58.89* | |
| 33 01 10 71-0064 | LF | >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement | 157.28 | |
| | | *For 3/8" Thickness, Add* | *39.26* | |
| | | *For 7/16" Thickness, Add* | *58.89* | |
| 33 01 10 71-0065 | LF | >5,000', 60" Pipe, 1/4" Pipe Lining With Cement | 147.00 | |
| | | *For 3/8" Thickness, Add* | *39.26* | |
| | | *For 7/16" Thickness, Add* | *58.89* | |
| 33 01 10 71-0066 | LF | Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement | 197.25 | |
| | | *For 3/8" Thickness, Add* | *43.19* | |
| | | *For 7/16" Thickness, Add* | *64.78* | |
| 33 01 10 71-0067 | LF | >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement | 184.48 | |
| | | *For 3/8" Thickness, Add* | *43.19* | |
| | | *For 7/16" Thickness, Add* | *64.78* | |
| 33 01 10 71-0068 | LF | >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement | 166.85 | |
| | | *For 3/8" Thickness, Add* | *43.19* | |
| | | *For 7/16" Thickness, Add* | *64.78* | |
| 33 01 10 71-0069 | LF | >5,000', 66" Pipe, 1/4" Pipe Lining With Cement | 157.33 | |
| | | *For 3/8" Thickness, Add* | *43.19* | |
| | | *For 7/16" Thickness, Add* | *64.78* | |
| 33 01 10 71-0070 | LF | Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement | 207.81 | |
| | | *For 3/8" Thickness, Add* | *47.11* | |
| | | *For 7/16" Thickness, Add* | *70.67* | |
| 33 01 10 71-0071 | LF | >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement | 194.83 | |
| | | *For 3/8" Thickness, Add* | *47.11* | |
| | | *For 7/16" Thickness, Add* | *70.67* | |
| 33 01 10 71-0072 | LF | >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement | 176.76 | |
| | | *For 3/8" Thickness, Add* | *47.11* | |
| | | *For 7/16" Thickness, Add* | *70.67* | |
| 33 01 10 71-0073 | LF | >5,000', 72" Pipe, 1/4" Pipe Lining With Cement | 167.78 | |
| | | *For 3/8" Thickness, Add* | *47.11* | |
| | | *For 7/16" Thickness, Add* | *70.67* | |

## 33 01 10 71-0074 Lining Pipe With Epoxy *(33 01 10 71-0001)*

| | | | |
|---|---|---|---|
| 33 01 10 71-0075 | LF | Up To 500', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 61.05 |
| 33 01 10 71-0076 | LF | >500' To 1,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 54.55 |
| 33 01 10 71-0077 | LF | >1,000' To 5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 45.81 |
| 33 01 10 71-0078 | LF | >5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 41.45 |
| 33 01 10 71-0079 | LF | Up To 500', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 64.22 |
| 33 01 10 71-0080 | LF | >500' To 1,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 57.48 |
| 33 01 10 71-0081 | LF | >1,000' To 5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 48.46 |
| 33 01 10 71-0082 | LF | >5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 43.92 |
| 33 01 10 71-0083 | LF | Up To 500', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 67.32 |
| 33 01 10 71-0084 | LF | >500' To 1,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 60.43 |
| 33 01 10 71-0085 | LF | >1,000' To 5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 51.09 |
| 33 01 10 71-0086 | LF | >5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 46.50 |
| 33 01 10 71-0087 | LF | Up To 500', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 64.30 |
| 33 01 10 71-0088 | LF | >500' To 1,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 62.87 |
| 33 01 10 71-0089 | LF | >1,000' To 5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 53.43 |
| 33 01 10 71-0090 | LF | >5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 48.74 |
| 33 01 10 71-0091 | LF | Up To 500', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 76.02 |
| 33 01 10 71-0092 | LF | >500' To 1,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 68.56 |
| 33 01 10 71-0093 | LF | >1,000' To 5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 58.49 |
| 33 01 10 71-0094 | LF | >5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 53.41 |
| 33 01 10 71-0095 | LF | Up To 500', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 80.61 |
| 33 01 10 71-0096 | LF | >500' To 1,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 72.85 |
| 33 01 10 71-0097 | LF | >1,000' To 5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 62.38 |
| 33 01 10 71-0098 | LF | >5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 57.09 |
| 33 01 10 71-0099 | LF | Up To 500', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 85.09 |
| 33 01 10 71-0100 | LF | >500' To 1,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 77.13 |
| 33 01 10 71-0101 | LF | 1,000' To 5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 66.30 |
| 33 01 10 71-0102 | LF | >5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 60.82 |
| 33 01 10 71-0103 | LF | Up To 500', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 90.59 |
| 33 01 10 71-0104 | LF | >500' To 1,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 82.31 |
| 33 01 10 71-0105 | LF | >1,000' To 5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 70.96 |
| 33 01 10 71-0106 | LF | >5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 65.38 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 10 71-0107 | LF | Up To 500', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 96.10 | |
| 33 01 10 71-0108 | LF | >500' To 1,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 87.52 | |
| 33 01 10 71-0109 | LF | >1,000' To 5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 75.80 | |
| 33 01 10 71-0110 | LF | >5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 69.94 | |
| 33 01 10 71-0111 | LF | Up To 500', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 104.11 | |
| 33 01 10 71-0112 | LF | >500' To 1,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 95.01 | |
| 33 01 10 71-0113 | LF | >1,000' To 5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 82.62 | |
| 33 01 10 71-0114 | LF | >5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 76.34 | |
| 33 01 10 71-0115 | LF | Up To 500', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 112.02 | |
| 33 01 10 71-0116 | LF | >500' To 1,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 102.53 | |
| 33 01 10 71-0117 | LF | >1,000' To 5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 89.43 | |
| 33 01 10 71-0118 | LF | >5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 82.93 | |
| 33 01 10 71-0119 | LF | Up To 500', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 124.70 | |
| 33 01 10 71-0120 | LF | >500' To 1,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 114.36 | |
| 33 01 10 71-0121 | LF | >1,000' To 5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 100.12 | |
| 33 01 10 71-0122 | LF | >5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 93.07 | |
| 33 01 10 71-0123 | LF | Up To 500', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 137.31 | |
| 33 01 10 71-0124 | LF | >500' To 1,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 126.24 | |
| 33 01 10 71-0125 | LF | >1,000' To 5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 110.94 | |
| 33 01 10 71-0126 | LF | >5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 103.37 | |
| 33 01 10 71-0127 | LF | Up To 500', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 144.20 | |
| 33 01 10 71-0128 | LF | >500' To 1,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 132.90 | |
| 33 01 10 71-0129 | LF | >1,000' To 5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 117.23 | |
| 33 01 10 71-0130 | LF | >5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 109.46 | |
| 33 01 10 71-0131 | LF | Up To 500', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 151.07 | |
| 33 01 10 71-0132 | LF | >500' To 1,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 139.59 | |
| 33 01 10 71-0133 | LF | >1,000' To 5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 123.61 | |
| 33 01 10 71-0134 | LF | >5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining | 115.35 | |

## 33 01 10 71-0135 Water House Connection *(33 01 10 71-0001)*

| | | | | |
|---|---|---|---|---|
| 33 01 10 71-0136 | EA | Blow Out Line To Water House Connection After Lining | 56.17 | |

## 33 01 10 71-0137 Lining Pipe With Resin Impregnated CIPP/ Cured In-Place Pipe Structural Potable Watermain Lining *(33 01 10 71)*

Note: CIPP/ Cured in-place pipe lining excludes the following: excavation of access pits, excavation for temporary water connections for services between 1" to 12" diameter, temporary bypass, CCTV inspection, pipe cleaning, pressure testing, any water main appurtenances and required water main connections, reinstating service connecgtions, soft and hard restorations, emergency after hours response for residents. All Excluded Items require additional payment. To comply with this specification: the CIPP lining must: (i) be NSF 61 approved for use in potable / drinking water and meet standards of a Class IV structural liner; (ii) be fully structural liner according to the AWWA M28 Manual or ASTM F1216-09, ASTM F1743-08, ASTM F2994-18 or ASTM F2019-03(2009) and sized properly to ensure tight fit between liner and host pipe; (iii) be able to be hot-tapped (live tapped); (iv) require no additional seals or fittings to achieve adhesion to the host main; (v) have an internal design pressure of 150psi; (vi) the water service connections shall be reinstated from inside of the line pipe, using a mechanical robot equipped with a camera and activated by an operator using a remote control and television unit; (vii) the inside diameter of the watermain to be lined shall be accurately measured thoughout the length of the lining run using a suitable device such as a laser measuring device that will travel along the inside of the exisitng watermain and the final installed liner shall leave no gap or annular space between the liner and the watermain at any location around the perimeter of the watermain along the full length; (viii) the service shall be opened to the full pre-existing flow opening size, including the removal of any resin slugging in or up the service connection that will impede flow; and (ix) after opening the connections, the lined watermain shall be flushed clean, disinfected and restored to service. (x) the general contractor (or installer) must have a minimum of five-years of potable CIPP lining experience and have previously installed a minimum of 100,000 ft of potable CIPP lining in compliance with the preceding items (i)-(ix). If unable to reinstate a service connection from the inside, a suitable excavation will be required to access the main stop and to disconnect the existing copper pipe and reconnect the copper piping with the Contract Administrator's approved fittings. See CSI section 31 23 16 00-0000 for excavation, 33 01 10 54-0000 for watermain pipe cleaning.

## 33 01 10 71-0138 Relining Underground Pipelines Set-Up And Reinsertion For CIPP *(33 01 10 71-0137)*

| | | | | |
|---|---|---|---|---|
| 33 01 10 71-0139 | EA | Initial Set Up And Final Equipment Removal For Relining 4" To 12" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,627.64 | |
| 33 01 10 71-0140 | EA | Initial Set Up And Final Equipment Removal For Relining > 12" To 24" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,712.74 | |
| 33 01 10 71-0141 | EA | Move And Reset Up At Different Access/Location For Relining 4" To 12" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 813.82 | |
| 33 01 10 71-0142 | EA | Move And Reset Up At Different Access/Location For Relining >12" To 24" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,356.36 | |

## 33 01 10 71-0143 CIPP Structural Potable Watermain Lining *(33 01 10 71-0137)*

| | | | | |
|---|---|---|---|---|
| 33 01 10 71-0144 | LF | 6mm Lining 4" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 34.32 | |
| | | *For >10 To 25, Add* | *26.90* | |
| | | *For >25 To 50, Add* | *17.45* | |
| | | *For >50 To 100, Add* | *8.72* | |
| | | *For >500 To 1,000, Deduct* | *-1.13* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.06* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.20* | |
| | | *For >5,000, Deduct* | *-5.06* | |
| | | *For 7.5mm Liner Thickness, Add* | *6.46* | |
| | | *For 9mm Liner Thickness, Add* | *12.90* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 10 71-0145 | LF | 6mm Lining 6" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 48.51 | |
| | | *For >10 To 25, Add* | *31.05* | |
| | | *For >25 To 50, Add* | *20.64* | |
| | | *For >50 To 100, Add* | *10.32* | |
| | | *For >500 To 1,000, Deduct* | *-1.43* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.66* | |
| | | *For >2,000 To 5,000, Deduct* | *-4.09* | |
| | | *For >5,000, Deduct* | *-6.53* | |
| | | *For 7.5mm Liner Thickness, Add* | *9.90* | |
| | | *For 9mm Liner Thickness, Add* | *19.75* | |
| 33 01 10 71-0146 | LF | 6mm Lining 8" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 63.10 | |
| | | *For >10 To 25, Add* | *36.23* | |
| | | *For >25 To 50, Add* | *24.44* | |
| | | *For >50 To 100, Add* | *12.22* | |
| | | *For >500 To 1,000, Deduct* | *-1.76* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.30* | |
| | | *For >2,000 To 5,000, Deduct* | *-5.06* | |
| | | *For >5,000, Deduct* | *-8.13* | |
| | | *For 7.5mm Liner Thickness, Add* | *13.34* | |
| | | *For 9mm Liner Thickness, Add* | *26.61* | |
| 33 01 10 71-0147 | LF | 6mm Lining 10" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 77.82 | |
| | | *For >10 To 25, Add* | *41.73* | |
| | | *For >25 To 50, Add* | *28.43* | |
| | | *For >50 To 100, Add* | *14.22* | |
| | | *For >500 To 1,000, Deduct* | *-2.10* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.95* | |
| | | *For >2,000 To 5,000, Deduct* | *-6.06* | |
| | | *For >5,000, Deduct* | *-9.76* | |
| | | *For 7.5mm Liner Thickness, Add* | *16.77* | |
| | | *For 9mm Liner Thickness, Add* | *33.46* | |
| 33 01 10 71-0148 | LF | 6mm Lining 12" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 92.69 | |
| | | *For >10 To 25, Add* | *47.59* | |
| | | *For >25 To 50, Add* | *32.64* | |
| | | *For >50 To 100, Add* | *16.32* | |
| | | *For >500 To 1,000, Deduct* | *-2.45* | |
| | | *For >1,000 To 2,000, Deduct* | *-4.63* | |
| | | *For >2,000 To 5,000, Deduct* | *-7.08* | |
| | | *For >5,000, Deduct* | *-11.44* | |
| | | *For 7.5mm Liner Thickness, Add* | *20.21* | |
| | | *For 9mm Liner Thickness, Add* | *40.31* | |
| 33 01 10 71-0149 | LF | 6mm Lining 14" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 108.10 | |
| | | *For >10 To 25, Add* | *54.81* | |
| | | *For >25 To 50, Add* | *37.68* | |
| | | *For >50 To 100, Add* | *18.84* | |
| | | *For >500 To 1,000, Deduct* | *-2.84* | |
| | | *For >1,000 To 2,000, Deduct* | *-5.37* | |
| | | *For >2,000 To 5,000, Deduct* | *-8.22* | |
| | | *For >5,000, Deduct* | *-13.28* | |
| | | *For 7.5mm Liner Thickness, Add* | *23.64* | |
| | | *For 9mm Liner Thickness, Add* | *47.17* | |
| | | *For 10.5mm Liner Thickness, Add* | *70.57* | |
| | | *For 12mm Liner Thickness, Add* | *93.85* | |
| | | *For 13.5mm Liner Thickness, Add* | *117.02* | |
| | | *For 15mm Liner Thickness, Add* | *140.06* | |
| 33 01 10 71-0150 | LF | 6mm Lining 16" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 122.82 | |
| | | *For >10 To 25, Add* | *60.32* | |
| | | *For >25 To 50, Add* | *41.67* | |
| | | *For >50 To 100, Add* | *20.84* | |
| | | *For >500 To 1,000, Deduct* | *-3.18* | |
| | | *For >1,000 To 2,000, Deduct* | *-6.03* | |
| | | *For >2,000 To 5,000, Deduct* | *-9.21* | |
| | | *For >5,000, Deduct* | *-14.91* | |
| | | *For 7.5mm Liner Thickness, Add* | *27.08* | |
| | | *For 9mm Liner Thickness, Add* | *54.02* | |
| | | *For 10.5mm Liner Thickness, Add* | *80.82* | |
| | | *For 12mm Liner Thickness, Add* | *107.49* | |
| | | *For 13.5mm Liner Thickness, Add* | *134.02* | |
| | | *For 15mm Liner Thickness, Add* | *160.41* | |
| 33 01 10 71-0151 | LF | 6mm Lining 18" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 139.17 | |
| | | *For >10 To 25, Add* | *69.89* | |
| | | *For >25 To 50, Add* | *48.11* | |
| | | *For >50 To 100, Add* | *24.06* | |
| | | *For >500 To 1,000, Deduct* | *-3.64* | |
| | | *For >1,000 To 2,000, Deduct* | *-6.89* | |
| | | *For >2,000 To 5,000, Deduct* | *-10.53* | |
| | | *For >5,000, Deduct* | *-17.04* | |
| | | *For 7.5mm Liner Thickness, Add* | *30.51* | |
| | | *For 9mm Liner Thickness, Add* | *60.87* | |
| | | *For 10.5mm Liner Thickness, Add* | *91.07* | |
| | | *For 12mm Liner Thickness, Add* | *121.12* | |
| | | *For 13.5mm Liner Thickness, Add* | *151.01* | |
| | | *For 15mm Liner Thickness, Add* | *180.76* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 10 71-0152 | LF | 6mm Lining 20" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 154.58 | |
| | | *For >10 To 25, Add* | *77.10* | |
| | | *For >25 To 50, Add* | *53.13* | |
| | | *For >50 To 100, Add* | *26.57* | |
| | | *For >500 To 1,000, Deduct* | *-4.03* | |
| | | *For >1,000 To 2,000, Deduct* | *-7.64* | |
| | | *For >2,000 To 5,000, Deduct* | *-11.67* | |
| | | *For >5,000, Deduct* | *-18.88* | |
| | | *For 7.5mm Liner Thickness, Add* | *33.95* | |
| | | *For 9mm Liner Thickness, Add* | *67.73* | |
| | | *For 10.5mm Liner Thickness, Add* | *101.33* | |
| | | *For 12mm Liner Thickness, Add* | *134.77* | |
| | | *For 13.5mm Liner Thickness, Add* | *168.03* | |
| | | *For 15mm Liner Thickness, Add* | *201.12* | |
| 33 01 10 71-0153 | LF | 6mm Lining 24" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 184.98 | |
| | | *For >10 To 25, Add* | *90.50* | |
| | | *For >25 To 50, Add* | *62.57* | |
| | | *For >50 To 100, Add* | *31.28* | |
| | | *For >500 To 1,000, Deduct* | *-4.78* | |
| | | *For >1,000 To 2,000, Deduct* | *-9.07* | |
| | | *For >2,000 To 5,000, Deduct* | *-13.85* | |
| | | *For >5,000, Deduct* | *-22.43* | |
| | | *For 7.5mm Liner Thickness, Add* | *40.82* | |
| | | *For 9mm Liner Thickness, Add* | *81.43* | |
| | | *For 10.5mm Liner Thickness, Add* | *121.83* | |
| | | *For 12mm Liner Thickness, Add* | *162.04* | |
| | | *For 13.5mm Liner Thickness, Add* | *202.03* | |
| | | *For 15mm Liner Thickness, Add* | *241.82* | |
| | | *For 16.5mm Liner Thickness, Add* | *281.39* | |
| | | *For 18mm Liner Thickness, Add* | *320.77* | |
| | | *For 19.5mm Liner Thickness, Add* | *359.95* | |
| | | *For 21mm Liner Thickness, Add* | *398.91* | |
| | | *For 22.5mm Liner Thickness, Add* | *437.67* | |
| | | *For 24mm Liner Thickness, Add* | *476.23* | |
| | | *For 27mm Liner Thickness, Add* | *552.71* | |
| 33 01 10 71-0154 | EA | 4" Watermain Pipe Reinstate Service Connection | 304.31 | |
| 33 01 10 71-0155 | EA | 6" Watermain Pipe Reinstate Service Connection | 337.70 | |
| 33 01 10 71-0156 | EA | 8" Watermain Pipe Reinstate Service Connection | 408.27 | |
| 33 01 10 71-0157 | EA | 10" Watermain Pipe Reinstate Service Connection | 460.27 | |
| 33 01 10 71-0158 | EA | 12" Watermain Pipe Reinstate Service Connection | 512.26 | |
| 33 01 10 71-0159 | EA | 16" Watermain Pipe Reinstate Service Connection | 606.94 | |
| 33 01 10 71-0160 | EA | 18" Watermain Pipe Reinstate Service Connection | 701.60 | |
| 33 01 10 71-0161 | EA | 20" Watermain Pipe Reinstate Service Connection | 796.28 | |
| 33 01 10 71-0162 | EA | 24" Watermain Pipe Reinstate Service Connection | 924.35 | |
| 33 01 10 71-0163 | LF | Up To 14" Diameter, Pressure Testing CIPP Lined Watermain | 11.69 | |
| 33 01 10 71-0164 | LF | >14" To 20" Diameter, Pressure Testing CIPP Lined Watermain | 13.35 | |
| 33 01 10 71-0165 | LF | >20" To 24" Diameter, Pressure Testing CIPP Lined Watermain | 16.70 | |
| 33 01 10 71-0166 | LF | Up To 12" Diameter CCTV Pre/Post CIPP Lining Video Inspection | 3.38 | |
| | | *For >500 To 1,000, Deduct* | *-0.34* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.85* | |
| | | *For >5,000, Deduct* | *-1.18* | |
| 33 01 10 71-0167 | LF | >12" To 24" Diameter CCTV Pre/Post CIPP Lining Video Inspection | 4.23 | |
| | | *For >500 To 1,000, Deduct* | *-0.42* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.06* | |
| | | *For >5,000, Deduct* | *-1.48* | |

## 33 01 10 71-0168 Potable Temporary Above Ground Watermain *(33 01 10 71-0137)*

| | | | | |
|---|---|---|---|---|
| 33 01 10 71-0169 | LF | 2" Temporary Bypass Watermain Piping<br>Note: Includes removal after use. | 6.76 | |
| | | *For >500 To 1,000, Deduct* | *-0.45* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.90* | |
| | | *For >5,000, Deduct* | *-1.50* | |
| 33 01 10 71-0170 | LF | 4" Temporary Bypass Watermain Piping<br>Note: Includes removal after use. | 8.59 | |
| | | *For >500 To 1,000, Deduct* | *-0.58* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.16* | |
| | | *For >5,000, Deduct* | *-1.93* | |
| 33 01 10 71-0171 | LF | 6" Temporary Bypass Watermain Piping<br>Note: Includes removal after use. | 10.80 | |
| | | *For >500 To 1,000, Deduct* | *-0.67* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.35* | |
| | | *For >5,000, Deduct* | *-2.25* | |
| 33 01 10 71-0172 | EA | Up To 1" Diameter, Temporary Bypass Service Connection | 35.89 | |
| 33 01 10 71-0173 | EA | >1" To 2" Diameter, Temporary Bypass Service Connection | 59.29 | |
| 33 01 10 71-0174 | EA | >2" To 4" Diameter, Temporary Bypass Service Connection | 113.18 | |
| 33 01 10 71-0175 | EA | >4" To 6" Diameter, Temporary Bypass Service Connection | 137.18 | |
| 33 01 10 71-0176 | EA | >6" To 12" Diameter, Temporary Bypass Service Connection | 377.27 | |
| 33 01 10 71-0177 | LF | Excavation For Temporary Water Connections For Services Between 1" To 12" Diameter | 4.45 | |
| | | *For Up To 20, Add* | *4.45* | |
| | | *For >20 To 50, Add* | *3.34* | |
| | | *For >50 To 250, Add* | *1.78* | |
| | | *For >250 To 500, Add* | *0.67* | |
| | | *For >1,000, Deduct* | *-0.67* | |
| 33 01 10 71-0178 | LF | GPS Mapping (XYZ Plan and Profile) | 4.09 | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 33 01 20 Operation and Maintenance of Wells *(33 01)*

33 01 20 00-0001 Pull Submersible Well Pumps For Repair *(33 01 20)*
Note: Includes cleaning.

| | | | |
|---|---|---|---|
| 33 01 20 00-0002 | EA | Up To 100' Depth, Pull Submersible Well Pumps For Repair<br>Note: Includes reinstallation after repair. | 95.48 |
| 33 01 20 00-0003 | EA | >100 To 200' Depth, Pull Submersible Well Pumps For Repair<br>Note: Includes reinstallation after repair. | 127.31 |
| 33 01 20 00-0004 | EA | >200 To 300' Depth, Pull Submersible Well Pumps For Repair<br>Note: Includes reinstallation after repair. | 165.49 |
| 33 01 20 00-0005 | EA | >300 To 400' Depth, Pull Submersible Well Pumps For Repair<br>Note: Includes reinstallation after repair. | 216.41 |
| 33 01 20 00-0006 | EA | >400 To 500' Depth, Pull Submersible Well Pumps For Repair<br>Note: Includes reinstallation after repair. | 267.33 |
| 33 01 20 00-0007 | EA | >500 To 600' Depth, Pull Submersible Well Pumps For Repair<br>Note: Includes reinstallation after repair. | 305.52 |

## 33 01 30 Operation and Maintenance of Sewer Utilities *(33 01)*

### 33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*
Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*
Note: "Distance From Truck" modifiers are used for backyards, fields, hillsides, wooded areas and canyons.

33 01 30 11-0002 Video Camera Set-up *(33 01 30 11-0001)*
Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet. Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).

| | | | |
|---|---|---|---|
| 33 01 30 11-0003 | EA | Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert | 947.62 |
| 33 01 30 11-0004 | EA | Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert | 1,895.24 |
| 33 01 30 11-0005 | EA | Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert | 2,842.86 |
| 33 01 30 11-0006 | EA | Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert | 473.81 |
| 33 01 30 11-0007 | EA | Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert | 947.62 |

33 01 30 11-0008 Video Camera Planning And Analysis Inspection *(33 01 30 11-0001)*
Note: For pipe interior and culverts. Includes all set-up and pre-cleaning sufficient for CCTV pipe inspection.

| | | | |
|---|---|---|---|
| 33 01 30 11-0009 | LF | 4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase<br>Note: CCTV inspection of pipe interior. | 2.40 |
| | | *For >500 To 1,000, Deduct* | *-0.24* |
| | | *For >1,000 To 5,000, Deduct* | *-0.60* |
| | | *For >5,000, Deduct* | *-0.84* |
| | | *For Inspection Not Requiring Pre-cleaning, Deduct* | *-0.36* |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* |
| 33 01 30 11-0010 | LF | >6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase<br>Note: CCTV inspection of pipe interior. | 3.21 |
| | | *For >500 To 1,000, Deduct* | *-0.32* |
| | | *For >1,000 To 5,000, Deduct* | *-0.80* |
| | | *For >5,000, Deduct* | *-1.12* |
| | | *For Inspection Not Requiring Pre-cleaning, Deduct* | *-0.48* |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* |
| 33 01 30 11-0011 | LF | >12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase<br>Note: CCTV inspection of pipe interior. | 4.00 |
| | | *For >500 To 1,000, Deduct* | *-0.40* |
| | | *For >1,000 To 5,000, Deduct* | *-1.00* |
| | | *For >5,000, Deduct* | *-1.40* |
| | | *For Inspection Not Requiring Pre-cleaning, Deduct* | *-0.60* |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* |
| 33 01 30 11-0012 | LF | >21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase<br>Note: CCTV inspection of pipe interior. | 5.34 |
| | | *For >500 To 1,000, Deduct* | *-0.53* |
| | | *For >1,000 To 5,000, Deduct* | *-1.34* |
| | | *For >5,000, Deduct* | *-1.87* |
| | | *For Inspection Not Requiring Pre-cleaning, Deduct* | *-0.80* |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 11-0013 | LF | >30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase | 7.51 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-0.75* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.88* | |
| | | *For >5,000, Deduct* | *-2.63* | |
| | | *For Inspection Not Requiring Pre-cleaning, Deduct* | *-1.13* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0014 | LF | >42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase | 10.01 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-1.00* | |
| | | *For >1,000 To 5,000, Deduct* | *-2.50* | |
| | | *For >5,000, Deduct* | *-3.50* | |
| | | *For Inspection Not Requiring Pre-cleaning, Deduct* | *-1.50* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0015 | LF | >60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase | 14.14 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-1.41* | |
| | | *For >1,000 To 5,000, Deduct* | *-3.54* | |
| | | *For >5,000, Deduct* | *-4.95* | |
| | | *For Inspection Not Requiring Pre-cleaning, Deduct* | *-2.12* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0016 | LF | >72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase | 20.02 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-2.00* | |
| | | *For >1,000 To 5,000, Deduct* | *-5.01* | |
| | | *For >5,000, Deduct* | *-7.01* | |
| | | *For Inspection Not Requiring Pre-cleaning, Deduct* | *-3.00* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0017 | | **Video Camera Pre-Rehab For Pipe Interior And Culverts** *(33 01 30 11-0001)* | | |
| | | Note: Includes all set-up. | | |
| 33 01 30 11-0018 | LF | 4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase | 3.56 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-0.36* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.89* | |
| | | *For >5,000, Deduct* | *-1.25* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0019 | LF | >6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase | 4.73 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-0.47* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.18* | |
| | | *For >5,000, Deduct* | *-1.66* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0020 | LF | >12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase | 5.92 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-0.59* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.48* | |
| | | *For >5,000, Deduct* | *-2.07* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0021 | LF | >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase | 7.90 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-0.79* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.98* | |
| | | *For >5,000, Deduct* | *-2.77* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 11-0022 | LF | >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase | 11.11 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-1.11* | |
| | | *For >1,000 To 5,000, Deduct* | *-2.78* | |
| | | *For >5,000, Deduct* | *-3.89* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0023 | LF | >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase | 14.81 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-1.48* | |
| | | *For >1,000 To 5,000, Deduct* | *-3.70* | |
| | | *For >5,000, Deduct* | *-5.18* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0024 | LF | >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase | 20.90 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-2.09* | |
| | | *For >1,000 To 5,000, Deduct* | *-5.23* | |
| | | *For >5,000, Deduct* | *-7.32* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0025 | LF | >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase | 29.61 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-2.96* | |
| | | *For >1,000 To 5,000, Deduct* | *-7.40* | |
| | | *For >5,000, Deduct* | *-10.36* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0026 | | Video Camera Post-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)* | | |
| | | Note: Includes all set-up. | | |
| 33 01 30 11-0027 | LF | 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase | 2.54 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-0.25* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.64* | |
| | | *For >5,000, Deduct* | *-0.89* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0028 | LF | >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase | 3.38 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-0.34* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.85* | |
| | | *For >5,000, Deduct* | *-1.18* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0029 | LF | >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase | 4.23 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-0.42* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.06* | |
| | | *For >5,000, Deduct* | *-1.48* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0030 | LF | >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase | 5.64 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-0.56* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.41* | |
| | | *For >5,000, Deduct* | *-1.97* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0031 | LF | >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase | 7.93 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-0.79* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.98* | |
| | | *For >5,000, Deduct* | *-2.78* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 11-0032 | LF | >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase | 10.58 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-1.06* | |
| | | *For >1,000 To 5,000, Deduct* | *-2.65* | |
| | | *For >5,000, Deduct* | *-3.70* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0033 | LF | >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase | 14.93 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-1.49* | |
| | | *For >1,000 To 5,000, Deduct* | *-3.73* | |
| | | *For >5,000, Deduct* | *-5.23* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |
| 33 01 30 11-0034 | LF | >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase | 21.15 | |
| | | Note: CCTV inspection of pipe interior. | | |
| | | *For >500 To 1,000, Deduct* | *-2.12* | |
| | | *For >1,000 To 5,000, Deduct* | *-5.29* | |
| | | *For >5,000, Deduct* | *-7.40* | |
| | | *5' To 50' From Truck To Manhole Distance, Add* | *0.78* | |
| | | *>50' To 100' From Truck To Manhole Distance, Add* | *1.18* | |
| | | *>100' To 400' From Truck To Manhole Distance, Add* | *1.58* | |
| | | *>400' To 600' From Truck To Manhole Distance, Add* | *2.36* | |

## 33 01 30 41 Cleaning of Sewers *(33 01 30)*

### 33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*

Note: Includes flushing. Owner provided water. See CSI section 33 01 30 89-0001 for bypass pumping and piping.

### 33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*

Note: Includes removal of all debris/waste. Excludes disposal.

### 33 01 30 41-0003 Hydro Jet Set-up And Reinsertion *(33 01 30 41-0002)*

Note: Includes mobilization delivery, set-up, clean-up after use and return.

| | | | |
|---|---|---|---|
| 33 01 30 41-0004 | EA | Initial Set Up And Final Equipment Removal For Up To 8" Jet Cleaning | 1,482.41 |
| 33 01 30 41-0005 | EA | Initial Set Up And Final Equipment Removal For >8" To 12" Jet Cleaning | 2,223.62 |
| 33 01 30 41-0006 | EA | Initial Set Up And Final Equipment Removal For >12" To 30" Jet Cleaning | 2,964.83 |
| 33 01 30 41-0007 | EA | Initial Set Up And Final Equipment Removal For >30" Jet Cleaning | 3,953.10 |
| 33 01 30 41-0008 | EA | Move And Reset Up At Different Access/Location For Up To 8" Jet Cleaning | 370.60 |
| 33 01 30 41-0009 | EA | Move And Reset Up At Different Access/Location For >8" To 12" Jet Cleaning | 555.91 |
| 33 01 30 41-0010 | EA | Move And Reset Up At Different Access/Location For >12" To 30" Jet Cleaning | 741.21 |
| 33 01 30 41-0011 | EA | Move And Reset Up At Different Access/Location For >30" Jet Cleaning | 926.51 |

### 33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines *(33 01 30 41-0002)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 41-0013 | LF | Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes | 3.98 | |
| | | *For >250 To 500, Deduct* | *-0.20* | |
| | | *For >500 To 1,000, Deduct* | *-0.40* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.60* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.80* | |
| | | *For >5,000, Deduct* | *-1.00* | |
| | | *For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add* | *2.99* | |
| 33 01 30 41-0014 | LF | 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes | 4.58 | |
| | | *For >250 To 500, Deduct* | *-0.23* | |
| | | *For >500 To 1,000, Deduct* | *-0.46* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.69* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.92* | |
| | | *For >5,000, Deduct* | *-1.15* | |
| | | *For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add* | *3.44* | |
| 33 01 30 41-0015 | LF | 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes | 5.37 | |
| | | *For >250 To 500, Deduct* | *-0.27* | |
| | | *For >500 To 1,000, Deduct* | *-0.54* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.81* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.07* | |
| | | *For >5,000, Deduct* | *-1.34* | |
| | | *For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add* | *4.03* | |
| 33 01 30 41-0016 | LF | 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes | 6.64 | |
| | | *For >250 To 500, Deduct* | *-0.33* | |
| | | *For >500 To 1,000, Deduct* | *-0.66* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.00* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.33* | |
| | | *For >5,000, Deduct* | *-1.66* | |
| | | *For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add* | *4.98* | |
| 33 01 30 41-0017 | LF | 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes | 7.54 | |
| | | *For >250 To 500, Deduct* | *-0.38* | |
| | | *For >500 To 1,000, Deduct* | *-0.75* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.13* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.51* | |
| | | *For >5,000, Deduct* | *-1.89* | |
| | | *For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add* | *5.66* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 41-0018 | LF | >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes | 8.70 | |
| | | *For >250 To 500, Deduct* | *-0.44* | |
| | | *For >500 To 1,000, Deduct* | *-0.87* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.31* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.74* | |
| | | *For >5,000, Deduct* | *-2.18* | |
| | | *For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add* | *6.53* | |
| 33 01 30 41-0019 | LF | >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes | 10.47 | |
| | | *For >250 To 500, Deduct* | *-0.52* | |
| | | *For >500 To 1,000, Deduct* | *-1.05* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.57* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.09* | |
| | | *For >5,000, Deduct* | *-2.62* | |
| | | *For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add* | *7.85* | |
| 33 01 30 41-0020 | LF | >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes | 11.88 | |
| | | *For >250 To 500, Deduct* | *-0.59* | |
| | | *For >500 To 1,000, Deduct* | *-1.19* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.78* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.38* | |
| | | *For >5,000, Deduct* | *-2.97* | |
| | | *For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add* | *8.91* | |
| 33 01 30 41-0021 | LF | >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes | 14.04 | |
| | | *For >250 To 500, Deduct* | *-0.70* | |
| | | *For >500 To 1,000, Deduct* | *-1.40* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.11* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.81* | |
| | | *For >5,000, Deduct* | *-3.51* | |
| | | *For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add* | *10.53* | |
| 33 01 30 41-0022 | LF | >42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes | 17.64 | |
| | | *For >250 To 500, Deduct* | *-0.88* | |
| | | *For >500 To 1,000, Deduct* | *-1.76* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.65* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.53* | |
| | | *For >5,000, Deduct* | *-4.41* | |
| | | *For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add* | *13.23* | |
| 33 01 30 41-0023 | LF | >60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes | 20.59 | |
| | | *For >250 To 500, Deduct* | *-1.03* | |
| | | *For >500 To 1,000, Deduct* | *-2.06* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.09* | |
| | | *For >2,000 To 5,000, Deduct* | *-4.12* | |
| | | *For >5,000, Deduct* | *-5.15* | |
| | | *For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add* | *15.44* | |

## 33 01 30 41-0024 Flushing Of Storm Water Pipelines *(33 01 30 41-0002)*

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

| | | | | |
|---|---|---|---|---|
| 33 01 30 41-0025 | LF | 12" To 16" Diameter Pipe Line Flushing | 1.61 | |
| | | *For >250 To 500, Deduct* | *-0.08* | |
| | | *For >500 To 1,000, Deduct* | *-0.16* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.24* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.32* | |
| | | *For >5,000, Deduct* | *-0.40* | |
| 33 01 30 41-0026 | LF | >16" To 24" Diameter Pipe Line Flushing | 1.85 | |
| | | *For >250 To 500, Deduct* | *-0.09* | |
| | | *For >500 To 1,000, Deduct* | *-0.19* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.28* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.37* | |
| | | *For >5,000, Deduct* | *-0.46* | |
| 33 01 30 41-0027 | LF | >24" To 30" Diameter Pipe Line Flushing | 2.17 | |
| | | *For >250 To 500, Deduct* | *-0.11* | |
| | | *For >500 To 1,000, Deduct* | *-0.22* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.33* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.43* | |
| | | *For >5,000, Deduct* | *-0.54* | |
| 33 01 30 41-0028 | LF | >30" To 42" Diameter Pipe Line Flushing | 2.49 | |
| | | *For >250 To 500, Deduct* | *-0.12* | |
| | | *For >500 To 1,000, Deduct* | *-0.25* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.37* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.50* | |
| | | *For >5,000, Deduct* | *-0.62* | |
| 33 01 30 41-0029 | LF | >42" To 60" Diameter Pipe Line Flushing | 3.32 | |
| | | *For >250 To 500, Deduct* | *-0.17* | |
| | | *For >500 To 1,000, Deduct* | *-0.33* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.50* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.66* | |
| | | *For >5,000, Deduct* | *-0.83* | |

## 33 01 30 41-0030 Hydro Jet Cleaning Of Culverts *(33 01 30 41-0002)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 41-0031 | LF | Jet Cleaning Of Culvert, 0-250 LF | 18.44 | |
| | | *For >250 To 500, Deduct* | *-0.92* | |
| | | *For >500 To 1,000, Deduct* | *-1.84* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.77* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.69* | |
| | | *For >5,000, Deduct* | *-4.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 01 30 41-0032** | | **Pipe Line Cleaning, Mechanical Method** *(33 01 30 41-0001)* | | |
| | | Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal. | | |
| 33 01 30 41-0033 | EA | Initial Set Up And Final Equipment Removal For Mechanical Cleaning | 1,348.02 | |
| 33 01 30 41-0034 | EA | Move And Reset Up At Different Access/Location | 449.34 | |
| 33 01 30 41-0035 | LF | Up To 4" Diameter Pipe Line Cleaning, Mechanical Method | 7.80 | |
| | | *For >250 To 500, Deduct* | *-0.37* | |
| | | *For >500 To 1,000, Deduct* | *-0.75* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.12* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.50* | |
| | | *For >5,000, Deduct* | *-1.87* | |
| 33 01 30 41-0036 | LF | 6" Diameter Pipe Line Cleaning, Mechanical Method | 10.25 | |
| | | *For >250 To 500, Deduct* | *-0.48* | |
| | | *For >500 To 1,000, Deduct* | *-0.96* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.44* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.93* | |
| | | *For >5,000, Deduct* | *-2.41* | |
| 33 01 30 41-0037 | LF | 8" Diameter Pipe Line Cleaning, Mechanical Method | 12.01 | |
| | | *For >250 To 500, Deduct* | *-0.56* | |
| | | *For >500 To 1,000, Deduct* | *-1.12* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.69* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.25* | |
| | | *For >5,000, Deduct* | *-2.81* | |
| 33 01 30 41-0038 | LF | 10" Diameter Pipe Line Cleaning, Mechanical Method | 13.90 | |
| | | *For >250 To 500, Deduct* | *-0.65* | |
| | | *For >500 To 1,000, Deduct* | *-1.30* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.95* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.59* | |
| | | *For >5,000, Deduct* | *-3.24* | |
| 33 01 30 41-0039 | LF | 12" Diameter Pipe Line Cleaning, Mechanical Method | 15.12 | |
| | | *For >250 To 500, Deduct* | *-0.70* | |
| | | *For >500 To 1,000, Deduct* | *-1.40* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.11* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.81* | |
| | | *For >5,000, Deduct* | *-3.51* | |
| 33 01 30 41-0040 | LF | >12" To 16" Diameter Pipe Line Cleaning, Mechanical Method | 17.44 | |
| | | *For >250 To 500, Deduct* | *-0.80* | |
| | | *For >500 To 1,000, Deduct* | *-1.61* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.41* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.21* | |
| | | *For >5,000, Deduct* | *-4.01* | |
| 33 01 30 41-0041 | LF | >16" To 24" Diameter Pipe Line Cleaning, Mechanical Method | 21.99 | |
| | | *For >250 To 500, Deduct* | *-0.99* | |
| | | *For >500 To 1,000, Deduct* | *-1.98* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.97* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.96* | |
| | | *For >5,000, Deduct* | *-4.96* | |
| 33 01 30 41-0042 | LF | >24" To 30" Diameter Pipe Line Cleaning, Mechanical Method | 25.20 | |
| | | *For >250 To 500, Deduct* | *-1.11* | |
| | | *For >500 To 1,000, Deduct* | *-2.21* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.32* | |
| | | *For >2,000 To 5,000, Deduct* | *-4.42* | |
| | | *For >5,000, Deduct* | *-5.53* | |
| 33 01 30 41-0043 | LF | >30" To 42" Diameter Pipe Line Cleaning, Mechanical Method | 29.30 | |
| | | *For >250 To 500, Deduct* | *-1.27* | |
| | | *For >500 To 1,000, Deduct* | *-2.54* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.81* | |
| | | *For >2,000 To 5,000, Deduct* | *-5.09* | |
| | | *For >5,000, Deduct* | *-6.36* | |
| 33 01 30 41-0044 | LF | >42 To 60" Diameter Pipe Line Cleaning, Mechanical Method | 38.35 | |
| | | *For >250 To 500, Deduct* | *-1.69* | |
| | | *For >500 To 1,000, Deduct* | *-3.37* | |
| | | *For >1,000 To 2,000, Deduct* | *-5.06* | |
| | | *For >2,000 To 5,000, Deduct* | *-6.74* | |
| | | *For >5,000, Deduct* | *-8.43* | |
| 33 01 30 41-0045 | LF | >60" Diameter Pipe Line Cleaning, Mechanical Method | 43.64 | |
| | | *For >250 To 500, Deduct* | *-1.87* | |
| | | *For >500 To 1,000, Deduct* | *-3.74* | |
| | | *For >1,000 To 2,000, Deduct* | *-5.62* | |
| | | *For >2,000 To 5,000, Deduct* | *-7.49* | |
| | | *For >5,000, Deduct* | *-9.36* | |
| **33 01 30 41-0046** | | **Pipe Line Auguring/Rod Out Pipe** *(33 01 30 41-0001)* | | |
| 33 01 30 41-0047 | EA | Initial Set Up And Final Equipment Removal For Auguring | 1,348.02 | |
| 33 01 30 41-0048 | EA | Move And Reset Up At Different Location | 449.34 | |
| 33 01 30 41-0049 | LF | Up To 4" Diameter Pipe Line Auguring/Rod Out | 4.49 | |
| | | *For >250 To 500, Deduct* | *-0.22* | |
| | | *For >500 To 1,000, Deduct* | *-0.45* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.67* | |
| | | *For >2,000 To 5,000, Deduct* | *-0.90* | |
| | | *For >5,000, Deduct* | *-1.12* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 41-0050 | LF | 6" Diameter Pipe Line Auguring/Rod Out | 5.81 | |
| | | *For >250 To 500, Deduct* | *-0.29* | |
| | | *For >500 To 1,000, Deduct* | *-0.58* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.87* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.16* | |
| | | *For >5,000, Deduct* | *-1.45* | |
| 33 01 30 41-0051 | LF | 8" Diameter Pipe Line Auguring/Rod Out | 6.74 | |
| | | *For >250 To 500, Deduct* | *-0.34* | |
| | | *For >500 To 1,000, Deduct* | *-0.67* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.35* | |
| | | *For >5,000, Deduct* | *-1.69* | |
| 33 01 30 41-0052 | LF | 10" Diameter Pipe Line Auguring/Rod Out | 7.84 | |
| | | *For >250 To 500, Deduct* | *-0.39* | |
| | | *For >500 To 1,000, Deduct* | *-0.78* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.18* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.57* | |
| | | *For >5,000, Deduct* | *-1.96* | |
| 33 01 30 41-0053 | LF | 12" Diameter Pipe Line Auguring/Rod Out | 8.42 | |
| | | *For >250 To 500, Deduct* | *-0.42* | |
| | | *For >500 To 1,000, Deduct* | *-0.84* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.26* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.68* | |
| | | *For >5,000, Deduct* | *-2.11* | |
| 33 01 30 41-0054 | LF | >12" To 16" Diameter Pipe Line Auguring/Rod Out | 9.63 | |
| | | *For >250 To 500, Deduct* | *-0.48* | |
| | | *For >500 To 1,000, Deduct* | *-0.96* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.44* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.93* | |
| | | *For >5,000, Deduct* | *-2.41* | |
| 33 01 30 41-0055 | LF | >16" To 24" Diameter Pipe Line Auguring/Rod Out | 11.82 | |
| | | *For >250 To 500, Deduct* | *-0.59* | |
| | | *For >500 To 1,000, Deduct* | *-1.18* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.77* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.36* | |
| | | *For >5,000, Deduct* | *-2.96* | |
| 33 01 30 41-0056 | LF | >24" To 30" Diameter Pipe Line Auguring/Rod Out | 13.22 | |
| | | *For >250 To 500, Deduct* | *-0.66* | |
| | | *For >500 To 1,000, Deduct* | *-1.32* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.98* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.64* | |
| | | *For >5,000, Deduct* | *-3.31* | |
| 33 01 30 41-0057 | LF | >30" To 42" Diameter Pipe Line Auguring/Rod Out | 15.31 | |
| | | *For >250 To 500, Deduct* | *-0.77* | |
| | | *For >500 To 1,000, Deduct* | *-1.53* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.30* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.06* | |
| | | *For >5,000, Deduct* | *-3.83* | |
| 33 01 30 41-0058 | LF | >42 To 60" Diameter Pipe Line Auguring/Rod Out | 21.06 | |
| | | *For >250 To 500, Deduct* | *-1.05* | |
| | | *For >500 To 1,000, Deduct* | *-2.11* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.16* | |
| | | *For >2,000 To 5,000, Deduct* | *-4.21* | |
| | | *For >5,000, Deduct* | *-5.27* | |
| 33 01 30 41-0059 | LF | >60" Diameter Pipe Line Auguring/Rod Out | 22.46 | |
| | | *For >250 To 500, Deduct* | *-1.12* | |
| | | *For >500 To 1,000, Deduct* | *-2.25* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.37* | |
| | | *For >2,000 To 5,000, Deduct* | *-4.49* | |
| | | *For >5,000, Deduct* | *-5.62* | |

## 33 01 30 42 Cleaning of Manholes *(33 01 30)*

### 33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

### 33 01 30 42-0002 Rod Out Structures And Other Hand Operations *(33 01 30 42-0001)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 42-0003 | EA | Rod Out Waste Water Drain | 54.09 | |
| 33 01 30 42-0004 | EA | Rod Out Sewer Catch Basin | 108.18 | |
| 33 01 30 42-0005 | EA | Up To 6" Diameter Pipe, Rod Out Blockage | 21.63 | |
| 33 01 30 42-0006 | EA | 8" Diameter Pipe, Rod Out Blockage | 23.80 | |
| 33 01 30 42-0007 | EA | 10" Diameter Pipe, Rod Out Blockage | 27.05 | |
| 33 01 30 42-0008 | EA | 12" Diameter Pipe, Rod Out Blockage | 31.37 | |
| 33 01 30 42-0009 | EA | >12" To 16" Diameter Pipe, Rod Out Blockage | 36.78 | |
| 33 01 30 42-0010 | EA | >16" To 24" Diameter Pipe, Rod Out Blockage | 43.27 | |
| 33 01 30 42-0011 | EA | >24" To 30" Diameter Pipe, Rod Out Blockage | 50.85 | |
| 33 01 30 42-0012 | EA | >30" To 42" Diameter Pipe, Rod Out Blockage | 58.41 | |
| 33 01 30 42-0013 | EA | >42" To 60" Diameter Pipe, Rod Out Blockage | 68.15 | |
| 33 01 30 42-0014 | EA | >60" Diameter Pipe, Rod Out Blockage | 81.13 | |
| 33 01 30 42-0015 | EA | Clean Out Debris From Entrance To Inlet Structure | 270.45 | |
| 33 01 30 42-0016 | EA | 3' To 4' Diameter, Clean Out Blocked Manhole By Hand | 996.07 | |
| | | *For >10 To 100, Deduct* | *-149.41* | |
| | | *For >100 To 250, Deduct* | *-224.12* | |
| | | *For >250, Deduct* | *-298.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 42-0017 | EA | 5' To 6' Diameter, Clean Out Blocked Manhole By Hand | 1,195.28 | |
| | | *For >10 To 100, Deduct* | *-179.29* | |
| | | *For >100 To 250, Deduct* | *-268.94* | |
| | | *For >250, Deduct* | *-358.58* | |
| 33 01 30 42-0018 | EA | Clean Out Blocked Catch Basin By Hand | 597.64 | |
| | | *For >10 To 100, Deduct* | *-89.65* | |
| | | *For >100 To 250, Deduct* | *-134.47* | |
| | | *For >250, Deduct* | *-179.29* | |

### 33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum *(33 01 30 42-0001)*

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

| | | | | |
|---|---|---|---|---|
| 33 01 30 42-0020 | EA | Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes | 294.77 | |
| 33 01 30 42-0021 | EA | Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes | 274.12 | |
| 33 01 30 42-0022 | EA | Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes | 253.47 | |
| 33 01 30 42-0023 | EA | Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes | 232.81 | |
| 33 01 30 42-0024 | EA | Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes | 212.16 | |
| 33 01 30 42-0025 | EA | Jet/Vacuum Clean >250 Catch Basins Or Manholes | 191.51 | |

## 33 01 30 43 Removal of Protruding Service Connection *(33 01 30)*

### 33 01 30 43-0001 Trim Protruding Service Taps *(33 01 30 43)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 43-0002 | EA | Trim Protruding Service Tap, 4", Robotic | 737.17 | |
| 33 01 30 43-0003 | EA | Trim Protruding Service Tap, 6", Robotic | 810.88 | |
| 33 01 30 43-0004 | EA | Trim Protruding Service Tap, 8", Robotic | 884.60 | |

## 33 01 30 51 Maintenance of Utilities *(33 01 30)*

### 33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.

### 33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

| | | | | |
|---|---|---|---|---|
| 33 01 30 51-0003 | EA | 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 128.36 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *20.64* | |
| 33 01 30 51-0004 | EA | 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 182.05 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *31.10* | |
| 33 01 30 51-0005 | EA | 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 210.18 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *36.63* | |
| 33 01 30 51-0006 | EA | 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 239.39 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *42.14* | |
| 33 01 30 51-0007 | EA | 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 138.42 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *22.41* | |
| 33 01 30 51-0008 | EA | 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 193.47 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *33.19* | |
| 33 01 30 51-0009 | EA | 2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 221.62 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *38.59* | |
| 33 01 30 51-0010 | EA | 2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 256.00 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *45.15* | |
| 33 01 30 51-0011 | EA | 3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 148.76 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *24.52* | |
| 33 01 30 51-0012 | EA | 3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 201.20 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *34.70* | |
| 33 01 30 51-0013 | EA | 3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 232.49 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *40.68* | |
| 33 01 30 51-0014 | EA | 3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 270.87 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *48.30* | |
| 33 01 30 51-0015 | EA | 4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 167.55 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *27.88* | |
| 33 01 30 51-0016 | EA | 4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 221.15 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *37.53* | |
| 33 01 30 51-0017 | EA | 4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 268.15 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *45.68* | |
| 33 01 30 51-0018 | EA | 4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 323.04 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *55.11* | |
| 33 01 30 51-0019 | EA | 4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 421.95 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *74.02* | |
| 33 01 30 51-0020 | EA | 4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 524.76 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *92.93* | |
| 33 01 30 51-0021 | EA | 4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 640.07 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *113.99* | |
| 33 01 30 51-0022 | EA | 6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 196.94 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *32.90* | |
| 33 01 30 51-0023 | EA | 6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 261.40 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *44.63* | |
| 33 01 30 51-0024 | EA | 6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 309.65 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *52.62* | |
| 33 01 30 51-0025 | EA | 6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | 362.89 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *61.15* | |


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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 33 01 30 51-0026 | EA | 6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 501.68 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *88.61* | |
| 33 01 30 51-0027 | EA | 6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 609.93 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *108.06* | |
| 33 01 30 51-0028 | EA | 6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 728.49 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *129.12* | |
| 33 01 30 51-0029 | EA | 8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 257.36 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *39.36* | |
| 33 01 30 51-0030 | EA | 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 334.23 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *52.08* | |
| 33 01 30 51-0031 | EA | 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 403.37 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *63.02* | |
| 33 01 30 51-0032 | EA | 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 481.75 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *75.10* | |
| 33 01 30 51-0033 | EA | 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 638.84 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *104.04* | |
| 33 01 30 51-0034 | EA | 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 764.07 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *124.41* | |
| 33 01 30 51-0035 | EA | 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 905.07 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *146.43* | |
| 33 01 30 51-0036 | EA | 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 300.98 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *47.90* | |
| 33 01 30 51-0037 | EA | 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 403.97 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *66.26* | |
| 33 01 30 51-0038 | EA | 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 475.89 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *77.47* | |
| 33 01 30 51-0039 | EA | 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 583.71 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *95.82* | |
| 33 01 30 51-0040 | EA | 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 765.59 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *129.97* | |
| 33 01 30 51-0041 | EA | 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 871.97 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *145.27* | |
| 33 01 30 51-0042 | EA | 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 1,121.08 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *191.65* | |
| 33 01 30 51-0043 | EA | 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 342.71 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *54.03* | |
| 33 01 30 51-0044 | EA | 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 447.18 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *71.86* | |
| 33 01 30 51-0045 | EA | 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 539.76 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *86.96* | |
| 33 01 30 51-0046 | EA | 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 663.83 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *108.06* | |
| 33 01 30 51-0047 | EA | 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 853.37 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *142.72* | |
| 33 01 30 51-0048 | EA | 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 1,003.83 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *166.67* | |
| 33 01 30 51-0049 | EA | 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) | | 1,274.82 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *216.11* | |

## 33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

| | | | | | |
|---|---|---|---|---|---|
| 33 01 30 51-0051 | EA | 14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | | 758.05 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *207.89* | |
| 33 01 30 51-0052 | EA | 14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | | 1,073.81 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *300.12* | |
| 33 01 30 51-0053 | EA | 14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | | 1,445.51 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *407.00* | |
| 33 01 30 51-0054 | EA | 14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | | 2,127.05 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *613.43* | |
| 33 01 30 51-0055 | EA | 15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | | 795.68 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *218.12* | |
| 33 01 30 51-0056 | EA | 15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | | 1,124.11 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *314.03* | |
| 33 01 30 51-0057 | EA | 15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | | 1,509.56 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *424.56* | |
| 33 01 30 51-0058 | EA | 15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | | 2,229.82 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *642.70* | |
| 33 01 30 51-0059 | EA | 15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | | 816.17 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *222.53* | |
| 33 01 30 51-0060 | EA | 15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | | 1,151.05 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *319.90* | |
| 33 01 30 51-0061 | EA | 15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | | 1,549.43 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | | *434.08* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 51-0062 | EA | 15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 2,286.87 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *656.60* | |
| 33 01 30 51-0063 | EA | 16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 837.71 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *226.92* | |
| 33 01 30 51-0064 | EA | 16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 1,181.75 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *326.48* | |
| 33 01 30 51-0065 | EA | 16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 1,588.19 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *442.13* | |
| 33 01 30 51-0066 | EA | 16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 2,343.98 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *669.79* | |
| 33 01 30 51-0067 | EA | 17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 857.13 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *230.58* | |
| 33 01 30 51-0068 | EA | 17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 1,208.11 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *331.60* | |
| 33 01 30 51-0069 | EA | 17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 1,626.94 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *450.18* | |
| 33 01 30 51-0070 | EA | 17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 2,395.70 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *680.76* | |
| 33 01 30 51-0071 | EA | 17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 875.45 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *234.25* | |
| 33 01 30 51-0072 | EA | 17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 1,235.05 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *337.45* | |
| 33 01 30 51-0073 | EA | 17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 1,661.44 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *457.50* | |
| 33 01 30 51-0074 | EA | 17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 2,429.04 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *686.25* | |
| 33 01 30 51-0075 | EA | 18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 896.40 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *238.81* | |
| 33 01 30 51-0076 | EA | 18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 1,266.81 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *344.77* | |
| 33 01 30 51-0077 | EA | 18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 1,698.02 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *465.55* | |
| 33 01 30 51-0078 | EA | 18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) | 2,502.30 | |
| | | *For Stainless Steel Nuts And Bolts, Add* | *705.65* | |

## 33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

## 33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 88.

## 33 01 30 51-0081 Copper Compression Repair Couplings *(33 01 30 51-0080)*

| | | | |
|---|---|---|---|
| 33 01 30 51-0082 | EA | 1/2" Copper Compression Repair Coupling | 86.81 |
| 33 01 30 51-0083 | EA | 3/4" Copper Compression Repair Coupling | 100.89 |
| 33 01 30 51-0084 | EA | 1" Copper Compression Repair Coupling | 118.64 |
| 33 01 30 51-0085 | EA | 1-1/4" Copper Compression Repair Coupling | 133.38 |
| 33 01 30 51-0086 | EA | 1-1/2" Copper Compression Repair Coupling | 207.40 |

## 33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*

| | | | |
|---|---|---|---|
| 33 01 30 51-0088 | EA | 1/2" Copper Compression Repair 90 Degree Elbow | 104.86 |
| 33 01 30 51-0089 | EA | 1" Copper Compression Repair 90 Degree Elbow | 121.22 |
| 33 01 30 51-0090 | EA | 1-1/2" Copper Compression Repair 90 Degree Elbow | 248.43 |
| 33 01 30 51-0091 | EA | 1" IPS x 1" CTS 90 Degree Plain End Street Elbow | 97.05 |
| 33 01 30 51-0092 | EA | 3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow | 87.37 |
| 33 01 30 51-0093 | EA | 1" IPS x 1" CTS 90 Degree Threaded End Street Elbow | 102.28 |
| 33 01 30 51-0094 | EA | 1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow | 126.86 |

## 33 01 30 51-0095 Copper Compression Repair Fitting, Tees *(33 01 30 51-0080)*

| | | | |
|---|---|---|---|
| 33 01 30 51-0096 | EA | 1/2" Copper Compression Repair Tee | 193.26 |
| 33 01 30 51-0097 | EA | 3/4" Copper Compression Repair Tee | 148.12 |
| 33 01 30 51-0098 | EA | 1" Copper Compression Repair Tee | 176.08 |
| 33 01 30 51-0099 | EA | 1" F x 1" M x 1" CTS Street Tee | 144.09 |

## 33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters *(33 01 30 51-0080)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 51-0101 | EA | 3/4" M x 1/2" CTS Male Adapter | 90.90 | |
| 33 01 30 51-0102 | EA | 3/4" M x 3/4" CTS Male Adapter | 72.51 | |
| 33 01 30 51-0103 | EA | 1" M x 1" CTS Male Adapter | 82.32 | |
| 33 01 30 51-0104 | EA | 1-1/4" M x 1" CTS Male Adapter | 99.74 | |
| 33 01 30 51-0105 | EA | 1-1/4" M x 1-1/4" CTS Male Adapter | 120.04 | |
| 33 01 30 51-0106 | EA | 1-1/2" M x 1" CTS Male Adapter | 130.74 | |

## 33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters *(33 01 30 51-0080)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 51-0108 | EA | 3/4" M x 3/4" CTS Female Adapter | 106.79 | |
| 33 01 30 51-0109 | EA | 1" M x 1" CTS Female Adapter | 112.71 | |

## 33 01 30 51-0110 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna S gasket. Dresser style 38

| | | | | |
|---|---|---|---|---|
| 33 01 30 51-0111 | EA | 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket | 72.73 | |
| 33 01 30 51-0112 | EA | 3/4" Coupling, 5" Middle Ring With Buna S Gasket | 89.33 | |
| 33 01 30 51-0113 | EA | 1" Coupling, 5" Middle Ring With Buna S Gasket | 101.75 | |
| 33 01 30 51-0114 | EA | 1-1/2" Coupling, 5" Middle Ring With Buna S Gasket | 120.20 | |
| 33 01 30 51-0115 | EA | 2" Coupling, 4" Middle Ring With Buna S Gasket | 148.69 | |
| 33 01 30 51-0116 | EA | 2" Coupling, 5" Middle Ring With Buna S Gasket | 202.20 | |
| 33 01 30 51-0117 | EA | 2" Coupling, 7" Middle Ring With Buna S Gasket | 188.88 | |
| 33 01 30 51-0118 | EA | 3" Coupling, 4" Middle Ring With Buna S Gasket | 244.85 | |
| 33 01 30 51-0119 | EA | 3" Coupling, 5" Middle Ring With Buna S Gasket | 252.91 | |
| 33 01 30 51-0120 | EA | 3" Coupling, 7" Middle Ring With Buna S Gasket | 260.97 | |
| 33 01 30 51-0121 | EA | 4" Coupling, 4" Middle Ring With Buna S Gasket | 281.21 | |
| 33 01 30 51-0122 | EA | 4" Coupling, 5" Middle Ring With Buna S Gasket | 294.89 | |
| 33 01 30 51-0123 | EA | 4" Coupling, 7" Middle Ring With Buna S Gasket | 312.03 | |
| 33 01 30 51-0124 | EA | 5" Coupling, 4" Middle Ring With Buna S Gasket | 366.65 | |
| 33 01 30 51-0125 | EA | 5" Coupling, 5" Middle Ring With Buna S Gasket | 372.05 | |
| 33 01 30 51-0126 | EA | 5" Coupling, 7" Middle Ring With Buna S Gasket | 391.71 | |
| 33 01 30 51-0127 | EA | 6" Coupling, 4" Middle Ring With Buna S Gasket | 388.39 | |
| 33 01 30 51-0128 | EA | 6" Coupling, 5" Middle Ring With Buna S Gasket | 403.00 | |
| 33 01 30 51-0129 | EA | 6" Coupling, 7" Middle Ring With Buna S Gasket | 421.65 | |
| 33 01 30 51-0130 | EA | 8" Coupling, 4" Middle Ring With Buna S Gasket | 452.69 | |
| 33 01 30 51-0131 | EA | 8" Coupling, 5" Middle Ring With Buna S Gasket | 474.28 | |
| 33 01 30 51-0132 | EA | 8" Coupling, 7" Middle Ring With Buna S Gasket | 492.01 | |
| 33 01 30 51-0133 | EA | 10" Coupling, 5" Middle Ring With Buna S Gasket | 562.48 | |
| 33 01 30 51-0134 | EA | 10" Coupling, 7" Middle Ring With Buna S Gasket | 664.43 | |
| 33 01 30 51-0135 | EA | 12" Coupling, 5" Middle Ring With Buna S Gasket | 639.61 | |
| 33 01 30 51-0136 | EA | 12" Coupling, 7" Middle Ring With Buna S Gasket | 855.72 | |
| 33 01 30 51-0137 | EA | 14" Coupling, 7" Middle Ring With Buna S Gasket | 992.95 | |
| 33 01 30 51-0138 | EA | 16" Coupling, 7" Middle Ring With Buna S Gasket | 1,193.97 | |
| 33 01 30 51-0139 | EA | 18" Coupling, 7" Middle Ring With Buna S Gasket | 1,314.95 | |
| 33 01 30 51-0140 | EA | 20" Coupling, 7" Middle Ring With Buna S Gasket | 1,419.83 | |
| 33 01 30 51-0141 | EA | 22" Coupling, 7" Middle Ring With Buna S Gasket | 1,794.68 | |
| 33 01 30 51-0142 | EA | 24" Coupling, 7" Middle Ring With Buna S Gasket | 1,887.47 | |

## 33 01 30 51-0143 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna S gasket, protected. Dresser style 38.

| | | | | |
|---|---|---|---|---|
| 33 01 30 51-0144 | EA | 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected | 75.04 | |
| 33 01 30 51-0145 | EA | 3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected | 89.01 | |
| 33 01 30 51-0146 | EA | 1" Coupling, 5" Middle Ring With Buna S Gasket, Protected | 101.61 | |
| 33 01 30 51-0147 | EA | 1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected | 119.13 | |
| 33 01 30 51-0148 | EA | 2" Coupling, 4" Middle Ring With Buna S Gasket, Protected | 179.43 | |
| 33 01 30 51-0149 | EA | 2" Coupling, 5" Middle Ring With Buna S Gasket, Protected | 175.20 | |
| 33 01 30 51-0150 | EA | 2" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 177.32 | |
| 33 01 30 51-0151 | EA | 3" Coupling, 4" Middle Ring With Buna S Gasket, Protected | 260.97 | |
| 33 01 30 51-0152 | EA | 3" Coupling, 5" Middle Ring With Buna S Gasket, Protected | 269.03 | |
| 33 01 30 51-0153 | EA | 3" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 277.09 | |
| 33 01 30 51-0154 | EA | 4" Coupling, 4" Middle Ring With Buna S Gasket, Protected | 303.17 | |
| 33 01 30 51-0155 | EA | 4" Coupling, 5" Middle Ring With Buna S Gasket, Protected | 288.96 | |
| 33 01 30 51-0156 | EA | 4" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 296.44 | |
| 33 01 30 51-0157 | EA | 5" Coupling, 4" Middle Ring With Buna S Gasket, Protected | 394.94 | |
| 33 01 30 51-0158 | EA | 5" Coupling, 5" Middle Ring With Buna S Gasket, Protected | 398.88 | |
| 33 01 30 51-0159 | EA | 5" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 581.70 | |
| 33 01 30 51-0160 | EA | 6" Coupling, 4" Middle Ring With Buna S Gasket, Protected | 397.03 | |
| 33 01 30 51-0161 | EA | 6" Coupling, 5" Middle Ring With Buna S Gasket, Protected | 418.01 | |
| 33 01 30 51-0162 | EA | 6" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 426.11 | |
| 33 01 30 51-0163 | EA | 8" Coupling, 4" Middle Ring With Buna S Gasket, Protected | 499.57 | |
| 33 01 30 51-0164 | EA | 8" Coupling, 5" Middle Ring With Buna S Gasket, Protected | 507.53 | |
| 33 01 30 51-0165 | EA | 8" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 520.36 | |
| 33 01 30 51-0166 | EA | 10" Coupling, 5" Middle Ring With Buna S Gasket, Protected | 581.83 | |
| 33 01 30 51-0167 | EA | 10" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 684.58 | |
| 33 01 30 51-0168 | EA | 12" Coupling, 5" Middle Ring With Buna S Gasket, Protected | 659.76 | |
| 33 01 30 51-0169 | EA | 12" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 875.43 | |
| 33 01 30 51-0170 | EA | 14" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 1,013.10 | |
| 33 01 30 51-0171 | EA | 16" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 1,224.19 | |
| 33 01 30 51-0172 | EA | 18" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 1,355.25 | |
| 33 01 30 51-0173 | EA | 20" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 1,460.12 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 51-0174 | EA | 22" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 1,834.98 | |
| 33 01 30 51-0175 | EA | 24" Coupling, 7" Middle Ring With Buna S Gasket, Protected | 1,927.76 | |
| **33 01 30 51-0176** | | **Couplings For Steel Pipe** *(33 01 30 51-0079)* | | |
| | | Note: Includes Buna N gasket, protected. Dresser style 38. | | |
| 33 01 30 51-0177 | EA | 1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected | 89.37 | |
| 33 01 30 51-0178 | EA | 3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected | 103.59 | |
| 33 01 30 51-0179 | EA | 1" Coupling, 5" Middle Ring With Buna N Gasket, Protected | 118.72 | |
| 33 01 30 51-0180 | EA | 1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected | 141.35 | |
| 33 01 30 51-0181 | EA | 2" Coupling, 4" Middle Ring With Buna N Gasket, Protected | 179.43 | |
| 33 01 30 51-0182 | EA | 2" Coupling, 5" Middle Ring With Buna N Gasket, Protected | 215.42 | |
| 33 01 30 51-0183 | EA | 2" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 227.39 | |
| 33 01 30 51-0184 | EA | 3" Coupling, 4" Middle Ring With Buna N Gasket, Protected | 260.97 | |
| 33 01 30 51-0185 | EA | 3" Coupling, 5" Middle Ring With Buna N Gasket, Protected | 269.03 | |
| 33 01 30 51-0186 | EA | 3" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 277.09 | |
| 33 01 30 51-0187 | EA | 4" Coupling, 4" Middle Ring With Buna N Gasket, Protected | 303.17 | |
| 33 01 30 51-0188 | EA | 4" Coupling, 5" Middle Ring With Buna N Gasket, Protected | 331.90 | |
| 33 01 30 51-0189 | EA | 4" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 342.82 | |
| 33 01 30 51-0190 | EA | 5" Coupling, 4" Middle Ring With Buna N Gasket, Protected | 394.94 | |
| 33 01 30 51-0191 | EA | 5" Coupling, 5" Middle Ring With Buna N Gasket, Protected | 398.88 | |
| 33 01 30 51-0192 | EA | 5" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 445.02 | |
| 33 01 30 51-0193 | EA | 6" Coupling, 4" Middle Ring With Buna N Gasket, Protected | 397.03 | |
| 33 01 30 51-0194 | EA | 6" Coupling, 5" Middle Ring With Buna N Gasket, Protected | 418.01 | |
| 33 01 30 51-0195 | EA | 6" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 426.11 | |
| 33 01 30 51-0196 | EA | 8" Coupling, 4" Middle Ring With Buna N Gasket, Protected | 499.57 | |
| 33 01 30 51-0197 | EA | 8" Coupling, 5" Middle Ring With Buna N Gasket, Protected | 507.53 | |
| 33 01 30 51-0198 | EA | 8" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 520.36 | |
| 33 01 30 51-0199 | EA | 10" Coupling, 5" Middle Ring With Buna N Gasket, Protected | 581.83 | |
| 33 01 30 51-0200 | EA | 10" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 684.58 | |
| 33 01 30 51-0201 | EA | 12" Coupling, 5" Middle Ring With Buna N Gasket, Protected | 659.76 | |
| 33 01 30 51-0202 | EA | 12" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 875.43 | |
| 33 01 30 51-0203 | EA | 14" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 1,013.10 | |
| 33 01 30 51-0204 | EA | 16" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 1,193.97 | |
| 33 01 30 51-0205 | EA | 18" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 1,355.25 | |
| 33 01 30 51-0206 | EA | 20" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 1,460.12 | |
| 33 01 30 51-0207 | EA | 22" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 1,834.98 | |
| 33 01 30 51-0208 | EA | 24" Coupling, 7" Middle Ring With Buna N Gasket, Protected | 1,927.76 | |
| **33 01 30 51-0209** | | **Couplings For Steel Pipe** *(33 01 30 51-0079)* | | |
| | | Note: Includes high temperature carded glass gasket, protected. Dresser style 38. | | |
| 33 01 30 51-0210 | EA | 3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket | 154.15 | |
| 33 01 30 51-0211 | EA | 1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket | 164.94 | |
| 33 01 30 51-0212 | EA | 1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket | 169.54 | |
| 33 01 30 51-0213 | EA | 2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket | 264.66 | |
| 33 01 30 51-0214 | EA | 2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket | 286.70 | |
| 33 01 30 51-0215 | EA | 2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 297.93 | |
| 33 01 30 51-0216 | EA | 3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket | 338.64 | |
| 33 01 30 51-0217 | EA | 3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 336.10 | |
| 33 01 30 51-0218 | EA | 4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket | 372.20 | |
| 33 01 30 51-0219 | EA | 4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 383.12 | |
| 33 01 30 51-0220 | EA | 5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket | 524.00 | |
| 33 01 30 51-0221 | EA | 5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 538.49 | |
| 33 01 30 51-0222 | EA | 6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket | 554.73 | |
| 33 01 30 51-0223 | EA | 6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 564.34 | |
| 33 01 30 51-0224 | EA | 8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket | 568.70 | |
| 33 01 30 51-0225 | EA | 8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket | 712.90 | |
| 33 01 30 51-0226 | EA | 8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 771.71 | |
| 33 01 30 51-0227 | EA | 10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket | 782.48 | |
| 33 01 30 51-0228 | EA | 10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 782.28 | |
| 33 01 30 51-0229 | EA | 12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket | 1,002.96 | |
| 33 01 30 51-0230 | EA | 12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 1,047.25 | |
| 33 01 30 51-0231 | EA | 14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 1,215.47 | |
| 33 01 30 51-0232 | EA | 16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 1,536.13 | |
| 33 01 30 51-0233 | EA | 18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 1,492.26 | |
| 33 01 30 51-0234 | EA | 20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 1,667.65 | |
| 33 01 30 51-0235 | EA | 22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 1,808.79 | |
| 33 01 30 51-0236 | EA | 24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket | 1,968.06 | |
| **33 01 30 51-0237** | | **Couplings And Fittings For Steel Pipe, Cast Body, Compression** *(33 01 30 51-0079)* | | |
| | | Note: Includes gaskets. Dresser style 90. | | |
| **33 01 30 51-0238** | | **Couplings For Steel Pipe, Cast Body (Compression)** *(33 01 30 51-0237)* | | |
| | | Note: Includes gaskets. | | |
| 33 01 30 51-0239 | EA | 1/2" Coupling, Cast Body (Compression), 5" Middle Ring | 75.37 | |
| 33 01 30 51-0240 | EA | 3/4" Coupling, Cast Body (Compression), 5" Middle Ring | 74.84 | |
| 33 01 30 51-0241 | EA | 1" Coupling, Cast Body (Compression), 5" Middle Ring | 83.90 | |
| 33 01 30 51-0242 | EA | 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring | 93.06 | |
| 33 01 30 51-0243 | EA | 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring | 114.85 | |
| 33 01 30 51-0244 | EA | 2" Coupling, Cast Body (Compression), 5" Middle Ring | 139.99 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 51-0245 | EA | 1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket | 77.68 | |
| 33 01 30 51-0246 | EA | 3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket | 77.40 | |
| 33 01 30 51-0247 | EA | 1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket | 84.28 | |
| 33 01 30 51-0248 | EA | 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket | 94.25 | |
| 33 01 30 51-0249 | EA | 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket | 118.74 | |
| 33 01 30 51-0250 | EA | 2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket | 141.71 | |
| 33 01 30 51-0251 | EA | 3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket | 154.39 | |
| 33 01 30 51-0252 | EA | 1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket | 180.65 | |
| 33 01 30 51-0253 | EA | 1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket | 186.79 | |
| 33 01 30 51-0254 | EA | 1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket | 208.38 | |
| 33 01 30 51-0255 | EA | 2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket | 253.85 | |

### 33 01 30 51-0256 Reducing Couplings For Steel Pipe (Compression) *(33 01 30 51-0237)*

Note: Includes armored gaskets.

| | | | | |
|---|---|---|---|---|
| 33 01 30 51-0257 | EA | 3/4" x 1/2" Reducing Coupling (Compression) | 82.58 | |
| 33 01 30 51-0258 | EA | 1" x 3/4" Reducing Coupling (Compression) | 86.42 | |
| 33 01 30 51-0259 | EA | 1-1/4" x 3/4" Reducing Coupling (Compression) | 97.29 | |
| 33 01 30 51-0260 | EA | 1-1/4" x 1" Reducing Coupling (Compression) | 101.56 | |
| 33 01 30 51-0261 | EA | 1-1/2" x 3/4" Reducing Coupling (Compression) | 204.10 | |
| 33 01 30 51-0262 | EA | 1-1/2" x 1" Reducing Coupling (Compression) | 121.48 | |
| 33 01 30 51-0263 | EA | 1-1/2" x 1-1/4" Reducing Coupling (Compression) | 122.08 | |
| 33 01 30 51-0264 | EA | 2" x 3/4" Reducing Coupling (Compression) | 243.68 | |
| 33 01 30 51-0265 | EA | 2" x 1" Reducing Coupling (Compression) | 219.94 | |
| 33 01 30 51-0266 | EA | 2" x 1-1/4" Reducing Coupling (Compression) | 163.47 | |
| 33 01 30 51-0267 | EA | 2" x 1-1/2" Reducing Coupling (Compression) | 162.84 | |

### 33 01 30 51-0268 Steel Compression Repair Fittings, Elbows *(33 01 30 51-0237)*

Note: Includes armored gaskets.

| | | | | |
|---|---|---|---|---|
| 33 01 30 51-0269 | EA | 1" 45 Degree Elbow (Compression) | 140.90 | |
| 33 01 30 51-0270 | EA | 1-1/4" 45 Degree Elbow (Compression) | 145.70 | |
| 33 01 30 51-0271 | EA | 1-1/2" 45 Degree Elbow (Compression) | 188.75 | |
| 33 01 30 51-0272 | EA | 2" 45 Degree Elbow (Compression) | 239.24 | |
| 33 01 30 51-0273 | EA | 3/4" 90 Degree Elbow (Compression) | 92.43 | |
| 33 01 30 51-0274 | EA | 1" 90 Degree Elbow (Compression) | 94.66 | |
| 33 01 30 51-0275 | EA | 1-1/4" 90 Degree Elbow (Compression) | 111.17 | |
| 33 01 30 51-0276 | EA | 1-1/2" 90 Degree Elbow (Compression) | 160.75 | |
| 33 01 30 51-0277 | EA | 2" 90 Degree Elbow (Compression) | 174.49 | |
| 33 01 30 51-0278 | EA | 3/4" Plain End 90 Degree Street Elbow (Compression) | 92.75 | |
| 33 01 30 51-0279 | EA | 1" Plain End 90 Degree Street Elbow (Compression) | 79.27 | |
| 33 01 30 51-0280 | EA | 1-1/4" Plain End 90 Degree Street Elbow (Compression) | 89.39 | |
| 33 01 30 51-0281 | EA | 1-1/2" Plain End 90 Degree Street Elbow (Compression) | 113.26 | |
| 33 01 30 51-0282 | EA | 2" Plain End 90 Degree Street Elbow (Compression) | 147.63 | |
| 33 01 30 51-0283 | EA | 3/4" Threaded End 90 Degree Street Elbow (Compression) | 96.10 | |
| 33 01 30 51-0284 | EA | 1" Threaded End 90 Degree Street Elbow (Compression) | 85.53 | |
| 33 01 30 51-0285 | EA | 1-1/4" Threaded End 90 Degree Street Elbow (Compression) | 112.66 | |
| 33 01 30 51-0286 | EA | 1-1/2" Threaded End 90 Degree Street Elbow (Compression) | 135.46 | |
| 33 01 30 51-0287 | EA | 2" Threaded End 90 Degree Street Elbow (Compression) | 195.12 | |

### 33 01 30 51-0288 Steel Compression Repair Fittings, Tees *(33 01 30 51-0237)*

Note: Includes armored gaskets.

| | | | | |
|---|---|---|---|---|
| 33 01 30 51-0289 | EA | 3/4" Street Tee (Compression) | 98.27 | |
| 33 01 30 51-0290 | EA | 1" Street Tee (Compression) | 115.81 | |
| 33 01 30 51-0291 | EA | 1-1/4" Street Tee (Compression) | 115.07 | |
| 33 01 30 51-0292 | EA | 1-1/2" Street Tee (Compression) | 131.24 | |
| 33 01 30 51-0293 | EA | 2" Street Tee (Compression) | 205.21 | |
| 33 01 30 51-0294 | EA | 1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression) | 113.86 | |
| 33 01 30 51-0295 | EA | 1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression) | 119.93 | |
| 33 01 30 51-0296 | EA | 1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression) | 150.24 | |
| 33 01 30 51-0297 | EA | 1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression) | 177.64 | |
| 33 01 30 51-0298 | EA | 1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression) | 178.85 | |
| 33 01 30 51-0299 | EA | 1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression) | 147.66 | |
| 33 01 30 51-0300 | EA | 2" x 1-1/4" x 2" Reducing Street Tee (Compression) | 199.28 | |
| 33 01 30 51-0301 | EA | 2" x 1-1/2" x 2" Reducing Street Tee (Compression) | 229.73 | |
| 33 01 30 51-0302 | EA | 3/4" Welding Street Tee (Compression) | 189.60 | |
| 33 01 30 51-0303 | EA | 1" Welding Street Tee (Compression) | 188.10 | |
| 33 01 30 51-0304 | EA | 1-1/4" Welding Street Tee (Compression) | 200.74 | |
| 33 01 30 51-0305 | EA | 1-1/2" Welding Street Tee (Compression) | 240.83 | |
| 33 01 30 51-0306 | EA | 2" Welding Street Tee (Compression) | 327.44 | |
| 33 01 30 51-0307 | EA | 3/4" Regular Tee (Compression) | 136.47 | |
| 33 01 30 51-0308 | EA | 1" Regular Tee (Compression) | 246.06 | |
| 33 01 30 51-0309 | EA | 1-1/4" Regular Tee (Compression) | 258.58 | |
| 33 01 30 51-0310 | EA | 1-1/2" Regular Tee (Compression) | 274.75 | |
| 33 01 30 51-0311 | EA | 2" Regular Tee (Compression) | 302.78 | |
| 33 01 30 51-0312 | EA | 2" x 2" x 1-1/4" Regular Reducing Tee (Compression) | 297.91 | |

### 33 01 30 51-0313 Steel Compression Repair Fittings, Male Adapters *(33 01 30 51-0237)*

Note: Includes armored gaskets.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 51-0314 | EA | 3/4" Male Adapter (Compression) | 92.15 | |
| 33 01 30 51-0315 | EA | 1" Male Adapter (Compression) | 102.25 | |
| 33 01 30 51-0316 | EA | 1-1/4" Male Adapter (Compression) | 134.90 | |
| 33 01 30 51-0317 | EA | 1-1/2" Male Adapter (Compression) | 151.01 | |
| 33 01 30 51-0318 | EA | 2" Male Adapter (Compression) | 169.39 | |
| 33 01 30 51-0319 | EA | 1" x 1-1/4" Male Adapter (Compression) | 134.12 | |
| 33 01 30 51-0320 | | Steel Compression Repair Fittings, Line Caps *(33 01 30 51-0237)* | | |
| | | Note: Includes armored gaskets. | | |
| 33 01 30 51-0321 | EA | 3/4" Line Caps (Compression) | 49.82 | |
| 33 01 30 51-0322 | EA | 1" Line Caps (Compression) | 58.00 | |
| 33 01 30 51-0323 | EA | 1-1/4" Line Caps (Compression) | 66.31 | |
| 33 01 30 51-0324 | EA | 1-1/2" Line Caps (Compression) | 77.62 | |
| 33 01 30 51-0325 | EA | 2" Line Caps (Compression) | 96.10 | |
| 33 01 30 51-0326 | | Grind Offset Joint *(33 01 30 51-0001)* | | |
| 33 01 30 51-0327 | EA | 6" To 10", Grind Drop Offset Joint | 442.30 | |
| 33 01 30 51-0328 | EA | >10" To 15", Grind Drop Offset Joint | 589.73 | |
| 33 01 30 51-0329 | EA | >15" To 24", Grind Drop Offset Joint | 737.17 | |
| 33 01 30 51-0330 | EA | >24" To 30", Grind Drop Offset Joint | 884.60 | |
| 33 01 30 51-0331 | | Pipe Plugging *(33 01 30 51-0001)* | | |
| 33 01 30 51-0332 | | Gravity Bladder Type, Temporary Pipe Plugging *(33 01 30 51-0331)* | | |
| | | Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal. | | |
| 33 01 30 51-0333 | EA | 3/4" Bladder Type, Temporary Pipe Plug | 82.77 | |
| 33 01 30 51-0334 | EA | 1" Bladder Type, Temporary Pipe Plug | 88.51 | |
| 33 01 30 51-0335 | EA | 1-1/4" Bladder Type, Temporary Pipe Plug | 95.30 | |
| 33 01 30 51-0336 | EA | 1-1/2" Bladder Type, Temporary Pipe Plug | 101.68 | |
| 33 01 30 51-0337 | EA | 2" Bladder Type, Temporary Pipe Plug | 107.83 | |
| 33 01 30 51-0338 | EA | 2-1/2" Bladder Type, Temporary Pipe Plug | 114.61 | |
| 33 01 30 51-0339 | EA | 3" Bladder Type, Temporary Pipe Plug | 122.93 | |
| 33 01 30 51-0340 | EA | 4" Bladder Type, Temporary Pipe Plug | 135.14 | |
| 33 01 30 51-0341 | EA | 5" Bladder Type, Temporary Pipe Plug | 146.52 | |
| 33 01 30 51-0342 | EA | 6" Bladder Type, Temporary Pipe Plug | 163.55 | |
| 33 01 30 51-0343 | EA | 8" Bladder Type, Temporary Pipe Plug | 181.49 | |
| 33 01 30 51-0344 | EA | 10" Bladder Type, Temporary Pipe Plug | 210.43 | |
| 33 01 30 51-0345 | EA | 12" Bladder Type, Temporary Pipe Plug | 244.21 | |
| 33 01 30 51-0346 | EA | 14" Bladder Type, Temporary Pipe Plug | 291.02 | |
| 33 01 30 51-0347 | EA | 16" Bladder Type, Temporary Pipe Plug | 350.77 | |
| 33 01 30 51-0348 | EA | 18" Bladder Type, Temporary Pipe Plug | 422.52 | |
| 33 01 30 51-0349 | EA | 20" Bladder Type, Temporary Pipe Plug | 502.08 | |
| 33 01 30 51-0350 | EA | 24" Bladder Type, Temporary Pipe Plug | 579.06 | |
| 33 01 30 51-0351 | | Hydra Stop, Hot Tapping Of Pressure Pipe *(33 01 30 51-0331)* | | |
| | | Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device. | | |
| 33 01 30 51-0352 | EA | 2" Hydra Stop, Line Stopper | 2,867.28 | |
| 33 01 30 51-0353 | EA | 2-1/2" Hydra Stop, Line Stopper | 3,597.90 | |
| 33 01 30 51-0354 | EA | 3" Hydra Stop, Line Stopper | 4,411.28 | |
| 33 01 30 51-0355 | EA | 4" Hydra Stop, Line Stopper | 5,320.68 | |
| 33 01 30 51-0356 | EA | 5" Hydra Stop, Line Stopper | 5,995.53 | |
| 33 01 30 51-0357 | EA | 6" Hydra Stop, Line Stopper | 7,069.34 | |
| 33 01 30 51-0358 | EA | 8" Hydra Stop, Line Stopper | 7,744.21 | |
| 33 01 30 51-0359 | EA | 10" Hydra Stop, Line Stopper | 8,817.97 | |
| 33 01 30 51-0360 | EA | 12" Hydra Stop, Line Stopper | 9,891.78 | |
| 33 01 30 51-0361 | EA | 14" Hydra Stop, Line Stopper | 11,034.54 | |
| 33 01 30 51-0362 | EA | 16" Hydra Stop, Line Stopper | 12,591.24 | |
| 33 01 30 51-0363 | EA | 18" Hydra Stop, Line Stopper | 14,354.86 | |
| 33 01 30 51-0364 | EA | 20" Hydra Stop, Line Stopper | 17,084.10 | |
| 33 01 30 51-0365 | | Aluminum Expansion Plugs *(33 01 30 51-0331)* | | |
| | | Note: For use with PVC, clay Or cast iron drainage pipe. | | |
| 33 01 30 51-0366 | EA | 3" Pipe Aluminum Expansion Plug | 78.57 | |
| 33 01 30 51-0367 | EA | 4" Pipe Aluminum Expansion Plug | 114.09 | |
| 33 01 30 51-0368 | EA | 5" Pipe Aluminum Expansion Plug | 128.69 | |
| 33 01 30 51-0369 | EA | 6" Pipe Aluminum Expansion Plug | 196.82 | |
| 33 01 30 51-0370 | EA | 8" Pipe Aluminum Expansion Plug | 202.12 | |
| 33 01 30 51-0371 | EA | 10" Pipe Aluminum Expansion Plug | 253.49 | |
| 33 01 30 51-0372 | EA | 12" Pipe Aluminum Expansion Plug | 343.97 | |
| 33 01 30 51-0373 | EA | 14" Pipe Aluminum Expansion Plug | 557.81 | |
| 33 01 30 51-0374 | EA | 15" Pipe Aluminum Expansion Plug | 604.35 | |
| 33 01 30 51-0375 | | Pipe Repair Clamp, Stainless Steel, 3" Long *(33 01 30 51-0001)* | | |
| 33 01 30 51-0376 | EA | 1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long | 164.54 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 51-0377 | EA | 3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long | 165.09 | |
| 33 01 30 51-0378 | EA | 1" Diameter Pipe Clamp, Stainless Steel, 3" Long | 166.48 | |
| 33 01 30 51-0379 | EA | 1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long | 167.87 | |
| 33 01 30 51-0380 | EA | 1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long | 168.57 | |
| 33 01 30 51-0381 | EA | 2" Diameter Pipe Clamp, Stainless Steel, 3" Long | 170.65 | |
| 33 01 30 51-0382 | EA | 2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long | 172.74 | |
| 33 01 30 51-0383 | EA | 3" Diameter Pipe Clamp, Stainless Steel, 3" Long | 175.52 | |
| 33 01 30 51-0384 | EA | 4" Diameter Pipe Clamp, Stainless Steel, 3" Long | 302.16 | |
| 33 01 30 51-0385 | EA | 6" Diameter Pipe Clamp, Stainless Steel, 3" Long | 311.19 | |
| 33 01 30 51-0386 | EA | 8" Diameter Pipe Clamp, Stainless Steel, 3" Long | 317.45 | |
| 33 01 30 51-0387 | EA | 10" Diameter Pipe Clamp, Stainless Steel, 3" Long | 383.50 | |
| 33 01 30 51-0388 | EA | 12" Diameter Pipe Clamp, Stainless Steel, 3" Long | 391.84 | |
| 33 01 30 51-0389 | EA | 14" Diameter Pipe Clamp, Stainless Steel, 3" Long | 397.40 | |
| 33 01 30 51-0390 | EA | 16" Diameter Pipe Clamp, Stainless Steel, 3" Long | 405.75 | |
| 33 01 30 51-0391 | EA | 18" Diameter Pipe Clamp, Stainless Steel, 3" Long | 414.09 | |
| 33 01 30 51-0392 | EA | 20" Diameter Pipe Clamp, Stainless Steel, 3" Long | 425.21 | |
| 33 01 30 51-0393 | EA | 24" Diameter Pipe Clamp, Stainless Steel, 3" Long | 444.68 | |
| 33 01 30 51-0394 | | PolySeal Pipe Coupler *(33 01 30 51-0001)* | | |
| 33 01 30 51-0395 | EA | 18" Diameter Pipe, PolySeal Repair Couplers (MarMac) | 342.38 | |
| 33 01 30 51-0396 | EA | 24" Diameter Pipe, PolySeal Repair Couplers (MarMac) | 386.43 | |

## 33 01 30 63 Sewer and Pipe Joint Sealing *(33 01 30)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 63-0001 | | Joint Air Test *(33 01 30 63)* | | |
| 33 01 30 63-0002 | EA | 4" To 8", Joint Air Test | 100.17 | |
| 33 01 30 63-0003 | EA | 10" To 15", Joint Air Test | 116.86 | |
| 33 01 30 63-0004 | EA | >15" To 21", Joint Air Test | 133.55 | |
| 33 01 30 63-0005 | EA | >21" To 24", Joint Air Test | 166.94 | |
| 33 01 30 63-0006 | EA | >24" To 27", Joint Air Test | 200.33 | |
| 33 01 30 63-0007 | EA | >27" To 36", Joint Air Test | 233.72 | |
| 33 01 30 63-0008 | | Joint Seal And Joint Air Retest *(33 01 30 63)*<br>Note: Includes grout. | | |
| 33 01 30 63-0009 | EA | 4" Joint Seal And Joint Air Retest<br>Note: Includes up to 1 gallon of grout. | 304.31 | |
| 33 01 30 63-0010 | EA | 6" Joint Seal And Joint Air Retest<br>Note: Includes 1 gallon of grout. | 337.70 | |
| 33 01 30 63-0011 | EA | 8" Joint Seal And Joint Air Retest<br>Note: Includes 2 gallons of grout. | 408.27 | |
| 33 01 30 63-0012 | EA | 10" Joint Seal And Joint Air Retest<br>Note: Includes 2.5 gallons of grout. | 460.27 | |
| 33 01 30 63-0013 | EA | 12" Joint Seal And Joint Air Retest<br>Note: Includes 3 gallons of grout. | 512.26 | |
| 33 01 30 63-0014 | EA | 15" Joint Seal And Joint Air Retest<br>Note: Includes 3.75 gallons of grout. | 606.94 | |
| 33 01 30 63-0015 | EA | 18" Joint Seal And Joint Air Retest<br>Note: Includes 4.5 gallons of grout. | 701.60 | |
| 33 01 30 63-0016 | EA | 21" Joint Seal And Joint Air Retest<br>Note: Includes 5.25 gallons of grout. | 796.28 | |
| 33 01 30 63-0017 | EA | 24" Joint Seal And Joint Air Retest<br>Note: Includes 6 gallons of grout. | 924.35 | |
| 33 01 30 63-0018 | EA | 27" Joint Seal And Joint Air Retest<br>Note: Includes 6.75 gallons of grout. | 1,052.41 | |
| 33 01 30 63-0019 | EA | 30" Joint Seal And Joint Air Retest<br>Note: Includes 7.5 gallons of grout. | 1,213.85 | |
| 33 01 30 63-0020 | EA | 36" Joint Seal And Joint Air Retest<br>Note: Includes 9 gallons of grout. | 1,403.22 | |
| 33 01 30 63-0021 | GAL | Extra Grout Per Joint<br>Note: For extra grout per joint required over listed amount. | 170.75 | |

## 33 01 30 71 Relining Sewers *(33 01 30)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 71-0001 | | Relining Underground Pipelines *(33 01 30 71)*<br>Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning. | | |
| 33 01 30 71-0002 | | Lining Pipe, Spray Applied With Structural Polyurethane *(33 01 30 71-0001)*<br>Note: Two part structural polyurethane. | | |
| 33 01 30 71-0003 | | Mobilization And Setup For Spray Applied Structural Polyurethane Lining *(33 01 30 71-0002)* | | |
| 33 01 30 71-0004 | EA | Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining | 2,076.12 | |
| 33 01 30 71-0005 | | Lining Pipe, Spray Applied With 100 mil Structural Polyurethane *(33 01 30 71-0002)*<br>Note: Two part structural polyurethane. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 71-0006 | LF | 36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 62.89 | |
| | | *For Up To 75, Add* | *13.70* | |
| | | *For >75 To 150, Add* | *6.29* | |
| | | *For >500 To 1,000, Deduct* | *-1.71* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.30* | |
| | | *For >2,000 To 5,000, Deduct* | *-5.12* | |
| | | *For >5,000, Deduct* | *-7.41* | |
| 33 01 30 71-0007 | LF | 42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 73.35 | |
| | | *For Up To 75, Add* | *15.98* | |
| | | *For >75 To 150, Add* | *7.34* | |
| | | *For >500 To 1,000, Deduct* | *-1.99* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.85* | |
| | | *For >2,000 To 5,000, Deduct* | *-5.97* | |
| | | *For >5,000, Deduct* | *-8.64* | |
| 33 01 30 71-0008 | LF | 48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 83.84 | |
| | | *For Up To 75, Add* | *18.26* | |
| | | *For >75 To 150, Add* | *8.38* | |
| | | *For >500 To 1,000, Deduct* | *-2.27* | |
| | | *For >1,000 To 2,000, Deduct* | *-4.40* | |
| | | *For >2,000 To 5,000, Deduct* | *-6.82* | |
| | | *For >5,000, Deduct* | *-9.88* | |
| 33 01 30 71-0009 | LF | 54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 94.32 | |
| | | *For Up To 75, Add* | *20.54* | |
| | | *For >75 To 150, Add* | *9.43* | |
| | | *For >500 To 1,000, Deduct* | *-2.56* | |
| | | *For >1,000 To 2,000, Deduct* | *-4.95* | |
| | | *For >2,000 To 5,000, Deduct* | *-7.67* | |
| | | *For >5,000, Deduct* | *-11.11* | |
| 33 01 30 71-0010 | LF | 60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 104.81 | |
| | | *For Up To 75, Add* | *22.83* | |
| | | *For >75 To 150, Add* | *10.48* | |
| | | *For >500 To 1,000, Deduct* | *-2.84* | |
| | | *For >1,000 To 2,000, Deduct* | *-5.50* | |
| | | *For >2,000 To 5,000, Deduct* | *-8.53* | |
| | | *For >5,000, Deduct* | *-12.35* | |
| 33 01 30 71-0011 | LF | 66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 115.28 | |
| | | *For Up To 75, Add* | *25.11* | |
| | | *For >75 To 150, Add* | *11.53* | |
| | | *For >500 To 1,000, Deduct* | *-3.13* | |
| | | *For >1,000 To 2,000, Deduct* | *-6.05* | |
| | | *For >2,000 To 5,000, Deduct* | *-9.38* | |
| | | *For >5,000, Deduct* | *-13.58* | |
| 33 01 30 71-0012 | LF | 72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 125.76 | |
| | | *For Up To 75, Add* | *27.39* | |
| | | *For >75 To 150, Add* | *12.58* | |
| | | *For >500 To 1,000, Deduct* | *-3.41* | |
| | | *For >1,000 To 2,000, Deduct* | *-6.60* | |
| | | *For >2,000 To 5,000, Deduct* | *-10.23* | |
| | | *For >5,000, Deduct* | *-14.82* | |
| 33 01 30 71-0013 | LF | 78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 136.24 | |
| | | *For Up To 75, Add* | *29.67* | |
| | | *For >75 To 150, Add* | *13.62* | |
| | | *For >500 To 1,000, Deduct* | *-3.70* | |
| | | *For >1,000 To 2,000, Deduct* | *-7.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-11.09* | |
| | | *For >5,000, Deduct* | *-16.05* | |
| 33 01 30 71-0014 | LF | 84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 146.73 | |
| | | *For Up To 75, Add* | *31.96* | |
| | | *For >75 To 150, Add* | *14.67* | |
| | | *For >500 To 1,000, Deduct* | *-3.98* | |
| | | *For >1,000 To 2,000, Deduct* | *-7.70* | |
| | | *For >2,000 To 5,000, Deduct* | *-11.94* | |
| | | *For >5,000, Deduct* | *-17.29* | |
| 33 01 30 71-0015 | LF | 90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 157.20 | |
| | | *For Up To 75, Add* | *34.24* | |
| | | *For >75 To 150, Add* | *15.72* | |
| | | *For >500 To 1,000, Deduct* | *-4.26* | |
| | | *For >1,000 To 2,000, Deduct* | *-8.25* | |
| | | *For >2,000 To 5,000, Deduct* | *-12.79* | |
| | | *For >5,000, Deduct* | *-18.52* | |
| 33 01 30 71-0016 | LF | 96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 167.68 | |
| | | *For Up To 75, Add* | *36.52* | |
| | | *For >75 To 150, Add* | *16.77* | |
| | | *For >500 To 1,000, Deduct* | *-4.55* | |
| | | *For >1,000 To 2,000, Deduct* | *-8.80* | |
| | | *For >2,000 To 5,000, Deduct* | *-13.64* | |
| | | *For >5,000, Deduct* | *-19.75* | |
| 33 01 30 71-0017 | LF | 102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 178.17 | |
| | | *For Up To 75, Add* | *38.81* | |
| | | *For >75 To 150, Add* | *17.82* | |
| | | *For >500 To 1,000, Deduct* | *-4.83* | |
| | | *For >1,000 To 2,000, Deduct* | *-9.35* | |
| | | *For >2,000 To 5,000, Deduct* | *-14.50* | |
| | | *For >5,000, Deduct* | *-20.99* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 71-0018 | LF | 108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 188.65 | |
| | | *For Up To 75, Add* | *41.09* | |
| | | *For >75 To 150, Add* | *18.87* | |
| | | *For >500 To 1,000, Deduct* | *-5.12* | |
| | | *For >1,000 To 2,000, Deduct* | *-9.90* | |
| | | *For >2,000 To 5,000, Deduct* | *-15.35* | |
| | | *For >5,000, Deduct* | *-22.22* | |
| 33 01 30 71-0019 | LF | 114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 199.13 | |
| | | *For Up To 75, Add* | *43.37* | |
| | | *For >75 To 150, Add* | *19.91* | |
| | | *For >500 To 1,000, Deduct* | *-5.40* | |
| | | *For >1,000 To 2,000, Deduct* | *-10.45* | |
| | | *For >2,000 To 5,000, Deduct* | *-16.20* | |
| | | *For >5,000, Deduct* | *-23.46* | |
| 33 01 30 71-0020 | LF | 120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane | 209.61 | |
| | | *For Up To 75, Add* | *45.65* | |
| | | *For >75 To 150, Add* | *20.96* | |
| | | *For >500 To 1,000, Deduct* | *-5.69* | |
| | | *For >1,000 To 2,000, Deduct* | *-11.00* | |
| | | *For >2,000 To 5,000, Deduct* | *-17.06* | |
| | | *For >5,000, Deduct* | *-24.69* | |
| 33 01 30 71-0021 | SF | Structure Lining, Spray Applied With 100 mil Structural Polyurethane | 6.68 | |

## 33 01 30 71-0022 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

| | | | | |
|---|---|---|---|---|
| 33 01 30 71-0023 | LF | 36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 84.35 | |
| | | *For Up To 75, Add* | *18.05* | |
| | | *For >75 To 150, Add* | *8.44* | |
| | | *For >500 To 1,000, Deduct* | *-2.16* | |
| | | *For >1,000 To 2,000, Deduct* | *-4.20* | |
| | | *For >2,000 To 5,000, Deduct* | *-6.48* | |
| | | *For >5,000, Deduct* | *-9.61* | |
| 33 01 30 71-0024 | LF | 42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 98.39 | |
| | | *For Up To 75, Add* | *21.05* | |
| | | *For >75 To 150, Add* | *9.84* | |
| | | *For >500 To 1,000, Deduct* | *-2.52* | |
| | | *For >1,000 To 2,000, Deduct* | *-4.90* | |
| | | *For >2,000 To 5,000, Deduct* | *-7.55* | |
| | | *For >5,000, Deduct* | *-11.21* | |
| 33 01 30 71-0025 | LF | 48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 112.45 | |
| | | *For Up To 75, Add* | *24.06* | |
| | | *For >75 To 150, Add* | *11.25* | |
| | | *For >500 To 1,000, Deduct* | *-2.88* | |
| | | *For >1,000 To 2,000, Deduct* | *-5.60* | |
| | | *For >2,000 To 5,000, Deduct* | *-8.63* | |
| | | *For >5,000, Deduct* | *-12.82* | |
| 33 01 30 71-0026 | LF | 54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 126.51 | |
| | | *For Up To 75, Add* | *27.07* | |
| | | *For >75 To 150, Add* | *12.65* | |
| | | *For >500 To 1,000, Deduct* | *-3.24* | |
| | | *For >1,000 To 2,000, Deduct* | *-6.30* | |
| | | *For >2,000 To 5,000, Deduct* | *-9.71* | |
| | | *For >5,000, Deduct* | *-14.42* | |
| 33 01 30 71-0027 | LF | 60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 140.57 | |
| | | *For Up To 75, Add* | *30.08* | |
| | | *For >75 To 150, Add* | *14.06* | |
| | | *For >500 To 1,000, Deduct* | *-3.60* | |
| | | *For >1,000 To 2,000, Deduct* | *-7.00* | |
| | | *For >2,000 To 5,000, Deduct* | *-10.79* | |
| | | *For >5,000, Deduct* | *-16.02* | |
| 33 01 30 71-0028 | LF | 66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 154.62 | |
| | | *For Up To 75, Add* | *33.08* | |
| | | *For >75 To 150, Add* | *15.46* | |
| | | *For >500 To 1,000, Deduct* | *-3.96* | |
| | | *For >1,000 To 2,000, Deduct* | *-7.70* | |
| | | *For >2,000 To 5,000, Deduct* | *-11.87* | |
| | | *For >5,000, Deduct* | *-17.62* | |
| 33 01 30 71-0029 | LF | 72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 168.69 | |
| | | *For Up To 75, Add* | *36.10* | |
| | | *For >75 To 150, Add* | *16.87* | |
| | | *For >500 To 1,000, Deduct* | *-4.32* | |
| | | *For >1,000 To 2,000, Deduct* | *-8.40* | |
| | | *For >2,000 To 5,000, Deduct* | *-12.95* | |
| | | *For >5,000, Deduct* | *-19.23* | |
| 33 01 30 71-0030 | LF | 78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 182.73 | |
| | | *For Up To 75, Add* | *39.10* | |
| | | *For >75 To 150, Add* | *18.27* | |
| | | *For >500 To 1,000, Deduct* | *-4.68* | |
| | | *For >1,000 To 2,000, Deduct* | *-9.10* | |
| | | *For >2,000 To 5,000, Deduct* | *-14.03* | |
| | | *For >5,000, Deduct* | *-20.83* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 71-0031 | LF | 84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 196.80 | |
| | | *For Up To 75, Add* | *42.11* | |
| | | *For >75 To 150, Add* | *19.68* | |
| | | *For >500 To 1,000, Deduct* | *-5.04* | |
| | | *For >1,000 To 2,000, Deduct* | *-9.80* | |
| | | *For >2,000 To 5,000, Deduct* | *-15.11* | |
| | | *For >5,000, Deduct* | *-22.43* | |
| 33 01 30 71-0032 | LF | 90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 210.85 | |
| | | *For Up To 75, Add* | *45.12* | |
| | | *For >75 To 150, Add* | *21.09* | |
| | | *For >500 To 1,000, Deduct* | *-5.40* | |
| | | *For >1,000 To 2,000, Deduct* | *-10.50* | |
| | | *For >2,000 To 5,000, Deduct* | *-16.19* | |
| | | *For >5,000, Deduct* | *-24.03* | |
| 33 01 30 71-0033 | LF | 96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 224.91 | |
| | | *For Up To 75, Add* | *48.13* | |
| | | *For >75 To 150, Add* | *22.49* | |
| | | *For >500 To 1,000, Deduct* | *-5.76* | |
| | | *For >1,000 To 2,000, Deduct* | *-11.20* | |
| | | *For >2,000 To 5,000, Deduct* | *-17.27* | |
| | | *For >5,000, Deduct* | *-25.63* | |
| 33 01 30 71-0034 | LF | 102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 238.97 | |
| | | *For Up To 75, Add* | *51.13* | |
| | | *For >75 To 150, Add* | *23.90* | |
| | | *For >500 To 1,000, Deduct* | *-6.12* | |
| | | *For >1,000 To 2,000, Deduct* | *-11.90* | |
| | | *For >2,000 To 5,000, Deduct* | *-18.35* | |
| | | *For >5,000, Deduct* | *-27.24* | |
| 33 01 30 71-0035 | LF | 108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 253.03 | |
| | | *For Up To 75, Add* | *54.14* | |
| | | *For >75 To 150, Add* | *25.30* | |
| | | *For >500 To 1,000, Deduct* | *-6.48* | |
| | | *For >1,000 To 2,000, Deduct* | *-12.60* | |
| | | *For >2,000 To 5,000, Deduct* | *-19.43* | |
| | | *For >5,000, Deduct* | *-28.84* | |
| 33 01 30 71-0036 | LF | 114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 267.08 | |
| | | *For Up To 75, Add* | *57.15* | |
| | | *For >75 To 150, Add* | *26.71* | |
| | | *For >500 To 1,000, Deduct* | *-6.83* | |
| | | *For >1,000 To 2,000, Deduct* | *-13.30* | |
| | | *For >2,000 To 5,000, Deduct* | *-20.50* | |
| | | *For >5,000, Deduct* | *-30.44* | |
| 33 01 30 71-0037 | LF | 120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane | 281.14 | |
| | | *For Up To 75, Add* | *60.16* | |
| | | *For >75 To 150, Add* | *28.11* | |
| | | *For >500 To 1,000, Deduct* | *-7.19* | |
| | | *For >1,000 To 2,000, Deduct* | *-14.00* | |
| | | *For >2,000 To 5,000, Deduct* | *-21.58* | |
| | | *For >5,000, Deduct* | *-32.04* | |
| 33 01 30 71-0038 | SF | Structure Lining, Spray Applied With 150 mil Structural Polyurethane | 8.95 | |

## 33 01 30 71-0039 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

| | | | | |
|---|---|---|---|---|
| 33 01 30 71-0040 | LF | 36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 105.78 | |
| | | *For Up To 75, Add* | *22.40* | |
| | | *For >75 To 150, Add* | *10.58* | |
| | | *For >500 To 1,000, Deduct* | *-2.61* | |
| | | *For >1,000 To 2,000, Deduct* | *-5.10* | |
| | | *For >2,000 To 5,000, Deduct* | *-7.84* | |
| | | *For >5,000, Deduct* | *-11.82* | |
| 33 01 30 71-0041 | LF | 42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 123.42 | |
| | | *For Up To 75, Add* | *26.13* | |
| | | *For >75 To 150, Add* | *12.34* | |
| | | *For >500 To 1,000, Deduct* | *-3.05* | |
| | | *For >1,000 To 2,000, Deduct* | *-5.95* | |
| | | *For >2,000 To 5,000, Deduct* | *-9.14* | |
| | | *For >5,000, Deduct* | *-13.79* | |
| 33 01 30 71-0042 | LF | 48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 141.05 | |
| | | *For Up To 75, Add* | *29.86* | |
| | | *For >75 To 150, Add* | *14.11* | |
| | | *For >500 To 1,000, Deduct* | *-3.48* | |
| | | *For >1,000 To 2,000, Deduct* | *-6.80* | |
| | | *For >2,000 To 5,000, Deduct* | *-10.45* | |
| | | *For >5,000, Deduct* | *-15.76* | |
| 33 01 30 71-0043 | LF | 54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 158.68 | |
| | | *For Up To 75, Add* | *33.60* | |
| | | *For >75 To 150, Add* | *15.87* | |
| | | *For >500 To 1,000, Deduct* | *-3.92* | |
| | | *For >1,000 To 2,000, Deduct* | *-7.65* | |
| | | *For >2,000 To 5,000, Deduct* | *-11.75* | |
| | | *For >5,000, Deduct* | *-17.73* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 71-0044 | LF | 60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 176.32 | |
| | | *For Up To 75, Add* | *37.33* | |
| | | *For >75 To 150, Add* | *17.63* | |
| | | *For >500 To 1,000, Deduct* | *-4.35* | |
| | | *For >1,000 To 2,000, Deduct* | *-8.50* | |
| | | *For >2,000 To 5,000, Deduct* | *-13.06* | |
| | | *For >5,000, Deduct* | *-19.70* | |
| 33 01 30 71-0045 | LF | 66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 193.94 | |
| | | *For Up To 75, Add* | *41.06* | |
| | | *For >75 To 150, Add* | *19.39* | |
| | | *For >500 To 1,000, Deduct* | *-4.79* | |
| | | *For >1,000 To 2,000, Deduct* | *-9.35* | |
| | | *For >2,000 To 5,000, Deduct* | *-14.37* | |
| | | *For >5,000, Deduct* | *-21.67* | |
| 33 01 30 71-0046 | LF | 72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 211.58 | |
| | | *For Up To 75, Add* | *44.80* | |
| | | *For >75 To 150, Add* | *21.16* | |
| | | *For >500 To 1,000, Deduct* | *-5.22* | |
| | | *For >1,000 To 2,000, Deduct* | *-10.20* | |
| | | *For >2,000 To 5,000, Deduct* | *-15.67* | |
| | | *For >5,000, Deduct* | *-23.64* | |
| 33 01 30 71-0047 | LF | 78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 229.20 | |
| | | *For Up To 75, Add* | *48.53* | |
| | | *For >75 To 150, Add* | *22.92* | |
| | | *For >500 To 1,000, Deduct* | *-5.66* | |
| | | *For >1,000 To 2,000, Deduct* | *-11.05* | |
| | | *For >2,000 To 5,000, Deduct* | *-16.98* | |
| | | *For >5,000, Deduct* | *-25.61* | |
| 33 01 30 71-0048 | LF | 84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 246.84 | |
| | | *For Up To 75, Add* | *52.26* | |
| | | *For >75 To 150, Add* | *24.68* | |
| | | *For >500 To 1,000, Deduct* | *-6.09* | |
| | | *For >1,000 To 2,000, Deduct* | *-11.90* | |
| | | *For >2,000 To 5,000, Deduct* | *-18.28* | |
| | | *For >5,000, Deduct* | *-27.58* | |
| 33 01 30 71-0049 | LF | 90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 264.47 | |
| | | *For Up To 75, Add* | *56.00* | |
| | | *For >75 To 150, Add* | *26.45* | |
| | | *For >500 To 1,000, Deduct* | *-6.53* | |
| | | *For >1,000 To 2,000, Deduct* | *-12.75* | |
| | | *For >2,000 To 5,000, Deduct* | *-19.59* | |
| | | *For >5,000, Deduct* | *-29.55* | |
| 33 01 30 71-0050 | LF | 96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 282.10 | |
| | | *For Up To 75, Add* | *59.73* | |
| | | *For >75 To 150, Add* | *28.21* | |
| | | *For >500 To 1,000, Deduct* | *-6.97* | |
| | | *For >1,000 To 2,000, Deduct* | *-13.60* | |
| | | *For >2,000 To 5,000, Deduct* | *-20.90* | |
| | | *For >5,000, Deduct* | *-31.52* | |
| 33 01 30 71-0051 | LF | 102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 299.73 | |
| | | *For Up To 75, Add* | *63.46* | |
| | | *For >75 To 150, Add* | *29.97* | |
| | | *For >500 To 1,000, Deduct* | *-7.40* | |
| | | *For >1,000 To 2,000, Deduct* | *-14.45* | |
| | | *For >2,000 To 5,000, Deduct* | *-22.20* | |
| | | *For >5,000, Deduct* | *-33.49* | |
| 33 01 30 71-0052 | LF | 108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 317.36 | |
| | | *For Up To 75, Add* | *67.19* | |
| | | *For >75 To 150, Add* | *31.74* | |
| | | *For >500 To 1,000, Deduct* | *-7.84* | |
| | | *For >1,000 To 2,000, Deduct* | *-15.30* | |
| | | *For >2,000 To 5,000, Deduct* | *-23.51* | |
| | | *For >5,000, Deduct* | *-35.46* | |
| 33 01 30 71-0053 | LF | 114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 335.00 | |
| | | *For Up To 75, Add* | *70.93* | |
| | | *For >75 To 150, Add* | *33.50* | |
| | | *For >500 To 1,000, Deduct* | *-8.27* | |
| | | *For >1,000 To 2,000, Deduct* | *-16.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-24.81* | |
| | | *For >5,000, Deduct* | *-37.43* | |
| 33 01 30 71-0054 | LF | 120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane | 352.62 | |
| | | *For Up To 75, Add* | *74.66* | |
| | | *For >75 To 150, Add* | *35.26* | |
| | | *For >500 To 1,000, Deduct* | *-8.71* | |
| | | *For >1,000 To 2,000, Deduct* | *-17.00* | |
| | | *For >2,000 To 5,000, Deduct* | *-26.12* | |
| | | *For >5,000, Deduct* | *-39.40* | |
| 33 01 30 71-0055 | SF | Structure Lining, Spray Applied With 200 mil Structural Polyurethane | 11.23 | |

33 01 30 71-0056 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 71-0057 | LF | 36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 127.33 | |
| | | *For Up To 75, Add* | *26.77* | |
| | | *For >75 To 150, Add* | *12.73* | |
| | | *For >500 To 1,000, Deduct* | *-3.07* | |
| | | *For >1,000 To 2,000, Deduct* | *-6.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-9.21* | |
| | | *For >5,000, Deduct* | *-14.04* | |
| 33 01 30 71-0058 | LF | 42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 148.57 | |
| | | *For Up To 75, Add* | *31.24* | |
| | | *For >75 To 150, Add* | *14.86* | |
| | | *For >500 To 1,000, Deduct* | *-3.58* | |
| | | *For >1,000 To 2,000, Deduct* | *-7.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-10.74* | |
| | | *For >5,000, Deduct* | *-16.38* | |
| 33 01 30 71-0059 | LF | 48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 169.78 | |
| | | *For Up To 75, Add* | *35.70* | |
| | | *For >75 To 150, Add* | *16.98* | |
| | | *For >500 To 1,000, Deduct* | *-4.09* | |
| | | *For >1,000 To 2,000, Deduct* | *-8.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-12.28* | |
| | | *For >5,000, Deduct* | *-18.72* | |
| 33 01 30 71-0060 | LF | 54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 191.01 | |
| | | *For Up To 75, Add* | *40.16* | |
| | | *For >75 To 150, Add* | *19.10* | |
| | | *For >500 To 1,000, Deduct* | *-4.60* | |
| | | *For >1,000 To 2,000, Deduct* | *-9.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-13.81* | |
| | | *For >5,000, Deduct* | *-21.06* | |
| 33 01 30 71-0061 | LF | 60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 212.22 | |
| | | *For Up To 75, Add* | *44.62* | |
| | | *For >75 To 150, Add* | *21.22* | |
| | | *For >500 To 1,000, Deduct* | *-5.12* | |
| | | *For >1,000 To 2,000, Deduct* | *-10.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-15.35* | |
| | | *For >5,000, Deduct* | *-23.40* | |
| 33 01 30 71-0062 | LF | 66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 233.45 | |
| | | *For Up To 75, Add* | *49.08* | |
| | | *For >75 To 150, Add* | *23.35* | |
| | | *For >500 To 1,000, Deduct* | *-5.63* | |
| | | *For >1,000 To 2,000, Deduct* | *-11.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-16.88* | |
| | | *For >5,000, Deduct* | *-25.74* | |
| 33 01 30 71-0063 | LF | 72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 254.68 | |
| | | *For Up To 75, Add* | *53.55* | |
| | | *For >75 To 150, Add* | *25.47* | |
| | | *For >500 To 1,000, Deduct* | *-6.14* | |
| | | *For >1,000 To 2,000, Deduct* | *-12.02* | |
| | | *For >2,000 To 5,000, Deduct* | *-18.42* | |
| | | *For >5,000, Deduct* | *-28.08* | |
| 33 01 30 71-0064 | LF | 78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 275.89 | |
| | | *For Up To 75, Add* | *58.01* | |
| | | *For >75 To 150, Add* | *27.59* | |
| | | *For >500 To 1,000, Deduct* | *-6.65* | |
| | | *For >1,000 To 2,000, Deduct* | *-13.02* | |
| | | *For >2,000 To 5,000, Deduct* | *-19.95* | |
| | | *For >5,000, Deduct* | *-30.42* | |
| 33 01 30 71-0065 | LF | 84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 297.12 | |
| | | *For Up To 75, Add* | *62.47* | |
| | | *For >75 To 150, Add* | *29.71* | |
| | | *For >500 To 1,000, Deduct* | *-7.16* | |
| | | *For >1,000 To 2,000, Deduct* | *-14.02* | |
| | | *For >2,000 To 5,000, Deduct* | *-21.48* | |
| | | *For >5,000, Deduct* | *-32.76* | |
| 33 01 30 71-0066 | LF | 90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 318.34 | |
| | | *For Up To 75, Add* | *66.93* | |
| | | *For >75 To 150, Add* | *31.83* | |
| | | *For >500 To 1,000, Deduct* | *-7.67* | |
| | | *For >1,000 To 2,000, Deduct* | *-15.02* | |
| | | *For >2,000 To 5,000, Deduct* | *-23.02* | |
| | | *For >5,000, Deduct* | *-35.10* | |
| 33 01 30 71-0067 | LF | 96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 339.57 | |
| | | *For Up To 75, Add* | *71.40* | |
| | | *For >75 To 150, Add* | *33.96* | |
| | | *For >500 To 1,000, Deduct* | *-8.18* | |
| | | *For >1,000 To 2,000, Deduct* | *-16.02* | |
| | | *For >2,000 To 5,000, Deduct* | *-24.55* | |
| | | *For >5,000, Deduct* | *-37.44* | |
| 33 01 30 71-0068 | LF | 102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 360.78 | |
| | | *For Up To 75, Add* | *75.86* | |
| | | *For >75 To 150, Add* | *36.08* | |
| | | *For >500 To 1,000, Deduct* | *-8.70* | |
| | | *For >1,000 To 2,000, Deduct* | *-17.02* | |
| | | *For >2,000 To 5,000, Deduct* | *-26.09* | |
| | | *For >5,000, Deduct* | *-39.78* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 71-0069 | LF | 108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 382.01 | |
| | | *For Up To 75, Add* | *80.32* | |
| | | *For >75 To 150, Add* | *38.20* | |
| | | *For >500 To 1,000, Deduct* | *-9.21* | |
| | | *For >1,000 To 2,000, Deduct* | *-18.02* | |
| | | *For >2,000 To 5,000, Deduct* | *-27.62* | |
| | | *For >5,000, Deduct* | *-42.12* | |
| 33 01 30 71-0070 | LF | 114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 403.23 | |
| | | *For Up To 75, Add* | *84.78* | |
| | | *For >75 To 150, Add* | *40.32* | |
| | | *For >500 To 1,000, Deduct* | *-9.72* | |
| | | *For >1,000 To 2,000, Deduct* | *-19.02* | |
| | | *For >2,000 To 5,000, Deduct* | *-29.16* | |
| | | *For >5,000, Deduct* | *-44.46* | |
| 33 01 30 71-0071 | LF | 120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane | 424.46 | |
| | | *For Up To 75, Add* | *89.25* | |
| | | *For >75 To 150, Add* | *42.45* | |
| | | *For >500 To 1,000, Deduct* | *-10.23* | |
| | | *For >1,000 To 2,000, Deduct* | *-20.03* | |
| | | *For >2,000 To 5,000, Deduct* | *-30.69* | |
| | | *For >5,000, Deduct* | *-46.80* | |
| 33 01 30 71-0072 | SF | Structure Lining, Spray Applied With 250 mil Structural Polyurethane | 13.51 | |

## 33 01 30 71-0073 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

| | | | | |
|---|---|---|---|---|
| 33 01 30 71-0074 | LF | 36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 149.03 | |
| | | *For Up To 75, Add* | *31.18* | |
| | | *For >75 To 150, Add* | *14.90* | |
| | | *For >500 To 1,000, Deduct* | *-3.53* | |
| | | *For >1,000 To 2,000, Deduct* | *-6.92* | |
| | | *For >2,000 To 5,000, Deduct* | *-10.59* | |
| | | *For >5,000, Deduct* | *-16.28* | |
| 33 01 30 71-0075 | LF | 42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 173.87 | |
| | | *For Up To 75, Add* | *36.38* | |
| | | *For >75 To 150, Add* | *17.39* | |
| | | *For >500 To 1,000, Deduct* | *-4.12* | |
| | | *For >1,000 To 2,000, Deduct* | *-8.08* | |
| | | *For >2,000 To 5,000, Deduct* | *-12.36* | |
| | | *For >5,000, Deduct* | *-18.99* | |
| 33 01 30 71-0076 | LF | 48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 198.72 | |
| | | *For Up To 75, Add* | *41.58* | |
| | | *For >75 To 150, Add* | *19.87* | |
| | | *For >500 To 1,000, Deduct* | *-4.71* | |
| | | *For >1,000 To 2,000, Deduct* | *-9.23* | |
| | | *For >2,000 To 5,000, Deduct* | *-14.12* | |
| | | *For >5,000, Deduct* | *-21.71* | |
| 33 01 30 71-0077 | LF | 54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 223.54 | |
| | | *For Up To 75, Add* | *46.77* | |
| | | *For >75 To 150, Add* | *22.35* | |
| | | *For >500 To 1,000, Deduct* | *-5.30* | |
| | | *For >1,000 To 2,000, Deduct* | *-10.39* | |
| | | *For >2,000 To 5,000, Deduct* | *-15.89* | |
| | | *For >5,000, Deduct* | *-24.42* | |
| 33 01 30 71-0078 | LF | 60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 248.39 | |
| | | *For Up To 75, Add* | *51.97* | |
| | | *For >75 To 150, Add* | *24.84* | |
| | | *For >500 To 1,000, Deduct* | *-5.88* | |
| | | *For >1,000 To 2,000, Deduct* | *-11.54* | |
| | | *For >2,000 To 5,000, Deduct* | *-17.65* | |
| | | *For >5,000, Deduct* | *-27.13* | |
| 33 01 30 71-0079 | LF | 66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 273.22 | |
| | | *For Up To 75, Add* | *57.16* | |
| | | *For >75 To 150, Add* | *27.32* | |
| | | *For >500 To 1,000, Deduct* | *-6.47* | |
| | | *For >1,000 To 2,000, Deduct* | *-12.69* | |
| | | *For >2,000 To 5,000, Deduct* | *-19.42* | |
| | | *For >5,000, Deduct* | *-29.84* | |
| 33 01 30 71-0080 | LF | 72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 298.06 | |
| | | *For Up To 75, Add* | *62.36* | |
| | | *For >75 To 150, Add* | *29.81* | |
| | | *For >500 To 1,000, Deduct* | *-7.06* | |
| | | *For >1,000 To 2,000, Deduct* | *-13.85* | |
| | | *For >2,000 To 5,000, Deduct* | *-21.18* | |
| | | *For >5,000, Deduct* | *-32.56* | |
| 33 01 30 71-0081 | LF | 78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 322.91 | |
| | | *For Up To 75, Add* | *67.56* | |
| | | *For >75 To 150, Add* | *32.29* | |
| | | *For >500 To 1,000, Deduct* | *-7.65* | |
| | | *For >1,000 To 2,000, Deduct* | *-15.00* | |
| | | *For >2,000 To 5,000, Deduct* | *-22.95* | |
| | | *For >5,000, Deduct* | *-35.27* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 71-0082 | LF | 84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 347.73 | |
| | | *For Up To 75, Add* | *72.75* | |
| | | *For >75 To 150, Add* | *34.77* | |
| | | *For >500 To 1,000, Deduct* | *-8.24* | |
| | | *For >1,000 To 2,000, Deduct* | *-16.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-24.71* | |
| | | *For >5,000, Deduct* | *-37.98* | |
| 33 01 30 71-0083 | LF | 90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 372.58 | |
| | | *For Up To 75, Add* | *77.95* | |
| | | *For >75 To 150, Add* | *37.26* | |
| | | *For >500 To 1,000, Deduct* | *-8.83* | |
| | | *For >1,000 To 2,000, Deduct* | *-17.31* | |
| | | *For >2,000 To 5,000, Deduct* | *-26.48* | |
| | | *For >5,000, Deduct* | *-40.70* | |
| 33 01 30 71-0084 | LF | 96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 397.42 | |
| | | *For Up To 75, Add* | *83.15* | |
| | | *For >75 To 150, Add* | *39.74* | |
| | | *For >500 To 1,000, Deduct* | *-9.41* | |
| | | *For >1,000 To 2,000, Deduct* | *-18.46* | |
| | | *For >2,000 To 5,000, Deduct* | *-28.24* | |
| | | *For >5,000, Deduct* | *-43.41* | |
| 33 01 30 71-0085 | LF | 102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 422.26 | |
| | | *For Up To 75, Add* | *88.35* | |
| | | *For >75 To 150, Add* | *42.23* | |
| | | *For >500 To 1,000, Deduct* | *-10.00* | |
| | | *For >1,000 To 2,000, Deduct* | *-19.62* | |
| | | *For >2,000 To 5,000, Deduct* | *-30.01* | |
| | | *For >5,000, Deduct* | *-46.12* | |
| 33 01 30 71-0086 | LF | 108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 447.09 | |
| | | *For Up To 75, Add* | *93.54* | |
| | | *For >75 To 150, Add* | *44.71* | |
| | | *For >500 To 1,000, Deduct* | *-10.59* | |
| | | *For >1,000 To 2,000, Deduct* | *-20.77* | |
| | | *For >2,000 To 5,000, Deduct* | *-31.77* | |
| | | *For >5,000, Deduct* | *-48.83* | |
| 33 01 30 71-0087 | LF | 114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 471.93 | |
| | | *For Up To 75, Add* | *98.74* | |
| | | *For >75 To 150, Add* | *47.19* | |
| | | *For >500 To 1,000, Deduct* | *-11.18* | |
| | | *For >1,000 To 2,000, Deduct* | *-21.92* | |
| | | *For >2,000 To 5,000, Deduct* | *-33.54* | |
| | | *For >5,000, Deduct* | *-51.55* | |
| 33 01 30 71-0088 | LF | 120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane | 496.77 | |
| | | *For Up To 75, Add* | *103.94* | |
| | | *For >75 To 150, Add* | *49.68* | |
| | | *For >500 To 1,000, Deduct* | *-11.77* | |
| | | *For >1,000 To 2,000, Deduct* | *-23.08* | |
| | | *For >2,000 To 5,000, Deduct* | *-35.31* | |
| | | *For >5,000, Deduct* | *-54.26* | |
| 33 01 30 71-0089 | SF | Structure Lining, Spray Applied With 300 mil Structural Polyurethane | 15.82 | |

## 33 01 30 71-0090 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

| | | | | |
|---|---|---|---|---|
| 33 01 30 71-0091 | LF | 36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 192.50 | |
| | | *For Up To 75, Add* | *40.03* | |
| | | *For >75 To 150, Add* | *19.25* | |
| | | *For >500 To 1,000, Deduct* | *-4.46* | |
| | | *For >1,000 To 2,000, Deduct* | *-8.77* | |
| | | *For >2,000 To 5,000, Deduct* | *-13.38* | |
| | | *For >5,000, Deduct* | *-20.78* | |
| 33 01 30 71-0092 | LF | 42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 224.59 | |
| | | *For Up To 75, Add* | *46.70* | |
| | | *For >75 To 150, Add* | *22.46* | |
| | | *For >500 To 1,000, Deduct* | *-5.20* | |
| | | *For >1,000 To 2,000, Deduct* | *-10.23* | |
| | | *For >2,000 To 5,000, Deduct* | *-15.61* | |
| | | *For >5,000, Deduct* | *-24.24* | |
| 33 01 30 71-0093 | LF | 48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 256.66 | |
| | | *For Up To 75, Add* | *53.37* | |
| | | *For >75 To 150, Add* | *25.67* | |
| | | *For >500 To 1,000, Deduct* | *-5.95* | |
| | | *For >1,000 To 2,000, Deduct* | *-11.69* | |
| | | *For >2,000 To 5,000, Deduct* | *-17.84* | |
| | | *For >5,000, Deduct* | *-27.70* | |
| 33 01 30 71-0094 | LF | 54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 288.75 | |
| | | *For Up To 75, Add* | *60.04* | |
| | | *For >75 To 150, Add* | *28.88* | |
| | | *For >500 To 1,000, Deduct* | *-6.69* | |
| | | *For >1,000 To 2,000, Deduct* | *-13.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-20.07* | |
| | | *For >5,000, Deduct* | *-31.17* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 71-0095 | LF | 60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 320.83 | |
| | | *For Up To 75, Add* | *66.71* | |
| | | *For >75 To 150, Add* | *32.08* | |
| | | *For >500 To 1,000, Deduct* | *-7.44* | |
| | | *For >1,000 To 2,000, Deduct* | *-14.62* | |
| | | *For >2,000 To 5,000, Deduct* | *-22.31* | |
| | | *For >5,000, Deduct* | *-34.63* | |
| 33 01 30 71-0096 | LF | 66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 352.92 | |
| | | *For Up To 75, Add* | *73.39* | |
| | | *For >75 To 150, Add* | *35.29* | |
| | | *For >500 To 1,000, Deduct* | *-8.18* | |
| | | *For >1,000 To 2,000, Deduct* | *-16.08* | |
| | | *For >2,000 To 5,000, Deduct* | *-24.54* | |
| | | *For >5,000, Deduct* | *-38.09* | |
| 33 01 30 71-0097 | LF | 72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 384.99 | |
| | | *For Up To 75, Add* | *80.05* | |
| | | *For >75 To 150, Add* | *38.50* | |
| | | *For >500 To 1,000, Deduct* | *-8.92* | |
| | | *For >1,000 To 2,000, Deduct* | *-17.54* | |
| | | *For >2,000 To 5,000, Deduct* | *-26.77* | |
| | | *For >5,000, Deduct* | *-41.55* | |
| 33 01 30 71-0098 | LF | 78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 417.07 | |
| | | *For Up To 75, Add* | *86.72* | |
| | | *For >75 To 150, Add* | *41.71* | |
| | | *For >500 To 1,000, Deduct* | *-9.67* | |
| | | *For >1,000 To 2,000, Deduct* | *-19.00* | |
| | | *For >2,000 To 5,000, Deduct* | *-29.00* | |
| | | *For >5,000, Deduct* | *-45.02* | |
| 33 01 30 71-0099 | LF | 84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 449.16 | |
| | | *For Up To 75, Add* | *93.40* | |
| | | *For >75 To 150, Add* | *44.92* | |
| | | *For >500 To 1,000, Deduct* | *-10.41* | |
| | | *For >1,000 To 2,000, Deduct* | *-20.46* | |
| | | *For >2,000 To 5,000, Deduct* | *-31.23* | |
| | | *For >5,000, Deduct* | *-48.48* | |
| 33 01 30 71-0100 | LF | 90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 481.25 | |
| | | *For Up To 75, Add* | *100.07* | |
| | | *For >75 To 150, Add* | *48.13* | |
| | | *For >500 To 1,000, Deduct* | *-11.15* | |
| | | *For >1,000 To 2,000, Deduct* | *-21.92* | |
| | | *For >2,000 To 5,000, Deduct* | *-33.46* | |
| | | *For >5,000, Deduct* | *-51.94* | |
| 33 01 30 71-0101 | LF | 96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 513.33 | |
| | | *For Up To 75, Add* | *106.74* | |
| | | *For >75 To 150, Add* | *51.33* | |
| | | *For >500 To 1,000, Deduct* | *-11.90* | |
| | | *For >1,000 To 2,000, Deduct* | *-23.38* | |
| | | *For >2,000 To 5,000, Deduct* | *-35.69* | |
| | | *For >5,000, Deduct* | *-55.41* | |
| 33 01 30 71-0102 | LF | 102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 545.42 | |
| | | *For Up To 75, Add* | *113.41* | |
| | | *For >75 To 150, Add* | *54.54* | |
| | | *For >500 To 1,000, Deduct* | *-12.64* | |
| | | *For >1,000 To 2,000, Deduct* | *-24.85* | |
| | | *For >2,000 To 5,000, Deduct* | *-37.92* | |
| | | *For >5,000, Deduct* | *-58.87* | |
| 33 01 30 71-0103 | LF | 108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 577.49 | |
| | | *For Up To 75, Add* | *120.08* | |
| | | *For >75 To 150, Add* | *57.75* | |
| | | *For >500 To 1,000, Deduct* | *-13.38* | |
| | | *For >1,000 To 2,000, Deduct* | *-26.31* | |
| | | *For >2,000 To 5,000, Deduct* | *-40.15* | |
| | | *For >5,000, Deduct* | *-62.33* | |
| 33 01 30 71-0104 | LF | 114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 609.57 | |
| | | *For Up To 75, Add* | *126.75* | |
| | | *For >75 To 150, Add* | *60.96* | |
| | | *For >500 To 1,000, Deduct* | *-14.13* | |
| | | *For >1,000 To 2,000, Deduct* | *-27.77* | |
| | | *For >2,000 To 5,000, Deduct* | *-42.38* | |
| | | *For >5,000, Deduct* | *-65.79* | |
| 33 01 30 71-0105 | LF | 120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane | 641.65 | |
| | | *For Up To 75, Add* | *133.42* | |
| | | *For >75 To 150, Add* | *64.17* | |
| | | *For >500 To 1,000, Deduct* | *-14.87* | |
| | | *For >1,000 To 2,000, Deduct* | *-29.23* | |
| | | *For >2,000 To 5,000, Deduct* | *-44.61* | |
| | | *For >5,000, Deduct* | *-69.26* | |
| 33 01 30 71-0106 | SF | Structure Lining, Spray Applied With 400 mil Structural Polyurethane | 20.42 | |

33 01 30 71-0107 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 71-0108 | LF | 36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 236.37 | |
| | | *For Up To 75, Add* | *48.97* | |
| | | *For >75 To 150, Add* | *23.64* | |
| | | *For >500 To 1,000, Deduct* | *-5.41* | |
| | | *For >1,000 To 2,000, Deduct* | *-10.64* | |
| | | *For >2,000 To 5,000, Deduct* | *-16.22* | |
| | | *For >5,000, Deduct* | *-25.33* | |
| 33 01 30 71-0109 | LF | 42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 275.77 | |
| | | *For Up To 75, Add* | *57.13* | |
| | | *For >75 To 150, Add* | *27.58* | |
| | | *For >500 To 1,000, Deduct* | *-6.31* | |
| | | *For >1,000 To 2,000, Deduct* | *-12.42* | |
| | | *For >2,000 To 5,000, Deduct* | *-18.92* | |
| | | *For >5,000, Deduct* | *-29.56* | |
| 33 01 30 71-0110 | LF | 48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 315.17 | |
| | | *For Up To 75, Add* | *65.30* | |
| | | *For >75 To 150, Add* | *31.52* | |
| | | *For >500 To 1,000, Deduct* | *-7.21* | |
| | | *For >1,000 To 2,000, Deduct* | *-14.19* | |
| | | *For >2,000 To 5,000, Deduct* | *-21.63* | |
| | | *For >5,000, Deduct* | *-33.78* | |
| 33 01 30 71-0111 | LF | 54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 354.57 | |
| | | *For Up To 75, Add* | *73.46* | |
| | | *For >75 To 150, Add* | *35.46* | |
| | | *For >500 To 1,000, Deduct* | *-8.11* | |
| | | *For >1,000 To 2,000, Deduct* | *-15.97* | |
| | | *For >2,000 To 5,000, Deduct* | *-24.33* | |
| | | *For >5,000, Deduct* | *-38.00* | |
| 33 01 30 71-0112 | LF | 60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 393.96 | |
| | | *For Up To 75, Add* | *81.62* | |
| | | *For >75 To 150, Add* | *39.40* | |
| | | *For >500 To 1,000, Deduct* | *-9.01* | |
| | | *For >1,000 To 2,000, Deduct* | *-17.74* | |
| | | *For >2,000 To 5,000, Deduct* | *-27.03* | |
| | | *For >5,000, Deduct* | *-42.22* | |
| 33 01 30 71-0113 | LF | 66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 433.36 | |
| | | *For Up To 75, Add* | *89.78* | |
| | | *For >75 To 150, Add* | *43.34* | |
| | | *For >500 To 1,000, Deduct* | *-9.91* | |
| | | *For >1,000 To 2,000, Deduct* | *-19.51* | |
| | | *For >2,000 To 5,000, Deduct* | *-29.74* | |
| | | *For >5,000, Deduct* | *-46.45* | |
| 33 01 30 71-0114 | LF | 72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 472.76 | |
| | | *For Up To 75, Add* | *97.95* | |
| | | *For >75 To 150, Add* | *47.28* | |
| | | *For >500 To 1,000, Deduct* | *-10.81* | |
| | | *For >1,000 To 2,000, Deduct* | *-21.29* | |
| | | *For >2,000 To 5,000, Deduct* | *-32.44* | |
| | | *For >5,000, Deduct* | *-50.67* | |
| 33 01 30 71-0115 | LF | 78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 512.15 | |
| | | *For Up To 75, Add* | *106.11* | |
| | | *For >75 To 150, Add* | *51.22* | |
| | | *For >500 To 1,000, Deduct* | *-11.71* | |
| | | *For >1,000 To 2,000, Deduct* | *-23.06* | |
| | | *For >2,000 To 5,000, Deduct* | *-35.14* | |
| | | *For >5,000, Deduct* | *-54.89* | |
| 33 01 30 71-0116 | LF | 84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 551.55 | |
| | | *For Up To 75, Add* | *114.27* | |
| | | *For >75 To 150, Add* | *55.16* | |
| | | *For >500 To 1,000, Deduct* | *-12.62* | |
| | | *For >1,000 To 2,000, Deduct* | *-24.83* | |
| | | *For >2,000 To 5,000, Deduct* | *-37.85* | |
| | | *For >5,000, Deduct* | *-59.12* | |
| 33 01 30 71-0117 | LF | 90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 590.94 | |
| | | *For Up To 75, Add* | *122.43* | |
| | | *For >75 To 150, Add* | *59.09* | |
| | | *For >500 To 1,000, Deduct* | *-13.52* | |
| | | *For >1,000 To 2,000, Deduct* | *-26.61* | |
| | | *For >2,000 To 5,000, Deduct* | *-40.55* | |
| | | *For >5,000, Deduct* | *-63.34* | |
| 33 01 30 71-0118 | LF | 96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 630.33 | |
| | | *For Up To 75, Add* | *130.59* | |
| | | *For >75 To 150, Add* | *63.03* | |
| | | *For >500 To 1,000, Deduct* | *-14.42* | |
| | | *For >1,000 To 2,000, Deduct* | *-28.38* | |
| | | *For >2,000 To 5,000, Deduct* | *-43.25* | |
| | | *For >5,000, Deduct* | *-67.56* | |
| 33 01 30 71-0119 | LF | 102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 669.74 | |
| | | *For Up To 75, Add* | *138.76* | |
| | | *For >75 To 150, Add* | *66.97* | |
| | | *For >500 To 1,000, Deduct* | *-15.32* | |
| | | *For >1,000 To 2,000, Deduct* | *-30.16* | |
| | | *For >2,000 To 5,000, Deduct* | *-45.96* | |
| | | *For >5,000, Deduct* | *-71.78* | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 71-0120 | LF | 108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 709.13 | |
| | | *For Up To 75, Add* | *146.92* | |
| | | *For >75 To 150, Add* | *70.91* | |
| | | *For >500 To 1,000, Deduct* | *-16.22* | |
| | | *For >1,000 To 2,000, Deduct* | *-31.93* | |
| | | *For >2,000 To 5,000, Deduct* | *-48.66* | |
| | | *For >5,000, Deduct* | *-76.00* | |
| 33 01 30 71-0121 | LF | 114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 748.53 | |
| | | *For Up To 75, Add* | *155.08* | |
| | | *For >75 To 150, Add* | *74.85* | |
| | | *For >500 To 1,000, Deduct* | *-17.12* | |
| | | *For >1,000 To 2,000, Deduct* | *-33.70* | |
| | | *For >2,000 To 5,000, Deduct* | *-51.36* | |
| | | *For >5,000, Deduct* | *-80.23* | |
| 33 01 30 71-0122 | LF | 120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane | 787.93 | |
| | | *For Up To 75, Add* | *163.24* | |
| | | *For >75 To 150, Add* | *78.79* | |
| | | *For >500 To 1,000, Deduct* | *-18.02* | |
| | | *For >1,000 To 2,000, Deduct* | *-35.48* | |
| | | *For >2,000 To 5,000, Deduct* | *-54.06* | |
| | | *For >5,000, Deduct* | *-84.45* | |
| 33 01 30 71-0123 | SF | Structure Lining, Spray Applied With 500 mil Structural Polyurethane | 25.08 | |

## 33 01 30 72 Cured-in-Place Pipe Lining *(33 01 30)*

### 33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

### 33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion *(33 01 30 72-0001)*

| | | | |
|---|---|---|---|
| 33 01 30 72-0003 | EA | Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) | 1,627.64 |
| 33 01 30 72-0004 | EA | Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) | 2,712.74 |
| 33 01 30 72-0005 | EA | Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) | 4,069.10 |
| 33 01 30 72-0006 | EA | Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) | 5,425.46 |
| 33 01 30 72-0007 | EA | Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) | 813.82 |
| 33 01 30 72-0008 | EA | Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) | 1,356.36 |
| 33 01 30 72-0009 | EA | Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) | 1,695.45 |
| 33 01 30 72-0010 | EA | Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) | 2,170.19 |
| 33 01 30 72-0011 | EA | Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)<br>Note: Need to mix wet material in bag prior to installation. | 1,356.36 |
| 33 01 30 72-0012 | EA | Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)<br>Note: Need to mix wet material in bag prior to installation. | 3,255.28 |
| 33 01 30 72-0013 | EA | Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)<br>Note: Need to mix wet material in bag prior to installation. | 5,425.46 |
| 33 01 30 72-0014 | EA | Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP)<br>Note: Need to mix wet material in bag prior to installation. | 8,138.20 |

### 33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)

*(33 01 30 72-0001)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.

### 33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | |
|---|---|---|---|
| 33 01 30 72-0017 | LF | 4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 23.75 |
| | | *For Vinlyester Resin, Add* | *6.66* |
| | | *For Epoxy Resin, Add* | *0.78* |
| | | *For Up To >10, Add* | *47.48* |
| | | *For >10 To 25, Add* | *37.98* |
| | | *For >25 To 50, Add* | *23.26* |
| | | *For >50 To 100, Add* | *11.63* |
| | | *For >500 To 1,000, Deduct* | *-1.54* |
| | | *For >1,000 To 2,000, Deduct* | *-2.49* |
| | | *For >2,000 To 5,000, Deduct* | *-4.70* |
| | | *For >5,000, Deduct* | *-7.60* |
| 33 01 30 72-0018 | LF | 4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 28.97 |
| | | *For Vinlyester Resin, Add* | *10.31* |
| | | *For Epoxy Resin, Add* | *1.22* |
| | | *For Up To >10, Add* | *50.09* |
| | | *For >10 To 25, Add* | *39.28* |
| | | *For >25 To 50, Add* | *24.31* |
| | | *For >50 To 100, Add* | *12.15* |
| | | *For >500 To 1,000, Deduct* | *-1.80* |
| | | *For >1,000 To 2,000, Deduct* | *-2.88* |
| | | *For >2,000 To 5,000, Deduct* | *-5.33* |
| | | *For >5,000, Deduct* | *-8.64* |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0019 | LF | 4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 34.19 | |
| | | *For Vinlyester Resin, Add* | *13.97* | |
| | | *For Epoxy Resin, Add* | *1.65* | |
| | | *For Up To >10, Add* | *52.70* | |
| | | *For >10 To 25, Add* | *40.59* | |
| | | *For >25 To 50, Add* | *25.35* | |
| | | *For >50 To 100, Add* | *12.68* | |
| | | *For >500 To 1,000, Deduct* | *-2.07* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.28* | |
| | | *For >2,000 To 5,000, Deduct* | *-5.95* | |
| | | *For >5,000, Deduct* | *-9.69* | |
| 33 01 30 72-0020 | LF | 4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 45.98 | |
| | | *For Vinlyester Resin, Add* | *21.27* | |
| | | *For Epoxy Resin, Add* | *2.51* | |
| | | *For Up To >10, Add* | *61.99* | |
| | | *For >10 To 25, Add* | *46.60* | |
| | | *For >25 To 50, Add* | *29.48* | |
| | | *For >50 To 100, Add* | *14.74* | |
| | | *For >500 To 1,000, Deduct* | *-2.69* | |
| | | *For >1,000 To 2,000, Deduct* | *-4.23* | |
| | | *For >2,000 To 5,000, Deduct* | *-7.55* | |
| | | *For >5,000, Deduct* | *-12.32* | |
| 33 01 30 72-0021 | LF | 4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 57.78 | |
| | | *For Vinlyester Resin, Add* | *28.57* | |
| | | *For Epoxy Resin, Add* | *3.37* | |
| | | *For Up To >10, Add* | *71.29* | |
| | | *For >10 To 25, Add* | *52.61* | |
| | | *For >25 To 50, Add* | *33.60* | |
| | | *For >50 To 100, Add* | *16.80* | |
| | | *For >500 To 1,000, Deduct* | *-3.31* | |
| | | *For >1,000 To 2,000, Deduct* | *-5.18* | |
| | | *For >2,000 To 5,000, Deduct* | *-9.14* | |
| | | *For >5,000, Deduct* | *-14.95* | |

## 33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0023 | LF | 6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 33.47 | |
| | | *For Vinlyester Resin, Add* | *13.46* | |
| | | *For Epoxy Resin, Add* | *1.59* | |
| | | *For Up To >10, Add* | *52.34* | |
| | | *For >10 To 25, Add* | *40.41* | |
| | | *For >25 To 50, Add* | *25.21* | |
| | | *For >50 To 100, Add* | *12.60* | |
| | | *For >500 To 1,000, Deduct* | *-2.03* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.22* | |
| | | *For >2,000 To 5,000, Deduct* | *-5.87* | |
| | | *For >5,000, Deduct* | *-9.54* | |
| 33 01 30 72-0024 | LF | 6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 40.42 | |
| | | *For Vinlyester Resin, Add* | *18.33* | |
| | | *For Epoxy Resin, Add* | *2.16* | |
| | | *For Up To >10, Add* | *55.81* | |
| | | *For >10 To 25, Add* | *42.15* | |
| | | *For >25 To 50, Add* | *26.60* | |
| | | *For >50 To 100, Add* | *13.30* | |
| | | *For >500 To 1,000, Deduct* | *-2.38* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.74* | |
| | | *For >2,000 To 5,000, Deduct* | *-6.70* | |
| | | *For >5,000, Deduct* | *-10.93* | |
| 33 01 30 72-0025 | LF | 6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 55.70 | |
| | | *For Vinlyester Resin, Add* | *28.07* | |
| | | *For Epoxy Resin, Add* | *3.31* | |
| | | *For Up To >10, Add* | *66.85* | |
| | | *For >10 To 25, Add* | *49.03* | |
| | | *For >25 To 50, Add* | *31.42* | |
| | | *For >50 To 100, Add* | *15.71* | |
| | | *For >500 To 1,000, Deduct* | *-3.18* | |
| | | *For >1,000 To 2,000, Deduct* | *-4.96* | |
| | | *For >2,000 To 5,000, Deduct* | *-8.71* | |
| | | *For >5,000, Deduct* | *-14.26* | |
| 33 01 30 72-0026 | LF | 6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 70.97 | |
| | | *For Vinlyester Resin, Add* | *37.81* | |
| | | *For Epoxy Resin, Add* | *4.46* | |
| | | *For Up To >10, Add* | *77.89* | |
| | | *For >10 To 25, Add* | *55.90* | |
| | | *For >25 To 50, Add* | *36.24* | |
| | | *For >50 To 100, Add* | *18.12* | |
| | | *For >500 To 1,000, Deduct* | *-3.97* | |
| | | *For >1,000 To 2,000, Deduct* | *-6.17* | |
| | | *For >2,000 To 5,000, Deduct* | *-10.72* | |
| | | *For >5,000, Deduct* | *-17.59* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0027 | LF | 6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 86.37 | |
| | | *For Vinlyester Resin, Add* | *47.54* | |
| | | *For Epoxy Resin, Add* | *5.60* | |
| | | *For Up To >10, Add* | *89.31* | |
| | | *For >10 To 25, Add* | *63.11* | |
| | | *For >25 To 50, Add* | *41.26* | |
| | | *For >50 To 100, Add* | *20.63* | |
| | | *For >500 To 1,000, Deduct* | *-4.78* | |
| | | *For >1,000 To 2,000, Deduct* | *-7.40* | |
| | | *For >2,000 To 5,000, Deduct* | *-12.76* | |
| | | *For >5,000, Deduct* | *-20.96* | |
| 33 01 30 72-0028 | LF | 6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 102.19 | |
| | | *For Vinlyester Resin, Add* | *57.29* | |
| | | *For Epoxy Resin, Add* | *6.75* | |
| | | *For Up To >10, Add* | *101.97* | |
| | | *For >10 To 25, Add* | *71.34* | |
| | | *For >25 To 50, Add* | *46.89* | |
| | | *For >50 To 100, Add* | *23.45* | |
| | | *For >500 To 1,000, Deduct* | *-5.62* | |
| | | *For >1,000 To 2,000, Deduct* | *-8.68* | |
| | | *For >2,000 To 5,000, Deduct* | *-14.91* | |
| | | *For >5,000, Deduct* | *-24.51* | |

## 33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0030 | LF | 7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 65.20 | |
| | | *For Vinlyester Resin, Add* | *34.72* | |
| | | *For Epoxy Resin, Add* | *4.09* | |
| | | *For Up To >10, Add* | *71.60* | |
| | | *For >10 To 25, Add* | *51.40* | |
| | | *For >25 To 50, Add* | *33.32* | |
| | | *For >50 To 100, Add* | *16.66* | |
| | | *For >500 To 1,000, Deduct* | *-3.65* | |
| | | *For >1,000 To 2,000, Deduct* | *-5.67* | |
| | | *For >2,000 To 5,000, Deduct* | *-9.85* | |
| | | *For >5,000, Deduct* | *-16.16* | |
| 33 01 30 72-0031 | LF | 7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 83.96 | |
| | | *For Vinlyester Resin, Add* | *46.90* | |
| | | *For Epoxy Resin, Add* | *5.53* | |
| | | *For Up To >10, Add* | *84.38* | |
| | | *For >10 To 25, Add* | *59.15* | |
| | | *For >25 To 50, Add* | *38.84* | |
| | | *For >50 To 100, Add* | *19.42* | |
| | | *For >500 To 1,000, Deduct* | *-4.62* | |
| | | *For >1,000 To 2,000, Deduct* | *-7.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-12.28* | |
| | | *For >5,000, Deduct* | *-20.18* | |
| 33 01 30 72-0032 | LF | 7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 102.84 | |
| | | *For Vinlyester Resin, Add* | *59.07* | |
| | | *For Epoxy Resin, Add* | *6.96* | |
| | | *For Up To >10, Add* | *97.55* | |
| | | *For >10 To 25, Add* | *67.22* | |
| | | *For >25 To 50, Add* | *44.55* | |
| | | *For >50 To 100, Add* | *22.28* | |
| | | *For >500 To 1,000, Deduct* | *-5.60* | |
| | | *For >1,000 To 2,000, Deduct* | *-8.64* | |
| | | *For >2,000 To 5,000, Deduct* | *-14.74* | |
| | | *For >5,000, Deduct* | *-24.26* | |
| 33 01 30 72-0033 | LF | 7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 122.13 | |
| | | *For Vinlyester Resin, Add* | *71.25* | |
| | | *For Epoxy Resin, Add* | *8.40* | |
| | | *For Up To >10, Add* | *111.94* | |
| | | *For >10 To 25, Add* | *76.32* | |
| | | *For >25 To 50, Add* | *50.88* | |
| | | *For >50 To 100, Add* | *25.44* | |
| | | *For >500 To 1,000, Deduct* | *-6.62* | |
| | | *For >1,000 To 2,000, Deduct* | *-10.18* | |
| | | *For >2,000 To 5,000, Deduct* | *-17.30* | |
| | | *For >5,000, Deduct* | *-28.50* | |
| 33 01 30 72-0034 | LF | 7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 150.93 | |
| | | *For Vinlyester Resin, Add* | *89.51* | |
| | | *For Epoxy Resin, Add* | *10.55* | |
| | | *For Up To >10, Add* | *133.12* | |
| | | *For >10 To 25, Add* | *89.62* | |
| | | *For >25 To 50, Add* | *60.16* | |
| | | *For >50 To 100, Add* | *30.08* | |
| | | *For >500 To 1,000, Deduct* | *-8.12* | |
| | | *For >1,000 To 2,000, Deduct* | *-12.47* | |
| | | *For >2,000 To 5,000, Deduct* | *-21.11* | |
| | | *For >5,000, Deduct* | *-34.80* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0035 | LF | 7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 180.00 | |
| | | *For Vinlyester Resin, Add* | *107.77* | |
| | | *For Epoxy Resin, Add* | *12.70* | |
| | | *For Up To >10, Add* | *155.13* | |
| | | *For >10 To 25, Add* | *103.61* | |
| | | *For >25 To 50, Add* | *69.87* | |
| | | *For >50 To 100, Add* | *34.93* | |
| | | *For >500 To 1,000, Deduct* | *-9.65* | |
| | | *For >1,000 To 2,000, Deduct* | *-14.80* | |
| | | *For >2,000 To 5,000, Deduct* | *-24.99* | |
| | | *For >5,000, Deduct* | *-41.21* | |
| 33 01 30 72-0036 | | 9mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)* | | |
| 33 01 30 72-0037 | LF | 9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 74.51 | |
| | | *For Vinlyester Resin, Add* | *41.24* | |
| | | *For Epoxy Resin, Add* | *4.86* | |
| | | *For Up To >10, Add* | *76.26* | |
| | | *For >10 To 25, Add* | *53.73* | |
| | | *For >25 To 50, Add* | *35.18* | |
| | | *For >50 To 100, Add* | *17.59* | |
| | | *For >500 To 1,000, Deduct* | *-4.12* | |
| | | *For >1,000 To 2,000, Deduct* | *-6.37* | |
| | | *For >2,000 To 5,000, Deduct* | *-10.97* | |
| | | *For >5,000, Deduct* | *-18.02* | |
| 33 01 30 72-0038 | LF | 9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 96.74 | |
| | | *For Vinlyester Resin, Add* | *55.85* | |
| | | *For Epoxy Resin, Add* | *6.58* | |
| | | *For Up To >10, Add* | *90.77* | |
| | | *For >10 To 25, Add* | *62.35* | |
| | | *For >25 To 50, Add* | *41.40* | |
| | | *For >50 To 100, Add* | *20.70* | |
| | | *For >500 To 1,000, Deduct* | *-5.26* | |
| | | *For >1,000 To 2,000, Deduct* | *-8.10* | |
| | | *For >2,000 To 5,000, Deduct* | *-13.81* | |
| | | *For >5,000, Deduct* | *-22.74* | |
| 33 01 30 72-0039 | LF | 9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 119.11 | |
| | | *For Vinlyester Resin, Add* | *70.46* | |
| | | *For Epoxy Resin, Add* | *8.30* | |
| | | *For Up To >10, Add* | *105.68* | |
| | | *For >10 To 25, Add* | *71.29* | |
| | | *For >25 To 50, Add* | *47.81* | |
| | | *For >50 To 100, Add* | *23.90* | |
| | | *For >500 To 1,000, Deduct* | *-6.42* | |
| | | *For >1,000 To 2,000, Deduct* | *-9.86* | |
| | | *For >2,000 To 5,000, Deduct* | *-16.69* | |
| | | *For >5,000, Deduct* | *-27.51* | |
| 33 01 30 72-0040 | LF | 9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 141.87 | |
| | | *For Vinlyester Resin, Add* | *85.06* | |
| | | *For Epoxy Resin, Add* | *10.03* | |
| | | *For Up To >10, Add* | *121.81* | |
| | | *For >10 To 25, Add* | *81.26* | |
| | | *For >25 To 50, Add* | *54.83* | |
| | | *For >50 To 100, Add* | *27.41* | |
| | | *For >500 To 1,000, Deduct* | *-7.60* | |
| | | *For >1,000 To 2,000, Deduct* | *-11.66* | |
| | | *For >2,000 To 5,000, Deduct* | *-19.67* | |
| | | *For >5,000, Deduct* | *-32.44* | |
| 33 01 30 72-0041 | LF | 9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 175.89 | |
| | | *For Vinlyester Resin, Add* | *106.98* | |
| | | *For Epoxy Resin, Add* | *12.61* | |
| | | *For Up To >10, Add* | *145.60* | |
| | | *For >10 To 25, Add* | *95.86* | |
| | | *For >25 To 50, Add* | *65.16* | |
| | | *For >50 To 100, Add* | *32.58* | |
| | | *For >500 To 1,000, Deduct* | *-9.37* | |
| | | *For >1,000 To 2,000, Deduct* | *-14.34* | |
| | | *For >2,000 To 5,000, Deduct* | *-24.10* | |
| | | *For >5,000, Deduct* | *-39.79* | |
| 33 01 30 72-0042 | LF | 9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 210.18 | |
| | | *For Vinlyester Resin, Add* | *128.89* | |
| | | *For Epoxy Resin, Add* | *15.19* | |
| | | *For Up To >10, Add* | *170.22* | |
| | | *For >10 To 25, Add* | *111.16* | |
| | | *For >25 To 50, Add* | *75.90* | |
| | | *For >50 To 100, Add* | *37.95* | |
| | | *For >500 To 1,000, Deduct* | *-11.16* | |
| | | *For >1,000 To 2,000, Deduct* | *-17.07* | |
| | | *For >2,000 To 5,000, Deduct* | *-28.61* | |
| | | *For >5,000, Deduct* | *-47.25* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0043 | LF | 9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 243.64 | |
| | | *For Vinlyester Resin, Add* | *150.80* | |
| | | *For Epoxy Resin, Add* | *17.77* | |
| | | *For Up To >10, Add* | *192.35* | |
| | | *For >10 To 25, Add* | *124.38* | |
| | | *For >25 To 50, Add* | *85.40* | |
| | | *For >50 To 100, Add* | *42.70* | |
| | | *For >500 To 1,000, Deduct* | *-12.89* | |
| | | *For >1,000 To 2,000, Deduct* | *-19.68* | |
| | | *For >2,000 To 5,000, Deduct* | *-32.90* | |
| | | *For >5,000, Deduct* | *-54.37* | |
| 33 01 30 72-0044 | LF | 9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 277.53 | |
| | | *For Vinlyester Resin, Add* | *172.72* | |
| | | *For Epoxy Resin, Add* | *20.36* | |
| | | *For Up To >10, Add* | *215.74* | |
| | | *For >10 To 25, Add* | *138.66* | |
| | | *For >25 To 50, Add* | *95.53* | |
| | | *For >50 To 100, Add* | *47.77* | |
| | | *For >500 To 1,000, Deduct* | *-14.65* | |
| | | *For >1,000 To 2,000, Deduct* | *-22.35* | |
| | | *For >2,000 To 5,000, Deduct* | *-37.31* | |
| | | *For >5,000, Deduct* | *-61.66* | |

## 33 01 30 72-0045 10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0046 | LF | 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 200.64 | |
| | | *For Vinlyester Resin, Add* | *124.31* | |
| | | *For Epoxy Resin, Add* | *14.65* | |
| | | *For Up To >10, Add* | *157.97* | |
| | | *For >10 To 25, Add* | *102.05* | |
| | | *For >25 To 50, Add* | *70.11* | |
| | | *For >50 To 100, Add* | *35.05* | |
| | | *For >500 To 1,000, Deduct* | *-10.61* | |
| | | *For >1,000 To 2,000, Deduct* | *-16.20* | |
| | | *For >2,000 To 5,000, Deduct* | *-27.07* | |
| | | *For >5,000, Deduct* | *-44.74* | |
| 33 01 30 72-0047 | LF | 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 240.15 | |
| | | *For Vinlyester Resin, Add* | *149.87* | |
| | | *For Epoxy Resin, Add* | *17.66* | |
| | | *For Up To >10, Add* | *185.20* | |
| | | *For >10 To 25, Add* | *118.65* | |
| | | *For >25 To 50, Add* | *81.90* | |
| | | *For >50 To 100, Add* | *40.95* | |
| | | *For >500 To 1,000, Deduct* | *-12.66* | |
| | | *For >1,000 To 2,000, Deduct* | *-19.31* | |
| | | *For >2,000 To 5,000, Deduct* | *-32.20* | |
| | | *For >5,000, Deduct* | *-53.24* | |
| 33 01 30 72-0048 | LF | 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 278.84 | |
| | | *For Vinlyester Resin, Add* | *175.44* | |
| | | *For Epoxy Resin, Add* | *20.68* | |
| | | *For Up To >10, Add* | *209.95* | |
| | | *For >10 To 25, Add* | *133.18* | |
| | | *For >25 To 50, Add* | *92.44* | |
| | | *For >50 To 100, Add* | *46.22* | |
| | | *For >500 To 1,000, Deduct* | *-14.65* | |
| | | *For >1,000 To 2,000, Deduct* | *-22.32* | |
| | | *For >2,000 To 5,000, Deduct* | *-37.13* | |
| | | *For >5,000, Deduct* | *-61.41* | |
| 33 01 30 72-0049 | LF | 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 317.94 | |
| | | *For Vinlyester Resin, Add* | *201.01* | |
| | | *For Epoxy Resin, Add* | *23.69* | |
| | | *For Up To >10, Add* | *235.95* | |
| | | *For >10 To 25, Add* | *148.76* | |
| | | *For >25 To 50, Add* | *103.62* | |
| | | *For >50 To 100, Add* | *51.81* | |
| | | *For >500 To 1,000, Deduct* | *-16.67* | |
| | | *For >1,000 To 2,000, Deduct* | *-25.39* | |
| | | *For >2,000 To 5,000, Deduct* | *-42.16* | |
| | | *For >5,000, Deduct* | *-69.75* | |
| 33 01 30 72-0050 | LF | 10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 357.58 | |
| | | *For Vinlyester Resin, Add* | *226.57* | |
| | | *For Epoxy Resin, Add* | *26.70* | |
| | | *For Up To >10, Add* | *263.57* | |
| | | *For >10 To 25, Add* | *165.69* | |
| | | *For >25 To 50, Add* | *115.60* | |
| | | *For >50 To 100, Add* | *57.80* | |
| | | *For >500 To 1,000, Deduct* | *-18.73* | |
| | | *For >1,000 To 2,000, Deduct* | *-28.51* | |
| | | *For >2,000 To 5,000, Deduct* | *-47.32* | |
| | | *For >5,000, Deduct* | *-78.30* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0051 | LF | 10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 397.89 | |
| | | *For Vinlyester Resin, Add* | *252.13* | |
| | | *For Epoxy Resin, Add* | *29.72* | |
| | | *For Up To >10, Add* | *293.20* | |
| | | *For >10 To 25, Add* | *184.30* | |
| | | *For >25 To 50, Add* | *128.59* | |
| | | *For >50 To 100, Add* | *64.29* | |
| | | *For >500 To 1,000, Deduct* | *-20.84* | |
| | | *For >1,000 To 2,000, Deduct* | *-31.73* | |
| | | *For >2,000 To 5,000, Deduct* | *-52.65* | |
| | | *For >5,000, Deduct* | *-87.12* | |
| 33 01 30 72-0052 | LF | 10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 475.68 | |
| | | *For Vinlyester Resin, Add* | *303.26* | |
| | | *For Epoxy Resin, Add* | *35.74* | |
| | | *For Up To >10, Add* | *343.97* | |
| | | *For >10 To 25, Add* | *214.43* | |
| | | *For >25 To 50, Add* | *150.32* | |
| | | *For >50 To 100, Add* | *75.16* | |
| | | *For >500 To 1,000, Deduct* | *-24.85* | |
| | | *For >1,000 To 2,000, Deduct* | *-37.80* | |
| | | *For >2,000 To 5,000, Deduct* | *-62.60* | |
| | | *For >5,000, Deduct* | *-103.63* | |

## 33 01 30 72-0053 12mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0054 | LF | 12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 225.18 | |
| | | *For Vinlyester Resin, Add* | *141.48* | |
| | | *For Epoxy Resin, Add* | *16.67* | |
| | | *For Up To >10, Add* | *170.24* | |
| | | *For >10 To 25, Add* | *108.18* | |
| | | *For >25 To 50, Add* | *75.01* | |
| | | *For >50 To 100, Add* | *37.51* | |
| | | *For >500 To 1,000, Deduct* | *-11.84* | |
| | | *For >1,000 To 2,000, Deduct* | *-18.04* | |
| | | *For >2,000 To 5,000, Deduct* | *-30.02* | |
| | | *For >5,000, Deduct* | *-49.65* | |
| 33 01 30 72-0055 | LF | 12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 269.92 | |
| | | *For Vinlyester Resin, Add* | *170.71* | |
| | | *For Epoxy Resin, Add* | *20.12* | |
| | | *For Up To >10, Add* | *200.09* | |
| | | *For >10 To 25, Add* | *126.09* | |
| | | *For >25 To 50, Add* | *87.85* | |
| | | *For >50 To 100, Add* | *43.92* | |
| | | *For >500 To 1,000, Deduct* | *-14.15* | |
| | | *For >1,000 To 2,000, Deduct* | *-21.55* | |
| | | *For >2,000 To 5,000, Deduct* | *-35.78* | |
| | | *For >5,000, Deduct* | *-59.19* | |
| 33 01 30 72-0056 | LF | 12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 313.82 | |
| | | *For Vinlyester Resin, Add* | *199.93* | |
| | | *For Epoxy Resin, Add* | *23.56* | |
| | | *For Up To >10, Add* | *227.44* | |
| | | *For >10 To 25, Add* | *141.93* | |
| | | *For >25 To 50, Add* | *99.44* | |
| | | *For >50 To 100, Add* | *49.72* | |
| | | *For >500 To 1,000, Deduct* | *-16.40* | |
| | | *For >1,000 To 2,000, Deduct* | *-24.95* | |
| | | *For >2,000 To 5,000, Deduct* | *-41.33* | |
| | | *For >5,000, Deduct* | *-68.41* | |
| 33 01 30 72-0057 | LF | 12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 358.14 | |
| | | *For Vinlyester Resin, Add* | *229.15* | |
| | | *For Epoxy Resin, Add* | *27.01* | |
| | | *For Up To >10, Add* | *256.05* | |
| | | *For >10 To 25, Add* | *158.81* | |
| | | *For >25 To 50, Add* | *111.66* | |
| | | *For >50 To 100, Add* | *55.83* | |
| | | *For >500 To 1,000, Deduct* | *-18.68* | |
| | | *For >1,000 To 2,000, Deduct* | *-28.40* | |
| | | *For >2,000 To 5,000, Deduct* | *-46.98* | |
| | | *For >5,000, Deduct* | *-77.79* | |
| 33 01 30 72-0058 | LF | 12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 402.99 | |
| | | *For Vinlyester Resin, Add* | *258.36* | |
| | | *For Epoxy Resin, Add* | *30.45* | |
| | | *For Up To >10, Add* | *286.27* | |
| | | *For >10 To 25, Add* | *177.05* | |
| | | *For >25 To 50, Add* | *124.68* | |
| | | *For >50 To 100, Add* | *62.34* | |
| | | *For >500 To 1,000, Deduct* | *-21.00* | |
| | | *For >1,000 To 2,000, Deduct* | *-31.92* | |
| | | *For >2,000 To 5,000, Deduct* | *-52.77* | |
| | | *For >5,000, Deduct* | *-87.38* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0059 | LF | 12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 448.52 | |
| | | *For Vinlyester Resin, Add* | *287.57* | |
| | | *For Epoxy Resin, Add* | *33.89* | |
| | | *For Up To >10, Add* | *318.51* | |
| | | *For >10 To 25, Add* | *196.96* | |
| | | *For >25 To 50, Add* | *138.71* | |
| | | *For >50 To 100, Add* | *69.36* | |
| | | *For >500 To 1,000, Deduct* | *-23.37* | |
| | | *For >1,000 To 2,000, Deduct* | *-35.52* | |
| | | *For >2,000 To 5,000, Deduct* | *-58.72* | |
| | | *For >5,000, Deduct* | *-97.24* | |
| 33 01 30 72-0060 | LF | 12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 536.76 | |
| | | *For Vinlyester Resin, Add* | *346.02* | |
| | | *For Epoxy Resin, Add* | *40.78* | |
| | | *For Up To >10, Add* | *374.51* | |
| | | *For >10 To 25, Add* | *229.70* | |
| | | *For >25 To 50, Add* | *162.54* | |
| | | *For >50 To 100, Add* | *81.27* | |
| | | *For >500 To 1,000, Deduct* | *-27.90* | |
| | | *For >1,000 To 2,000, Deduct* | *-42.38* | |
| | | *For >2,000 To 5,000, Deduct* | *-69.93* | |
| | | *For >5,000, Deduct* | *-115.84* | |
| 33 01 30 72-0061 | LF | 12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 626.20 | |
| | | *For Vinlyester Resin, Add* | *404.45* | |
| | | *For Epoxy Resin, Add* | *47.67* | |
| | | *For Up To >10, Add* | *434.15* | |
| | | *For >10 To 25, Add* | *265.50* | |
| | | *For >25 To 50, Add* | *188.19* | |
| | | *For >50 To 100, Add* | *94.09* | |
| | | *For >500 To 1,000, Deduct* | *-32.52* | |
| | | *For >1,000 To 2,000, Deduct* | *-49.39* | |
| | | *For >2,000 To 5,000, Deduct* | *-81.44* | |
| | | *For >5,000, Deduct* | *-134.92* | |
| 33 01 30 72-0062 | LF | 12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 717.82 | |
| | | *For Vinlyester Resin, Add* | *462.88* | |
| | | *For Epoxy Resin, Add* | *54.55* | |
| | | *For Up To >10, Add* | *500.31* | |
| | | *For >10 To 25, Add* | *306.72* | |
| | | *For >25 To 50, Add* | *217.09* | |
| | | *For >50 To 100, Add* | *108.55* | |
| | | *For >500 To 1,000, Deduct* | *-37.31* | |
| | | *For >1,000 To 2,000, Deduct* | *-56.66* | |
| | | *For >2,000 To 5,000, Deduct* | *-93.49* | |
| | | *For >5,000, Deduct* | *-154.88* | |

## 33 01 30 72-0063 13.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0064 | LF | 13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 249.52 | |
| | | *For Vinlyester Resin, Add* | *158.52* | |
| | | *For Epoxy Resin, Add* | *18.68* | |
| | | *For Up To >10, Add* | *182.41* | |
| | | *For >10 To 25, Add* | *114.27* | |
| | | *For >25 To 50, Add* | *79.88* | |
| | | *For >50 To 100, Add* | *39.94* | |
| | | *For >500 To 1,000, Deduct* | *-13.05* | |
| | | *For >1,000 To 2,000, Deduct* | *-19.87* | |
| | | *For >2,000 To 5,000, Deduct* | *-32.94* | |
| | | *For >5,000, Deduct* | *-54.52* | |
| 33 01 30 72-0065 | LF | 13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 299.48 | |
| | | *For Vinlyester Resin, Add* | *191.40* | |
| | | *For Epoxy Resin, Add* | *22.56* | |
| | | *For Up To >10, Add* | *214.87* | |
| | | *For >10 To 25, Add* | *133.48* | |
| | | *For >25 To 50, Add* | *93.76* | |
| | | *For >50 To 100, Add* | *46.88* | |
| | | *For >500 To 1,000, Deduct* | *-15.63* | |
| | | *For >1,000 To 2,000, Deduct* | *-23.76* | |
| | | *For >2,000 To 5,000, Deduct* | *-39.32* | |
| | | *For >5,000, Deduct* | *-65.11* | |
| 33 01 30 72-0066 | LF | 13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 348.60 | |
| | | *For Vinlyester Resin, Add* | *224.27* | |
| | | *For Epoxy Resin, Add* | *26.43* | |
| | | *For Up To >10, Add* | *244.83* | |
| | | *For >10 To 25, Add* | *150.62* | |
| | | *For >25 To 50, Add* | *106.39* | |
| | | *For >50 To 100, Add* | *53.20* | |
| | | *For >500 To 1,000, Deduct* | *-18.14* | |
| | | *For >1,000 To 2,000, Deduct* | *-27.56* | |
| | | *For >2,000 To 5,000, Deduct* | *-45.50* | |
| | | *For >5,000, Deduct* | *-75.36* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0067 | LF | 13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 398.13 | |
| | | *For Vinlyester Resin, Add* | *257.14* | |
| | | *For Epoxy Resin, Add* | *30.31* | |
| | | *For Up To >10, Add* | *276.04* | |
| | | *For >10 To 25, Add* | *168.81* | |
| | | *For >25 To 50, Add* | *119.65* | |
| | | *For >50 To 100, Add* | *59.83* | |
| | | *For >500 To 1,000, Deduct* | *-20.68* | |
| | | *For >1,000 To 2,000, Deduct* | *-31.40* | |
| | | *For >2,000 To 5,000, Deduct* | *-51.78* | |
| | | *For >5,000, Deduct* | *-85.78* | |
| 33 01 30 72-0068 | LF | 13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 448.21 | |
| | | *For Vinlyester Resin, Add* | *290.01* | |
| | | *For Epoxy Resin, Add* | *34.18* | |
| | | *For Up To >10, Add* | *308.88* | |
| | | *For >10 To 25, Add* | *188.35* | |
| | | *For >25 To 50, Add* | *133.73* | |
| | | *For >50 To 100, Add* | *66.86* | |
| | | *For >500 To 1,000, Deduct* | *-23.26* | |
| | | *For >1,000 To 2,000, Deduct* | *-35.31* | |
| | | *For >2,000 To 5,000, Deduct* | *-58.19* | |
| | | *For >5,000, Deduct* | *-96.42* | |
| 33 01 30 72-0069 | LF | 13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 498.96 | |
| | | *For Vinlyester Resin, Add* | *322.88* | |
| | | *For Epoxy Resin, Add* | *38.05* | |
| | | *For Up To >10, Add* | *343.73* | |
| | | *For >10 To 25, Add* | *209.57* | |
| | | *For >25 To 50, Add* | *148.80* | |
| | | *For >50 To 100, Add* | *74.40* | |
| | | *For >500 To 1,000, Deduct* | *-25.89* | |
| | | *For >1,000 To 2,000, Deduct* | *-39.31* | |
| | | *For >2,000 To 5,000, Deduct* | *-64.78* | |
| | | *For >5,000, Deduct* | *-107.33* | |
| 33 01 30 72-0070 | LF | 13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 597.62 | |
| | | *For Vinlyester Resin, Add* | *388.62* | |
| | | *For Epoxy Resin, Add* | *45.80* | |
| | | *For Up To >10, Add* | *404.94* | |
| | | *For >10 To 25, Add* | *244.92* | |
| | | *For >25 To 50, Add* | *174.71* | |
| | | *For >50 To 100, Add* | *87.35* | |
| | | *For >500 To 1,000, Deduct* | *-30.94* | |
| | | *For >1,000 To 2,000, Deduct* | *-46.94* | |
| | | *For >2,000 To 5,000, Deduct* | *-77.23* | |
| | | *For >5,000, Deduct* | *-128.01* | |
| 33 01 30 72-0071 | LF | 13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 697.50 | |
| | | *For Vinlyester Resin, Add* | *454.36* | |
| | | *For Epoxy Resin, Add* | *53.55* | |
| | | *For Up To >10, Add* | *469.80* | |
| | | *For >10 To 25, Add* | *283.32* | |
| | | *For >25 To 50, Add* | *202.45* | |
| | | *For >50 To 100, Add* | *101.22* | |
| | | *For >500 To 1,000, Deduct* | *-36.09* | |
| | | *For >1,000 To 2,000, Deduct* | *-54.73* | |
| | | *For >2,000 To 5,000, Deduct* | *-89.99* | |
| | | *For >5,000, Deduct* | *-149.18* | |
| 33 01 30 72-0072 | LF | 13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 799.56 | |
| | | *For Vinlyester Resin, Add* | *520.10* | |
| | | *For Epoxy Resin, Add* | *61.30* | |
| | | *For Up To >10, Add* | *541.18* | |
| | | *For >10 To 25, Add* | *327.15* | |
| | | *For >25 To 50, Add* | *233.44* | |
| | | *For >50 To 100, Add* | *116.72* | |
| | | *For >500 To 1,000, Deduct* | *-41.39* | |
| | | *For >1,000 To 2,000, Deduct* | *-62.80* | |
| | | *For >2,000 To 5,000, Deduct* | *-103.30* | |
| | | *For >5,000, Deduct* | *-171.22* | |

## 33 01 30 72-0073 15mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0074 | LF | 15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 273.66 | |
| | | *For Vinlyester Resin, Add* | *175.42* | |
| | | *For Epoxy Resin, Add* | *20.67* | |
| | | *For Up To >10, Add* | *194.48* | |
| | | *For >10 To 25, Add* | *120.30* | |
| | | *For >25 To 50, Add* | *84.71* | |
| | | *For >50 To 100, Add* | *42.36* | |
| | | *For >500 To 1,000, Deduct* | *-14.26* | |
| | | *For >1,000 To 2,000, Deduct* | *-21.68* | |
| | | *For >2,000 To 5,000, Deduct* | *-35.84* | |
| | | *For >5,000, Deduct* | *-59.34* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0075 | LF | 15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 328.83 | |
| | | *For Vinlyester Resin, Add* | *211.95* | |
| | | *For Epoxy Resin, Add* | *24.98* | |
| | | *For Up To >10, Add* | *229.54* | |
| | | *For >10 To 25, Add* | *140.82* | |
| | | *For >25 To 50, Add* | *99.63* | |
| | | *For >50 To 100, Add* | *49.82* | |
| | | *For >500 To 1,000, Deduct* | *-17.09* | |
| | | *For >1,000 To 2,000, Deduct* | *-25.96* | |
| | | *For >2,000 To 5,000, Deduct* | *-42.85* | |
| | | *For >5,000, Deduct* | *-70.98* | |
| 33 01 30 72-0076 | LF | 15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 383.16 | |
| | | *For Vinlyester Resin, Add* | *248.47* | |
| | | *For Epoxy Resin, Add* | *29.28* | |
| | | *For Up To >10, Add* | *262.11* | |
| | | *For >10 To 25, Add* | *159.26* | |
| | | *For >25 To 50, Add* | *113.31* | |
| | | *For >50 To 100, Add* | *56.65* | |
| | | *For >500 To 1,000, Deduct* | *-19.86* | |
| | | *For >1,000 To 2,000, Deduct* | *-30.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-49.65* | |
| | | *For >5,000, Deduct* | *-82.27* | |
| 33 01 30 72-0077 | LF | 15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 437.92 | |
| | | *For Vinlyester Resin, Add* | *284.99* | |
| | | *For Epoxy Resin, Add* | *33.59* | |
| | | *For Up To >10, Add* | *295.94* | |
| | | *For >10 To 25, Add* | *178.76* | |
| | | *For >25 To 50, Add* | *127.61* | |
| | | *For >50 To 100, Add* | *63.81* | |
| | | *For >500 To 1,000, Deduct* | *-22.67* | |
| | | *For >1,000 To 2,000, Deduct* | *-34.38* | |
| | | *For >2,000 To 5,000, Deduct* | *-56.55* | |
| | | *For >5,000, Deduct* | *-93.74* | |
| 33 01 30 72-0078 | LF | 15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 493.21 | |
| | | *For Vinlyester Resin, Add* | *321.51* | |
| | | *For Epoxy Resin, Add* | *37.89* | |
| | | *For Up To >10, Add* | *331.38* | |
| | | *For >10 To 25, Add* | *199.60* | |
| | | *For >25 To 50, Add* | *142.73* | |
| | | *For >50 To 100, Add* | *71.36* | |
| | | *For >500 To 1,000, Deduct* | *-25.51* | |
| | | *For >1,000 To 2,000, Deduct* | *-38.69* | |
| | | *For >2,000 To 5,000, Deduct* | *-63.59* | |
| | | *For >5,000, Deduct* | *-105.42* | |
| 33 01 30 72-0079 | LF | 15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 549.18 | |
| | | *For Vinlyester Resin, Add* | *358.04* | |
| | | *For Epoxy Resin, Add* | *42.20* | |
| | | *For Up To >10, Add* | *368.84* | |
| | | *For >10 To 25, Add* | *222.12* | |
| | | *For >25 To 50, Add* | *158.85* | |
| | | *For >50 To 100, Add* | *79.42* | |
| | | *For >500 To 1,000, Deduct* | *-28.40* | |
| | | *For >1,000 To 2,000, Deduct* | *-43.07* | |
| | | *For >2,000 To 5,000, Deduct* | *-70.80* | |
| | | *For >5,000, Deduct* | *-117.38* | |
| 33 01 30 72-0080 | LF | 15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 658.28 | |
| | | *For Vinlyester Resin, Add* | *431.08* | |
| | | *For Epoxy Resin, Add* | *50.81* | |
| | | *For Up To >10, Add* | *435.27* | |
| | | *For >10 To 25, Add* | *260.08* | |
| | | *For >25 To 50, Add* | *186.84* | |
| | | *For >50 To 100, Add* | *93.42* | |
| | | *For >500 To 1,000, Deduct* | *-33.98* | |
| | | *For >1,000 To 2,000, Deduct* | *-51.49* | |
| | | *For >2,000 To 5,000, Deduct* | *-84.51* | |
| | | *For >5,000, Deduct* | *-140.15* | |
| 33 01 30 72-0081 | LF | 15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 768.60 | |
| | | *For Vinlyester Resin, Add* | *504.13* | |
| | | *For Epoxy Resin, Add* | *59.41* | |
| | | *For Up To >10, Add* | *505.35* | |
| | | *For >10 To 25, Add* | *301.10* | |
| | | *For >25 To 50, Add* | *216.67* | |
| | | *For >50 To 100, Add* | *108.33* | |
| | | *For >500 To 1,000, Deduct* | *-39.64* | |
| | | *For >1,000 To 2,000, Deduct* | *-60.07* | |
| | | *For >2,000 To 5,000, Deduct* | *-98.53* | |
| | | *For >5,000, Deduct* | *-163.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0082 | LF | 15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 881.09 | |
| | | *For Vinlyester Resin, Add* | *577.17* | |
| | | *For Epoxy Resin, Add* | *68.02* | |
| | | *For Up To >10, Add* | *581.95* | |
| | | *For >10 To 25, Add* | *347.53* | |
| | | *For >25 To 50, Add* | *249.75* | |
| | | *For >50 To 100, Add* | *124.87* | |
| | | *For >500 To 1,000, Deduct* | *-45.47* | |
| | | *For >1,000 To 2,000, Deduct* | *-68.91* | |
| | | *For >2,000 To 5,000, Deduct* | *-113.08* | |
| | | *For >5,000, Deduct* | *-187.53* | |

## 33 01 30 72-0083 16.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0084 | LF | 16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 357.97 | |
| | | *For Vinlyester Resin, Add* | *232.34* | |
| | | *For Epoxy Resin, Add* | *27.38* | |
| | | *For Up To >10, Add* | *244.11* | |
| | | *For >10 To 25, Add* | *148.11* | |
| | | *For >25 To 50, Add* | *105.46* | |
| | | *For >50 To 100, Add* | *52.73* | |
| | | *For >500 To 1,000, Deduct* | *-18.55* | |
| | | *For >1,000 To 2,000, Deduct* | *-28.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-46.34* | |
| | | *For >5,000, Deduct* | *-76.80* | |
| 33 01 30 72-0085 | LF | 16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 417.53 | |
| | | *For Vinlyester Resin, Add* | *272.52* | |
| | | *For Epoxy Resin, Add* | *32.12* | |
| | | *For Up To >10, Add* | *279.29* | |
| | | *For >10 To 25, Add* | *167.86* | |
| | | *For >25 To 50, Add* | *120.18* | |
| | | *For >50 To 100, Add* | *60.09* | |
| | | *For >500 To 1,000, Deduct* | *-21.58* | |
| | | *For >1,000 To 2,000, Deduct* | *-32.73* | |
| | | *For >2,000 To 5,000, Deduct* | *-53.77* | |
| | | *For >5,000, Deduct* | *-89.15* | |
| 33 01 30 72-0086 | LF | 16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 477.50 | |
| | | *For Vinlyester Resin, Add* | *312.70* | |
| | | *For Epoxy Resin, Add* | *36.85* | |
| | | *For Up To >10, Add* | *315.73* | |
| | | *For >10 To 25, Add* | *188.65* | |
| | | *For >25 To 50, Add* | *135.53* | |
| | | *For >50 To 100, Add* | *67.76* | |
| | | *For >500 To 1,000, Deduct* | *-24.64* | |
| | | *For >1,000 To 2,000, Deduct* | *-37.35* | |
| | | *For >2,000 To 5,000, Deduct* | *-61.30* | |
| | | *For >5,000, Deduct* | *-101.66* | |
| 33 01 30 72-0087 | LF | 16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 538.01 | |
| | | *For Vinlyester Resin, Add* | *352.87* | |
| | | *For Epoxy Resin, Add* | *41.59* | |
| | | *For Up To >10, Add* | *353.78* | |
| | | *For >10 To 25, Add* | *210.80* | |
| | | *For >25 To 50, Add* | *151.69* | |
| | | *For >50 To 100, Add* | *75.84* | |
| | | *For >500 To 1,000, Deduct* | *-27.75* | |
| | | *For >1,000 To 2,000, Deduct* | *-42.05* | |
| | | *For >2,000 To 5,000, Deduct* | *-68.97* | |
| | | *For >5,000, Deduct* | *-114.38* | |
| 33 01 30 72-0088 | LF | 16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 599.20 | |
| | | *For Vinlyester Resin, Add* | *393.05* | |
| | | *For Epoxy Resin, Add* | *46.32* | |
| | | *For Up To >10, Add* | *393.85* | |
| | | *For >10 To 25, Add* | *234.63* | |
| | | *For >25 To 50, Add* | *168.85* | |
| | | *For >50 To 100, Add* | *84.43* | |
| | | *For >500 To 1,000, Deduct* | *-30.90* | |
| | | *For >1,000 To 2,000, Deduct* | *-46.83* | |
| | | *For >2,000 To 5,000, Deduct* | *-76.81* | |
| | | *For >5,000, Deduct* | *-127.38* | |
| 33 01 30 72-0089 | LF | 16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 718.73 | |
| | | *For Vinlyester Resin, Add* | *473.40* | |
| | | *For Epoxy Resin, Add* | *55.79* | |
| | | *For Up To >10, Add* | *465.49* | |
| | | *For >10 To 25, Add* | *275.20* | |
| | | *For >25 To 50, Add* | *198.93* | |
| | | *For >50 To 100, Add* | *99.47* | |
| | | *For >500 To 1,000, Deduct* | *-37.00* | |
| | | *For >1,000 To 2,000, Deduct* | *-56.03* | |
| | | *For >2,000 To 5,000, Deduct* | *-91.77* | |
| | | *For >5,000, Deduct* | *-152.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0090 | LF | 16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 839.48 | |
| | | *For Vinlyester Resin, Add* | *553.74* | |
| | | *For Epoxy Resin, Add* | *65.26* | |
| | | *For Up To >10, Add* | *540.79* | |
| | | *For >10 To 25, Add* | *318.82* | |
| | | *For >25 To 50, Add* | *230.84* | |
| | | *For >50 To 100, Add* | *115.42* | |
| | | *For >500 To 1,000, Deduct* | *-43.18* | |
| | | *For >1,000 To 2,000, Deduct* | *-65.38* | |
| | | *For >2,000 To 5,000, Deduct* | *-107.03* | |
| | | *For >5,000, Deduct* | *-177.58* | |
| 33 01 30 72-0091 | LF | 16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 962.41 | |
| | | *For Vinlyester Resin, Add* | *634.10* | |
| | | *For Epoxy Resin, Add* | *74.73* | |
| | | *For Up To >10, Add* | *622.61* | |
| | | *For >10 To 25, Add* | *367.86* | |
| | | *For >25 To 50, Add* | *266.01* | |
| | | *For >50 To 100, Add* | *133.01* | |
| | | *For >500 To 1,000, Deduct* | *-49.53* | |
| | | *For >1,000 To 2,000, Deduct* | *-75.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-122.84* | |
| | | *For >5,000, Deduct* | *-203.79* | |
| 33 01 30 72-0092 | LF | 16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,084.38 | |
| | | *For Vinlyester Resin, Add* | *714.44* | |
| | | *For Epoxy Resin, Add* | *84.20* | |
| | | *For Up To >10, Add* | *701.57* | |
| | | *For >10 To 25, Add* | *414.53* | |
| | | *For >25 To 50, Add* | *299.75* | |
| | | *For >50 To 100, Add* | *149.88* | |
| | | *For >500 To 1,000, Deduct* | *-55.81* | |
| | | *For >1,000 To 2,000, Deduct* | *-84.52* | |
| | | *For >2,000 To 5,000, Deduct* | *-138.41* | |
| | | *For >5,000, Deduct* | *-229.63* | |

## 33 01 30 72-0093 18mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0094 | LF | 18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 387.60 | |
| | | *For Vinlyester Resin, Add* | *252.61* | |
| | | *For Epoxy Resin, Add* | *29.77* | |
| | | *For Up To >10, Add* | *260.63* | |
| | | *For >10 To 25, Add* | *157.04* | |
| | | *For >25 To 50, Add* | *112.27* | |
| | | *For >50 To 100, Add* | *56.13* | |
| | | *For >500 To 1,000, Deduct* | *-20.05* | |
| | | *For >1,000 To 2,000, Deduct* | *-30.41* | |
| | | *For >2,000 To 5,000, Deduct* | *-49.99* | |
| | | *For >5,000, Deduct* | *-82.87* | |
| 33 01 30 72-0095 | LF | 18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 452.51 | |
| | | *For Vinlyester Resin, Add* | *296.44* | |
| | | *For Epoxy Resin, Add* | *34.94* | |
| | | *For Up To >10, Add* | *298.83* | |
| | | *For >10 To 25, Add* | *178.45* | |
| | | *For >25 To 50, Add* | *128.24* | |
| | | *For >50 To 100, Add* | *64.12* | |
| | | *For >500 To 1,000, Deduct* | *-23.35* | |
| | | *For >1,000 To 2,000, Deduct* | *-35.39* | |
| | | *For >2,000 To 5,000, Deduct* | *-58.08* | |
| | | *For >5,000, Deduct* | *-96.31* | |
| 33 01 30 72-0096 | LF | 18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 517.69 | |
| | | *For Vinlyester Resin, Add* | *340.26* | |
| | | *For Epoxy Resin, Add* | *40.10* | |
| | | *For Up To >10, Add* | *337.85* | |
| | | *For >10 To 25, Add* | *200.52* | |
| | | *For >25 To 50, Add* | *144.62* | |
| | | *For >50 To 100, Add* | *72.31* | |
| | | *For >500 To 1,000, Deduct* | *-26.67* | |
| | | *For >1,000 To 2,000, Deduct* | *-40.41* | |
| | | *For >2,000 To 5,000, Deduct* | *-66.23* | |
| | | *For >5,000, Deduct* | *-109.86* | |
| 33 01 30 72-0097 | LF | 18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 583.56 | |
| | | *For Vinlyester Resin, Add* | *384.09* | |
| | | *For Epoxy Resin, Add* | *45.27* | |
| | | *For Up To >10, Add* | *378.93* | |
| | | *For >10 To 25, Add* | *224.33* | |
| | | *For >25 To 50, Add* | *162.03* | |
| | | *For >50 To 100, Add* | *81.02* | |
| | | *For >500 To 1,000, Deduct* | *-30.05* | |
| | | *For >1,000 To 2,000, Deduct* | *-45.51* | |
| | | *For >2,000 To 5,000, Deduct* | *-74.56* | |
| | | *For >5,000, Deduct* | *-123.68* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0098 | LF | 18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 649.96 | |
| | | *For Vinlyester Resin, Add* | *427.91* | |
| | | *For Epoxy Resin, Add* | *50.43* | |
| | | *For Up To >10, Add* | *421.63* | |
| | | *For >10 To 25, Add* | *249.48* | |
| | | *For >25 To 50, Add* | *180.25* | |
| | | *For >50 To 100, Add* | *90.13* | |
| | | *For >500 To 1,000, Deduct* | *-33.46* | |
| | | *For >1,000 To 2,000, Deduct* | *-50.68* | |
| | | *For >2,000 To 5,000, Deduct* | *-83.02* | |
| | | *For >5,000, Deduct* | *-137.72* | |
| 33 01 30 72-0099 | LF | 18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 781.02 | |
| | | *For Vinlyester Resin, Add* | *515.57* | |
| | | *For Epoxy Resin, Add* | *60.76* | |
| | | *For Up To >10, Add* | *501.74* | |
| | | *For >10 To 25, Add* | *295.36* | |
| | | *For >25 To 50, Add* | *214.04* | |
| | | *For >50 To 100, Add* | *107.02* | |
| | | *For >500 To 1,000, Deduct* | *-40.16* | |
| | | *For >1,000 To 2,000, Deduct* | *-60.80* | |
| | | *For >2,000 To 5,000, Deduct* | *-99.51* | |
| | | *For >5,000, Deduct* | *-165.10* | |
| 33 01 30 72-0100 | LF | 18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 912.62 | |
| | | *For Vinlyester Resin, Add* | *603.23* | |
| | | *For Epoxy Resin, Add* | *71.09* | |
| | | *For Up To >10, Add* | *583.49* | |
| | | *For >10 To 25, Add* | *342.61* | |
| | | *For >25 To 50, Add* | *248.66* | |
| | | *For >50 To 100, Add* | *124.33* | |
| | | *For >500 To 1,000, Deduct* | *-46.90* | |
| | | *For >1,000 To 2,000, Deduct* | *-70.99* | |
| | | *For >2,000 To 5,000, Deduct* | *-116.13* | |
| | | *For >5,000, Deduct* | *-192.70* | |
| 33 01 30 72-0101 | LF | 18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,046.38 | |
| | | *For Vinlyester Resin, Add* | *690.88* | |
| | | *For Epoxy Resin, Add* | *81.43* | |
| | | *For Up To >10, Add* | *671.72* | |
| | | *For >10 To 25, Add* | *395.27* | |
| | | *For >25 To 50, Add* | *286.51* | |
| | | *For >50 To 100, Add* | *143.25* | |
| | | *For >500 To 1,000, Deduct* | *-53.80* | |
| | | *For >1,000 To 2,000, Deduct* | *-81.45* | |
| | | *For >2,000 To 5,000, Deduct* | *-133.29* | |
| | | *For >5,000, Deduct* | *-221.16* | |
| 33 01 30 72-0102 | LF | 18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,179.19 | |
| | | *For Vinlyester Resin, Add* | *778.53* | |
| | | *For Epoxy Resin, Add* | *91.76* | |
| | | *For Up To >10, Add* | *757.10* | |
| | | *For >10 To 25, Add* | *445.55* | |
| | | *For >25 To 50, Add* | *322.94* | |
| | | *For >50 To 100, Add* | *161.47* | |
| | | *For >500 To 1,000, Deduct* | *-60.63* | |
| | | *For >1,000 To 2,000, Deduct* | *-91.79* | |
| | | *For >2,000 To 5,000, Deduct* | *-150.21* | |
| | | *For >5,000, Deduct* | *-249.24* | |
| 33 01 30 72-0103 | LF | 18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,311.86 | |
| | | *For Vinlyester Resin, Add* | *866.18* | |
| | | *For Epoxy Resin, Add* | *102.09* | |
| | | *For Up To >10, Add* | *842.08* | |
| | | *For >10 To 25, Add* | *495.50* | |
| | | *For >25 To 50, Add* | *359.17* | |
| | | *For >50 To 100, Add* | *179.59* | |
| | | *For >500 To 1,000, Deduct* | *-67.45* | |
| | | *For >1,000 To 2,000, Deduct* | *-102.11* | |
| | | *For >2,000 To 5,000, Deduct* | *-167.10* | |
| | | *For >5,000, Deduct* | *-277.26* | |
| 33 01 30 72-0104 | LF | 18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,445.10 | |
| | | *For Vinlyester Resin, Add* | *953.84* | |
| | | *For Epoxy Resin, Add* | *112.42* | |
| | | *For Up To >10, Add* | *928.73* | |
| | | *For >10 To 25, Add* | *546.83* | |
| | | *For >25 To 50, Add* | *396.23* | |
| | | *For >50 To 100, Add* | *198.12* | |
| | | *For >500 To 1,000, Deduct* | *-74.32* | |
| | | *For >1,000 To 2,000, Deduct* | *-112.51* | |
| | | *For >2,000 To 5,000, Deduct* | *-184.13* | |
| | | *For >5,000, Deduct* | *-305.51* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0105 | LF | 18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,577.90 | |
| | | *For Vinlyester Resin, Add* | *1,041.49* | |
| | | *For Epoxy Resin, Add* | *122.75* | |
| | | *For Up To >10, Add* | *1,014.10* | |
| | | *For >10 To 25, Add* | *597.11* | |
| | | *For >25 To 50, Add* | *432.66* | |
| | | *For >50 To 100, Add* | *216.33* | |
| | | *For >500 To 1,000, Deduct* | *-81.15* | |
| | | *For >1,000 To 2,000, Deduct* | *-122.85* | |
| | | *For >2,000 To 5,000, Deduct* | *-201.06* | |
| | | *For >5,000, Deduct* | *-333.59* | |

## 33 01 30 72-0106 19.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0107 | LF | 19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 417.42 | |
| | | *For Vinlyester Resin, Add* | *272.73* | |
| | | *For Epoxy Resin, Add* | *32.14* | |
| | | *For Up To >10, Add* | *278.24* | |
| | | *For >10 To 25, Add* | *166.93* | |
| | | *For >25 To 50, Add* | *119.64* | |
| | | *For >50 To 100, Add* | *59.82* | |
| | | *For >500 To 1,000, Deduct* | *-21.57* | |
| | | *For >1,000 To 2,000, Deduct* | *-32.70* | |
| | | *For >2,000 To 5,000, Deduct* | *-53.71* | |
| | | *For >5,000, Deduct* | *-89.05* | |
| 33 01 30 72-0108 | LF | 19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 487.56 | |
| | | *For Vinlyester Resin, Add* | *320.21* | |
| | | *For Epoxy Resin, Add* | *37.74* | |
| | | *For Up To >10, Add* | *319.08* | |
| | | *For >10 To 25, Add* | *189.66* | |
| | | *For >25 To 50, Add* | *136.67* | |
| | | *For >50 To 100, Add* | *68.33* | |
| | | *For >500 To 1,000, Deduct* | *-25.13* | |
| | | *For >1,000 To 2,000, Deduct* | *-38.07* | |
| | | *For >2,000 To 5,000, Deduct* | *-62.42* | |
| | | *For >5,000, Deduct* | *-103.54* | |
| 33 01 30 72-0109 | LF | 19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 558.09 | |
| | | *For Vinlyester Resin, Add* | *367.68* | |
| | | *For Epoxy Resin, Add* | *43.33* | |
| | | *For Up To >10, Add* | *361.12* | |
| | | *For >10 To 25, Add* | *213.39* | |
| | | *For >25 To 50, Add* | *154.30* | |
| | | *For >50 To 100, Add* | *77.15* | |
| | | *For >500 To 1,000, Deduct* | *-28.73* | |
| | | *For >1,000 To 2,000, Deduct* | *-43.50* | |
| | | *For >2,000 To 5,000, Deduct* | *-71.24* | |
| | | *For >5,000, Deduct* | *-118.18* | |
| 33 01 30 72-0110 | LF | 19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 628.90 | |
| | | *For Vinlyester Resin, Add* | *415.16* | |
| | | *For Epoxy Resin, Add* | *48.93* | |
| | | *For Up To >10, Add* | *403.98* | |
| | | *For >10 To 25, Add* | *237.80* | |
| | | *For >25 To 50, Add* | *172.33* | |
| | | *For >50 To 100, Add* | *86.17* | |
| | | *For >500 To 1,000, Deduct* | *-32.34* | |
| | | *For >1,000 To 2,000, Deduct* | *-48.96* | |
| | | *For >2,000 To 5,000, Deduct* | *-80.12* | |
| | | *For >5,000, Deduct* | *-132.94* | |
| 33 01 30 72-0111 | LF | 19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 700.80 | |
| | | *For Vinlyester Resin, Add* | *462.64* | |
| | | *For Epoxy Resin, Add* | *54.53* | |
| | | *For Up To >10, Add* | *450.10* | |
| | | *For >10 To 25, Add* | *264.93* | |
| | | *For >25 To 50, Add* | *192.00* | |
| | | *For >50 To 100, Add* | *96.00* | |
| | | *For >500 To 1,000, Deduct* | *-36.04* | |
| | | *For >1,000 To 2,000, Deduct* | *-54.55* | |
| | | *For >2,000 To 5,000, Deduct* | *-89.28* | |
| | | *For >5,000, Deduct* | *-148.14* | |
| 33 01 30 72-0112 | LF | 19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 843.50 | |
| | | *For Vinlyester Resin, Add* | *557.60* | |
| | | *For Epoxy Resin, Add* | *65.72* | |
| | | *For Up To >10, Add* | *539.08* | |
| | | *For >10 To 25, Add* | *316.47* | |
| | | *For >25 To 50, Add* | *229.71* | |
| | | *For >50 To 100, Add* | *114.85* | |
| | | *For >500 To 1,000, Deduct* | *-43.35* | |
| | | *For >1,000 To 2,000, Deduct* | *-65.61* | |
| | | *For >2,000 To 5,000, Deduct* | *-107.32* | |
| | | *For >5,000, Deduct* | *-178.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0113 | LF | 19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 986.61 | |
| | | *For Vinlyester Resin, Add* | *652.55* | |
| | | *For Epoxy Resin, Add* | *76.91* | |
| | | *For Up To >10, Add* | *629.28* | |
| | | *For >10 To 25, Add* | *369.03* | |
| | | *For >25 To 50, Add* | *268.03* | |
| | | *For >50 To 100, Add* | *134.01* | |
| | | *For >500 To 1,000, Deduct* | *-50.69* | |
| | | *For >1,000 To 2,000, Deduct* | *-76.72* | |
| | | *For >2,000 To 5,000, Deduct* | *-125.46* | |
| | | *For >5,000, Deduct* | *-208.20* | |
| 33 01 30 72-0114 | LF | 19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,130.68 | |
| | | *For Vinlyester Resin, Add* | *747.52* | |
| | | *For Epoxy Resin, Add* | *88.10* | |
| | | *For Up To >10, Add* | *722.34* | |
| | | *For >10 To 25, Add* | *423.97* | |
| | | *For >25 To 50, Add* | *307.78* | |
| | | *For >50 To 100, Add* | *153.89* | |
| | | *For >500 To 1,000, Deduct* | *-58.10* | |
| | | *For >1,000 To 2,000, Deduct* | *-87.94* | |
| | | *For >2,000 To 5,000, Deduct* | *-143.85* | |
| | | *For >5,000, Deduct* | *-238.70* | |
| 33 01 30 72-0115 | LF | 19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,274.33 | |
| | | *For Vinlyester Resin, Add* | *842.47* | |
| | | *For Epoxy Resin, Add* | *99.29* | |
| | | *For Up To >10, Add* | *814.17* | |
| | | *For >10 To 25, Add* | *477.88* | |
| | | *For >25 To 50, Add* | *346.91* | |
| | | *For >50 To 100, Add* | *173.45* | |
| | | *For >500 To 1,000, Deduct* | *-65.49* | |
| | | *For >1,000 To 2,000, Deduct* | *-99.11* | |
| | | *For >2,000 To 5,000, Deduct* | *-162.12* | |
| | | *For >5,000, Deduct* | *-269.03* | |
| 33 01 30 72-0116 | LF | 19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,417.99 | |
| | | *For Vinlyester Resin, Add* | *937.43* | |
| | | *For Epoxy Resin, Add* | *110.48* | |
| | | *For Up To >10, Add* | *906.02* | |
| | | *For >10 To 25, Add* | *531.82* | |
| | | *For >25 To 50, Add* | *386.05* | |
| | | *For >50 To 100, Add* | *193.03* | |
| | | *For >500 To 1,000, Deduct* | *-72.87* | |
| | | *For >1,000 To 2,000, Deduct* | *-110.29* | |
| | | *For >2,000 To 5,000, Deduct* | *-180.40* | |
| | | *For >5,000, Deduct* | *-299.36* | |
| 33 01 30 72-0117 | LF | 19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,563.27 | |
| | | *For Vinlyester Resin, Add* | *1,032.39* | |
| | | *For Epoxy Resin, Add* | *121.67* | |
| | | *For Up To >10, Add* | *1,002.71* | |
| | | *For >10 To 25, Add* | *589.79* | |
| | | *For >25 To 50, Add* | *427.61* | |
| | | *For >50 To 100, Add* | *213.81* | |
| | | *For >500 To 1,000, Deduct* | *-80.37* | |
| | | *For >1,000 To 2,000, Deduct* | *-121.67* | |
| | | *For >2,000 To 5,000, Deduct* | *-199.09* | |
| | | *For >5,000, Deduct* | *-330.34* | |
| 33 01 30 72-0118 | LF | 19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,707.06 | |
| | | *For Vinlyester Resin, Add* | *1,127.34* | |
| | | *For Epoxy Resin, Add* | *132.87* | |
| | | *For Up To >10, Add* | *1,094.96* | |
| | | *For >10 To 25, Add* | *644.05* | |
| | | *For >25 To 50, Add* | *466.95* | |
| | | *For >50 To 100, Add* | *233.48* | |
| | | *For >500 To 1,000, Deduct* | *-87.77* | |
| | | *For >1,000 To 2,000, Deduct* | *-132.86* | |
| | | *For >2,000 To 5,000, Deduct* | *-217.40* | |
| | | *For >5,000, Deduct* | *-360.73* | |

## 33 01 30 72-0119 21mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0120 | LF | 21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 446.89 | |
| | | *For Vinlyester Resin, Add* | *292.69* | |
| | | *For Epoxy Resin, Add* | *34.50* | |
| | | *For Up To >10, Add* | *295.35* | |
| | | *For >10 To 25, Add* | *176.43* | |
| | | *For >25 To 50, Add* | *126.77* | |
| | | *For >50 To 100, Add* | *63.38* | |
| | | *For >500 To 1,000, Deduct* | *-23.06* | |
| | | *For >1,000 To 2,000, Deduct* | *-34.95* | |
| | | *For >2,000 To 5,000, Deduct* | *-57.37* | |
| | | *For >5,000, Deduct* | *-95.13* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0121 | LF | 21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 522.38 | |
| | | *For Vinlyester Resin, Add* | *343.83* | |
| | | *For Epoxy Resin, Add* | *40.52* | |
| | | *For Up To >10, Add* | *339.19* | |
| | | *For >10 To 25, Add* | *200.80* | |
| | | *For >25 To 50, Add* | *145.04* | |
| | | *For >50 To 100, Add* | *72.52* | |
| | | *For >500 To 1,000, Deduct* | *-26.90* | |
| | | *For >1,000 To 2,000, Deduct* | *-40.74* | |
| | | *For >2,000 To 5,000, Deduct* | *-66.74* | |
| | | *For >5,000, Deduct* | *-110.72* | |
| 33 01 30 72-0122 | LF | 21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 598.28 | |
| | | *For Vinlyester Resin, Add* | *394.96* | |
| | | *For Epoxy Resin, Add* | *46.55* | |
| | | *For Up To >10, Add* | *384.27* | |
| | | *For >10 To 25, Add* | *226.18* | |
| | | *For >25 To 50, Add* | *163.92* | |
| | | *For >50 To 100, Add* | *81.96* | |
| | | *For >500 To 1,000, Deduct* | *-30.77* | |
| | | *For >1,000 To 2,000, Deduct* | *-46.57* | |
| | | *For >2,000 To 5,000, Deduct* | *-76.22* | |
| | | *For >5,000, Deduct* | *-126.47* | |
| 33 01 30 72-0123 | LF | 21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 674.03 | |
| | | *For Vinlyester Resin, Add* | *446.09* | |
| | | *For Epoxy Resin, Add* | *52.57* | |
| | | *For Up To >10, Add* | *428.92* | |
| | | *For >10 To 25, Add* | *251.22* | |
| | | *For >25 To 50, Add* | *182.59* | |
| | | *For >50 To 100, Add* | *91.30* | |
| | | *For >500 To 1,000, Deduct* | *-34.62* | |
| | | *For >1,000 To 2,000, Deduct* | *-52.39* | |
| | | *For >2,000 To 5,000, Deduct* | *-85.66* | |
| | | *For >5,000, Deduct* | *-142.16* | |
| 33 01 30 72-0124 | LF | 21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 751.28 | |
| | | *For Vinlyester Resin, Add* | *497.22* | |
| | | *For Epoxy Resin, Add* | *58.60* | |
| | | *For Up To >10, Add* | *478.04* | |
| | | *For >10 To 25, Add* | *279.98* | |
| | | *For >25 To 50, Add* | *203.50* | |
| | | *For >50 To 100, Add* | *101.75* | |
| | | *For >500 To 1,000, Deduct* | *-38.59* | |
| | | *For >1,000 To 2,000, Deduct* | *-58.39* | |
| | | *For >2,000 To 5,000, Deduct* | *-95.48* | |
| | | *For >5,000, Deduct* | *-158.45* | |
| 33 01 30 72-0125 | LF | 21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 905.78 | |
| | | *For Vinlyester Resin, Add* | *599.49* | |
| | | *For Epoxy Resin, Add* | *70.65* | |
| | | *For Up To >10, Add* | *576.32* | |
| | | *For >10 To 25, Add* | *337.53* | |
| | | *For >25 To 50, Add* | *245.34* | |
| | | *For >50 To 100, Add* | *122.67* | |
| | | *For >500 To 1,000, Deduct* | *-46.52* | |
| | | *For >1,000 To 2,000, Deduct* | *-70.40* | |
| | | *For >2,000 To 5,000, Deduct* | *-115.11* | |
| | | *For >5,000, Deduct* | *-191.03* | |
| 33 01 30 72-0126 | LF | 21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,060.28 | |
| | | *For Vinlyester Resin, Add* | *701.75* | |
| | | *For Epoxy Resin, Add* | *82.71* | |
| | | *For Up To >10, Add* | *674.59* | |
| | | *For >10 To 25, Add* | *395.08* | |
| | | *For >25 To 50, Add* | *287.17* | |
| | | *For >50 To 100, Add* | *143.59* | |
| | | *For >500 To 1,000, Deduct* | *-54.46* | |
| | | *For >1,000 To 2,000, Deduct* | *-82.41* | |
| | | *For >2,000 To 5,000, Deduct* | *-134.75* | |
| | | *For >5,000, Deduct* | *-223.61* | |
| 33 01 30 72-0127 | LF | 21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,214.77 | |
| | | *For Vinlyester Resin, Add* | *804.01* | |
| | | *For Epoxy Resin, Add* | *94.76* | |
| | | *For Up To >10, Add* | *772.86* | |
| | | *For >10 To 25, Add* | *452.62* | |
| | | *For >25 To 50, Add* | *329.00* | |
| | | *For >50 To 100, Add* | *164.50* | |
| | | *For >500 To 1,000, Deduct* | *-62.39* | |
| | | *For >1,000 To 2,000, Deduct* | *-94.42* | |
| | | *For >2,000 To 5,000, Deduct* | *-154.38* | |
| | | *For >5,000, Deduct* | *-256.19* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0128 | LF | 21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,369.27 | |
| | | *For Vinlyester Resin, Add* | *906.27* | |
| | | *For Epoxy Resin, Add* | *106.81* | |
| | | *For Up To >10, Add* | *871.14* | |
| | | *For >10 To 25, Add* | *510.17* | |
| | | *For >25 To 50, Add* | *370.83* | |
| | | *For >50 To 100, Add* | *185.42* | |
| | | *For >500 To 1,000, Deduct* | *-70.33* | |
| | | *For >1,000 To 2,000, Deduct* | *-106.43* | |
| | | *For >2,000 To 5,000, Deduct* | *-174.01* | |
| | | *For >5,000, Deduct* | *-288.77* | |
| 33 01 30 72-0129 | LF | 21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,523.77 | |
| | | *For Vinlyester Resin, Add* | *1,008.53* | |
| | | *For Epoxy Resin, Add* | *118.86* | |
| | | *For Up To >10, Add* | *969.41* | |
| | | *For >10 To 25, Add* | *567.72* | |
| | | *For >25 To 50, Add* | *412.67* | |
| | | *For >50 To 100, Add* | *206.33* | |
| | | *For >500 To 1,000, Deduct* | *-78.26* | |
| | | *For >1,000 To 2,000, Deduct* | *-118.43* | |
| | | *For >2,000 To 5,000, Deduct* | *-193.64* | |
| | | *For >5,000, Deduct* | *-321.36* | |
| 33 01 30 72-0130 | LF | 21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,681.27 | |
| | | *For Vinlyester Resin, Add* | *1,110.80* | |
| | | *For Epoxy Resin, Add* | *130.92* | |
| | | *For Up To >10, Add* | *1,076.66* | |
| | | *For >10 To 25, Add* | *632.74* | |
| | | *For >25 To 50, Add* | *458.99* | |
| | | *For >50 To 100, Add* | *229.49* | |
| | | *For >500 To 1,000, Deduct* | *-86.42* | |
| | | *For >1,000 To 2,000, Deduct* | *-130.82* | |
| | | *For >2,000 To 5,000, Deduct* | *-214.03* | |
| | | *For >5,000, Deduct* | *-355.14* | |
| 33 01 30 72-0131 | LF | 21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,836.04 | |
| | | *For Vinlyester Resin, Add* | *1,213.07* | |
| | | *For Epoxy Resin, Add* | *142.97* | |
| | | *For Up To >10, Add* | *1,175.75* | |
| | | *For >10 To 25, Add* | *690.96* | |
| | | *For >25 To 50, Add* | *501.23* | |
| | | *For >50 To 100, Add* | *250.61* | |
| | | *For >500 To 1,000, Deduct* | *-94.38* | |
| | | *For >1,000 To 2,000, Deduct* | *-142.86* | |
| | | *For >2,000 To 5,000, Deduct* | *-233.73* | |
| | | *For >5,000, Deduct* | *-387.83* | |

## 33 01 30 72-0132 22.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0133 | LF | 22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 476.04 | |
| | | *For Vinlyester Resin, Add* | *312.53* | |
| | | *For Epoxy Resin, Add* | *36.83* | |
| | | *For Up To >10, Add* | *311.95* | |
| | | *For >10 To 25, Add* | *185.54* | |
| | | *For >25 To 50, Add* | *133.65* | |
| | | *For >50 To 100, Add* | *66.82* | |
| | | *For >500 To 1,000, Deduct* | *-24.54* | |
| | | *For >1,000 To 2,000, Deduct* | *-37.18* | |
| | | *For >2,000 To 5,000, Deduct* | *-60.97* | |
| | | *For >5,000, Deduct* | *-101.12* | |
| 33 01 30 72-0134 | LF | 22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 556.74 | |
| | | *For Vinlyester Resin, Add* | *367.31* | |
| | | *For Epoxy Resin, Add* | *43.29* | |
| | | *For Up To >10, Add* | *358.40* | |
| | | *For >10 To 25, Add* | *211.21* | |
| | | *For >25 To 50, Add* | *152.96* | |
| | | *For >50 To 100, Add* | *76.48* | |
| | | *For >500 To 1,000, Deduct* | *-28.64* | |
| | | *For >1,000 To 2,000, Deduct* | *-43.36* | |
| | | *For >2,000 To 5,000, Deduct* | *-70.97* | |
| | | *For >5,000, Deduct* | *-117.75* | |
| 33 01 30 72-0135 | LF | 22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 638.26 | |
| | | *For Vinlyester Resin, Add* | *422.09* | |
| | | *For Epoxy Resin, Add* | *49.75* | |
| | | *For Up To >10, Add* | *407.31* | |
| | | *For >10 To 25, Add* | *238.92* | |
| | | *For >25 To 50, Add* | *173.50* | |
| | | *For >50 To 100, Add* | *86.75* | |
| | | *For >500 To 1,000, Deduct* | *-32.79* | |
| | | *For >1,000 To 2,000, Deduct* | *-49.63* | |
| | | *For >2,000 To 5,000, Deduct* | *-81.18* | |
| | | *For >5,000, Deduct* | *-134.71* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0136 | LF | 22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 720.18 | |
| | | *For Vinlyester Resin, Add* | *476.88* | |
| | | *For Epoxy Resin, Add* | *56.20* | |
| | | *For Up To >10, Add* | *457.42* | |
| | | *For >10 To 25, Add* | *267.64* | |
| | | *For >25 To 50, Add* | *194.65* | |
| | | *For >50 To 100, Add* | *97.32* | |
| | | *For >500 To 1,000, Deduct* | *-36.98* | |
| | | *For >1,000 To 2,000, Deduct* | *-55.96* | |
| | | *For >2,000 To 5,000, Deduct* | *-91.48* | |
| | | *For >5,000, Deduct* | *-151.82* | |
| 33 01 30 72-0137 | LF | 22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 802.91 | |
| | | *For Vinlyester Resin, Add* | *531.66* | |
| | | *For Epoxy Resin, Add* | *62.66* | |
| | | *For Up To >10, Add* | *509.96* | |
| | | *For >10 To 25, Add* | *298.38* | |
| | | *For >25 To 50, Add* | *217.00* | |
| | | *For >50 To 100, Add* | *108.50* | |
| | | *For >500 To 1,000, Deduct* | *-41.23* | |
| | | *For >1,000 To 2,000, Deduct* | *-62.39* | |
| | | *For >2,000 To 5,000, Deduct* | *-101.99* | |
| | | *For >5,000, Deduct* | *-169.26* | |
| 33 01 30 72-0138 | LF | 22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 968.39 | |
| | | *For Vinlyester Resin, Add* | *641.22* | |
| | | *For Epoxy Resin, Add* | *75.57* | |
| | | *For Up To >10, Add* | *615.10* | |
| | | *For >10 To 25, Add* | *359.91* | |
| | | *For >25 To 50, Add* | *261.75* | |
| | | *For >50 To 100, Add* | *130.87* | |
| | | *For >500 To 1,000, Deduct* | *-49.73* | |
| | | *For >1,000 To 2,000, Deduct* | *-75.25* | |
| | | *For >2,000 To 5,000, Deduct* | *-123.01* | |
| | | *For >5,000, Deduct* | *-204.15* | |
| 33 01 30 72-0139 | LF | 22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,133.86 | |
| | | *For Vinlyester Resin, Add* | *750.79* | |
| | | *For Epoxy Resin, Add* | *88.49* | |
| | | *For Up To >10, Add* | *720.18* | |
| | | *For >10 To 25, Add* | *421.39* | |
| | | *For >25 To 50, Add* | *306.46* | |
| | | *For >50 To 100, Add* | *153.23* | |
| | | *For >500 To 1,000, Deduct* | *-58.23* | |
| | | *For >1,000 To 2,000, Deduct* | *-88.10* | |
| | | *For >2,000 To 5,000, Deduct* | *-144.03* | |
| | | *For >5,000, Deduct* | *-239.03* | |
| 33 01 30 72-0140 | LF | 22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,299.34 | |
| | | *For Vinlyester Resin, Add* | *860.36* | |
| | | *For Epoxy Resin, Add* | *101.40* | |
| | | *For Up To >10, Add* | *825.32* | |
| | | *For >10 To 25, Add* | *482.92* | |
| | | *For >25 To 50, Add* | *351.21* | |
| | | *For >50 To 100, Add* | *175.60* | |
| | | *For >500 To 1,000, Deduct* | *-66.72* | |
| | | *For >1,000 To 2,000, Deduct* | *-100.96* | |
| | | *For >2,000 To 5,000, Deduct* | *-165.05* | |
| | | *For >5,000, Deduct* | *-273.92* | |
| 33 01 30 72-0141 | LF | 22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,464.82 | |
| | | *For Vinlyester Resin, Add* | *969.93* | |
| | | *For Epoxy Resin, Add* | *114.31* | |
| | | *For Up To >10, Add* | *930.44* | |
| | | *For >10 To 25, Add* | *544.43* | |
| | | *For >25 To 50, Add* | *395.94* | |
| | | *For >50 To 100, Add* | *197.97* | |
| | | *For >500 To 1,000, Deduct* | *-75.22* | |
| | | *For >1,000 To 2,000, Deduct* | *-113.82* | |
| | | *For >2,000 To 5,000, Deduct* | *-186.08* | |
| | | *For >5,000, Deduct* | *-308.81* | |
| 33 01 30 72-0142 | LF | 22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,630.30 | |
| | | *For Vinlyester Resin, Add* | *1,079.49* | |
| | | *For Epoxy Resin, Add* | *127.23* | |
| | | *For Up To >10, Add* | *1,035.58* | |
| | | *For >10 To 25, Add* | *605.96* | |
| | | *For >25 To 50, Add* | *440.68* | |
| | | *For >50 To 100, Add* | *220.34* | |
| | | *For >500 To 1,000, Deduct* | *-83.72* | |
| | | *For >1,000 To 2,000, Deduct* | *-126.68* | |
| | | *For >2,000 To 5,000, Deduct* | *-207.10* | |
| | | *For >5,000, Deduct* | *-343.69* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0143 | LF | 22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,798.90 | |
| | | *For Vinlyester Resin, Add* | *1,189.06* | |
| | | *For Epoxy Resin, Add* | *140.14* | |
| | | *For Up To >10, Add* | *1,150.05* | |
| | | *For >10 To 25, Add* | *675.27* | |
| | | *For >25 To 50, Add* | *490.09* | |
| | | *For >50 To 100, Add* | *245.05* | |
| | | *For >500 To 1,000, Deduct* | *-92.45* | |
| | | *For >1,000 To 2,000, Deduct* | *-139.93* | |
| | | *For >2,000 To 5,000, Deduct* | *-228.90* | |
| | | *For >5,000, Deduct* | *-379.83* | |
| 33 01 30 72-0144 | LF | 22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,964.64 | |
| | | *For Vinlyester Resin, Add* | *1,298.63* | |
| | | *For Epoxy Resin, Add* | *153.05* | |
| | | *For Up To >10, Add* | *1,255.97* | |
| | | *For >10 To 25, Add* | *737.45* | |
| | | *For >25 To 50, Add* | *535.23* | |
| | | *For >50 To 100, Add* | *267.61* | |
| | | *For >500 To 1,000, Deduct* | *-100.97* | |
| | | *For >1,000 To 2,000, Deduct* | *-152.82* | |
| | | *For >2,000 To 5,000, Deduct* | *-249.99* | |
| | | *For >5,000, Deduct* | *-414.82* | |

## 33 01 30 72-0145 24mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0146 | LF | 24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 504.82 | |
| | | *For Vinlyester Resin, Add* | *332.21* | |
| | | *For Epoxy Resin, Add* | *39.15* | |
| | | *For Up To >10, Add* | *328.01* | |
| | | *For >10 To 25, Add* | *194.25* | |
| | | *For >25 To 50, Add* | *140.28* | |
| | | *For >50 To 100, Add* | *70.14* | |
| | | *For >500 To 1,000, Deduct* | *-26.00* | |
| | | *For >1,000 To 2,000, Deduct* | *-39.37* | |
| | | *For >2,000 To 5,000, Deduct* | *-64.51* | |
| | | *For >5,000, Deduct* | *-107.01* | |
| 33 01 30 72-0147 | LF | 24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 590.76 | |
| | | *For Vinlyester Resin, Add* | *390.65* | |
| | | *For Epoxy Resin, Add* | *46.04* | |
| | | *For Up To >10, Add* | *377.11* | |
| | | *For >10 To 25, Add* | *221.24* | |
| | | *For >25 To 50, Add* | *160.65* | |
| | | *For >50 To 100, Add* | *80.32* | |
| | | *For >500 To 1,000, Deduct* | *-30.36* | |
| | | *For >1,000 To 2,000, Deduct* | *-45.94* | |
| | | *For >2,000 To 5,000, Deduct* | *-75.14* | |
| | | *For >5,000, Deduct* | *-124.69* | |
| 33 01 30 72-0148 | LF | 24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 677.89 | |
| | | *For Vinlyester Resin, Add* | *449.08* | |
| | | *For Epoxy Resin, Add* | *52.93* | |
| | | *For Up To >10, Add* | *429.82* | |
| | | *For >10 To 25, Add* | *251.26* | |
| | | *For >25 To 50, Add* | *182.83* | |
| | | *For >50 To 100, Add* | *91.42* | |
| | | *For >500 To 1,000, Deduct* | *-34.80* | |
| | | *For >1,000 To 2,000, Deduct* | *-52.66* | |
| | | *For >2,000 To 5,000, Deduct* | *-86.07* | |
| | | *For >5,000, Deduct* | *-142.85* | |
| 33 01 30 72-0149 | LF | 24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 766.12 | |
| | | *For Vinlyester Resin, Add* | *507.51* | |
| | | *For Epoxy Resin, Add* | *59.81* | |
| | | *For Up To >10, Add* | *485.81* | |
| | | *For >10 To 25, Add* | *284.01* | |
| | | *For >25 To 50, Add* | *206.65* | |
| | | *For >50 To 100, Add* | *103.33* | |
| | | *For >500 To 1,000, Deduct* | *-39.33* | |
| | | *For >1,000 To 2,000, Deduct* | *-59.51* | |
| | | *For >2,000 To 5,000, Deduct* | *-97.28* | |
| | | *For >5,000, Deduct* | *-161.44* | |
| 33 01 30 72-0150 | LF | 24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 854.35 | |
| | | *For Vinlyester Resin, Add* | *565.96* | |
| | | *For Epoxy Resin, Add* | *66.70* | |
| | | *For Up To >10, Add* | *541.78* | |
| | | *For >10 To 25, Add* | *316.73* | |
| | | *For >25 To 50, Add* | *230.46* | |
| | | *For >50 To 100, Add* | *115.23* | |
| | | *For >500 To 1,000, Deduct* | *-43.86* | |
| | | *For >1,000 To 2,000, Deduct* | *-66.37* | |
| | | *For >2,000 To 5,000, Deduct* | *-108.48* | |
| | | *For >5,000, Deduct* | *-180.04* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0151 | LF | 24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,030.81 | |
| | | *For Vinlyester Resin, Add* | *682.83* | |
| | | *For Epoxy Resin, Add* | *80.48* | |
| | | *For Up To >10, Add* | *653.76* | |
| | | *For >10 To 25, Add* | *382.22* | |
| | | *For >25 To 50, Add* | *278.10* | |
| | | *For >50 To 100, Add* | *139.05* | |
| | | *For >500 To 1,000, Deduct* | *-52.92* | |
| | | *For >1,000 To 2,000, Deduct* | *-80.08* | |
| | | *For >2,000 To 5,000, Deduct* | *-130.89* | |
| | | *For >5,000, Deduct* | *-217.23* | |
| 33 01 30 72-0152 | LF | 24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,254.14 | |
| | | *For Vinlyester Resin, Add* | *832.62* | |
| | | *For Epoxy Resin, Add* | *98.13* | |
| | | *For Up To >10, Add* | *788.80* | |
| | | *For >10 To 25, Add* | *459.09* | |
| | | *For >25 To 50, Add* | *334.93* | |
| | | *For >50 To 100, Add* | *167.46* | |
| | | *For >500 To 1,000, Deduct* | *-64.32* | |
| | | *For >1,000 To 2,000, Deduct* | *-97.30* | |
| | | *For >2,000 To 5,000, Deduct* | *-158.91* | |
| | | *For >5,000, Deduct* | *-263.77* | |
| 33 01 30 72-0153 | LF | 24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,383.57 | |
| | | *For Vinlyester Resin, Add* | *916.57* | |
| | | *For Epoxy Resin, Add* | *108.02* | |
| | | *For Up To >10, Add* | *877.26* | |
| | | *For >10 To 25, Add* | *512.82* | |
| | | *For >25 To 50, Add* | *373.16* | |
| | | *For >50 To 100, Add* | *186.58* | |
| | | *For >500 To 1,000, Deduct* | *-71.03* | |
| | | *For >1,000 To 2,000, Deduct* | *-107.48* | |
| | | *For >2,000 To 5,000, Deduct* | *-175.67* | |
| | | *For >5,000, Deduct* | *-291.55* | |
| 33 01 30 72-0154 | LF | 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,560.02 | |
| | | *For Vinlyester Resin, Add* | *1,033.44* | |
| | | *For Epoxy Resin, Add* | *121.80* | |
| | | *For Up To >10, Add* | *989.21* | |
| | | *For >10 To 25, Add* | *578.29* | |
| | | *For >25 To 50, Add* | *420.79* | |
| | | *For >50 To 100, Add* | *210.39* | |
| | | *For >500 To 1,000, Deduct* | *-80.09* | |
| | | *For >1,000 To 2,000, Deduct* | *-121.19* | |
| | | *For >2,000 To 5,000, Deduct* | *-198.08* | |
| | | *For >5,000, Deduct* | *-328.74* | |
| 33 01 30 72-0155 | LF | 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,736.48 | |
| | | *For Vinlyester Resin, Add* | *1,150.31* | |
| | | *For Epoxy Resin, Add* | *135.57* | |
| | | *For Up To >10, Add* | *1,101.19* | |
| | | *For >10 To 25, Add* | *643.78* | |
| | | *For >25 To 50, Add* | *468.43* | |
| | | *For >50 To 100, Add* | *234.22* | |
| | | *For >500 To 1,000, Deduct* | *-89.15* | |
| | | *For >1,000 To 2,000, Deduct* | *-134.90* | |
| | | *For >2,000 To 5,000, Deduct* | *-220.49* | |
| | | *For >5,000, Deduct* | *-365.93* | |
| 33 01 30 72-0156 | LF | 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,916.20 | |
| | | *For Vinlyester Resin, Add* | *1,267.18* | |
| | | *For Epoxy Resin, Add* | *149.35* | |
| | | *For Up To >10, Add* | *1,222.95* | |
| | | *For >10 To 25, Add* | *717.42* | |
| | | *For >25 To 50, Add* | *520.96* | |
| | | *For >50 To 100, Add* | *260.48* | |
| | | *For >500 To 1,000, Deduct* | *-98.46* | |
| | | *For >1,000 To 2,000, Deduct* | *-149.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-243.72* | |
| | | *For >5,000, Deduct* | *-404.43* | |
| 33 01 30 72-0157 | LF | 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,092.92 | |
| | | *For Vinlyester Resin, Add* | *1,384.05* | |
| | | *For Epoxy Resin, Add* | *163.12* | |
| | | *For Up To >10, Add* | *1,335.71* | |
| | | *For >10 To 25, Add* | *783.56* | |
| | | *For >25 To 50, Add* | *568.99* | |
| | | *For >50 To 100, Add* | *284.50* | |
| | | *For >500 To 1,000, Deduct* | *-107.54* | |
| | | *For >1,000 To 2,000, Deduct* | *-162.75* | |
| | | *For >2,000 To 5,000, Deduct* | *-266.19* | |
| | | *For >5,000, Deduct* | *-441.72* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0158 | LF | 24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,269.65 | |
| | | *For Vinlyester Resin, Add* | *1,500.93* | |
| | | *For Epoxy Resin, Add* | *176.89* | |
| | | *For Up To >10, Add* | *1,448.50* | |
| | | *For >10 To 25, Add* | *849.72* | |
| | | *For >25 To 50, Add* | *617.04* | |
| | | *For >50 To 100, Add* | *308.52* | |
| | | *For >500 To 1,000, Deduct* | *-116.62* | |
| | | *For >1,000 To 2,000, Deduct* | *-176.50* | |
| | | *For >2,000 To 5,000, Deduct* | *-288.67* | |
| | | *For >5,000, Deduct* | *-479.02* | |
| 33 01 30 72-0159 | LF | 24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,446.37 | |
| | | *For Vinlyester Resin, Add* | *1,617.80* | |
| | | *For Epoxy Resin, Add* | *190.67* | |
| | | *For Up To >10, Add* | *1,561.26* | |
| | | *For >10 To 25, Add* | *915.86* | |
| | | *For >25 To 50, Add* | *665.07* | |
| | | *For >50 To 100, Add* | *332.54* | |
| | | *For >500 To 1,000, Deduct* | *-125.70* | |
| | | *For >1,000 To 2,000, Deduct* | *-190.24* | |
| | | *For >2,000 To 5,000, Deduct* | *-311.14* | |
| | | *For >5,000, Deduct* | *-516.32* | |

## 33 01 30 72-0160 25.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0161 | LF | 25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 624.97 | |
| | | *For Vinlyester Resin, Add* | *413.84* | |
| | | *For Epoxy Resin, Add* | *48.77* | |
| | | *For Up To >10, Add* | *396.91* | |
| | | *For >10 To 25, Add* | *232.23* | |
| | | *For >25 To 50, Add* | *168.90* | |
| | | *For >50 To 100, Add* | *84.45* | |
| | | *For >500 To 1,000, Deduct* | *-32.09* | |
| | | *For >1,000 To 2,000, Deduct* | *-48.56* | |
| | | *For >2,000 To 5,000, Deduct* | *-79.39* | |
| | | *For >5,000, Deduct* | *-131.75* | |
| 33 01 30 72-0162 | LF | 25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 718.14 | |
| | | *For Vinlyester Resin, Add* | *475.92* | |
| | | *For Epoxy Resin, Add* | *56.09* | |
| | | *For Up To >10, Add* | *454.70* | |
| | | *For >10 To 25, Add* | *265.60* | |
| | | *For >25 To 50, Add* | *193.35* | |
| | | *For >50 To 100, Add* | *96.68* | |
| | | *For >500 To 1,000, Deduct* | *-36.86* | |
| | | *For >1,000 To 2,000, Deduct* | *-55.77* | |
| | | *For >2,000 To 5,000, Deduct* | *-91.15* | |
| | | *For >5,000, Deduct* | *-151.28* | |
| 33 01 30 72-0163 | LF | 25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 811.86 | |
| | | *For Vinlyester Resin, Add* | *538.01* | |
| | | *For Epoxy Resin, Add* | *63.41* | |
| | | *For Up To >10, Add* | *514.11* | |
| | | *For >10 To 25, Add* | *300.32* | |
| | | *For >25 To 50, Add* | *218.62* | |
| | | *For >50 To 100, Add* | *109.31* | |
| | | *For >500 To 1,000, Deduct* | *-41.67* | |
| | | *For >1,000 To 2,000, Deduct* | *-63.05* | |
| | | *For >2,000 To 5,000, Deduct* | *-103.05* | |
| | | *For >5,000, Deduct* | *-171.03* | |
| 33 01 30 72-0164 | LF | 25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 905.44 | |
| | | *For Vinlyester Resin, Add* | *600.10* | |
| | | *For Epoxy Resin, Add* | *70.73* | |
| | | *For Up To >10, Add* | *573.10* | |
| | | *For >10 To 25, Add* | *334.70* | |
| | | *For >25 To 50, Add* | *243.68* | |
| | | *For >50 To 100, Add* | *121.84* | |
| | | *For >500 To 1,000, Deduct* | *-46.48* | |
| | | *For >1,000 To 2,000, Deduct* | *-70.32* | |
| | | *For >2,000 To 5,000, Deduct* | *-114.91* | |
| | | *For >5,000, Deduct* | *-190.72* | |
| 33 01 30 72-0165 | LF | 25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,092.87 | |
| | | *For Vinlyester Resin, Add* | *724.28* | |
| | | *For Epoxy Resin, Add* | *85.36* | |
| | | *For Up To >10, Add* | *691.91* | |
| | | *For >10 To 25, Add* | *404.15* | |
| | | *For >25 To 50, Add* | *294.22* | |
| | | *For >50 To 100, Add* | *147.11* | |
| | | *For >500 To 1,000, Deduct* | *-56.10* | |
| | | *For >1,000 To 2,000, Deduct* | *-84.87* | |
| | | *For >2,000 To 5,000, Deduct* | *-138.71* | |
| | | *For >5,000, Deduct* | *-230.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0166 | LF | 25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,280.17 | |
| | | *For Vinlyester Resin, Add* | *848.46* | |
| | | *For Epoxy Resin, Add* | *100.00* | |
| | | *For Up To >10, Add* | *810.31* | |
| | | *For >10 To 25, Add* | *473.25* | |
| | | *For >25 To 50, Add* | *344.55* | |
| | | *For >50 To 100, Add* | *172.28* | |
| | | *For >500 To 1,000, Deduct* | *-65.71* | |
| | | *For >1,000 To 2,000, Deduct* | *-99.42* | |
| | | *For >2,000 To 5,000, Deduct* | *-162.47* | |
| | | *For >5,000, Deduct* | *-269.65* | |
| 33 01 30 72-0167 | LF | 25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,467.61 | |
| | | *For Vinlyester Resin, Add* | *972.64* | |
| | | *For Epoxy Resin, Add* | *114.63* | |
| | | *For Up To >10, Add* | *929.13* | |
| | | *For >10 To 25, Add* | *542.70* | |
| | | *For >25 To 50, Add* | *395.09* | |
| | | *For >50 To 100, Add* | *197.55* | |
| | | *For >500 To 1,000, Deduct* | *-75.33* | |
| | | *For >1,000 To 2,000, Deduct* | *-113.98* | |
| | | *For >2,000 To 5,000, Deduct* | *-186.27* | |
| | | *For >5,000, Deduct* | *-309.15* | |
| 33 01 30 72-0168 | LF | 25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,654.90 | |
| | | *For Vinlyester Resin, Add* | *1,096.81* | |
| | | *For Epoxy Resin, Add* | *129.27* | |
| | | *For Up To >10, Add* | *1,047.53* | |
| | | *For >10 To 25, Add* | *611.79* | |
| | | *For >25 To 50, Add* | *445.42* | |
| | | *For >50 To 100, Add* | *222.71* | |
| | | *For >500 To 1,000, Deduct* | *-84.95* | |
| | | *For >1,000 To 2,000, Deduct* | *-128.52* | |
| | | *For >2,000 To 5,000, Deduct* | *-210.03* | |
| | | *For >5,000, Deduct* | *-348.59* | |
| 33 01 30 72-0169 | LF | 25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,842.32 | |
| | | *For Vinlyester Resin, Add* | *1,220.98* | |
| | | *For Epoxy Resin, Add* | *143.90* | |
| | | *For Up To >10, Add* | *1,166.31* | |
| | | *For >10 To 25, Add* | *681.22* | |
| | | *For >25 To 50, Add* | *495.94* | |
| | | *For >50 To 100, Add* | *247.97* | |
| | | *For >500 To 1,000, Deduct* | *-94.57* | |
| | | *For >1,000 To 2,000, Deduct* | *-143.08* | |
| | | *For >2,000 To 5,000, Deduct* | *-233.83* | |
| | | *For >5,000, Deduct* | *-388.08* | |
| 33 01 30 72-0170 | LF | 25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,034.10 | |
| | | *For Vinlyester Resin, Add* | *1,345.16* | |
| | | *For Epoxy Resin, Add* | *158.54* | |
| | | *For Up To >10, Add* | *1,298.15* | |
| | | *For >10 To 25, Add* | *761.52* | |
| | | *For >25 To 50, Add* | *552.99* | |
| | | *For >50 To 100, Add* | *276.50* | |
| | | *For >500 To 1,000, Deduct* | *-104.52* | |
| | | *For >1,000 To 2,000, Deduct* | *-158.18* | |
| | | *For >2,000 To 5,000, Deduct* | *-258.71* | |
| | | *For >5,000, Deduct* | *-429.31* | |
| 33 01 30 72-0171 | LF | 25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,221.93 | |
| | | *For Vinlyester Resin, Add* | *1,469.34* | |
| | | *For Epoxy Resin, Add* | *173.17* | |
| | | *For Up To >10, Add* | *1,418.17* | |
| | | *For >10 To 25, Add* | *831.96* | |
| | | *For >25 To 50, Add* | *604.13* | |
| | | *For >50 To 100, Add* | *302.07* | |
| | | *For >500 To 1,000, Deduct* | *-114.17* | |
| | | *For >1,000 To 2,000, Deduct* | *-172.79* | |
| | | *For >2,000 To 5,000, Deduct* | *-282.61* | |
| | | *For >5,000, Deduct* | *-468.96* | |
| 33 01 30 72-0172 | LF | 25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,409.63 | |
| | | *For Vinlyester Resin, Add* | *1,593.51* | |
| | | *For Epoxy Resin, Add* | *187.81* | |
| | | *For Up To >10, Add* | *1,537.79* | |
| | | *For >10 To 25, Add* | *902.09* | |
| | | *For >25 To 50, Add* | *655.07* | |
| | | *For >50 To 100, Add* | *327.54* | |
| | | *For >500 To 1,000, Deduct* | *-123.81* | |
| | | *For >1,000 To 2,000, Deduct* | *-187.38* | |
| | | *For >2,000 To 5,000, Deduct* | *-306.47* | |
| | | *For >5,000, Deduct* | *-508.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0173 | LF | 25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,597.48 | |
| | | *For Vinlyester Resin, Add* | *1,717.69* | |
| | | *For Epoxy Resin, Add* | *202.44* | |
| | | *For Up To >10, Add* | *1,657.84* | |
| | | *For >10 To 25, Add* | *972.56* | |
| | | *For >25 To 50, Add* | *706.23* | |
| | | *For >50 To 100, Add* | *353.11* | |
| | | *For >500 To 1,000, Deduct* | *-133.47* | |
| | | *For >1,000 To 2,000, Deduct* | *-201.99* | |
| | | *For >2,000 To 5,000, Deduct* | *-330.37* | |
| | | *For >5,000, Deduct* | *-548.22* | |

## 33 01 30 72-0174 27mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0175 | LF | 27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 658.85 | |
| | | *For Vinlyester Resin, Add* | *436.88* | |
| | | *For Epoxy Resin, Add* | *51.49* | |
| | | *For Up To >10, Add* | *416.25* | |
| | | *For >10 To 25, Add* | *242.86* | |
| | | *For >25 To 50, Add* | *176.92* | |
| | | *For >50 To 100, Add* | *88.46* | |
| | | *For >500 To 1,000, Deduct* | *-33.81* | |
| | | *For >1,000 To 2,000, Deduct* | *-51.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-83.58* | |
| | | *For >5,000, Deduct* | *-138.72* | |
| 33 01 30 72-0176 | LF | 27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 758.05 | |
| | | *For Vinlyester Resin, Add* | *502.63* | |
| | | *For Epoxy Resin, Add* | *59.24* | |
| | | *For Up To >10, Add* | *479.05* | |
| | | *For >10 To 25, Add* | *279.54* | |
| | | *For >25 To 50, Add* | *203.62* | |
| | | *For >50 To 100, Add* | *101.81* | |
| | | *For >500 To 1,000, Deduct* | *-38.90* | |
| | | *For >1,000 To 2,000, Deduct* | *-58.85* | |
| | | *For >2,000 To 5,000, Deduct* | *-96.17* | |
| | | *For >5,000, Deduct* | *-159.61* | |
| 33 01 30 72-0177 | LF | 27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 857.26 | |
| | | *For Vinlyester Resin, Add* | *568.37* | |
| | | *For Epoxy Resin, Add* | *66.99* | |
| | | *For Up To >10, Add* | *541.88* | |
| | | *For >10 To 25, Add* | *316.24* | |
| | | *For >25 To 50, Add* | *230.34* | |
| | | *For >50 To 100, Add* | *115.17* | |
| | | *For >500 To 1,000, Deduct* | *-44.00* | |
| | | *For >1,000 To 2,000, Deduct* | *-66.56* | |
| | | *For >2,000 To 5,000, Deduct* | *-108.76* | |
| | | *For >5,000, Deduct* | *-180.51* | |
| 33 01 30 72-0178 | LF | 27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 956.32 | |
| | | *For Vinlyester Resin, Add* | *634.11* | |
| | | *For Epoxy Resin, Add* | *74.73* | |
| | | *For Up To >10, Add* | *604.29* | |
| | | *For >10 To 25, Add* | *352.59* | |
| | | *For >25 To 50, Add* | *256.85* | |
| | | *For >50 To 100, Add* | *128.42* | |
| | | *For >500 To 1,000, Deduct* | *-49.08* | |
| | | *For >1,000 To 2,000, Deduct* | *-74.25* | |
| | | *For >2,000 To 5,000, Deduct* | *-121.32* | |
| | | *For >5,000, Deduct* | *-201.35* | |
| 33 01 30 72-0179 | LF | 27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,154.60 | |
| | | *For Vinlyester Resin, Add* | *765.59* | |
| | | *For Epoxy Resin, Add* | *90.23* | |
| | | *For Up To >10, Add* | *729.55* | |
| | | *For >10 To 25, Add* | *425.68* | |
| | | *For >25 To 50, Add* | *310.09* | |
| | | *For >50 To 100, Add* | *155.05* | |
| | | *For >500 To 1,000, Deduct* | *-59.25* | |
| | | *For >1,000 To 2,000, Deduct* | *-89.64* | |
| | | *For >2,000 To 5,000, Deduct* | *-146.47* | |
| | | *For >5,000, Deduct* | *-243.10* | |
| 33 01 30 72-0180 | LF | 27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,353.01 | |
| | | *For Vinlyester Resin, Add* | *897.07* | |
| | | *For Epoxy Resin, Add* | *105.73* | |
| | | *For Up To >10, Add* | *855.21* | |
| | | *For >10 To 25, Add* | *499.08* | |
| | | *For >25 To 50, Add* | *363.53* | |
| | | *For >50 To 100, Add* | *181.76* | |
| | | *For >500 To 1,000, Deduct* | *-69.44* | |
| | | *For >1,000 To 2,000, Deduct* | *-105.05* | |
| | | *For >2,000 To 5,000, Deduct* | *-171.65* | |
| | | *For >5,000, Deduct* | *-284.90* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0181 | LF | 27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,551.28 | |
| | | *For Vinlyester Resin, Add* | *1,028.55* | |
| | | *For Epoxy Resin, Add* | *121.22* | |
| | | *For Up To >10, Add* | *980.44* | |
| | | *For >10 To 25, Add* | *572.14* | |
| | | *For >25 To 50, Add* | *416.75* | |
| | | *For >50 To 100, Add* | *208.38* | |
| | | *For >500 To 1,000, Deduct* | *-79.61* | |
| | | *For >1,000 To 2,000, Deduct* | *-120.44* | |
| | | *For >2,000 To 5,000, Deduct* | *-196.80* | |
| | | *For >5,000, Deduct* | *-326.64* | |
| 33 01 30 72-0182 | LF | 27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,749.56 | |
| | | *For Vinlyester Resin, Add* | *1,160.03* | |
| | | *For Epoxy Resin, Add* | *136.72* | |
| | | *For Up To >10, Add* | *1,105.71* | |
| | | *For >10 To 25, Add* | *645.22* | |
| | | *For >25 To 50, Add* | *469.99* | |
| | | *For >50 To 100, Add* | *235.00* | |
| | | *For >500 To 1,000, Deduct* | *-89.79* | |
| | | *For >1,000 To 2,000, Deduct* | *-135.84* | |
| | | *For >2,000 To 5,000, Deduct* | *-221.96* | |
| | | *For >5,000, Deduct* | *-368.39* | |
| 33 01 30 72-0183 | LF | 27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,947.82 | |
| | | *For Vinlyester Resin, Add* | *1,291.51* | |
| | | *For Epoxy Resin, Add* | *152.21* | |
| | | *For Up To >10, Add* | *1,230.94* | |
| | | *For >10 To 25, Add* | *718.28* | |
| | | *For >25 To 50, Add* | *523.22* | |
| | | *For >50 To 100, Add* | *261.61* | |
| | | *For >500 To 1,000, Deduct* | *-99.96* | |
| | | *For >1,000 To 2,000, Deduct* | *-151.23* | |
| | | *For >2,000 To 5,000, Deduct* | *-247.10* | |
| | | *For >5,000, Deduct* | *-410.13* | |
| 33 01 30 72-0184 | LF | 27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,151.80 | |
| | | *For Vinlyester Resin, Add* | *1,423.00* | |
| | | *For Epoxy Resin, Add* | *167.71* | |
| | | *For Up To >10, Add* | *1,373.28* | |
| | | *For >10 To 25, Add* | *805.59* | |
| | | *For >25 To 50, Add* | *585.00* | |
| | | *For >50 To 100, Add* | *292.50* | |
| | | *For >500 To 1,000, Deduct* | *-110.56* | |
| | | *For >1,000 To 2,000, Deduct* | *-167.33* | |
| | | *For >2,000 To 5,000, Deduct* | *-273.68* | |
| | | *For >5,000, Deduct* | *-454.15* | |
| 33 01 30 72-0185 | LF | 27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,350.62 | |
| | | *For Vinlyester Resin, Add* | *1,554.48* | |
| | | *For Epoxy Resin, Add* | *183.21* | |
| | | *For Up To >10, Add* | *1,500.16* | |
| | | *For >10 To 25, Add* | *880.02* | |
| | | *For >25 To 50, Add* | *639.05* | |
| | | *For >50 To 100, Add* | *319.52* | |
| | | *For >500 To 1,000, Deduct* | *-120.78* | |
| | | *For >1,000 To 2,000, Deduct* | *-182.79* | |
| | | *For >2,000 To 5,000, Deduct* | *-298.97* | |
| | | *For >5,000, Deduct* | *-496.11* | |
| 33 01 30 72-0186 | LF | 27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,549.43 | |
| | | *For Vinlyester Resin, Add* | *1,685.95* | |
| | | *For Epoxy Resin, Add* | *198.70* | |
| | | *For Up To >10, Add* | *1,627.04* | |
| | | *For >10 To 25, Add* | *954.45* | |
| | | *For >25 To 50, Add* | *693.10* | |
| | | *For >50 To 100, Add* | *346.55* | |
| | | *For >500 To 1,000, Deduct* | *-130.99* | |
| | | *For >1,000 To 2,000, Deduct* | *-198.25* | |
| | | *For >2,000 To 5,000, Deduct* | *-324.25* | |
| | | *For >5,000, Deduct* | *-538.07* | |
| 33 01 30 72-0187 | LF | 27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,748.25 | |
| | | *For Vinlyester Resin, Add* | *1,817.43* | |
| | | *For Epoxy Resin, Add* | *214.20* | |
| | | *For Up To >10, Add* | *1,753.93* | |
| | | *For >10 To 25, Add* | *1,028.88* | |
| | | *For >25 To 50, Add* | *747.15* | |
| | | *For >50 To 100, Add* | *373.57* | |
| | | *For >500 To 1,000, Deduct* | *-141.21* | |
| | | *For >1,000 To 2,000, Deduct* | *-213.71* | |
| | | *For >2,000 To 5,000, Deduct* | *-349.54* | |
| | | *For >5,000, Deduct* | *-580.03* | |

33 01 30 72-0188 28.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0189 | LF | 28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 797.49 | |
| | | *For Vinlyester Resin, Add* | *529.19* | |
| | | *For Epoxy Resin, Add* | *62.37* | |
| | | *For Up To >10, Add* | *502.52* | |
| | | *For >10 To 25, Add* | *292.77* | |
| | | *For >25 To 50, Add* | *213.46* | |
| | | *For >50 To 100, Add* | *106.73* | |
| | | *For >500 To 1,000, Deduct* | *-40.91* | |
| | | *For >1,000 To 2,000, Deduct* | *-61.89* | |
| | | *For >2,000 To 5,000, Deduct* | *-101.10* | |
| | | *For >5,000, Deduct* | *-167.80* | |
| 33 01 30 72-0190 | LF | 28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 902.17 | |
| | | *For Vinlyester Resin, Add* | *598.58* | |
| | | *For Epoxy Resin, Add* | *70.55* | |
| | | *For Up To >10, Add* | *568.74* | |
| | | *For >10 To 25, Add* | *331.43* | |
| | | *For >25 To 50, Add* | *241.61* | |
| | | *For >50 To 100, Add* | *120.81* | |
| | | *For >500 To 1,000, Deduct* | *-46.29* | |
| | | *For >1,000 To 2,000, Deduct* | *-70.02* | |
| | | *For >2,000 To 5,000, Deduct* | *-114.38* | |
| | | *For >5,000, Deduct* | *-189.85* | |
| 33 01 30 72-0191 | LF | 28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,006.73 | |
| | | *For Vinlyester Resin, Add* | *667.97* | |
| | | *For Epoxy Resin, Add* | *78.72* | |
| | | *For Up To >10, Add* | *634.59* | |
| | | *For >10 To 25, Add* | *369.79* | |
| | | *For >25 To 50, Add* | *269.58* | |
| | | *For >50 To 100, Add* | *134.79* | |
| | | *For >500 To 1,000, Deduct* | *-51.65* | |
| | | *For >1,000 To 2,000, Deduct* | *-78.13* | |
| | | *For >2,000 To 5,000, Deduct* | *-127.63* | |
| | | *For >5,000, Deduct* | *-211.84* | |
| 33 01 30 72-0192 | LF | 28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,274.45 | |
| | | *For Vinlyester Resin, Add* | *847.78* | |
| | | *For Epoxy Resin, Add* | *99.92* | |
| | | *For Up To >10, Add* | *795.58* | |
| | | *For >10 To 25, Add* | *461.13* | |
| | | *For >25 To 50, Add* | *337.23* | |
| | | *For >50 To 100, Add* | *168.62* | |
| | | *For >500 To 1,000, Deduct* | *-65.31* | |
| | | *For >1,000 To 2,000, Deduct* | *-98.75* | |
| | | *For >2,000 To 5,000, Deduct* | *-161.17* | |
| | | *For >5,000, Deduct* | *-267.56* | |
| 33 01 30 72-0193 | LF | 28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,425.10 | |
| | | *For Vinlyester Resin, Add* | *945.54* | |
| | | *For Epoxy Resin, Add* | *111.44* | |
| | | *For Up To >10, Add* | *898.38* | |
| | | *For >10 To 25, Add* | *523.52* | |
| | | *For >25 To 50, Add* | *381.65* | |
| | | *For >50 To 100, Add* | *190.82* | |
| | | *For >500 To 1,000, Deduct* | *-73.11* | |
| | | *For >1,000 To 2,000, Deduct* | *-110.60* | |
| | | *For >2,000 To 5,000, Deduct* | *-180.67* | |
| | | *For >5,000, Deduct* | *-299.89* | |
| 33 01 30 72-0194 | LF | 28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,634.22 | |
| | | *For Vinlyester Resin, Add* | *1,084.33* | |
| | | *For Epoxy Resin, Add* | *127.80* | |
| | | *For Up To >10, Add* | *1,030.06* | |
| | | *For >10 To 25, Add* | *600.21* | |
| | | *For >25 To 50, Add* | *437.58* | |
| | | *For >50 To 100, Add* | *218.79* | |
| | | *For >500 To 1,000, Deduct* | *-83.84* | |
| | | *For >1,000 To 2,000, Deduct* | *-126.83* | |
| | | *For >2,000 To 5,000, Deduct* | *-207.18* | |
| | | *For >5,000, Deduct* | *-343.88* | |
| 33 01 30 72-0195 | LF | 28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,843.33 | |
| | | *For Vinlyester Resin, Add* | *1,223.11* | |
| | | *For Epoxy Resin, Add* | *144.15* | |
| | | *For Up To >10, Add* | *1,161.74* | |
| | | *For >10 To 25, Add* | *676.90* | |
| | | *For >25 To 50, Add* | *493.51* | |
| | | *For >50 To 100, Add* | *246.75* | |
| | | *For >500 To 1,000, Deduct* | *-94.57* | |
| | | *For >1,000 To 2,000, Deduct* | *-143.05* | |
| | | *For >2,000 To 5,000, Deduct* | *-233.68* | |
| | | *For >5,000, Deduct* | *-387.87* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0196 | LF | 28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,052.45 | |
| | | *For Vinlyester Resin, Add* | *1,361.90* | |
| | | *For Epoxy Resin, Add* | *160.51* | |
| | | *For Up To >10, Add* | *1,293.43* | |
| | | *For >10 To 25, Add* | *753.59* | |
| | | *For >25 To 50, Add* | *549.43* | |
| | | *For >50 To 100, Add* | *274.72* | |
| | | *For >500 To 1,000, Deduct* | *-105.29* | |
| | | *For >1,000 To 2,000, Deduct* | *-159.28* | |
| | | *For >2,000 To 5,000, Deduct* | *-260.19* | |
| | | *For >5,000, Deduct* | *-431.87* | |
| 33 01 30 72-0197 | LF | 28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,267.53 | |
| | | *For Vinlyester Resin, Add* | *1,500.68* | |
| | | *For Epoxy Resin, Add* | *176.87* | |
| | | *For Up To >10, Add* | *1,443.02* | |
| | | *For >10 To 25, Add* | *845.21* | |
| | | *For >25 To 50, Add* | *614.32* | |
| | | *For >50 To 100, Add* | *307.16* | |
| | | *For >500 To 1,000, Deduct* | *-116.47* | |
| | | *For >1,000 To 2,000, Deduct* | *-176.25* | |
| | | *For >2,000 To 5,000, Deduct* | *-288.18* | |
| | | *For >5,000, Deduct* | *-478.25* | |
| 33 01 30 72-0198 | LF | 28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,477.18 | |
| | | *For Vinlyester Resin, Add* | *1,639.46* | |
| | | *For Epoxy Resin, Add* | *193.22* | |
| | | *For Up To >10, Add* | *1,576.32* | |
| | | *For >10 To 25, Add* | *923.25* | |
| | | *For >25 To 50, Add* | *671.05* | |
| | | *For >50 To 100, Add* | *335.53* | |
| | | *For >500 To 1,000, Deduct* | *-127.24* | |
| | | *For >1,000 To 2,000, Deduct* | *-192.54* | |
| | | *For >2,000 To 5,000, Deduct* | *-314.82* | |
| | | *For >5,000, Deduct* | *-522.45* | |
| 33 01 30 72-0199 | LF | 28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,686.98 | |
| | | *For Vinlyester Resin, Add* | *1,778.25* | |
| | | *For Epoxy Resin, Add* | *209.58* | |
| | | *For Up To >10, Add* | *1,710.04* | |
| | | *For >10 To 25, Add* | *1,001.64* | |
| | | *For >25 To 50, Add* | *728.00* | |
| | | *For >50 To 100, Add* | *364.00* | |
| | | *For >500 To 1,000, Deduct* | *-138.01* | |
| | | *For >1,000 To 2,000, Deduct* | *-208.85* | |
| | | *For >2,000 To 5,000, Deduct* | *-341.50* | |
| | | *For >5,000, Deduct* | *-566.72* | |
| 33 01 30 72-0200 | LF | 28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,896.64 | |
| | | *For Vinlyester Resin, Add* | *1,917.03* | |
| | | *For Epoxy Resin, Add* | *225.94* | |
| | | *For Up To >10, Add* | *1,843.37* | |
| | | *For >10 To 25, Add* | *1,079.71* | |
| | | *For >25 To 50, Add* | *784.75* | |
| | | *For >50 To 100, Add* | *392.38* | |
| | | *For >500 To 1,000, Deduct* | *-148.78* | |
| | | *For >1,000 To 2,000, Deduct* | *-225.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-368.14* | |
| | | *For >5,000, Deduct* | *-610.93* | |

## 33 01 30 72-0201 30mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0202 | LF | 30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 836.71 | |
| | | *For Vinlyester Resin, Add* | *555.60* | |
| | | *For Epoxy Resin, Add* | *65.48* | |
| | | *For Up To >10, Add* | *525.83* | |
| | | *For >10 To 25, Add* | *305.91* | |
| | | *For >25 To 50, Add* | *223.23* | |
| | | *For >50 To 100, Add* | *111.61* | |
| | | *For >500 To 1,000, Deduct* | *-42.91* | |
| | | *For >1,000 To 2,000, Deduct* | *-64.90* | |
| | | *For >2,000 To 5,000, Deduct* | *-105.99* | |
| | | *For >5,000, Deduct* | *-175.94* | |
| 33 01 30 72-0203 | LF | 30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 946.76 | |
| | | *For Vinlyester Resin, Add* | *628.65* | |
| | | *For Epoxy Resin, Add* | *74.09* | |
| | | *For Up To >10, Add* | *595.11* | |
| | | *For >10 To 25, Add* | *346.24* | |
| | | *For >25 To 50, Add* | *252.65* | |
| | | *For >50 To 100, Add* | *126.32* | |
| | | *For >500 To 1,000, Deduct* | *-48.56* | |
| | | *For >1,000 To 2,000, Deduct* | *-73.44* | |
| | | *For >2,000 To 5,000, Deduct* | *-119.94* | |
| | | *For >5,000, Deduct* | *-199.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0204 | LF | 30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,056.80 | |
| | | *For Vinlyester Resin, Add* | *701.69* | |
| | | *For Epoxy Resin, Add* | *82.70* | |
| | | *For Up To >10, Add* | *664.38* | |
| | | *For >10 To 25, Add* | *386.58* | |
| | | *For >25 To 50, Add* | *282.07* | |
| | | *For >50 To 100, Add* | *141.03* | |
| | | *For >500 To 1,000, Deduct* | *-54.20* | |
| | | *For >1,000 To 2,000, Deduct* | *-81.98* | |
| | | *For >2,000 To 5,000, Deduct* | *-133.89* | |
| | | *For >5,000, Deduct* | *-222.24* | |
| 33 01 30 72-0205 | LF | 30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,276.76 | |
| | | *For Vinlyester Resin, Add* | *847.78* | |
| | | *For Epoxy Resin, Add* | *99.92* | |
| | | *For Up To >10, Add* | *802.51* | |
| | | *For >10 To 25, Add* | *466.90* | |
| | | *For >25 To 50, Add* | *340.70* | |
| | | *For >50 To 100, Add* | *170.35* | |
| | | *For >500 To 1,000, Deduct* | *-65.48* | |
| | | *For >1,000 To 2,000, Deduct* | *-99.04* | |
| | | *For >2,000 To 5,000, Deduct* | *-161.75* | |
| | | *For >5,000, Deduct* | *-268.48* | |
| 33 01 30 72-0206 | LF | 30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,496.85 | |
| | | *For Vinlyester Resin, Add* | *993.87* | |
| | | *For Epoxy Resin, Add* | *117.13* | |
| | | *For Up To >10, Add* | *941.03* | |
| | | *For >10 To 25, Add* | *547.55* | |
| | | *For >25 To 50, Add* | *399.52* | |
| | | *For >50 To 100, Add* | *199.76* | |
| | | *For >500 To 1,000, Deduct* | *-76.77* | |
| | | *For >1,000 To 2,000, Deduct* | *-116.12* | |
| | | *For >2,000 To 5,000, Deduct* | *-189.64* | |
| | | *For >5,000, Deduct* | *-314.78* | |
| 33 01 30 72-0207 | LF | 30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,716.81 | |
| | | *For Vinlyester Resin, Add* | *1,139.96* | |
| | | *For Epoxy Resin, Add* | *134.35* | |
| | | *For Up To >10, Add* | *1,079.16* | |
| | | *For >10 To 25, Add* | *627.88* | |
| | | *For >25 To 50, Add* | *458.15* | |
| | | *For >50 To 100, Add* | *229.08* | |
| | | *For >500 To 1,000, Deduct* | *-88.05* | |
| | | *For >1,000 To 2,000, Deduct* | *-133.18* | |
| | | *For >2,000 To 5,000, Deduct* | *-217.50* | |
| | | *For >5,000, Deduct* | *-361.02* | |
| 33 01 30 72-0208 | LF | 30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,936.91 | |
| | | *For Vinlyester Resin, Add* | *1,286.05* | |
| | | *For Epoxy Resin, Add* | *151.57* | |
| | | *For Up To >10, Add* | *1,217.71* | |
| | | *For >10 To 25, Add* | *708.55* | |
| | | *For >25 To 50, Add* | *516.99* | |
| | | *For >50 To 100, Add* | *258.50* | |
| | | *For >500 To 1,000, Deduct* | *-99.34* | |
| | | *For >1,000 To 2,000, Deduct* | *-150.25* | |
| | | *For >2,000 To 5,000, Deduct* | *-245.39* | |
| | | *For >5,000, Deduct* | *-407.32* | |
| 33 01 30 72-0209 | LF | 30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,156.86 | |
| | | *For Vinlyester Resin, Add* | *1,432.14* | |
| | | *For Epoxy Resin, Add* | *168.79* | |
| | | *For Up To >10, Add* | *1,355.81* | |
| | | *For >10 To 25, Add* | *788.85* | |
| | | *For >25 To 50, Add* | *575.61* | |
| | | *For >50 To 100, Add* | *287.80* | |
| | | *For >500 To 1,000, Deduct* | *-110.62* | |
| | | *For >1,000 To 2,000, Deduct* | *-167.31* | |
| | | *For >2,000 To 5,000, Deduct* | *-273.25* | |
| | | *For >5,000, Deduct* | *-453.56* | |
| 33 01 30 72-0210 | LF | 30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,383.06 | |
| | | *For Vinlyester Resin, Add* | *1,578.23* | |
| | | *For Epoxy Resin, Add* | *186.01* | |
| | | *For Up To >10, Add* | *1,512.66* | |
| | | *For >10 To 25, Add* | *884.78* | |
| | | *For >25 To 50, Add* | *643.60* | |
| | | *For >50 To 100, Add* | *321.80* | |
| | | *For >500 To 1,000, Deduct* | *-122.36* | |
| | | *For >1,000 To 2,000, Deduct* | *-185.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-302.67* | |
| | | *For >5,000, Deduct* | *-502.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0211 | LF | 30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,603.56 | |
| | | *For Vinlyester Resin, Add* | *1,724.32* | |
| | | *For Epoxy Resin, Add* | *203.22* | |
| | | *For Up To >10, Add* | *1,652.41* | |
| | | *For >10 To 25, Add* | *966.45* | |
| | | *For >25 To 50, Add* | *703.04* | |
| | | *For >50 To 100, Add* | *351.52* | |
| | | *For >500 To 1,000, Deduct* | *-133.68* | |
| | | *For >1,000 To 2,000, Deduct* | *-202.28* | |
| | | *For >2,000 To 5,000, Deduct* | *-330.66* | |
| | | *For >5,000, Deduct* | *-548.76* | |
| 33 01 30 72-0212 | LF | 30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,824.19 | |
| | | *For Vinlyester Resin, Add* | *1,870.41* | |
| | | *For Epoxy Resin, Add* | *220.44* | |
| | | *For Up To >10, Add* | *1,792.55* | |
| | | *For >10 To 25, Add* | *1,048.45* | |
| | | *For >25 To 50, Add* | *762.67* | |
| | | *For >50 To 100, Add* | *381.34* | |
| | | *For >500 To 1,000, Deduct* | *-145.01* | |
| | | *For >1,000 To 2,000, Deduct* | *-219.42* | |
| | | *For >2,000 To 5,000, Deduct* | *-358.69* | |
| | | *For >5,000, Deduct* | *-595.27* | |
| 33 01 30 72-0213 | LF | 30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,044.83 | |
| | | *For Vinlyester Resin, Add* | *2,016.50* | |
| | | *For Epoxy Resin, Add* | *237.66* | |
| | | *For Up To >10, Add* | *1,932.72* | |
| | | *For >10 To 25, Add* | *1,130.48* | |
| | | *For >25 To 50, Add* | *822.32* | |
| | | *For >50 To 100, Add* | *411.16* | |
| | | *For >500 To 1,000, Deduct* | *-156.34* | |
| | | *For >1,000 To 2,000, Deduct* | *-236.57* | |
| | | *For >2,000 To 5,000, Deduct* | *-386.72* | |
| | | *For >5,000, Deduct* | *-641.79* | |
| 33 01 30 72-0214 | LF | 30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,265.33 | |
| | | *For Vinlyester Resin, Add* | *2,162.59* | |
| | | *For Epoxy Resin, Add* | *254.88* | |
| | | *For Up To >10, Add* | *2,072.47* | |
| | | *For >10 To 25, Add* | *1,212.15* | |
| | | *For >25 To 50, Add* | *881.76* | |
| | | *For >50 To 100, Add* | *440.88* | |
| | | *For >500 To 1,000, Deduct* | *-167.66* | |
| | | *For >1,000 To 2,000, Deduct* | *-253.70* | |
| | | *For >2,000 To 5,000, Deduct* | *-414.71* | |
| | | *For >5,000, Deduct* | *-688.25* | |
| 33 01 30 72-0215 | LF | 30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,485.96 | |
| | | *For Vinlyester Resin, Add* | *2,308.68* | |
| | | *For Epoxy Resin, Add* | *272.09* | |
| | | *For Up To >10, Add* | *2,212.61* | |
| | | *For >10 To 25, Add* | *1,294.15* | |
| | | *For >25 To 50, Add* | *941.40* | |
| | | *For >50 To 100, Add* | *470.70* | |
| | | *For >500 To 1,000, Deduct* | *-178.99* | |
| | | *For >1,000 To 2,000, Deduct* | *-270.84* | |
| | | *For >2,000 To 5,000, Deduct* | *-442.74* | |
| | | *For >5,000, Deduct* | *-734.76* | |

## 33 01 30 72-0216 31.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0217 | LF | 31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 875.74 | |
| | | *For Vinlyester Resin, Add* | *581.88* | |
| | | *For Epoxy Resin, Add* | *68.58* | |
| | | *For Up To >10, Add* | *549.10* | |
| | | *For >10 To 25, Add* | *319.04* | |
| | | *For >25 To 50, Add* | *232.99* | |
| | | *For >50 To 100, Add* | *116.49* | |
| | | *For >500 To 1,000, Deduct* | *-44.90* | |
| | | *For >1,000 To 2,000, Deduct* | *-67.91* | |
| | | *For >2,000 To 5,000, Deduct* | *-110.87* | |
| | | *For >5,000, Deduct* | *-184.05* | |
| 33 01 30 72-0218 | LF | 31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 991.13 | |
| | | *For Vinlyester Resin, Add* | *658.57* | |
| | | *For Epoxy Resin, Add* | *77.62* | |
| | | *For Up To >10, Add* | *621.37* | |
| | | *For >10 To 25, Add* | *361.00* | |
| | | *For >25 To 50, Add* | *263.64* | |
| | | *For >50 To 100, Add* | *131.82* | |
| | | *For >500 To 1,000, Deduct* | *-50.81* | |
| | | *For >1,000 To 2,000, Deduct* | *-76.85* | |
| | | *For >2,000 To 5,000, Deduct* | *-125.48* | |
| | | *For >5,000, Deduct* | *-208.29* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0219 | LF | 31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,106.52 | |
| | | *For Vinlyester Resin, Add* | *735.26* | |
| | | *For Epoxy Resin, Add* | *86.66* | |
| | | *For Up To >10, Add* | *693.64* | |
| | | *For >10 To 25, Add* | *402.97* | |
| | | *For >25 To 50, Add* | *294.30* | |
| | | *For >50 To 100, Add* | *147.15* | |
| | | *For >500 To 1,000, Deduct* | *-56.73* | |
| | | *For >1,000 To 2,000, Deduct* | *-85.80* | |
| | | *For >2,000 To 5,000, Deduct* | *-140.08* | |
| | | *For >5,000, Deduct* | *-232.53* | |
| 33 01 30 72-0220 | LF | 31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,337.47 | |
| | | *For Vinlyester Resin, Add* | *888.66* | |
| | | *For Epoxy Resin, Add* | *104.73* | |
| | | *For Up To >10, Add* | *838.64* | |
| | | *For >10 To 25, Add* | *487.28* | |
| | | *For >25 To 50, Add* | *355.84* | |
| | | *For >50 To 100, Add* | *177.92* | |
| | | *For >500 To 1,000, Deduct* | *-68.57* | |
| | | *For >1,000 To 2,000, Deduct* | *-103.71* | |
| | | *For >2,000 To 5,000, Deduct* | *-169.33* | |
| | | *For >5,000, Deduct* | *-281.09* | |
| 33 01 30 72-0221 | LF | 31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,568.26 | |
| | | *For Vinlyester Resin, Add* | *1,042.06* | |
| | | *For Epoxy Resin, Add* | *122.81* | |
| | | *For Up To >10, Add* | *983.16* | |
| | | *For >10 To 25, Add* | *571.19* | |
| | | *For >25 To 50, Add* | *417.15* | |
| | | *For >50 To 100, Add* | *208.57* | |
| | | *For >500 To 1,000, Deduct* | *-80.40* | |
| | | *For >1,000 To 2,000, Deduct* | *-121.60* | |
| | | *For >2,000 To 5,000, Deduct* | *-198.54* | |
| | | *For >5,000, Deduct* | *-329.57* | |
| 33 01 30 72-0222 | LF | 31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,799.20 | |
| | | *For Vinlyester Resin, Add* | *1,195.45* | |
| | | *For Epoxy Resin, Add* | *140.89* | |
| | | *For Up To >10, Add* | *1,128.15* | |
| | | *For >10 To 25, Add* | *655.50* | |
| | | *For >25 To 50, Add* | *478.69* | |
| | | *For >50 To 100, Add* | *239.34* | |
| | | *For >500 To 1,000, Deduct* | *-92.25* | |
| | | *For >1,000 To 2,000, Deduct* | *-139.51* | |
| | | *For >2,000 To 5,000, Deduct* | *-227.79* | |
| | | *For >5,000, Deduct* | *-378.12* | |
| 33 01 30 72-0223 | LF | 31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,030.00 | |
| | | *For Vinlyester Resin, Add* | *1,348.84* | |
| | | *For Epoxy Resin, Add* | *158.97* | |
| | | *For Up To >10, Add* | *1,272.73* | |
| | | *For >10 To 25, Add* | *739.45* | |
| | | *For >25 To 50, Add* | *540.02* | |
| | | *For >50 To 100, Add* | *270.01* | |
| | | *For >500 To 1,000, Deduct* | *-104.08* | |
| | | *For >1,000 To 2,000, Deduct* | *-157.40* | |
| | | *For >2,000 To 5,000, Deduct* | *-257.00* | |
| | | *For >5,000, Deduct* | *-426.62* | |
| 33 01 30 72-0224 | LF | 31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,260.79 | |
| | | *For Vinlyester Resin, Add* | *1,502.24* | |
| | | *For Epoxy Resin, Add* | *177.05* | |
| | | *For Up To >10, Add* | *1,417.25* | |
| | | *For >10 To 25, Add* | *823.36* | |
| | | *For >25 To 50, Add* | *601.32* | |
| | | *For >50 To 100, Add* | *300.66* | |
| | | *For >500 To 1,000, Deduct* | *-115.91* | |
| | | *For >1,000 To 2,000, Deduct* | *-175.30* | |
| | | *For >2,000 To 5,000, Deduct* | *-286.21* | |
| | | *For >5,000, Deduct* | *-475.11* | |
| 33 01 30 72-0225 | LF | 31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,498.12 | |
| | | *For Vinlyester Resin, Add* | *1,655.63* | |
| | | *For Epoxy Resin, Add* | *195.13* | |
| | | *For Up To >10, Add* | *1,581.39* | |
| | | *For >10 To 25, Add* | *923.62* | |
| | | *For >25 To 50, Add* | *672.43* | |
| | | *For >50 To 100, Add* | *336.22* | |
| | | *For >500 To 1,000, Deduct* | *-128.23* | |
| | | *For >1,000 To 2,000, Deduct* | *-194.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-317.06* | |
| | | *For >5,000, Deduct* | *-526.21* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0226 | LF | 31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,747.37 | |
| | | *For Vinlyester Resin, Add* | *1,821.38* | |
| | | *For Epoxy Resin, Add* | *214.66* | |
| | | *For Up To >10, Add* | *1,737.19* | |
| | | *For >10 To 25, Add* | *1,013.99* | |
| | | *For >25 To 50, Add* | *738.49* | |
| | | *For >50 To 100, Add* | *369.25* | |
| | | *For >500 To 1,000, Deduct* | *-141.00* | |
| | | *For >1,000 To 2,000, Deduct* | *-213.32* | |
| | | *For >2,000 To 5,000, Deduct* | *-348.59* | |
| | | *For >5,000, Deduct* | *-578.55* | |
| 33 01 30 72-0227 | LF | 31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,960.92 | |
| | | *For Vinlyester Resin, Add* | *1,962.42* | |
| | | *For Epoxy Resin, Add* | *231.28* | |
| | | *For Up To >10, Add* | *1,874.14* | |
| | | *For >10 To 25, Add* | *1,094.54* | |
| | | *For >25 To 50, Add* | *796.90* | |
| | | *For >50 To 100, Add* | *398.45* | |
| | | *For >500 To 1,000, Deduct* | *-151.98* | |
| | | *For >1,000 To 2,000, Deduct* | *-229.94* | |
| | | *For >2,000 To 5,000, Deduct* | *-375.78* | |
| | | *For >5,000, Deduct* | *-623.68* | |
| 33 01 30 72-0228 | LF | 31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,192.41 | |
| | | *For Vinlyester Resin, Add* | *2,115.81* | |
| | | *For Epoxy Resin, Add* | *249.36* | |
| | | *For Up To >10, Add* | *2,020.76* | |
| | | *For >10 To 25, Add* | *1,180.20* | |
| | | *For >25 To 50, Add* | *859.25* | |
| | | *For >50 To 100, Add* | *429.62* | |
| | | *For >500 To 1,000, Deduct* | *-163.87* | |
| | | *For >1,000 To 2,000, Deduct* | *-247.92* | |
| | | *For >2,000 To 5,000, Deduct* | *-405.17* | |
| | | *For >5,000, Deduct* | *-672.45* | |
| 33 01 30 72-0229 | LF | 31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,423.74 | |
| | | *For Vinlyester Resin, Add* | *2,269.20* | |
| | | *For Epoxy Resin, Add* | *267.44* | |
| | | *For Up To >10, Add* | *2,166.92* | |
| | | *For >10 To 25, Add* | *1,265.48* | |
| | | *For >25 To 50, Add* | *921.37* | |
| | | *For >50 To 100, Add* | *460.69* | |
| | | *For >500 To 1,000, Deduct* | *-175.74* | |
| | | *For >1,000 To 2,000, Deduct* | *-265.88* | |
| | | *For >2,000 To 5,000, Deduct* | *-434.51* | |
| | | *For >5,000, Deduct* | *-721.15* | |
| 33 01 30 72-0230 | LF | 31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,655.22 | |
| | | *For Vinlyester Resin, Add* | *2,422.60* | |
| | | *For Epoxy Resin, Add* | *285.52* | |
| | | *For Up To >10, Add* | *2,313.54* | |
| | | *For >10 To 25, Add* | *1,351.14* | |
| | | *For >25 To 50, Add* | *983.73* | |
| | | *For >50 To 100, Add* | *491.86* | |
| | | *For >500 To 1,000, Deduct* | *-187.62* | |
| | | *For >1,000 To 2,000, Deduct* | *-283.86* | |
| | | *For >2,000 To 5,000, Deduct* | *-463.89* | |
| | | *For >5,000, Deduct* | *-769.92* | |

## 33 01 30 72-0231 33mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0232 | LF | 33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 914.41 | |
| | | *For Vinlyester Resin, Add* | *608.00* | |
| | | *For Epoxy Resin, Add* | *71.66* | |
| | | *For Up To >10, Add* | *571.81* | |
| | | *For >10 To 25, Add* | *331.74* | |
| | | *For >25 To 50, Add* | *242.47* | |
| | | *For >50 To 100, Add* | *121.24* | |
| | | *For >500 To 1,000, Deduct* | *-46.87* | |
| | | *For >1,000 To 2,000, Deduct* | *-70.87* | |
| | | *For >2,000 To 5,000, Deduct* | *-115.69* | |
| | | *For >5,000, Deduct* | *-192.05* | |
| 33 01 30 72-0233 | LF | 33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,035.30 | |
| | | *For Vinlyester Resin, Add* | *688.35* | |
| | | *For Epoxy Resin, Add* | *81.13* | |
| | | *For Up To >10, Add* | *647.53* | |
| | | *For >10 To 25, Add* | *375.71* | |
| | | *For >25 To 50, Add* | *274.60* | |
| | | *For >50 To 100, Add* | *137.30* | |
| | | *For >500 To 1,000, Deduct* | *-53.06* | |
| | | *For >1,000 To 2,000, Deduct* | *-80.25* | |
| | | *For >2,000 To 5,000, Deduct* | *-130.99* | |
| | | *For >5,000, Deduct* | *-217.45* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0234 | LF | 33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,156.05 | |
| | | *For Vinlyester Resin, Add* | *768.70* | |
| | | *For Epoxy Resin, Add* | *90.60* | |
| | | *For Up To >10, Add* | *722.80* | |
| | | *For >10 To 25, Add* | *419.31* | |
| | | *For >25 To 50, Add* | *306.49* | |
| | | *For >50 To 100, Add* | *153.25* | |
| | | *For >500 To 1,000, Deduct* | *-59.25* | |
| | | *For >1,000 To 2,000, Deduct* | *-89.60* | |
| | | *For >2,000 To 5,000, Deduct* | *-146.25* | |
| | | *For >5,000, Deduct* | *-242.79* | |
| 33 01 30 72-0235 | LF | 33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,397.83 | |
| | | *For Vinlyester Resin, Add* | *929.40* | |
| | | *For Epoxy Resin, Add* | *109.54* | |
| | | *For Up To >10, Add* | *874.22* | |
| | | *For >10 To 25, Add* | *507.23* | |
| | | *For >25 To 50, Add* | *370.72* | |
| | | *For >50 To 100, Add* | *185.36* | |
| | | *For >500 To 1,000, Deduct* | *-71.64* | |
| | | *For >1,000 To 2,000, Deduct* | *-108.34* | |
| | | *For >2,000 To 5,000, Deduct* | *-176.86* | |
| | | *For >5,000, Deduct* | *-293.59* | |
| 33 01 30 72-0236 | LF | 33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,639.47 | |
| | | *For Vinlyester Resin, Add* | *1,090.09* | |
| | | *For Epoxy Resin, Add* | *128.47* | |
| | | *For Up To >10, Add* | *1,025.24* | |
| | | *For >10 To 25, Add* | *594.82* | |
| | | *For >25 To 50, Add* | *434.75* | |
| | | *For >50 To 100, Add* | *217.38* | |
| | | *For >500 To 1,000, Deduct* | *-84.03* | |
| | | *For >1,000 To 2,000, Deduct* | *-127.07* | |
| | | *For >2,000 To 5,000, Deduct* | *-207.42* | |
| | | *For >5,000, Deduct* | *-344.33* | |
| 33 01 30 72-0237 | LF | 33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,881.26 | |
| | | *For Vinlyester Resin, Add* | *1,250.80* | |
| | | *For Epoxy Resin, Add* | *147.42* | |
| | | *For Up To >10, Add* | *1,176.66* | |
| | | *For >10 To 25, Add* | *682.74* | |
| | | *For >25 To 50, Add* | *498.99* | |
| | | *For >50 To 100, Add* | *249.49* | |
| | | *For >500 To 1,000, Deduct* | *-96.42* | |
| | | *For >1,000 To 2,000, Deduct* | *-145.82* | |
| | | *For >2,000 To 5,000, Deduct* | *-238.02* | |
| | | *For >5,000, Deduct* | *-395.13* | |
| 33 01 30 72-0238 | LF | 33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,122.89 | |
| | | *For Vinlyester Resin, Add* | *1,411.49* | |
| | | *For Epoxy Resin, Add* | *166.35* | |
| | | *For Up To >10, Add* | *1,327.65* | |
| | | *For >10 To 25, Add* | *770.30* | |
| | | *For >25 To 50, Add* | *563.00* | |
| | | *For >50 To 100, Add* | *281.50* | |
| | | *For >500 To 1,000, Deduct* | *-108.81* | |
| | | *For >1,000 To 2,000, Deduct* | *-164.54* | |
| | | *For >2,000 To 5,000, Deduct* | *-268.59* | |
| | | *For >5,000, Deduct* | *-445.87* | |
| 33 01 30 72-0239 | LF | 33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,364.54 | |
| | | *For Vinlyester Resin, Add* | *1,572.19* | |
| | | *For Epoxy Resin, Add* | *185.29* | |
| | | *For Up To >10, Add* | *1,478.65* | |
| | | *For >10 To 25, Add* | *857.87* | |
| | | *For >25 To 50, Add* | *627.02* | |
| | | *For >50 To 100, Add* | *313.51* | |
| | | *For >500 To 1,000, Deduct* | *-121.19* | |
| | | *For >1,000 To 2,000, Deduct* | *-183.27* | |
| | | *For >2,000 To 5,000, Deduct* | *-299.16* | |
| | | *For >5,000, Deduct* | *-496.62* | |
| 33 01 30 72-0240 | LF | 33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,612.81 | |
| | | *For Vinlyester Resin, Add* | *1,732.89* | |
| | | *For Epoxy Resin, Add* | *204.23* | |
| | | *For Up To >10, Add* | *1,649.56* | |
| | | *For >10 To 25, Add* | *962.04* | |
| | | *For >25 To 50, Add* | *701.00* | |
| | | *For >50 To 100, Add* | *350.50* | |
| | | *For >500 To 1,000, Deduct* | *-134.07* | |
| | | *For >1,000 To 2,000, Deduct* | *-202.82* | |
| | | *For >2,000 To 5,000, Deduct* | *-331.38* | |
| | | *For >5,000, Deduct* | *-550.01* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0241 | LF | 33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,855.54 | |
| | | *For Vinlyester Resin, Add* | *1,893.58* | |
| | | *For Epoxy Resin, Add* | *223.17* | |
| | | *For Up To >10, Add* | *1,803.82* | |
| | | *For >10 To 25, Add* | *1,052.33* | |
| | | *For >25 To 50, Add* | *766.65* | |
| | | *For >50 To 100, Add* | *383.33* | |
| | | *For >500 To 1,000, Deduct* | *-146.54* | |
| | | *For >1,000 To 2,000, Deduct* | *-221.69* | |
| | | *For >2,000 To 5,000, Deduct* | *-362.22* | |
| | | *For >5,000, Deduct* | *-601.19* | |
| 33 01 30 72-0242 | LF | 33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,097.32 | |
| | | *For Vinlyester Resin, Add* | *2,054.28* | |
| | | *For Epoxy Resin, Add* | *242.11* | |
| | | *For Up To >10, Add* | *1,955.24* | |
| | | *For >10 To 25, Add* | *1,140.25* | |
| | | *For >25 To 50, Add* | *830.88* | |
| | | *For >50 To 100, Add* | *415.44* | |
| | | *For >500 To 1,000, Deduct* | *-158.93* | |
| | | *For >1,000 To 2,000, Deduct* | *-240.43* | |
| | | *For >2,000 To 5,000, Deduct* | *-392.82* | |
| | | *For >5,000, Deduct* | *-651.99* | |
| 33 01 30 72-0243 | LF | 33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,339.64 | |
| | | *For Vinlyester Resin, Add* | *2,214.98* | |
| | | *For Epoxy Resin, Add* | *261.05* | |
| | | *For Up To >10, Add* | *2,108.27* | |
| | | *For >10 To 25, Add* | *1,229.52* | |
| | | *For >25 To 50, Add* | *895.92* | |
| | | *For >50 To 100, Add* | *447.96* | |
| | | *For >500 To 1,000, Deduct* | *-171.37* | |
| | | *For >1,000 To 2,000, Deduct* | *-259.24* | |
| | | *For >2,000 To 5,000, Deduct* | *-423.56* | |
| | | *For >5,000, Deduct* | *-703.00* | |
| 33 01 30 72-0244 | LF | 33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,581.96 | |
| | | *For Vinlyester Resin, Add* | *2,375.68* | |
| | | *For Epoxy Resin, Add* | *279.99* | |
| | | *For Up To >10, Add* | *2,261.31* | |
| | | *For >10 To 25, Add* | *1,318.78* | |
| | | *For >25 To 50, Add* | *960.96* | |
| | | *For >50 To 100, Add* | *480.48* | |
| | | *For >500 To 1,000, Deduct* | *-183.80* | |
| | | *For >1,000 To 2,000, Deduct* | *-278.05* | |
| | | *For >2,000 To 5,000, Deduct* | *-454.29* | |
| | | *For >5,000, Deduct* | *-754.02* | |
| 33 01 30 72-0245 | LF | 33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,824.28 | |
| | | *For Vinlyester Resin, Add* | *2,536.38* | |
| | | *For Epoxy Resin, Add* | *298.93* | |
| | | *For Up To >10, Add* | *2,414.34* | |
| | | *For >10 To 25, Add* | *1,408.05* | |
| | | *For >25 To 50, Add* | *1,026.00* | |
| | | *For >50 To 100, Add* | *513.00* | |
| | | *For >500 To 1,000, Deduct* | *-196.24* | |
| | | *For >1,000 To 2,000, Deduct* | *-296.87* | |
| | | *For >2,000 To 5,000, Deduct* | *-485.03* | |
| | | *For >5,000, Deduct* | *-805.03* | |

## 33 01 30 72-0246 34.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0247 | LF | 34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,078.86 | |
| | | *For Vinlyester Resin, Add* | *717.98* | |
| | | *For Epoxy Resin, Add* | *84.62* | |
| | | *For Up To >10, Add* | *672.36* | |
| | | *For >10 To 25, Add* | *389.35* | |
| | | *For >25 To 50, Add* | *284.89* | |
| | | *For >50 To 100, Add* | *142.45* | |
| | | *For >500 To 1,000, Deduct* | *-55.27* | |
| | | *For >1,000 To 2,000, Deduct* | *-83.57* | |
| | | *For >2,000 To 5,000, Deduct* | *-136.38* | |
| | | *For >5,000, Deduct* | *-226.41* | |
| 33 01 30 72-0248 | LF | 34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,205.10 | |
| | | *For Vinlyester Resin, Add* | *801.98* | |
| | | *For Epoxy Resin, Add* | *94.52* | |
| | | *For Up To >10, Add* | *751.08* | |
| | | *For >10 To 25, Add* | *434.95* | |
| | | *For >25 To 50, Add* | *318.25* | |
| | | *For >50 To 100, Add* | *159.13* | |
| | | *For >500 To 1,000, Deduct* | *-61.74* | |
| | | *For >1,000 To 2,000, Deduct* | *-93.35* | |
| | | *For >2,000 To 5,000, Deduct* | *-152.34* | |
| | | *For >5,000, Deduct* | *-252.90* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0249 | LF | 34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,457.59 | |
| | | *For Vinlyester Resin, Add* | *969.99* | |
| | | *For Epoxy Resin, Add* | *114.32* | |
| | | *For Up To >10, Add* | *908.52* | |
| | | *For >10 To 25, Add* | *526.15* | |
| | | *For >25 To 50, Add* | *384.98* | |
| | | *For >50 To 100, Add* | *192.49* | |
| | | *For >500 To 1,000, Deduct* | *-74.68* | |
| | | *For >1,000 To 2,000, Deduct* | *-112.91* | |
| | | *For >2,000 To 5,000, Deduct* | *-184.26* | |
| | | *For >5,000, Deduct* | *-305.90* | |
| 33 01 30 72-0250 | LF | 34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,709.93 | |
| | | *For Vinlyester Resin, Add* | *1,137.99* | |
| | | *For Epoxy Resin, Add* | *134.12* | |
| | | *For Up To >10, Add* | *1,065.54* | |
| | | *For >10 To 25, Add* | *617.00* | |
| | | *For >25 To 50, Add* | *451.49* | |
| | | *For >50 To 100, Add* | *225.74* | |
| | | *For >500 To 1,000, Deduct* | *-87.60* | |
| | | *For >1,000 To 2,000, Deduct* | *-132.46* | |
| | | *For >2,000 To 5,000, Deduct* | *-216.14* | |
| | | *For >5,000, Deduct* | *-358.83* | |
| 33 01 30 72-0251 | LF | 34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,962.41 | |
| | | *For Vinlyester Resin, Add* | *1,305.99* | |
| | | *For Epoxy Resin, Add* | *153.92* | |
| | | *For Up To >10, Add* | *1,222.98* | |
| | | *For >10 To 25, Add* | *708.20* | |
| | | *For >25 To 50, Add* | *518.21* | |
| | | *For >50 To 100, Add* | *259.10* | |
| | | *For >500 To 1,000, Deduct* | *-100.54* | |
| | | *For >1,000 To 2,000, Deduct* | *-152.02* | |
| | | *For >2,000 To 5,000, Deduct* | *-248.06* | |
| | | *For >5,000, Deduct* | *-411.82* | |
| 33 01 30 72-0252 | LF | 34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,214.76 | |
| | | *For Vinlyester Resin, Add* | *1,474.00* | |
| | | *For Epoxy Resin, Add* | *173.72* | |
| | | *For Up To >10, Add* | *1,380.01* | |
| | | *For >10 To 25, Add* | *799.05* | |
| | | *For >25 To 50, Add* | *584.72* | |
| | | *For >50 To 100, Add* | *292.36* | |
| | | *For >500 To 1,000, Deduct* | *-113.46* | |
| | | *For >1,000 To 2,000, Deduct* | *-171.56* | |
| | | *For >2,000 To 5,000, Deduct* | *-279.95* | |
| | | *For >5,000, Deduct* | *-464.76* | |
| 33 01 30 72-0253 | LF | 34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,467.24 | |
| | | *For Vinlyester Resin, Add* | *1,642.00* | |
| | | *For Epoxy Resin, Add* | *193.52* | |
| | | *For Up To >10, Add* | *1,537.45* | |
| | | *For >10 To 25, Add* | *890.25* | |
| | | *For >25 To 50, Add* | *651.44* | |
| | | *For >50 To 100, Add* | *325.72* | |
| | | *For >500 To 1,000, Deduct* | *-126.40* | |
| | | *For >1,000 To 2,000, Deduct* | *-191.12* | |
| | | *For >2,000 To 5,000, Deduct* | *-311.87* | |
| | | *For >5,000, Deduct* | *-517.75* | |
| 33 01 30 72-0254 | LF | 34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,726.36 | |
| | | *For Vinlyester Resin, Add* | *1,810.00* | |
| | | *For Epoxy Resin, Add* | *213.32* | |
| | | *For Up To >10, Add* | *1,714.81* | |
| | | *For >10 To 25, Add* | *998.05* | |
| | | *For >25 To 50, Add* | *728.12* | |
| | | *For >50 To 100, Add* | *364.06* | |
| | | *For >500 To 1,000, Deduct* | *-139.83* | |
| | | *For >1,000 To 2,000, Deduct* | *-211.51* | |
| | | *For >2,000 To 5,000, Deduct* | *-345.45* | |
| | | *For >5,000, Deduct* | *-573.40* | |
| 33 01 30 72-0255 | LF | 34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,979.66 | |
| | | *For Vinlyester Resin, Add* | *1,978.00* | |
| | | *For Epoxy Resin, Add* | *233.12* | |
| | | *For Up To >10, Add* | *1,874.71* | |
| | | *For >10 To 25, Add* | *1,091.30* | |
| | | *For >25 To 50, Add* | *796.07* | |
| | | *For >50 To 100, Add* | *398.03* | |
| | | *For >500 To 1,000, Deduct* | *-152.83* | |
| | | *For >1,000 To 2,000, Deduct* | *-231.17* | |
| | | *For >2,000 To 5,000, Deduct* | *-377.57* | |
| | | *For >5,000, Deduct* | *-626.72* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0256 | LF | 34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,230.25 | |
| | | *For Vinlyester Resin, Add* | *2,146.00* | |
| | | *For Epoxy Resin, Add* | *252.92* | |
| | | *For Up To >10, Add* | *2,026.45* | |
| | | *For >10 To 25, Add* | *1,177.76* | |
| | | *For >25 To 50, Add* | *859.94* | |
| | | *For >50 To 100, Add* | *429.97* | |
| | | *For >500 To 1,000, Deduct* | *-165.63* | |
| | | *For >1,000 To 2,000, Deduct* | *-250.50* | |
| | | *For >2,000 To 5,000, Deduct* | *-409.02* | |
| | | *For >5,000, Deduct* | *-678.96* | |
| 33 01 30 72-0257 | LF | 34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,485.58 | |
| | | *For Vinlyester Resin, Add* | *2,314.01* | |
| | | *For Epoxy Resin, Add* | *272.72* | |
| | | *For Up To >10, Add* | *2,192.42* | |
| | | *For >10 To 25, Add* | *1,276.06* | |
| | | *For >25 To 50, Add* | *930.92* | |
| | | *For >50 To 100, Add* | *465.46* | |
| | | *For >500 To 1,000, Deduct* | *-178.78* | |
| | | *For >1,000 To 2,000, Deduct* | *-270.41* | |
| | | *For >2,000 To 5,000, Deduct* | *-441.65* | |
| | | *For >5,000, Deduct* | *-733.09* | |
| 33 01 30 72-0258 | LF | 34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,738.60 | |
| | | *For Vinlyester Resin, Add* | *2,482.01* | |
| | | *For Epoxy Resin, Add* | *292.52* | |
| | | *For Up To >10, Add* | *2,351.48* | |
| | | *For >10 To 25, Add* | *1,368.61* | |
| | | *For >25 To 50, Add* | *998.45* | |
| | | *For >50 To 100, Add* | *499.23* | |
| | | *For >500 To 1,000, Deduct* | *-191.75* | |
| | | *For >1,000 To 2,000, Deduct* | *-290.04* | |
| | | *For >2,000 To 5,000, Deduct* | *-473.71* | |
| | | *For >5,000, Deduct* | *-786.29* | |
| 33 01 30 72-0259 | LF | 34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,991.63 | |
| | | *For Vinlyester Resin, Add* | *2,650.01* | |
| | | *For Epoxy Resin, Add* | *312.32* | |
| | | *For Up To >10, Add* | *2,510.57* | |
| | | *For >10 To 25, Add* | *1,461.18* | |
| | | *For >25 To 50, Add* | *1,066.00* | |
| | | *For >50 To 100, Add* | *533.00* | |
| | | *For >500 To 1,000, Deduct* | *-204.73* | |
| | | *For >1,000 To 2,000, Deduct* | *-309.67* | |
| | | *For >2,000 To 5,000, Deduct* | *-505.76* | |
| | | *For >5,000, Deduct* | *-839.51* | |

## 33 01 30 72-0260 36mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0261 | LF | 36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,122.21 | |
| | | *For Vinlyester Resin, Add* | *747.47* | |
| | | *For Epoxy Resin, Add* | *88.10* | |
| | | *For Up To >10, Add* | *697.08* | |
| | | *For >10 To 25, Add* | *402.93* | |
| | | *For >25 To 50, Add* | *295.15* | |
| | | *For >50 To 100, Add* | *147.57* | |
| | | *For >500 To 1,000, Deduct* | *-57.47* | |
| | | *For >1,000 To 2,000, Deduct* | *-86.89* | |
| | | *For >2,000 To 5,000, Deduct* | *-141.74* | |
| | | *For >5,000, Deduct* | *-235.32* | |
| 33 01 30 72-0262 | LF | 36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,253.79 | |
| | | *For Vinlyester Resin, Add* | *835.12* | |
| | | *For Epoxy Resin, Add* | *98.42* | |
| | | *For Up To >10, Add* | *778.80* | |
| | | *For >10 To 25, Add* | *450.16* | |
| | | *For >25 To 50, Add* | *329.75* | |
| | | *For >50 To 100, Add* | *164.87* | |
| | | *For >500 To 1,000, Deduct* | *-64.21* | |
| | | *For >1,000 To 2,000, Deduct* | *-97.07* | |
| | | *For >2,000 To 5,000, Deduct* | *-158.35* | |
| | | *For >5,000, Deduct* | *-262.91* | |
| 33 01 30 72-0263 | LF | 36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,516.99 | |
| | | *For Vinlyester Resin, Add* | *1,010.44* | |
| | | *For Epoxy Resin, Add* | *119.09* | |
| | | *For Up To >10, Add* | *942.27* | |
| | | *For >10 To 25, Add* | *544.65* | |
| | | *For >25 To 50, Add* | *398.96* | |
| | | *For >50 To 100, Add* | *199.48* | |
| | | *For >500 To 1,000, Deduct* | *-77.69* | |
| | | *For >1,000 To 2,000, Deduct* | *-117.45* | |
| | | *For >2,000 To 5,000, Deduct* | *-191.60* | |
| | | *For >5,000, Deduct* | *-318.10* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0264 | LF | 36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,780.19 | |
| | | *For Vinlyester Resin, Add* | *1,185.74* | |
| | | *For Epoxy Resin, Add* | *139.75* | |
| | | *For Up To >10, Add* | *1,105.77* | |
| | | *For >10 To 25, Add* | *639.16* | |
| | | *For >25 To 50, Add* | *468.19* | |
| | | *For >50 To 100, Add* | *234.09* | |
| | | *For >500 To 1,000, Deduct* | *-91.17* | |
| | | *For >1,000 To 2,000, Deduct* | *-137.83* | |
| | | *For >2,000 To 5,000, Deduct* | *-224.84* | |
| | | *For >5,000, Deduct* | *-373.29* | |
| 33 01 30 72-0265 | LF | 36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,043.24 | |
| | | *For Vinlyester Resin, Add* | *1,361.05* | |
| | | *For Epoxy Resin, Add* | *160.41* | |
| | | *For Up To >10, Add* | *1,268.82* | |
| | | *For >10 To 25, Add* | *733.29* | |
| | | *For >25 To 50, Add* | *537.19* | |
| | | *For >50 To 100, Add* | *268.60* | |
| | | *For >500 To 1,000, Deduct* | *-104.63* | |
| | | *For >1,000 To 2,000, Deduct* | *-158.19* | |
| | | *For >2,000 To 5,000, Deduct* | *-258.04* | |
| | | *For >5,000, Deduct* | *-428.42* | |
| 33 01 30 72-0266 | LF | 36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,306.42 | |
| | | *For Vinlyester Resin, Add* | *1,536.35* | |
| | | *For Epoxy Resin, Add* | *181.07* | |
| | | *For Up To >10, Add* | *1,432.29* | |
| | | *For >10 To 25, Add* | *827.77* | |
| | | *For >25 To 50, Add* | *606.40* | |
| | | *For >50 To 100, Add* | *303.20* | |
| | | *For >500 To 1,000, Deduct* | *-118.11* | |
| | | *For >1,000 To 2,000, Deduct* | *-178.56* | |
| | | *For >2,000 To 5,000, Deduct* | *-291.28* | |
| | | *For >5,000, Deduct* | *-483.61* | |
| 33 01 30 72-0267 | LF | 36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,569.61 | |
| | | *For Vinlyester Resin, Add* | *1,711.66* | |
| | | *For Epoxy Resin, Add* | *201.73* | |
| | | *For Up To >10, Add* | *1,595.76* | |
| | | *For >10 To 25, Add* | *922.26* | |
| | | *For >25 To 50, Add* | *675.62* | |
| | | *For >50 To 100, Add* | *337.81* | |
| | | *For >500 To 1,000, Deduct* | *-131.59* | |
| | | *For >1,000 To 2,000, Deduct* | *-198.94* | |
| | | *For >2,000 To 5,000, Deduct* | *-324.52* | |
| | | *For >5,000, Deduct* | *-538.80* | |
| 33 01 30 72-0268 | LF | 36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,839.71 | |
| | | *For Vinlyester Resin, Add* | *1,886.97* | |
| | | *For Epoxy Resin, Add* | *222.39* | |
| | | *For Up To >10, Add* | *1,779.96* | |
| | | *For >10 To 25, Add* | *1,034.02* | |
| | | *For >25 To 50, Add* | *755.19* | |
| | | *For >50 To 100, Add* | *377.60* | |
| | | *For >500 To 1,000, Deduct* | *-145.59* | |
| | | *For >1,000 To 2,000, Deduct* | *-220.18* | |
| | | *For >2,000 To 5,000, Deduct* | *-359.49* | |
| | | *For >5,000, Deduct* | *-596.75* | |
| 33 01 30 72-0269 | LF | 36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,103.58 | |
| | | *For Vinlyester Resin, Add* | *2,062.28* | |
| | | *For Epoxy Resin, Add* | *243.05* | |
| | | *For Up To >10, Add* | *1,945.47* | |
| | | *For >10 To 25, Add* | *1,130.20* | |
| | | *For >25 To 50, Add* | *825.43* | |
| | | *For >50 To 100, Add* | *412.71* | |
| | | *For >500 To 1,000, Deduct* | *-159.12* | |
| | | *For >1,000 To 2,000, Deduct* | *-240.64* | |
| | | *For >2,000 To 5,000, Deduct* | *-392.90* | |
| | | *For >5,000, Deduct* | *-652.21* | |
| 33 01 30 72-0270 | LF | 36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,362.84 | |
| | | *For Vinlyester Resin, Add* | *2,237.59* | |
| | | *For Epoxy Resin, Add* | *263.72* | |
| | | *For Up To >10, Add* | *2,097.15* | |
| | | *For >10 To 25, Add* | *1,214.86* | |
| | | *For >25 To 50, Add* | *888.75* | |
| | | *For >50 To 100, Add* | *444.37* | |
| | | *For >500 To 1,000, Deduct* | *-172.30* | |
| | | *For >1,000 To 2,000, Deduct* | *-260.53* | |
| | | *For >2,000 To 5,000, Deduct* | *-425.16* | |
| | | *For >5,000, Deduct* | *-705.83* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0271 | LF | 36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,631.19 | |
| | | *For Vinlyester Resin, Add* | *2,412.89* | |
| | | *For Epoxy Resin, Add* | *284.38* | |
| | | *For Up To >10, Add* | *2,276.10* | |
| | | *For >10 To 25, Add* | *1,322.25* | |
| | | *For >25 To 50, Add* | *965.70* | |
| | | *For >50 To 100, Add* | *482.85* | |
| | | *For >500 To 1,000, Deduct* | *-186.16* | |
| | | *For >1,000 To 2,000, Deduct* | *-281.55* | |
| | | *For >2,000 To 5,000, Deduct* | *-459.69* | |
| | | *For >5,000, Deduct* | *-763.08* | |
| 33 01 30 72-0272 | LF | 36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,895.05 | |
| | | *For Vinlyester Resin, Add* | *2,588.20* | |
| | | *For Epoxy Resin, Add* | *305.04* | |
| | | *For Up To >10, Add* | *2,441.58* | |
| | | *For >10 To 25, Add* | *1,418.41* | |
| | | *For >25 To 50, Add* | *1,035.92* | |
| | | *For >50 To 100, Add* | *517.96* | |
| | | *For >500 To 1,000, Deduct* | *-199.69* | |
| | | *For >1,000 To 2,000, Deduct* | *-302.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-493.10* | |
| | | *For >5,000, Deduct* | *-818.53* | |
| 33 01 30 72-0273 | LF | 36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,158.92 | |
| | | *For Vinlyester Resin, Add* | *2,763.51* | |
| | | *For Epoxy Resin, Add* | *325.70* | |
| | | *For Up To >10, Add* | *2,607.09* | |
| | | *For >10 To 25, Add* | *1,514.59* | |
| | | *For >25 To 50, Add* | *1,106.15* | |
| | | *For >50 To 100, Add* | *553.07* | |
| | | *For >500 To 1,000, Deduct* | *-213.22* | |
| | | *For >1,000 To 2,000, Deduct* | *-322.47* | |
| | | *For >2,000 To 5,000, Deduct* | *-526.51* | |
| | | *For >5,000, Deduct* | *-873.99* | |
| 33 01 30 72-0274 | LF | 36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,422.66 | |
| | | *For Vinlyester Resin, Add* | *2,938.82* | |
| | | *For Epoxy Resin, Add* | *346.36* | |
| | | *For Up To >10, Add* | *2,772.21* | |
| | | *For >10 To 25, Add* | *1,610.45* | |
| | | *For >25 To 50, Add* | *1,176.19* | |
| | | *For >50 To 100, Add* | *588.09* | |
| | | *For >500 To 1,000, Deduct* | *-226.74* | |
| | | *For >1,000 To 2,000, Deduct* | *-342.92* | |
| | | *For >2,000 To 5,000, Deduct* | *-559.88* | |
| | | *For >5,000, Deduct* | *-929.40* | |
| 33 01 30 72-0275 | LF | 36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,686.52 | |
| | | *For Vinlyester Resin, Add* | *3,114.13* | |
| | | *For Epoxy Resin, Add* | *367.02* | |
| | | *For Up To >10, Add* | *2,937.69* | |
| | | *For >10 To 25, Add* | *1,706.61* | |
| | | *For >25 To 50, Add* | *1,246.41* | |
| | | *For >50 To 100, Add* | *623.20* | |
| | | *For >500 To 1,000, Deduct* | *-240.27* | |
| | | *For >1,000 To 2,000, Deduct* | *-363.38* | |
| | | *For >2,000 To 5,000, Deduct* | *-593.29* | |
| | | *For >5,000, Deduct* | *-984.86* | |

## 33 01 30 72-0276 37.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0277 | LF | 37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,302.16 | |
| | | *For Vinlyester Resin, Add* | *868.13* | |
| | | *For Epoxy Resin, Add* | *102.31* | |
| | | *For Up To >10, Add* | *806.03* | |
| | | *For >10 To 25, Add* | *465.00* | |
| | | *For >25 To 50, Add* | *341.01* | |
| | | *For >50 To 100, Add* | *170.50* | |
| | | *For >500 To 1,000, Deduct* | *-66.66* | |
| | | *For >1,000 To 2,000, Deduct* | *-100.76* | |
| | | *For >2,000 To 5,000, Deduct* | *-164.32* | |
| | | *For >5,000, Deduct* | *-272.83* | |
| 33 01 30 72-0278 | LF | 37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,576.06 | |
| | | *For Vinlyester Resin, Add* | *1,050.74* | |
| | | *For Epoxy Resin, Add* | *123.84* | |
| | | *For Up To >10, Add* | *975.56* | |
| | | *For >10 To 25, Add* | *562.79* | |
| | | *For >25 To 50, Add* | *412.73* | |
| | | *For >50 To 100, Add* | *206.36* | |
| | | *For >500 To 1,000, Deduct* | *-80.68* | |
| | | *For >1,000 To 2,000, Deduct* | *-121.96* | |
| | | *For >2,000 To 5,000, Deduct* | *-198.88* | |
| | | *For >5,000, Deduct* | *-330.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0279 | LF | 37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,849.96 | |
| | | *For Vinlyester Resin, Add* | *1,233.35* | |
| | | *For Epoxy Resin, Add* | *145.36* | |
| | | *For Up To >10, Add* | *1,145.06* | |
| | | *For >10 To 25, Add* | *660.56* | |
| | | *For >25 To 50, Add* | *484.43* | |
| | | *For >50 To 100, Add* | *242.22* | |
| | | *For >500 To 1,000, Deduct* | *-94.70* | |
| | | *For >1,000 To 2,000, Deduct* | *-143.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-233.44* | |
| | | *For >5,000, Deduct* | *-387.60* | |
| 33 01 30 72-0280 | LF | 37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,123.85 | |
| | | *For Vinlyester Resin, Add* | *1,415.96* | |
| | | *For Epoxy Resin, Add* | *166.88* | |
| | | *For Up To >10, Add* | *1,314.55* | |
| | | *For >10 To 25, Add* | *758.33* | |
| | | *For >25 To 50, Add* | *556.14* | |
| | | *For >50 To 100, Add* | *278.07* | |
| | | *For >500 To 1,000, Deduct* | *-108.72* | |
| | | *For >1,000 To 2,000, Deduct* | *-164.34* | |
| | | *For >2,000 To 5,000, Deduct* | *-268.00* | |
| | | *For >5,000, Deduct* | *-444.98* | |
| 33 01 30 72-0281 | LF | 37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,397.75 | |
| | | *For Vinlyester Resin, Add* | *1,598.58* | |
| | | *For Epoxy Resin, Add* | *188.40* | |
| | | *For Up To >10, Add* | *1,484.05* | |
| | | *For >10 To 25, Add* | *856.10* | |
| | | *For >25 To 50, Add* | *627.84* | |
| | | *For >50 To 100, Add* | *313.92* | |
| | | *For >500 To 1,000, Deduct* | *-122.74* | |
| | | *For >1,000 To 2,000, Deduct* | *-185.53* | |
| | | *For >2,000 To 5,000, Deduct* | *-302.56* | |
| | | *For >5,000, Deduct* | *-502.36* | |
| 33 01 30 72-0282 | LF | 37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,671.64 | |
| | | *For Vinlyester Resin, Add* | *1,781.19* | |
| | | *For Epoxy Resin, Add* | *209.93* | |
| | | *For Up To >10, Add* | *1,653.55* | |
| | | *For >10 To 25, Add* | *953.86* | |
| | | *For >25 To 50, Add* | *699.55* | |
| | | *For >50 To 100, Add* | *349.77* | |
| | | *For >500 To 1,000, Deduct* | *-136.76* | |
| | | *For >1,000 To 2,000, Deduct* | *-206.73* | |
| | | *For >2,000 To 5,000, Deduct* | *-337.12* | |
| | | *For >5,000, Deduct* | *-559.75* | |
| 33 01 30 72-0283 | LF | 37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,952.59 | |
| | | *For Vinlyester Resin, Add* | *1,963.79* | |
| | | *For Epoxy Resin, Add* | *231.45* | |
| | | *For Up To >10, Add* | *1,844.22* | |
| | | *For >10 To 25, Add* | *1,069.28* | |
| | | *For >25 To 50, Add* | *781.84* | |
| | | *For >50 To 100, Add* | *390.92* | |
| | | *For >500 To 1,000, Deduct* | *-151.31* | |
| | | *For >1,000 To 2,000, Deduct* | *-228.80* | |
| | | *For >2,000 To 5,000, Deduct* | *-373.44* | |
| | | *For >5,000, Deduct* | *-619.95* | |
| 33 01 30 72-0284 | LF | 37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,227.15 | |
| | | *For Vinlyester Resin, Add* | *2,146.40* | |
| | | *For Epoxy Resin, Add* | *252.97* | |
| | | *For Up To >10, Add* | *2,015.73* | |
| | | *For >10 To 25, Add* | *1,168.72* | |
| | | *For >25 To 50, Add* | *854.55* | |
| | | *For >50 To 100, Add* | *427.27* | |
| | | *For >500 To 1,000, Deduct* | *-165.38* | |
| | | *For >1,000 To 2,000, Deduct* | *-250.08* | |
| | | *For >2,000 To 5,000, Deduct* | *-408.17* | |
| | | *For >5,000, Deduct* | *-677.60* | |
| 33 01 30 72-0285 | LF | 37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,499.43 | |
| | | *For Vinlyester Resin, Add* | *2,329.02* | |
| | | *For Epoxy Resin, Add* | *274.49* | |
| | | *For Up To >10, Add* | *2,180.37* | |
| | | *For >10 To 25, Add* | *1,262.44* | |
| | | *For >25 To 50, Add* | *923.82* | |
| | | *For >50 To 100, Add* | *461.91* | |
| | | *For >500 To 1,000, Deduct* | *-179.28* | |
| | | *For >1,000 To 2,000, Deduct* | *-271.07* | |
| | | *For >2,000 To 5,000, Deduct* | *-442.33* | |
| | | *For >5,000, Deduct* | *-734.34* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0286 | LF | 37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,776.31 | |
| | | *For Vinlyester Resin, Add* | *2,511.64* | |
| | | *For Epoxy Resin, Add* | *296.01* | |
| | | *For Up To >10, Add* | *2,358.81* | |
| | | *For >10 To 25, Add* | *1,367.66* | |
| | | *For >25 To 50, Add* | *1,000.00* | |
| | | *For >50 To 100, Add* | *500.00* | |
| | | *For >500 To 1,000, Deduct* | *-193.52* | |
| | | *For >1,000 To 2,000, Deduct* | *-292.64* | |
| | | *For >2,000 To 5,000, Deduct* | *-477.63* | |
| | | *For >5,000, Deduct* | *-792.91* | |
| 33 01 30 72-0287 | LF | 37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,050.89 | |
| | | *For Vinlyester Resin, Add* | *2,694.24* | |
| | | *For Epoxy Resin, Add* | *317.54* | |
| | | *For Up To >10, Add* | *2,530.37* | |
| | | *For >10 To 25, Add* | *1,467.16* | |
| | | *For >25 To 50, Add* | *1,072.74* | |
| | | *For >50 To 100, Add* | *536.37* | |
| | | *For >500 To 1,000, Deduct* | *-207.59* | |
| | | *For >1,000 To 2,000, Deduct* | *-313.92* | |
| | | *For >2,000 To 5,000, Deduct* | *-512.36* | |
| | | *For >5,000, Deduct* | *-850.57* | |
| 33 01 30 72-0288 | LF | 37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,325.32 | |
| | | *For Vinlyester Resin, Add* | *2,876.85* | |
| | | *For Epoxy Resin, Add* | *339.06* | |
| | | *For Up To >10, Add* | *2,701.49* | |
| | | *For >10 To 25, Add* | *1,566.27* | |
| | | *For >25 To 50, Add* | *1,145.25* | |
| | | *For >50 To 100, Add* | *572.63* | |
| | | *For >500 To 1,000, Deduct* | *-221.65* | |
| | | *For >1,000 To 2,000, Deduct* | *-335.18* | |
| | | *For >2,000 To 5,000, Deduct* | *-547.06* | |
| | | *For >5,000, Deduct* | *-908.17* | |
| 33 01 30 72-0289 | LF | 37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,599.89 | |
| | | *For Vinlyester Resin, Add* | *3,059.47* | |
| | | *For Epoxy Resin, Add* | *360.58* | |
| | | *For Up To >10, Add* | *2,873.00* | |
| | | *For >10 To 25, Add* | *1,665.72* | |
| | | *For >25 To 50, Add* | *1,217.96* | |
| | | *For >50 To 100, Add* | *608.98* | |
| | | *For >500 To 1,000, Deduct* | *-235.73* | |
| | | *For >1,000 To 2,000, Deduct* | *-356.45* | |
| | | *For >2,000 To 5,000, Deduct* | *-581.79* | |
| | | *For >5,000, Deduct* | *-965.82* | |
| 33 01 30 72-0290 | LF | 37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,874.46 | |
| | | *For Vinlyester Resin, Add* | *3,242.08* | |
| | | *For Epoxy Resin, Add* | *382.10* | |
| | | *For Up To >10, Add* | *3,044.53* | |
| | | *For >10 To 25, Add* | *1,765.19* | |
| | | *For >25 To 50, Add* | *1,290.69* | |
| | | *For >50 To 100, Add* | *645.34* | |
| | | *For >500 To 1,000, Deduct* | *-249.80* | |
| | | *For >1,000 To 2,000, Deduct* | *-377.73* | |
| | | *For >2,000 To 5,000, Deduct* | *-616.51* | |
| | | *For >5,000, Deduct* | *-1,023.48* | |

## 33 01 30 72-0291 39mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0292 | LF | 39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,634.92 | |
| | | *For Vinlyester Resin, Add* | *1,090.89* | |
| | | *For Epoxy Resin, Add* | *128.57* | |
| | | *For Up To >10, Add* | *1,008.71* | |
| | | *For >10 To 25, Add* | *580.86* | |
| | | *For >25 To 50, Add* | *426.43* | |
| | | *For >50 To 100, Add* | *213.22* | |
| | | *For >500 To 1,000, Deduct* | *-83.66* | |
| | | *For >1,000 To 2,000, Deduct* | *-126.44* | |
| | | *For >2,000 To 5,000, Deduct* | *-206.14* | |
| | | *For >5,000, Deduct* | *-342.28* | |
| 33 01 30 72-0293 | LF | 39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,919.52 | |
| | | *For Vinlyester Resin, Add* | *1,280.81* | |
| | | *For Epoxy Resin, Add* | *150.95* | |
| | | *For Up To >10, Add* | *1,184.24* | |
| | | *For >10 To 25, Add* | *681.91* | |
| | | *For >25 To 50, Add* | *500.63* | |
| | | *For >50 To 100, Add* | *250.32* | |
| | | *For >500 To 1,000, Deduct* | *-98.22* | |
| | | *For >1,000 To 2,000, Deduct* | *-148.45* | |
| | | *For >2,000 To 5,000, Deduct* | *-242.02* | |
| | | *For >5,000, Deduct* | *-401.86* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0294 | LF | 39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,204.14 | |
| | | *For Vinlyester Resin, Add* | *1,470.74* | |
| | | *For Epoxy Resin, Add* | *173.34* | |
| | | *For Up To >10, Add* | *1,359.80* | |
| | | *For >10 To 25, Add* | *782.99* | |
| | | *For >25 To 50, Add* | *574.85* | |
| | | *For >50 To 100, Add* | *287.42* | |
| | | *For >500 To 1,000, Deduct* | *-112.78* | |
| | | *For >1,000 To 2,000, Deduct* | *-170.47* | |
| | | *For >2,000 To 5,000, Deduct* | *-277.90* | |
| | | *For >5,000, Deduct* | *-461.45* | |
| 33 01 30 72-0295 | LF | 39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,488.73 | |
| | | *For Vinlyester Resin, Add* | *1,660.65* | |
| | | *For Epoxy Resin, Add* | *195.72* | |
| | | *For Up To >10, Add* | *1,535.32* | |
| | | *For >10 To 25, Add* | *884.04* | |
| | | *For >25 To 50, Add* | *649.04* | |
| | | *For >50 To 100, Add* | *324.52* | |
| | | *For >500 To 1,000, Deduct* | *-127.35* | |
| | | *For >1,000 To 2,000, Deduct* | *-192.47* | |
| | | *For >2,000 To 5,000, Deduct* | *-313.78* | |
| | | *For >5,000, Deduct* | *-521.02* | |
| 33 01 30 72-0296 | LF | 39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,773.46 | |
| | | *For Vinlyester Resin, Add* | *1,850.56* | |
| | | *For Epoxy Resin, Add* | *218.10* | |
| | | *For Up To >10, Add* | *1,711.23* | |
| | | *For >10 To 25, Add* | *985.42* | |
| | | *For >25 To 50, Add* | *723.43* | |
| | | *For >50 To 100, Add* | *361.72* | |
| | | *For >500 To 1,000, Deduct* | *-141.92* | |
| | | *For >1,000 To 2,000, Deduct* | *-214.50* | |
| | | *For >2,000 To 5,000, Deduct* | *-349.69* | |
| | | *For >5,000, Deduct* | *-580.65* | |
| 33 01 30 72-0297 | LF | 39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,065.12 | |
| | | *For Vinlyester Resin, Add* | *2,040.48* | |
| | | *For Epoxy Resin, Add* | *240.49* | |
| | | *For Up To >10, Add* | *1,907.94* | |
| | | *For >10 To 25, Add* | *1,104.12* | |
| | | *For >25 To 50, Add* | *808.22* | |
| | | *For >50 To 100, Add* | *404.11* | |
| | | *For >500 To 1,000, Deduct* | *-157.01* | |
| | | *For >1,000 To 2,000, Deduct* | *-237.39* | |
| | | *For >2,000 To 5,000, Deduct* | *-387.33* | |
| | | *For >5,000, Deduct* | *-643.05* | |
| 33 01 30 72-0298 | LF | 39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,350.40 | |
| | | *For Vinlyester Resin, Add* | *2,230.40* | |
| | | *For Epoxy Resin, Add* | *262.87* | |
| | | *For Up To >10, Add* | *2,085.50* | |
| | | *For >10 To 25, Add* | *1,206.87* | |
| | | *For >25 To 50, Add* | *883.44* | |
| | | *For >50 To 100, Add* | *441.72* | |
| | | *For >500 To 1,000, Deduct* | *-171.62* | |
| | | *For >1,000 To 2,000, Deduct* | *-259.49* | |
| | | *For >2,000 To 5,000, Deduct* | *-423.38* | |
| | | *For >5,000, Deduct* | *-702.90* | |
| 33 01 30 72-0299 | LF | 39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,635.68 | |
| | | *For Vinlyester Resin, Add* | *2,420.31* | |
| | | *For Epoxy Resin, Add* | *285.25* | |
| | | *For Up To >10, Add* | *2,263.07* | |
| | | *For >10 To 25, Add* | *1,309.62* | |
| | | *For >25 To 50, Add* | *958.65* | |
| | | *For >50 To 100, Add* | *479.33* | |
| | | *For >500 To 1,000, Deduct* | *-186.24* | |
| | | *For >1,000 To 2,000, Deduct* | *-281.58* | |
| | | *For >2,000 To 5,000, Deduct* | *-459.43* | |
| | | *For >5,000, Deduct* | *-762.75* | |
| 33 01 30 72-0300 | LF | 39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,921.10 | |
| | | *For Vinlyester Resin, Add* | *2,610.23* | |
| | | *For Epoxy Resin, Add* | *307.63* | |
| | | *For Up To >10, Add* | *2,441.05* | |
| | | *For >10 To 25, Add* | *1,412.73* | |
| | | *For >25 To 50, Add* | *1,034.08* | |
| | | *For >50 To 100, Add* | *517.04* | |
| | | *For >500 To 1,000, Deduct* | *-200.86* | |
| | | *For >1,000 To 2,000, Deduct* | *-303.69* | |
| | | *For >2,000 To 5,000, Deduct* | *-495.52* | |
| | | *For >5,000, Deduct* | *-822.66* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0301 | LF | 39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,206.37 | |
| | | *For Vinlyester Resin, Add* | *2,800.15* | |
| | | *For Epoxy Resin, Add* | *330.02* | |
| | | *For Up To >10, Add* | *2,618.59* | |
| | | *For >10 To 25, Add* | *1,515.45* | |
| | | *For >25 To 50, Add* | *1,109.28* | |
| | | *For >50 To 100, Add* | *554.64* | |
| | | *For >500 To 1,000, Deduct* | *-215.47* | |
| | | *For >1,000 To 2,000, Deduct* | *-325.79* | |
| | | *For >2,000 To 5,000, Deduct* | *-531.57* | |
| | | *For >5,000, Deduct* | *-882.51* | |
| 33 01 30 72-0302 | LF | 39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,491.66 | |
| | | *For Vinlyester Resin, Add* | *2,990.06* | |
| | | *For Epoxy Resin, Add* | *352.40* | |
| | | *For Up To >10, Add* | *2,796.18* | |
| | | *For >10 To 25, Add* | *1,618.23* | |
| | | *For >25 To 50, Add* | *1,184.51* | |
| | | *For >50 To 100, Add* | *592.26* | |
| | | *For >500 To 1,000, Deduct* | *-230.09* | |
| | | *For >1,000 To 2,000, Deduct* | *-347.88* | |
| | | *For >2,000 To 5,000, Deduct* | *-567.62* | |
| | | *For >5,000, Deduct* | *-942.36* | |
| 33 01 30 72-0303 | LF | 39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,776.93 | |
| | | *For Vinlyester Resin, Add* | *3,179.97* | |
| | | *For Epoxy Resin, Add* | *374.78* | |
| | | *For Up To >10, Add* | *2,973.74* | |
| | | *For >10 To 25, Add* | *1,720.98* | |
| | | *For >25 To 50, Add* | *1,259.73* | |
| | | *For >50 To 100, Add* | *629.86* | |
| | | *For >500 To 1,000, Deduct* | *-244.70* | |
| | | *For >1,000 To 2,000, Deduct* | *-369.98* | |
| | | *For >2,000 To 5,000, Deduct* | *-603.67* | |
| | | *For >5,000, Deduct* | *-1,002.21* | |
| 33 01 30 72-0304 | LF | 39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 5,062.21 | |
| | | *For Vinlyester Resin, Add* | *3,369.89* | |
| | | *For Epoxy Resin, Add* | *397.17* | |
| | | *For Up To >10, Add* | *3,151.31* | |
| | | *For >10 To 25, Add* | *1,823.73* | |
| | | *For >25 To 50, Add* | *1,334.95* | |
| | | *For >50 To 100, Add* | *667.47* | |
| | | *For >500 To 1,000, Deduct* | *-259.31* | |
| | | *For >1,000 To 2,000, Deduct* | *-392.07* | |
| | | *For >2,000 To 5,000, Deduct* | *-639.72* | |
| | | *For >5,000, Deduct* | *-1,062.06* | |
| 33 01 30 72-0305 | LF | 39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 5,347.49 | |
| | | *For Vinlyester Resin, Add* | *3,559.81* | |
| | | *For Epoxy Resin, Add* | *419.55* | |
| | | *For Up To >10, Add* | *3,328.87* | |
| | | *For >10 To 25, Add* | *1,926.49* | |
| | | *For >25 To 50, Add* | *1,410.16* | |
| | | *For >50 To 100, Add* | *705.08* | |
| | | *For >500 To 1,000, Deduct* | *-273.93* | |
| | | *For >1,000 To 2,000, Deduct* | *-414.16* | |
| | | *For >2,000 To 5,000, Deduct* | *-675.77* | |
| | | *For >5,000, Deduct* | *-1,121.91* | |
| 33 01 30 72-0306 | LF | 39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 5,632.77 | |
| | | *For Vinlyester Resin, Add* | *3,749.73* | |
| | | *For Epoxy Resin, Add* | *441.93* | |
| | | *For Up To >10, Add* | *3,506.44* | |
| | | *For >10 To 25, Add* | *2,029.24* | |
| | | *For >25 To 50, Add* | *1,485.38* | |
| | | *For >50 To 100, Add* | *742.69* | |
| | | *For >500 To 1,000, Deduct* | *-288.54* | |
| | | *For >1,000 To 2,000, Deduct* | *-436.26* | |
| | | *For >2,000 To 5,000, Deduct* | *-711.82* | |
| | | *For >5,000, Deduct* | *-1,181.76* | |

## 33 01 30 72-0307 40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0308 | LF | 40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 1,988.76 | |
| | | *For Vinlyester Resin, Add* | *1,328.14* | |
| | | *For Epoxy Resin, Add* | *156.53* | |
| | | *For Up To >10, Add* | *1,222.93* | |
| | | *For >10 To 25, Add* | *702.89* | |
| | | *For >25 To 50, Add* | *516.60* | |
| | | *For >50 To 100, Add* | *258.30* | |
| | | *For >500 To 1,000, Deduct* | *-101.72* | |
| | | *For >1,000 To 2,000, Deduct* | *-153.73* | |
| | | *For >2,000 To 5,000, Deduct* | *-250.54* | |
| | | *For >5,000, Deduct* | *-416.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0309 | LF | 40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,284.06 | |
| | | *For Vinlyester Resin, Add* | *1,525.36* | |
| | | *For Epoxy Resin, Add* | *179.77* | |
| | | *For Up To >10, Add* | *1,404.48* | |
| | | *For >10 To 25, Add* | *807.22* | |
| | | *For >25 To 50, Add* | *593.29* | |
| | | *For >50 To 100, Add* | *296.64* | |
| | | *For >500 To 1,000, Deduct* | *-116.83* | |
| | | *For >1,000 To 2,000, Deduct* | *-176.55* | |
| | | *For >2,000 To 5,000, Deduct* | *-287.73* | |
| | | *For >5,000, Deduct* | *-477.81* | |
| 33 01 30 72-0310 | LF | 40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,579.38 | |
| | | *For Vinlyester Resin, Add* | *1,722.58* | |
| | | *For Epoxy Resin, Add* | *203.02* | |
| | | *For Up To >10, Add* | *1,586.07* | |
| | | *For >10 To 25, Add* | *911.58* | |
| | | *For >25 To 50, Add* | *669.99* | |
| | | *For >50 To 100, Add* | *335.00* | |
| | | *For >500 To 1,000, Deduct* | *-131.93* | |
| | | *For >1,000 To 2,000, Deduct* | *-199.38* | |
| | | *For >2,000 To 5,000, Deduct* | *-324.94* | |
| | | *For >5,000, Deduct* | *-539.59* | |
| 33 01 30 72-0311 | LF | 40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,874.68 | |
| | | *For Vinlyester Resin, Add* | *1,919.80* | |
| | | *For Epoxy Resin, Add* | *226.26* | |
| | | *For Up To >10, Add* | *1,767.62* | |
| | | *For >10 To 25, Add* | *1,015.92* | |
| | | *For >25 To 50, Add* | *746.68* | |
| | | *For >50 To 100, Add* | *373.34* | |
| | | *For >500 To 1,000, Deduct* | *-147.04* | |
| | | *For >1,000 To 2,000, Deduct* | *-222.21* | |
| | | *For >2,000 To 5,000, Deduct* | *-362.14* | |
| | | *For >5,000, Deduct* | *-601.36* | |
| 33 01 30 72-0312 | LF | 40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,177.31 | |
| | | *For Vinlyester Resin, Add* | *2,117.02* | |
| | | *For Epoxy Resin, Add* | *249.51* | |
| | | *For Up To >10, Add* | *1,971.16* | |
| | | *For >10 To 25, Add* | *1,138.58* | |
| | | *For >25 To 50, Add* | *834.36* | |
| | | *For >50 To 100, Add* | *417.18* | |
| | | *For >500 To 1,000, Deduct* | *-162.69* | |
| | | *For >1,000 To 2,000, Deduct* | *-245.95* | |
| | | *For >2,000 To 5,000, Deduct* | *-401.17* | |
| | | *For >5,000, Deduct* | *-666.06* | |
| 33 01 30 72-0313 | LF | 40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,473.29 | |
| | | *For Vinlyester Resin, Add* | *2,314.24* | |
| | | *For Epoxy Resin, Add* | *272.75* | |
| | | *For Up To >10, Add* | *2,154.75* | |
| | | *For >10 To 25, Add* | *1,244.61* | |
| | | *For >25 To 50, Add* | *912.07* | |
| | | *For >50 To 100, Add* | *456.04* | |
| | | *For >500 To 1,000, Deduct* | *-177.85* | |
| | | *For >1,000 To 2,000, Deduct* | *-268.86* | |
| | | *For >2,000 To 5,000, Deduct* | *-438.54* | |
| | | *For >5,000, Deduct* | *-728.11* | |
| 33 01 30 72-0314 | LF | 40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,769.28 | |
| | | *For Vinlyester Resin, Add* | *2,511.46* | |
| | | *For Epoxy Resin, Add* | *295.99* | |
| | | *For Up To >10, Add* | *2,338.34* | |
| | | *For >10 To 25, Add* | *1,350.65* | |
| | | *For >25 To 50, Add* | *989.78* | |
| | | *For >50 To 100, Add* | *494.89* | |
| | | *For >500 To 1,000, Deduct* | *-193.00* | |
| | | *For >1,000 To 2,000, Deduct* | *-291.77* | |
| | | *For >2,000 To 5,000, Deduct* | *-475.91* | |
| | | *For >5,000, Deduct* | *-790.15* | |
| 33 01 30 72-0315 | LF | 40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,065.26 | |
| | | *For Vinlyester Resin, Add* | *2,708.68* | |
| | | *For Epoxy Resin, Add* | *319.24* | |
| | | *For Up To >10, Add* | *2,521.93* | |
| | | *For >10 To 25, Add* | *1,456.69* | |
| | | *For >25 To 50, Add* | *1,067.49* | |
| | | *For >50 To 100, Add* | *533.74* | |
| | | *For >500 To 1,000, Deduct* | *-208.16* | |
| | | *For >1,000 To 2,000, Deduct* | *-314.68* | |
| | | *For >2,000 To 5,000, Deduct* | *-513.27* | |
| | | *For >5,000, Deduct* | *-852.20* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0316 | LF | 40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,361.26 | |
| | | *For Vinlyester Resin, Add* | *2,905.90* | |
| | | *For Epoxy Resin, Add* | *342.48* | |
| | | *For Up To >10, Add* | *2,705.56* | |
| | | *For >10 To 25, Add* | *1,562.75* | |
| | | *For >25 To 50, Add* | *1,145.21* | |
| | | *For >50 To 100, Add* | *572.61* | |
| | | *For >500 To 1,000, Deduct* | *-223.31* | |
| | | *For >1,000 To 2,000, Deduct* | *-337.59* | |
| | | *For >2,000 To 5,000, Deduct* | *-550.65* | |
| | | *For >5,000, Deduct* | *-914.25* | |
| 33 01 30 72-0317 | LF | 40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,657.24 | |
| | | *For Vinlyester Resin, Add* | *3,103.12* | |
| | | *For Epoxy Resin, Add* | *365.72* | |
| | | *For Up To >10, Add* | *2,889.15* | |
| | | *For >10 To 25, Add* | *1,668.78* | |
| | | *For >25 To 50, Add* | *1,222.92* | |
| | | *For >50 To 100, Add* | *611.46* | |
| | | *For >500 To 1,000, Deduct* | *-238.47* | |
| | | *For >1,000 To 2,000, Deduct* | *-360.50* | |
| | | *For >2,000 To 5,000, Deduct* | *-588.02* | |
| | | *For >5,000, Deduct* | *-976.29* | |
| 33 01 30 72-0318 | LF | 40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,953.22 | |
| | | *For Vinlyester Resin, Add* | *3,300.34* | |
| | | *For Epoxy Resin, Add* | *388.97* | |
| | | *For Up To >10, Add* | *3,072.74* | |
| | | *For >10 To 25, Add* | *1,774.82* | |
| | | *For >25 To 50, Add* | *1,300.63* | |
| | | *For >50 To 100, Add* | *650.31* | |
| | | *For >500 To 1,000, Deduct* | *-253.62* | |
| | | *For >1,000 To 2,000, Deduct* | *-383.41* | |
| | | *For >2,000 To 5,000, Deduct* | *-625.38* | |
| | | *For >5,000, Deduct* | *-1,038.33* | |
| 33 01 30 72-0319 | LF | 40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 5,249.21 | |
| | | *For Vinlyester Resin, Add* | *3,497.56* | |
| | | *For Epoxy Resin, Add* | *412.21* | |
| | | *For Up To >10, Add* | *3,256.33* | |
| | | *For >10 To 25, Add* | *1,880.86* | |
| | | *For >25 To 50, Add* | *1,378.34* | |
| | | *For >50 To 100, Add* | *689.17* | |
| | | *For >500 To 1,000, Deduct* | *-268.78* | |
| | | *For >1,000 To 2,000, Deduct* | *-406.33* | |
| | | *For >2,000 To 5,000, Deduct* | *-662.75* | |
| | | *For >5,000, Deduct* | *-1,100.38* | |
| 33 01 30 72-0320 | LF | 40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 5,545.20 | |
| | | *For Vinlyester Resin, Add* | *3,694.78* | |
| | | *For Epoxy Resin, Add* | *435.46* | |
| | | *For Up To >10, Add* | *3,439.95* | |
| | | *For >10 To 25, Add* | *1,986.92* | |
| | | *For >25 To 50, Add* | *1,456.06* | |
| | | *For >50 To 100, Add* | *728.03* | |
| | | *For >500 To 1,000, Deduct* | *-283.93* | |
| | | *For >1,000 To 2,000, Deduct* | *-429.24* | |
| | | *For >2,000 To 5,000, Deduct* | *-700.13* | |
| | | *For >5,000, Deduct* | *-1,162.43* | |
| 33 01 30 72-0321 | LF | 40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 5,841.19 | |
| | | *For Vinlyester Resin, Add* | *3,892.01* | |
| | | *For Epoxy Resin, Add* | *458.70* | |
| | | *For Up To >10, Add* | *3,623.55* | |
| | | *For >10 To 25, Add* | *2,092.95* | |
| | | *For >25 To 50, Add* | *1,533.77* | |
| | | *For >50 To 100, Add* | *766.89* | |
| | | *For >500 To 1,000, Deduct* | *-299.09* | |
| | | *For >1,000 To 2,000, Deduct* | *-452.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-737.50* | |
| | | *For >5,000, Deduct* | *-1,224.47* | |

## 33 01 30 72-0322 42mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 72-0323 | LF | 42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,363.65 | |
| | | *For Vinlyester Resin, Add* | *1,579.84* | |
| | | *For Epoxy Resin, Add* | *186.20* | |
| | | *For Up To >10, Add* | *1,448.68* | |
| | | *For >10 To 25, Add* | *831.08* | |
| | | *For >25 To 50, Add* | *611.49* | |
| | | *For >50 To 100, Add* | *305.75* | |
| | | *For >500 To 1,000, Deduct* | *-120.85* | |
| | | *For >1,000 To 2,000, Deduct* | *-182.61* | |
| | | *For >2,000 To 5,000, Deduct* | *-297.51* | |
| | | *For >5,000, Deduct* | *-494.08* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0324 | LF | 42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,669.67 | |
| | | *For Vinlyester Resin, Add* | *1,784.36* | |
| | | *For Epoxy Resin, Add* | *210.30* | |
| | | *For Up To >10, Add* | *1,636.29* | |
| | | *For >10 To 25, Add* | *938.72* | |
| | | *For >25 To 50, Add* | *690.69* | |
| | | *For >50 To 100, Add* | *345.34* | |
| | | *For >500 To 1,000, Deduct* | *-136.50* | |
| | | *For >1,000 To 2,000, Deduct* | *-206.25* | |
| | | *For >2,000 To 5,000, Deduct* | *-336.04* | |
| | | *For >5,000, Deduct* | *-558.05* | |
| 33 01 30 72-0325 | LF | 42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 2,975.68 | |
| | | *For Vinlyester Resin, Add* | *1,988.89* | |
| | | *For Epoxy Resin, Add* | *234.40* | |
| | | *For Up To >10, Add* | *1,823.87* | |
| | | *For >10 To 25, Add* | *1,046.34* | |
| | | *For >25 To 50, Add* | *769.87* | |
| | | *For >50 To 100, Add* | *384.93* | |
| | | *For >500 To 1,000, Deduct* | *-152.14* | |
| | | *For >1,000 To 2,000, Deduct* | *-229.90* | |
| | | *For >2,000 To 5,000, Deduct* | *-374.55* | |
| | | *For >5,000, Deduct* | *-622.02* | |
| 33 01 30 72-0326 | LF | 42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,289.15 | |
| | | *For Vinlyester Resin, Add* | *2,193.41* | |
| | | *For Epoxy Resin, Add* | *258.51* | |
| | | *For Up To >10, Add* | *2,033.85* | |
| | | *For >10 To 25, Add* | *1,172.64* | |
| | | *For >25 To 50, Add* | *860.25* | |
| | | *For >50 To 100, Add* | *430.13* | |
| | | *For >500 To 1,000, Deduct* | *-168.35* | |
| | | *For >1,000 To 2,000, Deduct* | *-254.47* | |
| | | *For >2,000 To 5,000, Deduct* | *-414.94* | |
| | | *For >5,000, Deduct* | *-688.97* | |
| 33 01 30 72-0327 | LF | 42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,595.86 | |
| | | *For Vinlyester Resin, Add* | *2,397.94* | |
| | | *For Epoxy Resin, Add* | *282.61* | |
| | | *For Up To >10, Add* | *2,223.51* | |
| | | *For >10 To 25, Add* | *1,281.98* | |
| | | *For >25 To 50, Add* | *940.47* | |
| | | *For >50 To 100, Add* | *470.24* | |
| | | *For >500 To 1,000, Deduct* | *-184.05* | |
| | | *For >1,000 To 2,000, Deduct* | *-278.20* | |
| | | *For >2,000 To 5,000, Deduct* | *-453.63* | |
| | | *For >5,000, Deduct* | *-753.22* | |
| 33 01 30 72-0328 | LF | 42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 3,902.54 | |
| | | *For Vinlyester Resin, Add* | *2,602.46* | |
| | | *For Epoxy Resin, Add* | *306.72* | |
| | | *For Up To >10, Add* | *2,413.12* | |
| | | *For >10 To 25, Add* | *1,391.30* | |
| | | *For >25 To 50, Add* | *1,020.67* | |
| | | *For >50 To 100, Add* | *510.34* | |
| | | *For >500 To 1,000, Deduct* | *-199.75* | |
| | | *For >1,000 To 2,000, Deduct* | *-301.93* | |
| | | *For >2,000 To 5,000, Deduct* | *-492.32* | |
| | | *For >5,000, Deduct* | *-817.46* | |
| 33 01 30 72-0329 | LF | 42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,209.23 | |
| | | *For Vinlyester Resin, Add* | *2,806.99* | |
| | | *For Epoxy Resin, Add* | *330.82* | |
| | | *For Up To >10, Add* | *2,602.74* | |
| | | *For >10 To 25, Add* | *1,500.62* | |
| | | *For >25 To 50, Add* | *1,100.87* | |
| | | *For >50 To 100, Add* | *550.44* | |
| | | *For >500 To 1,000, Deduct* | *-215.44* | |
| | | *For >1,000 To 2,000, Deduct* | *-325.65* | |
| | | *For >2,000 To 5,000, Deduct* | *-531.01* | |
| | | *For >5,000, Deduct* | *-881.70* | |
| 33 01 30 72-0330 | LF | 42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,515.92 | |
| | | *For Vinlyester Resin, Add* | *3,011.51* | |
| | | *For Epoxy Resin, Add* | *354.93* | |
| | | *For Up To >10, Add* | *2,792.36* | |
| | | *For >10 To 25, Add* | *1,609.94* | |
| | | *For >25 To 50, Add* | *1,181.07* | |
| | | *For >50 To 100, Add* | *590.54* | |
| | | *For >500 To 1,000, Deduct* | *-231.14* | |
| | | *For >1,000 To 2,000, Deduct* | *-349.38* | |
| | | *For >2,000 To 5,000, Deduct* | *-569.70* | |
| | | *For >5,000, Deduct* | *-945.94* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 72-0331 | LF | 42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 4,822.62 | |
| | | *For Vinlyester Resin, Add* | *3,216.04* | |
| | | *For Epoxy Resin, Add* | *379.03* | |
| | | *For Up To >10, Add* | *2,982.01* | |
| | | *For >10 To 25, Add* | *1,719.29* | |
| | | *For >25 To 50, Add* | *1,261.29* | |
| | | *For >50 To 100, Add* | *630.64* | |
| | | *For >500 To 1,000, Deduct* | *-246.84* | |
| | | *For >1,000 To 2,000, Deduct* | *-373.11* | |
| | | *For >2,000 To 5,000, Deduct* | *-608.39* | |
| | | *For >5,000, Deduct* | *-1,010.18* | |
| 33 01 30 72-0332 | LF | 42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 5,129.31 | |
| | | *For Vinlyester Resin, Add* | *3,420.56* | |
| | | *For Epoxy Resin, Add* | *403.14* | |
| | | *For Up To >10, Add* | *3,171.63* | |
| | | *For >10 To 25, Add* | *1,828.61* | |
| | | *For >25 To 50, Add* | *1,341.49* | |
| | | *For >50 To 100, Add* | *670.74* | |
| | | *For >500 To 1,000, Deduct* | *-262.54* | |
| | | *For >1,000 To 2,000, Deduct* | *-396.84* | |
| | | *For >2,000 To 5,000, Deduct* | *-647.08* | |
| | | *For >5,000, Deduct* | *-1,074.42* | |
| 33 01 30 72-0333 | LF | 42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 5,436.00 | |
| | | *For Vinlyester Resin, Add* | *3,625.09* | |
| | | *For Epoxy Resin, Add* | *427.24* | |
| | | *For Up To >10, Add* | *3,361.25* | |
| | | *For >10 To 25, Add* | *1,937.93* | |
| | | *For >25 To 50, Add* | *1,421.69* | |
| | | *For >50 To 100, Add* | *710.85* | |
| | | *For >500 To 1,000, Deduct* | *-278.23* | |
| | | *For >1,000 To 2,000, Deduct* | *-420.57* | |
| | | *For >2,000 To 5,000, Deduct* | *-685.77* | |
| | | *For >5,000, Deduct* | *-1,138.66* | |
| 33 01 30 72-0334 | LF | 42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 5,742.69 | |
| | | *For Vinlyester Resin, Add* | *3,829.62* | |
| | | *For Epoxy Resin, Add* | *451.35* | |
| | | *For Up To >10, Add* | *3,550.87* | |
| | | *For >10 To 25, Add* | *2,047.25* | |
| | | *For >25 To 50, Add* | *1,501.89* | |
| | | *For >50 To 100, Add* | *750.95* | |
| | | *For >500 To 1,000, Deduct* | *-293.93* | |
| | | *For >1,000 To 2,000, Deduct* | *-444.29* | |
| | | *For >2,000 To 5,000, Deduct* | *-724.46* | |
| | | *For >5,000, Deduct* | *-1,202.90* | |
| 33 01 30 72-0335 | LF | 42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) | 6,049.39 | |
| | | *For Vinlyester Resin, Add* | *4,034.14* | |
| | | *For Epoxy Resin, Add* | *475.45* | |
| | | *For Up To >10, Add* | *3,740.52* | |
| | | *For >10 To 25, Add* | *2,156.59* | |
| | | *For >25 To 50, Add* | *1,582.11* | |
| | | *For >50 To 100, Add* | *791.05* | |
| | | *For >500 To 1,000, Deduct* | *-309.63* | |
| | | *For >1,000 To 2,000, Deduct* | *-468.02* | |
| | | *For >2,000 To 5,000, Deduct* | *-763.15* | |
| | | *For >5,000, Deduct* | *-1,267.14* | |

## 33 01 30 74 Cured-in-Place Lateral Lining *(33 01 30)*

### 33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 74)*

### 33 01 30 74-0002 Lateral Reinstatement/Reconnection *(33 01 30 74-0001)*

| | | | |
|---|---|---|---|
| 33 01 30 74-0003 | EA | Cut Liner For Laterals, Up To 4" (Robotic) | 545.51 |
| 33 01 30 74-0004 | EA | Cut Liner For Laterals, 6" (Robotic) | 589.73 |
| 33 01 30 74-0005 | EA | Cut Liner For Laterals, 8" (Robotic) | 626.59 |
| 33 01 30 74-0006 | EA | Cut Liner For Laterals, 10" (Robotic) | 663.45 |
| 33 01 30 74-0007 | EA | Cut Liner For Laterals, 12" (Robotic) | 700.30 |

### 33 01 30 74-0008 Grout Lateral Service *(33 01 30 74-0001)*

### 33 01 30 74-0009 Grout Lateral Service - Bladder *(33 01 30 74-0008)*

| | | | |
|---|---|---|---|
| 33 01 30 74-0010 | EA | Grout Up To 4" Lateral Service - Bladder | 571.42 |
| 33 01 30 74-0011 | EA | Grout 6" Lateral Service - Bladder | 656.79 |
| 33 01 30 74-0012 | EA | Grout 8" Lateral Service - Bladder | 742.17 |

### 33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application *(33 01 30 74-0008)*

| | | | |
|---|---|---|---|
| 33 01 30 74-0014 | EA | Grout 3" To 6" Lateral Service - Robotic Trowel Application | 623.40 |
| 33 01 30 74-0015 | EA | Grout 8" To 12" Lateral Service - Robotic Trowel Application | 675.39 |

### 33 01 30 74-0016 Lateral T-Liner *(33 01 30 74-0001)*

Note: As manufactured by LMK.

| | | | |
|---|---|---|---|
| 33 01 30 74-0017 | EA | Up To 4" Lateral T-Liner | 783.82 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 74-0018 | EA | 6" Lateral T-Liner | 880.48 | |
| 33 01 30 74-0019 | EA | 8" Lateral T-Liner | 1,025.03 | |

### 33 01 30 74-0020 Lining Lateral Pipe *(33 01 30 74-0001)*

### 33 01 30 74-0021 Lining Lateral Pipe *(33 01 30 74-0020)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 74-0022 | LF | 6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP) | 40.59 | |
| | | *For 7.5mm, Add* | *4.56* | |
| | | *For 9 mm, Add* | *9.02* | |
| 33 01 30 74-0023 | LF | 6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP) | 48.56 | |
| | | *For 7.5mm, Add* | *6.21* | |
| | | *For 9 mm, Add* | *12.28* | |
| 33 01 30 74-0024 | LF | 6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP) | 63.50 | |
| | | *For 7.5mm, Add* | *9.51* | |
| | | *For 9 mm, Add* | *18.81* | |

### 33 01 30 74-0025 Lining Manhole Drop *(33 01 30 74-0020)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 74-0026 | EA | Manhole Drop Section Lining | 872.67 | |

## 33 01 30 79 Fold-and-Form Pipe Lining *(33 01 30)*

### 33 01 30 79-0001 Form and Fold Relining Underground Pipelines *(33 01 30 79)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

### 33 01 30 79-0002 Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion *(33 01 30 79-0001)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 79-0003 | EA | Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines | 5,425.46 | |
| 33 01 30 79-0004 | EA | Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines | 2,170.19 | |

### 33 01 30 79-0005 Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 79-0001)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 79-0006 | LF | 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 | 42.65 | |
| | | *For DR 26 Pipe Liner, Add* | *7.76* | |
| | | *For Up To 75, Add* | *23.65* | |
| | | *For > 75 To 150, Add* | *11.82* | |
| | | *For Up To 75, Add* | *23.65* | |
| | | *For >75 To 150, Add* | *11.82* | |
| | | *For >500 To 1,000, Deduct* | *-0.87* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.74* | |
| | | *For >2,000, Deduct* | *-3.49* | |
| 33 01 30 79-0007 | LF | 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 | 54.67 | |
| | | *For DR 26 Pipe Liner, Add* | *10.54* | |
| | | *For DR 35 Pipe Liner, Deduct* | *-5.27* | |
| | | *For Up To 75, Add* | *27.21* | |
| | | *For > 75 To 150, Add* | *13.61* | |
| | | *For Up To 75, Add* | *27.21* | |
| | | *For >75 To 150, Add* | *13.61* | |
| | | *For >500 To 1,000, Deduct* | *-0.94* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.88* | |
| | | *For >2,000, Deduct* | *-3.76* | |
| 33 01 30 79-0008 | LF | 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 | 56.49 | |
| | | *For DR 26 Pipe Liner, Add* | *10.73* | |
| | | *For DR 35 Pipe Liner, Deduct* | *-5.37* | |
| | | *For Up To 75, Add* | *28.93* | |
| | | *For > 75 To 150, Add* | *14.46* | |
| | | *For Up To 75, Add* | *28.93* | |
| | | *For >75 To 150, Add* | *14.46* | |
| | | *For >500 To 1,000, Deduct* | *-1.02* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.03* | |
| | | *For >2,000, Deduct* | *-4.07* | |
| 33 01 30 79-0009 | LF | 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 | 79.19 | |
| | | *For DR 26 Pipe Liner, Add* | *16.10* | |
| | | *For DR 35 Pipe Liner, Deduct* | *-8.05* | |
| | | *For DR 41 Pipe Liner, Deduct* | *-16.10* | |
| | | *For Up To 75, Add* | *35.08* | |
| | | *For > 75 To 150, Add* | *17.54* | |
| | | *For Up To 75, Add* | *35.08* | |
| | | *For >75 To 150, Add* | *17.54* | |
| | | *For >500 To 1,000, Deduct* | *-1.11* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.22* | |
| | | *For >2,000, Deduct* | *-4.44* | |
| 33 01 30 79-0010 | LF | 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 | 110.52 | |
| | | *For DR 26 Pipe Liner, Add* | *23.56* | |
| | | *For DR 35 Pipe Liner, Deduct* | *-11.78* | |
| | | *For DR 41 Pipe Liner, Deduct* | *-23.56* | |
| | | *For Up To 75, Add* | *43.27* | |
| | | *For > 75 To 150, Add* | *21.63* | |
| | | *For Up To 75, Add* | *43.27* | |
| | | *For >75 To 150, Add* | *21.63* | |
| | | *For >500 To 1,000, Deduct* | *-1.22* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.44* | |
| | | *For >2,000, Deduct* | *-4.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 79-0011 | LF | 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 | 151.18 | |
| | | *For DR 35 Pipe Liner, Deduct* | *-16.59* | |
| | | *For DR 41 Pipe Liner, Deduct* | *-33.17* | |
| | | *For Up To 75, Add* | *54.29* | |
| | | *For > 75 To 150, Add* | *27.14* | |
| | | *For Up To 75, Add* | *54.29* | |
| | | *For >75 To 150, Add* | *27.14* | |
| | | *For >500 To 1,000, Deduct* | *-1.39* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.78* | |
| | | *For >2,000, Deduct* | *-5.55* | |
| 33 01 30 79-0012 | LF | 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35 | 213.25 | |
| | | *For DR 41 Pipe Liner, Deduct* | *-19.24* | |
| | | *For DR 50 Pipe Liner, Deduct* | *-38.48* | |
| | | *For Up To 75, Add* | *69.77* | |
| | | *For > 75 To 150, Add* | *34.88* | |
| | | *For Up To 75, Add* | *69.77* | |
| | | *For >75 To 150, Add* | *34.88* | |
| | | *For >500 To 1,000, Deduct* | *-1.56* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.13* | |
| | | *For >2,000, Deduct* | *-6.26* | |
| 33 01 30 79-0013 | LF | 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47 | 241.15 | |
| | | *For DR 50 Pipe Liner, Deduct* | *-32.78* | |
| | | *For DR 55 Pipe Liner, Deduct* | *-54.64* | |
| | | *For Up To 75, Add* | *77.62* | |
| | | *For > 75 To 150, Add* | *38.81* | |
| | | *For Up To 75, Add* | *77.62* | |
| | | *For >75 To 150, Add* | *38.81* | |
| | | *For >500 To 1,000, Deduct* | *-1.70* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.39* | |
| | | *For >2,000, Deduct* | *-6.78* | |
| 33 01 30 79-0014 | LF | 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55 | 293.94 | |
| | | *For DR 60 Pipe Liner, Deduct* | *-40.39* | |
| | | *For Up To 75, Add* | *90.86* | |
| | | *For > 75 To 150, Add* | *45.43* | |
| | | *For Up To 75, Add* | *90.86* | |
| | | *For >75 To 150, Add* | *45.43* | |
| | | *For >500 To 1,000, Deduct* | *-1.85* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.70* | |
| | | *For >2,000, Deduct* | *-7.40* | |

## 33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 79-0001)*

| | | | | |
|---|---|---|---|---|
| 33 01 30 79-0016 | LF | 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5 | 45.58 | |
| | | *For Up To 75, Add* | *24.24* | |
| | | *For > 75 To 150, Add* | *12.12* | |
| | | *For Up To 75, Add* | *24.24* | |
| | | *For >75 To 150, Add* | *12.12* | |
| | | *For >500 To 1,000, Deduct* | *-0.87* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.74* | |
| | | *For >2,000, Deduct* | *-3.49* | |
| | | *For DR 26 Pipe Liner, Add* | *8.49* | |
| 33 01 30 79-0017 | LF | 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5 | 54.67 | |
| | | *For Up To 75, Add* | *27.21* | |
| | | *For > 75 To 150, Add* | *13.61* | |
| | | *For Up To 75, Add* | *27.21* | |
| | | *For >75 To 150, Add* | *13.61* | |
| | | *For >500 To 1,000, Deduct* | *-0.94* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.88* | |
| | | *For >2,000, Deduct* | *-3.76* | |
| | | *For DR 26 Pipe Liner, Add* | *10.54* | |
| | | *For DR 35 Pipe Liner, Deduct* | *-5.27* | |
| 33 01 30 79-0018 | LF | 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5 | 60.39 | |
| | | *For Up To 75, Add* | *29.71* | |
| | | *For > 75 To 150, Add* | *14.85* | |
| | | *For Up To 75, Add* | *29.71* | |
| | | *For >75 To 150, Add* | *14.85* | |
| | | *For >500 To 1,000, Deduct* | *-1.02* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.03* | |
| | | *For >2,000, Deduct* | *-4.07* | |
| | | *For DR 26 Pipe Liner, Add* | *11.71* | |
| | | *For DR 35 Pipe Liner, Deduct* | *-5.85* | |
| 33 01 30 79-0019 | LF | 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5 | 85.04 | |
| | | *For Up To 75, Add* | *36.25* | |
| | | *For > 75 To 150, Add* | *18.12* | |
| | | *For Up To 75, Add* | *36.25* | |
| | | *For >75 To 150, Add* | *18.12* | |
| | | *For >500 To 1,000, Deduct* | *-1.11* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.22* | |
| | | *For >2,000, Deduct* | *-4.44* | |
| | | *For DR 26 Pipe Liner, Add* | *17.56* | |
| | | *For DR 35 Pipe Liner, Deduct* | *-8.78* | |
| | | *For DR 41 Pipe Liner, Deduct* | *-17.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 79-0020 | LF | 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5 | 119.31 | |
| | | *For Up To 75, Add* | *45.03* | |
| | | *For > 75 To 150, Add* | *22.51* | |
| | | *For Up To 75, Add* | *45.03* | |
| | | *For >75 To 150, Add* | *22.51* | |
| | | *For >500 To 1,000, Deduct* | *-1.22* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.44* | |
| | | *For >2,000, Deduct* | *-4.88* | |
| | | *For DR 26 Pipe Liner, Add* | *25.76* | |
| | | *For DR 35 Pipe Liner, Deduct* | *-12.88* | |
| | | *For DR 41 Pipe Liner, Deduct* | *-25.76* | |
| 33 01 30 79-0021 | LF | 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5 | 163.67 | |
| | | *For Up To 75, Add* | *56.78* | |
| | | *For > 75 To 150, Add* | *28.39* | |
| | | *For Up To 75, Add* | *56.78* | |
| | | *For >75 To 150, Add* | *28.39* | |
| | | *For >500 To 1,000, Deduct* | *-1.39* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.78* | |
| | | *For >2,000, Deduct* | *-5.55* | |
| | | *For DR 35 Pipe Liner, Deduct* | *-18.15* | |
| | | *For DR 41 Pipe Liner, Deduct* | *-36.29* | |
| 33 01 30 79-0022 | LF | 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35 | 231.59 | |
| | | *For Up To 75, Add* | *73.44* | |
| | | *For > 75 To 150, Add* | *36.72* | |
| | | *For Up To 75, Add* | *73.44* | |
| | | *For >75 To 150, Add* | *36.72* | |
| | | *For >500 To 1,000, Deduct* | *-1.56* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.13* | |
| | | *For >2,000, Deduct* | *-6.26* | |
| | | *For DR 41 Pipe Liner, Deduct* | *-21.07* | |
| | | *For DR 50 Pipe Liner, Deduct* | *-42.15* | |
| 33 01 30 79-0023 | LF | 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47 | 261.44 | |
| | | *For Up To 75, Add* | *81.68* | |
| | | *For > 75 To 150, Add* | *40.84* | |
| | | *For Up To 75, Add* | *81.68* | |
| | | *For >75 To 150, Add* | *40.84* | |
| | | *For >500 To 1,000, Deduct* | *-1.70* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.39* | |
| | | *For >2,000, Deduct* | *-6.78* | |
| | | *For DR 50 Pipe Liner, Deduct* | *-35.82* | |
| | | *For DR 55 Pipe Liner, Deduct* | *-59.71* | |
| 33 01 30 79-0024 | LF | 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55 | 319.70 | |
| | | *For Up To 75, Add* | *96.01* | |
| | | *For > 75 To 150, Add* | *48.01* | |
| | | *For Up To 75, Add* | *96.01* | |
| | | *For >75 To 150, Add* | *48.01* | |
| | | *For >500 To 1,000, Deduct* | *-1.85* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.70* | |
| | | *For >2,000, Deduct* | *-7.40* | |
| | | *For DR 60 Pipe Liner, Deduct* | *-44.25* | |

## 33 01 30 81 Manhole Rehabilitation *(33 01 30)*

### 33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*

Note: Work is in confined spaces.

### 33 01 30 81-0002 Inspection And Ventilation System Set-up *(33 01 30 81-0001)*

| | | | |
|---|---|---|---|
| 33 01 30 81-0003 | EA | Inspect Manhole | 188.71 |
| 33 01 30 81-0004 | EA | 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System<br>Note: For internal inspection and repair of water mains. | 15,486.34 |
| 33 01 30 81-0005 | EA | >60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System<br>Note: For internal inspection and repair of water mains | 21,935.58 |

### 33 01 30 81-0006 Manhole Seals *(33 01 30 81-0001)*

### 33 01 30 81-0007 Internal Manhole Chimney Seals *(33 01 30 81-0006)*

Note: Cretex.

| | | | |
|---|---|---|---|
| 33 01 30 81-0008 | EA | 20" Internal Manhole Chimney Seal | 583.24 |
| 33 01 30 81-0009 | EA | 22" Internal Manhole Chimney Seal | 614.76 |
| 33 01 30 81-0010 | EA | 24" Internal Manhole Chimney Seal | 630.53 |
| 33 01 30 81-0011 | EA | 26" Internal Manhole Chimney Seal | 725.10 |
| 33 01 30 81-0012 | EA | 28" Internal Manhole Chimney Seal | 819.69 |
| 33 01 30 81-0013 | EA | 30" Internal Manhole Chimney Seal | 914.27 |
| 33 01 30 81-0014 | EA | 36" Internal Manhole Chimney Seal | 1,103.42 |

### 33 01 30 81-0015 External Manhole Encapsulation *(33 01 30 81-0006)*

Note: Wrapidseal.

| | | | |
|---|---|---|---|
| 33 01 30 81-0016 | EA | 24" External Manhole Encapsulation | 851.21 |
| 33 01 30 81-0017 | EA | 30" External Manhole Encapsulation | 898.50 |
| 33 01 30 81-0018 | EA | 36" External Manhole Encapsulation | 961.56 |
| 33 01 30 81-0019 | EA | 42" External Manhole Encapsulation | 1,040.37 |
| 33 01 30 81-0020 | EA | 48" External Manhole Encapsulation | 1,150.72 |
| 33 01 30 81-0021 | EA | 54" External Manhole Encapsulation | 1,276.81 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 81-0022 | EA | 60" External Manhole Encapsulation | 1,434.45 | |
| **33 01 30 81-0023** | | **Manhole Crack Repair** *(33 01 30 81-0001)* | | |
| | | Note: Includes removing loose materials and cleaning. | | |
| 33 01 30 81-0024 | LF | Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair | 60.60 | |
| 33 01 30 81-0025 | LF | >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair | 81.60 | |
| 33 01 30 81-0026 | LF | Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair | 57.77 | |
| 33 01 30 81-0027 | LF | >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair | 78.33 | |
| **33 01 30 81-0028** | | **Manhole Patching** *(33 01 30 81-0001)* | | |
| | | Note: Includes removing loose materials and cleaning. | | |
| 33 01 30 81-0029 | SF | Up To 1/4" Thick, Cementitious Grout, Manhole Patching | 18.10 | |
| 33 01 30 81-0030 | SF | Up To 1/4" Thick, Epoxy Grout, Manhole Patching | 41.67 | |
| **33 01 30 81-0031** | | **Manhole Joint Restoration** *(33 01 30 81-0001)* | | |
| | | Note: Includes drilling holes at joints, fill joints with grout. | | |
| 33 01 30 81-0032 | EA | 3' Diameter Joint Restoration, Grout Fill Per Each Manhole | 2,472.01 | |
| | | Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. | | |
| | | *For Grouting Each Additional Manhole Joint Section, Add* | *237.67* | |
| 33 01 30 81-0033 | EA | 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole | 2,885.76 | |
| | | Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. | | |
| | | *For Grouting Each Additional Manhole Joint Section, Add* | *264.78* | |
| 33 01 30 81-0034 | EA | 4' Diameter Joint Restoration, Grout Fill Per Each Manhole | 3,296.00 | |
| | | Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. | | |
| | | *For Grouting Each Additional Manhole Joint Section, Add* | *291.89* | |
| 33 01 30 81-0035 | EA | 5' Diameter Joint Restoration, Grout Fill Per Each Manhole | 3,918.43 | |
| | | Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. | | |
| | | *For Grouting Each Additional Manhole Joint Section, Add* | *305.45* | |
| 33 01 30 81-0036 | EA | 6' Diameter Joint Restoration, Grout Fill Per Each Manhole | 4,539.09 | |
| | | Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. | | |
| | | *For Grouting Each Additional Manhole Joint Section, Add* | *319.01* | |
| **33 01 30 81-0037** | | **Step Installation In Existing Manholes** *(33 01 30 81-0001)* | | |
| | | Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes. | | |
| 33 01 30 81-0038 | EA | Drill And Grout 8" x 9" Cast Iron Manhole Steps | 146.19 | 25.43 |
| 33 01 30 81-0039 | EA | Drill And Grout Galvanized Steel Manhole Step | 126.62 | 25.43 |
| 33 01 30 81-0040 | EA | Bolt On Galvanized Steel Manhole Step | 133.88 | 25.43 |
| 33 01 30 81-0041 | EA | Drill And Grout Aluminum Manhole Step | 156.21 | 25.43 |
| 33 01 30 81-0042 | EA | Drill And Insert Polypropylene Manhole Step | 76.87 | 20.35 |
| **33 01 30 81-0043** | | **Invert Restoration** *(33 01 30 81-0001)* | | |
| | | Note: Includes removal of existing defective material and installation of new material. | | |
| **33 01 30 81-0044** | | **Concrete Invert Restoration** *(33 01 30 81-0043)* | | |
| 33 01 30 81-0045 | EA | 2' Diameter, Concrete Invert Restoration | 375.63 | |
| 33 01 30 81-0046 | EA | 3' Diameter, Concrete Invert Restoration | 422.81 | |
| 33 01 30 81-0047 | EA | 4' Diameter, Concrete Invert Restoration | 469.99 | |
| 33 01 30 81-0048 | EA | 5' Diameter, Concrete Invert Restoration | 517.16 | |
| 33 01 30 81-0049 | EA | 6' Diameter, Concrete Invert Restoration | 658.70 | |
| 33 01 30 81-0050 | SF | Square Or Rectangular, Concrete Invert Restoration | 37.38 | |
| **33 01 30 81-0051** | | **Brick Invert Restoration** *(33 01 30 81-0043)* | | |
| 33 01 30 81-0052 | EA | 2' Diameter, Brick Invert Restoration | 605.80 | |
| 33 01 30 81-0053 | EA | 3' Diameter, Brick Invert Restoration | 652.98 | |
| 33 01 30 81-0054 | EA | 4' Diameter, Brick Invert Restoration | 700.16 | |
| 33 01 30 81-0055 | EA | 5' Diameter, Brick Invert Restoration | 747.34 | |
| 33 01 30 81-0056 | EA | 6' Diameter, Brick Invert Restoration | 794.52 | |
| 33 01 30 81-0057 | SF | Square Or Rectangular, Brick Invert Restoration | 52.40 | |
| **33 01 30 81-0058** | | **Repair In-Kind Of Drainage Structures** *(33 01 30 81)* | | |
| | | Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size. | | |
| 33 01 30 81-0059 | VLF | 2' Diameter, Repair In-Kind Drainage Structure | 853.50 | |
| 33 01 30 81-0060 | VLF | 3' Diameter, Repair In-Kind Drainage Structure | 1,280.25 | |
| 33 01 30 81-0061 | VLF | 4' Diameter, Repair In-Kind Drainage Structure | 1,707.12 | |
| 33 01 30 81-0062 | VLF | 5' Diameter, Repair In-Kind Drainage Structure | 2,133.75 | |
| 33 01 30 81-0063 | VLF | 6' Diameter, Repair In-Kind Drainage Structure | 2,560.51 | |
| 33 01 30 81-0064 | VLF | 2' x 2', Repair In-Kind Drainage Structure | 1,087.26 | |
| 33 01 30 81-0065 | VLF | 2' x 3', Repair In-Kind Drainage Structure | 1,359.08 | |
| 33 01 30 81-0066 | VLF | 2' x 4', Repair In-Kind Drainage Structure | 1,630.90 | |
| 33 01 30 81-0067 | VLF | 3' x 4', Repair In-Kind Drainage Structure | 1,902.71 | |
| 33 01 30 81-0068 | VLF | 4' x 4', Repair In-Kind Drainage Structure | 2,174.53 | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 81-0069 | VLF | 4' x 5', Repair In-Kind Drainage Structure | 2,446.35 | |
| 33 01 30 81-0070 | VLF | 4' x 6', Repair In-Kind Drainage Structure | 2,718.16 | |
| 33 01 30 81-0071 | VLF | 4' x 8', Repair In-Kind Drainage Structure | 3,261.79 | |
| 33 01 30 81-0072 | VLF | >32 GSF, Repair In-Kind Drainage Structure | 3,805.43 | |

## 33 01 30 82 Epoxy Lining for Concrete Manholes *(33 01 30)*

### 33 01 30 82-0001 Epoxy Manhole Restoration, Interior *(33 01 30 82)*

| | | | |
|---|---|---|---|
| 33 01 30 82-0002 | VLF | 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior | 368.26 |
| | | *For 80 Mil Material, Add* | *43.96* |
| | | *For 100 Mil Material, Add* | *87.92* |
| | | *For 125 Mil Material, Add* | *137.16* |
| | | *For 150 Mil Material, Add* | *186.39* |
| | | *For 200 Mil Material, Add* | *269.61* |
| | | *For 2 To 5 Manholes, Deduct* | *-26.04* |
| | | *For 6 To 10 Manholes, Deduct* | *-42.87* |
| | | *For >10 Manholes, Deduct* | *-85.74* |
| 33 01 30 82-0003 | VLF | 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior | 446.66 |
| | | *For 80 Mil Material, Add* | *52.58* |
| | | *For 100 Mil Material, Add* | *105.16* |
| | | *For 125 Mil Material, Add* | *163.90* |
| | | *For 150 Mil Material, Add* | *222.64* |
| | | *For 200 Mil Material, Add* | *321.48* |
| | | *For 2 To 5 Manholes, Deduct* | *-31.65* |
| | | *For 6 To 10 Manholes, Deduct* | *-52.14* |
| | | *For >10 Manholes, Deduct* | *-104.28* |
| 33 01 30 82-0004 | VLF | 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior | 491.01 |
| | | *For 80 Mil Material, Add* | *58.61* |
| | | *For 100 Mil Material, Add* | *117.23* |
| | | *For 125 Mil Material, Add* | *182.87* |
| | | *For 150 Mil Material, Add* | *248.51* |
| | | *For 200 Mil Material, Add* | *359.46* |
| | | *For 2 To 5 Manholes, Deduct* | *-34.72* |
| | | *For 6 To 10 Manholes, Deduct* | *-57.16* |
| | | *For >10 Manholes, Deduct* | *-114.32* |
| 33 01 30 82-0005 | VLF | 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior | 613.84 |
| | | *For 80 Mil Material, Add* | *73.29* |
| | | *For 100 Mil Material, Add* | *146.58* |
| | | *For 125 Mil Material, Add* | *228.67* |
| | | *For 150 Mil Material, Add* | *310.75* |
| | | *For 200 Mil Material, Add* | *449.50* |
| | | *For 2 To 5 Manholes, Deduct* | *-43.40* |
| | | *For 6 To 10 Manholes, Deduct* | *-71.46* |
| | | *For >10 Manholes, Deduct* | *-142.91* |
| 33 01 30 82-0006 | VLF | 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior | 736.59 |
| | | *For 80 Mil Material, Add* | *87.94* |
| | | *For 100 Mil Material, Add* | *175.89* |
| | | *For 125 Mil Material, Add* | *274.38* |
| | | *For 150 Mil Material, Add* | *372.87* |
| | | *For 200 Mil Material, Add* | *539.36* |
| | | *For 2 To 5 Manholes, Deduct* | *-52.08* |
| | | *For 6 To 10 Manholes, Deduct* | *-85.74* |
| | | *For >10 Manholes, Deduct* | *-171.49* |

## 33 01 30 83 Lining for Concrete Manholes *(33 01 30)*

### 33 01 30 83-0001 Manhole Lining *(33 01 30 83)*

Note: Includes power washing and cleaning of manhole interiors.

### 33 01 30 83-0002 Cementitious Manhole Restoration, Interior *(33 01 30 83-0001)*

| | | | |
|---|---|---|---|
| 33 01 30 83-0003 | VLF | 1/2" Cementitious Restoration On 3' Diameter Manhole Interior | 156.94 |
| | | *For Each Additional 1/2" Thick Material, Add* | *38.22* |
| | | *For 2 To 5 Manholes, Deduct* | *-11.07* |
| | | *For 6 To 10 Manholes, Deduct* | *-18.21* |
| | | *For >10 Manholes, Deduct* | *-36.42* |
| 33 01 30 83-0004 | VLF | 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior | 181.96 |
| | | *For Each Additional 1/2" Thick Material, Add* | *44.48* |
| | | *For 2 To 5 Manholes, Deduct* | *-12.83* |
| | | *For 6 To 10 Manholes, Deduct* | *-21.10* |
| | | *For >10 Manholes, Deduct* | *-42.21* |
| 33 01 30 83-0005 | VLF | 1/2" Cementitious Restoration On 4' Diameter Manhole Interior | 206.98 |
| | | *For Each Additional 1/2" Thick Material, Add* | *50.73* |
| | | *For 2 To 5 Manholes, Deduct* | *-14.59* |
| | | *For 6 To 10 Manholes, Deduct* | *-24.00* |
| | | *For >10 Manholes, Deduct* | *-47.99* |
| 33 01 30 83-0006 | VLF | 1/2" Cementitious Restoration On 5' Diameter Manhole Interior | 243.71 |
| | | *For Each Additional 1/2" Thick Material, Add* | *62.09* |
| | | *For 2 To 5 Manholes, Deduct* | *-17.10* |
| | | *For 6 To 10 Manholes, Deduct* | *-28.11* |
| | | *For >10 Manholes, Deduct* | *-56.21* |
| 33 01 30 83-0007 | VLF | 1/2" Cementitious Restoration On 6' Diameter Manhole Interior | 266.43 |
| | | *For Each Additional 1/2" Thick Material, Add* | *71.70* |
| | | *For 2 To 5 Manholes, Deduct* | *-18.57* |
| | | *For 6 To 10 Manholes, Deduct* | *-30.49* |
| | | *For >10 Manholes, Deduct* | *-60.98* |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 01 30 83-0008** | | **Polyurethane Manhole Restoration, Interior** *(33 01 30 83-0001)* | | |
| 33 01 30 83-0009 | VLF | 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior | 327.09 | |
| | | *For 80 Mil Material, Add* | *30.24* | |
| | | *For 100 Mil Material, Add* | *60.48* | |
| | | *For 125 Mil Material, Add* | *92.56* | |
| | | *For 150 Mil Material, Add* | *124.64* | |
| | | *For 200 Mil Material, Add* | *173.54* | |
| | | *For 2 To 5 Manholes, Deduct* | *-23.98* | |
| | | *For 6 To 10 Manholes, Deduct* | *-39.78* | |
| | | *For >10 Manholes, Deduct* | *-79.56* | |
| 33 01 30 83-0010 | VLF | 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior | 398.56 | |
| | | *For 80 Mil Material, Add* | *36.55* | |
| | | *For 100 Mil Material, Add* | *73.10* | |
| | | *For 125 Mil Material, Add* | *111.80* | |
| | | *For 150 Mil Material, Add* | *150.49* | |
| | | *For 200 Mil Material, Add* | *209.25* | |
| | | *For 2 To 5 Manholes, Deduct* | *-29.25* | |
| | | *For 6 To 10 Manholes, Deduct* | *-48.53* | |
| | | *For >10 Manholes, Deduct* | *-97.06* | |
| 33 01 30 83-0011 | VLF | 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior | 436.12 | |
| | | *For 80 Mil Material, Add* | *40.32* | |
| | | *For 100 Mil Material, Add* | *80.63* | |
| | | *For 125 Mil Material, Add* | *123.40* | |
| | | *For 150 Mil Material, Add* | *166.18* | |
| | | *For 200 Mil Material, Add* | *231.38* | |
| | | *For 2 To 5 Manholes, Deduct* | *-31.97* | |
| | | *For 6 To 10 Manholes, Deduct* | *-53.04* | |
| | | *For >10 Manholes, Deduct* | *-106.09* | |
| 33 01 30 83-0012 | VLF | 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior | 545.15 | |
| | | *For 80 Mil Material, Add* | *50.40* | |
| | | *For 100 Mil Material, Add* | *100.79* | |
| | | *For 125 Mil Material, Add* | *154.25* | |
| | | *For 150 Mil Material, Add* | *207.72* | |
| | | *For 200 Mil Material, Add* | *289.23* | |
| | | *For 2 To 5 Manholes, Deduct* | *-39.97* | |
| | | *For 6 To 10 Manholes, Deduct* | *-66.30* | |
| | | *For >10 Manholes, Deduct* | *-132.61* | |
| 33 01 30 83-0013 | VLF | 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior | 654.18 | |
| | | *For 80 Mil Material, Add* | *60.47* | |
| | | *For 100 Mil Material, Add* | *120.95* | |
| | | *For 125 Mil Material, Add* | *185.10* | |
| | | *For 150 Mil Material, Add* | *249.26* | |
| | | *For 200 Mil Material, Add* | *347.07* | |
| | | *For 2 To 5 Manholes, Deduct* | *-47.96* | |
| | | *For 6 To 10 Manholes, Deduct* | *-79.56* | |
| | | *For >10 Manholes, Deduct* | *-159.13* | |
| **33 01 30 83-0014** | | **Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior** *(33 01 30 83-0001)* | | |
| 33 01 30 83-0015 | VLF | 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole | 579.68 | |
| | | *For 2 To 5 Manholes, Deduct* | *-33.56* | |
| | | *For 6 To 10 Manholes, Deduct* | *-52.63* | |
| | | *For >10 Manholes, Deduct* | *-105.26* | |
| 33 01 30 83-0016 | VLF | 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole | 709.92 | |
| | | *For 2 To 5 Manholes, Deduct* | *-41.09* | |
| | | *For 6 To 10 Manholes, Deduct* | *-64.43* | |
| | | *For >10 Manholes, Deduct* | *-128.87* | |
| 33 01 30 83-0017 | VLF | 4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole | 837.37 | |
| | | *For 2 To 5 Manholes, Deduct* | *-47.97* | |
| | | *For 6 To 10 Manholes, Deduct* | *-75.01* | |
| | | *For >10 Manholes, Deduct* | *-150.02* | |
| 33 01 30 83-0018 | VLF | 5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole | 1,050.16 | |
| | | *For 2 To 5 Manholes, Deduct* | *-60.14* | |
| | | *For 6 To 10 Manholes, Deduct* | *-94.02* | |
| | | *For >10 Manholes, Deduct* | *-188.04* | |
| 33 01 30 83-0019 | VLF | 6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole | 1,262.96 | |
| | | *For 2 To 5 Manholes, Deduct* | *-72.30* | |
| | | *For 6 To 10 Manholes, Deduct* | *-113.03* | |
| | | *For >10 Manholes, Deduct* | *-226.07* | |
| **33 01 30 86** | | **Manhole Rim Adjustment** *(33 01 30)* | | |
| 33 01 30 86-0001 | | Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)* | | |
| 33 01 30 86-0002 | | Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)* | | |
| 33 01 30 86-0003 | EA | Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser | 421.57 | |
| 33 01 30 86-0004 | EA | >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser | 474.65 | |
| 33 01 30 86-0005 | EA | >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser | 522.83 | |
| 33 01 30 86-0006 | EA | >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser | 577.42 | |
| 33 01 30 86-0007 | EA | >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser | 621.70 | |

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| **33 01 30 86-0008** | | **Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser** *(33 01 30 86-0001)* | | | |
| 33 01 30 86-0009 | EA | Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser | | 496.81 | |
| 33 01 30 86-0010 | EA | >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser | | 541.74 | |
| 33 01 30 86-0011 | EA | >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser | | 598.31 | |
| 33 01 30 86-0012 | EA | >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser | | 652.90 | |
| 33 01 30 86-0013 | EA | >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser | | 705.53 | |
| **33 01 30 86-0014** | | **Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers** *(33 01 30 86-0001)* | | | |
| 33 01 30 86-0015 | EA | Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers | | 569.53 | |
| 33 01 30 86-0016 | EA | >4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers | | 601.98 | |
| 33 01 30 86-0017 | EA | >5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers | | 636.76 | |
| **33 01 30 86-0018** | | **>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers** *(33 01 30 86-0001)* | | | |
| 33 01 30 86-0019 | EA | >6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser | | 693.56 | |
| 33 01 30 86-0020 | EA | 7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser | | 754.56 | |
| 33 01 30 86-0021 | EA | 7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser | | 816.54 | |
| 33 01 30 86-0022 | EA | 8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser | | 865.72 | |
| 33 01 30 86-0023 | EA | 9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser | | 941.08 | |
| 33 01 30 86-0024 | EA | 10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser | | 1,009.45 | |
| 33 01 30 86-0025 | EA | 11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser | | 1,076.35 | |
| 33 01 30 86-0026 | EA | 12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser | | 1,144.67 | |
| **33 01 30 86-0027** | | **>12" Rise, Solid Manhole Risers** *(33 01 30 86)* | | | |
| **33 01 30 86-0028** | | **Precast Concrete Manhole Riser** *(33 01 30 86-0027)* | | | |
| 33 01 30 86-0029 | VLF | Up To 26" Diameter Precast Concrete Manhole Riser | | 117.34 | |
| 33 01 30 86-0030 | VLF | >26" To 36" Diameter Precast Concrete Manhole Riser | | 140.37 | |
| 33 01 30 86-0031 | VLF | >36" To 48" Diameter Precast Concrete Manhole Riser | | 191.20 | |
| 33 01 30 86-0032 | VLF | >48" To 60" Diameter Precast Concrete Manhole Riser | | 387.80 | |
| 33 01 30 86-0033 | VLF | >60" To 72" Diameter Precast Concrete Manhole Riser | | 568.44 | |
| **33 01 30 89** | | **By-Pass Piping and Pumping of Water and Sewer Utilities** *(33 01 30)* | | | |
| **33 01 30 89-0001** | | **Set-Up By-Pass Pumping Unit** *(33 01 30 89)*<br>Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1140 for pump rental, 01 22 23 00-1183 for suction hose, 01 22 23 00-1202 for discharge hose. | | | |
| 33 01 30 89-0002 | EA | Set-up By-Pass Pumping Unit | | 2,009.95 | |
| 33 01 30 89-0003 | EA | Re-Set Up/Move By-Pass Pumping Unit | | 1,004.98 | |
| **33 01 30 89-0004** | | **By-Pass Pumping** *(33 01 30 89)*<br>Note: Excludes pump rental. See CSI section 01 22 23 00-1140 for pump rental. | | | |
| 33 01 30 89-0005 | DAY | Maintain And Operate By-Pass Pumping Unit | | 502.49 | |
| 33 01 30 89-0006 | WK | Maintain And Operate By-Pass Pumping Unit | | 2,512.44 | |
| 33 01 30 89-0007 | MO | Maintain And Operate By-Pass Pumping Unit | | 10,552.24 | |
| **33 01 30 89-0008** | | **Temporary Bypass And Service Lines** *(33 01 30 89)*<br>Note: Laid on ground, includes fittings and connections. Remove after use. | | | |
| **33 01 30 89-0009** | | **Temporary Water Service Lines** *(33 01 30 89-0008)*<br>Note: Laid on ground, includes fittings, connection to building water service, and chlorination prior to each use. Remove after use. | | | |
| 33 01 30 89-0010 | LF | 1/2" Temporary Service Hose With Fittings<br>Note: Includes removal after use. | | 2.94 | |
| 33 01 30 89-0011 | LF | 3/4" Temporary Service Hose With Fittings<br>Note: Includes removal after use. | | 3.73 | |
| 33 01 30 89-0012 | LF | 1" Temporary Service Hose With Fittings<br>Note: Includes removal after use. | | 4.33 | |
| 33 01 30 89-0013 | LF | 1-1/2" Temporary Service Hose With Fittings<br>Note: Includes removal after use. | | 5.18 | |
| 33 01 30 89-0014 | LF | 2" Temporary Service Hose With Fittings<br>Note: Includes removal after use. | | 6.36 | |
| 33 01 30 89-0015 | EA | Temporary Service Valve Assembly At Fire Hydrant<br>Note: Includes removal after use. | | 323.37 | |
| **33 01 30 89-0016** | | **Temporary Bypass Water Main Lines** *(33 01 30 89-0008)*<br>Note: Laid on ground, includes fittings, connections to mains and chlorination prior to each use. Remove after use. | | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 30 89-0017 | LF | 2" Temporary Bypass Water Main Pipe With Fittings<br>Note: Includes removal after use. | 6.76 | |
| | | *For >500 To 1,000, Deduct* | *-0.45* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.90* | |
| | | *For >5,000, Deduct* | *-1.50* | |
| 33 01 30 89-0018 | LF | 4" Temporary Bypass Water Main Pipe With Fittings<br>Note: Includes removal after use. | 11.13 | |
| | | *For >500 To 1,000, Deduct* | *-0.58* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.16* | |
| | | *For >5,000, Deduct* | *-1.93* | |
| 33 01 30 89-0019 | LF | 6" Temporary Bypass Water Main Pipe With Fittings<br>Note: Includes removal after use. | 16.04 | |
| | | *For >500 To 1,000, Deduct* | *-0.67* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.35* | |
| | | *For >5,000, Deduct* | *-2.25* | |
| 33 01 30 89-0020 | LF | 8" Temporary Bypass Water Main Pipe With Fittings<br>Note: Includes removal after use. | 20.27 | |
| | | *For >500 To 1,000, Deduct* | *-0.81* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.62* | |
| | | *For >5,000, Deduct* | *-2.70* | |

### 33 01 30 89-0021 Piping Protection For Temporary Water Line *(33 01 30 89-0008)*

| | | | |
|---|---|---|---|
| 33 01 30 89-0022 | LF | Cold Mix For Temporary Pipe<br>Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe. | 3.62 |

### 33 01 30 89-0023 Drill Meter Cover For Temporary Water Line *(33 01 30 89-0008)*

| | | | |
|---|---|---|---|
| 33 01 30 89-0024 | EA | Drill Meter Cover For Temporary Bypass Pipe | 18.73 |

### 33 01 30 89-0025 Temporary By-Pass Plug *(33 01 30 89)*

| | | | |
|---|---|---|---|
| 33 01 30 89-0026 | EA | 8" To 16" Temporary By-Pass Plug | 820.45 |
| 33 01 30 89-0027 | EA | 12" To 24" Temporary By-Pass Plug | 1,288.31 |
| 33 01 30 89-0028 | EA | 15" To 30" Temporary By-Pass Plug | 2,127.80 |
| 33 01 30 89-0029 | EA | 20" To 40" Temporary By-Pass Plug | 2,610.64 |
| 33 01 30 89-0030 | EA | 24" To 28" Temporary By-Pass Plug | 3,517.32 |

## 33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems *(33 01)*

### 33 01 34 13 Septic Tank Solids Removal *(33 01 34)*

### 33 01 34 13-0001 Pump Out Septic Tanks *(33 01 34 13)*

| | | | |
|---|---|---|---|
| 33 01 34 13-0002 | GAL | Pump Out Septic Tank And Dispose | 0.70 |

## 33 01 40 Operation and Maintenance of Stormwater Utilities *(33 01)*

### 33 01 40 00-0001 Solid Wall High-Density Polyethylene (HDPE) Culvert Slip-Lining System *(33 01 40)*

Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 30 41-0024 for culvert cleaning.

| | | | |
|---|---|---|---|
| 33 01 40 00-0002 | LF | 6.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 28.40 |
| | | *For Profile Wall (Corrugated), Deduct* | *-4.53* |
| 33 01 40 00-0003 | LF | 8.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 42.66 |
| | | *For Profile Wall (Corrugated), Deduct* | *-7.10* |
| 33 01 40 00-0004 | LF | 10.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 39.84 |
| | | *For Profile Wall (Corrugated), Deduct* | *-6.30* |
| 33 01 40 00-0005 | LF | 12.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 52.71 |
| | | *For Profile Wall (Corrugated), Deduct* | *-8.51* |
| 33 01 40 00-0006 | LF | 14" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 60.20 |
| | | *For Profile Wall (Corrugated), Deduct* | *-9.53* |
| 33 01 40 00-0007 | LF | 16" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 72.74 |
| | | *For Profile Wall (Corrugated), Deduct* | *-11.87* |
| 33 01 40 00-0008 | LF | 18" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 91.43 |
| | | *For Profile Wall (Corrugated), Deduct* | *-14.94* |
| 33 01 40 00-0009 | LF | 20" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 112.32 |
| | | *For Profile Wall (Corrugated), Deduct* | *-18.64* |
| 33 01 40 00-0010 | LF | 22" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 129.59 |
| | | *For Profile Wall (Corrugated), Deduct* | *-21.62* |
| 33 01 40 00-0011 | LF | 24" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 148.39 |
| | | *For Profile Wall (Corrugated), Deduct* | *-24.90* |
| 33 01 40 00-0012 | LF | 26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 169.44 |
| | | *For Profile Wall (Corrugated), Deduct* | *-28.63* |
| 33 01 40 00-0013 | LF | 28" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 191.24 |
| | | *For Profile Wall (Corrugated), Deduct* | *-32.52* |
| 33 01 40 00-0014 | LF | 30" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 221.70 |
| | | *For Profile Wall (Corrugated), Deduct* | *-38.13* |
| 33 01 40 00-0015 | LF | 32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 253.65 |
| | | *For Profile Wall (Corrugated), Deduct* | *-44.04* |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 40 00-0016 | LF | 34" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 280.47 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-48.93* | |
| 33 01 40 00-0017 | LF | 36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 307.29 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-53.82* | |
| 33 01 40 00-0018 | LF | 39.37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 351.54 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-62.19* | |
| 33 01 40 00-0019 | LF | 42" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 395.78 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-70.56* | |
| 33 01 40 00-0020 | LF | 48" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 510.10 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-92.94* | |
| 33 01 40 00-0021 | LF | 54" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 622.93 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-115.03* | |
| 33 01 40 00-0022 | LF | 57" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 690.42 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-128.05* | |
| 33 01 40 00-0023 | LF | 60" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 757.26 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-140.94* | |
| 33 01 40 00-0024 | LF | 63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 825.40 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-154.09* | |
| 33 01 40 00-0025 | LF | 66" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 926.99 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-173.70* | |
| 33 01 40 00-0026 | LF | 72" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 984.20 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-184.18* | |
| 33 01 40 00-0027 | LF | 78" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 1,046.29 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-195.41* | |
| 33 01 40 00-0028 | LF | 84" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 1,135.74 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-212.34* | |
| 33 01 40 00-0029 | LF | 90" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 1,162.23 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-216.68* | |
| 33 01 40 00-0030 | LF | 96" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 | 1,177.65 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-218.57* | |
| 33 01 40 00-0031 | LF | 16.5 x 23" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 149.70 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-25.12* | |
| 33 01 40 00-0032 | LF | 17" x 26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 167.65 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-27.81* | |
| 33 01 40 00-0033 | LF | 18" x 29" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 184.95 | |
| 33 01 40 00-0034 | LF | 19" x 32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 213.58 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-35.73* | |
| 33 01 40 00-0035 | LF | 21" x 33.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 234.33 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-39.24* | |
| 33 01 40 00-0036 | LF | 22.5 x 36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 262.90 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-44.32* | |
| 33 01 40 00-0037 | LF | 26" x 37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 293.03 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-49.71* | |
| 33 01 40 00-0038 | LF | 30" x 41" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 351.24 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-60.08* | |
| 33 01 40 00-0039 | LF | 31" x 46" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 394.81 | |
| 33 01 40 00-0040 | LF | 34" x 48.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 437.26 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-76.02* | |
| 33 01 40 00-0041 | LF | 39" x 55.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 541.71 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-96.27* | |
| 33 01 40 00-0042 | LF | 43" x 63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 650.70 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-117.44* | |
| 33 01 40 00-0043 | LF | 48" x 75" Outside Daimeter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 833.29 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-153.95* | |
| 33 01 40 00-0044 | LF | 52" x 72.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 842.83 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-153.95* | |
| 33 01 40 00-0045 | LF | 58" x 67.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert | 842.83 | |
| | | *For Profile Wall (Corrugated), Deduct* | *-153.95* | |

## 33 01 70 Operation and Maintenance of Electrical Utilities *(33 01)*

### 33 01 70 51 Electrical Utility Visual Inspection *(33 01 70)*

33 01 70 51-0001 Video Camera Inspection Of Gas Piping and Electrical Duct *(33 01 70 51)*

33 01 70 51-0002 Video Camera Set-up *(33 01 70 51-0001)*

| | | | |
|---|---|---|---|
| 33 01 70 51-0003 | EA | Up To 12" Diameter, Initial Set Up For Video Inspection, Gas Pipe Or Electrical Duct | 284.28 |
| 33 01 70 51-0004 | EA | >12" To 48" Diameter, Initial Set Up For Video Inspection, Gas Pipe | 319.83 |
| 33 01 70 51-0005 | EA | Up To 12" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe Or Electrical Duct | 71.07 |
| 33 01 70 51-0006 | EA | >12" To 48" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe | 106.61 |

33 01 70 51-0007 Video Camera Inspection Of Gas Pipe Or Electrical Duct *(33 01 70 51-0001)*

| | | | | |
|---|---|---|---|---|
| 33 01 70 51-0008 | LF | Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct | 1.10 | |
| | | *For >1,000 To 5,000, Deduct* | *-0.06* | |
| | | *For >5,000, Deduct* | *-0.11* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 70 51-0009 | LF | >12" To 48" Diameter, Video Inspection, Gas Pipe | 1.69 | |
| | | *For >1,000 To 5,000, Deduct* | *-0.08* | |
| | | *For >5,000, Deduct* | *-0.17* | |

## 33 01 70 72 Cured-in-Place Conduit Lining *(33 01 70)*

### 33 01 70 72-0001 Lining Conduit With Cured In-Place (CIP) Liner *(33 01 70 72)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.

### 33 01 70 72-0002 2mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

| | | | | |
|---|---|---|---|---|
| 33 01 70 72-0003 | LF | 1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining | 7.64 | |
| | | *For Up To >10, Add* | *14.67* | |
| | | *For >10 To 25, Add* | *11.68* | |
| | | *For >25 To 50, Add* | *7.17* | |
| | | *For >50 To 100, Add* | *3.59* | |
| | | *For >500 To 1,000, Deduct* | *-0.49* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.79* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.48* | |
| | | *For >5,000, Deduct* | *-2.40* | |
| 33 01 70 72-0004 | LF | 2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining | 9.35 | |
| | | *For Up To >10, Add* | *16.90* | |
| | | *For >10 To 25, Add* | *13.34* | |
| | | *For >25 To 50, Add* | *8.23* | |
| | | *For >50 To 100, Add* | *4.11* | |
| | | *For >500 To 1,000, Deduct* | *-0.59* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.95* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.76* | |
| | | *For >5,000, Deduct* | *-2.85* | |
| 33 01 70 72-0005 | LF | 2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining | 11.71 | |
| | | *For Up To >10, Add* | *21.11* | |
| | | *For >10 To 25, Add* | *16.65* | |
| | | *For >25 To 50, Add* | *10.27* | |
| | | *For >50 To 100, Add* | *5.14* | |
| | | *For >500 To 1,000, Deduct* | *-0.74* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.18* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.20* | |
| | | *For >5,000, Deduct* | *-3.56* | |
| 33 01 70 72-0006 | LF | 3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining | 13.83 | |
| | | *For Up To >10, Add* | *24.57* | |
| | | *For >10 To 25, Add* | *19.34* | |
| | | *For >25 To 50, Add* | *11.94* | |
| | | *For >50 To 100, Add* | *5.97* | |
| | | *For >500 To 1,000, Deduct* | *-0.87* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.39* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.58* | |
| | | *For >5,000, Deduct* | *-4.18* | |
| 33 01 70 72-0007 | LF | 3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining | 15.53 | |
| | | *For Up To >10, Add* | *26.77* | |
| | | *For >10 To 25, Add* | *20.98* | |
| | | *For >25 To 50, Add* | *12.99* | |
| | | *For >50 To 100, Add* | *6.49* | |
| | | *For >500 To 1,000, Deduct* | *-0.97* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.54* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.85* | |
| | | *For >5,000, Deduct* | *-4.63* | |
| 33 01 70 72-0008 | LF | 4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining | 17.50 | |
| | | *For Up To >10, Add* | *29.78* | |
| | | *For >10 To 25, Add* | *23.30* | |
| | | *For >25 To 50, Add* | *14.43* | |
| | | *For >50 To 100, Add* | *7.22* | |
| | | *For >500 To 1,000, Deduct* | *-1.09* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.73* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.19* | |
| | | *For >5,000, Deduct* | *-5.18* | |
| 33 01 70 72-0009 | LF | 5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining | 20.63 | |
| | | *For Up To >10, Add* | *33.37* | |
| | | *For >10 To 25, Add* | *25.90* | |
| | | *For >25 To 50, Add* | *16.11* | |
| | | *For >50 To 100, Add* | *8.06* | |
| | | *For >500 To 1,000, Deduct* | *-1.26* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.67* | |
| | | *For >5,000, Deduct* | *-5.97* | |
| 33 01 70 72-0010 | LF | 6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining | 23.77 | |
| | | *For Up To >10, Add* | *36.99* | |
| | | *For >10 To 25, Add* | *28.53* | |
| | | *For >25 To 50, Add* | *17.81* | |
| | | *For >50 To 100, Add* | *8.90* | |
| | | *For >500 To 1,000, Deduct* | *-1.44* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.28* | |
| | | *For >2,000 To 5,000, Deduct* | *-4.16* | |
| | | *For >5,000, Deduct* | *-6.76* | |

### 33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 01 70 72-0012 | LF | 1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining | 9.42 | |
| | | *For Up To >10, Add* | *16.24* | |
| | | *For >10 To 25, Add* | *12.73* | |
| | | *For >25 To 50, Add* | *7.88* | |
| | | *For >50 To 100, Add* | *3.94* | |
| | | *For >500 To 1,000, Deduct* | *-0.59* | |
| | | *For >1,000 To 2,000, Deduct* | *-0.94* | |
| | | *For >2,000 To 5,000, Deduct* | *-1.73* | |
| | | *For >5,000, Deduct* | *-2.81* | |
| 33 01 70 72-0013 | LF | 2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining | 12.25 | |
| | | *For Up To >10, Add* | *20.38* | |
| | | *For >10 To 25, Add* | *15.89* | |
| | | *For >25 To 50, Add* | *9.86* | |
| | | *For >50 To 100, Add* | *4.93* | |
| | | *For >500 To 1,000, Deduct* | *-0.76* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.20* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.21* | |
| | | *For >5,000, Deduct* | *-3.59* | |
| 33 01 70 72-0014 | LF | 2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining | 15.07 | |
| | | *For Up To >10, Add* | *24.49* | |
| | | *For >10 To 25, Add* | *19.02* | |
| | | *For >25 To 50, Add* | *11.83* | |
| | | *For >50 To 100, Add* | *5.91* | |
| | | *For >500 To 1,000, Deduct* | *-0.92* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.47* | |
| | | *For >2,000 To 5,000, Deduct* | *-2.69* | |
| | | *For >5,000, Deduct* | *-4.37* | |
| 33 01 70 72-0015 | LF | 3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining | 17.62 | |
| | | *For Up To >10, Add* | *27.81* | |
| | | *For >10 To 25, Add* | *21.51* | |
| | | *For >25 To 50, Add* | *13.40* | |
| | | *For >50 To 100, Add* | *6.70* | |
| | | *For >500 To 1,000, Deduct* | *-1.07* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.70* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.10* | |
| | | *For >5,000, Deduct* | *-5.04* | |
| 33 01 70 72-0016 | LF | 3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining | 20.04 | |
| | | *For Up To >10, Add* | *30.72* | |
| | | *For >10 To 25, Add* | *23.64* | |
| | | *For >25 To 50, Add* | *14.77* | |
| | | *For >50 To 100, Add* | *7.39* | |
| | | *For >500 To 1,000, Deduct* | *-1.21* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.92* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.48* | |
| | | *For >5,000, Deduct* | *-5.66* | |
| 33 01 70 72-0017 | LF | 4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining | 22.59 | |
| | | *For Up To >10, Add* | *34.02* | |
| | | *For >10 To 25, Add* | *26.10* | |
| | | *For >25 To 50, Add* | *16.34* | |
| | | *For >50 To 100, Add* | *8.17* | |
| | | *For >500 To 1,000, Deduct* | *-1.36* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.15* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.89* | |
| | | *For >5,000, Deduct* | *-6.34* | |
| 33 01 70 72-0018 | LF | 5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining | 27.56 | |
| | | *For Up To >10, Add* | *40.23* | |
| | | *For >10 To 25, Add* | *30.70* | |
| | | *For >25 To 50, Add* | *19.27* | |
| | | *For >50 To 100, Add* | *9.63* | |
| | | *For >500 To 1,000, Deduct* | *-1.64* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.60* | |
| | | *For >2,000 To 5,000, Deduct* | *-4.68* | |
| | | *For >5,000, Deduct* | *-7.63* | |
| 33 01 70 72-0019 | LF | 6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining | 32.13 | |
| | | *For Up To >10, Add* | *45.24* | |
| | | *For >10 To 25, Add* | *34.29* | |
| | | *For >25 To 50, Add* | *21.60* | |
| | | *For >50 To 100, Add* | *10.80* | |
| | | *For >500 To 1,000, Deduct* | *-1.90* | |
| | | *For >1,000 To 2,000, Deduct* | *-2.99* | |
| | | *For >2,000 To 5,000, Deduct* | *-5.37* | |
| | | *For >5,000, Deduct* | *-8.76* | |

# 33 05 Common Work Results for Utilities *(33)*

## 33 05 05 Buried Piping Installation *(33 05)*

### 33 05 05 43 Mandrel Testing *(33 05 05)*

33 05 05 43-0001 Pipe Line Deflection Testing (Mandrel) On Existing Pipe *(33 05 05 43)*

| | | | |
|---|---|---|---|
| 33 05 05 43-0002 | EA | Initial Set Up And Final Equipment Removal For Deflection Testing (Mandrel) | 646.74 |
| 33 05 05 43-0003 | EA | Move And Reset Up At Different Access/Location For Deflection Testing (Mandrel) | 323.37 |


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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 05 43-0004 | LF | Up To 4" Diameter Pipe Line Deflection Testing (Mandrel) | 1.03 | |
| | | *For >100 To 200, Deduct* | *-0.05* | |
| | | *For >200 To 400, Deduct* | *-0.10* | |
| | | *For >400, Deduct* | *-0.16* | |
| 33 05 05 43-0005 | LF | 6" Diameter Pipe Line Deflection Testing (Mandrel) | 1.55 | |
| | | *For >100 To 200, Deduct* | *-0.07* | |
| | | *For >200 To 400, Deduct* | *-0.13* | |
| | | *For >400, Deduct* | *-0.20* | |
| 33 05 05 43-0006 | LF | 8" Diameter Pipe Line Deflection Testing (Mandrel) | 1.85 | |
| | | *For >100 To 200, Deduct* | *-0.08* | |
| | | *For >200 To 400, Deduct* | *-0.15* | |
| | | *For >400, Deduct* | *-0.24* | |
| 33 05 05 43-0007 | LF | 10" Diameter Pipe Line Deflection Testing (Mandrel) | 2.17 | |
| | | *For >100 To 200, Deduct* | *-0.09* | |
| | | *For >200 To 400, Deduct* | *-0.17* | |
| | | *For >400, Deduct* | *-0.27* | |
| 33 05 05 43-0008 | LF | 12" Diameter Pipe Line Deflection Testing (Mandrel) | 2.43 | |
| | | *For >100 To 200, Deduct* | *-0.10* | |
| | | *For >200 To 400, Deduct* | *-0.19* | |
| | | *For >400, Deduct* | *-0.30* | |
| 33 05 05 43-0009 | LF | >12" To 15" Diameter Pipe Line Deflection Testing (Mandrel) | 2.55 | |
| | | *For >100 To 200, Deduct* | *-0.11* | |
| | | *For >200 To 400, Deduct* | *-0.21* | |
| | | *For >400, Deduct* | *-0.32* | |
| 33 05 05 43-0010 | LF | >15" To 24" Diameter Pipe Line Deflection Testing (Mandrel) | 2.70 | |
| | | *For >100 To 200, Deduct* | *-0.12* | |
| | | *For >200 To 400, Deduct* | *-0.23* | |
| | | *For >400, Deduct* | *-0.36* | |
| 33 05 05 43-0011 | LF | >24" To 30" Diameter Pipe Line Deflection Testing (Mandrel) | 2.96 | |
| | | *For >100 To 200, Deduct* | *-0.14* | |
| | | *For >200 To 400, Deduct* | *-0.26* | |
| | | *For >400, Deduct* | *-0.41* | |
| 33 05 05 43-0012 | LF | >30" To 42" Diameter Pipe Line Deflection Testing (Mandrel) | 3.51 | |
| | | *For >100 To 200, Deduct* | *-0.18* | |
| | | *For >200 To 400, Deduct* | *-0.34* | |
| | | *For >400, Deduct* | *-0.53* | |
| 33 05 05 43-0013 | LF | >42" To 48" Diameter Pipe Line Deflection Testing (Mandrel) | 4.67 | |
| | | *For >100 To 200, Deduct* | *-0.27* | |
| | | *For >200 To 400, Deduct* | *-0.50* | |
| | | *For >400, Deduct* | *-0.79* | |
| 33 05 05 43-0014 | LF | >48" To 60" Diameter Pipe Line Deflection Testing (Mandrel) | 5.94 | |
| | | *For >100 To 200, Deduct* | *-0.36* | |
| | | *For >200 To 400, Deduct* | *-0.68* | |
| | | *For >400, Deduct* | *-1.07* | |

## 33 05 07 Trenchless Installation of Utility Piping *(33 05)*

### 33 05 07 13 Utility Directional Drilling *(33 05 07)*

#### 33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

| | | | |
|---|---|---|---|
| 33 05 07 13-0002 | LF | Up To 2" Diameter Horizontal Hand Augering | 29.50 |
| 33 05 07 13-0003 | LF | 3" Diameter Horizontal Hand Augering | 35.60 |
| 33 05 07 13-0004 | LF | 4" Diameter Horizontal Hand Augering | 48.83 |
| 33 05 07 13-0005 | LF | 6" Diameter Horizontal Hand Augering | 63.07 |
| 33 05 07 13-0006 | LF | 8" Diameter Horizontal Augering | 108.52 |
| 33 05 07 13-0007 | LF | 10" Diameter Horizontal Augering | 158.31 |
| 33 05 07 13-0008 | LF | 12" Diameter Horizontal Augering | 190.24 |
| 33 05 07 13-0009 | LF | 16" Diameter Horizontal Augering | 227.26 |
| 33 05 07 13-0010 | LF | 20" Diameter Horizontal Augering | 393.23 |
| 33 05 07 13-0011 | LF | 24" Diameter Horizontal Augering | 485.21 |
| 33 05 07 13-0012 | LF | 30" Diameter Horizontal Augering | 598.48 |
| 33 05 07 13-0013 | LF | 36" Diameter Horizontal Augering | 683.77 |
| 33 05 07 13-0014 | LF | 42" Diameter Horizontal Augering | 850.51 |
| 33 05 07 13-0015 | LF | 48" Diameter Horizontal Augering | 916.43 |
| 33 05 07 13-0016 | LF | 54" Diameter Horizontal Augering | 996.67 |
| 33 05 07 13-0017 | LF | 60" Diameter Horizontal Augering | 1,044.89 |
| 33 05 07 13-0018 | EA | 8" To 20" Horizontal Augering Minimum Set-up Charge<br>Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 4,596.21 |
| 33 05 07 13-0019 | EA | >20" To 36" Horizontal Augering Minimum Set-up Charge<br>Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 6,152.58 |
| 33 05 07 13-0020 | EA | >36" Horizontal Augering Minimum Set-up Charge<br>Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 8,682.38 |

#### 33 05 07 13-0021 Horizontal Directional Boring *(33 05 07 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

| | | | |
|---|---|---|---|
| 33 05 07 13-0022 | LF | Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground | 15.08 |
| | | *For Horizontal Boring Through Rock, Add* | *10.56* |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 33 05 07 13-0023 | | LF | 2" Diameter Directional Boring For Horizontal Pipe, Underground | 22.61 | |
| | | | *For Horizontal Boring Through Rock, Add* | *15.83* | |
| 33 05 07 13-0024 | | LF | 2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground | 31.41 | |
| | | | *For Horizontal Boring Through Rock, Add* | *21.99* | |
| 33 05 07 13-0025 | | LF | 3" Diameter Directional Boring For Horizontal Pipe, Underground | 38.95 | |
| | | | *For Horizontal Boring Through Rock, Add* | *27.27* | |
| 33 05 07 13-0026 | | LF | 4" Diameter Directional Boring For Horizontal Pipe, Underground | 46.49 | |
| | | | *For Horizontal Boring Through Rock, Add* | *32.54* | |
| 33 05 07 13-0027 | | LF | 5" Diameter Directional Boring For Horizontal Pipe, Underground | 54.03 | |
| | | | *For Horizontal Boring Through Rock, Add* | *37.82* | |
| 33 05 07 13-0028 | | LF | 6" Diameter Directional Boring For Horizontal Pipe, Underground | 62.82 | |
| | | | *For Horizontal Boring Through Rock, Add* | *43.97* | |
| 33 05 07 13-0029 | | LF | 8" Diameter Directional Boring For Horizontal Pipe, Underground | 76.61 | |
| | | | *For Horizontal Boring Through Rock, Add* | *53.63* | |
| 33 05 07 13-0030 | | LF | 10" Diameter Directional Boring For Horizontal Pipe, Underground | 82.99 | |
| | | | *For Horizontal Boring Through Rock, Add* | *58.09* | |
| 33 05 07 13-0031 | | LF | 12" Diameter Directional Boring For Horizontal Pipe, Underground | 89.38 | |
| | | | *For Horizontal Boring Through Rock, Add* | *62.57* | |
| 33 05 07 13-0032 | | LF | 18" Diameter Directional Boring For Horizontal Pipe, Underground | 185.13 | |
| | | | *For Horizontal Boring Through Rock, Add* | *129.59* | |
| 33 05 07 13-0033 | | LF | 24" Diameter Directional Boring For Horizontal Pipe, Underground | 286.66 | |
| | | | *For Horizontal Boring Through Rock, Add* | *200.66* | |
| 33 05 07 13-0034 | | LF | 30" Diameter Directional Boring For Horizontal Pipe, Underground | 436.97 | |
| | | | *For Horizontal Boring Through Rock, Add* | *305.88* | |
| 33 05 07 13-0035 | | LF | 36" Diameter Directional Boring For Horizontal Pipe, Underground | 699.15 | |
| | | | *For Horizontal Boring Through Rock, Add* | *489.41* | |
| 33 05 07 13-0036 | | EA | Up To 6" Horizontal Directional Boring Minimum Set-up Charge<br>Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 4,020.47 | |
| 33 05 07 13-0037 | | EA | >6" To 18" Horizontal Directional Boring Minimum Set-up Charge<br>Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 4,596.21 | |
| 33 05 07 13-0038 | | EA | >18" To 36" Horizontal Directional Boring Minimum Set-up Charge<br>Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 6,152.58 | |

## 33 05 07 23 Utility Boring and Jacking *(33 05 07)*

### 33 05 07 23-0001 Horizontal Jacking *(33 05 07 23)*

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

| | | | | | |
|---|---|---|---|---|---|
| 33 05 07 23-0002 | | LF | Up To 2" Diameter Horizontal Jacking | 79.36 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *32.64* | |
| 33 05 07 23-0003 | | LF | 3" Diameter Horizontal Jacking | 94.95 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *39.39* | |
| 33 05 07 23-0004 | | LF | 4" Diameter Horizontal Jacking | 127.75 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *54.02* | |
| 33 05 07 23-0005 | | LF | 6" Diameter Horizontal Jacking | 165.14 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *69.78* | |
| 33 05 07 23-0006 | | LF | 8" Diameter Horizontal Jacking | 222.94 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *95.66* | |
| 33 05 07 23-0007 | | LF | 10" Diameter Horizontal Jacking | 327.32 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *139.56* | |
| 33 05 07 23-0008 | | LF | 12" Diameter Horizontal Jacking | 394.30 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *167.70* | |
| 33 05 07 23-0009 | | LF | 16" Diameter Horizontal Jacking | 470.69 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *200.34* | |
| 33 05 07 23-0010 | | LF | 20" Diameter Horizontal Jacking | 708.08 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *347.77* | |
| 33 05 07 23-0011 | | LF | 24" Diameter Horizontal Jacking | 1,301.45 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *390.29* | |
| 33 05 07 23-0012 | | LF | 30" Diameter Horizontal Jacking | 1,491.88 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *481.94* | |
| 33 05 07 23-0013 | | LF | 36" Diameter Horizontal Jacking | 1,679.88 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *551.05* | |
| 33 05 07 23-0014 | | LF | 42" Diameter Horizontal Jacking | 1,802.27 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *595.06* | |
| 33 05 07 23-0015 | | LF | 48" Diameter Horizontal Jacking | 1,957.40 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *641.17* | |
| 33 05 07 23-0016 | | LF | 54" Diameter Horizontal Jacking | 2,082.65 | |
| | | | *For Horizontal Jacking Through Rock, Add* | *697.80* | |
| 33 05 07 23-0017 | | EA | Up To 6" Horizontal Jacking Minimum Set-up Charge<br>Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 4,020.47 | |
| 33 05 07 23-0018 | | EA | >6" To 20" Horizontal Jacking Minimum Set-up Charge<br>Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 4,596.21 | |
| 33 05 07 23-0019 | | EA | >20" To 36" Horizontal Jacking Minimum Set-up Charge<br>Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 6,152.58 | |
| 33 05 07 23-0020 | | EA | >36" Horizontal Jacking Minimum Set-up Charge<br>Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section. | 8,682.38 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 33 05 07 24 Casing Piping for Utility Jacking *(33 05 07)*

33 05 07 24-0001 Casing Pipe *(33 05 07 24)*
Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe *(33 05 07 24-0001)*

| | | | |
|---|---|---|---|
| 33 05 07 24-0003 | LF | 1-1/2" Steel Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 28.55 |
| 33 05 07 24-0004 | LF | 2" Steel Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 30.18 |
| 33 05 07 24-0005 | LF | 2-1/2" Steel Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 32.71 |
| 33 05 07 24-0006 | LF | 3" Steel Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 35.27 |
| 33 05 07 24-0007 | LF | 4" Steel Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 45.14 |
| 33 05 07 24-0008 | LF | 5" Steel Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 51.30 |
| 33 05 07 24-0009 | LF | 6" Steel Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 57.45 |

33 05 07 24-0010 Polyethylene Pipe *(33 05 07 24-0001)*
Note: Includes detectable tracer wire.

| | | | |
|---|---|---|---|
| 33 05 07 24-0011 | LF | 3/4" Polyethylene Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 6.51 |
| 33 05 07 24-0012 | LF | 1" Polyethylene Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 7.14 |
| 33 05 07 24-0013 | LF | 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 7.74 |
| 33 05 07 24-0014 | LF | 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 8.27 |
| 33 05 07 24-0015 | LF | 2" Polyethylene Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 8.85 |
| 33 05 07 24-0016 | LF | 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 9.48 |
| 33 05 07 24-0017 | LF | 3" Polyethylene Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 10.12 |
| 33 05 07 24-0018 | LF | 4" Polyethylene Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 12.34 |
| 33 05 07 24-0019 | LF | 5" Polyethylene Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 13.71 |
| 33 05 07 24-0020 | LF | 6" Polyethylene Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 15.08 |
| 33 05 07 24-0021 | LF | 8" Polyethylene Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 19.78 |
| 33 05 07 24-0022 | LF | 10" Polyethylene Pipe Pull In Place By Boring Machine<br>Note: Includes pipe welding. | 27.10 |

## 33 05 09 Piping Specials for Utilities *(33 05)*

### 33 05 09 23 Adapters for Utility Piping *(33 05 09)*
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

### 33 05 09 33 Thrust Restraint for Utility Piping *(33 05 09)*
See CSI section 33 14 13 13-0615 for mechanical restraints, 33 14 13 13-0651 for flanged restraints, 33 14 13 13-1258 for slip-on restraints, 33 14 13 13-1274 for slip-on restraint harnesses.

## 33 05 16 Cast-Iron Utility Pipe *(33 05)*
See CSI section 22 13 16 00-0019 for cast iron utility piping.

## 33 05 17 Copper Utility Pipe and Tubing *(33 05)*
See CSI section 33 14 13 39-0000 for copper utility piping.

## 33 05 19 Ductile-Iron Utility Pipe *(33 05)*
See CSI section 33 14 13 13-0000 for ductile iron utility piping.

## 33 05 24 Steel Utility Pipe *(33 05)*

### 33 05 24 23 Steel Pipe for Water Service *(33 05 24)*
See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

## 33 05 27 Corrugated Metal Utility Pipe *(33 05)*

### 33 05 27 13 Corrugated Metal Culvert Pipe *(33 05 27)*
See CSI section 33 42 11 00-0500 for corrugated metal culvert pipe.

### 33 05 27 23 Corrugated Metal Slotted Pipe *(33 05 27)*
See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.

### 33 05 27 33 Corrugated Metal Culvert Arch Pipe *(33 05 27)*
See CSI section 33 42 11 00-0844 for corrugated metal culvert arch pipe.

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MINOR
CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

# 33 05 31 Thermoplastic Utility Pipe *(33 05)*

## 33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe *(33 05 31)*
See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

## 33 05 31 13 Polyvinyl Chloride Pressure Pipe *(33 05 31)*
See CSI section 33 14 13 23-0001 for polyvinyl chloride pressure pipe.

## 33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) *(33 05 31)*
See CSI section 33 14 13 23-0171 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

# 33 05 33 Polyethylene Utility Pipe *(33 05)*

## 33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe *(33 05 33)*
See CSI section 33 42 11 00-0241 for corrugated-wall smooth interior HDPE gravity pipe.

## 33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) *(33 05 33)*
See CSI section 33 14 13 23-0426 for AWWA C906 high-density polyethylene pipe.

## 33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 42 11 00-0263 for corrugated perforated HDPE drainage pipe.

## 33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

## 33 05 33 53 HDPE Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

## 33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.

## 33 05 33 63 HDPE Communication Duct *(33 05 33)*

33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine *(33 05 33 63)*
Note: Excludes boring.

| | | | | |
|---|---|---|---|---|
| 33 05 33 63-0002 | LF | 1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine | 3.83 | |
| | | *For Up To 250, Add* | *0.13* | |
| | | *For >250 To 500, Add* | *0.08* | |
| 33 05 33 63-0003 | LF | 1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine | 4.30 | |
| | | *For Up To 250, Add* | *0.15* | |
| | | *For >250 To 500, Add* | *0.10* | |
| 33 05 33 63-0004 | LF | 1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine | 4.66 | |
| | | *For Up To 250, Add* | *0.18* | |
| | | *For >250 To 500, Add* | *0.12* | |
| 33 05 33 63-0005 | LF | 2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine | 5.12 | |
| | | *For Up To 250, Add* | *0.21* | |
| | | *For >250 To 500, Add* | *0.14* | |
| 33 05 33 63-0006 | LF | 3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine | 6.94 | |
| | | *For Up To 250, Add* | *0.44* | |
| | | *For >250 To 500, Add* | *0.29* | |
| 33 05 33 63-0007 | LF | 4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine | 8.82 | |
| | | *For Up To 250, Add* | *0.67* | |
| | | *For >250 To 500, Add* | *0.45* | |
| 33 05 33 63-0008 | LF | 1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine | 3.92 | |
| | | *For Up To 250, Add* | *0.14* | |
| | | *For >250 To 500, Add* | *0.09* | |
| 33 05 33 63-0009 | LF | 1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine | 4.46 | |
| | | *For Up To 250, Add* | *0.18* | |
| | | *For >250 To 500, Add* | *0.12* | |
| 33 05 33 63-0010 | LF | 1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine | 4.79 | |
| | | *For Up To 250, Add* | *0.20* | |
| | | *For >250 To 500, Add* | *0.13* | |
| 33 05 33 63-0011 | LF | 2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine | 5.46 | |
| | | *For Up To 250, Add* | *0.26* | |
| | | *For >250 To 500, Add* | *0.17* | |
| 33 05 33 63-0012 | LF | 3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine | 7.69 | |
| | | *For Up To 250, Add* | *0.55* | |
| | | *For >250 To 500, Add* | *0.37* | |
| 33 05 33 63-0013 | LF | 4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine | 9.76 | |
| | | *For Up To 250, Add* | *0.81* | |
| | | *For >250 To 500, Add* | *0.54* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 33 05 39 Concrete Pipe *(33 05)*

### 33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301) *(33 05 39)*

See CSI section 33 42 11 00-0094 for prestressed concrete pressure pipe.

### 33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

### 33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.

## 33 05 41 Vitrified Clay Utility Pipe *(33 05)*

See CSI section 33 42 11 00-0367 for vitrified clay piping.

## 33 05 61 Concrete Manholes *(33 05)*

33 05 61 00-0001 Manholes *(33 05 61)*

33 05 61 00-0002 Precast Concrete Manholes *(33 05 61 00-0001)*

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.
See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

| | | | | |
|---|---|---|---|---|
| 33 05 61 00-0004 | EA | 4' Deep, 3' Diameter, Precast Concrete Manhole | 1,786.17 | 322.81 |
| | | *For Bitumastic Coating, Add* | *82.02* | |
| | | *For Epoxy Coating, Add* | *156.73* | |
| 33 05 61 00-0005 | EA | 6' Deep, 3' Diameter, Precast Concrete Manhole | 2,434.81 | 463.68 |
| | | *For Bitumastic Coating, Add* | *123.03* | |
| | | *For Epoxy Coating, Add* | *235.10* | |
| 33 05 61 00-0006 | EA | 8' Deep, 3' Diameter, Precast Concrete Manhole | 3,283.01 | 704.32 |
| | | *For Bitumastic Coating, Add* | *164.04* | |
| | | *For Epoxy Coating, Add* | *313.46* | |
| 33 05 61 00-0007 | VLF | Riser For 3' Diameter, Precast Concrete Manhole<br>Note: For depths greater than 8'. | 347.80 | 82.17 |
| | | *For Bitumastic Coating, Add* | *20.50* | |
| | | *For Epoxy Coating, Add* | *39.18* | |
| 33 05 61 00-0008 | VLF | Drop Collar For 3' Diameter, Precast Concrete Manhole | 374.71 | 82.17 |
| 33 05 61 00-0009 | EA | Drop Base For 3' Diameter, Precast Concrete Manhole | 598.67 | 82.17 |
| 33 05 61 00-0010 | EA | Extended Base Slab For 3' Diameter, Precast Concrete Manhole | 478.40 | 82.17 |
| 33 05 61 00-0011 | EA | Precast Channel For 3' Diameter, Precast Concrete Manhole | 683.24 | 82.17 |

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

| | | | | |
|---|---|---|---|---|
| 33 05 61 00-0013 | EA | 4' Deep, 4' Diameter, Precast Concrete Manhole | 2,661.31 | 369.77 |
| | | *For Bitumastic Coating, Add* | *82.02* | |
| | | *For Epoxy Coating, Add* | *156.73* | |
| 33 05 61 00-0014 | EA | 6' Deep, 4' Diameter, Precast Concrete Manhole | 3,550.92 | 504.76 |
| | | *For Bitumastic Coating, Add* | *123.03* | |
| | | *For Epoxy Coating, Add* | *235.10* | |
| 33 05 61 00-0015 | EA | 8' Deep, 4' Diameter, Precast Concrete Manhole | 4,676.27 | 763.01 |
| | | *For Bitumastic Coating, Add* | *164.04* | |
| | | *For Epoxy Coating, Add* | *313.46* | |
| 33 05 61 00-0016 | VLF | Riser For 4' Diameter, Precast Concrete Manhole<br>Note: For depths greater than 8'. | 499.08 | 96.85 |
| | | *For Bitumastic Coating, Add* | *20.50* | |
| | | *For Epoxy Coating, Add* | *39.18* | |
| 33 05 61 00-0017 | VLF | Drop Collar For 4' Diameter, Precast Concrete Manhole | 544.32 | 96.85 |
| 33 05 61 00-0018 | EA | Drop Base For 4' Diameter, Precast Concrete Manhole | 920.71 | 96.85 |
| 33 05 61 00-0019 | EA | Extended Base Slab For 4' Diameter, Precast Concrete Manhole | 718.58 | 96.85 |
| 33 05 61 00-0020 | EA | Precast Channel For 4' Diameter, Precast Concrete Manhole | 1,062.88 | 96.85 |

33 05 61 00-0021 5' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

| | | | | |
|---|---|---|---|---|
| 33 05 61 00-0022 | EA | 4' Deep, 5' Diameter, Precast Concrete Manhole | 5,033.30 | 410.85 |
| | | *For Bitumastic Coating, Add* | *105.68* | |
| | | *For Epoxy Coating, Add* | *252.67* | |
| 33 05 61 00-0023 | EA | 6' Deep, 5' Diameter, Precast Concrete Manhole | 6,701.64 | 563.45 |
| | | *For Bitumastic Coating, Add* | *158.51* | |
| | | *For Epoxy Coating, Add* | *379.00* | |
| 33 05 61 00-0024 | EA | 8' Deep, 5' Diameter, Precast Concrete Manhole | 8,631.26 | 845.18 |
| | | *For Bitumastic Coating, Add* | *211.35* | |
| | | *For Epoxy Coating, Add* | *505.33* | |
| 33 05 61 00-0025 | VLF | Riser For 5' Diameter, Precast Concrete Manhole<br>Note: For depths greater than 8'. | 894.71 | 105.65 |
| | | *For Bitumastic Coating, Add* | *26.42* | |
| | | *For Epoxy Coating, Add* | *63.17* | |

33 05 61 00-0026 6' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

| | | | | |
|---|---|---|---|---|
| 33 05 61 00-0027 | EA | 4' Deep, 6' Diameter, Precast Concrete Manhole | 6,765.12 | 457.81 |
| | | *For Bitumastic Coating, Add* | *120.98* | |
| | | *For Epoxy Coating, Add* | *295.81* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 61 00-0028 | EA | 6' Deep, 6' Diameter, Precast Concrete Manhole | 8,807.76 | 622.15 |
| | | *For Bitumastic Coating, Add* | *181.48* | |
| | | *For Epoxy Coating, Add* | *443.71* | |
| 33 05 61 00-0029 | EA | 8' Deep, 6' Diameter, Precast Concrete Manhole | 11,142.96 | 939.09 |
| | | *For Bitumastic Coating, Add* | *241.97* | |
| | | *For Epoxy Coating, Add* | *591.61* | |
| 33 05 61 00-0030 | VLF | Riser For 6' Diameter, Precast Concrete Manhole | 1,088.12 | 117.38 |
| | | Note: For depths greater than 8'. | | |
| | | *For Bitumastic Coating, Add* | *30.25* | |
| | | *For Epoxy Coating, Add* | *73.95* | |
| **33 05 61 00-0031** | | **7' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)* | | |
| 33 05 61 00-0032 | EA | 4' Deep, 7' Diameter, Precast Concrete Manhole | 10,691.93 | 504.76 |
| | | *For Bitumastic Coating, Add* | *257.28* | |
| | | *For Epoxy Coating, Add* | *516.90* | |
| 33 05 61 00-0033 | EA | 6' Deep, 7' Diameter, Precast Concrete Manhole | 13,821.86 | 688.47 |
| | | *For Bitumastic Coating, Add* | *385.91* | |
| | | *For Epoxy Coating, Add* | *775.35* | |
| 33 05 61 00-0034 | EA | 8' Deep, 7' Diameter, Precast Concrete Manhole | 17,273.43 | 1,033.00 |
| | | *For Bitumastic Coating, Add* | *514.55* | |
| | | *For Epoxy Coating, Add* | *1,033.80* | |
| 33 05 61 00-0035 | VLF | Riser For 7' Diameter, Precast Concrete Manhole | 1,639.50 | 129.12 |
| | | Note: For depths greater than 8'. | | |
| | | *For Bitumastic Coating, Add* | *64.32* | |
| | | *For Epoxy Coating, Add* | *129.22* | |
| **33 05 61 00-0036** | | **8' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)* | | |
| 33 05 61 00-0037 | EA | 4' Deep, 8' Diameter, Precast Concrete Manhole | 15,491.73 | 581.07 |
| | | *For Bitumastic Coating, Add* | *304.16* | |
| | | *For Epoxy Coating, Add* | *630.05* | |
| 33 05 61 00-0038 | EA | 6' Deep, 8' Diameter, Precast Concrete Manhole | 20,082.46 | 792.36 |
| | | *For Bitumastic Coating, Add* | *456.23* | |
| | | *For Epoxy Coating, Add* | *945.08* | |
| 33 05 61 00-0039 | EA | 8' Deep, 8' Diameter, Precast Concrete Manhole | 25,042.94 | 1,188.54 |
| | | *For Bitumastic Coating, Add* | *608.31* | |
| | | *For Epoxy Coating, Add* | *1,260.11* | |
| 33 05 61 00-0040 | VLF | Riser For 8' Diameter, Precast Concrete Manhole | 2,377.53 | 146.73 |
| | | Note: For depths greater than 8'. | | |
| | | *For Bitumastic Coating, Add* | *76.04* | |
| | | *For Epoxy Coating, Add* | *157.51* | |
| **33 05 61 00-0041** | | **10' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)* | | |
| 33 05 61 00-0042 | EA | 4' Deep, 10' Diameter, Precast Concrete Manhole | 24,003.86 | 667.93 |
| | | *For Bitumastic Coating, Add* | *537.77* | |
| | | *For Epoxy Coating, Add* | *1,065.80* | |
| 33 05 61 00-0043 | EA | 6' Deep, 10' Diameter, Precast Concrete Manhole | 30,334.70 | 910.92 |
| | | *For Bitumastic Coating, Add* | *806.66* | |
| | | *For Epoxy Coating, Add* | *1,598.71* | |
| 33 05 61 00-0044 | EA | 8' Deep, 10' Diameter, Precast Concrete Manhole | 37,089.28 | 1,366.38 |
| | | *For Bitumastic Coating, Add* | *1,075.55* | |
| | | *For Epoxy Coating, Add* | *2,131.61* | |
| 33 05 61 00-0045 | VLF | Riser For 10' Diameter, Precast Concrete Manhole | 3,259.03 | 169.04 |
| | | Note: For depths greater than 8'. | | |
| | | *For Bitumastic Coating, Add* | *134.44* | |
| | | *For Epoxy Coating, Add* | *266.45* | |
| **33 05 61 00-0046** | | **12' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)* | | |
| 33 05 61 00-0047 | EA | 4' Deep, 12' Diameter, Precast Concrete Manhole | 34,132.89 | 767.71 |
| | | *For Bitumastic Coating, Add* | *644.84* | |
| | | *For Epoxy Coating, Add* | *1,289.77* | |
| 33 05 61 00-0048 | EA | 6' Deep, 12' Diameter, Precast Concrete Manhole | 43,080.36 | 1,048.26 |
| | | *For Bitumastic Coating, Add* | *967.26* | |
| | | *For Epoxy Coating, Add* | *1,934.65* | |
| 33 05 61 00-0049 | EA | 8' Deep, 12' Diameter, Precast Concrete Manhole | 52,516.15 | 1,571.80 |
| | | *For Bitumastic Coating, Add* | *1,289.68* | |
| | | *For Epoxy Coating, Add* | *2,579.53* | |
| 33 05 61 00-0050 | VLF | Riser For 12' Diameter, Precast Concrete Manhole | 4,582.31 | 193.69 |
| | | Note: For depths greater than 8'. | | |
| | | *For Bitumastic Coating, Add* | *161.21* | |
| | | *For Epoxy Coating, Add* | *322.44* | |

## 33 05 63 Concrete Vaults and Chambers *(33 05)*

33 05 63 00-0001 Underground Utility Vaults And Structures *(33 05 63)*
See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault *(33 05 63 00-0001)*
Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 63 00-0004 | EA | 4' x 4' x 6' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 3,669.83 | |
| 33 05 63 00-0005 | EA | 4' x 6' x 6' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 4,783.67 | |
| 33 05 63 00-0006 | EA | 5' x 10' x 6' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 7,891.95 | |
| 33 05 63 00-0007 | EA | 5' x 12' x 6' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 9,112.53 | |
| 33 05 63 00-0008 | EA | 6' x 6' x 6' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 6,113.31 | |
| 33 05 63 00-0009 | EA | 6' x 8' x 6' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 7,441.74 | |
| 33 05 63 00-0010 | EA | 6' x 10' x 6' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 8,771.38 | |
| 33 05 63 00-0011 | EA | 6' x 12' x 6' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 12,672.98 | |
| 33 05 63 00-0012 | EA | 6' x 14' x 6' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 12,672.98 | |
| 33 05 63 00-0013 | EA | 6' x 16' x 6' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 15,957.26 | |
| 33 05 63 00-0014 | EA | 8' x 8' x 6' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 8,987.21 | |
| 33 05 63 00-0015 | EA | 8' x 10' x 6' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 10,531.50 | |
| 33 05 63 00-0016 | EA | 8' x 12' x 6' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 15,053.88 | |
| 33 05 63 00-0017 | EA | 8' x 14' x 6' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 16,943.08 | |

## 33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

| | | | | |
|---|---|---|---|---|
| 33 05 63 00-0019 | EA | 4' x 4' x 7' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 4,160.05 | |
| 33 05 63 00-0020 | EA | 4' x 6' x 7' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 5,401.69 | |
| 33 05 63 00-0021 | EA | 4' x 8' x 7' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 6,451.74 | |
| 33 05 63 00-0022 | EA | 5' x 10' x 7' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 8,584.79 | |
| 33 05 63 00-0023 | EA | 5' x 12' x 7' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 9,898.51 | |
| 33 05 63 00-0024 | EA | 6' x 6' x 7' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 6,865.50 | |
| 33 05 63 00-0025 | EA | 6' x 8' x 7' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 8,089.20 | |
| 33 05 63 00-0026 | EA | 6' x 10' x 7' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 9,793.16 | |
| 33 05 63 00-0027 | EA | 6' x 12' x 7' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 13,781.48 | |
| 33 05 63 00-0028 | EA | 6' x 16' x 7' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 17,312.23 | |
| 33 05 63 00-0029 | EA | 8' x 8' x 7' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 9,726.59 | |
| 33 05 63 00-0030 | EA | 8' x 10' x 7' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 11,362.88 | |
| 33 05 63 00-0031 | EA | 8' x 12' x 7' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 16,286.29 | |
| 33 05 63 00-0032 | EA | 8' x 14' x 7' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 18,296.87 | |
| 33 05 63 00-0033 | EA | 10' x 10' x 7' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 16,531.87 | |

## 33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

| | | | | |
|---|---|---|---|---|
| 33 05 63 00-0035 | EA | 4' x 4' x 8' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 4,409.23 | |
| 33 05 63 00-0036 | EA | 4' x 6' x 8' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 5,708.21 | |
| 33 05 63 00-0037 | EA | 5' x 10' x 8' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 9,277.61 | |
| 33 05 63 00-0038 | EA | 5' x 12' x 8' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 10,683.31 | |
| 33 05 63 00-0039 | EA | 6' x 6' x 8' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 7,221.82 | |
| 33 05 63 00-0040 | EA | 6' x 8' x 8' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 8,735.44 | |
| 33 05 63 00-0041 | EA | 6' x 10' x 8' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 10,249.07 | |
| 33 05 63 00-0042 | EA | 6' x 12' x 8' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 14,889.95 | |
| 33 05 63 00-0043 | EA | 6' x 16' x 8' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 18,667.26 | |
| 33 05 63 00-0044 | EA | 8' x 8' x 8' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 10,464.83 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 63 00-0045 | EA | 8' x 10' x 8' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 12,194.25 | |
| 33 05 63 00-0046 | EA | 8' x 12' x 8' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 17,517.44 | |
| 33 05 63 00-0047 | EA | 8' x 14' x 8' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 19,651.90 | |
| 33 05 63 00-0048 | EA | 10' x 10' x 8' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 17,763.91 | |
| 33 05 63 00-0049 | | 10' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)* | | |
| 33 05 63 00-0050 | EA | 6' x 6' x 10' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 7,776.10 | |
| 33 05 63 00-0051 | EA | 6' x 8' x 10' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 9,381.67 | |
| 33 05 63 00-0052 | EA | 10' x 10' x 10' Precast Concrete Underground Utility Vault<br>Note: 8" thick walls and top. | 18,995.00 | |
| 33 05 63 00-0053 | | 12' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)* | | |
| 33 05 63 00-0054 | EA | 6' x 6' x 12' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 8,330.36 | |
| 33 05 63 00-0055 | EA | 6' x 8' x 12' Precast Concrete Underground Utility Vault<br>Note: 6" thick walls and 8" thick top. | 10,029.10 | |
| 33 05 63 00-0056 | | Meter Pit *(33 05 63 00-0001)* | | |
| 33 05 63 00-0057 | | Precast Concrete Meter Pit *(33 05 63 00-0056)* | | |
| 33 05 63 00-0058 | EA | 4' x 4' x 4' Deep Precast Concrete Meter Pit | 3,721.21 | |
| 33 05 63 00-0059 | EA | 4' x 4' x 6' Deep Precast Concrete Meter Pit | 5,049.62 | |
| 33 05 63 00-0060 | EA | 4' x 4' x 8' Deep Precast Concrete Meter Pit | 6,345.38 | |
| 33 05 63 00-0061 | EA | 4' x 4' x 10' Deep Precast Concrete Meter Pit | 7,865.00 | |
| 33 05 63 00-0062 | EA | 4' x 4' x 15' Deep Precast Concrete Meter Pit | 10,881.28 | |
| 33 05 63 00-0063 | EA | 6' x 6' x 4' Deep Precast Concrete Meter Pit | 5,646.34 | |
| 33 05 63 00-0064 | EA | 6' x 6' x 6' Deep Precast Concrete Meter Pit | 7,865.00 | |
| 33 05 63 00-0065 | EA | 6' x 6' x 8' Deep Precast Concrete Meter Pit | 10,138.77 | |
| 33 05 63 00-0066 | EA | 6' x 6' x 10' Deep Precast Concrete Meter Pit | 12,648.25 | |
| 33 05 63 00-0067 | EA | 6' x 6' x 15' Deep Precast Concrete Meter Pit | 18,011.12 | |
| 33 05 63 00-0068 | | Handhole Or Pull Box Enclosures *(33 05 63 00-0001)* | | |
| 33 05 63 00-0069 | | Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)* | | |
| 33 05 63 00-0070 | | Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)*<br>Note: Excludes cover See CSI section 33 05 63 00-0290 for covers. | | |
| 33 05 63 00-0071 | | Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)* | | |
| 33 05 63 00-0072 | | Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)* | | |
| 33 05 63 00-0073 | EA | 12" x 12", 24" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 400.31 | 26.89 |
| 33 05 63 00-0074 | EA | 10" x 15", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 339.21 | 59.72 |
| 33 05 63 00-0075 | EA | 13" x 24", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 518.18 | 89.59 |
| 33 05 63 00-0076 | EA | 17" x 30", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 604.88 | 89.59 |
| 33 05 63 00-0077 | EA | 13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 576.23 | 89.59 |
| 33 05 63 00-0078 | EA | 13" x 24", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 701.28 | 89.59 |
| 33 05 63 00-0079 | EA | 17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 682.41 | 89.59 |
| 33 05 63 00-0080 | EA | 17" x 30", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 935.62 | 89.59 |
| 33 05 63 00-0081 | EA | 27" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 1,330.27 | 119.45 |
| 33 05 63 00-0082 | EA | 27" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 1,875.20 | 119.45 |
| 33 05 63 00-0083 | EA | 24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 1,197.88 | 164.24 |
| 33 05 63 00-0084 | EA | 24" x 36", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 1,368.53 | 164.24 |
| 33 05 63 00-0085 | EA | 24" x 36", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 2,256.28 | 164.24 |
| 33 05 63 00-0086 | EA | 39" Round, 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 1,278.52 | 179.17 |
| 33 05 63 00-0087 | EA | 39" Round, 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 1,837.50 | 179.17 |
| 33 05 63 00-0088 | EA | 39" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 2,294.62 | 179.17 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 63 00-0089 | EA | 39" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 3,375.79 | 179.17 |
| 33 05 63 00-0090 | EA | 30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 1,830.25 | 267.33 |
| 33 05 63 00-0091 | EA | 30" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 2,671.55 | 267.33 |
| 33 05 63 00-0092 | | Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)* | | |
| 33 05 63 00-0093 | EA | 12" x 12", 24" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 513.58 | 26.89 |
| 33 05 63 00-0094 | EA | 13" x 24", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 653.08 | 89.59 |
| 33 05 63 00-0095 | EA | 17" x 30", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 792.65 | 89.59 |
| 33 05 63 00-0096 | EA | 13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 730.18 | 89.59 |
| 33 05 63 00-0097 | EA | 13" x 24", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 837.05 | 89.59 |
| 33 05 63 00-0098 | EA | 17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 865.08 | 89.59 |
| 33 05 63 00-0099 | EA | 17" x 30", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 1,119.86 | 89.59 |
| 33 05 63 00-0100 | EA | 24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 1,484.75 | 164.24 |
| 33 05 63 00-0101 | EA | 24" x 36", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 1,655.40 | 164.24 |
| 33 05 63 00-0102 | EA | 24" x 36", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 2,543.18 | 164.24 |
| 33 05 63 00-0103 | EA | 30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 2,165.48 | 267.33 |
| 33 05 63 00-0104 | EA | 30" x 48", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 3,013.18 | 267.33 |
| 33 05 63 00-0105 | | Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)* | | |
| 33 05 63 00-0106 | | Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)* | | |
| 33 05 63 00-0107 | EA | 5" x 16", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 659.34 | 26.89 |
| 33 05 63 00-0108 | EA | 10" x 12", 15" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 556.82 | 26.89 |
| 33 05 63 00-0109 | EA | 13" x 24", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 442.52 | 89.59 |
| 33 05 63 00-0110 | EA | 17" x 30", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 503.01 | 89.59 |
| 33 05 63 00-0111 | EA | 6" x 8", 6" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 151.86 | 26.89 |
| 33 05 63 00-0112 | EA | 12" x 12", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 237.59 | 26.89 |
| 33 05 63 00-0113 | EA | 8" x 18", 7" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 386.39 | 26.89 |
| 33 05 63 00-0114 | EA | 8" x 18", 8" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 404.40 | 26.89 |
| 33 05 63 00-0115 | EA | 11" x 18", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 332.93 | 59.72 |
| 33 05 63 00-0116 | EA | 11" x 18", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 360.55 | 59.72 |
| 33 05 63 00-0117 | EA | 8" x 8", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 233.91 | 26.89 |
| 33 05 63 00-0118 | EA | 8" x 8", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 267.65 | 26.89 |
| 33 05 63 00-0119 | EA | 11" x 18", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 357.68 | 59.72 |
| 33 05 63 00-0120 | EA | 11" x 18", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 404.12 | 59.72 |
| 33 05 63 00-0121 | EA | 11" x 20", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 374.06 | 59.72 |
| 33 05 63 00-0122 | EA | 13" x 24", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 445.33 | 89.59 |
| 33 05 63 00-0123 | EA | 13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 490.88 | 89.59 |
| 33 05 63 00-0124 | EA | 17" x 30", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 524.76 | 89.59 |
| 33 05 63 00-0125 | EA | 17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 575.77 | 89.59 |
| 33 05 63 00-0126 | EA | 17" x 30", 22" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 677.51 | 89.59 |
| 33 05 63 00-0127 | EA | 17" x 30", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 739.22 | 89.59 |
| 33 05 63 00-0128 | EA | 17" x 30", 28" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 806.75 | 89.59 |
| 33 05 63 00-0129 | EA | 17" x 30", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 849.21 | 89.59 |
| 33 05 63 00-0130 | EA | 24" x 24", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,010.17 | 119.45 |
| 33 05 63 00-0131 | EA | 24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,013.02 | 164.24 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 63 00-0132 | EA | 24" x 36", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,308.77 | 164.24 |
| 33 05 63 00-0133 | EA | 24" x 36", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,581.86 | 164.24 |
| 33 05 63 00-0134 | EA | 24" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,754.32 | 164.24 |
| 33 05 63 00-0135 | EA | 24" x 36", 42" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,925.87 | 164.24 |
| 33 05 63 00-0136 | EA | 36" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,158.47 | 267.33 |
| 33 05 63 00-0137 | EA | 30" x 48", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,553.88 | 267.33 |
| 33 05 63 00-0138 | EA | 30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,772.92 | 267.33 |
| 33 05 63 00-0139 | EA | 30" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,191.77 | 267.33 |
| 33 05 63 00-0140 | EA | 30" x 60", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,187.47 | 267.33 |
| 33 05 63 00-0141 | EA | 30" x 60", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,343.82 | 267.33 |
| 33 05 63 00-0142 | EA | 30" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,644.50 | 267.33 |
| 33 05 63 00-0143 | EA | 36" x 60", 19" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,422.61 | 286.43 |
| 33 05 63 00-0144 | EA | 36" x 60", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,634.90 | 286.43 |
| 33 05 63 00-0145 | EA | 36" x 60", 31" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,905.93 | 286.43 |
| 33 05 63 00-0146 | EA | 36" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 3,014.38 | 286.43 |
| 33 05 63 00-0147 | EA | 48" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 3,052.08 | 286.43 |
| 33 05 63 00-0148 | EA | 48" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 3,465.05 | 286.43 |
| 33 05 63 00-0149 | EA | 36" x 72", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,663.04 | 286.43 |
| 33 05 63 00-0150 | EA | 36" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 3,533.21 | 286.43 |
| 33 05 63 00-0151 | EA | 48" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 3,980.99 | 305.52 |
| 33 05 63 00-0152 | EA | 48" x 72", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 4,927.77 | 305.52 |
| 33 05 63 00-0153 | EA | 48" x 96", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 6,338.76 | 305.52 |
| **33 05 63 00-0154** | | **Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)* | | |
| 33 05 63 00-0155 | EA | 13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 599.57 | 89.59 |
| 33 05 63 00-0156 | EA | 17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 689.31 | 89.59 |
| 33 05 63 00-0157 | EA | 6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 259.42 | 26.89 |
| 33 05 63 00-0158 | EA | 12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 376.59 | 26.89 |
| 33 05 63 00-0159 | EA | 8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 506.11 | 26.89 |
| 33 05 63 00-0160 | EA | 8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 524.14 | 26.89 |
| 33 05 63 00-0161 | EA | 10" x 15", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure | 450.86 | 59.72 |
| 33 05 63 00-0162 | EA | 11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 470.08 | 59.72 |
| 33 05 63 00-0163 | EA | 11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 495.78 | 59.72 |
| 33 05 63 00-0164 | EA | 8" x 8", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 351.19 | 26.89 |
| 33 05 63 00-0165 | EA | 8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 415.69 | 26.89 |
| 33 05 63 00-0166 | EA | 11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 495.16 | 59.72 |
| 33 05 63 00-0167 | EA | 11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 541.60 | 59.72 |
| 33 05 63 00-0168 | EA | 11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 513.00 | 59.72 |
| 33 05 63 00-0169 | EA | 13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 598.71 | 89.59 |
| 33 05 63 00-0170 | EA | 13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 644.82 | 89.59 |
| 33 05 63 00-0171 | EA | 17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 707.78 | 89.59 |
| 33 05 63 00-0172 | EA | 17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 758.47 | 89.59 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 63 00-0173 | EA | 17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 859.91 | 89.59 |
| 33 05 63 00-0174 | EA | 17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 921.89 | 89.59 |
| 33 05 63 00-0175 | EA | 17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 989.13 | 89.59 |
| 33 05 63 00-0176 | EA | 17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,031.89 | 89.59 |
| 33 05 63 00-0177 | EA | 24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,262.51 | 119.45 |
| 33 05 63 00-0178 | EA | 24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,299.91 | 164.24 |
| 33 05 63 00-0179 | EA | 24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,595.32 | 164.24 |
| 33 05 63 00-0180 | EA | 24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,868.11 | 164.24 |
| 33 05 63 00-0181 | EA | 24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,040.30 | 164.24 |
| 33 05 63 00-0182 | EA | 24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,212.41 | 164.24 |
| 33 05 63 00-0183 | EA | 30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,885.95 | 267.33 |
| 33 05 63 00-0184 | EA | 30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,105.31 | 267.33 |
| 33 05 63 00-0185 | EA | 30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,523.84 | 267.33 |

## 33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

| | | | | |
|---|---|---|---|---|
| 33 05 63 00-0187 | EA | 13" x 24", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 549.42 | 89.59 |
| 33 05 63 00-0188 | EA | 17" x 30", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 641.65 | 89.59 |
| 33 05 63 00-0189 | EA | 6" x 8", 6" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 190.86 | 26.89 |
| 33 05 63 00-0190 | EA | 12" x 12", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 316.39 | 26.89 |
| 33 05 63 00-0191 | EA | 8" x 18", 7" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 456.01 | 26.89 |
| 33 05 63 00-0192 | EA | 8" x 18", 8" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 474.37 | 26.89 |
| 33 05 63 00-0193 | EA | 11" x 18", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 417.88 | 59.72 |
| 33 05 63 00-0194 | EA | 11" x 18", 18" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 471.33 | 59.72 |
| 33 05 63 00-0195 | EA | 8" x 8", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 276.42 | 26.89 |
| 33 05 63 00-0196 | EA | 11" x 18", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 444.14 | 59.72 |
| 33 05 63 00-0197 | EA | 11" x 18", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 510.73 | 59.72 |
| 33 05 63 00-0198 | EA | 11" x 20", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 461.45 | 59.72 |
| 33 05 63 00-0199 | EA | 13" x 24", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 591.64 | 89.59 |
| 33 05 63 00-0200 | EA | 13" x 24", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 682.68 | 89.59 |
| 33 05 63 00-0201 | EA | 17" x 30", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 712.95 | 89.59 |
| 33 05 63 00-0202 | EA | 17" x 30", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 785.04 | 89.59 |
| 33 05 63 00-0203 | EA | 17" x 30", 22" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 851.35 | 89.59 |
| 33 05 63 00-0204 | EA | 17" x 30", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 913.96 | 89.59 |
| 33 05 63 00-0205 | EA | 17" x 30", 28" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,026.06 | 89.59 |
| 33 05 63 00-0206 | EA | 17" x 30", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,041.69 | 89.59 |
| 33 05 63 00-0207 | EA | 24" x 24", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,282.07 | 119.45 |
| 33 05 63 00-0208 | EA | 24" x 36", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,325.26 | 164.24 |
| 33 05 63 00-0209 | EA | 24" x 36", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,651.50 | 164.24 |
| 33 05 63 00-0210 | EA | 24" x 36", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,974.15 | 164.24 |
| 33 05 63 00-0211 | EA | 24" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,188.45 | 164.24 |
| 33 05 63 00-0212 | EA | 24" x 36", 42" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,402.75 | 164.24 |
| 33 05 63 00-0213 | EA | 36" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,557.74 | 267.33 |
| 33 05 63 00-0214 | EA | 30" x 48", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,953.18 | 267.33 |
| 33 05 63 00-0215 | EA | 30" x 48", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,189.31 | 267.33 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 63 00-0216 | EA | 30" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,607.87 | 267.33 |
| 33 05 63 00-0217 | EA | 30" x 60", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,792.49 | 267.33 |
| 33 05 63 00-0218 | EA | 30" x 60", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,850.30 | 267.33 |
| 33 05 63 00-0219 | EA | 30" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 3,411.16 | 267.33 |
| 33 05 63 00-0220 | EA | 36" x 60", 19" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 3,156.55 | 286.43 |
| 33 05 63 00-0221 | EA | 36" x 60", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 3,266.24 | 286.43 |
| 33 05 63 00-0222 | EA | 36" x 60", 31" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 3,577.40 | 286.43 |
| 33 05 63 00-0223 | EA | 36" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 3,812.91 | 286.43 |
| 33 05 63 00-0224 | EA | 36" x 72", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 3,498.12 | 286.43 |
| 33 05 63 00-0225 | EA | 36" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 4,340.37 | 286.43 |
| 33 05 63 00-0226 | EA | 48" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 3,760.35 | 286.43 |
| 33 05 63 00-0227 | EA | 48" x 48", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 4,138.26 | 286.43 |
| 33 05 63 00-0228 | EA | 48" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 5,020.48 | 305.52 |
| 33 05 63 00-0229 | EA | 48" x 72", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 5,967.64 | 305.52 |
| 33 05 63 00-0230 | EA | 48" x 96", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 8,069.55 | 305.52 |
| **33 05 63 00-0231** | | **Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)* | | |
| 33 05 63 00-0232 | EA | 13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 706.45 | 89.59 |
| 33 05 63 00-0233 | EA | 17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 828.31 | 89.59 |
| 33 05 63 00-0234 | EA | 6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 297.55 | 26.89 |
| 33 05 63 00-0235 | EA | 12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 455.12 | 26.89 |
| 33 05 63 00-0236 | EA | 8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 575.48 | 26.89 |
| 33 05 63 00-0237 | EA | 8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 594.08 | 26.89 |
| 33 05 63 00-0238 | EA | 11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 555.36 | 59.72 |
| 33 05 63 00-0239 | EA | 11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 608.48 | 59.72 |
| 33 05 63 00-0240 | EA | 8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 428.88 | 26.89 |
| 33 05 63 00-0241 | EA | 11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 581.00 | 59.72 |
| 33 05 63 00-0242 | EA | 11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 647.59 | 59.72 |
| 33 05 63 00-0243 | EA | 11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 561.15 | 59.72 |
| 33 05 63 00-0244 | EA | 13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 745.64 | 89.59 |
| 33 05 63 00-0245 | EA | 13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 836.68 | 89.59 |
| 33 05 63 00-0246 | EA | 17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 895.63 | 89.59 |
| 33 05 63 00-0247 | EA | 17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 967.74 | 89.59 |
| 33 05 63 00-0248 | EA | 17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,034.03 | 89.59 |
| 33 05 63 00-0249 | EA | 17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,096.66 | 89.59 |
| 33 05 63 00-0250 | EA | 17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,208.79 | 89.59 |
| 33 05 63 00-0251 | EA | 17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,224.36 | 89.59 |
| 33 05 63 00-0252 | EA | 24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,534.09 | 119.45 |
| 33 05 63 00-0253 | EA | 24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,612.13 | 164.24 |
| 33 05 63 00-0254 | EA | 24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 1,938.08 | 164.24 |
| 33 05 63 00-0255 | EA | 24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,260.37 | 164.24 |
| 33 05 63 00-0256 | EA | 24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,474.83 | 164.24 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 63 00-0257 | EA | 24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,689.30 | 164.24 |
| 33 05 63 00-0258 | EA | 30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,285.55 | 267.33 |
| 33 05 63 00-0259 | EA | 30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,522.00 | 267.33 |
| 33 05 63 00-0260 | EA | 30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure | 2,940.26 | 267.33 |
| **33 05 63 00-0261** | | **Footed, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)* | | |
| 33 05 63 00-0262 | EA | 17" x 30", 12" Depth, 5,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure | 587.71 | 89.59 |
| 33 05 63 00-0263 | EA | 11" x 18", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure | 397.08 | 59.72 |
| 33 05 63 00-0264 | EA | 11" x 18", 18" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure | 448.42 | 59.72 |
| 33 05 63 00-0265 | EA | 13" x 24", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure | 521.07 | 89.59 |
| 33 05 63 00-0266 | EA | 11" x 18", 12" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure | 413.90 | 59.72 |
| 33 05 63 00-0267 | EA | 11" x 18", 18" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure | 463.07 | 59.72 |
| **33 05 63 00-0268** | | **Polymer Concrete Handhole Enclosure Extensions** *(33 05 63 00-0069)* | | |
| | | Note: Excludes bases See CSI section 33 05 63 00-0070 for bases. | | |
| 33 05 63 00-0269 | EA | 13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension | 425.49 | 89.59 |
| 33 05 63 00-0270 | EA | 17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension | 478.99 | 89.59 |
| 33 05 63 00-0271 | EA | 24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension | 547.07 | 119.45 |
| 33 05 63 00-0272 | EA | 24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension | 599.60 | 119.45 |
| 33 05 63 00-0273 | EA | 24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension | 706.67 | 164.24 |
| 33 05 63 00-0274 | EA | 36" x 36", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension | 1,242.26 | 267.33 |
| 33 05 63 00-0275 | EA | 30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension | 1,184.83 | 267.33 |
| 33 05 63 00-0276 | EA | 30" x 48", 11" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension | 1,197.36 | 267.33 |
| 33 05 63 00-0277 | EA | 36" x 60", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension | 1,629.09 | 286.43 |
| 33 05 63 00-0278 | EA | 48" x 72", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension | 2,613.70 | 305.52 |
| 33 05 63 00-0279 | EA | 48" x 96", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension | 3,448.00 | 305.52 |
| 33 05 63 00-0280 | EA | 13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension | 706.24 | 89.59 |
| 33 05 63 00-0281 | EA | 17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension | 738.92 | 89.59 |
| 33 05 63 00-0282 | EA | 24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension | 786.55 | 119.45 |
| 33 05 63 00-0283 | EA | 24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension | 839.65 | 119.45 |
| 33 05 63 00-0284 | EA | 24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension | 969.34 | 164.24 |
| 33 05 63 00-0285 | EA | 30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension | 1,556.02 | 267.33 |
| 33 05 63 00-0286 | EA | 13" x 24", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension | 546.45 | 89.59 |
| 33 05 63 00-0287 | EA | 17" x 30", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension | 610.92 | 89.59 |
| 33 05 63 00-0288 | EA | 24" x 36", 4" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension | 799.18 | 164.24 |
| 33 05 63 00-0289 | EA | 36" x 60", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension | 1,567.60 | 286.43 |
| **33 05 63 00-0290** | | **Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0069)* | | |
| **33 05 63 00-0291** | | **Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)* | | |
| 33 05 63 00-0292 | EA | 5" x 16", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 154.88 | 11.96 |
| 33 05 63 00-0293 | EA | 10" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 156.94 | 11.96 |
| 33 05 63 00-0294 | EA | 12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 145.16 | 11.96 |
| 33 05 63 00-0295 | EA | 8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 157.34 | 11.96 |
| 33 05 63 00-0296 | EA | 11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 158.91 | 11.94 |
| 33 05 63 00-0297 | EA | 13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 182.90 | 11.94 |
| 33 05 63 00-0298 | EA | 17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 212.57 | 11.94 |
| 33 05 63 00-0299 | EA | 30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 1,407.99 | 34.37 |
| 33 05 63 00-0300 | EA | 30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 1,231.03 | 34.37 |
| 33 05 63 00-0301 | EA | 36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 1,847.40 | 34.37 |
| 33 05 63 00-0302 | EA | 48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 1,868.41 | 34.37 |
| 33 05 63 00-0303 | EA | 36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 2,117.81 | 34.37 |
| 33 05 63 00-0304 | EA | 48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 2,308.31 | 34.37 |
| 33 05 63 00-0305 | EA | 48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 3,714.77 | 34.37 |
| 33 05 63 00-0306 | EA | 10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 132.07 | 11.94 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 63 00-0307 | EA | 11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 190.97 | 11.94 |
| 33 05 63 00-0308 | EA | 11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 193.70 | 11.94 |
| 33 05 63 00-0309 | EA | 13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 244.74 | 11.94 |
| 33 05 63 00-0310 | EA | 13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover | 183.65 | 11.94 |
| 33 05 63 00-0311 | EA | 17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 290.26 | 11.94 |
| 33 05 63 00-0312 | EA | 17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover | 227.03 | 11.94 |
| 33 05 63 00-0313 | EA | 27" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 470.15 | 11.94 |
| 33 05 63 00-0314 | EA | 24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 409.45 | 17.92 |
| 33 05 63 00-0315 | EA | 24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 514.68 | 17.92 |
| 33 05 63 00-0316 | EA | 39" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 664.09 | 20.90 |
| 33 05 63 00-0317 | EA | 36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 932.63 | 26.73 |
| 33 05 63 00-0318 | EA | 30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover | 968.32 | 50.92 |
| 33 05 63 00-0319 | EA | 11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 247.80 | 11.94 |
| 33 05 63 00-0320 | EA | 13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 355.04 | 11.94 |
| 33 05 63 00-0321 | EA | 17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 404.54 | 11.94 |
| 33 05 63 00-0322 | EA | 27" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 675.32 | 11.94 |
| 33 05 63 00-0323 | EA | 24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 554.10 | 17.92 |
| 33 05 63 00-0324 | EA | 39" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 939.62 | 20.90 |
| 33 05 63 00-0325 | EA | 36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 1,231.09 | 26.73 |
| 33 05 63 00-0326 | EA | 30" x 59", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 1,661.69 | 34.37 |
| 33 05 63 00-0327 | EA | 30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 1,476.29 | 34.37 |
| 33 05 63 00-0328 | EA | 36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 2,065.87 | 34.37 |
| 33 05 63 00-0329 | EA | 48" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 2,692.90 | 34.37 |
| 33 05 63 00-0330 | EA | 36" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 2,578.52 | 34.37 |
| 33 05 63 00-0331 | EA | 48" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 3,918.97 | 34.37 |
| 33 05 63 00-0332 | EA | 48" x 96", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 6,058.46 | 34.37 |
| 33 05 63 00-0333 | EA | 11" x 18", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 327.25 | 11.94 |
| 33 05 63 00-0334 | EA | 11" x 20", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 358.23 | 11.94 |
| 33 05 63 00-0335 | EA | 13" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 472.96 | 11.94 |
| 33 05 63 00-0336 | EA | 17" x 30", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 539.55 | 11.94 |
| 33 05 63 00-0337 | EA | 27" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 935.52 | 11.94 |
| 33 05 63 00-0338 | EA | 24" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 676.72 | 17.92 |
| 33 05 63 00-0339 | EA | 24" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 927.41 | 17.92 |
| 33 05 63 00-0340 | EA | 39" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 1,440.22 | 20.90 |
| 33 05 63 00-0341 | EA | 36" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 1,646.56 | 26.73 |
| 33 05 63 00-0342 | EA | 30" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 1,712.20 | 50.92 |
| 33 05 63 00-0343 | EA | 30" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 1,980.90 | 34.37 |
| 33 05 63 00-0344 | EA | 36" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 2,769.18 | 34.37 |
| 33 05 63 00-0345 | EA | 48" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 3,877.95 | 34.37 |
| 33 05 63 00-0346 | EA | 36" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 3,459.50 | 34.37 |
| 33 05 63 00-0347 | EA | 48" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 5,739.28 | 34.37 |
| 33 05 63 00-0348 | EA | 48" x 96", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover | 8,863.76 | 34.37 |

## 33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets *(33 05 63 00-0290)*

| | | | | |
|---|---|---|---|---|
| 33 05 63 00-0350 | EA | 12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 178.47 | 11.96 |
| 33 05 63 00-0351 | EA | 8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 188.84 | 11.96 |
| 33 05 63 00-0352 | EA | 11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 192.21 | 11.94 |
| 33 05 63 00-0353 | EA | 13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 193.48 | 11.94 |
| 33 05 63 00-0354 | EA | 17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 223.89 | 11.94 |
| 33 05 63 00-0355 | EA | 10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 141.63 | 11.94 |
| 33 05 63 00-0356 | EA | 11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 200.77 | 11.94 |
| 33 05 63 00-0357 | EA | 11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 202.66 | 11.94 |
| 33 05 63 00-0358 | EA | 13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 254.84 | 11.94 |
| 33 05 63 00-0359 | EA | 13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket | 194.65 | 11.94 |
| 33 05 63 00-0360 | EA | 17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket | 238.65 | 11.94 |
| 33 05 63 00-0361 | EA | 17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 300.96 | 11.94 |
| 33 05 63 00-0362 | EA | 24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 416.63 | 17.92 |
| 33 05 63 00-0363 | EA | 24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 525.70 | 17.92 |
| 33 05 63 00-0364 | EA | 30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 979.64 | 50.92 |
| 33 05 63 00-0365 | EA | 6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 117.32 | 11.96 |
| 33 05 63 00-0366 | EA | 8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 185.59 | 11.96 |
| 33 05 63 00-0367 | EA | 8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 206.87 | 11.96 |
| 33 05 63 00-0368 | EA | 12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 197.42 | 11.96 |
| 33 05 63 00-0369 | EA | 10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 161.96 | 11.94 |
| 33 05 63 00-0370 | EA | 11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 257.58 | 11.94 |
| 33 05 63 00-0371 | EA | 11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 279.68 | 11.94 |
| 33 05 63 00-0372 | EA | 13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 365.43 | 11.94 |
| 33 05 63 00-0373 | EA | 17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 415.83 | 11.94 |
| 33 05 63 00-0374 | EA | 24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 564.20 | 17.92 |
| 33 05 63 00-0375 | EA | 24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 705.91 | 17.92 |
| 33 05 63 00-0376 | EA | 30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket | 1,292.75 | 50.92 |

## 33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts *(33 05 63 00-0290)*

| | | | | |
|---|---|---|---|---|
| 33 05 63 00-0378 | EA | 6" x 9", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 93.84 | 11.96 |
| 33 05 63 00-0379 | EA | 7" x 13", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 112.20 | 11.96 |
| 33 05 63 00-0380 | EA | 12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 136.93 | 11.96 |
| 33 05 63 00-0381 | EA | 8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 147.92 | 11.96 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 63 00-0382 | EA | 11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 147.61 | 11.94 |
| 33 05 63 00-0383 | EA | 13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 175.77 | 11.94 |
| 33 05 63 00-0384 | EA | 17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 203.45 | 11.94 |
| 33 05 63 00-0385 | EA | 24" x 36", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 496.64 | 17.92 |
| 33 05 63 00-0386 | EA | 30" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 927.11 | 50.92 |
| 33 05 63 00-0387 | EA | 30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 1,392.53 | 34.37 |
| 33 05 63 00-0388 | EA | 30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 1,213.57 | 34.37 |
| 33 05 63 00-0389 | EA | 48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 1,818.67 | 34.37 |
| 33 05 63 00-0390 | EA | 36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 1,754.68 | 34.37 |
| 33 05 63 00-0391 | EA | 36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 2,101.13 | 34.37 |
| 33 05 63 00-0392 | EA | 48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 2,246.67 | 34.37 |
| 33 05 63 00-0393 | EA | 48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 3,596.33 | 34.37 |
| 33 05 63 00-0394 | EA | 10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 126.84 | 11.94 |
| 33 05 63 00-0395 | EA | 10" x 16", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 123.78 | 11.94 |
| 33 05 63 00-0396 | EA | 11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 184.36 | 11.94 |
| 33 05 63 00-0397 | EA | 11" x 21", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 202.91 | 11.94 |
| 33 05 63 00-0398 | EA | 13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 230.09 | 11.94 |
| 33 05 63 00-0399 | EA | 13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts | 174.18 | 11.94 |
| 33 05 63 00-0400 | EA | 18" x 19", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 194.65 | 11.94 |
| 33 05 63 00-0401 | EA | 17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 277.43 | 11.94 |
| 33 05 63 00-0402 | EA | 24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 401.14 | 17.92 |
| 33 05 63 00-0403 | EA | 20" x 42", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 502.36 | 17.92 |
| 33 05 63 00-0404 | EA | 24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 496.34 | 17.92 |
| 33 05 63 00-0405 | EA | 36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 895.05 | 26.73 |
| 33 05 63 00-0406 | EA | 30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts | 927.11 | 30.55 |

### 33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

| | | | | |
|---|---|---|---|---|
| 33 05 63 00-0408 | EA | 30" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover | 1,450.18 | 34.37 |
| 33 05 63 00-0409 | EA | 36" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover | 2,103.27 | 34.37 |
| 33 05 63 00-0410 | EA | 30" x 48", 8,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover | 1,216.36 | 50.92 |
| 33 05 63 00-0411 | EA | 30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover | 1,615.04 | 50.92 |
| 33 05 63 00-0412 | EA | 30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover | 1,724.41 | 34.37 |
| 33 05 63 00-0413 | EA | 36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover | 2,352.96 | 34.37 |

### 33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

| | | | | |
|---|---|---|---|---|
| 33 05 63 00-0415 | EA | 24" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover | 564.39 | 17.92 |
| 33 05 63 00-0416 | EA | 36" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover | 1,050.26 | 26.73 |
| 33 05 63 00-0417 | EA | 30" x 48", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover | 1,097.57 | 50.92 |
| 33 05 63 00-0418 | EA | 6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover | 88.73 | 11.96 |
| 33 05 63 00-0419 | EA | 8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover | 148.90 | 11.96 |
| 33 05 63 00-0420 | EA | 12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover | 164.11 | 11.96 |
| 33 05 63 00-0421 | EA | 8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover | 174.19 | 11.96 |
| 33 05 63 00-0422 | EA | 10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover | 152.49 | 11.94 |
| 33 05 63 00-0423 | EA | 11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover | 270.71 | 11.94 |
| 33 05 63 00-0424 | EA | 24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover | 757.68 | 17.92 |
| 33 05 63 00-0425 | EA | 36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover | 1,398.85 | 26.73 |
| 33 05 63 00-0426 | EA | 30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover | 1,465.38 | 50.92 |

### 33 05 63 00-0427 Precast Concrete Handholes With Steel Cover *(33 05 63 00-0068)*

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

| | | | | |
|---|---|---|---|---|
| 33 05 63 00-0428 | EA | 12" x 12" x 12" Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 1,035.29 | 250.48 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *18.00* | |
| 33 05 63 00-0429 | EA | 12" x 24" x 21" Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 1,770.48 | 375.72 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *109.48* | |
| 33 05 63 00-0430 | EA | 18" x 30" x 18" Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 2,116.06 | 500.96 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *192.32* | |
| 33 05 63 00-0431 | EA | 24" x 24" x 24" Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 2,211.14 | 500.96 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *243.29* | |
| 33 05 63 00-0432 | EA | 24" x 24" x 30" Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 2,574.87 | 626.21 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *293.19* | |
| 33 05 63 00-0433 | EA | 30" x 36" x 30" Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 2,732.46 | 626.21 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *321.64* | |
| 33 05 63 00-0434 | EA | 36" x 36" x 48" Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 3,137.93 | 751.44 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *376.00* | |
| 33 05 63 00-0435 | EA | 48" x 48" x 48" Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 3,593.96 | 876.68 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *523.70* | |
| 33 05 63 00-0436 | EA | 48" x 72" x 36" Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 3,606.74 | 751.44 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *565.32* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 63 00-0437 | EA | 54" x 38" x 24" Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 3,647.06 | 751.44 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *395.12* | |
| 33 05 63 00-0438 | EA | 6" Diameter Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 777.08 | 250.48 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *15.00* | |
| 33 05 63 00-0439 | EA | 9" Diameter Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 924.63 | 281.79 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *15.00* | |
| 33 05 63 00-0440 | EA | 12" Diameter Precast Concrete Handholes With Steel Cover<br>Note: 8000 To 12000 pound traffic rated top. | 1,157.06 | 313.10 |
| | | *For 15,000 to 22,500 Pound Traffic Rated Top, Add* | *15.00* | |

## 33 05 81 Metallic Castings for Utility Structures *(33 05)*

### 33 05 81 00-0001 Manhole Accessories *(33 05 81)*

### 33 05 81 00-0002 Steps For Cast-In-Place Manholes *(33 05 81 00-0001)*

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

| | | | | |
|---|---|---|---|---|
| 33 05 81 00-0003 | EA | Cast Iron Manhole Step For New Manholes | 88.53 | |
| 33 05 81 00-0004 | EA | Galvanized Steel Manhole Step For New Manholes | 68.95 | |
| 33 05 81 00-0005 | EA | Aluminum Manhole Step For New Manholes | 98.55 | |

### 33 05 81 00-0006 Manhole Covers And Frames *(33 05 81)*

Note: Includes moisture-tight masonry joints and waterproof grouting.

### 33 05 81 00-0007 Regular Manhole Covers And Frames *(33 05 81 00-0006)*

| | | | | |
|---|---|---|---|---|
| 33 05 81 00-0008 | EA | 18" Square, Gray Iron, Manhole Cover With Frame | 3,509.82 | 100.95 |
| | | *For Ductile Iron Castings, Add* | *2,243.23* | |
| 33 05 81 00-0009 | EA | 18" Diameter, Gray Iron, Manhole Cover With Frame | 1,860.72 | 100.95 |
| | | *For Ductile Iron Castings, Add* | *1,088.86* | |
| 33 05 81 00-0010 | EA | 22" Diameter, Gray Iron, Manhole Cover With Frame | 1,991.00 | 105.65 |
| | | *For Ductile Iron Castings, Add* | *1,171.84* | |
| 33 05 81 00-0011 | EA | 24" Diameter, Gray Iron, Manhole Cover With Frame | 2,150.67 | 117.38 |
| | | *For Ductile Iron Castings, Add* | *1,258.95* | |
| 33 05 81 00-0012 | EA | 24" Square, Gray Iron, Manhole Cover With Frame | 3,516.20 | 130.30 |
| | | *For Ductile Iron Castings, Add* | *2,187.44* | |
| 33 05 81 00-0013 | EA | 26" Diameter, Gray Iron, Manhole Cover With Frame | 2,903.31 | 140.87 |
| | | *For Ductile Iron Castings, Add* | *1,735.33* | |
| 33 05 81 00-0014 | EA | 30" Diameter, Gray Iron, Manhole Cover With Frame | 3,030.99 | 146.73 |
| | | *For Ductile Iron Castings, Add* | *1,813.56* | |
| 33 05 81 00-0015 | EA | 36" Diameter, Gray Iron, Manhole Cover With Frame | 2,740.66 | 150.25 |
| | | *For Ductile Iron Castings, Add* | *1,602.11* | |

### 33 05 81 00-0016 Watertight Type Manhole Covers And Frames *(33 05 81 00-0006)*

| | | | | |
|---|---|---|---|---|
| 33 05 81 00-0017 | EA | 20" Diameter, Gray Iron, Watertight Manhole Cover With Frame | 3,870.47 | 83.35 |
| | | *For Ductile Iron Castings, Add* | *2,477.10* | |
| 33 05 81 00-0018 | EA | 22" Diameter, Gray Iron, Watertight Manhole Cover With Frame | 3,909.38 | 83.35 |
| | | *For Ductile Iron Castings, Add* | *2,485.22* | |
| 33 05 81 00-0019 | EA | 24" Diameter, Gray Iron, Watertight Manhole Cover With Frame | 3,965.01 | 97.43 |
| | | *For Ductile Iron Castings, Add* | *2,501.60* | |
| 33 05 81 00-0020 | EA | 26" Diameter, Gray Iron, Watertight Manhole Cover With Frame | 4,757.98 | 109.17 |
| | | *For Ductile Iron Castings, Add* | *3,033.60* | |
| 33 05 81 00-0021 | EA | 30" Diameter, Gray Iron, Watertight Manhole Cover With Frame | 5,556.21 | 111.52 |
| | | *For Ductile Iron Castings, Add* | *3,581.21* | |
| 33 05 81 00-0022 | EA | 32" Diameter, Gray Iron, Watertight Manhole Cover With Frame | 5,863.08 | 113.86 |
| | | *For Ductile Iron Castings, Add* | *3,791.99* | |
| 33 05 81 00-0023 | EA | 36" Diameter, Gray Iron, Watertight Manhole Cover With Frame | 6,137.34 | 117.38 |
| | | *For Ductile Iron Castings, Add* | *3,979.79* | |

### 33 05 81 00-0024 Aluminum Manhole Covers And Frames *(33 05 81 00-0006)*

| | | | | |
|---|---|---|---|---|
| 33 05 81 00-0025 | EA | 12" Square Aluminum Manhole Cover With Frame | 1,238.03 | 31.52 |
| 33 05 81 00-0026 | EA | 18" Square Aluminum Manhole Cover With Frame | 2,278.75 | 34.90 |
| 33 05 81 00-0027 | EA | 24" Square Aluminum Manhole Cover With Frame | 3,275.11 | 40.53 |

### 33 05 81 00-0028 Removal And Reinstallation Of Manhole Cover And Frame *(33 05 81 00-0006)*

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

| | | | | |
|---|---|---|---|---|
| 33 05 81 00-0029 | EA | Removal And Reinstallation Of Manhole Cover And Frame | 470.65 | |

## 33 05 83 Non-Metallic Accessories for Utility Structures *(33 05)*

### 33 05 83 00-0001 Manhole Accessories *(33 05 83)*

### 33 05 83 00-0002 Steps For Cast-In-Place Manholes *(33 05 83 00-0001)*

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

| | | | | |
|---|---|---|---|---|
| 33 05 83 00-0003 | EA | Polypropylene Manhole Step For New Manholes | 52.32 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 05 83 00-0004** | | **Rainguard Inflow Protectors** *(33 05 83)* | | |
| 33 05 83 00-0005 | EA | 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors | 151.12 | 25.43 |
| 33 05 83 00-0006 | EA | 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors | 175.33 | 25.43 |
| 33 05 83 00-0007 | EA | 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors | 209.62 | 30.52 |
| 33 05 83 00-0008 | EA | 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors | 224.92 | 30.52 |
| 33 05 83 00-0009 | EA | 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors | 279.36 | 35.60 |
| 33 05 83 00-0010 | EA | 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors | 298.14 | 35.60 |

## 33 05 84 Accessories for Utility Structures *(33 05)*

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 05 84 00-0001** Manhole Accessories *(33 05 84)*

**33 05 84 00-0002** Precast Concrete Manhole Tops *(33 05 84 00-0001)*

**33 05 84 00-0003** Precast Concrete Manhole Slab Tops *(33 05 84 00-0002)*

| | | | | |
|---|---|---|---|---|
| 33 05 84 00-0004 | EA | 3' Diameter x 8" Thick Precast Manhole Top Slab | 642.87 | 88.04 |
| 33 05 84 00-0005 | EA | 4' Diameter x 8" Thick Precast Manhole Top Slab | 898.11 | 95.09 |
| 33 05 84 00-0006 | EA | 5' Diameter x 8" Thick Precast Manhole Top Slab | 1,214.25 | 102.13 |
| 33 05 84 00-0007 | EA | 6' Diameter x 8" Thick Precast Manhole Top Slab | 1,453.50 | 109.17 |
| 33 05 84 00-0008 | EA | 7' Diameter x 8" Thick Precast Manhole Top Slab | 2,211.42 | 117.38 |
| 33 05 84 00-0009 | EA | 8' Diameter x 10" Thick Precast Manhole Top Slab | 2,951.30 | 126.19 |
| 33 05 84 00-0010 | EA | 10' Diameter x 12" Thick Precast Manhole Top Slab | 5,025.24 | 134.99 |
| 33 05 84 00-0011 | EA | 12' Diameter x 12" Thick Precast Manhole Top Slab | 7,129.78 | 145.27 |

**33 05 84 00-0012** Precast Concrete Manhole Cone Tops *(33 05 84 00-0002)*

| | | | | |
|---|---|---|---|---|
| 33 05 84 00-0013 | EA | 3' Diameter x 8" Thick Precast Manhole Top Cone | 1,021.62 | 110.05 |
| 33 05 84 00-0014 | EA | 3'-6" Diameter x 8" Thick Precast Manhole Top Cone | 1,136.13 | 114.45 |
| 33 05 84 00-0015 | EA | 4' Diameter x 8" Thick Precast Manhole Top Cone | 1,250.66 | 118.86 |
| 33 05 84 00-0016 | EA | 5' Diameter x 8" Thick Precast Manhole Top Cone | 1,473.79 | 126.19 |
| 33 05 84 00-0017 | EA | 6' Diameter x 8" Thick Precast Manhole Top Cone | 1,702.83 | 134.99 |
| 33 05 84 00-0018 | EA | 7' Diameter x 8" Thick Precast Manhole Top Cone | 2,695.93 | 143.80 |
| 33 05 84 00-0019 | EA | 8' Diameter x 10" Thick Precast Manhole Top Cone | 3,385.10 | 158.47 |

**33 05 84 00-0020** Precast Concrete Manhole Reducer Slabs *(33 05 84 00-0002)*

| | | | | |
|---|---|---|---|---|
| 33 05 84 00-0021 | EA | 5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab | 1,334.10 | 102.13 |
| 33 05 84 00-0022 | EA | 6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab | 1,716.77 | 109.17 |
| 33 05 84 00-0023 | EA | 7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab | 2,264.61 | 109.17 |
| 33 05 84 00-0024 | EA | 8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab | 3,580.93 | 109.17 |
| 33 05 84 00-0025 | EA | 10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab | 4,604.99 | 109.17 |
| 33 05 84 00-0026 | EA | 12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab | 6,667.15 | 109.17 |

**33 05 84 00-0027** Pipe To Manhole Connector *(33 05 84 00-0001)*

**33 05 84 00-0028** Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors *(33 05 84 00-0027)*

| | | | | |
|---|---|---|---|---|
| 33 05 84 00-0029 | EA | 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector | 95.41 | |
| 33 05 84 00-0030 | EA | 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector | 144.09 | |
| 33 05 84 00-0031 | EA | 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector | 162.27 | |
| 33 05 84 00-0032 | EA | 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector | 251.08 | |
| 33 05 84 00-0033 | EA | 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector | 353.19 | |
| 33 05 84 00-0034 | EA | 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector | 465.33 | |
| 33 05 84 00-0035 | EA | 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector | 851.32 | |
| 33 05 84 00-0036 | EA | 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector | 1,185.45 | |
| 33 05 84 00-0037 | EA | 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector | 1,885.53 | |
| 33 05 84 00-0038 | EA | 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector | 2,215.40 | |

**33 05 84 00-0039** Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout *(33 05 84 00-0027)*

Note: Fernco CMA.

| | | | | |
|---|---|---|---|---|
| 33 05 84 00-0040 | EA | 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout | 120.83 | |
| 33 05 84 00-0041 | EA | 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout | 167.82 | |
| 33 05 84 00-0042 | EA | 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout | 212.06 | |
| 33 05 84 00-0043 | EA | 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout | 256.08 | |
| 33 05 84 00-0044 | EA | 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout | 297.08 | |

**33 05 84 00-0045** Brick And Grout Pipe To Manhole Connector *(33 05 84 00-0027)*

| | | | | |
|---|---|---|---|---|
| 33 05 84 00-0046 | EA | Seal Gap Between Pipe And Structure With Brick And Grout | 267.22 | |

**33 05 84 00-0047** Inverts For Manholes *(33 05 84 00-0001)*

| | | | | |
|---|---|---|---|---|
| 33 05 84 00-0048 | EA | Single Channel Concrete Invert For Manholes | 430.70 | |
| 33 05 84 00-0049 | EA | Double Channel Concrete Invert For Manholes | 621.03 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 05 84 00-0050 | EA | Triple Channel Concrete Invert For Manholes | 836.46 | |
| 33 05 84 00-0051 | EA | Quad Channel Concrete Invert For Manholes | 1,051.82 | |
| 33 05 84 00-0052 | EA | Single Channel Brick Invert For Manholes | 631.82 | |
| 33 05 84 00-0053 | EA | Double Channel Brick Invert For Manholes | 945.86 | |
| 33 05 84 00-0054 | EA | Triple Channel Brick Invert For Manholes | 1,265.27 | |
| 33 05 84 00-0055 | EA | Quad Channel Brick Invert For Manholes | 1,581.11 | |

## 33 05 84 00-0056 Protective Coating For New Manholes *(33 05 84 00-0001)*

## 33 05 84 00-0057 Polyurethane Protective Coating For New Manholes *(33 05 84 00-0056)*

| | | | | |
|---|---|---|---|---|
| 33 05 84 00-0058 | VLF | 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior | 215.76 | |
| | | *For 80 Mil Material, Add* | *32.52* | |
| | | *For 100 Mil Material, Add* | *65.05* | |
| | | *For 125 Mil Material, Add* | *102.84* | |
| | | *For 150 Mil Material, Add* | *140.64* | |
| | | *For 200 Mil Material, Add* | *208.61* | |
| | | *For 2 To 5 Manholes, Deduct* | *-14.60* | |
| | | *For 6 To 10 Manholes, Deduct* | *-23.81* | |
| | | *For >10 Manholes, Deduct* | *-47.61* | |
| 33 05 84 00-0059 | VLF | 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior | 260.27 | |
| | | *For 80 Mil Material, Add* | *38.60* | |
| | | *For 100 Mil Material, Add* | *77.21* | |
| | | *For 125 Mil Material, Add* | *121.97* | |
| | | *For 150 Mil Material, Add* | *166.73* | |
| | | *For 200 Mil Material, Add* | *246.92* | |
| | | *For 2 To 5 Manholes, Deduct* | *-17.67* | |
| | | *For 6 To 10 Manholes, Deduct* | *-28.84* | |
| | | *For >10 Manholes, Deduct* | *-57.68* | |
| 33 05 84 00-0060 | VLF | 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior | 287.68 | |
| | | *For 80 Mil Material, Add* | *43.36* | |
| | | *For 100 Mil Material, Add* | *86.73* | |
| | | *For 125 Mil Material, Add* | *137.12* | |
| | | *For 150 Mil Material, Add* | *187.51* | |
| | | *For 200 Mil Material, Add* | *278.13* | |
| | | *For 2 To 5 Manholes, Deduct* | *-19.47* | |
| | | *For 6 To 10 Manholes, Deduct* | *-31.74* | |
| | | *For >10 Manholes, Deduct* | *-63.49* | |
| 33 05 84 00-0061 | VLF | 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior | 359.67 | |
| | | *For 80 Mil Material, Add* | *54.23* | |
| | | *For 100 Mil Material, Add* | *108.46* | |
| | | *For 125 Mil Material, Add* | *171.48* | |
| | | *For 150 Mil Material, Add* | *234.50* | |
| | | *For 200 Mil Material, Add* | *347.83* | |
| | | *For 2 To 5 Manholes, Deduct* | *-24.34* | |
| | | *For 6 To 10 Manholes, Deduct* | *-39.68* | |
| | | *For >10 Manholes, Deduct* | *-79.37* | |
| 33 05 84 00-0062 | VLF | 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior | 418.03 | |
| | | *For 80 Mil Material, Add* | *64.05* | |
| | | *For 100 Mil Material, Add* | *128.10* | |
| | | *For 125 Mil Material, Add* | *202.70* | |
| | | *For 150 Mil Material, Add* | *277.31* | |
| | | *For 200 Mil Material, Add* | *411.93* | |
| | | *For 2 To 5 Manholes, Deduct* | *-28.19* | |
| | | *For 6 To 10 Manholes, Deduct* | *-45.92* | |
| | | *For >10 Manholes, Deduct* | *-91.85* | |

## 33 05 84 00-0063 Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0056)*

Note: For new manholes and shop applied.

| | | | |
|---|---|---|---|
| 33 05 84 00-0064 | VLF | 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole | 297.43 |
| 33 05 84 00-0065 | VLF | 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole | 364.59 |
| 33 05 84 00-0066 | VLF | 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole | 444.92 |
| 33 05 84 00-0067 | VLF | 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole | 558.74 |
| 33 05 84 00-0068 | VLF | 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole | 672.56 |
| 33 05 84 00-0069 | SF | Polyvinyl Chloride (PVC) Liner At Structures | 52.33 |

## 33 05 84 00-0070 Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*

## 33 05 84 00-0071 18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*

| | | | |
|---|---|---|---|
| 33 05 84 00-0072 | EA | 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings | 96.39 |
| 33 05 84 00-0073 | EA | 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring | 105.11 |
| 33 05 84 00-0074 | EA | 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring | 113.82 |
| 33 05 84 00-0075 | EA | 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring | 122.54 |

## 33 05 84 00-0076 24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*

| | | | |
|---|---|---|---|
| 33 05 84 00-0077 | EA | 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring | 108.22 |
| 33 05 84 00-0078 | EA | 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring | 118.12 |
| 33 05 84 00-0079 | EA | 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring | 128.02 |
| 33 05 84 00-0080 | EA | 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring | 137.93 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 05 84 00-0081** | | **30" Diameter, Concrete Grade Extensions/Grade Rings** *(33 05 84 00-0070)* | | |
| 33 05 84 00-0082 | EA | 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring | 119.77 | |
| 33 05 84 00-0083 | EA | 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring | 130.81 | |
| 33 05 84 00-0084 | EA | 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring | 141.86 | |
| 33 05 84 00-0085 | EA | 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring | 152.90 | |
| **33 05 84 00-0086** | | **Bentonite Collar** *(33 05 84 00-0001)* | | |
| **33 05 84 00-0087** | | **Bentonite Collar At Manhole Connections** *(33 05 84 00-0086)* | | |
| 33 05 84 00-0088 | EA | Up To 12" Pipe, Bentonite Collar At Manhole Connection | 151.33 | |
| 33 05 84 00-0089 | EA | >12" To 21", Bentonite Collar At Manhole Connection | 239.61 | |
| 33 05 84 00-0090 | EA | >21" To 30" Pipe, Bentonite Collar At Manhole Connection | 378.62 | |
| 33 05 84 00-0091 | EA | >30" To 36" Pipe, Bentonite Collar At Manhole Connection | 883.76 | |
| 33 05 84 00-0092 | EA | >36" To 48" Pipe, Bentonite Collar At Manhole Connection | 1,386.84 | |
| 33 05 84 00-0093 | EA | >48" To 60" Pipe, Bentonite Collar At Manhole Connection | 2,520.94 | |
| **33 05 84 00-0094** | | **Waste Water Collection System Taps** *(33 05 84)*<br>Note: For tapping existing structures only. Includes grout. | | |
| **33 05 84 00-0095** | | **Brick Manhole Taps** *(33 05 84 00-0094)* | | |
| 33 05 84 00-0096 | EA | 4" Tap In 6" Brick Manhole | 589.46 | |
| 33 05 84 00-0097 | EA | 6" Tap In 6" Brick Manhole | 659.05 | |
| 33 05 84 00-0098 | EA | 8" Tap In 6" Brick Manhole | 727.41 | |
| 33 05 84 00-0099 | EA | 10" Tap In 6" Brick Manhole | 795.63 | |
| 33 05 84 00-0100 | EA | 12" Tap In 6" Brick Manhole | 876.94 | |
| 33 05 84 00-0101 | EA | 15" Tap In 6" Brick Manhole | 945.02 | |
| **33 05 84 00-0102** | | **Precast Concrete Manhole Tap** *(33 05 84 00-0094)* | | |
| 33 05 84 00-0103 | EA | 4" Tap In Existing Precast Concrete Manhole | 869.55 | |
| 33 05 84 00-0104 | EA | 6" Tap In Existing Precast Concrete Manhole | 973.94 | |
| 33 05 84 00-0105 | EA | 8" Tap In Existing Precast Concrete Manhole | 1,089.35 | |
| 33 05 84 00-0106 | EA | 10" Tap In Existing Precast Concrete Manhole | 1,191.67 | |
| 33 05 84 00-0107 | EA | 12" Tap In Existing Precast Concrete Manhole | 1,293.80 | |
| 33 05 84 00-0108 | EA | 15" Tap In Existing Precast Concrete Manhole | 1,398.40 | |
| 33 05 84 00-0109 | EA | 18" Tap In Existing Precast Concrete Manhole | 1,610.47 | |
| 33 05 84 00-0110 | EA | 24" Tap In Existing Precast Concrete Manhole | 2,070.84 | |

## 33 05 97 Identification and Signage for Utilities *(33 05)*

### 33 05 97 23 Utility Identification Warning Tape *(33 05 97)*

| | | | | |
|---|---|---|---|---|
| **33 05 97 23-0001** | | **Non-Detectable Utility Warning Tape** *(33 05 97 23)*<br>Note: Labor installation is included with pipe and excavation. | | |
| 33 05 97 23-0002 | CLF | 3" Non-Detectable Utility Warning Tape | 8.72 | |
| 33 05 97 23-0003 | CLF | 6" Non-Detectable Utility Warning Tape | 12.19 | |
| **33 05 97 23-0004** | | **Detectable Utility Warning Tape** *(33 05 97 23)*<br>Note: Labor installation is included with pipe and excavation. | | |
| 33 05 97 23-0005 | CLF | 2" Detectable Utility Warning Tape | 8.83 | |
| 33 05 97 23-0006 | CLF | 3" Detectable Utility Warning Tape | 11.98 | |
| 33 05 97 23-0007 | CLF | 6" Detectable Utility Warning Tape | 19.05 | |

# 33 10 Water Utilities *(33)*

## 33 11 Groundwater Sources *(33 10)*

### 33 11 13 Potable Water Supply Wells *(33 11)*

| | | | | |
|---|---|---|---|---|
| **33 11 13 00-0001** | | **Drill And Test Water Well** *(33 11 13)* | | |
| **33 11 13 00-0002** | | **Drill Hole** *(33 11 13 00-0001)*<br>Note: Excludes loading and hauling of spoils. | | |
| **33 11 13 00-0003** | | **Mobilization And Demobilization** *(33 11 13 00-0002)* | | |
| 33 11 13 00-0004 | EA | Up To 12" Diameter, Well Drilling Mobilization And Demobilization | 1,074.78 | |
| 33 11 13 00-0005 | EA | >12" To 24" Diameter, Well Drilling Mobilization And Demobilization | 1,328.19 | |
| 33 11 13 00-0006 | EA | >24" To 36" Diameter, Well Drilling Mobilization And Demobilization | 1,992.29 | |
| **33 11 13 00-0007** | | **Drill Hole In Normal Soil, Sand, Gravel, O.B.** *(33 11 13 00-0002)*<br>Note: Excludes well casing, gravel or materials. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 11 13 00-0008 | LF | Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 25.74 | |
| | | *For >100 To 250, Add* | *0.64* | |
| | | *For >250 To 400, Add* | *1.29* | |
| | | *For >400 To 600, Add* | *1.93* | |
| | | *For >600 To 750, Add* | *2.57* | |
| | | *For >750, Add* | *3.22* | |
| 33 11 13 00-0009 | LF | 8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 30.55 | |
| | | *For >100 To 250, Add* | *0.76* | |
| | | *For >250 To 400, Add* | *1.53* | |
| | | *For >400 To 600, Add* | *2.29* | |
| | | *For >600 To 750, Add* | *3.06* | |
| | | *For >750, Add* | *3.82* | |
| 33 11 13 00-0010 | LF | 10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 40.84 | |
| | | *For >100 To 250, Add* | *1.02* | |
| | | *For >250 To 400, Add* | *2.04* | |
| | | *For >400 To 600, Add* | *3.06* | |
| | | *For >600 To 750, Add* | *4.08* | |
| | | *For >750, Add* | *5.11* | |
| 33 11 13 00-0011 | LF | 12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 63.92 | |
| | | *For >100 To 250, Add* | *1.60* | |
| | | *For >250 To 400, Add* | *3.20* | |
| | | *For >400 To 600, Add* | *4.79* | |
| | | *For >600 To 750, Add* | *6.39* | |
| | | *For >750, Add* | *7.99* | |
| 33 11 13 00-0012 | LF | 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 91.97 | |
| | | *For >100 To 250, Add* | *2.30* | |
| | | *For >250 To 400, Add* | *4.60* | |
| | | *For >400 To 600, Add* | *6.90* | |
| | | *For >600 To 750, Add* | *9.20* | |
| | | *For >750, Add* | *11.50* | |
| 33 11 13 00-0013 | LF | 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 120.20 | |
| | | *For >100 To 250, Add* | *3.01* | |
| | | *For >250 To 400, Add* | *6.01* | |
| | | *For >400 To 600, Add* | *9.02* | |
| | | *For >600 To 750, Add* | *12.02* | |
| | | *For >750, Add* | *15.03* | |
| 33 11 13 00-0014 | LF | 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 142.78 | |
| | | *For >100 To 250, Add* | *3.57* | |
| | | *For >250 To 400, Add* | *7.14* | |
| | | *For >400 To 600, Add* | *10.71* | |
| | | *For >600 To 750, Add* | *14.28* | |
| | | *For >750, Add* | *17.85* | |
| 33 11 13 00-0015 | LF | 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 166.02 | |
| | | *For >100 To 250, Add* | *4.15* | |
| | | *For >250 To 400, Add* | *8.30* | |
| | | *For >400 To 600, Add* | *12.45* | |
| | | *For >600 To 750, Add* | *16.60* | |
| | | *For >750, Add* | *20.75* | |
| 33 11 13 00-0016 | LF | 22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 195.07 | |
| | | *For >100 To 250, Add* | *4.88* | |
| | | *For >250 To 400, Add* | *9.75* | |
| | | *For >400 To 600, Add* | *14.63* | |
| | | *For >600 To 750, Add* | *19.51* | |
| | | *For >750, Add* | *24.38* | |
| 33 11 13 00-0017 | LF | 24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 229.95 | |
| | | *For >100 To 250, Add* | *5.75* | |
| | | *For >250 To 400, Add* | *11.50* | |
| | | *For >400 To 600, Add* | *17.25* | |
| | | *For >600 To 750, Add* | *23.00* | |
| | | *For >750, Add* | *28.74* | |
| 33 11 13 00-0018 | LF | 26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 248.53 | |
| | | *For >100 To 250, Add* | *6.21* | |
| | | *For >250 To 400, Add* | *12.43* | |
| | | *For >400 To 600, Add* | *18.64* | |
| | | *For >600 To 750, Add* | *24.85* | |
| | | *For >750, Add* | *31.07* | |
| 33 11 13 00-0019 | LF | 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 273.44 | |
| | | *For >100 To 250, Add* | *6.84* | |
| | | *For >250 To 400, Add* | *13.67* | |
| | | *For >400 To 600, Add* | *20.51* | |
| | | *For >600 To 750, Add* | *27.34* | |
| | | *For >750, Add* | *34.18* | |
| 33 11 13 00-0020 | LF | 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 299.51 | |
| | | *For >100 To 250, Add* | *7.49* | |
| | | *For >250 To 400, Add* | *14.98* | |
| | | *For >400 To 600, Add* | *22.46* | |
| | | *For >600 To 750, Add* | *29.95* | |
| | | *For >750, Add* | *37.44* | |
| 33 11 13 00-0021 | LF | 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. | 372.56 | |
| | | *For >100 To 250, Add* | *9.31* | |
| | | *For >250 To 400, Add* | *18.63* | |
| | | *For >400 To 600, Add* | *27.94* | |
| | | *For >600 To 750, Add* | *37.26* | |
| | | *For >750, Add* | *46.57* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 11 13 00-0022 | | Drill Hole In Sedimentary Rock *(33 11 13 00-0002)* | | |
| 33 11 13 00-0023 | LF | 6" Water Well Hole Drilled In Sedimentary Rock | 52.46 | |
| | | *For >100 To 250, Add* | *1.31* | |
| | | *For >250 To 400, Add* | *2.62* | |
| | | *For >400 To 600, Add* | *3.93* | |
| | | *For >600 To 750, Add* | *5.25* | |
| | | *For >750, Add* | *6.56* | |
| 33 11 13 00-0024 | LF | 8" Water Well Hole Drilled In Sedimentary Rock | 61.10 | |
| | | *For >100 To 250, Add* | *1.53* | |
| | | *For >250 To 400, Add* | *3.06* | |
| | | *For >400 To 600, Add* | *4.58* | |
| | | *For >600 To 750, Add* | *6.11* | |
| | | *For >750, Add* | *7.64* | |
| 33 11 13 00-0025 | LF | 10" Water Well Hole Drilled In Sedimentary Rock | 97.83 | |
| | | *For >100 To 250, Add* | *2.45* | |
| | | *For >250 To 400, Add* | *4.89* | |
| | | *For >400 To 600, Add* | *7.34* | |
| | | *For >600 To 750, Add* | *9.78* | |
| | | *For >750, Add* | *12.23* | |
| 33 11 13 00-0026 | LF | 12" Water Well Hole Drilled In Sedimentary Rock | 127.91 | |
| | | *For >100 To 250, Add* | *3.20* | |
| | | *For >250 To 400, Add* | *6.40* | |
| | | *For >400 To 600, Add* | *9.59* | |
| | | *For >600 To 750, Add* | *12.79* | |
| | | *For >750, Add* | *15.99* | |
| 33 11 13 00-0027 | LF | 14" Water Well Hole Drilled In Sedimentary Rock | 184.09 | |
| | | *For >100 To 250, Add* | *4.60* | |
| | | *For >250 To 400, Add* | *9.20* | |
| | | *For >400 To 600, Add* | *13.81* | |
| | | *For >600 To 750, Add* | *18.41* | |
| | | *For >750, Add* | *23.01* | |
| 33 11 13 00-0028 | LF | 16" Water Well Hole Drilled In Sedimentary Rock | 240.27 | |
| | | *For >100 To 250, Add* | *6.01* | |
| | | *For >250 To 400, Add* | *12.01* | |
| | | *For >400 To 600, Add* | *18.02* | |
| | | *For >600 To 750, Add* | *24.03* | |
| | | *For >750, Add* | *30.03* | |
| 33 11 13 00-0029 | LF | 18" Water Well Hole Drilled In Sedimentary Rock | 285.69 | |
| | | *For >100 To 250, Add* | *7.14* | |
| | | *For >250 To 400, Add* | *14.28* | |
| | | *For >400 To 600, Add* | *21.43* | |
| | | *For >600 To 750, Add* | *28.57* | |
| | | *For >750, Add* | *35.71* | |
| 33 11 13 00-0030 | LF | 20" Water Well Hole Drilled In Sedimentary Rock | 331.52 | |
| | | *For >100 To 250, Add* | *8.29* | |
| | | *For >250 To 400, Add* | *16.58* | |
| | | *For >400 To 600, Add* | *24.86* | |
| | | *For >600 To 750, Add* | *33.15* | |
| | | *For >750, Add* | *41.44* | |
| 33 11 13 00-0031 | LF | 22" Water Well Hole Drilled In Sedimentary Rock | 390.49 | |
| | | *For >100 To 250, Add* | *9.76* | |
| | | *For >250 To 400, Add* | *19.52* | |
| | | *For >400 To 600, Add* | *29.29* | |
| | | *For >600 To 750, Add* | *39.05* | |
| | | *For >750, Add* | *48.81* | |
| 33 11 13 00-0032 | LF | 24" Water Well Hole Drilled In Sedimentary Rock | 451.05 | |
| | | *For >100 To 250, Add* | *11.28* | |
| | | *For >250 To 400, Add* | *22.55* | |
| | | *For >400 To 600, Add* | *33.83* | |
| | | *For >600 To 750, Add* | *45.11* | |
| | | *For >750, Add* | *56.38* | |
| 33 11 13 00-0033 | LF | 26" Water Well Hole Drilled In Sedimentary Rock | 497.08 | |
| | | *For >100 To 250, Add* | *12.43* | |
| | | *For >250 To 400, Add* | *24.85* | |
| | | *For >400 To 600, Add* | *37.28* | |
| | | *For >600 To 750, Add* | *49.71* | |
| | | *For >750, Add* | *62.14* | |
| 33 11 13 00-0034 | LF | 28" Water Well Hole Drilled In Sedimentary Rock | 546.89 | |
| | | *For >100 To 250, Add* | *13.67* | |
| | | *For >250 To 400, Add* | *27.34* | |
| | | *For >400 To 600, Add* | *41.02* | |
| | | *For >600 To 750, Add* | *54.69* | |
| | | *For >750, Add* | *68.36* | |
| 33 11 13 00-0035 | LF | 30" Water Well Hole Drilled In Sedimentary Rock | 599.01 | |
| | | *For >100 To 250, Add* | *14.98* | |
| | | *For >250 To 400, Add* | *29.95* | |
| | | *For >400 To 600, Add* | *44.93* | |
| | | *For >600 To 750, Add* | *59.90* | |
| | | *For >750, Add* | *74.88* | |
| 33 11 13 00-0036 | LF | 36" Water Well Hole Drilled In Sedimentary Rock | 745.12 | |
| | | *For >100 To 250, Add* | *18.63* | |
| | | *For >250 To 400, Add* | *37.26* | |
| | | *For >400 To 600, Add* | *55.88* | |
| | | *For >600 To 750, Add* | *74.51* | |
| | | *For >750, Add* | *93.14* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 33 11 13 00-0037 Drill Hole In Crystalline Rock *(33 11 13 00-0002)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0038 | LF | 6" Water Well Hole Drilled In Crystalline Rock | 107.92 | |
| | | *For >100 To 250, Add* | *2.70* | |
| | | *For >250 To 400, Add* | *5.40* | |
| | | *For >400 To 600, Add* | *8.09* | |
| | | *For >600 To 750, Add* | *10.79* | |
| | | *For >750, Add* | *13.49* | |
| 33 11 13 00-0039 | LF | 8" Water Well Hole Drilled In Crystalline Rock | 124.52 | |
| | | *For >100 To 250, Add* | *3.11* | |
| | | *For >250 To 400, Add* | *6.23* | |
| | | *For >400 To 600, Add* | *9.34* | |
| | | *For >600 To 750, Add* | *12.45* | |
| | | *For >750, Add* | *15.57* | |
| 33 11 13 00-0040 | LF | 10" Water Well Hole Drilled In Crystalline Rock | 142.78 | |
| | | *For >100 To 250, Add* | *3.57* | |
| | | *For >250 To 400, Add* | *7.14* | |
| | | *For >400 To 600, Add* | *10.71* | |
| | | *For >600 To 750, Add* | *14.28* | |
| | | *For >750, Add* | *17.85* | |
| 33 11 13 00-0041 | LF | 12" Water Well Hole Drilled In Crystalline Rock | 180.97 | |
| | | *For >100 To 250, Add* | *4.52* | |
| | | *For >250 To 400, Add* | *9.05* | |
| | | *For >400 To 600, Add* | *13.57* | |
| | | *For >600 To 750, Add* | *18.10* | |
| | | *For >750, Add* | *22.62* | |
| 33 11 13 00-0042 | LF | 14" Water Well Hole Drilled In Crystalline Rock | 234.09 | |
| | | *For >100 To 250, Add* | *5.85* | |
| | | *For >250 To 400, Add* | *11.70* | |
| | | *For >400 To 600, Add* | *17.56* | |
| | | *For >600 To 750, Add* | *23.41* | |
| | | *For >750, Add* | *29.26* | |
| 33 11 13 00-0043 | LF | 16" Water Well Hole Drilled In Crystalline Rock | 340.35 | |
| | | *For >100 To 250, Add* | *8.51* | |
| | | *For >250 To 400, Add* | *17.02* | |
| | | *For >400 To 600, Add* | *25.53* | |
| | | *For >600 To 750, Add* | *34.04* | |
| | | *For >750, Add* | *42.54* | |
| 33 11 13 00-0044 | LF | 18" Water Well Hole Drilled In Crystalline Rock | 405.10 | |
| | | *For >100 To 250, Add* | *10.13* | |
| | | *For >250 To 400, Add* | *20.26* | |
| | | *For >400 To 600, Add* | *30.38* | |
| | | *For >600 To 750, Add* | *40.51* | |
| | | *For >750, Add* | *50.64* | |
| 33 11 13 00-0045 | LF | 20" Water Well Hole Drilled In Crystalline Rock | 469.85 | |
| | | *For >100 To 250, Add* | *11.75* | |
| | | *For >250 To 400, Add* | *23.49* | |
| | | *For >400 To 600, Add* | *35.24* | |
| | | *For >600 To 750, Add* | *46.99* | |
| | | *For >750, Add* | *58.73* | |
| 33 11 13 00-0046 | LF | 22" Water Well Hole Drilled In Crystalline Rock | 552.86 | |
| | | *For >100 To 250, Add* | *13.82* | |
| | | *For >250 To 400, Add* | *27.64* | |
| | | *For >400 To 600, Add* | *41.46* | |
| | | *For >600 To 750, Add* | *55.29* | |
| | | *For >750, Add* | *69.11* | |
| 33 11 13 00-0047 | LF | 24" Water Well Hole Drilled In Crystalline Rock | 639.19 | |
| | | *For >100 To 250, Add* | *15.98* | |
| | | *For >250 To 400, Add* | *31.96* | |
| | | *For >400 To 600, Add* | *47.94* | |
| | | *For >600 To 750, Add* | *63.92* | |
| | | *For >750, Add* | *79.90* | |

## 33 11 13 00-0048 Furnish And Install Casing *(33 11 13 00-0001)*

Note: Excludes drilling of hole.

## 33 11 13 00-0049 Steel Well Casing *(33 11 13 00-0048)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0050 | LF | 6" Diameter, Steel Well Casing, Flush | 50.47 | |
| | | *For >100 To 250, Deduct* | *-1.51* | |
| | | *For >250 To 400, Deduct* | *-2.77* | |
| | | *For >400 To 600, Deduct* | *-4.16* | |
| | | *For >600 To 750, Deduct* | *-5.54* | |
| | | *For >750, Deduct* | *-7.25* | |
| 33 11 13 00-0051 | LF | 8" Diameter, Steel Well Casing, Flush | 62.75 | |
| | | *For >100 To 250, Deduct* | *-1.88* | |
| | | *For >250 To 400, Deduct* | *-3.45* | |
| | | *For >400 To 600, Deduct* | *-5.17* | |
| | | *For >600 To 750, Deduct* | *-6.90* | |
| | | *For >750, Deduct* | *-9.03* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 11 13 00-0052 | LF | 10" Diameter, Steel Well Casing, Flush | 93.02 | |
| | | *For >100 To 250, Deduct* | *-2.70* | |
| | | *For >250 To 400, Deduct* | *-5.02* | |
| | | *For >400 To 600, Deduct* | *-7.54* | |
| | | *For >600 To 750, Deduct* | *-10.05* | |
| | | *For >750, Deduct* | *-13.05* | |
| 33 11 13 00-0053 | LF | 12" Diameter, Steel Well Casing, Flush | 156.28 | |
| | | *For >100 To 250, Deduct* | *-4.36* | |
| | | *For >250 To 400, Deduct* | *-8.26* | |
| | | *For >400 To 600, Deduct* | *-12.39* | |
| | | *For >600 To 750, Deduct* | *-16.52* | |
| | | *For >750, Deduct* | *-21.24* | |
| 33 11 13 00-0054 | LF | 14" Diameter, Steel Well Casing, Flush | 175.13 | |
| | | *For >100 To 250, Deduct* | *-5.00* | |
| | | *For >250 To 400, Deduct* | *-9.38* | |
| | | *For >400 To 600, Deduct* | *-14.07* | |
| | | *For >600 To 750, Deduct* | *-18.76* | |
| | | *For >750, Deduct* | *-24.25* | |
| 33 11 13 00-0055 | LF | 16" Diameter, Steel Well Casing, Flush | 205.56 | |
| | | *For >100 To 250, Deduct* | *-5.91* | |
| | | *For >250 To 400, Deduct* | *-11.05* | |
| | | *For >400 To 600, Deduct* | *-16.57* | |
| | | *For >600 To 750, Deduct* | *-22.10* | |
| | | *For >750, Deduct* | *-28.63* | |
| 33 11 13 00-0056 | LF | 18" Diameter, Steel Well Casing, Flush | 234.44 | |
| | | *For >100 To 250, Deduct* | *-6.83* | |
| | | *For >250 To 400, Deduct* | *-12.69* | |
| | | *For >400 To 600, Deduct* | *-19.04* | |
| | | *For >600 To 750, Deduct* | *-25.39* | |
| | | *For >750, Deduct* | *-32.99* | |
| 33 11 13 00-0057 | LF | 20" Diameter, Steel Well Casing, Flush | 267.18 | |
| | | *For >100 To 250, Deduct* | *-7.87* | |
| | | *For >250 To 400, Deduct* | *-14.55* | |
| | | *For >400 To 600, Deduct* | *-21.83* | |
| | | *For >600 To 750, Deduct* | *-29.11* | |
| | | *For >750, Deduct* | *-37.94* | |
| 33 11 13 00-0058 | LF | 24" Diameter, Steel Well Casing, Flush | 312.33 | |
| | | *For >100 To 250, Deduct* | *-9.15* | |
| | | *For >250 To 400, Deduct* | *-16.96* | |
| | | *For >400 To 600, Deduct* | *-25.44* | |
| | | *For >600 To 750, Deduct* | *-33.92* | |
| | | *For >750, Deduct* | *-44.15* | |
| 33 11 13 00-0059 | LB | Steel Well Casing, Furnish And Install | 1.63 | |
| | | *For >100 To 250, Deduct* | *-0.06* | |
| | | *For >250 To 400, Deduct* | *-0.10* | |
| | | *For >400 To 600, Deduct* | *-0.15* | |
| | | *For >600 To 750, Deduct* | *-0.20* | |
| | | *For >750, Deduct* | *-0.27* | |

## 33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded *(33 11 13 00-0048)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0061 | LF | 6" Diameter, Stainless Steel Well Casing, Flush | 76.65 | |
| | | *For >100 To 250, Deduct* | *-2.17* | |
| | | *For >250 To 400, Deduct* | *-4.08* | |
| | | *For >400 To 600, Deduct* | *-6.12* | |
| | | *For >600 To 750, Deduct* | *-8.16* | |
| | | *For >750, Deduct* | *-10.53* | |
| 33 11 13 00-0062 | LF | 8" Diameter, Stainless Steel Well Casing, Flush | 114.57 | |
| | | *For >100 To 250, Deduct* | *-3.18* | |
| | | *For >250 To 400, Deduct* | *-6.04* | |
| | | *For >400 To 600, Deduct* | *-9.06* | |
| | | *For >600 To 750, Deduct* | *-12.08* | |
| | | *For >750, Deduct* | *-15.50* | |
| 33 11 13 00-0063 | LF | 10" Diameter, Stainless Steel Well Casing, Flush | 159.75 | |
| | | *For >100 To 250, Deduct* | *-4.39* | |
| | | *For >250 To 400, Deduct* | *-8.39* | |
| | | *For >400 To 600, Deduct* | *-12.58* | |
| | | *For >600 To 750, Deduct* | *-16.77* | |
| | | *For >750, Deduct* | *-21.48* | |
| 33 11 13 00-0064 | LF | 12" Diameter, Stainless Steel Well Casing, Flush | 185.87 | |
| | | *For >100 To 250, Deduct* | *-5.12* | |
| | | *For >250 To 400, Deduct* | *-9.77* | |
| | | *For >400 To 600, Deduct* | *-14.65* | |
| | | *For >600 To 750, Deduct* | *-19.53* | |
| | | *For >750, Deduct* | *-25.03* | |

## 33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring *(33 11 13 00-0048)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0066 | LF | 10" Diameter, Stainless Steel Well Casing, Welded | 171.70 | |
| | | *For >100 To 250, Deduct* | *-4.99* | |
| | | *For >250 To 400, Deduct* | *-9.28* | |
| | | *For >400 To 600, Deduct* | *-13.92* | |
| | | *For >600 To 750, Deduct* | *-18.56* | |
| | | *For >750, Deduct* | *-24.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 11 13 00-0067 | LF | 12" Diameter, Stainless Steel Well Casing, Welded | 198.82 | |
| | | *For >100 To 250, Deduct* | *-5.77* | |
| | | *For >250 To 400, Deduct* | *-10.74* | |
| | | *For >400 To 600, Deduct* | *-16.11* | |
| | | *For >600 To 750, Deduct* | *-21.48* | |
| | | *For >750, Deduct* | *-27.88* | |
| 33 11 13 00-0068 | LF | 14" Diameter, Stainless Steel Well Casing, Welded | 238.39 | |
| | | *For >100 To 250, Deduct* | *-6.86* | |
| | | *For >250 To 400, Deduct* | *-12.82* | |
| | | *For >400 To 600, Deduct* | *-19.22* | |
| | | *For >600 To 750, Deduct* | *-25.63* | |
| | | *For >750, Deduct* | *-33.20* | |
| 33 11 13 00-0069 | LF | 16" Diameter, Stainless Steel Well Casing, Welded | 272.91 | |
| | | *For >100 To 250, Deduct* | *-7.84* | |
| | | *For >250 To 400, Deduct* | *-14.67* | |
| | | *For >400 To 600, Deduct* | *-22.00* | |
| | | *For >600 To 750, Deduct* | *-29.33* | |
| | | *For >750, Deduct* | *-37.99* | |
| 33 11 13 00-0070 | LF | 18" Diameter, Stainless Steel Well Casing, Welded | 301.74 | |
| | | *For >100 To 250, Deduct* | *-8.71* | |
| | | *For >250 To 400, Deduct* | *-16.26* | |
| | | *For >400 To 600, Deduct* | *-24.39* | |
| | | *For >600 To 750, Deduct* | *-32.51* | |
| | | *For >750, Deduct* | *-42.16* | |
| 33 11 13 00-0071 | LF | 20" Diameter, Stainless Steel Well Casing, Welded | 394.18 | |
| | | *For >100 To 250, Deduct* | *-11.25* | |
| | | *For >250 To 400, Deduct* | *-21.10* | |
| | | *For >400 To 600, Deduct* | *-31.65* | |
| | | *For >600 To 750, Deduct* | *-42.21* | |
| | | *For >750, Deduct* | *-54.57* | |
| 33 11 13 00-0072 | LF | 24" Diameter, Stainless Steel Well Casing, Welded | 518.52 | |
| | | *For >100 To 250, Deduct* | *-14.70* | |
| | | *For >250 To 400, Deduct* | *-27.67* | |
| | | *For >400 To 600, Deduct* | *-41.50* | |
| | | *For >600 To 750, Deduct* | *-55.34* | |
| | | *For >750, Deduct* | *-71.43* | |

## 33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 *(33 11 13 00-0048)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0074 | LF | 6" Polyvinyl Chloride (PVC) Well Casing | 54.23 | |
| | | *For >100 To 250, Deduct* | *-1.56* | |
| | | *For >250 To 400, Deduct* | *-2.91* | |
| | | *For >400 To 600, Deduct* | *-4.37* | |
| | | *For >600 To 750, Deduct* | *-5.82* | |
| | | *For >750, Deduct* | *-7.54* | |
| 33 11 13 00-0075 | LF | 8" Polyvinyl Chloride (PVC) Well Casing | 86.13 | |
| | | *For >100 To 250, Deduct* | *-2.46* | |
| | | *For >250 To 400, Deduct* | *-4.62* | |
| | | *For >400 To 600, Deduct* | *-6.93* | |
| | | *For >600 To 750, Deduct* | *-9.24* | |
| | | *For >750, Deduct* | *-11.95* | |
| 33 11 13 00-0076 | LF | 10" Polyvinyl Chloride (PVC) Well Casing | 130.17 | |
| | | *For >100 To 250, Deduct* | *-3.73* | |
| | | *For >250 To 400, Deduct* | *-6.98* | |
| | | *For >400 To 600, Deduct* | *-10.47* | |
| | | *For >600 To 750, Deduct* | *-13.96* | |
| | | *For >750, Deduct* | *-18.07* | |
| 33 11 13 00-0077 | LF | 12" Polyvinyl Chloride (PVC) Well Casing | 153.56 | |
| | | *For >100 To 250, Deduct* | *-4.41* | |
| | | *For >250 To 400, Deduct* | *-8.25* | |
| | | *For >400 To 600, Deduct* | *-12.38* | |
| | | *For >600 To 750, Deduct* | *-16.50* | |
| | | *For >750, Deduct* | *-21.37* | |

## 33 11 13 00-0078 Furnish And Install Well Screen Assembly *(33 11 13 00-0001)*

## 33 11 13 00-0079 Stainless Steel Well Screen *(33 11 13 00-0078)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0080 | LF | 2" Stainless Steel Well Screen | 25.31 | 1.99 |
| | | *For >100 To 250, Deduct* | *-0.89* | |
| | | *For >250 To 400, Deduct* | *-1.52* | |
| | | *For >400 To 600, Deduct* | *-2.28* | |
| | | *For >600 To 750, Deduct* | *-3.04* | |
| | | *For >750, Deduct* | *-4.13* | |
| 33 11 13 00-0081 | LF | 3" Stainless Steel Well Screen | 39.12 | 1.99 |
| | | *For >100 To 250, Deduct* | *-1.25* | |
| | | *For >250 To 400, Deduct* | *-2.23* | |
| | | *For >400 To 600, Deduct* | *-3.35* | |
| | | *For >600 To 750, Deduct* | *-4.46* | |
| | | *For >750, Deduct* | *-5.94* | |
| 33 11 13 00-0082 | LF | 4" Stainless Steel Well Screen | 49.17 | 2.99 |
| | | *For >100 To 250, Deduct* | *-1.58* | |
| | | *For >250 To 400, Deduct* | *-2.81* | |
| | | *For >400 To 600, Deduct* | *-4.21* | |
| | | *For >600 To 750, Deduct* | *-5.61* | |
| | | *For >750, Deduct* | *-7.47* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 11 13 00-0083 | LF | 5" Stainless Steel Well Screen | 61.95 | 2.99 |
| | | *For >100 To 250, Deduct* | *-1.96* | |
| | | *For >250 To 400, Deduct* | *-3.51* | |
| | | *For >400 To 600, Deduct* | *-5.27* | |
| | | *For >600 To 750, Deduct* | *-7.02* | |
| | | *For >750, Deduct* | *-9.32* | |
| 33 11 13 00-0084 | LF | 6" Stainless Steel Well Screen | 74.75 | 3.98 |
| | | *For >100 To 250, Deduct* | *-2.42* | |
| | | *For >250 To 400, Deduct* | *-4.29* | |
| | | *For >400 To 600, Deduct* | *-6.44* | |
| | | *For >600 To 750, Deduct* | *-8.58* | |
| | | *For >750, Deduct* | *-11.45* | |
| 33 11 13 00-0085 | LF | 8" Stainless Steel Well Screen | 97.44 | 4.98 |
| | | *For >100 To 250, Deduct* | *-3.14* | |
| | | *For >250 To 400, Deduct* | *-5.58* | |
| | | *For >400 To 600, Deduct* | *-8.37* | |
| | | *For >600 To 750, Deduct* | *-11.16* | |
| | | *For >750, Deduct* | *-14.87* | |
| 33 11 13 00-0086 | LF | 10" Stainless Steel Well Screen | 124.10 | 7.97 |
| | | *For >100 To 250, Deduct* | *-4.06* | |
| | | *For >250 To 400, Deduct* | *-7.16* | |
| | | *For >400 To 600, Deduct* | *-10.74* | |
| | | *For >600 To 750, Deduct* | *-14.32* | |
| | | *For >750, Deduct* | *-19.14* | |
| 33 11 13 00-0087 | LF | 12" Stainless Steel Well Screen | 145.56 | 9.95 |
| | | *For >100 To 250, Deduct* | *-4.75* | |
| | | *For >250 To 400, Deduct* | *-8.39* | |
| | | *For >400 To 600, Deduct* | *-12.59* | |
| | | *For >600 To 750, Deduct* | *-16.79* | |
| | | *For >750, Deduct* | *-22.43* | |
| 33 11 13 00-0088 | LF | 14" Stainless Steel Well Screen | 160.27 | 10.95 |
| | | *For >100 To 250, Deduct* | *-5.29* | |
| | | *For >250 To 400, Deduct* | *-9.30* | |
| | | *For >400 To 600, Deduct* | *-13.95* | |
| | | *For >600 To 750, Deduct* | *-18.59* | |
| | | *For >750, Deduct* | *-24.91* | |
| 33 11 13 00-0089 | LF | 16" Stainless Steel Well Screen | 173.91 | 12.94 |
| | | *For >100 To 250, Deduct* | *-5.79* | |
| | | *For >250 To 400, Deduct* | *-10.14* | |
| | | *For >400 To 600, Deduct* | *-15.21* | |
| | | *For >600 To 750, Deduct* | *-20.28* | |
| | | *For >750, Deduct* | *-27.22* | |
| 33 11 13 00-0090 | LF | 18" Stainless Steel Well Screen | 209.11 | 14.93 |
| | | *For >100 To 250, Deduct* | *-7.01* | |
| | | *For >250 To 400, Deduct* | *-12.23* | |
| | | *For >400 To 600, Deduct* | *-18.35* | |
| | | *For >600 To 750, Deduct* | *-24.47* | |
| | | *For >750, Deduct* | *-32.89* | |
| 33 11 13 00-0091 | LF | 20" Stainless Steel Well Screen | 263.67 | 18.91 |
| | | *For >100 To 250, Deduct* | *-8.83* | |
| | | *For >250 To 400, Deduct* | *-15.42* | |
| | | *For >400 To 600, Deduct* | *-23.13* | |
| | | *For >600 To 750, Deduct* | *-30.83* | |
| | | *For >750, Deduct* | *-41.45* | |
| 33 11 13 00-0092 | LF | 24" Stainless Steel Well Screen | 342.28 | 24.88 |
| | | *For >100 To 250, Deduct* | *-11.48* | |
| | | *For >250 To 400, Deduct* | *-20.04* | |
| | | *For >400 To 600, Deduct* | *-30.06* | |
| | | *For >600 To 750, Deduct* | *-40.08* | |
| | | *For >750, Deduct* | *-53.91* | |
| 33 11 13 00-0093 | LF | 26" Stainless Steel Well Screen | 394.23 | 28.87 |
| | | *For >100 To 250, Deduct* | *-13.17* | |
| | | *For >250 To 400, Deduct* | *-23.03* | |
| | | *For >400 To 600, Deduct* | *-34.54* | |
| | | *For >600 To 750, Deduct* | *-46.06* | |
| | | *For >750, Deduct* | *-61.89* | |

### 33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 *(33 11 13 00-0078)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0095 | LF | 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen | 16.09 | |
| | | *For >100 To 250, Deduct* | *-0.57* | |
| | | *For >250 To 400, Deduct* | *-0.98* | |
| | | *For >400 To 600, Deduct* | *-1.46* | |
| | | *For >600 To 750, Deduct* | *-1.95* | |
| | | *For >750, Deduct* | *-2.66* | |
| | | *For Schedule 80, Add* | *3.68* | |
| 33 11 13 00-0096 | LF | 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen | 18.39 | |
| | | *For >100 To 250, Deduct* | *-0.64* | |
| | | *For >250 To 400, Deduct* | *-1.10* | |
| | | *For >400 To 600, Deduct* | *-1.65* | |
| | | *For >600 To 750, Deduct* | *-2.21* | |
| | | *For >750, Deduct* | *-3.00* | |
| | | *For Schedule 80, Add* | *4.42* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 11 13 00-0097 | LF | 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen | 26.01 | |
| | | *For >100 To 250, Deduct* | *-0.98* | |
| | | *For >250 To 400, Deduct* | *-1.63* | |
| | | *For >400 To 600, Deduct* | *-2.44* | |
| | | *For >600 To 750, Deduct* | *-3.26* | |
| | | *For >750, Deduct* | *-4.50* | |
| | | *For Schedule 80, Add* | *5.16* | |
| 33 11 13 00-0098 | LF | 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen | 38.10 | |
| | | *For >100 To 250, Deduct* | *-1.31* | |
| | | *For >250 To 400, Deduct* | *-2.26* | |
| | | *For >400 To 600, Deduct* | *-3.39* | |
| | | *For >600 To 750, Deduct* | *-4.52* | |
| | | *For >750, Deduct* | *-6.11* | |
| | | *For Schedule 80, Add* | *9.58* | |
| 33 11 13 00-0099 | LF | 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen | 47.93 | |
| | | *For >100 To 250, Deduct* | *-1.65* | |
| | | *For >250 To 400, Deduct* | *-2.84* | |
| | | *For >400 To 600, Deduct* | *-4.27* | |
| | | *For >600 To 750, Deduct* | *-5.69* | |
| | | *For >750, Deduct* | *-7.69* | |
| | | *For Schedule 80, Add* | *12.00* | |
| 33 11 13 00-0100 | LF | 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen | 59.99 | |
| | | *For >100 To 250, Deduct* | *-2.03* | |
| | | *For >250 To 400, Deduct* | *-3.53* | |
| | | *For >400 To 600, Deduct* | *-5.30* | |
| | | *For >600 To 750, Deduct* | *-7.07* | |
| | | *For >750, Deduct* | *-9.53* | |
| | | *For Schedule 80, Add* | *15.46* | |
| 33 11 13 00-0101 | LF | 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen | 66.17 | |
| | | *For >100 To 250, Deduct* | *-2.37* | |
| | | *For >250 To 400, Deduct* | *-4.02* | |
| | | *For >400 To 600, Deduct* | *-6.03* | |
| | | *For >600 To 750, Deduct* | *-8.04* | |
| | | *For >750, Deduct* | *-10.97* | |
| | | *For Schedule 80, Add* | *15.10* | |
| 33 11 13 00-0102 | LF | 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen | 95.29 | |
| | | *For >100 To 250, Deduct* | *-3.29* | |
| | | *For >250 To 400, Deduct* | *-5.67* | |
| | | *For >400 To 600, Deduct* | *-8.51* | |
| | | *For >600 To 750, Deduct* | *-11.35* | |
| | | *For >750, Deduct* | *-15.37* | |
| | | *For Schedule 80, Add* | *23.57* | |

### 33 11 13 00-0103 Furnish And Install Gravel Pack Material *(33 11 13 00-0001)*

Note: Quantity is based on 3" space between wall and the casing or well screen.

### 33 11 13 00-0104 Artificial Gravel Pack *(33 11 13 00-0103)*

Note: Excludes casing.

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0105 | LF | Artificial Gravel Pack, 6" Casing, 2" Screen | 19.64 | |
| | | *For >100 To 250, Deduct* | *-0.78* | |
| | | *For >250 To 400, Deduct* | *-1.27* | |
| | | *For >400 To 600, Deduct* | *-1.90* | |
| | | *For >600 To 750, Deduct* | *-2.54* | |
| | | *For >750, Deduct* | *-3.54* | |
| 33 11 13 00-0106 | LF | Artificial Gravel Pack, 8" Casing, 2" Screen | 29.13 | |
| | | *For >100 To 250, Deduct* | *-1.18* | |
| | | *For >250 To 400, Deduct* | *-1.91* | |
| | | *For >400 To 600, Deduct* | *-2.86* | |
| | | *For >600 To 750, Deduct* | *-3.81* | |
| | | *For >750, Deduct* | *-5.35* | |
| 33 11 13 00-0107 | LF | Artificial Gravel Pack, 10" Casing, 2" Screen | 40.82 | |
| | | *For >100 To 250, Deduct* | *-1.69* | |
| | | *For >250 To 400, Deduct* | *-2.71* | |
| | | *For >400 To 600, Deduct* | *-4.06* | |
| | | *For >600 To 750, Deduct* | *-5.42* | |
| | | *For >750, Deduct* | *-7.64* | |
| 33 11 13 00-0108 | LF | Artificial Gravel Pack, 12" Casing, 2" Screen | 52.18 | |
| | | *For >100 To 250, Deduct* | *-2.13* | |
| | | *For >250 To 400, Deduct* | *-3.44* | |
| | | *For >400 To 600, Deduct* | *-5.16* | |
| | | *For >600 To 750, Deduct* | *-6.88* | |
| | | *For >750, Deduct* | *-9.68* | |
| 33 11 13 00-0109 | LF | Artificial Gravel Pack, 14" Casing, 2" Screen | 64.17 | |
| | | *For >100 To 250, Deduct* | *-2.60* | |
| | | *For >250 To 400, Deduct* | *-4.20* | |
| | | *For >400 To 600, Deduct* | *-6.30* | |
| | | *For >600 To 750, Deduct* | *-8.40* | |
| | | *For >750, Deduct* | *-11.79* | |
| 33 11 13 00-0110 | LF | Artificial Gravel Pack, 16" Casing, 2" Screen | 82.74 | |
| | | *For >100 To 250, Deduct* | *-3.29* | |
| | | *For >250 To 400, Deduct* | *-5.36* | |
| | | *For >400 To 600, Deduct* | *-8.04* | |
| | | *For >600 To 750, Deduct* | *-10.72* | |
| | | *For >750, Deduct* | *-14.99* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 11 13 00-0111 | LF | Artificial Gravel Pack, 18" Casing, 2" Screen | 94.76 | |
| | | *For >100 To 250, Deduct* | *-3.75* | |
| | | *For >250 To 400, Deduct* | *-6.12* | |
| | | *For >400 To 600, Deduct* | *-9.18* | |
| | | *For >600 To 750, Deduct* | *-12.24* | |
| | | *For >750, Deduct* | *-17.10* | |
| 33 11 13 00-0112 | LF | Artificial Gravel Pack, 20" Casing, 2" Screen | 112.81 | |
| | | *For >100 To 250, Deduct* | *-4.51* | |
| | | *For >250 To 400, Deduct* | *-7.33* | |
| | | *For >400 To 600, Deduct* | *-10.99* | |
| | | *For >600 To 750, Deduct* | *-14.66* | |
| | | *For >750, Deduct* | *-20.52* | |
| 33 11 13 00-0113 | LF | Artificial Gravel Pack, 24" Casing, 2" Screen | 127.78 | |
| | | *For >100 To 250, Deduct* | *-5.13* | |
| | | *For >250 To 400, Deduct* | *-8.33* | |
| | | *For >400 To 600, Deduct* | *-12.49* | |
| | | *For >600 To 750, Deduct* | *-16.65* | |
| | | *For >750, Deduct* | *-23.34* | |
| 33 11 13 00-0114 | LF | Artificial Gravel Pack, 26" Casing, 2" Screen | 137.32 | |
| | | *For >100 To 250, Deduct* | *-5.46* | |
| | | *For >250 To 400, Deduct* | *-8.89* | |
| | | *For >400 To 600, Deduct* | *-13.34* | |
| | | *For >600 To 750, Deduct* | *-17.78* | |
| | | *For >750, Deduct* | *-24.86* | |
| 33 11 13 00-0115 | LF | Artificial Gravel Pack, 30" Casing, 2" Screen | 164.17 | |
| | | *For >100 To 250, Deduct* | *-6.59* | |
| | | *For >250 To 400, Deduct* | *-10.70* | |
| | | *For >400 To 600, Deduct* | *-16.05* | |
| | | *For >600 To 750, Deduct* | *-21.40* | |
| | | *For >750, Deduct* | *-29.98* | |
| 33 11 13 00-0116 | LF | Artificial Gravel Pack, 36" Casing, 2" Screen | 190.80 | |
| | | *For >100 To 250, Deduct* | *-7.81* | |
| | | *For >250 To 400, Deduct* | *-12.58* | |
| | | *For >400 To 600, Deduct* | *-18.87* | |
| | | *For >600 To 750, Deduct* | *-25.15* | |
| | | *For >750, Deduct* | *-35.39* | |

### 33 11 13 00-0117 Develop Well *(33 11 13 00-0001)*

Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0118 | HR | Develop Well | 462.77 | |

### 33 11 13 00-0119 Pump Test *(33 11 13 00-0001)*

Note: To determine water level and GPM flow rate.

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0120 | HR | Pump Test Well | 409.10 | |

### 33 11 13 00-0121 Test Well *(33 11 13 00-0001)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0122 | VLF | 2-1/2" Diameter Test Well | 107.10 | |

### 33 11 13 00-0123 Surface Seal, Concrete Filled *(33 11 13)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0124 | SF | Surface Seal Well, Concrete Filled | 35.24 | |

### 33 11 13 00-0125 Other Water Well *(33 11 13)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0126 | SF | Patch Hole In Well Casing | 106.49 | |
| 33 11 13 00-0127 | SF | 1/2" Pressure Grout Well | 2.67 | |
| 33 11 13 00-0128 | SF | 1" Pressure Grout Well | 4.32 | |
| 33 11 13 00-0129 | CF | Sediment Removal In Well Casing For Existing Well | 6.23 | |

### 33 11 13 00-0130 Sterilization Of Well *(33 11 13)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0131 | EA | Well Sterilization, Chlorine | 1,775.81 | |

### 33 11 13 00-0132 Submersible Well Pumps *(33 11 13)*

Note: Includes pump end, motor and control box.

### 33 11 13 00-0133 4" Submersible Well Pumps *(33 11 13 00-0132)*

### 33 11 13 00-0134 Powder Coated Case And Cast Iron Ends *(33 11 13 00-0133)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0135 | EA | 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends | 1,431.12 | 501.55 |
| 33 11 13 00-0136 | EA | 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends | 1,630.41 | 555.90 |
| 33 11 13 00-0137 | EA | 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends | 1,809.63 | 617.67 |

### 33 11 13 00-0138 Stainless Steel Case And Ends *(33 11 13 00-0133)*

| | | | | |
|---|---|---|---|---|
| 33 11 13 00-0139 | EA | 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel | 1,604.00 | 494.14 |
| 33 11 13 00-0140 | EA | 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel | 1,828.19 | 555.90 |
| 33 11 13 00-0141 | EA | 1 HP Submersible Well Pump, 4" Diameter Stainless Steel | 2,048.82 | 617.67 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 11 13 00-0142 | EA | 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel | 2,342.86 | 679.44 |
| 33 11 13 00-0143 | EA | 2 HP Submersible Well Pump, 4" Diameter Stainless Steel | 2,647.56 | 741.20 |
| 33 11 13 00-0144 | EA | 3 HP Submersible Well Pump, 4" Diameter Stainless Steel | 3,249.85 | 864.74 |
| 33 11 13 00-0145 | EA | 5 HP Submersible Well Pump, 4" Diameter Stainless Steel | 4,073.59 | 988.27 |
| 33 11 13 00-0146 | | 6" Submersible Well Pumps *(33 11 13 00-0132)* | | |
| 33 11 13 00-0147 | EA | 5 HP Submersible Well Pump, 6" Diameter Stainless Steel | 4,000.54 | 1,235.34 |
| 33 11 13 00-0148 | EA | 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel | 4,604.02 | 1,358.87 |
| 33 11 13 00-0149 | EA | 10 HP Submersible Well Pump, 6" Diameter Stainless Steel | 5,230.01 | 1,482.41 |
| 33 11 13 00-0150 | EA | 15 HP Submersible Well Pump, 6" Diameter Stainless Steel | 6,326.06 | 1,729.47 |

# 33 14 Water Utility Transmission and Distribution *(33 10)*

## 33 14 11 Water Utility Transmission Piping *(33 14)*

See CSI section 33 14 13 00-0000 for water utility transmission piping.

## 33 14 13 Public Water Utility Distribution Piping *(33 14)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

### 33 14 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 13-0001 Ductile Iron Piping *(33 14 13 13)*

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0570 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0004 | LF | 3", Class 51, Mechanical Joint Ductile Iron Pipe | 92.32 | 13.84 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *49.96* | |
| | | *For Cement Mortar Lining (CML), Add* | *7.14* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *38.54* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *12.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *5.35* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-4.62* | |
| | | *For Class 52, Add* | *21.59* | |
| | | *For Class 53, Add* | *39.03* | |
| | | *For Class 54, Add* | *55.75* | |
| | | *For Class 55, Add* | *64.01* | |
| | | *For Class 56, Add* | *72.12* | |
| 33 14 13 13-0005 | LF | 4", Class 50, Mechanical Joint Ductile Iron Pipe | 100.74 | 14.73 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *54.89* | |
| | | *For Cement Mortar Lining (CML), Add* | *7.84* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *42.34* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *14.11* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *5.88* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-5.04* | |
| | | *For Class 51, Add* | *10.97* | |
| | | *For Class 52, Add* | *23.70* | |
| | | *For Class 53, Add* | *42.86* | |
| | | *For Class 54, Add* | *61.21* | |
| | | *For Class 55, Add* | *70.28* | |
| | | *For Class 56, Add* | *79.18* | |
| 33 14 13 13-0006 | LF | 6", Class 50, Mechanical Joint Ductile Iron Pipe | 108.49 | 15.46 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *59.58* | |
| | | *For Cement Mortar Lining (CML), Add* | *8.51* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *45.96* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *15.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *6.38* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-5.42* | |
| | | *For Class 51, Add* | *11.89* | |
| | | *For Class 52, Add* | *25.70* | |
| | | *For Class 53, Add* | *46.49* | |
| | | *For Class 54, Add* | *66.40* | |
| | | *For Class 55, Add* | *76.24* | |
| | | *For Class 56, Add* | *85.89* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0007 | LF | 8", Class 50, Mechanical Joint Ductile Iron Pipe | 133.23 | 16.08 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *76.22* | |
| | | *For Cement Mortar Lining (CML), Add* | *10.89* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *58.80* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *19.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *8.17* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-6.66* | |
| | | *For Class 51, Add* | *15.14* | |
| | | *For Class 52, Add* | *32.74* | |
| | | *For Class 53, Add* | *59.26* | |
| | | *For Class 54, Add* | *84.66* | |
| | | *For Class 55, Add* | *97.17* | |
| | | *For Class 56, Add* | *109.45* | |
| 33 14 13 13-0008 | LF | 10", Class 50, Mechanical Joint Ductile Iron Pipe | 176.22 | 22.81 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *84.99* | |
| | | *For Cement Mortar Lining (CML), Add* | *14.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *70.83* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *25.50* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *10.62* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-8.81* | |
| | | *For Class 51, Add* | *19.74* | |
| | | *For Class 52, Add* | *42.67* | |
| | | *For Class 53, Add* | *77.21* | |
| | | *For Class 54, Add* | *110.29* | |
| | | *For Class 55, Add* | *126.60* | |
| | | *For Class 56, Add* | *142.61* | |
| 33 14 13 13-0009 | LF | 12", Class 50, Mechanical Joint Ductile Iron Pipe | 219.32 | 25.35 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *90.46* | |
| | | *For Cement Mortar Lining (CML), Add* | *18.09* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *72.36* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *32.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *13.57* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-10.97* | |
| | | *For Class 51, Add* | *25.14* | |
| | | *For Class 52, Add* | *54.35* | |
| | | *For Class 53, Add* | *98.39* | |
| | | *For Class 54, Add* | *140.57* | |
| | | *For Class 55, Add* | *161.33* | |
| | | *For Class 56, Add* | *181.71* | |
| 33 14 13 13-0010 | LF | 14", Class 50, Mechanical Joint Ductile Iron Pipe | 267.56 | 28.46 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *98.71* | |
| | | *For Cement Mortar Lining (CML), Add* | *22.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *76.28* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *40.38* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *16.83* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-13.38* | |
| | | *For Class 51, Add* | *31.12* | |
| | | *For Class 52, Add* | *67.29* | |
| | | *For Class 53, Add* | *121.85* | |
| | | *For Class 54, Add* | *174.10* | |
| | | *For Class 55, Add* | *199.79* | |
| | | *For Class 56, Add* | *225.01* | |
| 33 14 13 13-0011 | LF | 16", Class 50, Mechanical Joint Ductile Iron Pipe | 300.89 | 32.60 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *103.12* | |
| | | *For Cement Mortar Lining (CML), Add* | *25.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *77.97* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *45.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *18.86* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-15.04* | |
| | | *For Class 51, Add* | *34.90* | |
| | | *For Class 52, Add* | *75.46* | |
| | | *For Class 53, Add* | *136.64* | |
| | | *For Class 54, Add* | *195.23* | |
| | | *For Class 55, Add* | *224.04* | |
| | | *For Class 56, Add* | *252.32* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0012 | LF | 18", Class 50, Mechanical Joint Ductile Iron Pipe | 380.17 | 38.03 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *132.25* | |
| | | *For Cement Mortar Lining (CML), Add* | *32.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *99.99* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *58.06* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *24.19* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-19.01* | |
| | | *For Class 51, Add* | *44.69* | |
| | | *For Class 52, Add* | *96.63* | |
| | | *For Class 53, Add* | *175.02* | |
| | | *For Class 54, Add* | *250.09* | |
| | | *For Class 55, Add* | *286.97* | |
| | | *For Class 56, Add* | *323.17* | |
| 33 14 13 13-0013 | LF | 20", Class 50, Mechanical Joint Ductile Iron Pipe | 424.36 | 45.62 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *134.98* | |
| | | *For Cement Mortar Lining (CML), Add* | *35.52* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *99.46* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *63.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *26.64* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-21.22* | |
| | | *For Class 51, Add* | *49.28* | |
| | | *For Class 52, Add* | *106.55* | |
| | | *For Class 53, Add* | *192.96* | |
| | | *For Class 54, Add* | *275.70* | |
| | | *For Class 55, Add* | *316.38* | |
| | | *For Class 56, Add* | *356.32* | |
| 33 14 13 13-0014 | LF | 24", Class 50, Mechanical Joint Ductile Iron Pipe | 563.16 | 57.04 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *147.79* | |
| | | *For Cement Mortar Lining (CML), Add* | *47.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *100.12* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *85.81* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *35.76* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-28.16* | |
| | | *For Class 51, Add* | *66.06* | |
| | | *For Class 52, Add* | *142.85* | |
| | | *For Class 53, Add* | *258.73* | |
| | | *For Class 54, Add* | *369.69* | |
| | | *For Class 55, Add* | *424.22* | |
| | | *For Class 56, Add* | *477.74* | |
| 33 14 13 13-0015 | LF | 30", Class 50, Mechanical Joint Ductile Iron Pipe | 764.46 | 61.41 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *208.41* | |
| | | *For Cement Mortar Lining (CML), Add* | *67.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *121.01* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *50.42* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-38.22* | |
| | | *For Class 51, Add* | *92.78* | |
| | | *For Class 52, Add* | *200.69* | |
| | | *For Class 53, Add* | *363.73* | |
| | | *For Class 54, Add* | *519.84* | |
| | | *For Class 55, Add* | *596.36* | |
| | | *For Class 56, Add* | *671.46* | |
| 33 14 13 13-0016 | LF | 36", Class 50, Mechanical Joint Ductile Iron Pipe | 938.59 | 65.22 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *260.60* | |
| | | *For Cement Mortar Lining (CML), Add* | *84.07* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *151.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *63.05* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-46.93* | |
| | | *For Class 51, Add* | *115.80* | |
| | | *For Class 52, Add* | *250.52* | |
| | | *For Class 53, Add* | *454.18* | |
| | | *For Class 54, Add* | *649.17* | |
| | | *For Class 55, Add* | *744.63* | |
| | | *For Class 56, Add* | *838.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0017 | LF | 42", Class 50, Mechanical Joint Ductile Iron Pipe | 1,186.61 | 69.02 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *335.71* | |
| | | *For Cement Mortar Lining (CML), Add* | *108.29* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *194.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *81.22* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-59.33* | |
| | | *For Class 51, Add* | *148.90* | |
| | | *For Class 52, Add* | *322.16* | |
| | | *For Class 53, Add* | *584.23* | |
| | | *For Class 54, Add* | *835.13* | |
| | | *For Class 55, Add* | *957.83* | |
| | | *For Class 56, Add* | *1,078.24* | |
| 33 14 13 13-0018 | LF | 48", Class 50, Mechanical Joint Ductile Iron Pipe | 1,489.76 | 72.94 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *427.89* | |
| | | *For Cement Mortar Lining (CML), Add* | *138.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *248.45* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *103.52* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-74.49* | |
| | | *For Class 51, Add* | *189.50* | |
| | | *For Class 52, Add* | *410.06* | |
| | | *For Class 53, Add* | *743.81* | |
| | | *For Class 54, Add* | *1,063.33* | |
| | | *For Class 55, Add* | *1,219.43* | |
| | | *For Class 56, Add* | *1,372.64* | |

## 33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0020 | EA | 3" Mechanical Joint Ductile Iron 90 Degree Elbow | 199.76 | 43.71 |
| | | *For Cement Mortar Lining (CML), Add* | *13.35* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *24.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *10.01* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0021 | EA | 4" Mechanical Joint Ductile Iron 90 Degree Elbow | 224.45 | 52.24 |
| | | *For Cement Mortar Lining (CML), Add* | *14.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *26.16* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *10.90* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0022 | EA | 6" Mechanical Joint Ductile Iron 90 Degree Elbow | 354.50 | 77.21 |
| | | *For Cement Mortar Lining (CML), Add* | *23.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *42.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *17.82* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0023 | EA | 8" Mechanical Joint Ductile Iron 90 Degree Elbow | 484.40 | 91.57 |
| | | *For Cement Mortar Lining (CML), Add* | *34.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *62.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *25.92* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0024 | EA | 10" Mechanical Joint Ductile Iron 90 Degree Elbow | 703.06 | 101.17 |
| | | *For Cement Mortar Lining (CML), Add* | *54.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *98.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *41.24* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0025 | EA | 12" Mechanical Joint Ductile Iron 90 Degree Elbow | 920.02 | 118.68 |
| | | *For Cement Mortar Lining (CML), Add* | *74.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *133.25* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *55.52* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0026 | EA | 14" Mechanical Joint Ductile Iron 90 Degree Elbow | 1,440.65 | 133.08 |
| | | *For Cement Mortar Lining (CML), Add* | *123.90* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *223.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *92.93* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0027 | EA | 16" Mechanical Joint Ductile Iron 90 Degree Elbow | 1,913.25 | 152.09 |
| | | *For Cement Mortar Lining (CML), Add* | *168.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *302.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *126.21* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0028 | EA | 18" Mechanical Joint Ductile Iron 90 Degree Elbow | 2,349.01 | 212.93 |
| | | *For Cement Mortar Lining (CML), Add* | *202.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *364.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *151.98* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0029 | EA | 20" Mechanical Joint Ductile Iron 90 Degree Elbow | 3,228.87 | 266.16 |
| | | *For Cement Mortar Lining (CML), Add* | *282.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *508.61* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *211.92* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0030 | EA | 24" Mechanical Joint Ductile Iron 90 Degree Elbow | 4,754.89 | 354.42 |
| | | *For Cement Mortar Lining (CML), Add* | *421.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *759.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *316.34* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0031 | EA | 30" Mechanical Joint Ductile Iron 90 Degree Elbow | 7,344.63 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *676.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,218.34* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *507.64* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0032 | EA | 36" Mechanical Joint Ductile Iron 90 Degree Elbow | 11,179.88 | 394.74 |
| | | *For Cement Mortar Lining (CML), Add* | *1,058.18* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,904.73* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *793.64* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0033 | EA | 42" Mechanical Joint Ductile Iron 90 Degree Elbow | 18,836.95 | 456.27 |
| | | *For Cement Mortar Lining (CML), Add* | *1,814.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,266.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,360.92* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0034 | EA | 48" Mechanical Joint Ductile Iron 90 Degree Elbow | 24,930.93 | 485.43 |
| | | *For Cement Mortar Lining (CML), Add* | *2,419.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,355.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,814.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0035 | | Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)* | | |
| 33 14 13 13-0036 | EA | 3" Mechanical Joint Ductile Iron 45 Degree Elbow | 186.02 | 43.71 |
| | | *For Cement Mortar Lining (CML), Add* | *11.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *21.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *8.98* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0037 | EA | 4" Mechanical Joint Ductile Iron 45 Degree Elbow | 198.92 | 52.24 |
| | | *For Cement Mortar Lining (CML), Add* | *11.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *21.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *8.98* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0038 | EA | 6" Mechanical Joint Ductile Iron 45 Degree Elbow | 309.33 | 77.21 |
| | | *For Cement Mortar Lining (CML), Add* | *19.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *34.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *14.43* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0039 | EA | 8" Mechanical Joint Ductile Iron 45 Degree Elbow | 419.60 | 91.57 |
| | | *For Cement Mortar Lining (CML), Add* | *28.08* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *50.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *21.06* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0040 | EA | 10" Mechanical Joint Ductile Iron 45 Degree Elbow | 563.64 | 101.17 |
| | | *For Cement Mortar Lining (CML), Add* | *41.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *73.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *30.78* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0041 | EA | 12" Mechanical Joint Ductile Iron 45 Degree Elbow | 792.38 | 118.68 |
| | | *For Cement Mortar Lining (CML), Add* | *61.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *110.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *45.95* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0042 | EA | 14" Mechanical Joint Ductile Iron 45 Degree Elbow | 1,165.75 | 133.08 |
| | | *For Cement Mortar Lining (CML), Add* | *96.41* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *173.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *72.31* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0043 | EA | 16" Mechanical Joint Ductile Iron 45 Degree Elbow | 1,432.16 | 152.09 |
| | | *For Cement Mortar Lining (CML), Add* | *120.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *216.31* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *90.13* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0044 | EA | 18" Mechanical Joint Ductile Iron 45 Degree Elbow | 2,046.61 | 212.93 |
| | | *For Cement Mortar Lining (CML), Add* | *172.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *310.33* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *129.30* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0045 | EA | 20" Mechanical Joint Ductile Iron 45 Degree Elbow | 2,245.11 | 266.16 |
| | | *For Cement Mortar Lining (CML), Add* | *184.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *331.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *138.14* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0046 | EA | 24" Mechanical Joint Ductile Iron 45 Degree Elbow | 3,335.21 | 354.42 |
| | | *For Cement Mortar Lining (CML), Add* | *279.81* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *503.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *209.86* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0047 | EA | 30" Mechanical Joint Ductile Iron 45 Degree Elbow | 6,260.72 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *568.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,023.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *426.35* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0048 | EA | 36" Mechanical Joint Ductile Iron 45 Degree Elbow | 8,909.96 | 394.74 |
| | | *For Cement Mortar Lining (CML), Add* | *831.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,496.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *623.39* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0049 | EA | 42" Mechanical Joint Ductile Iron 45 Degree Elbow | 13,462.57 | 456.27 |
| | | *For Cement Mortar Lining (CML), Add* | *1,277.13* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,298.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *957.84* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0050 | EA | 48" Mechanical Joint Ductile Iron 45 Degree Elbow | 17,471.21 | 485.43 |
| | | *For Cement Mortar Lining (CML), Add* | *1,673.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,012.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,255.18* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0051 | | **Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0002)* | | |
| 33 14 13 13-0052 | EA | 3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 160.49 | 43.71 |
| | | *For Cement Mortar Lining (CML), Add* | *9.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *16.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *7.07* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0053 | EA | 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 193.03 | 52.24 |
| | | *For Cement Mortar Lining (CML), Add* | *11.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *20.50* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *8.54* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0054 | EA | 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 293.62 | 77.21 |
| | | *For Cement Mortar Lining (CML), Add* | *17.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *31.81* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *13.25* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0055 | EA | 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 413.71 | 91.57 |
| | | *For Cement Mortar Lining (CML), Add* | *27.49* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *49.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *20.62* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0056 | EA | 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 561.68 | 101.17 |
| | | *For Cement Mortar Lining (CML), Add* | *40.84* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *73.52* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *30.63* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0057 | EA | 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 715.80 | 118.68 |
| | | *For Cement Mortar Lining (CML), Add* | *53.61* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *96.49* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *40.20* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0058 | EA | 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 1,177.53 | 133.08 |
| | | *For Cement Mortar Lining (CML), Add* | *97.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *175.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *73.19* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0059 | EA | 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 1,383.07 | 152.09 |
| | | *For Cement Mortar Lining (CML), Add* | *115.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *207.47* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *86.45* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0060 | EA | 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 1,738.33 | 212.93 |
| | | *For Cement Mortar Lining (CML), Add* | *141.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *254.84* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *106.18* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0061 | EA | 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 2,327.58 | 266.16 |
| | | *For Cement Mortar Lining (CML), Add* | *192.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *346.38* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *144.32* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0062 | EA | 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 3,119.21 | 354.42 |
| | | *For Cement Mortar Lining (CML), Add* | *258.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *464.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *193.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0063 | EA | 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 5,339.79 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *476.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *857.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *357.28* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0064 | EA | 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 7,580.60 | 394.74 |
| | | *For Cement Mortar Lining (CML), Add* | *698.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,256.86* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *523.69* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0065 | EA | 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 11,233.89 | 456.27 |
| | | *For Cement Mortar Lining (CML), Add* | *1,054.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,897.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *790.69* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0066 | EA | 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 14,462.98 | 485.43 |
| | | *For Cement Mortar Lining (CML), Add* | *1,372.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,470.96* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,029.56* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| **33 14 13 13-0067** | | **Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0002)* | | |
| 33 14 13 13-0068 | EA | 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 160.49 | 43.71 |
| | | *For Cement Mortar Lining (CML), Add* | *9.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *16.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *7.07* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0069 | EA | 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 187.14 | 52.24 |
| | | *For Cement Mortar Lining (CML), Add* | *10.80* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *19.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *8.10* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0070 | EA | 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 299.51 | 77.21 |
| | | *For Cement Mortar Lining (CML), Add* | *18.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *32.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *13.70* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0071 | EA | 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 388.19 | 91.57 |
| | | *For Cement Mortar Lining (CML), Add* | *24.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *44.89* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *18.70* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0072 | EA | 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 557.75 | 101.17 |
| | | *For Cement Mortar Lining (CML), Add* | *40.45* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *72.81* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *30.34* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0073 | EA | 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 682.42 | 118.68 |
| | | *For Cement Mortar Lining (CML), Add* | *50.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *90.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *37.70* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0074 | EA | 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 1,314.98 | 133.08 |
| | | *For Cement Mortar Lining (CML), Add* | *111.34* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *200.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *83.50* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0075 | EA | 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 1,449.84 | 152.09 |
| | | *For Cement Mortar Lining (CML), Add* | *121.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *219.49* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *91.46* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0076 | EA | 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 2,111.41 | 212.93 |
| | | *For Cement Mortar Lining (CML), Add* | *178.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *321.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *134.16* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0077 | EA | 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 2,215.65 | 266.16 |
| | | *For Cement Mortar Lining (CML), Add* | *181.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *326.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *135.93* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0078 | EA | 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 2,954.27 | 354.42 |
| | | *For Cement Mortar Lining (CML), Add* | *241.72* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *435.09* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *181.29* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0079 | EA | 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 5,426.19 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *485.01* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *873.02* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *363.76* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0080 | EA | 36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 7,227.15 | 394.74 |
| | | *For Cement Mortar Lining (CML), Add* | *662.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,193.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *497.18* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0081 | EA | 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 10,752.81 | 456.27 |
| | | *For Cement Mortar Lining (CML), Add* | *1,006.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,811.07* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *754.61* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0082 | EA | 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 14,368.72 | 485.43 |
| | | *For Cement Mortar Lining (CML), Add* | *1,363.33* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,453.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,022.50* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| **33 14 13 13-0083** | | **Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0002)* | | |
| 33 14 13 13-0084 | EA | 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 205.66 | 43.71 |
| | | *For Cement Mortar Lining (CML), Add* | *13.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *25.10* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *10.46* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0085 | EA | 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 251.94 | 52.24 |
| | | *For Cement Mortar Lining (CML), Add* | *17.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *31.10* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *12.96* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0086 | EA | 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 403.59 | 77.21 |
| | | *For Cement Mortar Lining (CML), Add* | *28.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *51.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *21.50* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0087 | EA | 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 549.20 | 91.57 |
| | | *For Cement Mortar Lining (CML), Add* | *41.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *73.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *30.78* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0088 | EA | 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 797.31 | 101.17 |
| | | *For Cement Mortar Lining (CML), Add* | *64.41* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *115.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *48.30* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0089 | EA | 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 1,022.12 | 118.68 |
| | | *For Cement Mortar Lining (CML), Add* | *84.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *151.63* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *63.18* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0090 | EA | 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 1,768.57 | 133.08 |
| | | *For Cement Mortar Lining (CML), Add* | *156.70* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *282.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *117.52* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0091 | EA | 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 2,712.43 | 152.09 |
| | | *For Cement Mortar Lining (CML), Add* | *248.20* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *446.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *186.15* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0092 | EA | 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 3,142.30 | 212.93 |
| | | *For Cement Mortar Lining (CML), Add* | *281.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *507.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *211.48* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0093 | EA | 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 4,273.51 | 266.16 |
| | | *For Cement Mortar Lining (CML), Add* | *387.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *696.65* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *290.27* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0094 | EA | 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 5,186.88 | 354.42 |
| | | *For Cement Mortar Lining (CML), Add* | *464.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *836.96* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *348.74* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0095 | EA | 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 9,732.37 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *915.63* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,648.13* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *686.72* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0096 | EA | 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 17,471.25 | 394.74 |
| | | *For Cement Mortar Lining (CML), Add* | *1,687.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,037.18* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,265.49* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0097 | | Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)* | | |
| 33 14 13 13-0098 | EA | 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 187.98 | 43.71 |
| | | *For Cement Mortar Lining (CML), Add* | *12.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *21.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *9.13* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0099 | EA | 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 204.81 | 52.24 |
| | | *For Cement Mortar Lining (CML), Add* | *12.57* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *22.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *9.43* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0100 | EA | 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 330.93 | 77.21 |
| | | *For Cement Mortar Lining (CML), Add* | *21.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *38.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *16.05* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0101 | EA | 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 482.44 | 91.57 |
| | | *For Cement Mortar Lining (CML), Add* | *34.36* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *61.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *25.77* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0102 | EA | 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 663.79 | 101.17 |
| | | *For Cement Mortar Lining (CML), Add* | *51.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *91.90* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *38.29* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0103 | EA | 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 906.27 | 118.68 |
| | | *For Cement Mortar Lining (CML), Add* | *72.65* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *130.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *54.49* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0104 | EA | 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 1,562.39 | 133.08 |
| | | *For Cement Mortar Lining (CML), Add* | *136.08* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *244.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *102.06* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0105 | EA | 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 2,388.44 | 152.09 |
| | | *For Cement Mortar Lining (CML), Add* | *215.80* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *388.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *161.85* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0106 | EA | 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 2,814.38 | 212.93 |
| | | *For Cement Mortar Lining (CML), Add* | *249.18* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *448.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *186.89* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0107 | EA | 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 3,656.94 | 266.16 |
| | | *For Cement Mortar Lining (CML), Add* | *325.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *585.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *244.03* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0108 | EA | 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 4,591.91 | 354.42 |
| | | *For Cement Mortar Lining (CML), Add* | *405.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *729.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *304.11* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0109 | EA | 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 8,540.46 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *796.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,433.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *597.33* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0110 | EA | 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 15,277.91 | 394.74 |
| | | *For Cement Mortar Lining (CML), Add* | *1,467.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,642.38* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,100.99* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

### 33 14 13 13-0111 Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0002)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0112 | EA | 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 186.16 | 43.71 |
| | | *For Cement Mortar Lining (CML), Add* | *11.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *21.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *8.99* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0113 | EA | 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 202.30 | 52.24 |
| | | *For Cement Mortar Lining (CML), Add* | *12.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *22.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *9.24* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0114 | EA | 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 326.65 | 77.21 |
| | | *For Cement Mortar Lining (CML), Add* | *20.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *37.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *15.73* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0115 | EA | 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 473.85 | 91.57 |
| | | *For Cement Mortar Lining (CML), Add* | *33.50* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *60.31* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *25.13* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0116 | EA | 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 651.02 | 101.17 |
| | | *For Cement Mortar Lining (CML), Add* | *49.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *89.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *37.33* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0117 | EA | 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 869.95 | 118.68 |
| | | *For Cement Mortar Lining (CML), Add* | *69.02* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *124.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *51.77* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0118 | EA | 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 1,473.94 | 133.08 |
| | | *For Cement Mortar Lining (CML), Add* | *127.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *229.02* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *95.42* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0119 | EA | 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 2,226.59 | 152.09 |
| | | *For Cement Mortar Lining (CML), Add* | *199.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *359.31* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *149.71* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0120 | EA | 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 2,627.49 | 212.93 |
| | | *For Cement Mortar Lining (CML), Add* | *230.49* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *414.89* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *172.87* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0121 | EA | 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 3,331.57 | 266.16 |
| | | *For Cement Mortar Lining (CML), Add* | *292.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *527.10* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *219.62* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0122 | EA | 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 4,186.43 | 354.42 |
| | | *For Cement Mortar Lining (CML), Add* | *364.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *656.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *273.70* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0123 | EA | 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 7,345.81 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *676.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,218.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *507.73* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0124 | EA | 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow | 12,341.94 | 394.74 |
| | | *For Cement Mortar Lining (CML), Add* | *1,174.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,113.90* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *880.79* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

33 14 13 13-0125 Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0002)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0126 | EA | 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 184.94 | 43.71 |
| | | *For Cement Mortar Lining (CML), Add* | *11.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *21.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *8.90* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0127 | EA | 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 201.04 | 52.24 |
| | | *For Cement Mortar Lining (CML), Add* | *12.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *21.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *9.14* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0128 | EA | 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 324.51 | 77.21 |
| | | *For Cement Mortar Lining (CML), Add* | *20.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *37.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *15.57* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0129 | EA | 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 470.41 | 91.57 |
| | | *For Cement Mortar Lining (CML), Add* | *33.16* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *59.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *24.87* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0130 | EA | 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 645.92 | 101.17 |
| | | *For Cement Mortar Lining (CML), Add* | *49.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *88.68* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *36.95* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0131 | EA | 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 862.68 | 118.68 |
| | | *For Cement Mortar Lining (CML), Add* | *68.29* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *122.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *51.22* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0132 | EA | 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 1,460.34 | 133.08 |
| | | *For Cement Mortar Lining (CML), Add* | *125.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *226.57* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *94.40* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0133 | EA | 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 2,205.01 | 152.09 |
| | | *For Cement Mortar Lining (CML), Add* | *197.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *355.42* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *148.09* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0134 | EA | 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 2,602.57 | 212.93 |
| | | *For Cement Mortar Lining (CML), Add* | *228.00* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *410.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *171.00* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0135 | EA | 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 3,299.03 | 266.16 |
| | | *For Cement Mortar Lining (CML), Add* | *289.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *521.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *217.18* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0136 | EA | 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 4,145.88 | 354.42 |
| | | *For Cement Mortar Lining (CML), Add* | *360.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *649.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *270.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0137 | EA | 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 7,266.16 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *669.01* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,204.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *501.75* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0138 | EA | 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow | 12,195.14 | 394.74 |
| | | *For Cement Mortar Lining (CML), Add* | *1,159.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,087.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *869.78* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| **33 14 13 13-0139** | | **Mechanical Joint Ductile Iron Tee** *(33 14 13 13-0002)* | | |
| 33 14 13 13-0140 | EA | 3" x 3" Mechanical Joint Ductile Iron Tee | 327.15 | 65.58 |
| | | *For Cement Mortar Lining (CML), Add* | *22.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *41.00* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *17.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0141 | EA | 4" x 3" Mechanical Joint Ductile Iron Tee | 338.83 | 73.29 |
| | | *For Cement Mortar Lining (CML), Add* | *22.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *41.00* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *17.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0142 | EA | 4" x 4" Mechanical Joint Ductile Iron Tee | 307.37 | 77.21 |
| | | *For Cement Mortar Lining (CML), Add* | *19.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *34.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *14.29* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0143 | EA | 6" x 3" Mechanical Joint Ductile Iron Tee | 410.46 | 97.24 |
| | | *For Cement Mortar Lining (CML), Add* | *26.31* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *47.36* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *19.73* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0144 | EA | 6" x 4" Mechanical Joint Ductile Iron Tee | 473.48 | 101.27 |
| | | *For Cement Mortar Lining (CML), Add* | *32.01* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *57.61* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *24.01* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0145 | EA | 6" x 6" Mechanical Joint Ductile Iron Tee | 515.31 | 113.36 |
| | | *For Cement Mortar Lining (CML), Add* | *34.36* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *61.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *25.77* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0146 | EA | 8" x 4" Mechanical Joint Ductile Iron Tee | 548.92 | 117.34 |
| | | *For Cement Mortar Lining (CML), Add* | *37.11* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *66.80* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *27.83* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0147 | EA | 8" x 6" Mechanical Joint Ductile Iron Tee | 624.12 | 129.41 |
| | | *For Cement Mortar Lining (CML), Add* | *42.81* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *77.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *32.10* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0148 | EA | 8" x 8" Mechanical Joint Ductile Iron Tee | 724.67 | 137.48 |
| | | *For Cement Mortar Lining (CML), Add* | *51.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *92.96* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *38.73* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0149 | EA | 10" x 4" Mechanical Joint Ductile Iron Tee | 759.93 | 125.73 |
| | | *For Cement Mortar Lining (CML), Add* | *56.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *102.50* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *42.71* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0150 | EA | 10" x 6" Mechanical Joint Ductile Iron Tee | 759.55 | 137.13 |
| | | *For Cement Mortar Lining (CML), Add* | *55.18* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *99.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *41.38* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0151 | EA | 10" x 8" Mechanical Joint Ductile Iron Tee | 865.33 | 144.74 |
| | | *For Cement Mortar Lining (CML), Add* | *64.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *116.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *48.45* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0152 | EA | 10" x 10" Mechanical Joint Ductile Iron Tee | 968.75 | 152.09 |
| | | *For Cement Mortar Lining (CML), Add* | *73.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *132.90* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *55.37* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0153 | EA | 12" x 4" Mechanical Joint Ductile Iron Tee | 910.62 | 140.94 |
| | | *For Cement Mortar Lining (CML), Add* | *69.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *125.47* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *52.28* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0154 | EA | 12" x 6" Mechanical Joint Ductile Iron Tee | 1,035.89 | 152.34 |
| | | *For Cement Mortar Lining (CML), Add* | *80.51* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *144.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *60.38* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0155 | EA | 12" x 8" Mechanical Joint Ductile Iron Tee | 1,277.16 | 159.95 |
| | | *For Cement Mortar Lining (CML), Add* | *103.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *186.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *77.61* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0156 | EA | 12" x 10" Mechanical Joint Ductile Iron Tee | 1,368.79 | 167.30 |
| | | *For Cement Mortar Lining (CML), Add* | *111.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *200.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *83.65* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0157 | EA | 12" x 12" Mechanical Joint Ductile Iron Tee | 1,295.89 | 174.91 |
| | | *For Cement Mortar Lining (CML), Add* | *103.09* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *185.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *77.32* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0158 | EA | 14" x 6" Mechanical Joint Ductile Iron Tee | 1,384.27 | 177.51 |
| | | *For Cement Mortar Lining (CML), Add* | *111.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *200.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *83.65* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0159 | EA | 14" x 8" Mechanical Joint Ductile Iron Tee | 1,543.08 | 185.13 |
| | | *For Cement Mortar Lining (CML), Add* | *126.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *227.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *94.69* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0160 | EA | 14" x 10" Mechanical Joint Ductile Iron Tee | 1,978.34 | 192.47 |
| | | *For Cement Mortar Lining (CML), Add* | *168.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *303.61* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *126.50* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0161 | EA | 14" x 12" Mechanical Joint Ductile Iron Tee | 2,115.53 | 200.07 |
| | | *For Cement Mortar Lining (CML), Add* | *181.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *326.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *135.93* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0162 | EA | 14" x 14" Mechanical Joint Ductile Iron Tee | 2,038.39 | 212.70 |
| | | *For Cement Mortar Lining (CML), Add* | *171.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *308.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *128.71* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0163 | EA | 16" x 6" Mechanical Joint Ductile Iron Tee | 1,761.82 | 212.92 |
| | | *For Cement Mortar Lining (CML), Add* | *143.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *259.08* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *107.95* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0164 | EA | 16" x 8" Mechanical Joint Ductile Iron Tee | 1,897.18 | 220.53 |
| | | *For Cement Mortar Lining (CML), Add* | *156.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *281.35* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *117.23* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0165 | EA | 16" x 10" Mechanical Joint Ductile Iron Tee | 2,214.62 | 227.87 |
| | | *For Cement Mortar Lining (CML), Add* | *186.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *336.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *140.20* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0166 | EA | 16" x 12" Mechanical Joint Ductile Iron Tee | 2,426.42 | 235.48 |
| | | *For Cement Mortar Lining (CML), Add* | *206.96* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *372.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *155.22* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0167 | EA | 16" x 14" Mechanical Joint Ductile Iron Tee | 2,926.58 | 248.07 |
| | | *For Cement Mortar Lining (CML), Add* | *255.07* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *459.13* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *191.30* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0168 | EA | 16" x 16" Mechanical Joint Ductile Iron Tee | 2,760.96 | 265.81 |
| | | *For Cement Mortar Lining (CML), Add* | *235.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *424.49* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *176.87* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0169 | EA | 18" x 6" Mechanical Joint Ductile Iron Tee | 2,451.09 | 272.50 |
| | | *For Cement Mortar Lining (CML), Add* | *203.82* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *366.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *152.87* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0170 | EA | 18" x 8" Mechanical Joint Ductile Iron Tee | 2,631.49 | 280.10 |
| | | *For Cement Mortar Lining (CML), Add* | *220.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *397.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *165.53* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0171 | EA | 18" x 10" Mechanical Joint Ductile Iron Tee | 2,850.77 | 287.46 |
| | | *For Cement Mortar Lining (CML), Add* | *241.52* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *434.74* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *181.14* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0172 | EA | 18" x 12" Mechanical Joint Ductile Iron Tee | 3,068.47 | 295.06 |
| | | *For Cement Mortar Lining (CML), Add* | *262.14* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *471.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *196.61* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0173 | EA | 18" x 14" Mechanical Joint Ductile Iron Tee | 3,156.26 | 307.64 |
| | | *For Cement Mortar Lining (CML), Add* | *269.01* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *484.22* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *201.76* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0174 | EA | 18" x 16" Mechanical Joint Ductile Iron Tee | 3,369.62 | 325.35 |
| | | *For Cement Mortar Lining (CML), Add* | *287.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *517.80* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *215.75* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0175 | EA | 18" x 18" Mechanical Joint Ductile Iron Tee | 3,950.82 | 355.11 |
| | | *For Cement Mortar Lining (CML), Add* | *341.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *614.29* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *255.96* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0176 | EA | 20" x 6" Mechanical Joint Ductile Iron Tee | 2,885.54 | 390.76 |
| | | *For Cement Mortar Lining (CML), Add* | *229.35* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *412.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *172.01* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0177 | EA | 20" x 8" Mechanical Joint Ductile Iron Tee | 2,948.14 | 398.38 |
| | | *For Cement Mortar Lining (CML), Add* | *234.45* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *422.02* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *175.84* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0178 | EA | 20" x 10" Mechanical Joint Ductile Iron Tee | 3,216.49 | 405.72 |
| | | *For Cement Mortar Lining (CML), Add* | *260.18* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *468.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *195.13* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0179 | EA | 20" x 12" Mechanical Joint Ductile Iron Tee | 3,483.29 | 413.32 |
| | | *For Cement Mortar Lining (CML), Add* | *285.70* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *514.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *214.28* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0180 | EA | 20" x 14" Mechanical Joint Ductile Iron Tee | 3,523.96 | 425.91 |
| | | *For Cement Mortar Lining (CML), Add* | *287.86* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *518.16* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *215.90* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0181 | EA | 20" x 16" Mechanical Joint Ductile Iron Tee | 3,574.35 | 443.61 |
| | | *For Cement Mortar Lining (CML), Add* | *290.22* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *522.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *217.67* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0182 | EA | 20" x 18" Mechanical Joint Ductile Iron Tee | 4,507.02 | 473.40 |
| | | *For Cement Mortar Lining (CML), Add* | *378.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *682.16* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *284.23* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0183 | EA | 20" x 20" Mechanical Joint Ductile Iron Tee | 3,952.56 | 532.55 |
| | | *For Cement Mortar Lining (CML), Add* | *314.57* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *566.22* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *235.93* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0184 | EA | 24" x 6" Mechanical Joint Ductile Iron Tee | 3,529.56 | 508.67 |
| | | *For Cement Mortar Lining (CML), Add* | *275.89* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *496.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *206.91* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0185 | EA | 24" x 8" Mechanical Joint Ductile Iron Tee | 3,576.44 | 517.00 |
| | | *For Cement Mortar Lining (CML), Add* | *279.42* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *502.96* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *209.57* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0186 | EA | 24" x 10" Mechanical Joint Ductile Iron Tee | 3,948.88 | 523.62 |
| | | *For Cement Mortar Lining (CML), Add* | *315.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *567.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *236.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0187 | EA | 24" x 12" Mechanical Joint Ductile Iron Tee | 4,048.75 | 531.23 |
| | | *For Cement Mortar Lining (CML), Add* | *324.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *583.90* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *243.29* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0188 | EA | 24" x 14" Mechanical Joint Ductile Iron Tee | 4,566.56 | 543.81 |
| | | *For Cement Mortar Lining (CML), Add* | *374.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *673.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *280.70* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0189 | EA | 24" x 16" Mechanical Joint Ductile Iron Tee | 4,937.03 | 561.50 |
| | | *For Cement Mortar Lining (CML), Add* | *408.63* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *735.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *306.47* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0190 | EA | 24" x 18" Mechanical Joint Ductile Iron Tee | 5,618.37 | 591.31 |
| | | *For Cement Mortar Lining (CML), Add* | *472.25* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *850.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *354.18* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0191 | EA | 24" x 20" Mechanical Joint Ductile Iron Tee | 6,228.32 | 650.43 |
| | | *For Cement Mortar Lining (CML), Add* | *524.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *943.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *393.21* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0192 | EA | 24" x 24" Mechanical Joint Ductile Iron Tee | 5,744.27 | 709.41 |
| | | *For Cement Mortar Lining (CML), Add* | *466.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *840.50* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *350.21* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0193 | EA | 30" x 8" Mechanical Joint Ductile Iron Tee | 6,177.51 | 600.06 |
| | | *For Cement Mortar Lining (CML), Add* | *526.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *948.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *395.13* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0194 | EA | 30" x 10" Mechanical Joint Ductile Iron Tee | 6,512.63 | 607.40 |
| | | *For Cement Mortar Lining (CML), Add* | *559.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,006.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *419.42* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0195 | EA | 30" x 12" Mechanical Joint Ductile Iron Tee | 6,848.16 | 615.01 |
| | | *For Cement Mortar Lining (CML), Add* | *591.63* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,064.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *443.72* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0196 | EA | 30" x 14" Mechanical Joint Ductile Iron Tee | 7,326.71 | 627.60 |
| | | *For Cement Mortar Lining (CML), Add* | *637.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,147.65* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *478.19* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0197 | EA | 30" x 16" Mechanical Joint Ductile Iron Tee | 7,844.43 | 835.01 |
| | | *For Cement Mortar Lining (CML), Add* | *686.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,236.01* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *515.00* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0198 | EA | 30" x 18" Mechanical Joint Ductile Iron Tee | 8,054.51 | 675.08 |
| | | *For Cement Mortar Lining (CML), Add* | *703.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,265.70* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *527.37* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0199 | EA | 30" x 20" Mechanical Joint Ductile Iron Tee | 8,373.84 | 734.22 |
| | | *For Cement Mortar Lining (CML), Add* | *726.14* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,307.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *544.60* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0200 | EA | 30" x 24" Mechanical Joint Ductile Iron Tee | 8,795.01 | 793.17 |
| | | *For Cement Mortar Lining (CML), Add* | *759.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,366.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *569.49* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0201 | EA | 30" x 30" Mechanical Joint Ductile Iron Tee | 11,053.79 | 835.01 |
| | | *For Cement Mortar Lining (CML), Add* | *978.86* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,761.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *734.14* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0202 | EA | 30" x 6" Mechanical Joint Ductile Iron Tee | 6,464.45 | 592.45 |
| | | *For Cement Mortar Lining (CML), Add* | *556.68* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,002.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *417.51* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0203 | EA | 36" x 8" Mechanical Joint Ductile Iron Tee | 7,563.08 | 665.66 |
| | | *For Cement Mortar Lining (CML), Add* | *655.45* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,179.81* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *491.59* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0204 | EA | 36" x 10" Mechanical Joint Ductile Iron Tee | 8,426.41 | 673.00 |
| | | *For Cement Mortar Lining (CML), Add* | *740.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,333.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *555.50* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0205 | EA | 36" x 12" Mechanical Joint Ductile Iron Tee | 8,893.48 | 680.61 |
| | | *For Cement Mortar Lining (CML), Add* | *786.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,415.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *589.67* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0206 | EA | 36" x 14" Mechanical Joint Ductile Iron Tee | 9,228.69 | 693.19 |
| | | *For Cement Mortar Lining (CML), Add* | *817.84* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,472.11* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *613.38* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0207 | EA | 36" x 16" Mechanical Joint Ductile Iron Tee | 9,567.73 | 710.91 |
| | | *For Cement Mortar Lining (CML), Add* | *849.06* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,528.31* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *636.80* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0208 | EA | 36" x 18" Mechanical Joint Ductile Iron Tee | 10,217.65 | 740.69 |
| | | *For Cement Mortar Lining (CML), Add* | *909.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,637.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *682.16* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0209 | EA | 36" x 20" Mechanical Joint Ductile Iron Tee | 10,914.00 | 799.82 |
| | | *For Cement Mortar Lining (CML), Add* | *970.22* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,746.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *727.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0210 | EA | 36" x 24" Mechanical Joint Ductile Iron Tee | 12,079.37 | 858.76 |
| | | *For Cement Mortar Lining (CML), Add* | *1,077.82* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,940.08* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *808.37* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0211 | EA | 36" x 30" Mechanical Joint Ductile Iron Tee | 13,362.24 | 933.52 |
| | | *For Cement Mortar Lining (CML), Add* | *1,199.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,159.57* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *899.82* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0212 | EA | 36" x 36" Mechanical Joint Ductile Iron Tee | 15,620.99 | 933.52 |
| | | *For Cement Mortar Lining (CML), Add* | *1,420.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,557.20* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,065.50* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0213 | EA | 42" x 12" Mechanical Joint Ductile Iron Tee | 17,612.45 | 717.27 |
| | | *For Cement Mortar Lining (CML), Add* | *1,652.57* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,974.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,239.42* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0214 | EA | 42" x 14" Mechanical Joint Ductile Iron Tee | 17,965.33 | 729.87 |
| | | *For Cement Mortar Lining (CML), Add* | *1,685.95* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,034.70* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,264.46* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0215 | EA | 42" x 16" Mechanical Joint Ductile Iron Tee | 19,977.35 | 747.56 |
| | | *For Cement Mortar Lining (CML), Add* | *1,884.47* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,392.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,413.35* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0216 | EA | 42" x 18" Mechanical Joint Ductile Iron Tee | 18,667.61 | 777.35 |
| | | *For Cement Mortar Lining (CML), Add* | *1,748.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,148.16* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,311.73* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0217 | EA | 42" x 20" Mechanical Joint Ductile Iron Tee | 18,757.20 | 836.49 |
| | | *For Cement Mortar Lining (CML), Add* | *1,748.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,148.16* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,311.73* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0218 | EA | 42" x 24" Mechanical Joint Ductile Iron Tee | 19,166.58 | 895.44 |
| | | *For Cement Mortar Lining (CML), Add* | *1,780.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,205.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,335.74* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0219 | EA | 42" x 30" Mechanical Joint Ductile Iron Tee | 23,267.21 | 937.33 |
| | | *For Cement Mortar Lining (CML), Add* | *2,184.70* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,932.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,638.53* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0220 | EA | 42" x 36" Mechanical Joint Ductile Iron Tee | 24,233.91 | 970.14 |
| | | *For Cement Mortar Lining (CML), Add* | *2,276.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,097.52* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,707.30* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0221 | EA | 42" x 42" Mechanical Joint Ductile Iron Tee | 25,642.10 | 988.49 |
| | | *For Cement Mortar Lining (CML), Add* | *2,414.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,346.00* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,810.83* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0222 | EA | 48" x 12" Mechanical Joint Ductile Iron Tee | 20,762.23 | 775.72 |
| | | *For Cement Mortar Lining (CML), Add* | *1,958.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,525.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,469.02* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0223 | EA | 48" x 14" Mechanical Joint Ductile Iron Tee | 21,134.75 | 788.30 |
| | | *For Cement Mortar Lining (CML), Add* | *1,994.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,589.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,495.53* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0224 | EA | 48" x 16" Mechanical Joint Ductile Iron Tee | 21,662.30 | 806.01 |
| | | *For Cement Mortar Lining (CML), Add* | *2,044.11* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,679.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,533.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0225 | EA | 48" x 18" Mechanical Joint Ductile Iron Tee | 22,206.18 | 835.79 |
| | | *For Cement Mortar Lining (CML), Add* | *2,093.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,769.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,570.49* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0226 | EA | 48" x 20" Mechanical Joint Ductile Iron Tee | 22,796.50 | 894.92 |
| | | *For Cement Mortar Lining (CML), Add* | *2,144.06* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,859.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,608.04* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0227 | EA | 48" x 24" Mechanical Joint Ductile Iron Tee | 22,952.57 | 953.87 |
| | | *For Cement Mortar Lining (CML), Add* | *2,150.73* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,871.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,613.05* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0228 | EA | 48" x 30" Mechanical Joint Ductile Iron Tee | 27,962.36 | 995.76 |
| | | *For Cement Mortar Lining (CML), Add* | *2,645.36* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,761.65* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,984.02* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0229 | EA | 48" x 36" Mechanical Joint Ductile Iron Tee | 31,899.98 | 1,028.57 |
| | | *For Cement Mortar Lining (CML), Add* | *3,034.16* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,461.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,275.62* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0230 | EA | 48" x 42" Mechanical Joint Ductile Iron Tee | 33,467.23 | 1,046.90 |
| | | *For Cement Mortar Lining (CML), Add* | *3,188.10* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,738.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,391.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0231 | EA | 48" x 48" Mechanical Joint Ductile Iron Tee | 34,024.00 | 1,076.16 |
| | | *For Cement Mortar Lining (CML), Add* | *3,239.35* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,830.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,429.51* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

## 33 14 13 13-0232 Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0002)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0233 | EA | 4" x 3" Mechanical Joint Ductile Iron Wye (Lateral) | 277.96 | 73.29 |
| | | *For Cement Mortar Lining (CML), Add* | *16.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *30.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *12.52* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0234 | EA | 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) | 429.10 | 77.15 |
| | | *For Cement Mortar Lining (CML), Add* | *31.22* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *56.20* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *23.42* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0235 | EA | 6" x 3" Mechanical Joint Ductile Iron Wye (Lateral) | 410.46 | 97.24 |
| | | *For Cement Mortar Lining (CML), Add* | *26.31* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *47.36* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *19.73* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0236 | EA | 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) | 475.44 | 101.27 |
| | | *For Cement Mortar Lining (CML), Add* | *32.20* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *57.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *24.15* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0237 | EA | 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) | 642.94 | 113.31 |
| | | *For Cement Mortar Lining (CML), Add* | *47.13* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *84.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *35.34* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0238 | EA | 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) | 827.75 | 117.34 |
| | | *For Cement Mortar Lining (CML), Add* | *65.00* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *116.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *48.75* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0239 | EA | 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) | 739.98 | 129.41 |
| | | *For Cement Mortar Lining (CML), Add* | *54.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *97.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *40.79* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0240 | EA | 8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) | 895.50 | 137.43 |
| | | *For Cement Mortar Lining (CML), Add* | *68.73* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *123.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *51.54* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0241 | EA | 10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) | 1,284.22 | 125.73 |
| | | *For Cement Mortar Lining (CML), Add* | *109.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *196.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *82.03* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0242 | EA | 10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) | 1,358.45 | 137.13 |
| | | *For Cement Mortar Lining (CML), Add* | *115.07* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *207.12* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *86.30* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0243 | EA | 10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) | 1,562.41 | 144.74 |
| | | *For Cement Mortar Lining (CML), Add* | *134.31* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *241.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *100.73* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0244 | EA | 10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) | 1,760.08 | 152.09 |
| | | *For Cement Mortar Lining (CML), Add* | *152.96* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *275.34* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *114.72* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0245 | EA | 12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) | 1,641.08 | 140.94 |
| | | *For Cement Mortar Lining (CML), Add* | *142.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *256.96* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *107.07* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0246 | EA | 12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) | 1,856.67 | 152.34 |
| | | *For Cement Mortar Lining (CML), Add* | *162.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *292.65* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *121.94* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0247 | EA | 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) | 2,239.32 | 159.95 |
| | | *For Cement Mortar Lining (CML), Add* | *199.70* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *359.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *149.77* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0248 | EA | 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) | 2,303.47 | 167.30 |
| | | *For Cement Mortar Lining (CML), Add* | *205.00* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *369.00* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *153.75* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0249 | EA | 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) | 2,085.26 | 174.89 |
| | | *For Cement Mortar Lining (CML), Add* | *182.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *327.65* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *136.52* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0250 | EA | 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) | 2,460.33 | 177.51 |
| | | *For Cement Mortar Lining (CML), Add* | *219.14* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *394.45* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *164.35* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0251 | EA | 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) | 2,817.46 | 185.13 |
| | | *For Cement Mortar Lining (CML), Add* | *253.70* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *456.65* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *190.27* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0252 | EA | 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) | 3,682.75 | 192.47 |
| | | *For Cement Mortar Lining (CML), Add* | *339.11* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *610.41* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *254.34* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0253 | EA | 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) | 3,945.61 | 200.07 |
| | | *For Cement Mortar Lining (CML), Add* | *364.25* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *655.65* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *273.19* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0254 | EA | 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) | 3,854.72 | 212.66 |
| | | *For Cement Mortar Lining (CML), Add* | *353.25* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *635.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *264.94* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0255 | EA | 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) | 2,525.77 | 212.92 |
| | | *For Cement Mortar Lining (CML), Add* | *220.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *396.57* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *165.24* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0256 | EA | 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) | 2,780.80 | 220.53 |
| | | *For Cement Mortar Lining (CML), Add* | *244.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *440.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *183.50* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0257 | EA | 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) | 3,280.85 | 227.87 |
| | | *For Cement Mortar Lining (CML), Add* | *293.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *528.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *220.17* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0258 | EA | 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) | 3,671.35 | 235.48 |
| | | *For Cement Mortar Lining (CML), Add* | *331.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *596.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *248.59* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0259 | EA | 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) | 4,597.60 | 248.07 |
| | | *For Cement Mortar Lining (CML), Add* | *422.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *759.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *316.63* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0260 | EA | 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) | 4,432.00 | 265.77 |
| | | *For Cement Mortar Lining (CML), Add* | *402.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *725.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *302.20* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0261 | EA | 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) | 3,980.73 | 272.50 |
| | | *For Cement Mortar Lining (CML), Add* | *356.79* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *642.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *267.59* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0262 | EA | 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) | 4,286.80 | 280.10 |
| | | *For Cement Mortar Lining (CML), Add* | *386.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *695.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *289.68* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0263 | EA | 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) | 4,582.66 | 287.46 |
| | | *For Cement Mortar Lining (CML), Add* | *414.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *746.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *311.03* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0264 | EA | 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) | 4,904.43 | 295.06 |
| | | *For Cement Mortar Lining (CML), Add* | *445.74* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *802.33* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *334.30* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0265 | EA | 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) | 4,958.85 | 307.64 |
| | | *For Cement Mortar Lining (CML), Add* | *449.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *808.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *336.95* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0266 | EA | 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) | 5,009.23 | 325.35 |
| | | *For Cement Mortar Lining (CML), Add* | *451.63* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *812.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *338.72* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0267 | EA | 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) | 4,579.18 | 355.14 |
| | | *For Cement Mortar Lining (CML), Add* | *404.11* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *727.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *303.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0268 | EA | 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral) | 4,719.55 | 390.76 |
| | | *For Cement Mortar Lining (CML), Add* | *412.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *742.95* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *309.56* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0269 | EA | 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral) | 4,823.38 | 398.38 |
| | | *For Cement Mortar Lining (CML), Add* | *421.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *759.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *316.48* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0270 | EA | 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) | 5,297.91 | 405.72 |
| | | *For Cement Mortar Lining (CML), Add* | *468.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *842.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *351.24* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0271 | EA | 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) | 5,768.92 | 413.32 |
| | | *For Cement Mortar Lining (CML), Add* | *514.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *925.68* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *385.70* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0272 | EA | 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) | 5,827.26 | 425.91 |
| | | *For Cement Mortar Lining (CML), Add* | *518.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *932.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *388.65* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0273 | EA | 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) | 5,895.33 | 443.61 |
| | | *For Cement Mortar Lining (CML), Add* | *522.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *940.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *391.74* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0274 | EA | 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral) | 6,831.92 | 473.40 |
| | | *For Cement Mortar Lining (CML), Add* | *611.47* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,100.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *458.60* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0275 | EA | 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral) | 6,469.89 | 532.53 |
| | | *For Cement Mortar Lining (CML), Add* | *566.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,019.34* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *424.73* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0276 | EA | 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral) | 5,736.64 | 508.67 |
| | | *For Cement Mortar Lining (CML), Add* | *496.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *893.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *372.45* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0277 | EA | 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral) | 5,811.02 | 516.27 |
| | | *For Cement Mortar Lining (CML), Add* | *502.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *905.18* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *377.16* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0278 | EA | 24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) | 6,472.10 | 523.62 |
| | | *For Cement Mortar Lining (CML), Add* | *567.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,022.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *425.90* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0279 | EA | 24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) | 6,774.22 | 531.23 |
| | | *For Cement Mortar Lining (CML), Add* | *596.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,074.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *447.70* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0280 | EA | 24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) | 7,822.21 | 543.81 |
| | | *For Cement Mortar Lining (CML), Add* | *699.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,259.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *524.87* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0281 | EA | 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) | 8,691.43 | 561.50 |
| | | *For Cement Mortar Lining (CML), Add* | *784.07* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,411.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *588.05* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0282 | EA | 24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) | 9,726.22 | 591.31 |
| | | *For Cement Mortar Lining (CML), Add* | *883.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,589.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *662.27* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0283 | EA | 24" x 20" Mechanical Joint Ductile Iron Wye (Lateral) | 10,685.69 | 650.43 |
| | | *For Cement Mortar Lining (CML), Add* | *970.02* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,746.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *727.51* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0284 | EA | 24" x 24" Mechanical Joint Ductile Iron Wye (Lateral) | 9,479.04 | 709.38 |
| | | *For Cement Mortar Lining (CML), Add* | *840.42* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,512.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *630.32* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0285 | EA | 30" x 6" Mechanical Joint Ductile Iron Wye (Lateral) | 11,852.56 | 592.45 |
| | | *For Cement Mortar Lining (CML), Add* | *1,095.49* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,971.89* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *821.62* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0286 | EA | 30" x 8" Mechanical Joint Ductile Iron Wye (Lateral) | 13,289.67 | 600.06 |
| | | *For Cement Mortar Lining (CML), Add* | *1,238.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,228.49* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *928.54* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0287 | EA | 30" x 10" Mechanical Joint Ductile Iron Wye (Lateral) | 14,062.67 | 607.40 |
| | | *For Cement Mortar Lining (CML), Add* | *1,314.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,365.63* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *985.68* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0288 | EA | 30" x 12" Mechanical Joint Ductile Iron Wye (Lateral) | 14,836.08 | 615.01 |
| | | *For Cement Mortar Lining (CML), Add* | *1,390.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,502.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,042.82* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0289 | EA | 30" x 14" Mechanical Joint Ductile Iron Wye (Lateral) | 15,933.17 | 627.60 |
| | | *For Cement Mortar Lining (CML), Add* | *1,498.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,696.81* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,123.67* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0290 | EA | 30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) | 17,114.58 | 645.29 |
| | | *For Cement Mortar Lining (CML), Add* | *1,613.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,904.63* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,210.26* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0291 | EA | 30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) | 17,546.55 | 675.08 |
| | | *For Cement Mortar Lining (CML), Add* | *1,652.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,974.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,239.28* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0292 | EA | 30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) | 18,176.13 | 734.22 |
| | | *For Cement Mortar Lining (CML), Add* | *1,706.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,071.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,279.78* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0293 | EA | 30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) | 19,045.00 | 793.17 |
| | | *For Cement Mortar Lining (CML), Add* | *1,784.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,211.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,338.24* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0294 | EA | 30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) | 20,642.04 | 835.06 |
| | | *For Cement Mortar Lining (CML), Add* | *1,937.68* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,487.82* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,453.26* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0295 | EA | 36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) | 22,652.43 | 680.61 |
| | | *For Cement Mortar Lining (CML), Add* | *2,162.12* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,891.82* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,621.59* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0296 | EA | 36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) | 23,541.37 | 693.19 |
| | | *For Cement Mortar Lining (CML), Add* | *2,249.11* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,048.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,686.83* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0297 | EA | 36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) | 24,426.29 | 710.91 |
| | | *For Cement Mortar Lining (CML), Add* | *2,334.92* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,202.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,751.19* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0298 | EA | 36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) | 26,134.59 | 740.69 |
| | | *For Cement Mortar Lining (CML), Add* | *2,501.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,502.22* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,875.93* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0299 | EA | 36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) | 27,893.25 | 799.82 |
| | | *For Cement Mortar Lining (CML), Add* | *2,668.14* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,802.65* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,001.11* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0300 | EA | 36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) | 30,941.71 | 858.76 |
| | | *For Cement Mortar Lining (CML), Add* | *2,964.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,335.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,223.04* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0301 | EA | 36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) | 34,663.37 | 900.66 |
| | | *For Cement Mortar Lining (CML), Add* | *3,329.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,993.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,497.40* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0302 | EA | 36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) | 41,371.64 | 933.47 |
| | | *For Cement Mortar Lining (CML), Add* | *3,995.73* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *7,192.31* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,996.80* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0303 | EA | 42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) | 36,404.07 | 836.49 |
| | | *For Cement Mortar Lining (CML), Add* | *3,513.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *6,324.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,635.25* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0304 | EA | 42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) | 37,312.21 | 895.44 |
| | | *For Cement Mortar Lining (CML), Add* | *3,595.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *6,471.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,696.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0305 | EA | 42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) | 39,857.67 | 937.33 |
| | | *For Cement Mortar Lining (CML), Add* | *3,843.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *6,918.74* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,882.81* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0306 | EA | 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) | 45,582.17 | 970.14 |
| | | *For Cement Mortar Lining (CML), Add* | *4,411.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *7,940.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *3,308.42* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0307 | EA | 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) | 53,766.75 | 988.48 |
| | | *For Cement Mortar Lining (CML), Add* | *5,226.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *9,408.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *3,920.18* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0308 | EA | 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) | 35,911.38 | 894.92 |
| | | *For Cement Mortar Lining (CML), Add* | *3,455.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *6,219.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,591.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0309 | EA | 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral) | 40,674.06 | 953.87 |
| | | *For Cement Mortar Lining (CML), Add* | *3,922.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *7,061.18* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,942.16* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0310 | EA | 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral) | 43,351.09 | 995.76 |
| | | *For Cement Mortar Lining (CML), Add* | *4,184.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *7,531.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *3,138.18* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0311 | EA | 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral) | 49,419.22 | 1,028.57 |
| | | *For Cement Mortar Lining (CML), Add* | *4,786.08* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *8,614.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *3,589.56* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0312 | EA | 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral) | 64,625.63 | 1,046.90 |
| | | *For Cement Mortar Lining (CML), Add* | *6,303.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *11,347.09* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *4,727.96* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0313 | EA | 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral) | 70,953.41 | 1,076.12 |
| | | *For Cement Mortar Lining (CML), Add* | *6,932.29* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *12,478.13* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *5,199.22* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

## 33 14 13 13-0314 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0002)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0315 | EA | 6" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 568.33 | 113.36 |
| | | *For Cement Mortar Lining (CML), Add* | *39.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *71.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *29.75* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *29.75* | |
| 33 14 13 13-0316 | EA | 8" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 675.18 | 129.41 |
| | | *For Cement Mortar Lining (CML), Add* | *47.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *86.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *35.93* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *35.93* | |
| 33 14 13 13-0317 | EA | 10" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 1,024.64 | 137.13 |
| | | *For Cement Mortar Lining (CML), Add* | *81.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *147.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *61.26* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *61.26* | |
| 33 14 13 13-0318 | EA | 12" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 1,151.74 | 152.34 |
| | | *For Cement Mortar Lining (CML), Add* | *92.09* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *165.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *69.07* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *69.07* | |
| 33 14 13 13-0319 | EA | 14" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 1,572.78 | 177.51 |
| | | *For Cement Mortar Lining (CML), Add* | *130.38* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *234.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *97.79* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *97.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0320 | EA | 16" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 2,009.34 | 212.92 |
| | | *For Cement Mortar Lining (CML), Add* | *168.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *303.61* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *126.50* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *126.50* | |
| 33 14 13 13-0321 | EA | 18" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 2,466.80 | 272.50 |
| | | *For Cement Mortar Lining (CML), Add* | *205.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *369.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *154.04* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *154.04* | |
| 33 14 13 13-0322 | EA | 20" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 3,456.95 | 390.76 |
| | | *For Cement Mortar Lining (CML), Add* | *286.49* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *515.68* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *214.87* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *214.87* | |
| 33 14 13 13-0323 | EA | 24" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 4,016.97 | 508.67 |
| | | *For Cement Mortar Lining (CML), Add* | *328.31* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *590.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *246.24* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *246.24* | |
| 33 14 13 13-0324 | EA | 30" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 7,870.38 | 592.45 |
| | | *For Cement Mortar Lining (CML), Add* | *697.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,255.09* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *522.96* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *522.96* | |

## 33 14 13 13-0325 Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee *(33 14 13 13-0002)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0326 | EA | 6" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee | 509.42 | 113.36 |
| | | Note: Includes swivel gland. | | |
| | | *For Cement Mortar Lining (CML), Add* | *33.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *60.79* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *25.33* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *25.33* | |
| 33 14 13 13-0327 | EA | 8" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee | 596.63 | 129.41 |
| | | Note: Includes swivel gland. | | |
| | | *For Cement Mortar Lining (CML), Add* | *40.06* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *72.10* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *30.04* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *30.04* | |
| 33 14 13 13-0328 | EA | 10" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee | 851.84 | 137.13 |
| | | Note: Includes swivel gland. | | |
| | | *For Cement Mortar Lining (CML), Add* | *64.41* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *115.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *48.30* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *48.30* | |
| 33 14 13 13-0329 | EA | 12" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee | 1,055.52 | 152.34 |
| | | Note: Includes swivel gland. | | |
| | | *For Cement Mortar Lining (CML), Add* | *82.47* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *148.45* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *61.85* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *61.85* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0330 | EA | 14" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee | 1,329.29 | 177.51 |
| | | Note: Includes swivel gland. | | |
| | | *For Cement Mortar Lining (CML), Add* | *106.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *190.86* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *79.53* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *79.53* | |
| 33 14 13 13-0331 | EA | 16" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee | 1,679.46 | 212.92 |
| | | Note: Includes swivel gland. | | |
| | | *For Cement Mortar Lining (CML), Add* | *135.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *244.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *101.76* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *101.76* | |
| 33 14 13 13-0332 | EA | 18" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee | 2,170.29 | 272.50 |
| | | Note: Includes swivel gland. | | |
| | | *For Cement Mortar Lining (CML), Add* | *175.74* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *316.34* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *131.81* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *131.81* | |
| 33 14 13 13-0333 | EA | 20" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee | 2,363.23 | 390.76 |
| | | Note: Includes swivel gland. | | |
| | | *For Cement Mortar Lining (CML), Add* | *177.12* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *318.81* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *132.84* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *132.84* | |
| 33 14 13 13-0334 | EA | 24" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee | 3,284.55 | 508.67 |
| | | Note: Includes swivel gland. | | |
| | | *For Cement Mortar Lining (CML), Add* | *255.07* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *459.13* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *191.30* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Protective Fusion-Bonded Epoxy Coated, C116, Add* | *191.30* | |

## 33 14 13 13-0335 Mechanical Joint Ductile Iron Cross *(33 14 13 13-0002)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0336 | EA | 3" x 3" Mechanical Joint Ductile Iron Cross | 385.79 | 87.44 |
| | | *For Cement Mortar Lining (CML), Add* | *25.33* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *45.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *19.00* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0337 | EA | 4" x 3" Mechanical Joint Ductile Iron Cross | 468.16 | 95.15 |
| | | *For Cement Mortar Lining (CML), Add* | *32.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *58.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *24.30* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0338 | EA | 4" x 4" Mechanical Joint Ductile Iron Cross | 556.53 | 96.44 |
| | | *For Cement Mortar Lining (CML), Add* | *41.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *73.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *30.78* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0339 | EA | 6" x 3" Mechanical Joint Ductile Iron Cross | 663.76 | 119.21 |
| | | *For Cement Mortar Lining (CML), Add* | *48.31* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *86.95* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *36.23* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0340 | EA | 6" x 4" Mechanical Joint Ductile Iron Cross | 642.53 | 128.59 |
| | | *For Cement Mortar Lining (CML), Add* | *44.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *80.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *33.58* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0341 | EA | 6" x 6" Mechanical Joint Ductile Iron Cross | 746.21 | 160.73 |
| | | *For Cement Mortar Lining (CML), Add* | *50.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *90.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *37.70* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0342 | EA | 8" x 4" Mechanical Joint Ductile Iron Cross | 658.86 | 140.65 |
| | | *For Cement Mortar Lining (CML), Add* | *44.57* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *80.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *33.43* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0343 | EA | 8" x 6" Mechanical Joint Ductile Iron Cross | 782.17 | 172.80 |
| | | *For Cement Mortar Lining (CML), Add* | *52.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *93.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *39.03* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0344 | EA | 8" x 8" Mechanical Joint Ductile Iron Cross | 827.94 | 184.85 |
| | | *For Cement Mortar Lining (CML), Add* | *54.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *98.61* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *41.09* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0345 | EA | 10" x 4" Mechanical Joint Ductile Iron Cross | 804.02 | 147.04 |
| | | *For Cement Mortar Lining (CML), Add* | *58.12* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *104.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *43.59* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0346 | EA | 10" x 6" Mechanical Joint Ductile Iron Cross | 920.80 | 177.46 |
| | | *For Cement Mortar Lining (CML), Add* | *65.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *117.35* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *48.89* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0347 | EA | 10" x 8" Mechanical Joint Ductile Iron Cross | 1,095.17 | 188.88 |
| | | *For Cement Mortar Lining (CML), Add* | *80.90* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *145.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *60.68* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0348 | EA | 10" x 10" Mechanical Joint Ductile Iron Cross | 1,185.04 | 202.79 |
| | | *For Cement Mortar Lining (CML), Add* | *87.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *157.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *65.83* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0349 | EA | 12 x 4" Mechanical Joint Ductile Iron Cross | 976.36 | 159.70 |
| | | *For Cement Mortar Lining (CML), Add* | *73.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *132.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *55.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0350 | EA | 12" x 6" Mechanical Joint Ductile Iron Cross | 1,134.36 | 190.11 |
| | | *For Cement Mortar Lining (CML), Add* | *84.63* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *152.34* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *63.47* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0351 | EA | 12" x 8" Mechanical Joint Ductile Iron Cross | 1,640.60 | 201.54 |
| | | *For Cement Mortar Lining (CML), Add* | *133.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *240.35* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *100.14* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0352 | EA | 12" x 10" Mechanical Joint Ductile Iron Cross | 1,661.74 | 215.49 |
| | | *For Cement Mortar Lining (CML), Add* | *133.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *240.35* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *100.14* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0353 | EA | 12" x 12" Mechanical Joint Ductile Iron Cross | 1,887.09 | 228.14 |
| | | *For Cement Mortar Lining (CML), Add* | *154.14* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *277.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *115.61* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0354 | EA | 14" x 6" Mechanical Joint Ductile Iron Cross | 1,934.86 | 209.11 |
| | | *For Cement Mortar Lining (CML), Add* | *161.80* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *291.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *121.35* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0355 | EA | 14" x 8" Mechanical Joint Ductile Iron Cross | 2,278.11 | 220.53 |
| | | *For Cement Mortar Lining (CML), Add* | *194.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *349.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *145.80* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0356 | EA | 14" x 10" Mechanical Joint Ductile Iron Cross | 2,338.53 | 234.48 |
| | | *For Cement Mortar Lining (CML), Add* | *198.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *356.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *148.74* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0357 | EA | 14" x 12" Mechanical Joint Ductile Iron Cross | 2,467.66 | 247.14 |
| | | *For Cement Mortar Lining (CML), Add* | *209.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *376.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *156.99* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0358 | EA | 14" x 14" Mechanical Joint Ductile Iron Cross | 2,730.12 | 266.16 |
| | | *For Cement Mortar Lining (CML), Add* | *232.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *418.84* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *174.52* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0359 | EA | 16" x 6" Mechanical Joint Ductile Iron Cross | 2,212.75 | 235.72 |
| | | *For Cement Mortar Lining (CML), Add* | *185.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *334.01* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *139.17* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0360 | EA | 16" x 8" Mechanical Joint Ductile Iron Cross | 2,518.70 | 247.14 |
| | | *For Cement Mortar Lining (CML), Add* | *214.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *385.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *160.82* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0361 | EA | 16" x 10" Mechanical Joint Ductile Iron Cross | 3,016.18 | 261.08 |
| | | *For Cement Mortar Lining (CML), Add* | *262.06* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *471.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *196.55* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0362 | EA | 16" x 12" Mechanical Joint Ductile Iron Cross | 3,362.13 | 273.74 |
| | | *For Cement Mortar Lining (CML), Add* | *294.74* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *530.52* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *221.05* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0363 | EA | 16" x 14" Mechanical Joint Ductile Iron Cross | 4,062.47 | 292.74 |
| | | *For Cement Mortar Lining (CML), Add* | *361.89* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *651.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *271.42* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0364 | EA | 16" x 16" Mechanical Joint Ductile Iron Cross | 4,756.64 | 319.39 |
| | | *For Cement Mortar Lining (CML), Add* | *427.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *769.10* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *320.46* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0365 | EA | 18" x 6" Mechanical Joint Ductile Iron Cross | 3,664.21 | 278.73 |
| | | *For Cement Mortar Lining (CML), Add* | *324.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *583.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *243.14* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0366 | EA | 18" x 8" Mechanical Joint Ductile Iron Cross | 3,873.96 | 290.15 |
| | | *For Cement Mortar Lining (CML), Add* | *343.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *618.18* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *257.58* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0367 | EA | 18" x 10" Mechanical Joint Ductile Iron Cross | 4,056.10 | 304.09 |
| | | *For Cement Mortar Lining (CML), Add* | *359.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *647.16* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *269.65* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0368 | EA | 18" x 12" Mechanical Joint Ductile Iron Cross | 4,397.30 | 316.76 |
| | | *For Cement Mortar Lining (CML), Add* | *391.74* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *705.13* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *293.80* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0369 | EA | 18" x 14" Mechanical Joint Ductile Iron Cross | 5,131.02 | 335.75 |
| | | *For Cement Mortar Lining (CML), Add* | *462.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *832.02* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *346.67* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0370 | EA | 18" x 16" Mechanical Joint Ductile Iron Cross | 5,461.95 | 362.35 |
| | | *For Cement Mortar Lining (CML), Add* | *491.29* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *884.33* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *368.47* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0371 | EA | 18" x 18" Mechanical Joint Ductile Iron Cross | 5,719.54 | 405.35 |
| | | *For Cement Mortar Lining (CML), Add* | *510.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *918.96* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *382.90* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0372 | EA | 20" x 6" Mechanical Joint Ductile Iron Cross | 4,606.32 | 349.72 |
| | | *For Cement Mortar Lining (CML), Add* | *407.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *733.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *305.73* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0373 | EA | 20" x 8" Mechanical Joint Ductile Iron Cross | 4,818.02 | 361.14 |
| | | *For Cement Mortar Lining (CML), Add* | *427.08* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *768.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *320.31* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0374 | EA | 20" x 10" Mechanical Joint Ductile Iron Cross | 4,966.78 | 375.09 |
| | | *For Cement Mortar Lining (CML), Add* | *439.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *791.72* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *329.88* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0375 | EA | 20" x 12" Mechanical Joint Ductile Iron Cross | 5,306.03 | 387.74 |
| | | *For Cement Mortar Lining (CML), Add* | *471.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *849.34* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *353.89* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0376 | EA | 20" x 14" Mechanical Joint Ductile Iron Cross | 5,399.61 | 406.75 |
| | | *For Cement Mortar Lining (CML), Add* | *478.33* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *861.00* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *358.75* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0377 | EA | 20" x 16" Mechanical Joint Ductile Iron Cross | 6,531.68 | 433.35 |
| | | *For Cement Mortar Lining (CML), Add* | *587.51* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,057.52* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *440.63* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0378 | EA | 20" x 18" Mechanical Joint Ductile Iron Cross | 6,789.27 | 476.36 |
| | | *For Cement Mortar Lining (CML), Add* | *606.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,092.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *455.06* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0379 | EA | 20" x 20" Mechanical Joint Ductile Iron Cross | 7,346.51 | 547.30 |
| | | *For Cement Mortar Lining (CML), Add* | *651.72* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,173.09* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *488.79* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0380 | EA | 24" x 6" Mechanical Joint Ductile Iron Cross | 6,280.72 | 437.48 |
| | | *For Cement Mortar Lining (CML), Add* | *561.79* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,011.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *421.34* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0381 | EA | 24" x 8" Mechanical Joint Ductile Iron Cross | 6,427.96 | 448.91 |
| | | *For Cement Mortar Lining (CML), Add* | *574.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,034.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *431.06* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0382 | EA | 24" x 10" Mechanical Joint Ductile Iron Cross | 6,672.59 | 462.85 |
| | | *For Cement Mortar Lining (CML), Add* | *597.13* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,074.84* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *447.85* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0383 | EA | 24" x 12" Mechanical Joint Ductile Iron Cross | 6,884.21 | 475.50 |
| | | *For Cement Mortar Lining (CML), Add* | *616.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,109.47* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *462.28* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0384 | EA | 24" x 14" Mechanical Joint Ductile Iron Cross | 7,009.21 | 494.51 |
| | | *For Cement Mortar Lining (CML), Add* | *626.00* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,126.79* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *469.50* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0385 | EA | 24" x 16" Mechanical Joint Ductile Iron Cross | 7,275.32 | 521.11 |
| | | *For Cement Mortar Lining (CML), Add* | *648.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,167.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *486.43* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0386 | EA | 24" x 18" Mechanical Joint Ductile Iron Cross | 9,620.23 | 564.12 |
| | | *For Cement Mortar Lining (CML), Add* | *876.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,577.79* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *657.41* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0387 | EA | 24" x 20" Mechanical Joint Ductile Iron Cross | 10,144.08 | 635.11 |
| | | *For Cement Mortar Lining (CML), Add* | *918.18* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,652.72* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *688.63* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0388 | EA | 24" x 24" Mechanical Joint Ductile Iron Cross | 11,176.37 | 722.90 |
| | | *For Cement Mortar Lining (CML), Add* | *1,008.11* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,814.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *756.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0389 | EA | 30" x 8" Mechanical Joint Ductile Iron Cross | 12,016.94 | 581.69 |
| | | *For Cement Mortar Lining (CML), Add* | *1,113.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,004.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *835.17* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0390 | EA | 30" x 10" Mechanical Joint Ductile Iron Cross | 12,256.03 | 595.64 |
| | | *For Cement Mortar Lining (CML), Add* | *1,135.35* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,043.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *851.52* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0391 | EA | 30" x 12" Mechanical Joint Ductile Iron Cross | 12,491.21 | 608.30 |
| | | *For Cement Mortar Lining (CML), Add* | *1,156.95* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,082.52* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *867.71* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0392 | EA | 30" x 14" Mechanical Joint Ductile Iron Cross | 12,769.37 | 627.31 |
| | | *For Cement Mortar Lining (CML), Add* | *1,181.89* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,127.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *886.42* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0393 | EA | 30" x 16" Mechanical Joint Ductile Iron Cross | 13,088.50 | 653.90 |
| | | *For Cement Mortar Lining (CML), Add* | *1,209.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,177.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *907.33* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0394 | EA | 30" x 18" Mechanical Joint Ductile Iron Cross | 13,463.92 | 696.91 |
| | | *For Cement Mortar Lining (CML), Add* | *1,240.80* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,233.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *930.60* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0395 | EA | 30" x 20" Mechanical Joint Ductile Iron Cross | 13,942.61 | 767.91 |
| | | *For Cement Mortar Lining (CML), Add* | *1,277.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,300.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *958.43* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0396 | EA | 30" x 24" Mechanical Joint Ductile Iron Cross | 17,926.20 | 855.67 |
| | | *For Cement Mortar Lining (CML), Add* | *1,662.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,993.35* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,247.23* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0397 | EA | 30" x 30" Mechanical Joint Ductile Iron Cross | 20,613.32 | 988.49 |
| | | *For Cement Mortar Lining (CML), Add* | *1,911.57* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,440.82* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,433.67* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0398 | EA | 36" x 8" Mechanical Joint Ductile Iron Cross | 16,776.26 | 630.65 |
| | | *For Cement Mortar Lining (CML), Add* | *1,582.07* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,847.73* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,186.55* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0399 | EA | 36" x 10" Mechanical Joint Ductile Iron Cross | 17,013.38 | 644.59 |
| | | *For Cement Mortar Lining (CML), Add* | *1,603.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,886.61* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,202.75* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0400 | EA | 36" x 12" Mechanical Joint Ductile Iron Cross | 17,217.14 | 657.26 |
| | | *For Cement Mortar Lining (CML), Add* | *1,622.13* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,919.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,216.60* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0401 | EA | 36" x 14" Mechanical Joint Ductile Iron Cross | 17,461.92 | 676.25 |
| | | *For Cement Mortar Lining (CML), Add* | *1,643.73* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,958.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,232.80* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0402 | EA | 36" x 16" Mechanical Joint Ductile Iron Cross | 17,749.64 | 702.86 |
| | | *For Cement Mortar Lining (CML), Add* | *1,668.47* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,003.25* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,251.35* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0403 | EA | 36" x 18" Mechanical Joint Ductile Iron Cross | 18,091.68 | 745.86 |
| | | *For Cement Mortar Lining (CML), Add* | *1,696.16* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,053.08* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,272.12* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0404 | EA | 36" x 20" Mechanical Joint Ductile Iron Cross | 18,538.95 | 816.86 |
| | | *For Cement Mortar Lining (CML), Add* | *1,730.13* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,114.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,297.60* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0405 | EA | 36" x 24" Mechanical Joint Ductile Iron Cross | 19,319.91 | 904.63 |
| | | *For Cement Mortar Lining (CML), Add* | *1,794.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,230.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,346.20* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0406 | EA | 36" x 30" Mechanical Joint Ductile Iron Cross | 26,028.49 | 1,037.41 |
| | | *For Cement Mortar Lining (CML), Add* | *2,445.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,402.20* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,834.25* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0407 | EA | 36" x 36" Mechanical Joint Ductile Iron Cross | 28,600.36 | 1,086.42 |
| | | *For Cement Mortar Lining (CML), Add* | *2,695.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,851.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,021.58* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0408 | EA | 42" x 12" Mechanical Joint Ductile Iron Cross | 22,522.48 | 685.55 |
| | | *For Cement Mortar Lining (CML), Add* | *2,148.38* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,867.08* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,611.28* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0409 | EA | 42" x 14" Mechanical Joint Ductile Iron Cross | 25,468.68 | 704.56 |
| | | *For Cement Mortar Lining (CML), Add* | *2,440.12* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,392.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,830.09* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0410 | EA | 42" x 16" Mechanical Joint Ductile Iron Cross | 23,033.37 | 731.16 |
| | | *For Cement Mortar Lining (CML), Add* | *2,192.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,946.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,644.42* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0411 | EA | 42" x 18" Mechanical Joint Ductile Iron Cross | 23,336.14 | 774.17 |
| | | *For Cement Mortar Lining (CML), Add* | *2,216.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3,989.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,662.24* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0412 | EA | 42" x 20" Mechanical Joint Ductile Iron Cross | 23,767.71 | 845.17 |
| | | *For Cement Mortar Lining (CML), Add* | *2,248.72* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,047.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,686.54* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0413 | EA | 42" x 24" Mechanical Joint Ductile Iron Cross | 24,491.71 | 932.92 |
| | | *For Cement Mortar Lining (CML), Add* | *2,307.82* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4,154.07* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,730.86* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0414 | EA | 42" x 30" Mechanical Joint Ductile Iron Cross | 31,361.31 | 1,065.72 |
| | | *For Cement Mortar Lining (CML), Add* | *2,974.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,354.38* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,230.99* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0415 | EA | 42" x 36" Mechanical Joint Ductile Iron Cross | 40,968.75 | 1,114.67 |
| | | *For Cement Mortar Lining (CML), Add* | *3,927.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *7,070.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,945.99* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0416 | EA | 42" x 42" Mechanical Joint Ductile Iron Cross | 43,902.05 | 1,143.00 |
| | | *For Cement Mortar Lining (CML), Add* | *4,217.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *7,590.65* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *3,162.77* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0417 | EA | 48" x 12" Mechanical Joint Ductile Iron Cross | 30,454.85 | 797.93 |
| | | *For Cement Mortar Lining (CML), Add* | *2,924.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,264.25* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,193.44* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0418 | EA | 48" x 14" Mechanical Joint Ductile Iron Cross | 30,660.37 | 816.94 |
| | | *For Cement Mortar Lining (CML), Add* | *2,942.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,296.06* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,206.69* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0419 | EA | 48" x 16" Mechanical Joint Ductile Iron Cross | 30,936.30 | 843.54 |
| | | *For Cement Mortar Lining (CML), Add* | *2,965.82* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,338.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,224.37* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0420 | EA | 48" x 18" Mechanical Joint Ductile Iron Cross | 31,237.10 | 886.55 |
| | | *For Cement Mortar Lining (CML), Add* | *2,989.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,380.89* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,242.04* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0421 | EA | 48" x 20" Mechanical Joint Ductile Iron Cross | 31,641.18 | 957.54 |
| | | *For Cement Mortar Lining (CML), Add* | *3,019.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,434.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,264.28* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0422 | EA | 48" x 24" Mechanical Joint Ductile Iron Cross | 32,333.77 | 1,045.30 |
| | | *For Cement Mortar Lining (CML), Add* | *3,075.00* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,535.00* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,306.25* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0423 | EA | 48" x 30" Mechanical Joint Ductile Iron Cross | 34,217.79 | 1,178.10 |
| | | *For Cement Mortar Lining (CML), Add* | *3,243.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5,837.90* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2,432.46* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0424 | EA | 48" x 36" Mechanical Joint Ductile Iron Cross | 41,934.28 | 1,227.05 |
| | | *For Cement Mortar Lining (CML), Add* | *4,007.51* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *7,213.52* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *3,005.63* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0425 | EA | 48" x 42" Mechanical Joint Ductile Iron Cross | 53,929.61 | 1,255.36 |
| | | *For Cement Mortar Lining (CML), Add* | *5,202.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *9,364.96* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *3,902.07* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0426 | EA | 48" x 48" Mechanical Joint Ductile Iron Cross | 57,434.06 | 1,367.67 |
| | | *For Cement Mortar Lining (CML), Add* | *5,536.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *9,965.11* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *4,152.13* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| **33 14 13 13-0427** | | **Mechanical Joint x Mechanical Joint Ductile Iron Reducers** *(33 14 13 13-0002)* | | |
| 33 14 13 13-0428 | EA | 4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 185.98 | 47.58 |
| | | *For Cement Mortar Lining (CML), Add* | *11.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *20.50* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *8.54* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0429 | EA | 6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 216.02 | 59.63 |
| | | *For Cement Mortar Lining (CML), Add* | *12.57* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *22.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *9.43* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0430 | EA | 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 233.65 | 63.49 |
| | | *For Cement Mortar Lining (CML), Add* | *13.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *24.74* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *10.31* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0431 | EA | 8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 297.00 | 71.54 |
| | | *For Cement Mortar Lining (CML), Add* | *18.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *33.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *14.14* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0432 | EA | 8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 326.93 | 83.58 |
| | | *For Cement Mortar Lining (CML), Add* | *20.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *36.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *15.02* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0433 | EA | 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 359.13 | 75.03 |
| | | *For Cement Mortar Lining (CML), Add* | *24.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *44.18* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *18.41* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0434 | EA | 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 390.16 | 86.44 |
| | | *For Cement Mortar Lining (CML), Add* | *25.92* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *46.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *19.44* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0435 | EA | 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 427.21 | 94.04 |
| | | *For Cement Mortar Lining (CML), Add* | *28.47* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *51.25* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *21.35* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0436 | EA | 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 435.45 | 82.64 |
| | | *For Cement Mortar Lining (CML), Add* | *31.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *55.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *23.27* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0437 | EA | 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 484.15 | 94.04 |
| | | *For Cement Mortar Lining (CML), Add* | *34.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *61.50* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *25.63* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0438 | EA | 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 505.50 | 101.65 |
| | | *For Cement Mortar Lining (CML), Add* | *35.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *63.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *26.36* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0439 | EA | 12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 553.94 | 109.00 |
| | | *For Cement Mortar Lining (CML), Add* | *38.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *69.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *29.16* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0440 | EA | 14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 919.51 | 106.63 |
| | | *For Cement Mortar Lining (CML), Add* | *75.80* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *136.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *56.85* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0441 | EA | 14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 891.76 | 114.24 |
| | | *For Cement Mortar Lining (CML), Add* | *71.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *129.36* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *53.90* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0442 | EA | 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 796.85 | 121.58 |
| | | *For Cement Mortar Lining (CML), Add* | *61.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *110.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *45.95* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0443 | EA | 14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 837.84 | 129.18 |
| | | *For Cement Mortar Lining (CML), Add* | *64.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *115.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *48.16* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0444 | EA | 16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,079.85 | 124.32 |
| | | *For Cement Mortar Lining (CML), Add* | *89.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *160.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *66.86* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0445 | EA | 16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,058.00 | 131.94 |
| | | *For Cement Mortar Lining (CML), Add* | *85.81* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *154.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *64.36* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0446 | EA | 16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,037.72 | 139.29 |
| | | *For Cement Mortar Lining (CML), Add* | *82.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *148.80* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *62.00* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0447 | EA | 16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,125.82 | 146.89 |
| | | *For Cement Mortar Lining (CML), Add* | *90.33* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *162.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *67.74* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0448 | EA | 16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,252.88 | 159.48 |
| | | *For Cement Mortar Lining (CML), Add* | *101.13* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *182.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *75.84* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0449 | EA | 18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,346.62 | 161.72 |
| | | *For Cement Mortar Lining (CML), Add* | *110.16* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *198.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *82.62* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0450 | EA | 18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,510.91 | 169.08 |
| | | *For Cement Mortar Lining (CML), Add* | *125.47* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *225.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *94.11* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0451 | EA | 18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,455.67 | 176.68 |
| | | *For Cement Mortar Lining (CML), Add* | *118.80* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *213.84* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *89.10* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0452 | EA | 18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,543.47 | 189.26 |
| | | *For Cement Mortar Lining (CML), Add* | *125.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *226.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *94.25* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0453 | EA | 18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,625.27 | 206.97 |
| | | *For Cement Mortar Lining (CML), Add* | *131.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *236.10* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *98.38* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0454 | EA | 20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,901.59 | 220.87 |
| | | *For Cement Mortar Lining (CML), Add* | *156.70* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *282.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *117.52* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0455 | EA | 20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,822.40 | 228.20 |
| | | *For Cement Mortar Lining (CML), Add* | *147.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *265.79* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *110.75* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0456 | EA | 20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,678.79 | 235.81 |
| | | *For Cement Mortar Lining (CML), Add* | *132.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *237.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *99.11* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0457 | EA | 20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,688.04 | 248.39 |
| | | *For Cement Mortar Lining (CML), Add* | *131.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *236.10* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *98.38* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0458 | EA | 20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,742.36 | 266.11 |
| | | *For Cement Mortar Lining (CML), Add* | *133.92* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *241.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *100.44* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0459 | EA | 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,091.84 | 295.89 |
| | | *For Cement Mortar Lining (CML), Add* | *164.35* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *295.84* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *123.26* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0460 | EA | 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,471.08 | 294.76 |
| | | *For Cement Mortar Lining (CML), Add* | *202.45* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *364.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *151.84* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0461 | EA | 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,541.21 | 307.35 |
| | | *For Cement Mortar Lining (CML), Add* | *207.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *373.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *155.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0462 | EA | 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,595.52 | 325.05 |
| | | *For Cement Mortar Lining (CML), Add* | *210.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *378.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *157.73* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0463 | EA | 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,548.37 | 354.84 |
| | | *For Cement Mortar Lining (CML), Add* | *201.07* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *361.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *150.80* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0464 | EA | 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 3,117.07 | 413.98 |
| | | *For Cement Mortar Lining (CML), Add* | *248.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *448.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *186.74* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0465 | EA | 30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 5,121.35 | 366.95 |
| | | *For Cement Mortar Lining (CML), Add* | *456.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *821.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *342.40* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0466 | EA | 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 5,347.13 | 396.73 |
| | | *For Cement Mortar Lining (CML), Add* | *474.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *854.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *355.95* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0467 | EA | 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 5,173.61 | 455.87 |
| | | *For Cement Mortar Lining (CML), Add* | *448.29* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *806.92* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *336.22* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0468 | EA | 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 5,048.89 | 514.82 |
| | | *For Cement Mortar Lining (CML), Add* | *426.89* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *768.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *320.17* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0469 | EA | 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 7,685.65 | 488.67 |
| | | *For Cement Mortar Lining (CML), Add* | *694.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,250.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *520.89* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0470 | EA | 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 6,343.51 | 547.62 |
| | | *For Cement Mortar Lining (CML), Add* | *551.38* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *992.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *413.53* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0471 | EA | 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 6,890.02 | 589.51 |
| | | *For Cement Mortar Lining (CML), Add* | *599.68* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,079.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *449.76* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0472 | EA | 42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 10,011.60 | 418.08 |
| | | *For Cement Mortar Lining (CML), Add* | *937.82* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,688.07* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *703.36* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0473 | EA | 42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 9,970.34 | 447.86 |
| | | *For Cement Mortar Lining (CML), Add* | *929.18* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,672.52* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *696.88* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0474 | EA | 42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 10,028.52 | 507.00 |
| | | *For Cement Mortar Lining (CML), Add* | *926.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,666.86* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *694.53* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0475 | EA | 42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 11,191.93 | 565.96 |
| | | *For Cement Mortar Lining (CML), Add* | *1,033.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,860.20* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *775.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0476 | EA | 42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 9,217.18 | 607.84 |
| | | *For Cement Mortar Lining (CML), Add* | *829.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,493.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *622.22* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0477 | EA | 42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 9,647.82 | 640.64 |
| | | *For Cement Mortar Lining (CML), Add* | *867.72* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,561.89* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *650.79* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0478 | EA | 48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 13,500.03 | 447.30 |
| | | *For Cement Mortar Lining (CML), Add* | *1,282.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,308.02* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *961.67* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0479 | EA | 48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 13,085.68 | 477.09 |
| | | *For Cement Mortar Lining (CML), Add* | *1,236.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,225.31* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *927.21* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0480 | EA | 48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 12,468.38 | 536.21 |
| | | *For Cement Mortar Lining (CML), Add* | *1,165.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,098.07* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *874.19* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0481 | EA | 48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 12,854.19 | 595.16 |
| | | *For Cement Mortar Lining (CML), Add* | *1,195.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,151.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *896.43* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0482 | EA | 48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 15,366.29 | 637.06 |
| | | *For Cement Mortar Lining (CML), Add* | *1,440.10* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,592.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,080.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0483 | EA | 48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 13,450.41 | 669.86 |
| | | *For Cement Mortar Lining (CML), Add* | *1,243.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,238.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *932.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0484 | EA | 48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 14,770.25 | 688.19 |
| | | *For Cement Mortar Lining (CML), Add* | *1,372.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,470.96* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1,029.56* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0485 | | **Mechanical Joint x Plain End Ductile Iron Offsets** *(33 14 13 13-0002)* | | |
| 33 14 13 13-0486 | EA | 4" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron | 879.86 | 176.81 |
| | | *For Cement Mortar Lining (CML), Add* | *61.20* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *45.90* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0487 | EA | 4" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron | 904.45 | 176.81 |
| | | *For Cement Mortar Lining (CML), Add* | *63.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *47.74* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0488 | EA | 6" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron | 1,088.26 | 221.00 |
| | | *For Cement Mortar Lining (CML), Add* | *75.34* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *56.51* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0489 | EA | 6" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron | 1,189.67 | 221.00 |
| | | *For Cement Mortar Lining (CML), Add* | *85.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *64.11* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0490 | EA | 6" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron | 1,316.99 | 221.00 |
| | | *For Cement Mortar Lining (CML), Add* | *98.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *73.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0491 | EA | 8" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron | 1,383.01 | 252.55 |
| | | *For Cement Mortar Lining (CML), Add* | *100.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *75.02* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0492 | EA | 8" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron | 1,637.78 | 252.55 |
| | | *For Cement Mortar Lining (CML), Add* | *125.51* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *94.13* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0493 | EA | 8" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron | 1,748.95 | 252.55 |
| | | *For Cement Mortar Lining (CML), Add* | *136.63* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *102.47* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0494 | EA | 10" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron | 1,812.73 | 294.68 |
| | | *For Cement Mortar Lining (CML), Add* | *136.63* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *102.47* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0495 | EA | 10" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron | 2,174.29 | 294.68 |
| | | *For Cement Mortar Lining (CML), Add* | *172.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *129.59* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0496 | EA | 10" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron | 2,484.35 | 294.68 |
| | | *For Cement Mortar Lining (CML), Add* | *203.79* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *152.84* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0497 | EA | 12" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron | 2,578.63 | 321.47 |
| | | *For Cement Mortar Lining (CML), Add* | *209.16* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *156.87* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0498 | EA | 12" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron | 2,851.45 | 321.47 |
| | | *For Cement Mortar Lining (CML), Add* | *236.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *177.33* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0499 | EA | 12" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron | 3,379.07 | 321.47 |
| | | *For Cement Mortar Lining (CML), Add* | *289.20* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *216.90* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0500 | EA | 14" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron | 4,246.02 | 353.61 |
| | | *For Cement Mortar Lining (CML), Add* | *371.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *278.27* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0501 | EA | 14" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron | 5,337.27 | 353.61 |
| | | *For Cement Mortar Lining (CML), Add* | *480.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *360.11* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0502 | EA | 14" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron | 3,127.49 | 353.61 |
| | | *For Cement Mortar Lining (CML), Add* | *259.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *194.38* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0503 | EA | 16" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron | 2,595.94 | 392.94 |
| | | *For Cement Mortar Lining (CML), Add* | *200.06* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *150.05* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0504 | EA | 16" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron | 3,232.50 | 392.94 |
| | | *For Cement Mortar Lining (CML), Add* | *263.72* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *197.79* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0505 | EA | 16" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron | 3,732.66 | 392.94 |
| | | *For Cement Mortar Lining (CML), Add* | *313.74* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *235.30* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

## 33 14 13 13-0506 Mechanical Joint Ductile Iron Caps *(33 14 13 13-0002)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0507 | EA | 3" Mechanical Joint Ductile Iron Caps | 203.26 | 100.46 |
| | | *For Cement Mortar Lining (CML), Add* | *5.11* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *9.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *3.83* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0508 | EA | 4" Mechanical Joint Ductile Iron Caps | 231.61 | 117.87 |
| | | *For Cement Mortar Lining (CML), Add* | *5.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *9.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *3.98* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0509 | EA | 6" Mechanical Joint Ductile Iron Caps | 317.49 | 147.34 |
| | | *For Cement Mortar Lining (CML), Add* | *9.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *16.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *7.07* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0510 | EA | 8" Mechanical Joint Ductile Iron Caps | 412.23 | 168.41 |
| | | *For Cement Mortar Lining (CML), Add* | *15.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *28.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *11.78* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0511 | EA | 10" Mechanical Joint Ductile Iron Caps | 582.39 | 253.48 |
| | | *For Cement Mortar Lining (CML), Add* | *19.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *35.70* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *14.87* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0512 | EA | 12" Mechanical Joint Ductile Iron Caps | 715.48 | 276.54 |
| | | *For Cement Mortar Lining (CML), Add* | *29.65* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *53.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *22.24* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0513 | EA | 14" Mechanical Joint Ductile Iron Caps | 910.54 | 304.19 |
| | | *For Cement Mortar Lining (CML), Add* | *44.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *80.94* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *33.72* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0514 | EA | 16" Mechanical Joint Ductile Iron Caps | 1,114.92 | 337.94 |
| | | *For Cement Mortar Lining (CML), Add* | *60.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *108.51* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *45.21* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0515 | EA | 18" Mechanical Joint Ductile Iron Caps | 1,312.45 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *73.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *132.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *55.23* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0516 | EA | 20" Mechanical Joint Ductile Iron Caps | 1,610.75 | 434.50 |
| | | *For Cement Mortar Lining (CML), Add* | *95.24* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *171.42* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *71.43* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0517 | EA | 24" Mechanical Joint Ductile Iron Caps | 2,075.90 | 506.98 |
| | | *For Cement Mortar Lining (CML), Add* | *130.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *235.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *98.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0518 | EA | 30" Mechanical Joint Ductile Iron Caps | 3,912.33 | 608.37 |
| | | *For Cement Mortar Lining (CML), Add* | *299.06* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *538.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *224.29* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0519 | EA | 36" Mechanical Joint Ductile Iron Caps | 6,591.38 | 760.46 |
| | | *For Cement Mortar Lining (CML), Add* | *543.92* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *979.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *407.94* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0520 | EA | 42" Mechanical Joint Ductile Iron Caps | 9,631.74 | 912.55 |
| | | *For Cement Mortar Lining (CML), Add* | *824.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,484.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *618.68* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0521 | EA | 48" Mechanical Joint Ductile Iron Caps | 11,476.02 | 1,013.94 |
| | | *For Cement Mortar Lining (CML), Add* | *993.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,789.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *745.48* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0522 | | **Mechanical Joint Ductile Iron Plug** *(33 14 13 13-0002)* | | |
| 33 14 13 13-0523 | EA | 3" Mechanical Joint Ductile Iron Plug | 211.12 | 100.46 |
| | | *For Cement Mortar Lining (CML), Add* | *5.89* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *10.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *4.42* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0524 | EA | 4" Mechanical Joint Ductile Iron Plug | 243.39 | 117.87 |
| | | *For Cement Mortar Lining (CML), Add* | *6.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *11.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *4.86* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0525 | EA | 6" Mechanical Joint Ductile Iron Plug | 348.91 | 147.34 |
| | | *For Cement Mortar Lining (CML), Add* | *12.57* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *22.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *9.43* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0526 | EA | 8" Mechanical Joint Ductile Iron Plug | 443.65 | 168.41 |
| | | *For Cement Mortar Lining (CML), Add* | *18.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *33.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *14.14* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0527 | EA | 10" Mechanical Joint Ductile Iron Plug | 710.03 | 253.48 |
| | | *For Cement Mortar Lining (CML), Add* | *32.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *58.67* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *24.45* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0528 | EA | 12" Mechanical Joint Ductile Iron Plug | 750.83 | 276.54 |
| | | *For Cement Mortar Lining (CML), Add* | *33.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *59.73* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *24.89* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0529 | EA | 14" Mechanical Joint Ductile Iron Plug | 1,136.36 | 304.19 |
| | | *For Cement Mortar Lining (CML), Add* | *67.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *121.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *50.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0530 | EA | 16" Mechanical Joint Ductile Iron Plug | 598.49 | 337.94 |
| | | *For Cement Mortar Lining (CML), Add* | *8.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *15.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *6.48* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0531 | EA | 18" Mechanical Joint Ductile Iron Plug | 1,648.23 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *107.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *192.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *80.41* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0532 | EA | 20" Mechanical Joint Ductile Iron Plug | 2,068.26 | 434.50 |
| | | *For Cement Mortar Lining (CML), Add* | *140.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *253.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *105.74* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0533 | EA | 24" Mechanical Joint Ductile Iron Plug | 2,723.89 | 506.98 |
| | | *For Cement Mortar Lining (CML), Add* | *195.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *352.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *146.68* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0534 | EA | 30" Mechanical Joint Ductile Iron Plug | 4,803.81 | 608.37 |
| | | *For Cement Mortar Lining (CML), Add* | *388.20* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *698.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *291.15* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0535 | EA | 36" Mechanical Joint Ductile Iron Plug | 7,149.04 | 760.46 |
| | | *For Cement Mortar Lining (CML), Add* | *599.68* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,079.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *449.76* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0536 | EA | 42" Mechanical Joint Ductile Iron Plug | 9,702.43 | 912.55 |
| | | *For Cement Mortar Lining (CML), Add* | *831.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,497.56* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *623.98* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0537 | EA | 48" Mechanical Joint Ductile Iron Plug | 12,626.69 | 1,013.94 |
| | | *For Cement Mortar Lining (CML), Add* | *1,109.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,996.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *831.78* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0538 | | Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0002)* | | |
| 33 14 13 13-0539 | EA | 3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 358.99 | 152.70 |
| | | *For Cement Mortar Lining (CML), Add* | *12.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *22.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *9.57* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0540 | EA | 4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 405.34 | 176.81 |
| | | *For Cement Mortar Lining (CML), Add* | *13.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *24.74* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *10.31* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0541 | EA | 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 525.33 | 221.00 |
| | | *For Cement Mortar Lining (CML), Add* | *19.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *34.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *14.29* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0542 | EA | 8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 671.35 | 252.55 |
| | | *For Cement Mortar Lining (CML), Add* | *28.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *51.96* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *21.65* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0543 | EA | 10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 1,078.78 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *50.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *90.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *37.70* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0544 | EA | 12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 1,272.54 | 414.80 |
| | | *For Cement Mortar Lining (CML), Add* | *64.41* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *115.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *48.30* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0545 | EA | 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 1,714.36 | 456.27 |
| | | *For Cement Mortar Lining (CML), Add* | *102.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *184.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *76.73* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0546 | EA | 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 1,936.48 | 506.98 |
| | | *For Cement Mortar Lining (CML), Add* | *116.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *210.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *87.63* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0547 | EA | 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 2,651.03 | 570.34 |
| | | *For Cement Mortar Lining (CML), Add* | *178.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *321.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *134.02* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0548 | EA | 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 3,116.15 | 651.80 |
| | | *For Cement Mortar Lining (CML), Add* | *212.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *383.14* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *159.64* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0549 | EA | 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 3,773.62 | 760.46 |
| | | *For Cement Mortar Lining (CML), Add* | *262.14* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *471.85* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *196.61* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0550 | EA | 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 6,207.23 | 912.55 |
| | | *For Cement Mortar Lining (CML), Add* | *482.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *868.42* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *361.84* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0551 | EA | 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 8,642.16 | 1,140.69 |
| | | *For Cement Mortar Lining (CML), Add* | *691.38* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,244.49* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *518.54* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0552 | EA | 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 11,614.53 | 1,303.61 |
| | | *For Cement Mortar Lining (CML), Add* | *963.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,735.08* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *722.95* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0553 | EA | 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 14,376.63 | 1,520.92 |
| | | *For Cement Mortar Lining (CML), Add* | *1,207.22* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,173.00* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *905.42* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0554 | | **Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0002)* | | |
| 33 14 13 13-0555 | EA | 3" Mechanical Joint Ductile Iron Long Sleeves | 339.36 | 152.70 |
| | | *For Cement Mortar Lining (CML), Add* | *10.80* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *19.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *8.10* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0556 | EA | 4" Mechanical Joint Ductile Iron Long Sleeves | 395.52 | 176.81 |
| | | *For Cement Mortar Lining (CML), Add* | *12.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *22.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *9.57* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0557 | EA | 6" Mechanical Joint Ductile Iron Long Sleeves | 548.89 | 221.00 |
| | | *For Cement Mortar Lining (CML), Add* | *21.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *38.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *16.05* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0558 | EA | 8" Mechanical Joint Ductile Iron Long Sleeves | 734.18 | 252.55 |
| | | *For Cement Mortar Lining (CML), Add* | *35.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *63.27* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *26.36* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0559 | EA | 10" Mechanical Joint Ductile Iron Long Sleeves | 994.35 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *41.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *75.29* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *31.37* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0560 | EA | 12" Mechanical Joint Ductile Iron Long Sleeves | 1,194.00 | 414.80 |
| | | *For Cement Mortar Lining (CML), Add* | *56.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *101.79* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *42.41* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0561 | EA | 14" Mechanical Joint Ductile Iron Long Sleeves | 1,545.49 | 456.27 |
| | | *For Cement Mortar Lining (CML), Add* | *85.42* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *153.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *64.06* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0562 | EA | 16" Mechanical Joint Ductile Iron Long Sleeves | 1,850.08 | 506.98 |
| | | *For Cement Mortar Lining (CML), Add* | *108.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *194.75* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *81.15* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0563 | EA | 18" Mechanical Joint Ductile Iron Long Sleeves | 2,248.49 | 570.34 |
| | | *For Cement Mortar Lining (CML), Add* | *138.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *249.18* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *103.83* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0564 | EA | 20" Mechanical Joint Ductile Iron Long Sleeves | 2,658.63 | 651.80 |
| | | *For Cement Mortar Lining (CML), Add* | *167.10* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *300.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *125.33* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0565 | EA | 24" Mechanical Joint Ductile Iron Long Sleeves | 3,353.41 | 760.46 |
| | | *For Cement Mortar Lining (CML), Add* | *220.12* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *396.22* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *165.09* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0566 | EA | 30" Mechanical Joint Ductile Iron Long Sleeves | 5,993.19 | 912.55 |
| | | *For Cement Mortar Lining (CML), Add* | *461.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *829.90* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *345.79* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0567 | EA | 36" Mechanical Joint Ductile Iron Long Sleeves | 8,202.31 | 1,140.69 |
| | | *For Cement Mortar Lining (CML), Add* | *647.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,165.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *485.55* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0568 | EA | 42" Mechanical Joint Ductile Iron Long Sleeves | 10,632.45 | 1,302.12 |
| | | *For Cement Mortar Lining (CML), Add* | *865.95* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,558.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *649.46* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-0569 | EA | 48" Mechanical Joint Ductile Iron Long Sleeves | 14,468.92 | 1,520.92 |
| | | *For Cement Mortar Lining (CML), Add* | *1,216.45* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *2,189.61* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *912.34* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

## 33 14 13 13-0570 Mechanical Joint Ductile Iron Gland Packs *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.

## 33 14 13 13-0571 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0570)*

Note: Labor installation is included with pipe fittings or valves.

| | | | |
|---|---|---|---|
| 33 14 13 13-0572 | EA | 3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts | 39.27 |
| 33 14 13 13-0573 | EA | 4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes four (4) 3/4" diameter plain finish bolts with nut. | 34.14 |
| 33 14 13 13-0574 | EA | 6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes six (6) 3/4" diameter plain finish bolts with nut. | 41.25 |
| 33 14 13 13-0575 | EA | 8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes six (6) 3/4" diameter plain finish bolts with nut. | 48.36 |
| 33 14 13 13-0576 | EA | 10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes eight (8) 3/4" diameter plain finish bolts with nut. | 66.85 |
| 33 14 13 13-0577 | EA | 12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes eight (8) 3/4" diameter plain finish bolts with nut. | 71.12 |
| 33 14 13 13-0578 | EA | 14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes ten (10) 3/4" diameter plain finish bolts with nut. | 116.64 |
| 33 14 13 13-0579 | EA | 16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut. | 123.75 |
| 33 14 13 13-0580 | EA | 18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut. | 165.00 |
| 33 14 13 13-0581 | EA | 20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut. | 213.36 |
| 33 14 13 13-0582 | EA | 24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut. | 297.28 |
| 33 14 13 13-0583 | EA | 30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes twenty (20) 1" diameter plain finish bolts with nut. | 709.78 |
| 33 14 13 13-0584 | EA | 36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut. | 1,530.50 |
| 33 14 13 13-0585 | EA | 42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut. | 2,234.59 |
| 33 14 13 13-0586 | EA | 48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut. | 2,742.39 |

## 33 14 13 13-0587 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts *(33 14 13 13-0570)*

Note: Labor installation is included with pipe fittings or valves.

| | | | |
|---|---|---|---|
| 33 14 13 13-0588 | EA | 3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts | 66.76 |
| 33 14 13 13-0589 | EA | 4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts<br>Note: Includes four (4) 3/4" diameter plain finish bolts with nut. | 48.36 |
| 33 14 13 13-0590 | EA | 6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts<br>Note: Includes six (6) 3/4" diameter plain finish bolts with nut. | 61.16 |
| 33 14 13 13-0591 | EA | 8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts<br>Note: Includes six (6) 3/4" diameter plain finish bolts with nut. | 66.85 |
| 33 14 13 13-0592 | EA | 10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts<br>Note: Includes eight (8) 3/4" diameter plain finish bolts with nut. | 92.46 |
| 33 14 13 13-0593 | EA | 12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts<br>Note: Includes eight (8) 3/4" diameter plain finish bolts with nut. | 96.72 |
| 33 14 13 13-0594 | EA | 14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts<br>Note: Includes ten (10) 3/4" diameter plain finish bolts with nut. | 146.51 |
| 33 14 13 13-0595 | EA | 16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts<br>Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut. | 160.73 |
| 33 14 13 13-0596 | EA | 18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts<br>Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut. | 213.36 |
| 33 14 13 13-0597 | EA | 20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts<br>Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut. | 275.95 |
| 33 14 13 13-0598 | EA | 24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts<br>Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut. | 385.47 |

## 33 14 13 13-0599 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0570)*

Note: Labor installation is included with pipe fittings or valves.

| | | | |
|---|---|---|---|
| 33 14 13 13-0600 | EA | 3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts | 43.20 |
| 33 14 13 13-0601 | EA | 4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes four (4) 3/4" diameter plain finish bolts with nut. | 36.98 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0602 | EA | 6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes six (6) 3/4" diameter plain finish bolts with nut. | 44.09 | |
| 33 14 13 13-0603 | EA | 8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes six (6) 3/4" diameter plain finish bolts with nut. | 52.63 | |
| 33 14 13 13-0604 | EA | 10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes eight (8) 3/4" diameter plain finish bolts with nut. | 72.54 | |
| 33 14 13 13-0605 | EA | 12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes eight (8) 3/4" diameter plain finish bolts with nut. | 76.81 | |
| 33 14 13 13-0606 | EA | 14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes ten (10) 3/4" diameter plain finish bolts with nut. | 126.59 | |
| 33 14 13 13-0607 | EA | 16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut. | 133.71 | |
| 33 14 13 13-0608 | EA | 18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut. | 180.64 | |
| 33 14 13 13-0609 | EA | 20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut. | 231.85 | |
| 33 14 13 13-0610 | EA | 24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut. | 324.31 | |
| 33 14 13 13-0611 | EA | 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes twenty (20) 1" diameter plain finish bolts with nut. | 776.63 | |
| 33 14 13 13-0612 | EA | 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut. | 1,721.10 | |
| 33 14 13 13-0613 | EA | 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut. | 2,492.04 | |
| 33 14 13 13-0614 | EA | 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts<br>Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut. | 3,066.69 | |

### 33 14 13 13-0615 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0616 | EA | 3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC) | 212.45 | 76.59 |
| 33 14 13 13-0617 | EA | 4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC) | 242.16 | 90.72 |
| 33 14 13 13-0618 | EA | 6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC) | 300.41 | 112.27 |
| 33 14 13 13-0619 | EA | 8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC) | 375.34 | 131.03 |
| 33 14 13 13-0620 | EA | 10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC) | 540.80 | 190.11 |
| 33 14 13 13-0621 | EA | 12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC) | 668.03 | 217.31 |
| 33 14 13 13-0622 | EA | 14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC) | 779.32 | 233.90 |
| 33 14 13 13-0623 | EA | 16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC) | 963.02 | 253.48 |
| 33 14 13 13-0624 | EA | 18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC) | 1,237.30 | 304.19 |
| 33 14 13 13-0625 | EA | 20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC) | 1,462.00 | 337.82 |
| 33 14 13 13-0626 | EA | 24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC) | 1,902.29 | 389.79 |
| 33 14 13 13-0627 | EA | 30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC) | 3,714.90 | 467.45 |
| 33 14 13 13-0628 | EA | 36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC) | 4,586.93 | 584.97 |
| 33 14 13 13-0629 | EA | 42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC) | 6,783.82 | 674.97 |
| 33 14 13 13-0630 | EA | 48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC) | 8,687.16 | 868.07 |

### 33 14 13 13-0631 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) *(33 14 13 13-0002)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0632 | EA | 3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint | 4,636.75 | 62.69 |
| | | *For Flanged End, Add* | *1,294.40* | |
| 33 14 13 13-0633 | EA | 4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint | 4,827.05 | 78.35 |
| | | *For Flanged End, Add* | *1,341.87* | |
| 33 14 13 13-0634 | EA | 6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint | 7,004.29 | 115.80 |
| | | *For Flanged End, Add* | *1,946.77* | |
| 33 14 13 13-0635 | EA | 8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint | 9,520.11 | 137.36 |
| | | *For Flanged End, Add* | *2,653.89* | |
| 33 14 13 13-0636 | EA | 10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint | 12,001.03 | 151.74 |
| | | *For Flanged End, Add* | *3,354.78* | |
| 33 14 13 13-0637 | EA | 12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint | 16,008.89 | 178.01 |
| | | *For Flanged End, Add* | *4,485.69* | |
| 33 14 13 13-0638 | EA | 14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint | 19,722.68 | 199.62 |
| | | *For Flanged End, Add* | *5,534.77* | |
| 33 14 13 13-0639 | EA | 16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint | 23,333.57 | 228.14 |
| | | *For Flanged End, Add* | *6,551.55* | |
| 33 14 13 13-0640 | EA | 18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint | 26,301.21 | 319.39 |
| | | *For Flanged End, Add* | *7,357.93* | |
| 33 14 13 13-0641 | EA | 20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint | 35,385.97 | 399.24 |
| | | *For Flanged End, Add* | *9,912.60* | |
| 33 14 13 13-0642 | EA | 24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint | 49,033.19 | 532.32 |
| | | *For Flanged End, Add* | *13,744.60* | |
| 33 14 13 13-0643 | EA | 30" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint | 82,326.32 | 570.34 |
| | | *For Flanged End, Add* | *23,216.72* | |

### 33 14 13 13-0644 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) *(33 14 13 13-0002)*

Note: Includes machined bolts and gasket.

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0645 | EA | 3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM) | 210.89 | 76.59 |
| 33 14 13 13-0646 | EA | 4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM) | 271.02 | 90.72 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0647 | EA | 6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM) | 350.46 | 112.27 |
| 33 14 13 13-0648 | EA | 8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM) | 399.87 | 131.03 |
| 33 14 13 13-0649 | EA | 10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM) | 703.54 | 200.91 |
| 33 14 13 13-0650 | EA | 12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM) | 796.13 | 229.65 |

## 33 14 13 13-0651 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) *(33 14 13 13-0002)*

Note: Includes nuts, bolts and gasket.

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0652 | EA | 3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300)) | 308.93 | 76.59 |
| 33 14 13 13-0653 | EA | 4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400) | 384.45 | 90.72 |
| 33 14 13 13-0654 | EA | 6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600) | 532.84 | 112.27 |
| 33 14 13 13-0655 | EA | 8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800) | 771.76 | 131.03 |
| 33 14 13 13-0656 | EA | 10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000) | 1,117.60 | 200.91 |
| 33 14 13 13-0657 | EA | 12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200) | 1,390.43 | 229.65 |
| 33 14 13 13-0658 | EA | 14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400) | 2,147.02 | 247.19 |
| 33 14 13 13-0659 | EA | 16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600) | 3,012.38 | 267.89 |
| 33 14 13 13-0660 | EA | 18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800) | 3,406.42 | 321.47 |
| 33 14 13 13-0661 | EA | 20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000) | 3,762.75 | 357.02 |
| 33 14 13 13-0662 | EA | 24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400) | 4,552.90 | 411.94 |
| 33 14 13 13-0663 | EA | 30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000) | 5,859.14 | 494.02 |
| 33 14 13 13-0664 | EA | 36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600) | 8,756.57 | 618.22 |
| 33 14 13 13-0665 | EA | 42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200) | 22,879.73 | 713.31 |
| 33 14 13 13-0666 | EA | 48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800) | 29,305.49 | 917.39 |

## 33 14 13 13-0667 Mechanical Joint x Restrained Plain End Ductile Iron Flexible Ball Joint *(33 14 13 13-0002)*

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0668 | EA | 4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint | 1,307.22 | 117.87 |
| 33 14 13 13-0669 | EA | 6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint | 2,079.38 | 147.34 |
| 33 14 13 13-0670 | EA | 8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint | 2,758.80 | 168.41 |
| 33 14 13 13-0671 | EA | 10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint | 3,808.93 | 253.48 |
| 33 14 13 13-0672 | EA | 12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint | 4,984.08 | 276.54 |
| 33 14 13 13-0673 | EA | 14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint | 5,773.50 | 304.19 |
| 33 14 13 13-0674 | EA | 16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint | 6,417.47 | 337.94 |
| 33 14 13 13-0675 | EA | 18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint | 9,187.27 | 380.23 |
| 33 14 13 13-0676 | EA | 20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint | 9,384.32 | 434.50 |
| 33 14 13 13-0677 | EA | 24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint | 16,412.26 | 506.98 |
| 33 14 13 13-0678 | EA | 30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint | 57,520.31 | 608.37 |
| 33 14 13 13-0679 | EA | 36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint | 81,674.10 | 760.46 |

## 33 14 13 13-0680 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

See CSI section 33 14 13 13-0570 for bolts and gaskets.

## 33 14 13 13-0681 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0680)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0682 | EA | 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 484.49 | 43.71 |
| 33 14 13 13-0683 | EA | 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 579.87 | 52.36 |
| 33 14 13 13-0684 | EA | 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 900.37 | 76.71 |
| 33 14 13 13-0685 | EA | 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 1,232.54 | 91.33 |
| 33 14 13 13-0686 | EA | 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 1,692.71 | 101.40 |
| 33 14 13 13-0687 | EA | 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 2,147.27 | 118.68 |
| 33 14 13 13-0688 | EA | 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 3,056.70 | 133.65 |
| 33 14 13 13-0689 | EA | 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 3,709.94 | 152.09 |
| 33 14 13 13-0690 | EA | 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 4,479.52 | 213.16 |
| 33 14 13 13-0691 | EA | 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 5,583.23 | 266.16 |
| 33 14 13 13-0692 | EA | 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 7,896.65 | 354.88 |
| 33 14 13 13-0693 | EA | 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 12,665.99 | 380.23 |
| 33 14 13 13-0694 | EA | 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 18,674.94 | 395.20 |
| 33 14 13 13-0695 | EA | 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 30,791.34 | 456.27 |
| 33 14 13 13-0696 | EA | 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow | 40,292.17 | 485.08 |

## 33 14 13 13-0697 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0680)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0698 | EA | 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 462.89 | 43.71 |
| 33 14 13 13-0699 | EA | 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 542.56 | 52.36 |
| 33 14 13 13-0700 | EA | 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 835.57 | 76.71 |
| 33 14 13 13-0701 | EA | 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 1,132.39 | 91.33 |
| 33 14 13 13-0702 | EA | 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 1,480.64 | 101.40 |
| 33 14 13 13-0703 | EA | 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 1,956.80 | 118.68 |
| 33 14 13 13-0704 | EA | 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 2,648.28 | 133.65 |
| 33 14 13 13-0705 | EA | 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 3,171.91 | 152.09 |
| 33 14 13 13-0706 | EA | 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 3,747.10 | 213.16 |
| 33 14 13 13-0707 | EA | 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 4,548.41 | 266.16 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0708 | EA | 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 5,993.92 | 354.88 |
| 33 14 13 13-0709 | EA | 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 11,061.72 | 380.23 |
| 33 14 13 13-0710 | EA | 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 15,311.29 | 395.20 |
| 33 14 13 13-0711 | EA | 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 22,768.07 | 456.27 |
| 33 14 13 13-0712 | EA | 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow | 29,158.56 | 485.08 |
| **33 14 13 13-0713** | | **Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0680)* | | |
| 33 14 13 13-0714 | EA | 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 358.82 | 43.71 |
| 33 14 13 13-0715 | EA | 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 536.67 | 52.36 |
| 33 14 13 13-0716 | EA | 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 812.00 | 76.71 |
| 33 14 13 13-0717 | EA | 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 1,124.54 | 91.33 |
| 33 14 13 13-0718 | EA | 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 1,478.68 | 101.40 |
| 33 14 13 13-0719 | EA | 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 1,842.91 | 118.68 |
| 33 14 13 13-0720 | EA | 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 2,663.98 | 133.65 |
| 33 14 13 13-0721 | EA | 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 3,101.22 | 152.09 |
| 33 14 13 13-0722 | EA | 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 3,729.43 | 213.16 |
| 33 14 13 13-0723 | EA | 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 4,711.39 | 266.16 |
| 33 14 13 13-0724 | EA | 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 5,864.33 | 354.88 |
| 33 14 13 13-0725 | EA | 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 9,838.40 | 380.23 |
| 33 14 13 13-0726 | EA | 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 13,445.87 | 395.20 |
| 33 14 13 13-0727 | EA | 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 19,255.19 | 456.27 |
| 33 14 13 13-0728 | EA | 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow | 24,667.81 | 485.08 |
| **33 14 13 13-0729** | | **Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0680)* | | |
| 33 14 13 13-0730 | EA | 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 358.82 | 43.71 |
| 33 14 13 13-0731 | EA | 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 644.67 | 52.36 |
| 33 14 13 13-0732 | EA | 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 819.86 | 76.71 |
| 33 14 13 13-0733 | EA | 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 1,089.19 | 91.33 |
| 33 14 13 13-0734 | EA | 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 1,474.75 | 101.40 |
| 33 14 13 13-0735 | EA | 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 1,789.89 | 118.68 |
| 33 14 13 13-0736 | EA | 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 2,870.16 | 133.65 |
| 33 14 13 13-0737 | EA | 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 3,197.44 | 152.09 |
| 33 14 13 13-0738 | EA | 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 4,287.09 | 213.16 |
| 33 14 13 13-0739 | EA | 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 4,542.52 | 266.16 |
| 33 14 13 13-0740 | EA | 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 5,866.29 | 354.88 |
| 33 14 13 13-0741 | EA | 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 9,968.00 | 380.23 |
| 33 14 13 13-0742 | EA | 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 13,074.75 | 395.20 |
| 33 14 13 13-0743 | EA | 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 18,725.02 | 456.27 |
| 33 14 13 13-0744 | EA | 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow | 24,526.43 | 485.08 |
| **33 14 13 13-0745** | | **Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0680)* | | |
| 33 14 13 13-0746 | EA | 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 423.62 | 43.71 |
| 33 14 13 13-0747 | EA | 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 625.03 | 52.36 |
| 33 14 13 13-0748 | EA | 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 974.98 | 76.71 |
| 33 14 13 13-0749 | EA | 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 1,326.79 | 91.33 |
| 33 14 13 13-0750 | EA | 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 1,830.16 | 101.40 |
| 33 14 13 13-0751 | EA | 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 2,298.46 | 118.68 |
| 33 14 13 13-0752 | EA | 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 4,142.58 | 133.65 |
| 33 14 13 13-0753 | EA | 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 6,472.72 | 152.09 |
| 33 14 13 13-0754 | EA | 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 7,391.54 | 213.16 |
| 33 14 13 13-0755 | EA | 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 8,516.85 | 266.16 |
| 33 14 13 13-0756 | EA | 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow | 9,200.48 | 354.88 |
| **33 14 13 13-0757** | | **Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow** *(33 14 13 13-0680)* | | |
| 33 14 13 13-0758 | EA | 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 423.62 | 43.71 |
| 33 14 13 13-0759 | EA | 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 550.40 | 52.36 |
| 33 14 13 13-0760 | EA | 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 867.00 | 76.71 |
| 33 14 13 13-0761 | EA | 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 1,228.61 | 91.33 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0762 | EA | 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 1,631.84 | 101.40 |
| 33 14 13 13-0763 | EA | 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 2,125.67 | 118.68 |
| 33 14 13 13-0764 | EA | 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 2,836.77 | 133.65 |
| 33 14 13 13-0765 | EA | 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 3,409.51 | 152.09 |
| 33 14 13 13-0766 | EA | 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 6,390.09 | 213.16 |
| 33 14 13 13-0767 | EA | 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 6,698.55 | 266.16 |
| 33 14 13 13-0768 | EA | 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow | 6,965.91 | 354.88 |

## 33 14 13 13-0769 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee *(33 14 13 13-0680)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0770 | EA | 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 596.16 | 65.58 |
| 33 14 13 13-0771 | EA | 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 650.06 | 73.93 |
| 33 14 13 13-0772 | EA | 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 686.34 | 76.71 |
| 33 14 13 13-0773 | EA | 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 979.91 | 97.24 |
| 33 14 13 13-0774 | EA | 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 1,062.56 | 101.06 |
| 33 14 13 13-0775 | EA | 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 1,120.10 | 113.24 |
| 33 14 13 13-0776 | EA | 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 1,304.91 | 116.89 |
| 33 14 13 13-0777 | EA | 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 1,411.53 | 129.07 |
| 33 14 13 13-0778 | EA | 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 1,553.31 | 137.60 |
| 33 14 13 13-0779 | EA | 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 1,755.48 | 125.59 |
| 33 14 13 13-0780 | EA | 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 1,751.17 | 137.11 |
| 33 14 13 13-0781 | EA | 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 1,898.19 | 145.18 |
| 33 14 13 13-0782 | EA | 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 2,048.73 | 152.09 |
| 33 14 13 13-0783 | EA | 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 2,114.30 | 140.57 |
| 33 14 13 13-0784 | EA | 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 2,131.57 | 152.09 |
| 33 14 13 13-0785 | EA | 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 2,306.08 | 160.16 |
| 33 14 13 13-0786 | EA | 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 2,660.84 | 167.07 |
| 33 14 13 13-0787 | EA | 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 2,666.48 | 175.14 |
| 33 14 13 13-0788 | EA | 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 3,023.88 | 177.44 |
| 33 14 13 13-0789 | EA | 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 3,273.02 | 185.51 |
| 33 14 13 13-0790 | EA | 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 3,977.29 | 192.42 |
| 33 14 13 13-0791 | EA | 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 4,198.91 | 200.48 |
| 33 14 13 13-0792 | EA | 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 3,886.13 | 213.16 |
| 33 14 13 13-0793 | EA | 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 3,617.42 | 213.16 |
| 33 14 13 13-0794 | EA | 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 3,813.65 | 220.07 |
| 33 14 13 13-0795 | EA | 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 4,580.76 | 228.14 |
| 33 14 13 13-0796 | EA | 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 4,293.81 | 235.05 |
| 33 14 13 13-0797 | EA | 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 5,610.82 | 247.72 |
| 33 14 13 13-0798 | EA | 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 5,070.16 | 266.16 |
| 33 14 13 13-0799 | EA | 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 4,750.46 | 273.08 |
| 33 14 13 13-0800 | EA | 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 5,011.37 | 279.98 |
| 33 14 13 13-0801 | EA | 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 5,342.58 | 286.90 |
| 33 14 13 13-0802 | EA | 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 5,648.64 | 294.97 |
| 33 14 13 13-0803 | EA | 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 5,803.19 | 307.64 |
| 33 14 13 13-0804 | EA | 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 6,201.14 | 324.93 |
| 33 14 13 13-0805 | EA | 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 6,923.71 | 354.88 |
| 33 14 13 13-0806 | EA | 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 5,450.01 | 390.60 |
| 33 14 13 13-0807 | EA | 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 5,542.05 | 398.66 |
| 33 14 13 13-0808 | EA | 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 6,095.13 | 405.58 |
| 33 14 13 13-0809 | EA | 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 6,397.27 | 413.65 |
| 33 14 13 13-0810 | EA | 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 6,459.54 | 426.31 |
| 33 14 13 13-0811 | EA | 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 6,374.44 | 443.60 |
| 33 14 13 13-0812 | EA | 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 8,163.24 | 473.56 |
| 33 14 13 13-0813 | EA | 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 6,941.16 | 532.32 |
| 33 14 13 13-0814 | EA | 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 6,610.45 | 508.13 |
| 33 14 13 13-0815 | EA | 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 6,673.04 | 517.34 |
| 33 14 13 13-0816 | EA | 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 6,794.13 | 523.10 |
| 33 14 13 13-0817 | EA | 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 6,974.51 | 531.17 |
| 33 14 13 13-0818 | EA | 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 7,941.99 | 543.84 |
| 33 14 13 13-0819 | EA | 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 8,284.97 | 561.13 |
| 33 14 13 13-0820 | EA | 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 10,211.23 | 591.09 |
| 33 14 13 13-0821 | EA | 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 10,536.46 | 651.00 |
| 33 14 13 13-0822 | EA | 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 9,869.79 | 709.77 |
| 33 14 13 13-0823 | EA | 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 11,614.97 | 592.24 |
| 33 14 13 13-0824 | EA | 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 11,053.13 | 600.30 |
| 33 14 13 13-0825 | EA | 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 11,686.72 | 607.21 |
| 33 14 13 13-0826 | EA | 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 12,322.67 | 615.28 |
| 33 14 13 13-0827 | EA | 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 13,225.36 | 627.95 |
| 33 14 13 13-0828 | EA | 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 14,198.64 | 835.35 |
| 33 14 13 13-0829 | EA | 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 14,129.89 | 675.20 |
| 33 14 13 13-0830 | EA | 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 14,103.63 | 733.96 |
| 33 14 13 13-0831 | EA | 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 14,689.74 | 792.72 |
| 33 14 13 13-0832 | EA | 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 17,553.30 | 835.35 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0833 | EA | 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 11,979.21 | 665.98 |
| 33 14 13 13-0834 | EA | 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 13,415.92 | 672.89 |
| 33 14 13 13-0835 | EA | 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 14,191.28 | 680.96 |
| 33 14 13 13-0836 | EA | 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 14,738.56 | 693.63 |
| 33 14 13 13-0837 | EA | 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 15,287.69 | 710.92 |
| 33 14 13 13-0838 | EA | 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 16,346.04 | 740.88 |
| 33 14 13 13-0839 | EA | 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 17,450.82 | 799.64 |
| 33 14 13 13-0840 | EA | 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 19,340.76 | 858.40 |
| 33 14 13 13-0841 | EA | 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 21,854.81 | 933.29 |
| 33 14 13 13-0842 | EA | 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 25,199.43 | 933.29 |
| 33 14 13 13-0843 | EA | 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 28,753.91 | 717.82 |
| 33 14 13 13-0844 | EA | 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 29,332.61 | 729.35 |
| 33 14 13 13-0845 | EA | 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 32,269.49 | 747.78 |
| 33 14 13 13-0846 | EA | 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 36,795.56 | 777.74 |
| 33 14 13 13-0847 | EA | 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 36,885.15 | 836.50 |
| 33 14 13 13-0848 | EA | 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 30,474.95 | 895.27 |
| 33 14 13 13-0849 | EA | 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 31,015.58 | 937.90 |
| 33 14 13 13-0850 | EA | 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 38,460.20 | 970.16 |
| 33 14 13 13-0851 | EA | 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 40,545.83 | 988.60 |
| 33 14 13 13-0852 | EA | 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 33,543.30 | 775.43 |
| 33 14 13 13-0853 | EA | 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 34,145.56 | 788.11 |
| 33 14 13 13-0854 | EA | 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 35,001.03 | 806.54 |
| 33 14 13 13-0855 | EA | 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 35,868.91 | 835.35 |
| 33 14 13 13-0856 | EA | 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 36,787.15 | 895.27 |
| 33 14 13 13-0857 | EA | 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 36,986.42 | 954.03 |
| 33 14 13 13-0858 | EA | 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 39,718.43 | 995.51 |
| 33 14 13 13-0859 | EA | 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 31,899.98 | 1,028.93 |
| 33 14 13 13-0860 | EA | 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 40,049.22 | 1,047.36 |
| 33 14 13 13-0861 | EA | 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee | 53,416.50 | 1,076.16 |

## 33 14 13 13-0862 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0680)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0863 | EA | 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 668.71 | 73.29 |
| 33 14 13 13-0864 | EA | 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 737.44 | 73.29 |
| 33 14 13 13-0865 | EA | 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 866.99 | 76.71 |
| 33 14 13 13-0866 | EA | 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 954.38 | 97.24 |
| 33 14 13 13-0867 | EA | 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 1,066.48 | 101.06 |
| 33 14 13 13-0868 | EA | 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 1,306.64 | 113.24 |
| 33 14 13 13-0869 | EA | 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 1,723.15 | 116.89 |
| 33 14 13 13-0870 | EA | 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 1,584.33 | 129.07 |
| 33 14 13 13-0871 | EA | 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 1,783.05 | 137.60 |
| 33 14 13 13-0872 | EA | 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 2,538.96 | 125.59 |
| 33 14 13 13-0873 | EA | 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 2,642.64 | 137.11 |
| 33 14 13 13-0874 | EA | 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 2,958.53 | 145.18 |
| 33 14 13 13-0875 | EA | 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 3,230.82 | 152.09 |
| 33 14 13 13-0876 | EA | 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 3,102.00 | 140.57 |
| 33 14 13 13-0877 | EA | 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 3,519.84 | 152.09 |
| 33 14 13 13-0878 | EA | 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 4,171.50 | 160.16 |
| 33 14 13 13-0879 | EA | 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 4,172.82 | 167.07 |
| 33 14 13 13-0880 | EA | 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 3,844.64 | 175.14 |
| 33 14 13 13-0881 | EA | 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 4,579.05 | 177.44 |
| 33 14 13 13-0882 | EA | 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 5,270.00 | 185.51 |
| 33 14 13 13-0883 | EA | 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 6,960.00 | 192.42 |
| 33 14 13 13-0884 | EA | 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 7,466.34 | 200.48 |
| 33 14 13 13-0885 | EA | 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 7,269.42 | 213.16 |
| 33 14 13 13-0886 | EA | 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 4,758.38 | 213.16 |
| 33 14 13 13-0887 | EA | 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 5,260.82 | 220.07 |
| 33 14 13 13-0888 | EA | 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 6,255.71 | 228.14 |
| 33 14 13 13-0889 | EA | 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 6,453.77 | 235.05 |
| 33 14 13 13-0890 | EA | 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 8,008.37 | 247.72 |
| 33 14 13 13-0891 | EA | 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 7,563.94 | 266.16 |
| 33 14 13 13-0892 | EA | 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 6,753.33 | 273.08 |
| 33 14 13 13-0893 | EA | 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 7,289.15 | 279.98 |
| 33 14 13 13-0894 | EA | 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 7,806.89 | 286.90 |
| 33 14 13 13-0895 | EA | 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 8,368.22 | 294.97 |
| 33 14 13 13-0896 | EA | 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 8,450.13 | 307.64 |
| 33 14 13 13-0897 | EA | 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 8,541.75 | 324.93 |
| 33 14 13 13-0898 | EA | 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 7,720.94 | 354.88 |
| 33 14 13 13-0899 | EA | 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 7,928.07 | 390.60 |
| 33 14 13 13-0900 | EA | 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 8,102.59 | 398.66 |
| 33 14 13 13-0901 | EA | 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 8,938.42 | 405.58 |
| 33 14 13 13-0902 | EA | 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 9,766.81 | 413.65 |
| 33 14 13 13-0903 | EA | 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 9,854.60 | 426.31 |
| 33 14 13 13-0904 | EA | 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 9,956.05 | 443.60 |
| 33 14 13 13-0905 | EA | 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 11,583.83 | 473.56 |
| 33 14 13 13-0906 | EA | 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 10,872.28 | 532.32 |
| 33 14 13 13-0907 | EA | 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 9,597.08 | 508.13 |
| 33 14 13 13-0908 | EA | 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 9,720.55 | 516.19 |
| 33 14 13 13-0909 | EA | 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 10,886.27 | 523.10 |
| 33 14 13 13-0910 | EA | 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 11,414.21 | 531.17 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0911 | EA | 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 13,261.38 | 543.84 |
| 33 14 13 13-0912 | EA | 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 14,786.45 | 561.13 |
| 33 14 13 13-0913 | EA | 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 16,589.00 | 591.09 |
| 33 14 13 13-0914 | EA | 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 18,225.92 | 651.00 |
| 33 14 13 13-0915 | EA | 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 16,011.94 | 709.77 |
| 33 14 13 13-0916 | EA | 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 20,368.70 | 592.24 |
| 33 14 13 13-0917 | EA | 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 22,913.27 | 600.30 |
| 33 14 13 13-0918 | EA | 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 24,277.32 | 607.21 |
| 33 14 13 13-0919 | EA | 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 25,643.74 | 615.28 |
| 33 14 13 13-0920 | EA | 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 27,579.28 | 627.95 |
| 33 14 13 13-0921 | EA | 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 29,658.06 | 645.24 |
| 33 14 13 13-0922 | EA | 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 30,390.46 | 675.20 |
| 33 14 13 13-0923 | EA | 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 31,440.25 | 733.96 |
| 33 14 13 13-0924 | EA | 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 32,913.91 | 792.72 |
| 33 14 13 13-0925 | EA | 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 35,702.86 | 835.35 |
| 33 14 13 13-0926 | EA | 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 39,458.88 | 680.96 |
| 33 14 13 13-0927 | EA | 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 41,023.31 | 693.63 |
| 33 14 13 13-0928 | EA | 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 42,575.84 | 710.92 |
| 33 14 13 13-0929 | EA | 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 45,576.19 | 740.88 |
| 33 14 13 13-0930 | EA | 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 48,632.79 | 799.64 |
| 33 14 13 13-0931 | EA | 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 53,980.63 | 858.40 |
| 33 14 13 13-0932 | EA | 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 60,545.58 | 901.03 |
| 33 14 13 13-0933 | EA | 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 72,429.90 | 933.29 |
| 33 14 13 13-0934 | EA | 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 63,715.78 | 836.50 |
| 33 14 13 13-0935 | EA | 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 65,260.13 | 895.27 |
| 33 14 13 13-0936 | EA | 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 69,733.84 | 937.90 |
| 33 14 13 13-0937 | EA | 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 79,870.56 | 970.16 |
| 33 14 13 13-0938 | EA | 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 94,395.60 | 988.60 |
| 33 14 13 13-0939 | EA | 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 62,771.47 | 895.27 |
| 33 14 13 13-0940 | EA | 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 71,166.81 | 954.03 |
| 33 14 13 13-0941 | EA | 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 75,874.20 | 995.51 |
| 33 14 13 13-0942 | EA | 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 86,621.58 | 1,028.93 |
| 33 14 13 13-0943 | EA | 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 113,625.31 | 1,047.36 |
| 33 14 13 13-0944 | EA | 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) | 124,836.56 | 1,076.16 |

### 33 14 13 13-0945 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0680)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0946 | EA | 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 1,192.75 | 113.24 |
| 33 14 13 13-0947 | EA | 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 1,486.15 | 129.07 |
| 33 14 13 13-0948 | EA | 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 2,143.89 | 137.11 |
| 33 14 13 13-0949 | EA | 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 2,469.31 | 152.09 |
| 33 14 13 13-0950 | EA | 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 3,273.26 | 177.44 |
| 33 14 13 13-0951 | EA | 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 3,988.65 | 213.16 |
| 33 14 13 13-0952 | EA | 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 4,701.37 | 273.08 |
| 33 14 13 13-0953 | EA | 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 6,312.03 | 390.60 |
| 33 14 13 13-0954 | EA | 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 7,357.05 | 508.13 |
| 33 14 13 13-0955 | EA | 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee | 13,458.79 | 592.24 |

### 33 14 13 13-0956 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0680)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-0957 | EA | 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 660.70 | 87.44 |
| 33 14 13 13-0958 | EA | 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 829.47 | 95.15 |
| 33 14 13 13-0959 | EA | 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 1,043.51 | 96.20 |
| 33 14 13 13-0960 | EA | 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 1,101.64 | 119.25 |
| 33 14 13 13-0961 | EA | 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 1,292.48 | 129.07 |
| 33 14 13 13-0962 | EA | 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 1,421.69 | 160.73 |
| 33 14 13 13-0963 | EA | 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 1,371.64 | 141.25 |
| 33 14 13 13-0964 | EA | 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 1,614.74 | 172.91 |
| 33 14 13 13-0965 | EA | 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 1,593.75 | 185.08 |
| 33 14 13 13-0966 | EA | 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 1,616.95 | 147.48 |
| 33 14 13 13-0967 | EA | 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 1,808.34 | 177.44 |
| 33 14 13 13-0968 | EA | 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 2,155.52 | 188.97 |
| 33 14 13 13-0969 | EA | 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 2,335.71 | 202.79 |
| 33 14 13 13-0970 | EA | 12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 2,087.75 | 160.16 |
| 33 14 13 13-0971 | EA | 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 2,414.63 | 190.11 |
| 33 14 13 13-0972 | EA | 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 2,622.40 | 201.64 |
| 33 14 13 13-0973 | EA | 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 3,065.71 | 215.47 |
| 33 14 13 13-0974 | EA | 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 3,507.06 | 228.14 |
| 33 14 13 13-0975 | EA | 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 3,635.33 | 208.55 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-0976 | EA | 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 4,320.26 | 220.07 |
| 33 14 13 13-0977 | EA | 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 4,421.91 | 235.05 |
| 33 14 13 13-0978 | EA | 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 4,666.89 | 246.58 |
| 33 14 13 13-0979 | EA | 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 5,174.80 | 266.16 |
| 33 14 13 13-0980 | EA | 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 4,068.35 | 236.20 |
| 33 14 13 13-0981 | EA | 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 4,662.95 | 246.58 |
| 33 14 13 13-0982 | EA | 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 5,636.43 | 261.55 |
| 33 14 13 13-0983 | EA | 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 6,309.50 | 274.23 |
| 33 14 13 13-0984 | EA | 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 7,679.43 | 292.66 |
| 33 14 13 13-0985 | EA | 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 8,010.33 | 319.16 |
| 33 14 13 13-0986 | EA | 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 7,071.06 | 278.83 |
| 33 14 13 13-0987 | EA | 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 7,483.05 | 290.36 |
| 33 14 13 13-0988 | EA | 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 7,834.07 | 304.19 |
| 33 14 13 13-0989 | EA | 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 8,514.97 | 316.86 |
| 33 14 13 13-0990 | EA | 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 9,988.97 | 335.29 |
| 33 14 13 13-0991 | EA | 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 10,624.25 | 361.80 |
| 33 14 13 13-0992 | EA | 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 11,084.10 | 405.58 |
| 33 14 13 13-0993 | EA | 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 8,890.90 | 350.27 |
| 33 14 13 13-0994 | EA | 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 9,306.81 | 360.65 |
| 33 14 13 13-0995 | EA | 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 9,589.10 | 375.62 |
| 33 14 13 13-0996 | EA | 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 10,264.12 | 388.30 |
| 33 14 13 13-0997 | EA | 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 10,426.43 | 406.73 |
| 33 14 13 13-0998 | EA | 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 12,705.24 | 433.23 |
| 33 14 13 13-0999 | EA | 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 13,165.08 | 475.87 |
| 33 14 13 13-1000 | EA | 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 14,195.55 | 547.30 |
| 33 14 13 13-1001 | EA | 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 12,185.26 | 437.84 |
| 33 14 13 13-1002 | EA | 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 12,467.99 | 449.37 |
| 33 14 13 13-1003 | EA | 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 12,948.25 | 463.19 |
| 33 14 13 13-1004 | EA | 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 13,362.13 | 475.87 |
| 33 14 13 13-1005 | EA | 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 13,587.27 | 494.30 |
| 33 14 13 13-1006 | EA | 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 14,090.98 | 520.80 |
| 33 14 13 13-1007 | EA | 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 18,831.48 | 564.59 |
| 33 14 13 13-1008 | EA | 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 19,793.21 | 634.87 |
| 33 14 13 13-1009 | EA | 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 21,771.96 | 722.43 |
| 33 14 13 13-1010 | EA | 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 18,942.55 | 581.87 |
| 33 14 13 13-1011 | EA | 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 19,317.13 | 595.70 |
| 33 14 13 13-1012 | EA | 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 19,685.84 | 608.37 |
| 33 14 13 13-1013 | EA | 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 20,119.12 | 626.80 |
| 33 14 13 13-1014 | EA | 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 20,613.01 | 654.46 |
| 33 14 13 13-1015 | EA | 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 21,180.87 | 697.09 |
| 33 14 13 13-1016 | EA | 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 21,889.30 | 767.38 |
| 33 14 13 13-1017 | EA | 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 28,268.48 | 856.10 |
| 33 14 13 13-1018 | EA | 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 32,500.96 | 988.60 |
| 33 14 13 13-1019 | EA | 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 26,615.85 | 630.26 |
| 33 14 13 13-1020 | EA | 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 26,986.51 | 644.09 |
| 33 14 13 13-1021 | EA | 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 27,306.12 | 656.76 |
| 33 14 13 13-1022 | EA | 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 27,684.42 | 676.35 |
| 33 14 13 13-1023 | EA | 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 28,125.30 | 702.85 |
| 33 14 13 13-1024 | EA | 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 28,640.14 | 745.48 |
| 33 14 13 13-1025 | EA | 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 29,299.48 | 816.92 |
| 33 14 13 13-1026 | EA | 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 30,482.97 | 904.49 |
| 33 14 13 13-1027 | EA | 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 41,238.53 | 1,036.99 |
| 33 14 13 13-1028 | EA | 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 45,363.60 | 1,086.54 |
| 33 14 13 13-1029 | EA | 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 35,882.81 | 685.56 |
| 33 14 13 13-1030 | EA | 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 36,628.31 | 704.00 |
| 33 14 13 13-1031 | EA | 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 37,055.44 | 731.66 |
| 33 14 13 13-1032 | EA | 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 37,644.90 | 774.28 |
| 33 14 13 13-1033 | EA | 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 38,710.70 | 845.72 |
| 33 14 13 13-1034 | EA | 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 40,989.88 | 933.29 |
| 33 14 13 13-1035 | EA | 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 49,860.38 | 1,065.79 |
| 33 14 13 13-1036 | EA | 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 65,397.90 | 1,114.19 |
| 33 14 13 13-1037 | EA | 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 70,127.91 | 1,143.00 |
| 33 14 13 13-1038 | EA | 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 48,643.68 | 798.49 |
| 33 14 13 13-1039 | EA | 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 48,959.16 | 816.92 |
| 33 14 13 13-1040 | EA | 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 49,380.40 | 843.42 |
| 33 14 13 13-1041 | EA | 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 49,828.46 | 886.05 |
| 33 14 13 13-1042 | EA | 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 50,417.12 | 957.49 |
| 33 14 13 13-1043 | EA | 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 51,457.27 | 1,045.05 |
| 33 14 13 13-1044 | EA | 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 54,387.89 | 1,177.56 |
| 33 14 13 13-1045 | EA | 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 66,858.26 | 1,227.11 |
| 33 14 13 13-1046 | EA | 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 86,285.81 | 1,255.91 |
| 33 14 13 13-1047 | EA | 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross | 91,863.82 | 1,367.67 |

### 33 14 13 13-1048 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0680)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-1049 | EA | 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 474.63 | 47.58 |
| 33 14 13 13-1050 | EA | 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 665.68 | 59.63 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1051 | EA | 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 732.41 | 63.32 |
| 33 14 13 13-1052 | EA | 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 964.62 | 71.84 |
| 33 14 13 13-1053 | EA | 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,000.44 | 84.02 |
| 33 14 13 13-1054 | EA | 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,183.84 | 74.89 |
| 33 14 13 13-1055 | EA | 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,236.47 | 86.42 |
| 33 14 13 13-1056 | EA | 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,285.31 | 94.48 |
| 33 14 13 13-1057 | EA | 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,370.12 | 82.96 |
| 33 14 13 13-1058 | EA | 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,515.04 | 94.48 |
| 33 14 13 13-1059 | EA | 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,538.36 | 101.40 |
| 33 14 13 13-1060 | EA | 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 1,606.43 | 109.46 |
| 33 14 13 13-1061 | EA | 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,382.39 | 107.15 |
| 33 14 13 13-1062 | EA | 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,393.91 | 114.07 |
| 33 14 13 13-1063 | EA | 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,077.12 | 122.14 |
| 33 14 13 13-1064 | EA | 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,118.10 | 129.05 |
| 33 14 13 13-1065 | EA | 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,856.91 | 124.44 |
| 33 14 13 13-1066 | EA | 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,768.30 | 132.50 |
| 33 14 13 13-1067 | EA | 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,594.85 | 139.42 |
| 33 14 13 13-1068 | EA | 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,561.21 | 146.33 |
| 33 14 13 13-1069 | EA | 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 2,898.38 | 159.01 |
| 33 14 13 13-1070 | EA | 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 3,098.15 | 161.30 |
| 33 14 13 13-1071 | EA | 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 3,498.07 | 169.37 |
| 33 14 13 13-1072 | EA | 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 3,336.80 | 176.29 |
| 33 14 13 13-1073 | EA | 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 3,996.01 | 188.97 |
| 33 14 13 13-1074 | EA | 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 3,486.77 | 207.40 |
| 33 14 13 13-1075 | EA | 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 4,124.39 | 221.22 |
| 33 14 13 13-1076 | EA | 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 4,155.15 | 228.14 |
| 33 14 13 13-1077 | EA | 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 3,766.10 | 236.20 |
| 33 14 13 13-1078 | EA | 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 3,759.64 | 248.87 |
| 33 14 13 13-1079 | EA | 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 3,660.79 | 266.16 |
| 33 14 13 13-1080 | EA | 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 4,336.24 | 296.12 |
| 33 14 13 13-1081 | EA | 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 5,190.67 | 294.97 |
| 33 14 13 13-1082 | EA | 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 5,264.72 | 307.64 |
| 33 14 13 13-1083 | EA | 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 5,354.37 | 324.93 |
| 33 14 13 13-1084 | EA | 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 5,262.06 | 354.88 |
| 33 14 13 13-1085 | EA | 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 6,068.37 | 413.65 |
| 33 14 13 13-1086 | EA | 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 9,521.78 | 366.40 |
| 33 14 13 13-1087 | EA | 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 9,922.32 | 396.36 |
| 33 14 13 13-1088 | EA | 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 9,536.73 | 456.27 |
| 33 14 13 13-1089 | EA | 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 8,043.38 | 515.04 |
| 33 14 13 13-1090 | EA | 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 12,557.34 | 488.54 |
| 33 14 13 13-1091 | EA | 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 11,643.27 | 547.30 |
| 33 14 13 13-1092 | EA | 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 12,429.34 | 589.93 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1093 | EA | 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 18,673.04 | 418.26 |
| 33 14 13 13-1094 | EA | 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 18,553.23 | 448.21 |
| 33 14 13 13-1095 | EA | 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 18,581.96 | 506.98 |
| 33 14 13 13-1096 | EA | 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 19,297.67 | 565.74 |
| 33 14 13 13-1097 | EA | 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 15,724.55 | 608.37 |
| 33 14 13 13-1098 | EA | 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 16,453.66 | 640.63 |
| 33 14 13 13-1099 | EA | 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 23,557.59 | 447.06 |
| 33 14 13 13-1100 | EA | 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 22,781.93 | 477.02 |
| 33 14 13 13-1101 | EA | 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 21,610.90 | 535.78 |
| 33 14 13 13-1102 | EA | 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 22,228.42 | 595.70 |
| 33 14 13 13-1103 | EA | 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 26,660.92 | 637.17 |
| 33 14 13 13-1104 | EA | 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 23,019.03 | 669.43 |
| 33 14 13 13-1105 | EA | 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer | 25,332.45 | 687.87 |

### 33 14 13 13-1106 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps *(33 14 13 13-0680)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-1107 | EA | 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 421.22 | 100.46 |
| 33 14 13 13-1108 | EA | 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 508.47 | 118.12 |
| 33 14 13 13-1109 | EA | 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 749.48 | 147.34 |
| 33 14 13 13-1110 | EA | 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 1,011.13 | 168.04 |
| 33 14 13 13-1111 | EA | 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 1,336.42 | 253.48 |
| 33 14 13 13-1112 | EA | 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 1,695.32 | 276.54 |
| 33 14 13 13-1113 | EA | 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 1,929.65 | 304.19 |
| 33 14 13 13-1114 | EA | 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 2,355.91 | 337.59 |
| 33 14 13 13-1115 | EA | 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 2,763.55 | 380.23 |
| 33 14 13 13-1116 | EA | 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 3,338.71 | 434.38 |
| 33 14 13 13-1117 | EA | 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 4,292.80 | 506.98 |
| 33 14 13 13-1118 | EA | 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 7,863.10 | 608.37 |
| 33 14 13 13-1119 | EA | 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 12,945.59 | 760.46 |
| 33 14 13 13-1120 | EA | 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 18,701.61 | 912.55 |
| 33 14 13 13-1121 | EA | 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps | 22,285.64 | 1,013.94 |

### 33 14 13 13-1122 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug *(33 14 13 13-0680)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-1123 | EA | 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 423.19 | 100.46 |
| 33 14 13 13-1124 | EA | 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 528.11 | 118.12 |
| 33 14 13 13-1125 | EA | 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 800.54 | 147.34 |
| 33 14 13 13-1126 | EA | 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 1,062.18 | 168.04 |
| 33 14 13 13-1127 | EA | 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 1,628.99 | 253.48 |
| 33 14 13 13-1128 | EA | 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 1,762.08 | 276.54 |
| 33 14 13 13-1129 | EA | 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 2,355.75 | 304.19 |
| 33 14 13 13-1130 | EA | 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 2,848.77 | 337.59 |
| 33 14 13 13-1131 | EA | 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 3,393.87 | 380.23 |
| 33 14 13 13-1132 | EA | 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 4,190.92 | 434.38 |
| 33 14 13 13-1133 | EA | 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 5,506.31 | 506.98 |
| 33 14 13 13-1134 | EA | 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 9,540.01 | 608.37 |
| 33 14 13 13-1135 | EA | 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 13,988.26 | 760.46 |
| 33 14 13 13-1136 | EA | 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 18,833.17 | 912.55 |
| 33 14 13 13-1137 | EA | 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug | 25,075.92 | 1,013.94 |

### 33 14 13 13-1138 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0680)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-1139 | EA | 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 571.06 | 152.70 |
| 33 14 13 13-1140 | EA | 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 760.75 | 176.56 |
| 33 14 13 13-1141 | EA | 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 1,051.57 | 221.62 |
| 33 14 13 13-1142 | EA | 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 1,390.03 | 252.06 |
| 33 14 13 13-1143 | EA | 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 2,044.87 | 380.23 |
| 33 14 13 13-1144 | EA | 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 2,450.70 | 414.80 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1145 | EA | 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 3,224.36 | 456.27 |
| 33 14 13 13-1146 | EA | 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 3,662.49 | 506.98 |
| 33 14 13 13-1147 | EA | 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 4,826.69 | 570.34 |
| 33 14 13 13-1148 | EA | 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 5,600.11 | 652.16 |
| 33 14 13 13-1149 | EA | 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 6,785.78 | 760.46 |
| 33 14 13 13-1150 | EA | 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 10,739.21 | 912.55 |
| 33 14 13 13-1151 | EA | 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 14,631.14 | 1,140.69 |
| 33 14 13 13-1152 | EA | 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 19,963.77 | 1,303.15 |
| 33 14 13 13-1153 | EA | 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters | 24,834.77 | 1,520.92 |
| **33 14 13 13-1154** | | **Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0680)* | | |
| 33 14 13 13-1155 | EA | 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 594.63 | 152.70 |
| 33 14 13 13-1156 | EA | 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 731.30 | 176.56 |
| 33 14 13 13-1157 | EA | 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 1,084.96 | 221.62 |
| 33 14 13 13-1158 | EA | 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 1,480.35 | 252.06 |
| 33 14 13 13-1159 | EA | 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 1,919.20 | 380.23 |
| 33 14 13 13-1160 | EA | 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 2,332.88 | 414.80 |
| 33 14 13 13-1161 | EA | 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 2,973.02 | 456.27 |
| 33 14 13 13-1162 | EA | 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 3,528.96 | 506.98 |
| 33 14 13 13-1163 | EA | 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 4,221.91 | 570.34 |
| 33 14 13 13-1164 | EA | 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 4,918.74 | 652.16 |
| 33 14 13 13-1165 | EA | 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 6,161.35 | 760.46 |
| 33 14 13 13-1166 | EA | 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 10,415.22 | 912.55 |
| 33 14 13 13-1167 | EA | 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 13,549.19 | 1,140.69 |
| 33 14 13 13-1168 | EA | 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 17,679.81 | 1,302.00 |
| 33 14 13 13-1169 | EA | 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves | 26,356.56 | 1,520.92 |
| **33 14 13 13-1170** | | **Push-On Joint Ductile Iron Piping And Gaskets** *(33 14 13 13-0001)* | | |
| **33 14 13 13-1171** | | **Push-On Joint Ductile Iron Pipe** *(33 14 13 13-1170)* | | |
| | | Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D. | | |
| 33 14 13 13-1172 | LF | 4", Class 50, Push-On Joint Ductile Iron Pipe | 36.35 | 10.05 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *14.79* | |
| | | *For Cement Mortar Lining (CML), Add* | *2.11* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *11.41* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *3.80* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1.58* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-1.82* | |
| | | *For Class 51, Add* | *3.07* | |
| | | *For Class 52, Add* | *6.62* | |
| | | *For Class 53, Add* | *11.89* | |
| | | *For Class 54, Add* | *16.96* | |
| | | *For Class 55, Add* | *19.51* | |
| | | *For Class 56, Add* | *22.03* | |
| | | *For Restrained Joint Pipe, Add* | *10.04* | |
| 33 14 13 13-1173 | LF | 6", Class 50, Push-On Joint Ductile Iron Pipe | 39.87 | 11.09 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *16.23* | |
| | | *For Cement Mortar Lining (CML), Add* | *2.32* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *12.52* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *4.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *1.74* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-1.99* | |
| | | *For Class 51, Add* | *3.37* | |
| | | *For Class 52, Add* | *7.26* | |
| | | *For Class 53, Add* | *13.05* | |
| | | *For Class 54, Add* | *18.61* | |
| | | *For Class 55, Add* | *21.41* | |
| | | *For Class 56, Add* | *24.17* | |
| | | *For Restrained Joint Pipe, Add* | *11.02* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1174 | LF | 8", Class 50, Push-On Joint Ductile Iron Pipe | 49.97 | 12.18 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *22.19* | |
| | | *For Cement Mortar Lining (CML), Add* | *3.17* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *17.12* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *5.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *2.38* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-2.50* | |
| | | *For Class 51, Add* | *4.55* | |
| | | *For Class 52, Add* | *9.81* | |
| | | *For Class 53, Add* | *17.67* | |
| | | *For Class 54, Add* | *25.21* | |
| | | *For Class 55, Add* | *28.99* | |
| | | *For Class 56, Add* | *32.71* | |
| | | *For Restrained Joint Pipe, Add* | *15.06* | |
| 33 14 13 13-1175 | LF | 10", Class 50, Push-On Joint Ductile Iron Pipe | 70.65 | 17.17 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *26.83* | |
| | | *For Cement Mortar Lining (CML), Add* | *4.47* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *22.36* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *8.05* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *3.35* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-3.53* | |
| | | *For Class 51, Add* | *6.42* | |
| | | *For Class 52, Add* | *13.85* | |
| | | *For Class 53, Add* | *24.94* | |
| | | *For Class 54, Add* | *35.57* | |
| | | *For Class 55, Add* | *40.91* | |
| | | *For Class 56, Add* | *46.15* | |
| | | *For Restrained Joint Pipe, Add* | *21.24* | |
| 33 14 13 13-1176 | LF | 12", Class 50, Push-On Joint Ductile Iron Pipe | 82.12 | 19.01 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *26.66* | |
| | | *For Cement Mortar Lining (CML), Add* | *5.33* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *21.32* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *9.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *4.00* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-4.11* | |
| | | *For Class 51, Add* | *7.63* | |
| | | *For Class 52, Add* | *16.45* | |
| | | *For Class 53, Add* | *29.65* | |
| | | *For Class 54, Add* | *42.30* | |
| | | *For Class 55, Add* | *48.63* | |
| | | *For Class 56, Add* | *54.86* | |
| | | *For Restrained Joint Pipe, Add* | *25.32* | |
| 33 14 13 13-1177 | LF | 14", Class 50, Push-On Joint Ductile Iron Pipe | 100.33 | 21.43 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *29.90* | |
| | | *For Cement Mortar Lining (CML), Add* | *6.80* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *23.11* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *12.23* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *5.10* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-5.02* | |
| | | *For Class 51, Add* | *9.67* | |
| | | *For Class 52, Add* | *20.86* | |
| | | *For Class 53, Add* | *37.63* | |
| | | *For Class 54, Add* | *53.70* | |
| | | *For Class 55, Add* | *61.73* | |
| | | *For Class 56, Add* | *69.61* | |
| | | *For Restrained Joint Pipe, Add* | *32.28* | |
| 33 14 13 13-1178 | LF | 16", Class 50, Push-On Joint Ductile Iron Pipe | 119.03 | 24.43 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *33.64* | |
| | | *For Cement Mortar Lining (CML), Add* | *8.21* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *25.44* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *14.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *6.15* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-5.95* | |
| | | *For Class 51, Add* | *11.65* | |
| | | *For Class 52, Add* | *25.14* | |
| | | *For Class 53, Add* | *45.36* | |
| | | *For Class 54, Add* | *64.73* | |
| | | *For Class 55, Add* | *74.39* | |
| | | *For Class 56, Add* | *83.88* | |
| | | *For Restrained Joint Pipe, Add* | *38.97* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1179 | LF | 18", Class 50, Push-On Joint Ductile Iron Pipe | 138.50 | 28.57 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *39.07* | |
| | | *For Cement Mortar Lining (CML), Add* | *9.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *29.54* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *17.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *7.15* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-6.93* | |
| | | *For Class 51, Add* | *13.53* | |
| | | *For Class 52, Add* | *29.20* | |
| | | *For Class 53, Add* | *52.69* | |
| | | *For Class 54, Add* | *75.19* | |
| | | *For Class 55, Add* | *86.41* | |
| | | *For Class 56, Add* | *97.43* | |
| | | *For Restrained Joint Pipe, Add* | *45.26* | |
| 33 14 13 13-1180 | LF | 20", Class 50, Push-On Joint Ductile Iron Pipe | 159.64 | 34.22 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *40.96* | |
| | | *For Cement Mortar Lining (CML), Add* | *10.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *30.18* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *19.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *8.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-7.98* | |
| | | *For Class 51, Add* | *15.34* | |
| | | *For Class 52, Add* | *33.11* | |
| | | *For Class 53, Add* | *59.71* | |
| | | *For Class 54, Add* | *85.20* | |
| | | *For Class 55, Add* | *97.93* | |
| | | *For Class 56, Add* | *110.44* | |
| | | *For Restrained Joint Pipe, Add* | *51.20* | |
| 33 14 13 13-1181 | LF | 24", Class 50, Push-On Joint Ductile Iron Pipe | 202.01 | 42.75 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *42.51* | |
| | | *For Cement Mortar Lining (CML), Add* | *13.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For 40 Mil Ceramic Epoxy Lining (P401), Add* | *28.80* | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *24.69* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *10.29* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-10.10* | |
| | | *For Class 51, Add* | *19.50* | |
| | | *For Class 52, Add* | *42.09* | |
| | | *For Class 53, Add* | *75.93* | |
| | | *For Class 54, Add* | *108.35* | |
| | | *For Class 55, Add* | *124.53* | |
| | | *For Class 56, Add* | *140.43* | |
| | | *For Restrained Joint Pipe, Add* | *65.14* | |
| 33 14 13 13-1182 | LF | 30", Class 50, Push-On Joint Ductile Iron Pipe | 239.83 | 45.62 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *52.91* | |
| | | *For Cement Mortar Lining (CML), Add* | *17.07* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *30.72* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *12.80* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-11.99* | |
| | | *For Class 51, Add* | *24.13* | |
| | | *For Class 52, Add* | *52.10* | |
| | | *For Class 53, Add* | *94.07* | |
| | | *For Class 54, Add* | *134.27* | |
| | | *For Class 55, Add* | *154.27* | |
| | | *For Class 56, Add* | *173.91* | |
| 33 14 13 13-1183 | LF | 36", Class 50, Push-On Joint Ductile Iron Pipe | 298.22 | 48.51 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *69.66* | |
| | | *For Cement Mortar Lining (CML), Add* | *22.47* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *40.45* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *16.85* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-14.91* | |
| | | *For Class 51, Add* | *31.55* | |
| | | *For Class 52, Add* | *68.15* | |
| | | *For Class 53, Add* | *123.18* | |
| | | *For Class 54, Add* | *175.89* | |
| | | *For Class 55, Add* | *202.00* | |
| | | *For Class 56, Add* | *227.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1184 | LF | 42", Class 50, Push-On Joint Ductile Iron Pipe | 364.32 | 51.39 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *88.83* | |
| | | *For Cement Mortar Lining (CML), Add* | *28.65* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *51.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *21.49* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-18.22* | |
| | | *For Class 51, Add* | *40.03* | |
| | | *For Class 52, Add* | *86.50* | |
| | | *For Class 53, Add* | *156.47* | |
| | | *For Class 54, Add* | *223.49* | |
| | | *For Class 55, Add* | *256.59* | |
| | | *For Class 56, Add* | *289.08* | |
| 33 14 13 13-1185 | LF | 48", Class 50, Push-On Joint Ductile Iron Pipe | 439.37 | 54.15 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *110.74* | |
| | | *For Cement Mortar Lining (CML), Add* | *35.72* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *64.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *26.79* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-21.97* | |
| | | *For Class 51, Add* | *49.71* | |
| | | *For Class 52, Add* | *107.47* | |
| | | *For Class 53, Add* | *194.51* | |
| | | *For Class 54, Add* | *277.87* | |
| | | *For Class 55, Add* | *318.94* | |
| | | *For Class 56, Add* | *359.26* | |
| 33 14 13 13-1186 | LF | 54", Class 50, Push-On Joint Ductile Iron Pipe | 558.28 | 57.04 |
| | | *For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add* | *146.28* | |
| | | *For Cement Mortar Lining (CML), Add* | *47.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *84.93* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *35.39* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For >1,000, Deduct* | *-27.91* | |
| | | *For Class 51, Add* | *65.39* | |
| | | *For Class 52, Add* | *141.41* | |
| | | *For Class 53, Add* | *256.11* | |
| | | *For Class 54, Add* | *365.95* | |
| | | *For Class 55, Add* | *419.93* | |
| | | *For Class 56, Add* | *472.92* | |

## 33 14 13 13-1187 Push-On Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-1170)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-1188 | EA | 4" 90 Degree Elbow, Push-On Joint Ductile Iron | 297.04 | 39.20 |
| | | *For Cement Mortar Lining (CML), Add* | *23.76* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *42.77* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *17.82* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *142.57* | |
| 33 14 13 13-1189 | EA | 6" 90 Degree Elbow, Push-On Joint Ductile Iron | 430.21 | 57.84 |
| | | *For Cement Mortar Lining (CML), Add* | *34.25* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *61.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *25.69* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *205.52* | |
| 33 14 13 13-1190 | EA | 8" 90 Degree Elbow, Push-On Joint Ductile Iron | 579.24 | 68.67 |
| | | *For Cement Mortar Lining (CML), Add* | *47.51* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *85.52* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *35.63* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *285.08* | |
| 33 14 13 13-1191 | EA | 10" 90 Degree Elbow, Push-On Joint Ductile Iron | 875.09 | 75.81 |
| | | *For Cement Mortar Lining (CML), Add* | *71.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *129.29* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *53.87* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *430.97* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1192 | EA | 12" 90 Degree Elbow, Push-On Joint Ductile Iron | 1,134.15 | 88.95 |
| | | *For Cement Mortar Lining (CML), Add* | *95.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *171.06* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *71.27* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *570.19* | |
| 33 14 13 13-1193 | EA | 14" 90 Degree Elbow, Push-On Joint Ductile Iron | 2,290.47 | 99.79 |
| | | *For Cement Mortar Lining (CML), Add* | *208.42* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *375.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *156.31* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *1,250.50* | |
| 33 14 13 13-1194 | EA | 16" 90 Degree Elbow, Push-On Joint Ductile Iron | 2,588.60 | 114.07 |
| | | *For Cement Mortar Lining (CML), Add* | *235.29* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *423.53* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *176.47* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *1,411.75* | |
| 33 14 13 13-1195 | EA | 18" 90 Degree Elbow, Push-On Joint Ductile Iron | 4,043.06 | 159.70 |
| | | *For Cement Mortar Lining (CML), Add* | *371.31* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *668.36* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *278.48* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *2,227.87* | |
| 33 14 13 13-1196 | EA | 20" 90 Degree Elbow, Push-On Joint Ductile Iron | 4,538.57 | 201.30 |
| | | *For Cement Mortar Lining (CML), Add* | *413.60* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *744.49* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *310.20* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *2,481.62* | |
| 33 14 13 13-1197 | EA | 24" 90 Degree Elbow, Push-On Joint Ductile Iron | 5,666.93 | 251.64 |
| | | *For Cement Mortar Lining (CML), Add* | *516.38* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *929.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *387.28* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *3,098.26* | |

## 33 14 13 13-1198 Push-On Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-1170)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-1199 | EA | 4" 45 Degree Elbow, Push-On Joint Ductile Iron | 243.00 | 39.20 |
| | | *For Cement Mortar Lining (CML), Add* | *18.36* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *33.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *13.77* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *110.15* | |
| 33 14 13 13-1200 | EA | 6" 45 Degree Elbow, Push-On Joint Ductile Iron | 357.55 | 57.84 |
| | | *For Cement Mortar Lining (CML), Add* | *26.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *48.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *20.24* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *161.93* | |
| 33 14 13 13-1201 | EA | 8" 45 Degree Elbow, Push-On Joint Ductile Iron | 501.07 | 68.67 |
| | | *For Cement Mortar Lining (CML), Add* | *39.70* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *71.45* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *29.77* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *238.18* | |
| 33 14 13 13-1202 | EA | 10" 45 Degree Elbow, Push-On Joint Ductile Iron | 767.17 | 75.81 |
| | | *For Cement Mortar Lining (CML), Add* | *61.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *109.87* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *45.78* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *366.22* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1203 | EA | 12" 45 Degree Elbow, Push-On Joint Ductile Iron | 996.62 | 88.95 |
| | | *For Cement Mortar Lining (CML), Add* | *81.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *146.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *60.96* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *487.67* | |
| 33 14 13 13-1204 | EA | 14" 45 Degree Elbow, Push-On Joint Ductile Iron | 1,431.74 | 99.79 |
| | | *For Cement Mortar Lining (CML), Add* | *122.54* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *220.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *91.91* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *735.26* | |
| 33 14 13 13-1205 | EA | 16" 45 Degree Elbow, Push-On Joint Ductile Iron | 2,138.96 | 114.07 |
| | | *For Cement Mortar Lining (CML), Add* | *190.33* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *342.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *142.75* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *1,141.96* | |
| 33 14 13 13-1206 | EA | 18" 45 Degree Elbow, Push-On Joint Ductile Iron | 2,443.44 | 159.70 |
| | | *For Cement Mortar Lining (CML), Add* | *211.35* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *380.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *158.51* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *1,268.10* | |
| 33 14 13 13-1207 | EA | 20" 45 Degree Elbow, Push-On Joint Ductile Iron | 3,443.38 | 201.30 |
| | | *For Cement Mortar Lining (CML), Add* | *304.08* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *547.35* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *228.06* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *1,824.50* | |
| 33 14 13 13-1208 | EA | 24" 45 Degree Elbow, Push-On Joint Ductile Iron | 4,272.03 | 251.64 |
| | | *For Cement Mortar Lining (CML), Add* | *376.89* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *678.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *282.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *2,261.32* | |
| **33 14 13 13-1209** | | **Push-On Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-1170)* | | |
| 33 14 13 13-1210 | EA | 4" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron | 233.83 | 39.20 |
| | | *For Cement Mortar Lining (CML), Add* | *17.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *31.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *13.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *104.65* | |
| 33 14 13 13-1211 | EA | 6" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron | 344.06 | 57.84 |
| | | *For Cement Mortar Lining (CML), Add* | *25.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *46.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *19.23* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *153.83* | |
| 33 14 13 13-1212 | EA | 8" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron | 481.22 | 68.67 |
| | | *For Cement Mortar Lining (CML), Add* | *37.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *67.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *28.28* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *226.27* | |
| 33 14 13 13-1213 | EA | 10" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron | 736.65 | 75.81 |
| | | *For Cement Mortar Lining (CML), Add* | *57.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *104.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *43.49* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *347.91* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1214 | EA | 12" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron | 955.98 | 88.95 |
| | | *For Cement Mortar Lining (CML), Add* | *77.22* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *138.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *57.91* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *463.29* | |
| 33 14 13 13-1215 | EA | 14" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron | 1,370.47 | 99.79 |
| | | *For Cement Mortar Lining (CML), Add* | *116.42* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *209.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *87.31* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *698.50* | |
| 33 14 13 13-1216 | EA | 16" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron | 2,043.80 | 114.07 |
| | | *For Cement Mortar Lining (CML), Add* | *180.81* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *325.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *135.61* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *1,084.87* | |
| 33 14 13 13-1217 | EA | 18" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron | 2,337.76 | 159.70 |
| | | *For Cement Mortar Lining (CML), Add* | *200.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *361.41* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *150.59* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *1,204.69* | |
| 33 14 13 13-1218 | EA | 20" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron | 3,291.34 | 201.30 |
| | | *For Cement Mortar Lining (CML), Add* | *288.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *519.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *216.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *1,733.28* | |
| 33 14 13 13-1219 | EA | 24" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron | 4,083.59 | 251.64 |
| | | *For Cement Mortar Lining (CML), Add* | *358.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *644.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *268.53* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *2,148.25* | |
| **33 14 13 13-1220** | | **Push-On Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-1170)* | | |
| 33 14 13 13-1221 | EA | 4" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron | 233.83 | 39.20 |
| | | *For Cement Mortar Lining (CML), Add* | *17.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *31.39* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *13.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *104.65* | |
| 33 14 13 13-1222 | EA | 6" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron | 344.06 | 57.84 |
| | | *For Cement Mortar Lining (CML), Add* | *25.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *46.15* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *19.23* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *153.83* | |
| 33 14 13 13-1223 | EA | 8" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron | 481.22 | 68.67 |
| | | *For Cement Mortar Lining (CML), Add* | *37.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *67.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *28.28* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *226.27* | |
| 33 14 13 13-1224 | EA | 10" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron | 736.65 | 75.81 |
| | | *For Cement Mortar Lining (CML), Add* | *57.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *104.37* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *43.49* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *347.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1225 | EA | 12" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron | 955.98 | 88.95 |
| | | *For Cement Mortar Lining (CML), Add* | *77.22* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *138.99* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *57.91* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *463.29* | |
| 33 14 13 13-1226 | EA | 14" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron | 1,370.47 | 99.79 |
| | | *For Cement Mortar Lining (CML), Add* | *116.42* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *209.55* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *87.31* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *698.50* | |
| 33 14 13 13-1227 | EA | 16" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron | 2,043.80 | 114.07 |
| | | *For Cement Mortar Lining (CML), Add* | *180.81* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *325.46* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *135.61* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *1,084.87* | |
| 33 14 13 13-1228 | EA | 18" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron | 2,337.76 | 159.70 |
| | | *For Cement Mortar Lining (CML), Add* | *200.78* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *361.41* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *150.59* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *1,204.69* | |
| 33 14 13 13-1229 | EA | 20" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron | 3,291.34 | 201.30 |
| | | *For Cement Mortar Lining (CML), Add* | *288.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *519.98* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *216.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *1,733.28* | |
| 33 14 13 13-1230 | EA | 24" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron | 4,083.59 | 251.64 |
| | | *For Cement Mortar Lining (CML), Add* | *358.04* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *644.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *268.53* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *2,148.25* | |
| **33 14 13 13-1231** | | **Push-On Joint Ductile Iron Tee** *(33 14 13 13-1170)* | | |
| 33 14 13 13-1232 | EA | 4" Tee, Push-On Joint Ductile Iron | 455.09 | 57.84 |
| | | *For Cement Mortar Lining (CML), Add* | *36.74* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *66.14* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *27.56* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *220.45* | |
| 33 14 13 13-1233 | EA | 6" Tee, Push-On Joint Ductile Iron | 631.59 | 85.00 |
| | | *For Cement Mortar Lining (CML), Add* | *50.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *90.50* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *37.71* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *301.66* | |
| 33 14 13 13-1234 | EA | 8" Tee, Push-On Joint Ductile Iron | 868.98 | 103.02 |
| | | *For Cement Mortar Lining (CML), Add* | *71.28* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *128.30* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *53.46* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *427.65* | |
| 33 14 13 13-1235 | EA | 10" Tee, Push-On Joint Ductile Iron | 1,294.39 | 115.22 |
| | | *For Cement Mortar Lining (CML), Add* | *112.16* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *201.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *84.12* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *672.94* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1236 | EA | 12" Tee, Push-On Joint Ductile Iron | 1,616.02 | 132.85 |
| | | *For Cement Mortar Lining (CML), Add* | *141.44* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *254.59* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *106.08* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *848.63* | |
| 33 14 13 13-1237 | EA | 14" Tee, Push-On Joint Ductile Iron | 2,627.80 | 159.70 |
| | | *For Cement Mortar Lining (CML), Add* | *238.58* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *429.45* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *178.94* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *1,431.50* | |
| 33 14 13 13-1238 | EA | 16" Tee, Push-On Joint Ductile Iron | 3,812.63 | 199.68 |
| | | *For Cement Mortar Lining (CML), Add* | *351.02* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *631.83* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *263.26* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *2,106.11* | |
| 33 14 13 13-1239 | EA | 18" Tee, Push-On Joint Ductile Iron | 4,784.96 | 266.39 |
| | | *For Cement Mortar Lining (CML), Add* | *438.13* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *788.64* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *328.60* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *2,628.80* | |
| 33 14 13 13-1240 | EA | 20" Tee, Push-On Joint Ductile Iron | 5,633.55 | 325.04 |
| | | *For Cement Mortar Lining (CML), Add* | *514.11* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *925.40* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *385.58* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *3,084.66* | |
| 33 14 13 13-1241 | EA | 24" Tee, Push-On Joint Ductile Iron | 7,387.54 | 406.27 |
| | | *For Cement Mortar Lining (CML), Add* | *677.20* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,218.97* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *507.90* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| | | *For Restrained Joint Fitting, Add* | *4,063.22* | |

## 33 14 13 13-1242 Flanged End x Push-On Joint Ductile Iron Adapters *(33 14 13 13-1170)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-1243 | EA | 4" Flanged End x Push-On Joint Adapter, Ductile Iron | 457.50 | 136.02 |
| | | *For Cement Mortar Lining (CML), Add* | *25.14* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *45.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *18.86* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1244 | EA | 6" Flanged End x Push-On Joint Adapter, Ductile Iron | 559.90 | 168.41 |
| | | *For Cement Mortar Lining (CML), Add* | *30.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *54.86* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *22.86* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1245 | EA | 8" Flanged End x Push-On Joint Adapter, Ductile Iron | 735.76 | 196.41 |
| | | *For Cement Mortar Lining (CML), Add* | *43.81* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *78.86* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *32.86* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1246 | EA | 10" Flanged End x Push-On Joint Adapter, Ductile Iron | 1,003.51 | 285.18 |
| | | *For Cement Mortar Lining (CML), Add* | *57.14* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *102.86* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *42.86* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1247 | EA | 12" Flanged End x Push-On Joint Adapter, Ductile Iron | 1,217.61 | 325.96 |
| | | *For Cement Mortar Lining (CML), Add* | *72.38* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *130.29* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *54.29* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1248 | EA | 14" Flanged End x Push-On Joint Adapter, Ductile Iron | 1,407.99 | 350.96 |
| | | *For Cement Mortar Lining (CML), Add* | *87.62* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *157.72* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *65.72* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1249 | EA | 16" Flanged End x Push-On Joint Adapter, Ductile Iron | 1,680.87 | 380.23 |
| | | *For Cement Mortar Lining (CML), Add* | *110.48* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *198.86* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *82.86* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1250 | EA | 18" Flanged End x Push-On Joint Adapter, Ductile Iron | 1,986.56 | 456.27 |
| | | *For Cement Mortar Lining (CML), Add* | *129.52* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *233.14* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *97.14* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1251 | EA | 20" Flanged End x Push-On Joint Adapter, Ductile Iron | 2,311.01 | 506.98 |
| | | *For Cement Mortar Lining (CML), Add* | *154.29* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *277.72* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *115.72* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1252 | EA | 24" Flanged End x Push-On Joint Adapter, Ductile Iron | 2,905.38 | 584.97 |
| | | *For Cement Mortar Lining (CML), Add* | *201.91* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *363.43* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *151.43* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1253 | EA | 30" Flanged End x Push-On Joint Adapter, Ductile Iron | 4,687.22 | 701.93 |
| | | *For Cement Mortar Lining (CML), Add* | *362.36* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *652.26* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *271.77* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1254 | EA | 36" Flanged End x Push-On Joint Adapter, Ductile Iron | 6,499.79 | 877.40 |
| | | *For Cement Mortar Lining (CML), Add* | *517.03* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *930.66* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *387.77* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1255 | EA | 42" Flanged End x Push-On Joint Adapter, Ductile Iron | 8,231.17 | 1,013.94 |
| | | *For Cement Mortar Lining (CML), Add* | *669.49* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,205.08* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *502.12* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1256 | EA | 48" Flanged End x Push-On Joint Adapter, Ductile Iron | 10,504.03 | 1,303.61 |
| | | *For Cement Mortar Lining (CML), Add* | *852.88* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,535.19* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *639.66* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |
| 33 14 13 13-1257 | EA | 54" Flanged End x Push-On Joint Adapter, Ductile Iron | 12,772.16 | 1,521.26 |
| | | *For Cement Mortar Lining (CML), Add* | *1,046.71* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Fusion Bonded Epoxy Lining (206N), Add* | *1,884.08* | |
| | | *Note: ANSI/AWWA C104/A21.4* | | |
| | | *For Bituminous Or Coal Tar Coating, 1 Mil, Add* | *785.03* | |
| | | *Note: ANSI/AWWA C151/A21.51* | | |

## 33 14 13 13-1258 Push-On Joint Ductile Iron Pipe And Fitting Restraints *(33 14 13 13-1170)*

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-1259 | EA | 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 58.28 | 21.17 |
| 33 14 13 13-1260 | EA | 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 75.87 | 27.62 |
| 33 14 13 13-1261 | EA | 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 98.57 | 28.19 |
| 33 14 13 13-1262 | EA | 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 117.48 | 29.95 |
| 33 14 13 13-1263 | EA | 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 140.35 | 33.26 |
| 33 14 13 13-1264 | EA | 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 178.39 | 37.42 |
| 33 14 13 13-1265 | EA | 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 210.81 | 42.77 |
| 33 14 13 13-1266 | EA | 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 238.10 | 46.35 |
| 33 14 13 13-1267 | EA | 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 277.24 | 55.60 |
| 33 14 13 13-1268 | EA | 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 335.63 | 57.75 |
| 33 14 13 13-1269 | EA | 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 433.27 | 64.16 |
| 33 14 13 13-1270 | EA | 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 569.43 | 69.50 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 13-1271 | EA | 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 705.94 | 76.04 |
| 33 14 13 13-1272 | EA | 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 834.14 | 85.55 |
| 33 14 13 13-1273 | EA | 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron | 1,160.06 | 92.77 |

### 33 14 13 13-1274 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) *(33 14 13 13-1170)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-1275 | EA | 4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400) | 249.85 | 77.78 |
| 33 14 13 13-1276 | EA | 6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600) | 329.84 | 94.94 |
| 33 14 13 13-1277 | EA | 8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800) | 424.81 | 115.80 |
| 33 14 13 13-1278 | EA | 10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100) | 640.87 | 141.26 |
| 33 14 13 13-1279 | EA | 12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200) | 794.96 | 172.26 |
| 33 14 13 13-1280 | EA | 14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400) | 1,372.27 | 210.17 |
| 33 14 13 13-1281 | EA | 16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600) | 1,566.31 | 256.48 |
| 33 14 13 13-1282 | EA | 18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800) | 1,777.63 | 312.83 |
| 33 14 13 13-1283 | EA | 20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000) | 2,417.36 | 381.72 |
| 33 14 13 13-1284 | EA | 24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400) | 3,083.64 | 465.61 |
| 33 14 13 13-1285 | EA | 30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000) | 5,327.25 | 568.16 |
| 33 14 13 13-1286 | EA | 36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600) | 7,561.01 | 693.06 |
| 33 14 13 13-1287 | EA | 42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200) | 13,743.45 | 845.60 |
| 33 14 13 13-1288 | EA | 48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800) | 17,781.08 | 1,031.57 |

### 33 14 13 13-1289 Ductile Iron Pipe Repair *(33 14 13 13-0001)*

See CSI section 33 14 13 13-0002 for mechanical joint fittings.

### 33 14 13 13-1290 Ductile Iron Pipe Repair *(33 14 13 13-1289)*

Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-1291 | EA | 30" Diameter Mechanical Ductile Iron Push Joint | 4,395.56 | |
| 33 14 13 13-1292 | EA | 36" Diameter Mechanical Ductile Iron Push Joint | 5,621.44 | |
| 33 14 13 13-1293 | EA | 42" Diameter Mechanical Ductile Iron Push Joint | 7,231.28 | |
| 33 14 13 13-1294 | EA | 48" Diameter Mechanical Ductile Iron Push Joint | 9,110.42 | |
| 33 14 13 13-1295 | EA | 54" Diameter Mechanical Ductile Iron Push Joint | 13,325.71 | |

### 33 14 13 13-1296 WEKO Seals *(33 14 13 13-1289)*

Note: Internal joint seal.

| | | | | |
|---|---|---|---|---|
| 33 14 13 13-1297 | EA | 16" WEKO Internal Joint Seal | 2,607.63 | 204.40 |
| | | *For Extra Wide Seals, Add* | *85.49* | |
| 33 14 13 13-1298 | EA | 18" WEKO Internal Joint Seal | 2,779.33 | 215.83 |
| | | *For Extra Wide Seals, Add* | *86.36* | |
| 33 14 13 13-1299 | EA | 20" WEKO Internal Joint Seal | 2,950.85 | 227.27 |
| | | *For Extra Wide Seals, Add* | *87.22* | |
| 33 14 13 13-1300 | EA | 24" WEKO Internal Joint Seal | 3,123.21 | 245.45 |
| | | *For Extra Wide Seals, Add* | *88.60* | |
| 33 14 13 13-1301 | EA | 30" WEKO Internal Joint Seal | 3,217.29 | 263.62 |
| | | *For Extra Wide Seals, Add* | *89.97* | |
| 33 14 13 13-1302 | EA | 36" WEKO Internal Joint Seal | 3,369.12 | 286.36 |
| | | *For Extra Wide Seals, Add* | *91.69* | |
| 33 14 13 13-1303 | EA | 42" WEKO Internal Joint Seal | 3,586.56 | 313.63 |
| | | *For Extra Wide Seals, Add* | *93.76* | |
| 33 14 13 13-1304 | EA | 48" WEKO Internal Joint Seal | 3,875.36 | 336.35 |
| | | *For Extra Wide Seals, Add* | *95.48* | |
| 33 14 13 13-1305 | EA | 54" WEKO Internal Joint Seal | 4,016.43 | 354.54 |
| | | *For Extra Wide Seals, Add* | *96.86* | |
| 33 14 13 13-1306 | EA | 60" WEKO Internal Joint Seal | 4,179.07 | 381.81 |
| | | *For Extra Wide Seals, Add* | *98.93* | |

## 33 14 13 23 Plastic Public Water Utility Distribution Piping *(33 14 13)*

Note: Includes detectable tracer wire.

### 33 14 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 14 13 23)*

### 33 14 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 14 13 23-0001)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 23-0003 | LF | 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe | 2.54 | 0.88 |
| | | *For >1,000, Deduct* | *-0.13* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.05* | |
| 33 14 13 23-0004 | LF | 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe | 2.83 | 0.94 |
| | | *For >1,000, Deduct* | *-0.14* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.07* | |
| 33 14 13 23-0005 | LF | 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe | 3.31 | 1.03 |
| | | *For >1,000, Deduct* | *-0.17* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.11* | |
| 33 14 13 23-0006 | LF | 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe | 3.85 | 1.14 |
| | | *For >1,000, Deduct* | *-0.19* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.15* | |
| 33 14 13 23-0007 | LF | 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe | 5.06 | 1.28 |
| | | *For >1,000, Deduct* | *-0.25* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.28* | |
| 33 14 13 23-0008 | LF | 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe | 6.59 | 1.45 |
| | | *For >1,000, Deduct* | *-0.33* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 23-0009 | LF | 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe | 8.21 | 1.65 |
| | | *For >1,000, Deduct* | *-0.41* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.61* | |
| 33 14 13 23-0010 | LF | 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe | 11.73 | 2.04 |
| | | *For >1,000, Deduct* | *-0.59* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *1.00* | |
| 33 14 13 23-0011 | LF | 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe | 20.96 | 2.59 |
| | | *For >1,000, Deduct* | *-1.05* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *2.17* | |
| 33 14 13 23-0012 | LF | 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe | 33.19 | 3.46 |
| | | *For >1,000, Deduct* | *-1.66* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *3.68* | |
| 33 14 13 23-0013 | LF | 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe | 49.73 | 4.63 |
| | | *For >1,000, Deduct* | *-2.49* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *5.72* | |
| 33 14 13 23-0014 | LF | 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe | 69.33 | 6.23 |
| | | *For >1,000, Deduct* | *-3.47* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *8.06* | |
| **33 14 13 23-0015** | | **90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0001)* | | |
| 33 14 13 23-0016 | EA | 3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow | 26.70 | 10.52 |
| 33 14 13 23-0017 | EA | 1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow | 33.78 | 13.15 |
| 33 14 13 23-0018 | EA | 1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow | 42.61 | 16.43 |
| 33 14 13 23-0019 | EA | 1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow | 66.57 | 18.18 |
| 33 14 13 23-0020 | EA | 2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow | 71.82 | 20.38 |
| 33 14 13 23-0021 | EA | 2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow | 85.36 | 23.11 |
| 33 14 13 23-0022 | EA | 3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow | 97.28 | 26.56 |
| 33 14 13 23-0023 | EA | 4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow | 136.33 | 32.61 |
| 33 14 13 23-0024 | EA | 6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow | 198.05 | 41.43 |
| 33 14 13 23-0025 | EA | 8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow | 324.70 | 54.39 |
| 33 14 13 23-0026 | EA | 10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow | 397.44 | 72.76 |
| 33 14 13 23-0027 | EA | 12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow | 524.85 | 97.94 |
| **33 14 13 23-0028** | | **45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0001)* | | |
| 33 14 13 23-0029 | EA | 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) | 27.26 | 10.52 |
| 33 14 13 23-0030 | EA | 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) | 34.19 | 13.15 |
| 33 14 13 23-0031 | EA | 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) | 42.85 | 16.43 |
| 33 14 13 23-0032 | EA | 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) | 59.15 | 18.18 |
| 33 14 13 23-0033 | EA | 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) | 72.51 | 20.38 |
| 33 14 13 23-0034 | EA | 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) | 88.16 | 23.11 |
| 33 14 13 23-0035 | EA | 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) | 96.09 | 26.56 |
| 33 14 13 23-0036 | EA | 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) | 133.78 | 32.61 |
| 33 14 13 23-0037 | EA | 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) | 192.90 | 41.43 |
| 33 14 13 23-0038 | EA | 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) | 314.90 | 54.39 |
| 33 14 13 23-0039 | EA | 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) | 356.81 | 72.76 |
| 33 14 13 23-0040 | EA | 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) | 468.61 | 97.94 |
| **33 14 13 23-0041** | | **Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0001)* | | |
| 33 14 13 23-0042 | EA | 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 40.01 | 15.77 |
| 33 14 13 23-0043 | EA | 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 50.53 | 19.83 |
| 33 14 13 23-0044 | EA | 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 63.41 | 24.76 |
| 33 14 13 23-0045 | EA | 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 90.74 | 27.39 |
| 33 14 13 23-0046 | EA | 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 103.52 | 30.45 |
| 33 14 13 23-0047 | EA | 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 120.81 | 34.73 |
| 33 14 13 23-0048 | EA | 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 149.06 | 39.72 |
| 33 14 13 23-0049 | EA | 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 196.92 | 48.97 |
| 33 14 13 23-0050 | EA | 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 332.57 | 62.25 |
| 33 14 13 23-0051 | EA | 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 502.16 | 81.59 |
| 33 14 13 23-0052 | EA | 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 578.57 | 111.10 |
| 33 14 13 23-0053 | EA | 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 719.11 | 149.51 |
| **33 14 13 23-0054** | | **Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0001)* | | |
| 33 14 13 23-0055 | EA | 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 17.88 | 7.02 |
| 33 14 13 23-0056 | EA | 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 24.17 | 9.43 |
| 33 14 13 23-0057 | EA | 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 32.36 | 12.38 |
| 33 14 13 23-0058 | EA | 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 46.54 | 13.70 |
| 33 14 13 23-0059 | EA | 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 51.26 | 15.23 |
| 33 14 13 23-0060 | EA | 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 58.29 | 17.31 |
| 33 14 13 23-0061 | EA | 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 68.35 | 19.86 |
| 33 14 13 23-0062 | EA | 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 94.74 | 24.43 |
| 33 14 13 23-0063 | EA | 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 136.70 | 31.12 |
| 33 14 13 23-0064 | EA | 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 236.29 | 40.79 |
| 33 14 13 23-0065 | EA | 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 273.35 | 55.60 |
| 33 14 13 23-0066 | EA | 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC) | 346.70 | 74.75 |
| **33 14 13 23-0067** | | **Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 14 13 23-0068** | | **Schedule 40 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0067)* | | |
| 33 14 13 23-0069 | LF | 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe | 2.83 | 0.88 |
| | | *For >1,000, Deduct* | *-0.14* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.10* | |
| 33 14 13 23-0070 | LF | 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe | 3.37 | 0.94 |
| | | *For >1,000, Deduct* | *-0.17* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.15* | |
| 33 14 13 23-0071 | LF | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe | 4.36 | 1.14 |
| | | *For >1,000, Deduct* | *-0.22* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.23* | |
| 33 14 13 23-0072 | LF | 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe | 5.25 | 1.28 |
| | | *For >1,000, Deduct* | *-0.26* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.31* | |
| 33 14 13 23-0073 | LF | 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe | 6.89 | 1.45 |
| | | *For >1,000, Deduct* | *-0.34* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.49* | |
| 33 14 13 23-0074 | LF | 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe | 8.40 | 1.65 |
| | | *For >1,000, Deduct* | *-0.42* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.64* | |
| 33 14 13 23-0075 | LF | 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe | 11.22 | 2.04 |
| | | *For >1,000, Deduct* | *-0.56* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.92* | |
| 33 14 13 23-0076 | LF | 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe | 17.17 | 2.59 |
| | | *For >1,000, Deduct* | *-0.86* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *1.60* | |
| **33 14 13 23-0077** | | **Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0067)* | | |
| 33 14 13 23-0078 | EA | 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 26.90 | 10.52 |
| 33 14 13 23-0079 | EA | 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 33.90 | 13.15 |
| 33 14 13 23-0080 | EA | 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 47.20 | 18.18 |
| 33 14 13 23-0081 | EA | 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 53.42 | 20.38 |
| 33 14 13 23-0082 | EA | 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 64.70 | 23.11 |
| 33 14 13 23-0083 | EA | 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 74.67 | 26.56 |
| 33 14 13 23-0084 | EA | 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 98.48 | 32.61 |
| 33 14 13 23-0085 | EA | 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 157.52 | 41.43 |
| **33 14 13 23-0086** | | **Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0067)* | | |
| 33 14 13 23-0087 | EA | 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 26.85 | 10.52 |
| 33 14 13 23-0088 | EA | 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 33.85 | 13.15 |
| 33 14 13 23-0089 | EA | 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 47.22 | 18.18 |
| 33 14 13 23-0090 | EA | 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 53.23 | 20.38 |
| 33 14 13 23-0091 | EA | 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 64.17 | 23.11 |
| 33 14 13 23-0092 | EA | 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 74.05 | 26.56 |
| 33 14 13 23-0093 | EA | 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 97.23 | 32.61 |
| 33 14 13 23-0094 | EA | 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) | 153.54 | 41.43 |
| **33 14 13 23-0095** | | **Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0067)* | | |
| 33 14 13 23-0096 | EA | 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) | 40.22 | 15.77 |
| 33 14 13 23-0097 | EA | 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) | 50.70 | 19.83 |
| 33 14 13 23-0098 | EA | 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) | 70.56 | 27.39 |
| 33 14 13 23-0099 | EA | 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) | 79.45 | 30.45 |
| 33 14 13 23-0100 | EA | 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) | 97.34 | 34.73 |
| 33 14 13 23-0101 | EA | 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) | 114.54 | 39.72 |
| 33 14 13 23-0102 | EA | 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) | 142.63 | 48.97 |
| 33 14 13 23-0103 | EA | 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) | 240.10 | 62.25 |
| **33 14 13 23-0104** | | **Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0067)* | | |
| 33 14 13 23-0105 | EA | 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC) | 17.98 | 7.02 |
| 33 14 13 23-0106 | EA | 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC) | 24.25 | 9.43 |
| 33 14 13 23-0107 | EA | 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC) | 35.15 | 13.70 |
| 33 14 13 23-0108 | EA | 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC) | 39.71 | 15.23 |
| 33 14 13 23-0109 | EA | 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC) | 46.82 | 17.31 |
| 33 14 13 23-0110 | EA | 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC) | 55.06 | 19.86 |
| 33 14 13 23-0111 | EA | 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC) | 68.28 | 24.43 |
| 33 14 13 23-0112 | EA | 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC) | 102.30 | 31.12 |
| **33 14 13 23-0113** | | **Crosses, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0067)* | | |
| 33 14 13 23-0114 | EA | 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC) | 53.81 | 21.04 |
| 33 14 13 23-0115 | EA | 1" Cross, Schedule 40 Polyvinyl Chloride (PVC) | 67.52 | 26.40 |
| 33 14 13 23-0116 | EA | 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC) | 94.06 | 36.49 |
| 33 14 13 23-0117 | EA | 2" Cross, Schedule 40 Polyvinyl Chloride (PVC) | 105.92 | 40.65 |
| 33 14 13 23-0118 | EA | 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC) | 129.74 | 46.24 |
| 33 14 13 23-0119 | EA | 3" Cross, Schedule 40 Polyvinyl Chloride (PVC) | 152.63 | 53.01 |
| 33 14 13 23-0120 | EA | 4" Cross, Schedule 40 Polyvinyl Chloride (PVC) | 190.05 | 65.22 |
| 33 14 13 23-0121 | EA | 6" Cross, Schedule 40 Polyvinyl Chloride (PVC) | 319.64 | 82.96 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 23-0122 | | **Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)* | | |
| 33 14 13 23-0123 | | **Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0122)* | | |
| 33 14 13 23-0124 | LF | 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe | 3.69 | 0.94 |
| | | *For >1,000, Deduct* | *-0.18* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.20* | |
| 33 14 13 23-0125 | LF | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe | 4.99 | 1.14 |
| | | *For >1,000, Deduct* | *-0.25* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.32* | |
| 33 14 13 23-0126 | LF | 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe | 6.30 | 1.28 |
| | | *For >1,000, Deduct* | *-0.32* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.47* | |
| 33 14 13 23-0127 | LF | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe | 8.25 | 1.45 |
| | | *For >1,000, Deduct* | *-0.41* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.70* | |
| 33 14 13 23-0128 | LF | 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe | 10.32 | 1.65 |
| | | *For >1,000, Deduct* | *-0.52* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *0.93* | |
| 33 14 13 23-0129 | LF | 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe | 14.14 | 2.04 |
| | | *For >1,000, Deduct* | *-0.71* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *1.36* | |
| 33 14 13 23-0130 | LF | 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe | 23.69 | 2.59 |
| | | *For >1,000, Deduct* | *-1.18* | |
| | | *For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add* | *2.58* | |
| 33 14 13 23-0131 | | **Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0122)* | | |
| 33 14 13 23-0132 | EA | 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) | 35.52 | 13.15 |
| 33 14 13 23-0133 | EA | 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) | 47.20 | 18.18 |
| 33 14 13 23-0134 | EA | 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) | 55.04 | 20.38 |
| 33 14 13 23-0135 | EA | 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) | 68.14 | 23.11 |
| 33 14 13 23-0136 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow | 77.87 | 26.56 |
| 33 14 13 23-0137 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow | 99.25 | 32.61 |
| 33 14 13 23-0138 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow | 153.88 | 41.43 |
| 33 14 13 23-0139 | | **Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0122)* | | |
| 33 14 13 23-0140 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow | 42.17 | 13.15 |
| 33 14 13 23-0141 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow | 53.60 | 18.18 |
| 33 14 13 23-0142 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow | 61.20 | 20.38 |
| 33 14 13 23-0143 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow | 79.69 | 23.11 |
| 33 14 13 23-0144 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow | 92.90 | 26.56 |
| 33 14 13 23-0145 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow | 129.48 | 32.61 |
| 33 14 13 23-0146 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow | 151.85 | 41.43 |
| 33 14 13 23-0147 | | **Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0122)* | | |
| 33 14 13 23-0148 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes | 54.10 | 19.83 |
| 33 14 13 23-0149 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes | 80.89 | 27.39 |
| 33 14 13 23-0150 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes | 91.77 | 30.45 |
| 33 14 13 23-0151 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes | 103.87 | 34.73 |
| 33 14 13 23-0152 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes | 120.78 | 39.72 |
| 33 14 13 23-0153 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes | 147.12 | 48.97 |
| 33 14 13 23-0154 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes | 239.94 | 62.25 |
| 33 14 13 23-0155 | | **Schedule 80 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0122)* | | |
| 33 14 13 23-0156 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling | 26.68 | 9.43 |
| 33 14 13 23-0157 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling | 39.33 | 13.70 |
| 33 14 13 23-0158 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling | 43.64 | 15.23 |
| 33 14 13 23-0159 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling | 56.91 | 17.31 |
| 33 14 13 23-0160 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling | 65.23 | 19.86 |
| 33 14 13 23-0161 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling | 80.64 | 24.43 |
| 33 14 13 23-0162 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) Coupling | 119.56 | 31.12 |
| 33 14 13 23-0163 | | **Crosses, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0122)* | | |
| 33 14 13 23-0164 | EA | 1" Schedule 80 Polyvinyl Chloride (PVC) Cross | 72.04 | 26.40 |
| 33 14 13 23-0165 | EA | 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross | 107.78 | 36.49 |
| 33 14 13 23-0166 | EA | 2" Schedule 80 Polyvinyl Chloride (PVC) Cross | 122.27 | 40.65 |
| 33 14 13 23-0167 | EA | 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross | 138.40 | 46.24 |
| 33 14 13 23-0168 | EA | 3" Schedule 80 Polyvinyl Chloride (PVC) Cross | 160.91 | 53.01 |
| 33 14 13 23-0169 | EA | 4" Schedule 80 Polyvinyl Chloride (PVC) Cross | 196.02 | 65.22 |
| 33 14 13 23-0170 | EA | 6" Schedule 80 Polyvinyl Chloride (PVC) Cross | 319.43 | 82.96 |
| 33 14 13 23-0171 | | **AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23)*<br>Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green. | | |
| 33 14 13 23-0172 | | **AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 23-0173 | LF | 4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 11.48 | 4.10 |
| 33 14 13 23-0174 | LF | 6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 16.62 | 4.98 |
| 33 14 13 23-0175 | LF | 8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 22.70 | 5.60 |
| 33 14 13 23-0176 | LF | 10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 29.79 | 6.22 |
| 33 14 13 23-0177 | LF | 12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 38.50 | 6.97 |
| **33 14 13 23-0178** | | **AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)* | | |
| 33 14 13 23-0179 | LF | 4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe | 12.66 | 4.10 |
| 33 14 13 23-0180 | LF | 6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe | 19.06 | 4.98 |
| 33 14 13 23-0181 | LF | 8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe | 26.79 | 5.60 |
| 33 14 13 23-0182 | LF | 10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe | 36.16 | 6.22 |
| 33 14 13 23-0183 | LF | 12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe | 47.40 | 6.97 |
| **33 14 13 23-0184** | | **AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)* | | |
| 33 14 13 23-0185 | LF | 4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe | 13.81 | 4.10 |
| 33 14 13 23-0186 | LF | 6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe | 21.47 | 4.98 |
| 33 14 13 23-0187 | LF | 8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe | 30.89 | 5.60 |
| 33 14 13 23-0188 | LF | 10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe | 42.39 | 6.22 |
| 33 14 13 23-0189 | LF | 12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe | 56.30 | 6.97 |
| **33 14 13 23-0190** | | **AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)* | | |
| 33 14 13 23-0191 | LF | 18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe | 60.40 | 10.45 |
| 33 14 13 23-0192 | LF | 20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe | 73.64 | 12.43 |
| 33 14 13 23-0193 | LF | 24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe | 98.70 | 14.93 |
| 33 14 13 23-0194 | LF | 30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe | 142.44 | 17.41 |
| 33 14 13 23-0195 | LF | 36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe | 196.44 | 19.90 |
| 33 14 13 23-0196 | LF | 42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe | 248.75 | 21.14 |
| 33 14 13 23-0197 | LF | 48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe | 314.89 | 22.77 |
| **33 14 13 23-0198** | | **AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)* | | |
| 33 14 13 23-0199 | LF | 14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe | 44.60 | 7.84 |
| 33 14 13 23-0200 | LF | 16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe | 55.89 | 8.71 |
| 33 14 13 23-0201 | LF | 18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe | 69.30 | 10.45 |
| 33 14 13 23-0202 | LF | 20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe | 85.20 | 12.43 |
| 33 14 13 23-0203 | LF | 24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe | 116.53 | 14.93 |
| 33 14 13 23-0204 | LF | 30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe | 168.02 | 17.41 |
| 33 14 13 23-0205 | LF | 36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe | 230.70 | 19.90 |
| 33 14 13 23-0206 | LF | 42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe | 305.73 | 21.14 |
| 33 14 13 23-0207 | LF | 48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe | 388.81 | 22.77 |
| **33 14 13 23-0208** | | **AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)* | | |
| 33 14 13 23-0209 | LF | 14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe | 51.45 | 7.84 |
| 33 14 13 23-0210 | LF | 16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe | 65.41 | 8.71 |
| 33 14 13 23-0211 | LF | 18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe | 81.12 | 10.45 |
| 33 14 13 23-0212 | LF | 20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe | 100.53 | 12.43 |
| 33 14 13 23-0213 | LF | 24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe | 138.55 | 14.93 |
| 33 14 13 23-0214 | LF | 30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe | 201.09 | 17.41 |
| 33 14 13 23-0215 | LF | 36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe | 278.98 | 19.90 |
| 33 14 13 23-0216 | LF | 42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe | 362.92 | 21.14 |
| 33 14 13 23-0217 | LF | 48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe | 463.44 | 22.77 |
| **33 14 13 23-0218** | | **AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)* | | |
| 33 14 13 23-0219 | LF | 14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 63.17 | 7.84 |
| 33 14 13 23-0220 | LF | 16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 79.32 | 8.71 |
| 33 14 13 23-0221 | LF | 18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 99.03 | 10.45 |
| 33 14 13 23-0222 | LF | 20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 122.17 | 12.43 |
| 33 14 13 23-0223 | LF | 24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 169.74 | 14.93 |
| 33 14 13 23-0224 | LF | 30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 250.05 | 17.41 |
| 33 14 13 23-0225 | LF | 36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 354.25 | 19.90 |
| 33 14 13 23-0226 | LF | 42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 473.31 | 21.14 |
| 33 14 13 23-0227 | LF | 48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe | 611.58 | 22.77 |
| **33 14 13 23-0228** | | **AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)* | | |
| 33 14 13 23-0229 | LF | 14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe | 71.97 | 7.84 |
| 33 14 13 23-0230 | LF | 16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe | 90.78 | 8.71 |
| 33 14 13 23-0231 | LF | 18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe | 113.48 | 10.45 |
| 33 14 13 23-0232 | LF | 20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe | 140.16 | 12.43 |
| 33 14 13 23-0233 | LF | 24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe | 195.63 | 14.93 |
| 33 14 13 23-0234 | LF | 30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe | 289.87 | 17.41 |
| 33 14 13 23-0235 | LF | 36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe | 412.42 | 19.90 |
| 33 14 13 23-0236 | LF | 42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe | 553.04 | 21.14 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 14 13 23-0237** | | **AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)* | | |
| 33 14 13 23-0238 | LF | 14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe | 80.55 | 7.84 |
| 33 14 13 23-0239 | LF | 16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe | 101.92 | 8.71 |
| 33 14 13 23-0240 | LF | 18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe | 127.52 | 10.45 |
| 33 14 13 23-0241 | LF | 20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe | 157.66 | 12.43 |
| 33 14 13 23-0242 | LF | 24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe | 220.80 | 14.93 |
| 33 14 13 23-0243 | LF | 30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe | 328.61 | 17.41 |
| 33 14 13 23-0244 | LF | 36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe | 469.02 | 19.90 |
| **33 14 13 23-0245** | | **AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings** *(33 14 13 23)* | | |
| | | Note: Includes rubber gaskets. | | |
| **33 14 13 23-0246** | | **90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)* | | |
| 33 14 13 23-0247 | EA | 4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 214.69 | 13.15 |
| | | *For DR 25, Deduct* | *-11.30* | |
| 33 14 13 23-0248 | EA | 6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 440.80 | 14.79 |
| | | *For DR 25, Deduct* | *-24.67* | |
| 33 14 13 23-0249 | EA | 8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 662.74 | 16.43 |
| | | *For DR 25, Deduct* | *-37.79* | |
| 33 14 13 23-0250 | EA | 10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,011.70 | 25.96 |
| | | *For DR 25, Deduct* | *-57.59* | |
| 33 14 13 23-0251 | EA | 12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,315.49 | 43.27 |
| | | *For DR 25, Deduct* | *-73.74* | |
| 33 14 13 23-0252 | EA | 14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,976.83 | 54.09 |
| | | *For DR 25, Deduct* | *-112.12* | |
| 33 14 13 23-0253 | EA | 16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 2,359.05 | 64.91 |
| | | *For DR 25, Deduct* | *-133.75* | |
| 33 14 13 23-0254 | EA | 18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,051.00 | 86.54 |
| | | *For DR 25, Deduct* | *-232.67* | |
| 33 14 13 23-0255 | EA | 20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,986.73 | 108.18 |
| | | *For DR 25, Deduct* | *-286.22* | |
| 33 14 13 23-0256 | EA | 24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 8,281.88 | 146.04 |
| | | *For DR 25, Deduct* | *-479.39* | |
| **33 14 13 23-0257** | | **45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)* | | |
| 33 14 13 23-0258 | EA | 4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 190.08 | 13.15 |
| | | *For DR 25, Deduct* | *-9.83* | |
| 33 14 13 23-0259 | EA | 6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 329.25 | 14.79 |
| | | *For DR 25, Deduct* | *-17.98* | |
| 33 14 13 23-0260 | EA | 8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 417.47 | 16.43 |
| | | *For DR 25, Deduct* | *-23.08* | |
| 33 14 13 23-0261 | EA | 10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 589.90 | 25.96 |
| | | *For DR 25, Deduct* | *-32.28* | |
| 33 14 13 23-0262 | EA | 12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 787.68 | 43.27 |
| | | *For DR 25, Deduct* | *-42.07* | |
| 33 14 13 23-0263 | EA | 14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,517.71 | 54.09 |
| | | *For DR 25, Deduct* | *-84.57* | |
| 33 14 13 23-0264 | EA | 16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,924.10 | 64.91 |
| | | *For DR 25, Deduct* | *-107.66* | |
| 33 14 13 23-0265 | EA | 18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,323.80 | 86.54 |
| | | *For DR 25, Deduct* | *-189.04* | |
| 33 14 13 23-0266 | EA | 20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,128.24 | 108.18 |
| | | *For DR 25, Deduct* | *-234.71* | |
| 33 14 13 23-0267 | EA | 24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,826.53 | 146.04 |
| | | *For DR 25, Deduct* | *-332.07* | |
| **33 14 13 23-0268** | | **22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)* | | |
| 33 14 13 23-0269 | EA | 4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 187.09 | 13.15 |
| | | *For DR 25, Deduct* | *-9.65* | |
| 33 14 13 23-0270 | EA | 6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 329.25 | 14.79 |
| | | *For DR 25, Deduct* | *-17.98* | |
| 33 14 13 23-0271 | EA | 8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 417.47 | 16.43 |
| | | *For DR 25, Deduct* | *-23.08* | |
| 33 14 13 23-0272 | EA | 10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 589.92 | 25.96 |
| | | *For DR 25, Deduct* | *-32.28* | |
| 33 14 13 23-0273 | EA | 12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 787.68 | 43.27 |
| | | *For DR 25, Deduct* | *-42.07* | |
| 33 14 13 23-0274 | EA | 14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,513.36 | 51.93 |
| | | *For DR 25, Deduct* | *-84.57* | |
| 33 14 13 23-0275 | EA | 16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,924.08 | 64.91 |
| | | *For DR 25, Deduct* | *-107.66* | |
| 33 14 13 23-0276 | EA | 18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,323.80 | 86.54 |
| | | *For DR 25, Deduct* | *-189.04* | |
| 33 14 13 23-0277 | EA | 20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,128.24 | 108.18 |
| | | *For DR 25, Deduct* | *-234.71* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 23-0278 | EA | 24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,826.53 | 146.04 |
| | | *For DR 25, Deduct* | *-332.07* | |

## 33 14 13 23-0279 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 23-0280 | EA | 4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 165.07 | 13.15 |
| | | *For DR 25, Deduct* | *-8.33* | |
| 33 14 13 23-0281 | EA | 6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 329.25 | 14.79 |
| | | *For DR 25, Deduct* | *-17.98* | |
| 33 14 13 23-0282 | EA | 8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 417.47 | 16.43 |
| | | *For DR 25, Deduct* | *-23.08* | |
| 33 14 13 23-0283 | EA | 10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 589.92 | 25.96 |
| | | *For DR 25, Deduct* | *-32.28* | |
| 33 14 13 23-0284 | EA | 12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 787.68 | 43.27 |
| | | *For DR 25, Deduct* | *-42.07* | |
| 33 14 13 23-0285 | EA | 14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,513.36 | 51.93 |
| | | *For DR 25, Deduct* | *-84.57* | |
| 33 14 13 23-0286 | EA | 16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,924.08 | 64.91 |
| | | *For DR 25, Deduct* | *-107.66* | |
| 33 14 13 23-0287 | EA | 18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,323.80 | 86.54 |
| | | *For DR 25, Deduct* | *-189.04* | |
| 33 14 13 23-0288 | EA | 20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,128.24 | 108.18 |
| | | *For DR 25, Deduct* | *-234.71* | |
| 33 14 13 23-0289 | EA | 24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,826.53 | 146.04 |
| | | *For DR 25, Deduct* | *-332.07* | |

## 33 14 13 23-0290 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 23-0291 | EA | 4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 255.24 | 14.79 |
| | | *For DR 25, Deduct* | *-13.54* | |
| 33 14 13 23-0292 | EA | 6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 494.18 | 16.43 |
| | | *For DR 25, Deduct* | *-27.68* | |
| 33 14 13 23-0293 | EA | 8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 690.06 | 18.63 |
| | | *For DR 25, Deduct* | *-39.17* | |
| 33 14 13 23-0294 | EA | 10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,423.02 | 32.45 |
| | | *For DR 25, Deduct* | *-81.49* | |
| 33 14 13 23-0295 | EA | 12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,733.98 | 64.91 |
| | | *For DR 25, Deduct* | *-96.25* | |
| 33 14 13 23-0296 | EA | 14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,135.74 | 81.13 |
| | | *For DR 25, Deduct* | *-178.41* | |
| 33 14 13 23-0297 | EA | 16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,884.28 | 97.36 |
| | | *For DR 25, Deduct* | *-221.37* | |
| 33 14 13 23-0298 | EA | 18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,900.26 | 129.81 |
| | | *For DR 25, Deduct* | *-278.44* | |
| 33 14 13 23-0299 | EA | 20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,883.87 | 162.27 |
| | | *For DR 25, Deduct* | *-333.56* | |
| 33 14 13 23-0300 | EA | 24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 8,085.28 | 110.34 |
| | | *For DR 25, Deduct* | *-471.88* | |

## 33 14 13 23-0301 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 23-0302 | EA | 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 491.56 | 21.36 |
| | | *For DR 25, Deduct* | *-26.93* | |
| 33 14 13 23-0303 | EA | 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 669.24 | 23.01 |
| | | *For DR 25, Deduct* | *-37.39* | |
| 33 14 13 23-0304 | EA | 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 685.97 | 23.83 |
| | | *For DR 25, Deduct* | *-38.30* | |
| 33 14 13 23-0305 | EA | 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 889.64 | 32.45 |
| | | *For DR 25, Deduct* | *-49.48* | |
| 33 14 13 23-0306 | EA | 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,206.09 | 33.26 |
| | | *For DR 25, Deduct* | *-68.37* | |
| 33 14 13 23-0307 | EA | 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,290.41 | 34.08 |
| | | *For DR 25, Deduct* | *-73.34* | |
| 33 14 13 23-0308 | EA | 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,366.52 | 49.76 |
| | | *For DR 25, Deduct* | *-76.02* | |
| 33 14 13 23-0309 | EA | 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,569.38 | 50.58 |
| | | *For DR 25, Deduct* | *-88.09* | |
| 33 14 13 23-0310 | EA | 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,665.19 | 51.38 |
| | | *For DR 25, Deduct* | *-93.75* | |
| 33 14 13 23-0311 | EA | 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,696.13 | 56.25 |
| | | *For DR 25, Deduct* | *-95.02* | |
| 33 14 13 23-0312 | EA | 14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 2,578.96 | 58.41 |
| | | *For DR 25, Deduct* | *-147.73* | |
| 33 14 13 23-0313 | EA | 14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 2,682.87 | 59.23 |
| | | *For DR 25, Deduct* | *-153.86* | |
| 33 14 13 23-0314 | EA | 14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 2,787.04 | 60.04 |
| | | *For DR 25, Deduct* | *-160.02* | |
| 33 14 13 23-0315 | EA | 14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 2,898.71 | 64.91 |
| | | *For DR 25, Deduct* | *-166.13* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 23-0316 | EA | 14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,018.37 | 73.56 |
| | | *For DR 25, Deduct* | *-172.28* | |
| 33 14 13 23-0317 | EA | 16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,218.62 | 71.40 |
| | | *For DR 25, Deduct* | *-184.55* | |
| 33 14 13 23-0318 | EA | 16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,320.87 | 71.40 |
| | | *For DR 25, Deduct* | *-190.68* | |
| 33 14 13 23-0319 | EA | 16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,424.80 | 72.21 |
| | | *For DR 25, Deduct* | *-196.82* | |
| 33 14 13 23-0320 | EA | 16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,528.72 | 73.03 |
| | | *For DR 25, Deduct* | *-202.96* | |
| 33 14 13 23-0321 | EA | 16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,658.02 | 86.54 |
| | | *For DR 25, Deduct* | *-209.10* | |
| 33 14 13 23-0322 | EA | 16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,768.96 | 90.87 |
| | | *For DR 25, Deduct* | *-215.23* | |
| 33 14 13 23-0323 | EA | 18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,977.14 | 93.03 |
| | | *For DR 25, Deduct* | *-227.46* | |
| 33 14 13 23-0324 | EA | 18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,081.77 | 93.84 |
| | | *For DR 25, Deduct* | *-233.64* | |
| 33 14 13 23-0325 | EA | 18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,185.68 | 94.66 |
| | | *For DR 25, Deduct* | *-239.78* | |
| 33 14 13 23-0326 | EA | 18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,297.70 | 99.53 |
| | | *For DR 25, Deduct* | *-245.92* | |
| 33 14 13 23-0327 | EA | 18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,417.25 | 108.18 |
| | | *For DR 25, Deduct* | *-252.05* | |
| 33 14 13 23-0328 | EA | 18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,527.50 | 112.51 |
| | | *For DR 25, Deduct* | *-258.15* | |
| 33 14 13 23-0329 | EA | 18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,667.47 | 118.99 |
| | | *For DR 25, Deduct* | *-265.77* | |
| 33 14 13 23-0330 | EA | 20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,044.63 | 114.67 |
| | | *For DR 25, Deduct* | *-288.92* | |
| 33 14 13 23-0331 | EA | 20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,220.91 | 115.48 |
| | | *For DR 25, Deduct* | *-299.40* | |
| 33 14 13 23-0332 | EA | 20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,290.24 | 116.29 |
| | | *For DR 25, Deduct* | *-303.46* | |
| 33 14 13 23-0333 | EA | 20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,367.77 | 121.16 |
| | | *For DR 25, Deduct* | *-307.53* | |
| 33 14 13 23-0334 | EA | 20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,452.82 | 129.81 |
| | | *For DR 25, Deduct* | *-311.59* | |
| 33 14 13 23-0335 | EA | 20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,571.28 | 134.14 |
| | | *For DR 25, Deduct* | *-318.18* | |
| 33 14 13 23-0336 | EA | 20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,694.11 | 140.63 |
| | | *For DR 25, Deduct* | *-324.77* | |
| 33 14 13 23-0337 | EA | 20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,788.98 | 151.46 |
| | | *For DR 25, Deduct* | *-329.16* | |
| 33 14 13 23-0338 | EA | 24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,937.64 | 152.53 |
| | | *For DR 25, Deduct* | *-337.95* | |
| 33 14 13 23-0339 | EA | 24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 6,012.54 | 153.34 |
| | | *For DR 25, Deduct* | *-342.35* | |
| 33 14 13 23-0340 | EA | 24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 6,087.43 | 154.16 |
| | | *For DR 25, Deduct* | *-346.75* | |
| 33 14 13 23-0341 | EA | 24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 6,395.08 | 159.02 |
| | | *For DR 25, Deduct* | *-364.62* | |
| 33 14 13 23-0342 | EA | 24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 6,710.28 | 167.68 |
| | | *For DR 25, Deduct* | *-382.50* | |
| 33 14 13 23-0343 | EA | 24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 7,016.87 | 172.01 |
| | | *For DR 25, Deduct* | *-400.37* | |
| 33 14 13 23-0344 | EA | 24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 7,327.79 | 178.49 |
| | | *For DR 25, Deduct* | *-418.25* | |
| 33 14 13 23-0345 | EA | 24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 7,647.36 | 189.31 |
| | | *For DR 25, Deduct* | *-436.12* | |
| 33 14 13 23-0346 | EA | 24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 7,966.90 | 200.14 |
| | | *For DR 25, Deduct* | *-454.00* | |

### 33 14 13 23-0347 Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 23-0348 | EA | 4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 353.46 | 26.29 |
| | | *For DR 25, Deduct* | *-18.05* | |
| 33 14 13 23-0349 | EA | 6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 636.60 | 29.58 |
| | | *For DR 25, Deduct* | *-34.65* | |
| 33 14 13 23-0350 | EA | 8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 882.14 | 32.86 |
| | | *For DR 25, Deduct* | *-48.98* | |
| 33 14 13 23-0351 | EA | 10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,800.77 | 51.93 |
| | | *For DR 25, Deduct* | *-101.82* | |
| 33 14 13 23-0352 | EA | 12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 2,135.43 | 64.91 |
| | | *For DR 25, Deduct* | *-120.34* | |
| 33 14 13 23-0353 | EA | 14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,890.14 | 86.54 |
| | | *For DR 25, Deduct* | *-223.02* | |
| 33 14 13 23-0354 | EA | 16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,827.56 | 108.18 |
| | | *For DR 25, Deduct* | *-276.68* | |
| 33 14 13 23-0355 | EA | 18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 6,147.84 | 173.09 |
| | | *For DR 25, Deduct* | *-348.10* | |
| 33 14 13 23-0356 | EA | 20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 7,381.99 | 216.36 |
| | | *For DR 25, Deduct* | *-416.96* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 23-0357 | EA | 24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 10,414.32 | 292.08 |
| | | *For DR 25, Deduct* | *-589.81* | |

## 33 14 13 23-0358 Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 23-0359 | EA | 6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 617.36 | 27.94 |
| | | *For DR 25, Deduct* | *-33.69* | |
| 33 14 13 23-0360 | EA | 8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 839.16 | 29.58 |
| | | *For DR 25, Deduct* | *-46.80* | |
| 33 14 13 23-0361 | EA | 8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 860.52 | 31.22 |
| | | *For DR 25, Deduct* | *-47.88* | |
| 33 14 13 23-0362 | EA | 10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,290.88 | 38.95 |
| | | *For DR 25, Deduct* | *-72.78* | |
| 33 14 13 23-0363 | EA | 10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,505.76 | 40.57 |
| | | *For DR 25, Deduct* | *-85.48* | |
| 33 14 13 23-0364 | EA | 10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,654.41 | 42.19 |
| | | *For DR 25, Deduct* | *-94.20* | |
| 33 14 13 23-0365 | EA | 12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,696.76 | 56.25 |
| | | *For DR 25, Deduct* | *-95.06* | |
| 33 14 13 23-0366 | EA | 12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,950.96 | 57.88 |
| | | *For DR 25, Deduct* | *-110.11* | |
| 33 14 13 23-0367 | EA | 12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 2,071.97 | 59.50 |
| | | *For DR 25, Deduct* | *-117.18* | |
| 33 14 13 23-0368 | EA | 12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 2,117.83 | 69.23 |
| | | *For DR 25, Deduct* | *-118.76* | |
| 33 14 13 23-0369 | EA | 14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,207.45 | 64.91 |
| | | *For DR 25, Deduct* | *-184.66* | |
| 33 14 13 23-0370 | EA | 14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,338.18 | 66.53 |
| | | *For DR 25, Deduct* | *-192.31* | |
| 33 14 13 23-0371 | EA | 14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,470.31 | 68.15 |
| | | *For DR 25, Deduct* | *-200.04* | |
| 33 14 13 23-0372 | EA | 14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,618.12 | 77.89 |
| | | *For DR 25, Deduct* | *-207.74* | |
| 33 14 13 23-0373 | EA | 14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,780.11 | 95.20 |
| | | *For DR 25, Deduct* | *-215.38* | |
| 33 14 13 23-0374 | EA | 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,999.95 | 77.89 |
| | | *For DR 25, Deduct* | *-230.65* | |
| 33 14 13 23-0375 | EA | 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,132.39 | 79.51 |
| | | *For DR 25, Deduct* | *-238.40* | |
| 33 14 13 23-0376 | EA | 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,263.42 | 81.13 |
| | | *For DR 25, Deduct* | *-246.07* | |
| 33 14 13 23-0377 | EA | 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,411.12 | 90.87 |
| | | *For DR 25, Deduct* | *-253.76* | |
| 33 14 13 23-0378 | EA | 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,482.05 | 108.18 |
| | | *For DR 25, Deduct* | *-255.94* | |
| 33 14 13 23-0379 | EA | 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,718.08 | 116.83 |
| | | *For DR 25, Deduct* | *-269.06* | |
| 33 14 13 23-0380 | EA | 18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,938.54 | 99.53 |
| | | *For DR 25, Deduct* | *-284.37* | |
| 33 14 13 23-0381 | EA | 18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,070.66 | 101.15 |
| | | *For DR 25, Deduct* | *-292.10* | |
| 33 14 13 23-0382 | EA | 18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,201.89 | 102.77 |
| | | *For DR 25, Deduct* | *-299.78* | |
| 33 14 13 23-0383 | EA | 18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,347.68 | 112.51 |
| | | *For DR 25, Deduct* | *-307.36* | |
| 33 14 13 23-0384 | EA | 18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,511.19 | 129.81 |
| | | *For DR 25, Deduct* | *-315.09* | |
| 33 14 13 23-0385 | EA | 18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,655.88 | 138.47 |
| | | *For DR 25, Deduct* | *-322.74* | |
| 33 14 13 23-0386 | EA | 18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,840.36 | 151.46 |
| | | *For DR 25, Deduct* | *-332.25* | |
| 33 14 13 23-0387 | EA | 20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 6,262.04 | 121.16 |
| | | *For DR 25, Deduct* | *-361.18* | |
| 33 14 13 23-0388 | EA | 20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 6,483.24 | 122.78 |
| | | *For DR 25, Deduct* | *-374.26* | |
| 33 14 13 23-0389 | EA | 20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 6,571.76 | 124.41 |
| | | *For DR 25, Deduct* | *-379.38* | |
| 33 14 13 23-0390 | EA | 20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 6,675.58 | 134.14 |
| | | *For DR 25, Deduct* | *-384.44* | |
| 33 14 13 23-0391 | EA | 20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 6,794.57 | 151.46 |
| | | *For DR 25, Deduct* | *-389.50* | |
| 33 14 13 23-0392 | EA | 20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 6,948.20 | 160.11 |
| | | *For DR 25, Deduct* | *-397.68* | |
| 33 14 13 23-0393 | EA | 20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 7,113.22 | 173.09 |
| | | *For DR 25, Deduct* | *-406.02* | |
| 33 14 13 23-0394 | EA | 20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 7,247.78 | 194.72 |
| | | *For DR 25, Deduct* | *-411.50* | |
| 33 14 13 23-0395 | EA | 24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 7,318.10 | 159.02 |
| | | *For DR 25, Deduct* | *-420.00* | |
| 33 14 13 23-0396 | EA | 24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 7,454.06 | 160.64 |
| | | *For DR 25, Deduct* | *-427.97* | |
| 33 14 13 23-0397 | EA | 24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 7,549.24 | 162.27 |
| | | *For DR 25, Deduct* | *-433.48* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 23-0398 | EA | 24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 7,940.70 | 172.01 |
| | | *For DR 25, Deduct* | *-455.80* | |
| 33 14 13 23-0399 | EA | 24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 8,347.42 | 189.31 |
| | | *For DR 25, Deduct* | *-478.13* | |
| 33 14 13 23-0400 | EA | 24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 8,736.75 | 197.97 |
| | | *For DR 25, Deduct* | *-500.45* | |
| 33 14 13 23-0401 | EA | 24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 9,136.34 | 210.95 |
| | | *For DR 25, Deduct* | *-522.87* | |
| 33 14 13 23-0402 | EA | 24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 9,550.86 | 232.59 |
| | | *For DR 25, Deduct* | *-545.14* | |
| 33 14 13 23-0403 | EA | 24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 9,966.96 | 254.22 |
| | | *For DR 25, Deduct* | *-567.51* | |

### 33 14 13 23-0404 Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 23-0405 | EA | 4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 127.75 | 13.15 |
| | | *For DR 25, Deduct* | *-6.09* | |
| 33 14 13 23-0406 | EA | 6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 239.00 | 14.79 |
| | | *For DR 25, Deduct* | *-12.57* | |
| 33 14 13 23-0407 | EA | 8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 287.80 | 16.43 |
| | | *For DR 25, Deduct* | *-15.30* | |
| 33 14 13 23-0408 | EA | 10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 408.54 | 25.96 |
| | | *For DR 25, Deduct* | *-21.40* | |
| 33 14 13 23-0409 | EA | 12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 650.87 | 32.45 |
| | | *For DR 25, Deduct* | *-35.16* | |
| 33 14 13 23-0410 | EA | 14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,130.68 | 43.27 |
| | | *For DR 25, Deduct* | *-62.65* | |
| 33 14 13 23-0411 | EA | 16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,339.10 | 54.09 |
| | | *For DR 25, Deduct* | *-73.85* | |
| 33 14 13 23-0412 | EA | 18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,210.64 | 86.54 |
| | | *For DR 25, Deduct* | *-182.25* | |
| 33 14 13 23-0413 | EA | 20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,598.09 | 108.18 |
| | | *For DR 25, Deduct* | *-202.90* | |
| 33 14 13 23-0414 | EA | 24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 5,066.90 | 146.04 |
| | | *For DR 25, Deduct* | *-286.49* | |

### 33 14 13 23-0415 Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 23-0416 | EA | 4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 158.64 | 13.15 |
| | | *For DR 25, Deduct* | *-7.94* | |
| 33 14 13 23-0417 | EA | 6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 215.81 | 14.79 |
| | | *For DR 25, Deduct* | *-11.17* | |
| 33 14 13 23-0418 | EA | 8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 314.20 | 16.43 |
| | | *For DR 25, Deduct* | *-16.88* | |
| 33 14 13 23-0419 | EA | 10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 429.13 | 25.96 |
| | | *For DR 25, Deduct* | *-22.63* | |
| 33 14 13 23-0420 | EA | 12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 687.50 | 43.27 |
| | | *For DR 25, Deduct* | *-36.06* | |
| 33 14 13 23-0421 | EA | 14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 1,831.98 | 51.93 |
| | | *For DR 25, Deduct* | *-103.69* | |
| 33 14 13 23-0422 | EA | 16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 2,480.47 | 64.91 |
| | | *For DR 25, Deduct* | *-141.04* | |
| 33 14 13 23-0423 | EA | 18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,055.57 | 86.54 |
| | | *For DR 25, Deduct* | *-172.95* | |
| 33 14 13 23-0424 | EA | 20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 3,650.03 | 108.18 |
| | | *For DR 25, Deduct* | *-206.02* | |
| 33 14 13 23-0425 | EA | 24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) | 4,958.54 | 146.04 |
| | | *For DR 25, Deduct* | *-279.99* | |

### 33 14 13 23-0426 AWWA C906, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23)*

Note: ASTM D3350 pipe, ASTM D2657 heat fusion.

### 33 14 13 23-0427 High-Density Polyethylene (HDPE) Pressure Pipe *(33 14 13 23-0426)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 23-0428 | LF | 3" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe | 8.59 | 3.23 |
| | | *For SDR 19, Add* | *0.19* | |
| | | *For SDR 17, Add* | *0.46* | |
| | | *For SDR 15.5, Add* | *0.67* | |
| | | *For SDR 13.5, Add* | *1.05* | |
| | | *For SDR 11, Add* | *1.68* | |
| 33 14 13 23-0429 | LF | 4" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe | 9.77 | 4.10 |
| | | *For SDR 26, Deduct* | *-0.29* | |
| | | *For SDR 19, Add* | *0.14* | |
| | | *For SDR 17, Add* | *0.35* | |
| | | *For SDR 15.5, Add* | *0.51* | |
| | | *For SDR 13.5, Add* | *0.79* | |
| | | *For SDR 11, Add* | *1.28* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 23-0430 | LF | 6" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe | 13.33 | 4.98 |
| | | *For SDR 26, Deduct* | *-0.62* | |
| | | *For SDR 19, Add* | *0.30* | |
| | | *For SDR 17, Add* | *0.75* | |
| | | *For SDR 15.5, Add* | *1.10* | |
| | | *For SDR 13.5, Add* | *1.72* | |
| | | *For SDR 11, Add* | *2.76* | |
| 33 14 13 23-0431 | LF | 8" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe | 16.92 | 5.60 |
| | | *For SDR 26, Deduct* | *-1.05* | |
| | | *For SDR 19, Add* | *0.52* | |
| | | *For SDR 17, Add* | *1.27* | |
| | | *For SDR 15.5, Add* | *1.86* | |
| | | *For SDR 13.5, Add* | *2.91* | |
| | | *For SDR 11, Add* | *4.68* | |
| 33 14 13 23-0432 | LF | 10" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe | 21.34 | 6.22 |
| | | *For SDR 26, Deduct* | *-1.63* | |
| | | *For SDR 19, Add* | *0.80* | |
| | | *For SDR 17, Add* | *1.98* | |
| | | *For SDR 15.5, Add* | *2.90* | |
| | | *For SDR 13.5, Add* | *4.53* | |
| | | *For SDR 11, Add* | *7.28* | |
| 33 14 13 23-0433 | LF | 12" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe | 26.66 | 6.97 |
| | | *For SDR 26, Deduct* | *-2.36* | |
| | | *For SDR 19, Add* | *1.16* | |
| | | *For SDR 17, Add* | *2.86* | |
| | | *For SDR 15.5, Add* | *4.18* | |
| | | *For SDR 13.5, Add* | *6.53* | |
| | | *For SDR 11, Add* | *10.50* | |
| 33 14 13 23-0434 | LF | 14" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe | 30.66 | 7.84 |
| | | *For SDR 26, Deduct* | *-2.77* | |
| | | *For SDR 19, Add* | *1.36* | |
| | | *For SDR 17, Add* | *3.36* | |
| | | *For SDR 15.5, Add* | *4.92* | |
| | | *For SDR 13.5, Add* | *7.67* | |
| | | *For SDR 11, Add* | *12.35* | |
| 33 14 13 23-0435 | LF | 16" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe | 37.15 | 8.71 |
| | | *For SDR 26, Deduct* | *-3.62* | |
| | | *For SDR 19, Add* | *1.78* | |
| | | *For SDR 17, Add* | *4.39* | |
| | | *For SDR 15.5, Add* | *6.42* | |
| | | *For SDR 13.5, Add* | *10.03* | |
| | | *For SDR 11, Add* | *16.14* | |
| 33 14 13 23-0436 | LF | 18" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe | 45.89 | 10.45 |
| | | *For SDR 26, Deduct* | *-4.57* | |
| | | *For SDR 19, Add* | *2.24* | |
| | | *For SDR 17, Add* | *5.54* | |
| | | *For SDR 15.5, Add* | *8.12* | |
| | | *For SDR 13.5, Add* | *12.67* | |
| | | *For SDR 11, Add* | *20.39* | |
| 33 14 13 23-0437 | LF | 20" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe | 91.23 | 12.43 |
| | | *For SDR 26, Deduct* | *-12.16* | |
| | | *For SDR 19, Add* | *5.97* | |
| | | *For SDR 17, Add* | *14.74* | |
| | | *For SDR 15.5, Add* | *21.59* | |
| | | *For SDR 13.5, Add* | *33.70* | |
| | | *For SDR 11, Add* | *54.24* | |
| 33 14 13 23-0438 | LF | 24" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe | 74.23 | 14.93 |
| | | *For SDR 26, Deduct* | *-8.13* | |
| | | *For SDR 19, Add* | *3.99* | |
| | | *For SDR 17, Add* | *9.86* | |
| | | *For SDR 15.5, Add* | *14.44* | |
| | | *For SDR 13.5, Add* | *22.54* | |
| | | *For SDR 11, Add* | *36.28* | |

### 33 14 13 23-0439 90 Degree Elbows, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 23-0440 | EA | 3" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 62.41 | 16.43 |
| | | *For SDR 26, Deduct* | *-2.40* | |
| | | *For SDR 19, Add* | *1.18* | |
| | | *For SDR 17, Add* | *2.91* | |
| | | *For SDR 15.5, Add* | *4.27* | |
| | | *For SDR 13.5, Add* | *6.66* | |
| | | *For SDR 11, Add* | *10.72* | |
| 33 14 13 23-0441 | EA | 4" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 70.40 | 18.27 |
| | | *For SDR 26, Deduct* | *-2.86* | |
| | | *For SDR 19, Add* | *1.41* | |
| | | *For SDR 17, Add* | *3.47* | |
| | | *For SDR 15.5, Add* | *5.08* | |
| | | *For SDR 13.5, Add* | *7.93* | |
| | | *For SDR 11, Add* | *12.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 23-0442 | EA | 6" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 104.11 | 20.88 |
| | | *For SDR 26, Deduct* | *-7.61* | |
| | | *For SDR 19, Add* | *3.74* | |
| | | *For SDR 17, Add* | *9.23* | |
| | | *For SDR 15.5, Add* | *13.52* | |
| | | *For SDR 13.5, Add* | *21.10* | |
| | | *For SDR 11, Add* | *33.96* | |
| 33 14 13 23-0443 | EA | 8" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 159.90 | 24.37 |
| | | *For SDR 26, Deduct* | *-15.92* | |
| | | *For SDR 19, Add* | *7.81* | |
| | | *For SDR 17, Add* | *19.29* | |
| | | *For SDR 15.5, Add* | *28.25* | |
| | | *For SDR 13.5, Add* | *44.10* | |
| | | *For SDR 11, Add* | *70.98* | |
| 33 14 13 23-0444 | EA | 10" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 242.32 | 32.54 |
| | | *For SDR 26, Deduct* | *-26.57* | |
| | | *For SDR 19, Add* | *13.04* | |
| | | *For SDR 17, Add* | *32.20* | |
| | | *For SDR 15.5, Add* | *47.16* | |
| | | *For SDR 13.5, Add* | *73.61* | |
| | | *For SDR 11, Add* | *118.48* | |
| 33 14 13 23-0445 | EA | 12" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 358.26 | 48.70 |
| | | *For SDR 26, Deduct* | *-38.90* | |
| | | *For SDR 19, Add* | *19.10* | |
| | | *For SDR 17, Add* | *47.16* | |
| | | *For SDR 15.5, Add* | *69.06* | |
| | | *For SDR 13.5, Add* | *107.79* | |
| | | *For SDR 11, Add* | *173.50* | |
| 33 14 13 23-0446 | EA | 14" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 447.87 | 64.99 |
| | | *For SDR 26, Deduct* | *-46.37* | |
| | | *For SDR 19, Add* | *22.77* | |
| | | *For SDR 17, Add* | *56.22* | |
| | | *For SDR 15.5, Add* | *82.33* | |
| | | *For SDR 13.5, Add* | *128.50* | |
| | | *For SDR 11, Add* | *206.83* | |
| 33 14 13 23-0447 | EA | 16" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 595.04 | 97.39 |
| | | *For SDR 26, Deduct* | *-55.53* | |
| | | *For SDR 19, Add* | *27.27* | |
| | | *For SDR 17, Add* | *67.32* | |
| | | *For SDR 15.5, Add* | *98.59* | |
| | | *For SDR 13.5, Add* | *153.88* | |
| | | *For SDR 11, Add* | *247.68* | |
| 33 14 13 23-0448 | EA | 18" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 740.99 | 109.56 |
| | | *For SDR 26, Deduct* | *-75.57* | |
| | | *For SDR 19, Add* | *37.11* | |
| | | *For SDR 17, Add* | *91.61* | |
| | | *For SDR 15.5, Add* | *134.16* | |
| | | *For SDR 13.5, Add* | *209.41* | |
| | | *For SDR 11, Add* | *337.06* | |
| 33 14 13 23-0449 | EA | 20" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 996.86 | 124.34 |
| | | *For SDR 26, Deduct* | *-113.65* | |
| | | *For SDR 19, Add* | *55.80* | |
| | | *For SDR 17, Add* | *137.76* | |
| | | *For SDR 15.5, Add* | *201.75* | |
| | | *For SDR 13.5, Add* | *314.90* | |
| | | *For SDR 11, Add* | *506.85* | |
| 33 14 13 23-0450 | EA | 24" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 1,265.94 | 146.15 |
| | | *For SDR 26, Deduct* | *-151.72* | |
| | | *For SDR 19, Add* | *74.49* | |
| | | *For SDR 17, Add* | *183.92* | |
| | | *For SDR 15.5, Add* | *269.34* | |
| | | *For SDR 13.5, Add* | *420.39* | |
| | | *For SDR 11, Add* | *676.65* | |

### 33 14 13 23-0451 Tees, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 23-0452 | EA | 3" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 68.63 | 17.20 |
| | | *For SDR 26, Deduct* | *-3.14* | |
| | | *For SDR 19, Add* | *1.54* | |
| | | *For SDR 17, Add* | *3.81* | |
| | | *For SDR 15.5, Add* | *5.58* | |
| | | *For SDR 13.5, Add* | *8.71* | |
| | | *For SDR 11, Add* | *14.01* | |
| 33 14 13 23-0453 | EA | 4" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 78.58 | 19.48 |
| | | *For SDR 26, Deduct* | *-3.70* | |
| | | *For SDR 19, Add* | *1.82* | |
| | | *For SDR 17, Add* | *4.48* | |
| | | *For SDR 15.5, Add* | *6.57* | |
| | | *For SDR 13.5, Add* | *10.25* | |
| | | *For SDR 11, Add* | *16.50* | |
| 33 14 13 23-0454 | EA | 6" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 120.13 | 22.49 |
| | | *For SDR 26, Deduct* | *-9.67* | |
| | | *For SDR 19, Add* | *4.75* | |
| | | *For SDR 17, Add* | *11.72* | |
| | | *For SDR 15.5, Add* | *17.16* | |
| | | *For SDR 13.5, Add* | *26.79* | |
| | | *For SDR 11, Add* | *43.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 23-0455 | EA | 8" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 213.46 | 26.57 |
| | | *For SDR 26, Deduct* | *-24.53* | |
| | | *For SDR 19, Add* | *12.04* | |
| | | *For SDR 17, Add* | *29.73* | |
| | | *For SDR 15.5, Add* | *43.54* | |
| | | *For SDR 13.5, Add* | *67.96* | |
| | | *For SDR 11, Add* | *109.39* | |
| 33 14 13 23-0456 | EA | 10" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 293.17 | 39.00 |
| | | *For SDR 26, Deduct* | *-32.31* | |
| | | *For SDR 19, Add* | *15.87* | |
| | | *For SDR 17, Add* | *39.17* | |
| | | *For SDR 15.5, Add* | *57.36* | |
| | | *For SDR 13.5, Add* | *89.54* | |
| | | *For SDR 11, Add* | *144.12* | |
| 33 14 13 23-0457 | EA | 12" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 416.04 | 58.51 |
| | | *For SDR 26, Deduct* | *-44.12* | |
| | | *For SDR 19, Add* | *21.66* | |
| | | *For SDR 17, Add* | *53.49* | |
| | | *For SDR 15.5, Add* | *78.33* | |
| | | *For SDR 13.5, Add* | *122.26* | |
| | | *For SDR 11, Add* | *196.78* | |
| 33 14 13 23-0458 | EA | 14" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 502.30 | 73.08 |
| | | *For SDR 26, Deduct* | *-51.91* | |
| | | *For SDR 19, Add* | *25.49* | |
| | | *For SDR 17, Add* | *62.92* | |
| | | *For SDR 15.5, Add* | *92.15* | |
| | | *For SDR 13.5, Add* | *143.83* | |
| | | *For SDR 11, Add* | *231.51* | |
| 33 14 13 23-0459 | EA | 16" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 665.12 | 109.56 |
| | | *For SDR 26, Deduct* | *-61.64* | |
| | | *For SDR 19, Add* | *30.27* | |
| | | *For SDR 17, Add* | *74.72* | |
| | | *For SDR 15.5, Add* | *109.43* | |
| | | *For SDR 13.5, Add* | *170.80* | |
| | | *For SDR 11, Add* | *274.92* | |
| 33 14 13 23-0460 | EA | 18" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 850.11 | 127.63 |
| | | *For SDR 26, Deduct* | *-85.65* | |
| | | *For SDR 19, Add* | *42.05* | |
| | | *For SDR 17, Add* | *103.83* | |
| | | *For SDR 15.5, Add* | *152.05* | |
| | | *For SDR 13.5, Add* | *237.33* | |
| | | *For SDR 11, Add* | *381.99* | |
| 33 14 13 23-0461 | EA | 20" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 1,177.70 | 150.75 |
| | | *For SDR 26, Deduct* | *-132.04* | |
| | | *For SDR 19, Add* | *64.83* | |
| | | *For SDR 17, Add* | *160.07* | |
| | | *For SDR 15.5, Add* | *234.41* | |
| | | *For SDR 13.5, Add* | *365.88* | |
| | | *For SDR 11, Add* | *588.90* | |
| 33 14 13 23-0462 | EA | 24" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping | 1,521.27 | 182.74 |
| | | *For SDR 26, Deduct* | *-178.44* | |
| | | *For SDR 19, Add* | *87.61* | |
| | | *For SDR 17, Add* | *216.31* | |
| | | *For SDR 15.5, Add* | *316.77* | |
| | | *For SDR 13.5, Add* | *494.43* | |
| | | *For SDR 11, Add* | *795.82* | |
| 33 14 13 23-0463 | | AWWA C909 Oriented Polyvinyl Chloride (PVCO) Pipe *(33 14 13 23)* | | |
| | | Note: Includes hub on one end of pipe. | | |
| 33 14 13 23-0464 | | AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe *(33 14 13 23-0463)* | | |
| 33 14 13 23-0465 | LF | 6" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe | 19.06 | 4.98 |
| 33 14 13 23-0466 | LF | 8" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe | 26.79 | 5.60 |
| 33 14 13 23-0467 | LF | 10" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe | 36.16 | 6.22 |
| 33 14 13 23-0468 | LF | 12" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe | 47.40 | 6.97 |
| 33 14 13 23-0469 | | Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings *(33 14 13 23)* | | |
| 33 14 13 23-0470 | | Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe *(33 14 13 23-0469)* | | |
| 33 14 13 23-0471 | LF | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 58.56 | 3.37 |
| 33 14 13 23-0472 | LF | 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 83.48 | 3.62 |
| 33 14 13 23-0473 | LF | 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 112.82 | 4.21 |
| 33 14 13 23-0474 | LF | 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 153.70 | 5.39 |
| 33 14 13 23-0475 | LF | 16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe | 175.85 | 6.57 |
| 33 14 13 23-0476 | | Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(33 14 13 23-0469)* | | |
| 33 14 13 23-0477 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 741.69 | 48.94 |
| 33 14 13 23-0478 | EA | 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 1,561.97 | 82.05 |
| 33 14 13 23-0479 | EA | 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 2,721.81 | 89.56 |
| 33 14 13 23-0480 | EA | 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 6,456.36 | 96.90 |
| 33 14 13 23-0481 | EA | 16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow | 8,743.92 | 104.24 |


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LACWD
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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 14 13 23-0482** | | **Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows** *(33 14 13 23-0469)* | | |
| 33 14 13 23-0483 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 1,042.01 | 48.94 |
| 33 14 13 23-0484 | EA | 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 1,259.00 | 82.05 |
| 33 14 13 23-0485 | EA | 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 1,703.62 | 89.56 |
| 33 14 13 23-0486 | EA | 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 3,337.66 | 96.90 |
| 33 14 13 23-0487 | EA | 16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow | 4,778.60 | 104.24 |
| **33 14 13 23-0488** | | **Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees** *(33 14 13 23-0469)* | | |
| 33 14 13 23-0489 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 1,439.78 | 78.30 |
| 33 14 13 23-0490 | EA | 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 2,122.64 | 117.02 |
| 33 14 13 23-0491 | EA | 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 2,809.67 | 124.80 |
| 33 14 13 23-0492 | EA | 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 6,855.58 | 132.14 |
| 33 14 13 23-0493 | EA | 16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee | 9,670.42 | 139.47 |
| **33 14 13 23-0494** | | **Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees** *(33 14 13 23-0469)* | | |
| 33 14 13 23-0495 | EA | 8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 1,415.29 | 74.38 |
| 33 14 13 23-0496 | EA | 10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 1,540.30 | 105.60 |
| 33 14 13 23-0497 | EA | 10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 1,758.28 | 111.17 |
| 33 14 13 23-0498 | EA | 12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 1,996.27 | 106.99 |
| 33 14 13 23-0499 | EA | 12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 2,216.94 | 112.63 |
| 33 14 13 23-0500 | EA | 12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 2,530.03 | 118.55 |
| 33 14 13 23-0501 | EA | 14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 4,930.20 | 107.63 |
| 33 14 13 23-0502 | EA | 14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 5,311.97 | 113.30 |
| 33 14 13 23-0503 | EA | 14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 5,798.59 | 119.25 |
| 33 14 13 23-0504 | EA | 14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 6,360.87 | 125.53 |
| 33 14 13 23-0505 | EA | 16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 5,990.25 | 107.92 |
| 33 14 13 23-0506 | EA | 16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 6,678.63 | 113.60 |
| 33 14 13 23-0507 | EA | 16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 7,220.64 | 119.58 |
| 33 14 13 23-0508 | EA | 16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 8,056.52 | 125.87 |
| 33 14 13 23-0509 | EA | 16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee | 8,932.51 | 132.50 |
| **33 14 13 23-0510** | | **Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes** *(33 14 13 23-0469)* | | |
| 33 14 13 23-0511 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye | 1,454.17 | 78.30 |
| 33 14 13 23-0512 | EA | 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye | 2,454.35 | 117.02 |
| 33 14 13 23-0513 | EA | 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye | 3,323.10 | 124.80 |
| 33 14 13 23-0514 | EA | 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye | 10,799.16 | 132.14 |
| 33 14 13 23-0515 | EA | 16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye | 13,479.96 | 139.47 |
| **33 14 13 23-0516** | | **Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes** *(33 14 13 23-0469)* | | |
| 33 14 13 23-0517 | EA | 8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 1,265.68 | 74.38 |
| 33 14 13 23-0518 | EA | 10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 1,762.04 | 105.60 |
| 33 14 13 23-0519 | EA | 10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 2,041.95 | 111.17 |
| 33 14 13 23-0520 | EA | 12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 2,353.38 | 106.99 |
| 33 14 13 23-0521 | EA | 12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 2,483.24 | 112.63 |
| 33 14 13 23-0522 | EA | 12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 3,007.06 | 118.55 |
| 33 14 13 23-0523 | EA | 14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 5,198.67 | 107.63 |
| 33 14 13 23-0524 | EA | 14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 5,615.78 | 113.30 |
| 33 14 13 23-0525 | EA | 14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 6,810.09 | 125.53 |
| 33 14 13 23-0526 | EA | 16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 6,216.18 | 107.92 |
| 33 14 13 23-0527 | EA | 16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 7,188.66 | 113.60 |
| 33 14 13 23-0528 | EA | 16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 8,058.80 | 119.58 |
| 33 14 13 23-0529 | EA | 16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 8,730.60 | 125.87 |
| 33 14 13 23-0530 | EA | 16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye | 10,918.22 | 132.50 |
| **33 14 13 23-0531** | | **Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(33 14 13 23-0469)* | | |
| 33 14 13 23-0532 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling | 672.93 | 48.94 |
| 33 14 13 23-0533 | EA | 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling | 911.14 | 82.05 |
| 33 14 13 23-0534 | EA | 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling | 1,264.30 | 89.56 |
| 33 14 13 23-0535 | EA | 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling | 2,519.23 | 96.90 |
| 33 14 13 23-0536 | EA | 16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling | 3,757.08 | 104.24 |
| **33 14 13 23-0537** | | **Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings** *(33 14 13 23-0469)* | | |
| 33 14 13 23-0538 | EA | 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 917.46 | 46.49 |
| 33 14 13 23-0539 | EA | 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 673.54 | 44.16 |
| 33 14 13 23-0540 | EA | 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 932.75 | 77.95 |
| 33 14 13 23-0541 | EA | 12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 1,812.96 | 74.05 |
| 33 14 13 23-0542 | EA | 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 1,689.82 | 70.35 |
| 33 14 13 23-0543 | EA | 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 1,325.63 | 66.83 |
| 33 14 13 23-0544 | EA | 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 830.48 | 85.07 |
| 33 14 13 23-0545 | EA | 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 2,433.96 | 80.82 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 23-0546 | EA | 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 2,050.10 | 76.78 |
| 33 14 13 23-0547 | EA | 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 1,772.74 | 72.93 |
| 33 14 13 23-0548 | EA | 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 1,621.39 | 92.04 |
| 33 14 13 23-0549 | EA | 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 3,214.94 | 87.44 |
| 33 14 13 23-0550 | EA | 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 3,632.49 | 83.07 |
| 33 14 13 23-0551 | EA | 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 3,477.78 | 78.92 |
| 33 14 13 23-0552 | EA | 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 3,296.53 | 74.97 |
| 33 14 13 23-0553 | EA | 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling | 3,009.86 | 99.03 |
| 33 14 13 23-0554 | | Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings *(33 14 13 23-0469)* | | |
| 33 14 13 23-0555 | EA | 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 807.90 | 83.07 |
| 33 14 13 23-0556 | EA | 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 1,429.04 | 78.92 |
| 33 14 13 23-0557 | EA | 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 1,082.23 | 78.92 |
| 33 14 13 23-0558 | EA | 12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 2,775.26 | 74.97 |
| 33 14 13 23-0559 | EA | 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 1,869.05 | 71.22 |
| 33 14 13 23-0560 | EA | 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 1,781.91 | 67.66 |
| 33 14 13 23-0561 | EA | 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 1,630.70 | 74.97 |
| 33 14 13 23-0562 | EA | 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 2,977.48 | 71.22 |
| 33 14 13 23-0563 | EA | 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 2,913.93 | 67.66 |
| 33 14 13 23-0564 | EA | 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 2,117.25 | 64.28 |
| 33 14 13 23-0565 | EA | 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 1,964.32 | 71.22 |
| 33 14 13 23-0566 | EA | 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 5,282.44 | 67.66 |
| 33 14 13 23-0567 | EA | 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 5,104.56 | 64.28 |
| 33 14 13 23-0568 | EA | 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 5,005.78 | 61.07 |
| 33 14 13 23-0569 | EA | 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 4,807.37 | 58.01 |
| 33 14 13 23-0570 | EA | 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling | 4,524.63 | 94.07 |
| 33 14 13 23-0571 | | Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges *(33 14 13 23-0469)* | | |
| 33 14 13 23-0572 | EA | 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange | 894.73 | 48.94 |
| 33 14 13 23-0573 | EA | 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange | 2,064.54 | 82.05 |
| 33 14 13 23-0574 | EA | 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange | 3,013.99 | 89.56 |
| 33 14 13 23-0575 | EA | 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange | 3,386.21 | 96.90 |
| 33 14 13 23-0576 | EA | 16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange | 4,190.59 | 104.24 |
| 33 14 13 23-0577 | EA | 8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket | 28.15 | |
| 33 14 13 23-0578 | EA | 10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket | 36.68 | |
| 33 14 13 23-0579 | EA | 12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket | 50.48 | |
| 33 14 13 23-0580 | EA | 14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket | 107.98 | |
| 33 14 13 23-0581 | EA | 16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket | 191.57 | |
| 33 14 13 23-0582 | EA | Zinc Coated Flange Hardware Kit | 179.88 | |
| **33 14 13 26** | | **Galvanized Steel Public Water Utility Distribution Piping** *(33 14 13)* | | |
| | | See CSI section 22 11 16 00-0013 for galvanized steel pipe. | | |
| **33 14 13 36** | | **Steel Public Water Utility Distribution Piping** *(33 14 13)* | | |
| 33 14 13 36-0001 | | Steel Piping *(33 14 13 36)* | | |
| 33 14 13 36-0002 | | Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0001)* Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0064 for pipe linings. | | |
| 33 14 13 36-0003 | | Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)* | | |
| 33 14 13 36-0004 | LF | 4" Diameter, 15/64" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 74.31 | 22.00 |
| | | *For <100, Add* | *8.79* | |
| | | *For >1,000, Deduct* | *-3.72* | |
| 33 14 13 36-0005 | LF | 6" Diameter, 9/32" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 109.82 | 29.25 |
| | | *For <100, Add* | *11.29* | |
| | | *For >1,000, Deduct* | *-5.49* | |
| 33 14 13 36-0006 | LF | 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 107.93 | 29.25 |
| | | *For <100, Add* | *12.05* | |
| | | *For >1,000, Deduct* | *-5.40* | |
| 33 14 13 36-0007 | LF | 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 128.18 | 29.25 |
| | | *For <100, Add* | *13.06* | |
| | | *For >1,000, Deduct* | *-6.41* | |
| 33 14 13 36-0008 | LF | 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 127.99 | 31.92 |
| | | *For <100, Add* | *13.65* | |
| | | *For >1,000, Deduct* | *-6.40* | |
| 33 14 13 36-0009 | LF | 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 153.59 | 31.92 |
| | | *For <100, Add* | *14.93* | |
| | | *For >1,000, Deduct* | *-7.68* | |
| 33 14 13 36-0010 | LF | 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 154.18 | 33.45 |
| | | *For <100, Add* | *15.31* | |
| | | *For >1,000, Deduct* | *-7.71* | |
| 33 14 13 36-0011 | LF | 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 174.09 | 33.45 |
| | | *For <100, Add* | *16.30* | |
| | | *For >1,000, Deduct* | *-8.70* | |
| 33 14 13 36-0012 | LF | 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 186.27 | 36.96 |
| | | *For <100, Add* | *17.71* | |
| | | *For >1,000, Deduct* | *-9.31* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 36-0013 | LF | 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 202.18 | 36.96 |
| | | *For <100, Add* | *18.51* | |
| | | *For >1,000, Deduct* | *-10.11* | |
| 33 14 13 36-0014 | LF | 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 197.67 | 39.02 |
| | | *For <100, Add* | *18.75* | |
| | | *For >1,000, Deduct* | *-9.88* | |
| 33 14 13 36-0015 | LF | 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 209.95 | 39.02 |
| | | *For <100, Add* | *19.36* | |
| | | *For >1,000, Deduct* | *-10.50* | |
| 33 14 13 36-0016 | LF | 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 244.31 | 43.89 |
| | | *For <100, Add* | *22.19* | |
| | | *For >1,000, Deduct* | *-12.22* | |
| 33 14 13 36-0017 | LF | 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 264.44 | 43.89 |
| | | *For <100, Add* | *23.20* | |
| | | *For >1,000, Deduct* | *-13.22* | |
| **33 14 13 36-0018** | | **5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping** *(33 14 13 36-0002)* | | |
| 33 14 13 36-0019 | LF | 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 209.24 | 55.10 |
| | | *For <100, Add* | *19.12* | |
| | | *For >1,000, Deduct* | *-10.46* | |
| 33 14 13 36-0020 | LF | 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 248.08 | 60.61 |
| | | *For <100, Add* | *21.97* | |
| | | *For >1,000, Deduct* | *-12.40* | |
| 33 14 13 36-0021 | LF | 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 275.40 | 63.36 |
| | | *For <100, Add* | *23.87* | |
| | | *For >1,000, Deduct* | *-13.77* | |
| 33 14 13 36-0022 | LF | 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 310.67 | 71.62 |
| | | *For <100, Add* | *26.90* | |
| | | *For >1,000, Deduct* | *-15.53* | |
| 33 14 13 36-0023 | LF | 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 324.32 | 71.62 |
| | | *For <100, Add* | *27.58* | |
| | | *For >1,000, Deduct* | *-16.22* | |
| 33 14 13 36-0024 | LF | 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 336.95 | 71.62 |
| | | *For <100, Add* | *28.21* | |
| | | *For >1,000, Deduct* | *-16.85* | |
| 33 14 13 36-0025 | LF | 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 351.51 | 71.62 |
| | | *For <100, Add* | *28.94* | |
| | | *For >1,000, Deduct* | *-17.58* | |
| 33 14 13 36-0026 | LF | 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 407.38 | 82.64 |
| | | *For <100, Add* | *33.36* | |
| | | *For >1,000, Deduct* | *-20.37* | |
| 33 14 13 36-0027 | LF | 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 452.43 | 82.64 |
| | | *For <100, Add* | *35.61* | |
| | | *For >1,000, Deduct* | *-22.62* | |
| 33 14 13 36-0028 | LF | 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 563.00 | 82.64 |
| | | *For <100, Add* | *41.14* | |
| | | *For >1,000, Deduct* | *-28.15* | |
| 33 14 13 36-0029 | LF | 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 505.99 | 96.41 |
| | | *For <100, Add* | *40.45* | |
| | | *For >1,000, Deduct* | *-25.30* | |
| 33 14 13 36-0030 | LF | 30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 524.42 | 96.41 |
| | | *For <100, Add* | *41.37* | |
| | | *For >1,000, Deduct* | *-26.22* | |
| 33 14 13 36-0031 | LF | 30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 698.24 | 96.41 |
| | | *For <100, Add* | *50.06* | |
| | | *For >1,000, Deduct* | *-34.91* | |
| 33 14 13 36-0032 | LF | 36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 601.55 | 96.41 |
| | | *For <100, Add* | *45.23* | |
| | | *For >1,000, Deduct* | *-30.08* | |
| 33 14 13 36-0033 | LF | 36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 705.46 | 115.70 |
| | | *For <100, Add* | *53.45* | |
| | | *For >1,000, Deduct* | *-35.27* | |
| 33 14 13 36-0034 | LF | 36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 840.27 | 115.70 |
| | | *For <100, Add* | *60.19* | |
| | | *For >1,000, Deduct* | *-42.01* | |
| 33 14 13 36-0035 | LF | 36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 806.60 | 115.70 |
| | | *For <100, Add* | *58.51* | |
| | | *For >1,000, Deduct* | *-40.33* | |
| 33 14 13 36-0036 | LF | 42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 1,232.44 | 129.47 |
| | | *For <100, Add* | *81.82* | |
| | | *For >1,000, Deduct* | *-61.62* | |
| 33 14 13 36-0037 | LF | 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 751.70 | 129.47 |
| | | *For <100, Add* | *57.79* | |
| | | *For >1,000, Deduct* | *-37.59* | |
| 33 14 13 36-0038 | LF | 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 1,413.09 | 146.00 |
| | | *For <100, Add* | *93.38* | |
| | | *For >1,000, Deduct* | *-70.65* | |
| 33 14 13 36-0039 | LF | 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 824.96 | 146.00 |
| | | *For <100, Add* | *63.97* | |
| | | *For >1,000, Deduct* | *-41.25* | |
| 33 14 13 36-0040 | LF | 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 1,481.38 | 165.29 |
| | | *For <100, Add* | *100.04* | |
| | | *For >1,000, Deduct* | *-74.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 36-0041 | LF | 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 1,634.95 | 165.29 |
| | | *For <100, Add* | *107.72* | |
| | | *For >1,000, Deduct* | *-81.75* | |
| 33 14 13 36-0042 | LF | 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 1,828.77 | 192.83 |
| | | *For <100, Add* | *121.74* | |
| | | *For >1,000, Deduct* | *-91.44* | |
| 33 14 13 36-0043 | LF | 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 1,282.73 | 192.83 |
| | | *For <100, Add* | *94.44* | |
| | | *For >1,000, Deduct* | *-64.14* | |
| 33 14 13 36-0044 | LF | 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 1,426.22 | 157.97 |
| | | *For <100, Add* | *118.70* | |
| | | *For >1,000, Deduct* | *-71.31* | |
| 33 14 13 36-0045 | LF | 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe | 2,659.36 | 157.97 |
| | | *For <100, Add* | *180.36* | |
| | | *For >1,000, Deduct* | *-132.97* | |

## 33 14 13 36-0046 5/8" To 3/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0047 | LF | 42" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 1,545.28 | 129.47 |
| | | *For <100, Add* | *97.46* | |
| | | *For >1,000, Deduct* | *-77.26* | |
| 33 14 13 36-0048 | LF | 48" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 1,766.88 | 146.00 |
| | | *For <100, Add* | *111.07* | |
| | | *For >1,000, Deduct* | *-88.34* | |
| 33 14 13 36-0049 | LF | 54" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 1,993.29 | 165.29 |
| | | *For <100, Add* | *125.64* | |
| | | *For >1,000, Deduct* | *-99.66* | |
| 33 14 13 36-0050 | LF | 60" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 2,226.93 | 192.83 |
| | | *For <100, Add* | *141.65* | |
| | | *For >1,000, Deduct* | *-111.35* | |
| 33 14 13 36-0051 | LF | 60" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 2,636.46 | 192.83 |
| | | *For <100, Add* | *162.13* | |
| | | *For >1,000, Deduct* | *-131.82* | |
| 33 14 13 36-0052 | LF | 66" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 2,431.69 | 192.83 |
| | | *For <100, Add* | *151.89* | |
| | | *For >1,000, Deduct* | *-121.58* | |
| 33 14 13 36-0053 | LF | 66" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 2,875.35 | 192.83 |
| | | *For <100, Add* | *174.07* | |
| | | *For >1,000, Deduct* | *-143.77* | |
| 33 14 13 36-0054 | LF | 72" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 2,761.74 | 157.97 |
| | | *For <100, Add* | *185.48* | |
| | | *For >1,000, Deduct* | *-138.09* | |
| 33 14 13 36-0055 | LF | 72" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 3,228.15 | 157.97 |
| | | *For <100, Add* | *208.80* | |
| | | *For >1,000, Deduct* | *-161.41* | |
| 33 14 13 36-0056 | LF | 78" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 3,250.91 | 157.97 |
| | | *For <100, Add* | *209.94* | |
| | | *For >1,000, Deduct* | *-162.55* | |
| 33 14 13 36-0057 | LF | 78" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 3,842.45 | 157.97 |
| | | *For <100, Add* | *239.51* | |
| | | *For >1,000, Deduct* | *-192.12* | |
| 33 14 13 36-0058 | LF | 84" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 3,501.18 | 157.97 |
| | | *For <100, Add* | *222.45* | |
| | | *For >1,000, Deduct* | *-175.06* | |
| 33 14 13 36-0059 | LF | 84" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 4,126.85 | 157.97 |
| | | *For <100, Add* | *253.73* | |
| | | *For >1,000, Deduct* | *-206.34* | |
| 33 14 13 36-0060 | LF | 90" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 3,614.93 | 157.97 |
| | | *For <100, Add* | *228.14* | |
| | | *For >1,000, Deduct* | *-180.75* | |
| 33 14 13 36-0061 | LF | 90" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 4,412.66 | 170.04 |
| | | *For <100, Add* | *271.65* | |
| | | *For >1,000, Deduct* | *-220.63* | |
| 33 14 13 36-0062 | LF | 96" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 3,614.93 | 157.97 |
| | | *For <100, Add* | *228.14* | |
| | | *For >1,000, Deduct* | *-180.75* | |
| 33 14 13 36-0063 | LF | 96" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 4,679.77 | 170.04 |
| | | *For <100, Add* | *285.00* | |
| | | *For >1,000, Deduct* | *-233.99* | |
| 33 14 13 36-0064 | LF | 102" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 4,953.13 | 170.04 |
| | | *For <100, Add* | *298.67* | |
| | | *For >1,000, Deduct* | *-247.66* | |
| 33 14 13 36-0065 | LF | 108" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 5,226.49 | 170.04 |
| | | *For <100, Add* | *312.34* | |
| | | *For >1,000, Deduct* | *-261.32* | |
| 33 14 13 36-0066 | LF | 114" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 5,499.86 | 170.04 |
| | | *For <100, Add* | *326.01* | |
| | | *For >1,000, Deduct* | *-274.99* | |
| 33 14 13 36-0067 | LF | 120" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 6,064.98 | 172.33 |
| | | *For <100, Add* | *398.03* | |
| | | *For >1,000, Deduct* | *-303.25* | |
| 33 14 13 36-0068 | LF | 126" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 6,338.34 | 172.33 |
| | | *For <100, Add* | *411.70* | |
| | | *For >1,000, Deduct* | *-316.92* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 36-0069 | | 7/8" To 1-1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)* | | |
| 33 14 13 36-0070 | LF | 72" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 2,747.57 | 157.97 |
| | | *For <100, Add* | *184.77* | |
| | | *For >1,000, Deduct* | *-137.38* | |
| 33 14 13 36-0071 | LF | 78" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 2,952.67 | 157.97 |
| | | *For <100, Add* | *195.02* | |
| | | *For >1,000, Deduct* | *-147.63* | |
| 33 14 13 36-0072 | LF | 84" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 4,756.43 | 157.97 |
| | | *For <100, Add* | *285.21* | |
| | | *For >1,000, Deduct* | *-237.82* | |
| 33 14 13 36-0073 | LF | 84" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe | 5,427.69 | 170.04 |
| | | *For <100, Add* | *322.40* | |
| | | *For >1,000, Deduct* | *-271.38* | |
| 33 14 13 36-0074 | LF | 90" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 5,101.17 | 170.04 |
| | | *For <100, Add* | *306.07* | |
| | | *For >1,000, Deduct* | *-255.06* | |
| 33 14 13 36-0075 | LF | 90" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe | 5,770.68 | 170.04 |
| | | *For <100, Add* | *339.55* | |
| | | *For >1,000, Deduct* | *-288.53* | |
| 33 14 13 36-0076 | LF | 96" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 5,421.63 | 170.04 |
| | | *For <100, Add* | *322.10* | |
| | | *For >1,000, Deduct* | *-271.08* | |
| 33 14 13 36-0077 | LF | 96" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe | 6,163.96 | 182.05 |
| | | *For <100, Add* | *362.81* | |
| | | *For >1,000, Deduct* | *-308.20* | |
| 33 14 13 36-0078 | LF | 102" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 5,742.21 | 170.04 |
| | | *For <100, Add* | *338.13* | |
| | | *For >1,000, Deduct* | *-287.11* | |
| 33 14 13 36-0079 | LF | 102" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe | 6,530.26 | 182.05 |
| | | *For <100, Add* | *381.13* | |
| | | *For >1,000, Deduct* | *-326.51* | |
| 33 14 13 36-0080 | LF | 102" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 7,608.58 | 340.10 |
| | | *For <100, Add* | *482.46* | |
| | | *For >1,000, Deduct* | *-380.43* | |
| 33 14 13 36-0081 | LF | 108" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 6,062.67 | 170.04 |
| | | *For <100, Add* | *354.15* | |
| | | *For >1,000, Deduct* | *-303.13* | |
| 33 14 13 36-0082 | LF | 108" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe | 6,896.57 | 182.05 |
| | | *For <100, Add* | *399.44* | |
| | | *For >1,000, Deduct* | *-344.83* | |
| 33 14 13 36-0083 | LF | 108" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 8,020.61 | 340.10 |
| | | *For <100, Add* | *503.06* | |
| | | *For >1,000, Deduct* | *-401.03* | |
| 33 14 13 36-0084 | LF | 114" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 6,383.24 | 170.04 |
| | | *For <100, Add* | *370.18* | |
| | | *For >1,000, Deduct* | *-319.16* | |
| 33 14 13 36-0085 | LF | 114" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe | 7,262.88 | 182.05 |
| | | *For <100, Add* | *417.76* | |
| | | *For >1,000, Deduct* | *-363.14* | |
| 33 14 13 36-0086 | LF | 114" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 8,432.77 | 340.10 |
| | | *For <100, Add* | *523.67* | |
| | | *For >1,000, Deduct* | *-421.64* | |
| 33 14 13 36-0087 | LF | 120" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 6,995.47 | 315.93 |
| | | *For <100, Add* | *444.55* | |
| | | *For >1,000, Deduct* | *-349.77* | |
| 33 14 13 36-0088 | LF | 120" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe | 7,896.94 | 315.93 |
| | | *For <100, Add* | *489.63* | |
| | | *For >1,000, Deduct* | *-394.85* | |
| 33 14 13 36-0089 | LF | 120" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 8,844.80 | 340.10 |
| | | *For <100, Add* | *544.27* | |
| | | *For >1,000, Deduct* | *-442.24* | |
| 33 14 13 36-0090 | LF | 126" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 7,316.04 | 315.93 |
| | | *For <100, Add* | *460.58* | |
| | | *For >1,000, Deduct* | *-365.80* | |
| 33 14 13 36-0091 | LF | 126" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe | 8,311.58 | 340.10 |
| | | *For <100, Add* | *517.61* | |
| | | *For >1,000, Deduct* | *-415.58* | |
| 33 14 13 36-0092 | LF | 126" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 9,256.96 | 340.10 |
| | | *For <100, Add* | *564.88* | |
| | | *For >1,000, Deduct* | *-462.85* | |
| 33 14 13 36-0093 | LF | 132" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 7,636.50 | 315.93 |
| | | *For <100, Add* | *476.60* | |
| | | *For >1,000, Deduct* | *-381.83* | |
| 33 14 13 36-0094 | LF | 132" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe | 8,629.55 | 315.93 |
| | | *For <100, Add* | *526.26* | |
| | | *For >1,000, Deduct* | *-431.48* | |
| 33 14 13 36-0095 | LF | 132" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 9,668.99 | 340.10 |
| | | *For <100, Add* | *585.48* | |
| | | *For >1,000, Deduct* | *-483.45* | |
| 33 14 13 36-0096 | LF | 132" Diameter, 1-1/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 11,338.45 | 680.19 |
| | | *For <100, Add* | *770.98* | |
| | | *For >1,000, Deduct* | *-566.92* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 36-0097 | LF | 138" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 7,957.08 | 315.93 |
| | | *For <100, Add* | *492.63* | |
| | | *For >1,000, Deduct* | *-397.85* | |
| 33 14 13 36-0098 | LF | 138" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe | 8,995.86 | 315.93 |
| | | *For <100, Add* | *544.57* | |
| | | *For >1,000, Deduct* | *-449.79* | |
| 33 14 13 36-0099 | LF | 138" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 10,081.15 | 340.10 |
| | | *For <100, Add* | *606.09* | |
| | | *For >1,000, Deduct* | *-504.06* | |
| 33 14 13 36-0100 | LF | 138" Diameter, 1-1/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 11,796.34 | 680.19 |
| | | *For <100, Add* | *793.87* | |
| | | *For >1,000, Deduct* | *-589.82* | |
| 33 14 13 36-0101 | LF | 144" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 8,277.54 | 315.93 |
| | | *For <100, Add* | *508.66* | |
| | | *For >1,000, Deduct* | *-413.88* | |
| 33 14 13 36-0102 | LF | 144" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe | 9,362.17 | 315.93 |
| | | *For <100, Add* | *562.89* | |
| | | *For >1,000, Deduct* | *-468.11* | |
| 33 14 13 36-0103 | LF | 144" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe | 10,493.18 | 340.10 |
| | | *For <100, Add* | *626.69* | |
| | | *For >1,000, Deduct* | *-524.66* | |
| 33 14 13 36-0104 | LF | 144" Diameter, 1-1/4" Wall Thickness Welded Plain End Uncoated Steel Pipe | 12,254.22 | 680.19 |
| | | *For <100, Add* | *816.77* | |
| | | *For >1,000, Deduct* | *-612.71* | |

## 33 14 13 36-0105 Flexible Couplings (Dresser Style 38) *(33 14 13 36-0001)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0106 | EA | 2" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe | 158.04 | 28.02 |
| | | *For 7" Length, Add* | *10.41* | |
| 33 14 13 36-0107 | EA | 3" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe | 216.52 | 53.90 |
| | | *For 7" Length, Add* | *10.87* | |
| 33 14 13 36-0108 | EA | 4" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe | 287.98 | 71.15 |
| | | *For 7" Length, Add* | *14.43* | |
| 33 14 13 36-0109 | EA | 6" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe | 467.04 | 107.79 |
| | | *For 7" Length, Add* | *25.15* | |
| 33 14 13 36-0110 | EA | 8" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe | 618.64 | 135.81 |
| | | *For 7" Length, Add* | *34.92* | |
| 33 14 13 36-0111 | EA | 10" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe | 889.62 | 172.83 |
| | | *For 7" Length, Add* | *54.40* | |
| 33 14 13 36-0112 | EA | 12" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe | 1,046.18 | 216.62 |
| | | *For 7" Length, Add* | *61.41* | |
| 33 14 13 36-0113 | EA | 14" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe | 1,128.27 | 230.44 |
| | | *For 10" Length, Add* | *40.04* | |
| 33 14 13 36-0114 | EA | 16" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe | 1,189.06 | 247.72 |
| | | *For 10" Length, Add* | *41.72* | |
| 33 14 13 36-0115 | EA | 18" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe | 1,307.98 | 265.01 |
| | | *For 10" Length, Add* | *46.68* | |
| 33 14 13 36-0116 | EA | 20" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe | 1,427.56 | 299.58 |
| | | *For 10" Length, Add* | *51.09* | |
| 33 14 13 36-0117 | EA | 24" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe | 1,843.52 | 316.86 |
| | | *For 10" Length, Add* | *72.59* | |
| 33 14 13 36-0118 | EA | 30" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe | 2,241.11 | 345.66 |
| | | *For 10" Length, Add* | *92.99* | |
| 33 14 13 36-0119 | EA | 36" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe | 2,643.00 | 388.87 |
| | | *For 10" Length, Add* | *111.92* | |
| 33 14 13 36-0120 | EA | 42" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe | 3,066.32 | 437.84 |
| | | *For 10" Length, Add* | *132.13* | |
| 33 14 13 36-0121 | EA | 48" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe | 3,565.63 | 504.09 |
| | | *For 10" Length, Add* | *153.45* | |
| 33 14 13 36-0122 | EA | 54" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe | 3,939.38 | 576.10 |
| | | *For 10" Length, Add* | *167.23* | |
| 33 14 13 36-0123 | EA | 60" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe | 4,484.71 | 720.13 |
| | | *For 10" Length, Add* | *182.67* | |
| 33 14 13 36-0124 | EA | 66" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe | 5,137.24 | 875.68 |
| | | *For 12" Length, Add* | *170.45* | |
| 33 14 13 36-0125 | EA | 72" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe | 6,116.90 | 1,036.99 |
| | | *For 12" Length, Add* | *202.15* | |

## 33 14 13 36-0126 Welded, Plain End, Cement Mortar Lined And Coated *(33 14 13 36-0001)*

Note: Pipe manufacture shall be in accordance with AWWA C200, ANSI/ASTM A 139, API 5 L, or API 5 LX

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0127 | LF | 4" Diameter, Schedule 10 (0.12" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 70.38 | 22.00 |
| 33 14 13 36-0128 | LF | 4" Diameter, Schedule 40 (0.237" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 89.80 | 22.00 |
| 33 14 13 36-0129 | LF | 6" Diameter, Schedule 10 (0.134" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 92.60 | 29.25 |
| 33 14 13 36-0130 | LF | 6" Diameter, Schedule 40 (0.28" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 128.92 | 29.25 |
| 33 14 13 36-0131 | LF | 8" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 151.96 | 29.25 |
| 33 14 13 36-0132 | LF | 8" Diameter, Schedule 40 (0.322" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 173.76 | 29.25 |
| 33 14 13 36-0133 | LF | 10" Diameter, Schedule 10 (0.165" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 155.77 | 31.92 |
| 33 14 13 36-0134 | LF | 10" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 181.37 | 31.92 |
| 33 14 13 36-0135 | LF | 10" Diameter, Schedule 40 (0.365" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 187.96 | 31.92 |
| 33 14 13 36-0136 | LF | 12" Diameter, Schedule 10 (0.18" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 186.43 | 33.45 |
| 33 14 13 36-0137 | LF | 12" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 206.34 | 33.45 |
| 33 14 13 36-0138 | LF | 12" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 264.74 | 33.45 |
| 33 14 13 36-0139 | LF | 14" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 239.92 | 36.96 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 36-0140 | LF | 14" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 278.03 | 36.96 |
| 33 14 13 36-0141 | LF | 14" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 314.89 | 36.96 |
| 33 14 13 36-0142 | LF | 16" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 252.83 | 39.02 |
| 33 14 13 36-0143 | LF | 16" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 310.05 | 39.02 |
| 33 14 13 36-0144 | LF | 16" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 351.66 | 39.02 |
| 33 14 13 36-0145 | LF | 18" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 292.68 | 43.89 |
| 33 14 13 36-0146 | LF | 18" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 349.78 | 43.89 |
| 33 14 13 36-0147 | LF | 18" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 363.43 | 43.89 |
| 33 14 13 36-0148 | LF | 20" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 321.83 | 46.18 |
| 33 14 13 36-0149 | LF | 20" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 385.08 | 46.18 |
| 33 14 13 36-0150 | LF | 20" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 385.08 | 46.18 |
| 33 14 13 36-0151 | LF | 24" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 460.26 | 49.45 |
| 33 14 13 36-0152 | LF | 24" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 505.30 | 49.45 |
| 33 14 13 36-0153 | LF | 30" Diameter, Schedule 10 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 573.86 | 58.27 |
| 33 14 13 36-0154 | LF | 30" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated | 592.29 | 58.27 |

## 33 14 13 36-0155 Welded, Bell and Spigot, Cement Mortar Lined And Coated *(33 14 13 36-0001)*

Note: Pipe manufacture shall be in accordance with AWWA C200, ANSI/ASTM A 139, API 5 L, or API 5 LX

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0156 | LF | 4" Diameter, Schedule 10 (0.12" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 70.90 | 22.00 |
| 33 14 13 36-0157 | LF | 4" Diameter, Schedule 40 (0.237" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 90.81 | 22.00 |
| 33 14 13 36-0158 | LF | 6" Diameter, Schedule 10 (0.134" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 93.45 | 29.25 |
| 33 14 13 36-0159 | LF | 6" Diameter, Schedule 40 (0.28" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 130.68 | 29.25 |
| 33 14 13 36-0160 | LF | 8" Diameter, Schedule 10 (0.148" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 133.30 | 29.25 |
| 33 14 13 36-0161 | LF | 8" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 154.05 | 29.25 |
| 33 14 13 36-0162 | LF | 8" Diameter, Schedule 40 (0.322" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 175.43 | 29.25 |
| 33 14 13 36-0163 | LF | 10" Diameter, Schedule 10 (0.165" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 156.07 | 31.92 |
| 33 14 13 36-0164 | LF | 10" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 183.77 | 31.92 |
| 33 14 13 36-0165 | LF | 10" Diameter, Schedule 40 (0.365" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 190.08 | 31.92 |
| 33 14 13 36-0166 | LF | 12" Diameter, Schedule 10 (0.18" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 189.02 | 33.45 |
| 33 14 13 36-0167 | LF | 12" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 209.42 | 33.45 |
| 33 14 13 36-0168 | LF | 12" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 265.04 | 33.45 |
| 33 14 13 36-0169 | LF | 12" Diameter, Schdeule 40 (0.406" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 280.10 | 33.45 |
| 33 14 13 36-0170 | LF | 14" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 227.27 | 36.96 |
| 33 14 13 36-0171 | LF | 14" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 282.64 | 36.96 |
| 33 14 13 36-0172 | LF | 14" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 315.26 | 36.96 |
| 33 14 13 36-0173 | LF | 14" Diameter, Schedule 40 (0.438" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 352.47 | 36.96 |
| 33 14 13 36-0174 | LF | 16" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 256.60 | 39.02 |
| 33 14 13 36-0175 | LF | 16" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 315.25 | 39.02 |
| 33 14 13 36-0176 | LF | 16" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 352.08 | 39.02 |
| 33 14 13 36-0177 | LF | 16" Diameter, Schedule 40 (0.500" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 435.44 | 39.02 |
| 33 14 13 36-0178 | LF | 18" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 297.12 | 43.89 |
| 33 14 13 36-0179 | LF | 18" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 355.66 | 43.89 |
| 33 14 13 36-0180 | LF | 18" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 355.66 | 43.89 |
| 33 14 13 36-0181 | LF | 18" Diameter, Schedule 40 (0.562" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 475.73 | 43.89 |
| 33 14 13 36-0182 | LF | 20" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 326.78 | 46.18 |
| 33 14 13 36-0183 | LF | 20" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 391.61 | 46.18 |
| 33 14 13 36-0184 | LF | 20" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 406.54 | 46.18 |
| 33 14 13 36-0185 | LF | 20" Diameter, Schedule 40 (0.594" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 571.60 | 46.18 |
| 33 14 13 36-0186 | LF | 24" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 468.28 | 49.45 |
| 33 14 13 36-0187 | LF | 24" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 514.45 | 49.45 |
| 33 14 13 36-0188 | LF | 24" Diameter, Schedule 40 (0.687" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 826.45 | 49.45 |
| 33 14 13 36-0189 | LF | 30" Diameter, Schedule 10 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 583.98 | 58.27 |
| 33 14 13 36-0190 | LF | 30" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated | 602.87 | 58.27 |

## 33 14 13 36-0191 Plain End Steel Pipe Fittings, Standard Wall Thickness *(33 14 13 36-0001)*

See CSI section 33 14 13 36-0396 for flanged end fittings.

## 33 14 13 36-0192 90 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0191)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0193 | EA | 4" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 380.87 | 211.82 |
| 33 14 13 36-0194 | EA | 6" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 660.67 | 349.65 |
| 33 14 13 36-0195 | EA | 8" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 985.85 | 491.46 |
| 33 14 13 36-0196 | EA | 10" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 1,286.96 | 561.59 |
| 33 14 13 36-0197 | EA | 12" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 1,746.96 | 734.84 |
| 33 14 13 36-0198 | EA | 14" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 2,175.16 | 868.55 |
| 33 14 13 36-0199 | EA | 16" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 2,708.09 | 1,014.24 |
| 33 14 13 36-0200 | EA | 18" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 3,225.66 | 1,131.03 |
| 33 14 13 36-0201 | EA | 20" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 4,115.84 | 1,268.14 |
| 33 14 13 36-0202 | EA | 24" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 4,882.83 | 1,310.45 |

## 33 14 13 36-0203 45 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0191)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0204 | EA | 4" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 367.97 | 211.82 |
| 33 14 13 36-0205 | EA | 6" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 628.94 | 349.65 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 36-0206 | EA | 8" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 926.97 | 491.46 |
| 33 14 13 36-0207 | EA | 10" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 1,178.87 | 561.59 |
| 33 14 13 36-0208 | EA | 12" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 1,590.23 | 734.84 |
| 33 14 13 36-0209 | EA | 14" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 1,963.02 | 868.55 |
| 33 14 13 36-0210 | EA | 16" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 2,417.72 | 1,014.24 |
| 33 14 13 36-0211 | EA | 18" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 2,851.94 | 1,131.03 |
| 33 14 13 36-0212 | EA | 20" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 3,566.55 | 1,268.14 |
| 33 14 13 36-0213 | EA | 24" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 4,164.97 | 1,310.45 |
| **33 14 13 36-0214** | | **22.5 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0191)* | | |
| 33 14 13 36-0215 | EA | 4" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 363.29 | 211.82 |
| 33 14 13 36-0216 | EA | 6" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 617.98 | 349.65 |
| 33 14 13 36-0217 | EA | 8" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 906.29 | 491.46 |
| 33 14 13 36-0218 | EA | 10" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 1,144.07 | 561.59 |
| 33 14 13 36-0219 | EA | 12" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 1,539.76 | 734.84 |
| 33 14 13 36-0220 | EA | 14" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 1,894.30 | 868.55 |
| 33 14 13 36-0221 | EA | 16" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 2,324.15 | 1,014.24 |
| 33 14 13 36-0222 | EA | 18" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 2,731.48 | 1,131.03 |
| 33 14 13 36-0223 | EA | 20" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 3,392.12 | 1,268.14 |
| 33 14 13 36-0224 | EA | 24" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 3,906.24 | 1,310.45 |
| **33 14 13 36-0225** | | **11.25 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0191)* | | |
| 33 14 13 36-0226 | EA | 4" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 365.38 | 211.82 |
| 33 14 13 36-0227 | EA | 6" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 623.13 | 349.65 |
| 33 14 13 36-0228 | EA | 8" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 915.85 | 491.46 |
| 33 14 13 36-0229 | EA | 10" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 1,161.62 | 561.59 |
| 33 14 13 36-0230 | EA | 12" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 1,565.21 | 734.84 |
| **33 14 13 36-0231** | | **Tees, Standard Wall Thickness, Steel** *(33 14 13 36-0191)* | | |
| 33 14 13 36-0232 | EA | 4"x4"x4" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 588.24 | 317.73 |
| 33 14 13 36-0233 | EA | 6"x6"x6" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 977.39 | 524.35 |
| 33 14 13 36-0234 | EA | 8"x8"x8" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 1,451.65 | 737.14 |
| 33 14 13 36-0235 | EA | 10"x10"x10" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 1,833.62 | 842.44 |
| 33 14 13 36-0236 | EA | 12"x12"x12" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 2,511.54 | 1,102.26 |
| 33 14 13 36-0237 | EA | 14"x14"x14" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 3,311.14 | 1,302.96 |
| 33 14 13 36-0238 | EA | 16"x16"x16" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 3,934.15 | 1,521.42 |
| 33 14 13 36-0239 | EA | 18"x18"x18" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 5,181.48 | 1,696.54 |
| 33 14 13 36-0240 | EA | 20"x20"x20" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 6,857.46 | 1,902.26 |
| 33 14 13 36-0241 | EA | 24"x24"x24" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 7,891.71 | 1,965.62 |
| 33 14 13 36-0242 | EA | 30"x30"x30" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated | 11,098.72 | 2,314.42 |
| **33 14 13 36-0243** | | **Concentric Reducers, Standard Wall Thickness, Steel** *(33 14 13 36-0191)* | | |
| 33 14 13 36-0244 | EA | 6" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated | 579.97 | 349.65 |
| 33 14 13 36-0245 | EA | 8" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated | 829.13 | 491.46 |
| 33 14 13 36-0246 | EA | 8" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated | 814.38 | 491.46 |
| 33 14 13 36-0247 | EA | 10" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated | 980.69 | 561.59 |
| 33 14 13 36-0248 | EA | 12" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated | 1,502.92 | 734.84 |
| 33 14 13 36-0249 | EA | 12" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated | 1,306.67 | 734.84 |
| 33 14 13 36-0250 | EA | 12" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated | 1,299.98 | 734.84 |
| 33 14 13 36-0251 | EA | 12" x 10", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated | 1,281.49 | 734.84 |
| **33 14 13 36-0252** | | **Reducing Tees, Standard Wall Thickness, Steel** *(33 14 13 36-0191)* | | |
| 33 14 13 36-0253 | EA | 6"x6"x4", Reducing Tee, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated | 978.10 | 524.35 |
| 33 14 13 36-0254 | EA | 8"x8"x6", Reducing Tee, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated | 1,453.00 | 737.14 |
| 33 14 13 36-0255 | EA | 10"x10"x 8" Reducing Tees, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated | 1,835.90 | 842.44 |
| 33 14 13 36-0256 | EA | 12"x12"x6" Reducing Tees, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated | 2,515.00 | 1,102.26 |
| **33 14 13 36-0257** | | **Slip-on Flanges, Steel, Class 150** *(33 14 13 36-0191)* | | |
| 33 14 13 36-0258 | EA | 4" Slip-on Flange, Steel, Class 150 | 201.61 | 105.91 |
| 33 14 13 36-0259 | EA | 6" Slip-on Flange, Steel, Class 150 | 328.07 | 174.82 |
| 33 14 13 36-0260 | EA | 8" Slip-on Flange, Steel, Class 150 | 468.72 | 245.68 |
| 33 14 13 36-0261 | EA | 10" Slip-on Flange, Steel, Class 150 | 594.20 | 280.86 |
| 33 14 13 36-0262 | EA | 12" Slip-on Flange, Steel, Class 150 | 824.13 | 367.42 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 36-0263 | EA | 14" Slip-on Flange, Steel, Class 150 | 1,050.48 | 434.28 |
| 33 14 13 36-0264 | EA | 16" Slip-on Flange, Steel, Class 150 | 1,297.97 | 507.18 |
| 33 14 13 36-0265 | EA | 18" Slip-on Flange, Steel, Class 150 | 1,450.56 | 565.46 |
| 33 14 13 36-0266 | EA | 20" Slip-on Flange, Steel, Class 150 | 1,635.83 | 634.13 |
| 33 14 13 36-0267 | EA | 24" Slip-on Flange, Steel, Class 150 | 1,752.19 | 655.16 |
| 33 14 13 36-0268 | EA | 30" Slip-on Flange, Steel, Class 150 | 2,311.46 | 771.47 |
| **33 14 13 36-0269** | | **Slip-on Flanges, Steel, Class 300** *(33 14 13 36-0191)* | | |
| 33 14 13 36-0270 | EA | 4" Slip-on Flange, Steel, Class 300 | 233.75 | 105.91 |
| 33 14 13 36-0271 | EA | 6" Slip-on Flange, Steel, Class 300 | 377.53 | 174.82 |
| 33 14 13 36-0272 | EA | 8" Slip-on Flange, Steel, Class 300 | 543.97 | 245.68 |
| 33 14 13 36-0273 | EA | 10" Slip-on Flange, Steel, Class 300 | 724.11 | 280.86 |
| 33 14 13 36-0274 | EA | 12" Slip-on Flange, Steel, Class 300 | 1,029.11 | 367.42 |
| 33 14 13 36-0275 | EA | 14" Slip-on Flange, Steel, Class 300 | 1,349.96 | 434.28 |
| 33 14 13 36-0276 | EA | 16" Slip-on Flange, Steel, Class 300 | 1,701.18 | 507.18 |
| 33 14 13 36-0277 | EA | 18" Slip-on Flange, Steel, Class 300 | 1,902.66 | 565.46 |
| 33 14 13 36-0278 | EA | 20" Slip-on Flange, Steel, Class 300 | 2,149.71 | 634.13 |
| 33 14 13 36-0279 | EA | 24" Slip-on Flange, Steel, Class 300 | 2,329.59 | 655.16 |
| 33 14 13 36-0280 | EA | 30" Slip-on Flange, Steel, Class 300 | 3,235.29 | 771.47 |
| **33 14 13 36-0281** | | **Blind Flanges, Steel, Class 150** *(33 14 13 36-0191)* | | |
| 33 14 13 36-0282 | EA | 4" Blind Flange, Steel, Class 150 | 209.30 | 105.91 |
| 33 14 13 36-0283 | EA | 6" Blind Flange, Steel, Class 150 | 338.73 | 174.82 |
| 33 14 13 36-0284 | EA | 8" Blind Flange, Steel, Class 150 | 489.90 | 245.68 |
| 33 14 13 36-0285 | EA | 10" Blind Flange, Steel, Class 150 | 658.27 | 280.86 |
| 33 14 13 36-0286 | EA | 12" Blind Flange, Steel, Class 150 | 886.69 | 367.42 |
| 33 14 13 36-0287 | EA | 14" Blind Flange, Steel, Class 150 | 1,342.70 | 434.28 |
| 33 14 13 36-0288 | EA | 16" Blind Flange, Steel, Class 150 | 1,489.25 | 507.18 |
| 33 14 13 36-0289 | EA | 18" Blind Flange, Steel, Class 150 | 1,639.44 | 565.46 |
| 33 14 13 36-0290 | EA | 20" Blind Flange, Steel, Class 150 | 2,034.60 | 634.13 |
| 33 14 13 36-0291 | EA | 24" Blind Flange, Steel, Class 150 | 2,534.19 | 655.16 |
| 33 14 13 36-0292 | EA | 30" Blind Flange, Steel, Class 150 | 3,577.57 | 771.47 |
| **33 14 13 36-0293** | | **Blind Flanges, Steel, Class 300** *(33 14 13 36-0191)* | | |
| 33 14 13 36-0294 | EA | 4" Blind Flange, Steel, Class 300 | 247.22 | 105.91 |
| 33 14 13 36-0295 | EA | 6" Blind Flange, Steel, Class 300 | 396.18 | 174.82 |
| 33 14 13 36-0296 | EA | 8" Blind Flange, Steel, Class 300 | 581.03 | 245.68 |
| 33 14 13 36-0297 | EA | 10" Blind Flange, Steel, Class 300 | 836.24 | 280.86 |
| 33 14 13 36-0298 | EA | 12" Blind Flange, Steel, Class 300 | 1,138.58 | 367.42 |
| 33 14 13 36-0299 | EA | 14" Blind Flange, Steel, Class 300 | 1,861.34 | 434.28 |
| 33 14 13 36-0300 | EA | 16" Blind Flange, Steel, Class 300 | 2,035.93 | 507.18 |
| 33 14 13 36-0301 | EA | 18" Blind Flange, Steel, Class 300 | 2,233.20 | 565.46 |
| 33 14 13 36-0302 | EA | 20" Blind Flange, Steel, Class 300 | 2,847.56 | 634.13 |
| 33 14 13 36-0303 | EA | 24" Blind Flange, Steel, Class 300 | 3,698.08 | 655.16 |
| 33 14 13 36-0304 | EA | 30" Blind Flange, Steel, Class 300 | 5,393.24 | 771.47 |
| **33 14 13 36-0305** | | **Screw Flanges, Steel, Class 150** *(33 14 13 36-0191)* | | |
| 33 14 13 36-0306 | EA | 4" Diameter, Screw Flange, Steel, Class 150 | 203.23 | 105.91 |
| 33 14 13 36-0307 | EA | 6" Diameter, Screw Flange, Steel, Class 150 | 330.56 | 174.82 |
| 33 14 13 36-0308 | EA | 8" Diameter, Screw Flange, Steel, Class 150 | 475.56 | 245.68 |
| 33 14 13 36-0309 | EA | 10" Diameter, Screw Flange, Steel, Class 150 | 577.58 | 280.86 |
| 33 14 13 36-0310 | EA | 12" Diameter, Screw Flange, Steel, Class 150 | 779.17 | 367.42 |
| **33 14 13 36-0311** | | **Screw Flanges, Steel, Class 300** *(33 14 13 36-0191)* | | |
| 33 14 13 36-0312 | EA | 4" Diameter, Screw Flange, Steel, Class 300 | 240.79 | 105.91 |
| 33 14 13 36-0313 | EA | 6" Diameter, Screw Flange, Steel, Class 300 | 388.35 | 174.82 |
| 33 14 13 36-0314 | EA | 8" Diameter, Screw Flange, Steel, Class 300 | 566.06 | 245.68 |
| 33 14 13 36-0315 | EA | 10" Diameter, Screw Flange, Steel, Class 300 | 709.82 | 280.86 |
| 33 14 13 36-0316 | EA | 12" Diameter, Screw Flange, Steel, Class 300 | 971.98 | 367.42 |
| **33 14 13 36-0317** | | **Steel Flange Gaskets** *(33 14 13 36-0191)* | | |
| **33 14 13 36-0318** | | **1/16" Thick Cloth-Inserted Rubber Flange Gasket, Class 150 (Tripac)** *(33 14 13 36-0317)* | | |
| | | Note: Labor installation is included with pipe fittings or valves. | | |
| 33 14 13 36-0319 | EA | 4" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac) | 2.85 | |
| 33 14 13 36-0320 | EA | 6" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac) | 4.48 | |
| 33 14 13 36-0321 | EA | 8" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac) | 5.98 | |
| 33 14 13 36-0322 | EA | 10" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac) | 9.22 | |
| 33 14 13 36-0323 | EA | 12" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac) | 12.05 | |
| 33 14 13 36-0324 | EA | 14" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac) | 13.82 | |
| 33 14 13 36-0325 | EA | 16" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac) | 17.21 | |
| 33 14 13 36-0326 | EA | 18" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac) | 19.56 | |
| 33 14 13 36-0327 | EA | 20" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac) | 25.27 | |
| 33 14 13 36-0328 | EA | 24" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac) | 31.03 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 36-0329 | EA | 30" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac) | 47.11 | |

## 33 14 13 36-0330 1/8" Thick Cloth-Inserted Rubber Flange Gasket, Class 250 (Tripac) *(33 14 13 36-0317)*

Note: Labor installation is included with pipe fittings or valves.

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0331 | EA | 4" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac) | 8.74 | |
| 33 14 13 36-0332 | EA | 6" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac) | 16.34 | |
| 33 14 13 36-0333 | EA | 8" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac) | 23.16 | |
| 33 14 13 36-0334 | EA | 10" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac) | 29.47 | |
| 33 14 13 36-0335 | EA | 12" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac) | 35.66 | |
| 33 14 13 36-0336 | EA | 14" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac) | 44.31 | |
| 33 14 13 36-0337 | EA | 16" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac) | 52.63 | |
| 33 14 13 36-0338 | EA | 18" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac) | 72.58 | |
| 33 14 13 36-0339 | EA | 20" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac) | 81.62 | |
| 33 14 13 36-0340 | EA | 24" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac) | 113.44 | |
| 33 14 13 36-0341 | EA | 30" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac) | 200.29 | |

## 33 14 13 36-0342 1/8" Thick Insulating Gasket Type E (PSI) *(33 14 13 36-0317)*

Note: Labor installation is included with pipe fittings or valves.

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0343 | EA | 1" Insulating Gasket Type E, 1/8" Thick (PSI) | 4.70 | |
| 33 14 13 36-0344 | EA | 1-1/4" Insulating Gasket Type E, 1/8" Thick (PSI) | 5.21 | |
| 33 14 13 36-0345 | EA | 1-1/2" Insulating Gasket Type E, 1/8" Thick (PSI) | 5.82 | |
| 33 14 13 36-0346 | EA | 2" Insulating Gasket Type E, 1/8" Thick (PSI) | 9.69 | |
| 33 14 13 36-0347 | EA | 2-1/2" Insulating Gasket Type E, 1/8" Thick (PSI) | 9.69 | |
| 33 14 13 36-0348 | EA | 3" Insulating Gasket Type E, 1/8" Thick (PSI) | 9.97 | |
| 33 14 13 36-0349 | EA | 4" Insulating Gasket Type E, 1/8" Thick (PSI) | 12.88 | |
| 33 14 13 36-0350 | EA | 6" Insulating Gasket Type E, 1/8" Thick (PSI) | 16.92 | |
| 33 14 13 36-0351 | EA | 8" Insulating Gasket Type E, 1/8" Thick (PSI) | 23.93 | |
| 33 14 13 36-0352 | EA | 10" Insulating Gasket Type E, 1/8" Thick (PSI) | 31.53 | |
| 33 14 13 36-0353 | EA | 12" Insulating Gasket Type E, 1/8" Thick (PSI) | 43.46 | |

## 33 14 13 36-0354 Steel Flange Bolt Packs *(33 14 13 36-0191)*

## 33 14 13 36-0355 Class 150, Steel Flange Bolt Packs *(33 14 13 36-0354)*

Note: Includes plain finish A307B bolts, A563 heavy hex nut and two structural washers. Labor installation is included with pipe fittings or valves.

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0356 | EA | 1" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 13.02 | |
| | | *For Zinc Plated, Add* | *3.65* | |
| | | *For Hot Dip Galvanized, Add* | *5.21* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *9.11* | |
| 33 14 13 36-0357 | EA | 1-1/4" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 14.61 | |
| | | *For Zinc Plated, Add* | *4.09* | |
| | | *For Hot Dip Galvanized, Add* | *5.84* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *10.23* | |
| 33 14 13 36-0358 | EA | 1-1/2" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 14.61 | |
| | | *For Zinc Plated, Add* | *4.09* | |
| | | *For Hot Dip Galvanized, Add* | *5.84* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *10.23* | |
| 33 14 13 36-0359 | EA | 2" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 18.83 | |
| | | *For Zinc Plated, Add* | *5.27* | |
| | | *For Hot Dip Galvanized, Add* | *7.53* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *13.18* | |
| 33 14 13 36-0360 | EA | 2-1/2" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 18.95 | |
| | | *For Zinc Plated, Add* | *5.31* | |
| | | *For Hot Dip Galvanized, Add* | *7.58* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *13.27* | |
| 33 14 13 36-0361 | EA | 3" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 18.95 | |
| | | *For Zinc Plated, Add* | *5.31* | |
| | | *For Hot Dip Galvanized, Add* | *7.58* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *13.27* | |
| 33 14 13 36-0362 | EA | 4" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 44.25 | |
| | | *For Zinc Plated, Add* | *12.39* | |
| | | *For Hot Dip Galvanized, Add* | *17.70* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *30.98* | |
| 33 14 13 36-0363 | EA | 5" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 63.39 | |
| | | *For Zinc Plated, Add* | *17.75* | |
| | | *For Hot Dip Galvanized, Add* | *25.36* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *44.37* | |
| 33 14 13 36-0364 | EA | 6" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 68.27 | |
| | | *For Zinc Plated, Add* | *19.12* | |
| | | *For Hot Dip Galvanized, Add* | *27.31* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *47.79* | |
| 33 14 13 36-0365 | EA | 8" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 74.13 | |
| | | *For Zinc Plated, Add* | *20.76* | |
| | | *For Hot Dip Galvanized, Add* | *29.65* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *51.89* | |
| 33 14 13 36-0366 | EA | 10" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 166.52 | |
| | | *For Zinc Plated, Add* | *46.63* | |
| | | *For Hot Dip Galvanized, Add* | *66.61* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *116.56* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 36-0367 | EA | 12" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 167.98 | |
| | | *For Zinc Plated, Add* | *47.03* | |
| | | *For Hot Dip Galvanized, Add* | *67.19* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *117.59* | |
| 33 14 13 36-0368 | EA | 14" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 188.20 | |
| | | *For Zinc Plated, Add* | *52.70* | |
| | | *For Hot Dip Galvanized, Add* | *75.28* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *131.74* | |
| 33 14 13 36-0369 | EA | 16" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 316.39 | |
| | | *For Zinc Plated, Add* | *88.59* | |
| | | *For Hot Dip Galvanized, Add* | *126.56* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *221.47* | |
| 33 14 13 36-0370 | EA | 18" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 459.63 | |
| | | *For Zinc Plated, Add* | *128.70* | |
| | | *For Hot Dip Galvanized, Add* | *183.85* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *321.74* | |
| 33 14 13 36-0371 | EA | 20" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 580.34 | |
| | | *For Zinc Plated, Add* | *162.50* | |
| | | *For Hot Dip Galvanized, Add* | *232.14* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *406.24* | |
| 33 14 13 36-0372 | EA | 22" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 830.36 | |
| | | *For Zinc Plated, Add* | *232.50* | |
| | | *For Hot Dip Galvanized, Add* | *332.14* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *581.25* | |
| 33 14 13 36-0373 | EA | 24" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 830.36 | |
| | | *For Zinc Plated, Add* | *232.50* | |
| | | *For Hot Dip Galvanized, Add* | *332.14* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *581.25* | |
| 33 14 13 36-0374 | EA | 30" Pipe Diameter, Class 150, Steel Flange Bolt Pack | 1,312.09 | |
| | | *For Zinc Plated, Add* | *367.39* | |
| | | *For Hot Dip Galvanized, Add* | *524.84* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *918.46* | |
| 33 14 13 36-0375 | EA | 36" Pipe Diameter, Class 150 Steel Flange, Bolt Set<br>Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut. | 1,871.73 | |
| | | *For Zinc Plated, Add* | *524.08* | |
| | | *For Hot Dip Galvanized, Add* | *748.69* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *1,310.21* | |

## 33 14 13 36-0376 Class 300, Steel Flange Bolt Packs *(33 14 13 36-0354)*

Note: Includes plain finish A307B bolts, A563 heavy hex nut and two structural washers. Labor installation is included with pipe fittings or valves.

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0377 | EA | 1" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 18.95 | |
| | | *For Zinc Plated, Add* | *5.31* | |
| | | *For Hot Dip Galvanized, Add* | *7.58* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *13.27* | |
| 33 14 13 36-0378 | EA | 1-1/4" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 18.95 | |
| | | *For Zinc Plated, Add* | *5.31* | |
| | | *For Hot Dip Galvanized, Add* | *7.58* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *13.27* | |
| 33 14 13 36-0379 | EA | 1-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 21.21 | |
| | | *For Zinc Plated, Add* | *5.94* | |
| | | *For Hot Dip Galvanized, Add* | *8.48* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *14.85* | |
| 33 14 13 36-0380 | EA | 2" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 42.41 | |
| | | *For Zinc Plated, Add* | *11.87* | |
| | | *For Hot Dip Galvanized, Add* | *16.96* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *29.69* | |
| 33 14 13 36-0381 | EA | 2-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 68.27 | |
| | | *For Zinc Plated, Add* | *19.12* | |
| | | *For Hot Dip Galvanized, Add* | *27.31* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *47.79* | |
| 33 14 13 36-0382 | EA | 3" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 74.13 | |
| | | *For Zinc Plated, Add* | *20.76* | |
| | | *For Hot Dip Galvanized, Add* | *29.65* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *51.89* | |
| 33 14 13 36-0383 | EA | 3-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 74.13 | |
| | | *For Zinc Plated, Add* | *20.76* | |
| | | *For Hot Dip Galvanized, Add* | *29.65* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *51.89* | |
| 33 14 13 36-0384 | EA | 4" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 75.48 | |
| | | *For Zinc Plated, Add* | *21.13* | |
| | | *For Hot Dip Galvanized, Add* | *30.19* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *52.84* | |
| 33 14 13 36-0385 | EA | 5" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 76.70 | |
| | | *For Zinc Plated, Add* | *21.48* | |
| | | *For Hot Dip Galvanized, Add* | *30.68* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *53.69* | |
| 33 14 13 36-0386 | EA | 6" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 115.05 | |
| | | *For Zinc Plated, Add* | *32.21* | |
| | | *For Hot Dip Galvanized, Add* | *46.02* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *80.54* | |
| 33 14 13 36-0387 | EA | 8" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 179.89 | |
| | | *For Zinc Plated, Add* | *50.37* | |
| | | *For Hot Dip Galvanized, Add* | *71.96* | |
| | | *For Advanced Fluoropolymer (Blue Coating), Add* | *125.92* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 33 14 13 36-0388 | | EA | 10" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 337.39 | |
| | | | *For Zinc Plated, Add* | *94.47* | |
| | | | *For Hot Dip Galvanized, Add* | *134.96* | |
| | | | *For Advanced Fluoropolymer (Blue Coating), Add* | *236.17* | |
| 33 14 13 36-0389 | | EA | 12" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 491.13 | |
| | | | *For Zinc Plated, Add* | *137.52* | |
| | | | *For Hot Dip Galvanized, Add* | *196.45* | |
| | | | *For Advanced Fluoropolymer (Blue Coating), Add* | *343.79* | |
| 33 14 13 36-0390 | | EA | 14" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 674.97 | |
| | | | *For Zinc Plated, Add* | *188.99* | |
| | | | *For Hot Dip Galvanized, Add* | *269.99* | |
| | | | *For Advanced Fluoropolymer (Blue Coating), Add* | *472.48* | |
| 33 14 13 36-0391 | | EA | 16" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 937.21 | |
| | | | *For Zinc Plated, Add* | *262.42* | |
| | | | *For Hot Dip Galvanized, Add* | *374.88* | |
| | | | *For Advanced Fluoropolymer (Blue Coating), Add* | *656.05* | |
| 33 14 13 36-0392 | | EA | 18" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 1,200.48 | |
| | | | *For Zinc Plated, Add* | *336.13* | |
| | | | *For Hot Dip Galvanized, Add* | *480.19* | |
| | | | *For Advanced Fluoropolymer (Blue Coating), Add* | *840.34* | |
| 33 14 13 36-0393 | | EA | 20" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 1,271.19 | |
| | | | *For Zinc Plated, Add* | *355.93* | |
| | | | *For Hot Dip Galvanized, Add* | *508.48* | |
| | | | *For Advanced Fluoropolymer (Blue Coating), Add* | *889.83* | |
| 33 14 13 36-0394 | | EA | 24" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 1,605.28 | |
| | | | *For Zinc Plated, Add* | *449.48* | |
| | | | *For Hot Dip Galvanized, Add* | *642.11* | |
| | | | *For Advanced Fluoropolymer (Blue Coating), Add* | *1,123.70* | |
| 33 14 13 36-0395 | | EA | 30" Pipe Diameter, Class 300, Steel Flange Bolt Pack | 2,507.08 | |
| | | | *For Zinc Plated, Add* | *701.98* | |
| | | | *For Hot Dip Galvanized, Add* | *1,002.83* | |
| | | | *For Advanced Fluoropolymer (Blue Coating), Add* | *1,754.96* | |

## 33 14 13 36-0396 Flanged Steel Pipe Fittings, Standard Wall Thickness *(33 14 13 36-0001)*

See CSI section 33 14 13 36-0355 for bolt pack.

## 33 14 13 36-0397 Flanged 90 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

| | | | | | |
|---|---|---|---|---|---|
| 33 14 13 36-0398 | | EA | 4" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 479.71 | 211.82 |
| | | | *For Class 300, Add* | *120.76* | |
| 33 14 13 36-0399 | | EA | 6" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 812.76 | 349.65 |
| | | | *For Class 300, Add* | *215.05* | |
| 33 14 13 36-0400 | | EA | 8" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,224.02 | 491.46 |
| | | | *For Class 300, Add* | *362.99* | |
| 33 14 13 36-0401 | | EA | 10" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,634.96 | 561.59 |
| | | | *For Class 300, Add* | *590.79* | |
| 33 14 13 36-0402 | | EA | 12" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 2,254.38 | 734.84 |
| | | | *For Class 300, Add* | *858.78* | |

## 33 14 13 36-0403 Flanged 45 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

| | | | | | |
|---|---|---|---|---|---|
| 33 14 13 36-0404 | | EA | 4" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 466.81 | 211.82 |
| | | | *For Class 300, Add* | *111.15* | |
| 33 14 13 36-0405 | | EA | 6" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 781.03 | 349.65 |
| | | | *For Class 300, Add* | *191.41* | |
| 33 14 13 36-0406 | | EA | 8" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,210.08 | 491.46 |
| | | | *For Class 300, Add* | *352.61* | |
| 33 14 13 36-0407 | | EA | 10" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,526.87 | 561.59 |
| | | | *For Class 300, Add* | *510.26* | |
| 33 14 13 36-0408 | | EA | 12" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 2,097.65 | 734.84 |
| | | | *For Class 300, Add* | *742.01* | |

## 33 14 13 36-0409 Flanged 22.5 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

| | | | | | |
|---|---|---|---|---|---|
| 33 14 13 36-0410 | | EA | 4" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 462.13 | 211.82 |
| | | | *For Class 300, Add* | *107.67* | |
| 33 14 13 36-0411 | | EA | 6" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 770.07 | 349.65 |
| | | | *For Class 300, Add* | *183.25* | |
| 33 14 13 36-0412 | | EA | 8" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,144.46 | 491.46 |
| | | | *For Class 300, Add* | *303.72* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 36-0413 | EA | 10" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,492.07 | 561.59 |
| | | *For Class 300, Add* | *484.33* | |
| 33 14 13 36-0414 | EA | 12" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 2,047.18 | 734.84 |
| | | *For Class 300, Add* | *704.41* | |

## 33 14 13 36-0415 Flanged 11.25 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0416 | EA | 4" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 464.23 | 211.82 |
| | | *For Class 300, Add* | *109.23* | |
| 33 14 13 36-0417 | EA | 6" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 775.22 | 349.65 |
| | | *For Class 300, Add* | *187.08* | |
| 33 14 13 36-0418 | EA | 8" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,154.02 | 491.46 |
| | | *For Class 300, Add* | *310.84* | |
| 33 14 13 36-0419 | EA | 10" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,509.62 | 561.59 |
| | | *For Class 300, Add* | *497.41* | |
| 33 14 13 36-0420 | EA | 12" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 2,072.62 | 734.84 |
| | | *For Class 300, Add* | *723.37* | |

## 33 14 13 36-0421 Flanged Tees, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0422 | EA | 4"x4"x4", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 736.51 | 317.73 |
| | | *For Class 300, Add* | *193.81* | |
| 33 14 13 36-0423 | EA | 6"x6"x6", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,205.52 | 524.35 |
| | | *For Class 300, Add* | *312.38* | |
| 33 14 13 36-0424 | EA | 8"x8"x8", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,808.91 | 737.14 |
| | | *For Class 300, Add* | *524.29* | |
| 33 14 13 36-0425 | EA | 10"x10"x10" Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 2,355.62 | 842.44 |
| | | *For Class 300, Add* | *814.05* | |
| 33 14 13 36-0426 | EA | 12"x12"x12" Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 3,272.66 | 1,102.26 |
| | | *For Class 300, Add* | *1,207.03* | |

## 33 14 13 36-0427 Flanged Reducing Tees, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0428 | EA | 6"x6"x4", Reducing Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,179.61 | 524.35 |
| | | *For Class 300, Add* | *293.08* | |
| 33 14 13 36-0429 | EA | 8"x8"x6", Reducing Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,767.22 | 737.14 |
| | | *For Class 300, Add* | *493.23* | |
| 33 14 13 36-0430 | EA | 10"x10"x 8" Reducing Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 2,302.99 | 842.44 |
| | | *For Class 300, Add* | *774.84* | |
| 33 14 13 36-0431 | EA | 12"x12"x6" Reducing Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 3,098.46 | 1,102.26 |
| | | *For Class 300, Add* | *1,077.26* | |

## 33 14 13 36-0432 Flanged Eccentric Reducers, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0433 | EA | 6" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 727.73 | 349.65 |
| | | *For Class 300, Add* | *151.70* | |
| 33 14 13 36-0434 | EA | 8" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,074.81 | 491.46 |
| | | *For Class 300, Add* | *251.83* | |
| 33 14 13 36-0435 | EA | 8" x 6", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,036.50 | 491.46 |
| | | *For Class 300, Add* | *223.29* | |
| 33 14 13 36-0436 | EA | 10" x 8", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,276.65 | 561.59 |
| | | *For Class 300, Add* | *323.84* | |
| 33 14 13 36-0437 | EA | 12" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,618.91 | 734.84 |
| | | *For Class 300, Add* | *385.35* | |
| 33 14 13 36-0438 | EA | 12" x 6", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,893.47 | 734.84 |
| | | *For Class 300, Add* | *589.90* | |
| 33 14 13 36-0439 | EA | 12" x 8", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,782.36 | 734.84 |
| | | *For Class 300, Add* | *507.12* | |
| 33 14 13 36-0440 | EA | 12" x 10", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,746.07 | 734.84 |
| | | *For Class 300, Add* | *480.09* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 14 13 36-0441** | | **Flanged Concentric Reducers, Standard Wall Thickness, Steel** *(33 14 13 36-0396)* | | |
| 33 14 13 36-0442 | EA | 6" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 705.43 | 349.65 |
| | | *For Class 300, Add* | *135.09* | |
| 33 14 13 36-0443 | EA | 8" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 997.64 | 491.46 |
| | | *For Class 300, Add* | *194.34* | |
| 33 14 13 36-0444 | EA | 8" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,009.51 | 491.46 |
| | | *For Class 300, Add* | *203.18* | |
| 33 14 13 36-0445 | EA | 10" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,273.78 | 561.59 |
| | | *For Class 300, Add* | *321.71* | |
| 33 14 13 36-0446 | EA | 12" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,806.05 | 734.84 |
| | | *For Class 300, Add* | *524.77* | |
| 33 14 13 36-0447 | EA | 12" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,636.42 | 734.84 |
| | | *For Class 300, Add* | *398.40* | |
| 33 14 13 36-0448 | EA | 12" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,672.77 | 734.84 |
| | | *For Class 300, Add* | *425.48* | |
| 33 14 13 36-0449 | EA | 12" x 10", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated | 1,709.20 | 734.84 |
| | | *For Class 300, Add* | *452.62* | |
| **33 14 13 36-0450** | | **Flanged Crosses, Standard Wall Thickness, Steel** *(33 14 13 36-0396)* | | |
| 33 14 13 36-0451 | EA | 8" x 8" x 8" x 8", Crosses, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Coated | 2,442.47 | 979.31 |
| | | *For Class 300, Add* | *724.37* | |
| 33 14 13 36-0452 | EA | 12" x 12" x 12" x 12", Crosses, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Coated | 4,457.86 | 1,467.75 |
| | | *For Class 300, Add* | *1,680.00* | |
| **33 14 13 36-0453** | | **Grooved-Joint Pipe, Cement Mortar Lined And Epoxy Coated** *(33 14 13 36)* | | |
| | | Note: Excludes fittings, elbow, tee, reducer fitting or couplings. | | |
| 33 14 13 36-0454 | LF | 3" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated | 74.59 | 25.63 |
| 33 14 13 36-0455 | LF | 4" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated | 92.63 | 28.54 |
| 33 14 13 36-0456 | LF | 6" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated | 162.21 | 50.05 |
| 33 14 13 36-0457 | LF | 8" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated | 214.71 | 56.71 |
| 33 14 13 36-0458 | LF | 10" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated | 284.18 | 67.71 |
| 33 14 13 36-0459 | LF | 12" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated | 343.53 | 77.74 |
| **33 14 13 36-0460** | | **Grooved-Joint Pipe Fittings** *(33 14 13 36)* | | |
| **33 14 13 36-0461** | | **90 Degree Grooved Elbow** *(33 14 13 36-0460)* | | |
| 33 14 13 36-0462 | EA | 3" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 179.61 | 38.93 |
| 33 14 13 36-0463 | EA | 4" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 210.29 | 51.39 |
| 33 14 13 36-0464 | EA | 6" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 478.31 | 84.03 |
| 33 14 13 36-0465 | EA | 8" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 882.43 | 99.99 |
| 33 14 13 36-0466 | EA | 10" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 1,312.46 | 116.67 |
| 33 14 13 36-0467 | EA | 12" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 2,018.38 | 140.01 |
| **33 14 13 36-0468** | | **45 Degree Grooved Elbow** *(33 14 13 36-0460)* | | |
| 33 14 13 36-0469 | EA | 3" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 179.56 | 38.93 |
| 33 14 13 36-0470 | EA | 4" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 210.29 | 51.39 |
| 33 14 13 36-0471 | EA | 6" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 478.31 | 84.03 |
| 33 14 13 36-0472 | EA | 8" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 882.43 | 99.99 |
| 33 14 13 36-0473 | EA | 10" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 1,312.46 | 116.67 |
| 33 14 13 36-0474 | EA | 12" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 2,018.38 | 140.01 |
| **33 14 13 36-0475** | | **22.5 Degree Grooved Elbow** *(33 14 13 36-0460)* | | |
| 33 14 13 36-0476 | EA | 3" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 166.29 | 38.93 |
| 33 14 13 36-0477 | EA | 4" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 219.67 | 51.39 |
| 33 14 13 36-0478 | EA | 6" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 505.35 | 84.03 |
| 33 14 13 36-0479 | EA | 8" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 934.88 | 99.99 |
| 33 14 13 36-0480 | EA | 10" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 1,254.58 | 116.67 |
| 33 14 13 36-0481 | EA | 12" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 1,665.84 | 140.01 |
| **33 14 13 36-0482** | | **11.25 Degree Grooved Elbow** *(33 14 13 36-0460)* | | |
| 33 14 13 36-0483 | EA | 3" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 166.28 | 38.93 |
| 33 14 13 36-0484 | EA | 4" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 219.66 | 51.39 |
| 33 14 13 36-0485 | EA | 6" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 505.33 | 84.03 |
| 33 14 13 36-0486 | EA | 8" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 934.84 | 99.99 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 36-0487 | EA | 10" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 1,254.52 | 116.67 |
| 33 14 13 36-0488 | EA | 12" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated | 1,665.77 | 140.01 |

### 33 14 13 36-0489 Grooved Couplings *(33 14 13 36-0460)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 36-0490 | EA | 3" Coupling, Steel, AGS, Schedule 40 | 53.31 | 19.22 |
| 33 14 13 36-0491 | EA | 4" Coupling, Steel, AGS, Schedule 40 | 78.11 | 25.63 |
| 33 14 13 36-0492 | EA | 6" Coupling, Steel, AGS, Schedule 40 | 134.74 | 41.95 |
| 33 14 13 36-0493 | EA | 8" Coupling, Steel, AGS, Schedule 40 | 191.95 | 50.05 |
| 33 14 13 36-0494 | EA | 10" Coupling, Steel, AGS, Schedule 40 | 284.39 | 59.96 |
| 33 14 13 36-0495 | EA | 12" Coupling, Steel, AGS, Schedule 40 | 319.77 | 65.65 |

## 33 14 13 39 Copper Public Water Utility Distribution Piping *(33 14 13)*

### 33 14 13 39-0001 Type L Copper Water Distribution Piping *(33 14 13 39)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 39-0002 | LF | 1/2" Type L Copper Water Distribution Pipe | 8.24 | 2.08 |
| 33 14 13 39-0003 | LF | 3/4" Type L Copper Water Distribution Pipe | 10.55 | 2.34 |
| 33 14 13 39-0004 | LF | 1" Type L Copper Water Distribution Pipe | 14.04 | 2.60 |
| 33 14 13 39-0005 | LF | 1-1/4" Type L Copper Water Distribution Pipe | 17.67 | 3.12 |
| 33 14 13 39-0006 | LF | 1-1/2" Type L Copper Water Distribution Pipe | 21.86 | 4.17 |
| 33 14 13 39-0007 | LF | 2" Type L Copper Water Distribution Pipe | 32.28 | 5.20 |
| 33 14 13 39-0008 | LF | 2-1/2" Type L Copper Water Distribution Pipe | 40.55 | 6.25 |
| 33 14 13 39-0009 | LF | 3" Type L Copper Water Distribution Pipe | 51.20 | 6.87 |
| 33 14 13 39-0010 | LF | 3-1/2" Type L Copper Water Distribution Pipe | 68.71 | 8.64 |
| 33 14 13 39-0011 | LF | 4" Type L Copper Water Distribution Pipe | 90.91 | 10.92 |
| 33 14 13 39-0012 | LF | 5" Type L Copper Water Distribution Pipe | 148.03 | 13.64 |
| 33 14 13 39-0013 | LF | 6" Type L Copper Water Distribution Pipe | 191.67 | 16.45 |
| 33 14 13 39-0014 | LF | 8" Type L Copper Water Distribution Pipe | 334.07 | 18.42 |

### 33 14 13 39-0015 Type K Copper Water Distribution Piping *(33 14 13 39)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 39-0016 | LF | 1/2" Type K Copper Water Distribution Pipe | 8.82 | 2.08 |
| 33 14 13 39-0017 | LF | 3/4" Type K Copper Water Distribution Pipe | 12.62 | 2.34 |
| 33 14 13 39-0018 | LF | 1" Type K Copper Water Distribution Pipe | 16.10 | 2.60 |
| 33 14 13 39-0019 | LF | 1-1/4" Type K Copper Water Distribution Pipe | 18.94 | 3.12 |
| 33 14 13 39-0020 | LF | 1-1/2" Type K Copper Water Distribution Pipe | 23.75 | 4.17 |
| 33 14 13 39-0021 | LF | 2" Type K Copper Water Distribution Pipe | 34.81 | 5.20 |
| 33 14 13 39-0022 | LF | 2-1/2" Type K Copper Water Distribution Pipe | 47.58 | 6.25 |
| 33 14 13 39-0023 | LF | 3" Type K Copper Water Distribution Pipe | 61.74 | 6.87 |
| 33 14 13 39-0024 | LF | 3-1/2" Type K Copper Water Distribution Pipe | 81.10 | 8.64 |
| 33 14 13 39-0025 | LF | 4" Type K Copper Water Distribution Pipe | 109.71 | 10.92 |
| 33 14 13 39-0026 | LF | 5" Type K Copper Water Distribution Pipe | 186.93 | 13.64 |
| 33 14 13 39-0027 | LF | 6" Type K Copper Water Distribution Pipe | 261.62 | 16.45 |
| 33 14 13 39-0028 | LF | 8" Type K Copper Water Distribution Pipe | 463.15 | 18.42 |

### 33 14 13 39-0029 Copper Flare x Female Copper Flare Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15405

| | | | |
|---|---|---|---|
| 33 14 13 39-0030 | EA | 3/4" Copper Flare x Female Copper Flare Service Fitting Coupling | 37.74 |
| 33 14 13 39-0031 | EA | 1" Copper Flare x Female Copper Flare Service Fitting Coupling | 53.25 |
| 33 14 13 39-0032 | EA | 1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling | 125.24 |
| 33 14 13 39-0033 | EA | 2" Copper Flare x Female Copper Flare Service Fitting Coupling | 159.48 |

### 33 14 13 39-0034 Copper Flare x Female Iron Pipe Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15450

| | | | |
|---|---|---|---|
| 33 14 13 39-0035 | EA | 1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling | 43.04 |
| 33 14 13 39-0036 | EA | 3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling | 37.91 |
| 33 14 13 39-0037 | EA | 1" Copper Flare x Female Iron Pipe Service Fitting Coupling | 51.88 |
| 33 14 13 39-0038 | EA | 1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling | 75.90 |
| 33 14 13 39-0039 | EA | 1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling | 97.70 |
| 33 14 13 39-0040 | EA | 2" Copper Flare x Female Iron Pipe Service Fitting Coupling | 154.66 |

### 33 14 13 39-0041 Copper Flare x Male Iron Pipe Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15425

| | | | |
|---|---|---|---|
| 33 14 13 39-0042 | EA | 1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling | 37.45 |
| 33 14 13 39-0043 | EA | 3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling | 38.00 |
| 33 14 13 39-0044 | EA | 1" Copper Flare x Male Iron Pipe Service Fitting Coupling | 50.68 |
| 33 14 13 39-0045 | EA | 1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling | 75.90 |
| 33 14 13 39-0046 | EA | 1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling | 102.06 |
| 33 14 13 39-0047 | EA | 2" Copper Flare x Male Iron Pipe Service Fitting Coupling | 160.07 |

### 33 14 13 39-0048 Brass Fittings *(33 14 13 39)*

### 33 14 13 39-0049 Brass Compression Reducer Coupling *(33 14 13 39-0048)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 39-0050 | EA | 3/4" x 1" Brass Compression Reducer Coupling | 50.38 | 15.81 |
| 33 14 13 39-0051 | EA | 1" x 3/4" Brass Compression Reducer Coupling | 39.35 | 15.81 |
| 33 14 13 39-0052 | EA | 1-1/2" x 1" Brass Compression Reducer Coupling | 84.16 | 23.99 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 39-0053 | EA | 2" x 1-1/2" Brass Compression Reducer Coupling | 104.14 | 30.44 |
| **33 14 13 39-0054** | | **Copper Compression x Male NPT Brass Coupling** *(33 14 13 39-0048)* | | |
| | | Note: A. Y. McDonald 74753Q | | |
| 33 14 13 39-0055 | EA | 3/4" Copper Compression x Male NPT Brass Coupling | 52.27 | 17.56 |
| 33 14 13 39-0056 | EA | 3/4" x 1" Copper Compression x Male NPT Brass Coupling | 59.71 | 20.49 |
| 33 14 13 39-0057 | EA | 1" Copper Compression x Male NPT Brass Coupling | 61.31 | 20.49 |
| 33 14 13 39-0058 | EA | 1" x 3/4" Copper Compression x Male NPT Brass Coupling | 59.98 | 20.49 |
| 33 14 13 39-0059 | EA | 1-1/4" Copper Compression x Male NPT Brass Coupling | 82.39 | 23.41 |
| 33 14 13 39-0060 | EA | 1-1/4" x 1" Copper Compression x Male NPT Brass Coupling | 79.98 | 23.41 |
| 33 14 13 39-0061 | EA | 1-1/2" Copper Compression x Male NPT Brass Coupling | 109.45 | 29.27 |
| 33 14 13 39-0062 | EA | 2" Copper Compression x Male NPT Brass Coupling | 144.46 | 35.12 |
| **33 14 13 39-0063** | | **Brass Nipples** *(33 14 13 39-0048)* | | |
| 33 14 13 39-0064 | EA | 3/4" x 6" Long Brass Nipple | 36.63 | 7.32 |
| 33 14 13 39-0065 | EA | 1" x 6" Long Brass Nipple | 47.87 | 7.90 |
| 33 14 13 39-0066 | EA | 1-1/2" x 6" Long Brass Nipple | 73.33 | 8.49 |
| **33 14 13 39-0067** | | **Brass "H" Style Meter Insetters** *(33 14 13 39-0048)* | | |
| 33 14 13 39-0068 | EA | 5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters | 282.74 | 32.33 |
| 33 14 13 39-0069 | EA | 5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters | 178.94 | 32.33 |
| **33 14 13 39-0070** | | **Meter Setters - Resetter, Brass** *(33 14 13 39-0048)* | | |
| 33 14 13 39-0071 | EA | 1" Meter, 10" High Brass Meter Setter - Resetter | 759.95 | 32.33 |
| | | Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts. | | |
| **33 14 13 43** | | **Public Water Utility Distribution Piping Coatings and Wraps** *(33 14 13)* | | |
| **33 14 13 43-0001** | | **Pipe Coatings** *(33 14 13 43)* | | |
| **33 14 13 43-0002** | | **Epoxy Wrap And Pipe Coating** *(33 14 13 43-0001)* | | |
| | | Note: Applied at fabrication shop. | | |
| 33 14 13 43-0003 | LF | 4" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 2.28 | |
| 33 14 13 43-0004 | LF | 6" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 2.81 | |
| 33 14 13 43-0005 | LF | 8" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 3.51 | |
| 33 14 13 43-0006 | LF | 10" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 4.18 | |
| 33 14 13 43-0007 | LF | 12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 4.94 | |
| 33 14 13 43-0008 | LF | 14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 6.56 | |
| 33 14 13 43-0009 | LF | 16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 7.48 | |
| 33 14 13 43-0010 | LF | 18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 7.87 | |
| 33 14 13 43-0011 | LF | 20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 8.47 | |
| 33 14 13 43-0012 | LF | 24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 9.87 | |
| 33 14 13 43-0013 | LF | 30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 12.96 | |
| 33 14 13 43-0014 | LF | 36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 20.48 | |
| 33 14 13 43-0015 | LF | 42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 44.14 | |
| 33 14 13 43-0016 | LF | 48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 50.45 | |
| 33 14 13 43-0017 | LF | 54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 56.76 | |
| 33 14 13 43-0018 | LF | 60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 63.06 | |
| 33 14 13 43-0019 | LF | 66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 69.37 | |
| 33 14 13 43-0020 | LF | 72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 75.64 | |
| 33 14 13 43-0021 | LF | 78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 81.98 | |
| 33 14 13 43-0022 | LF | 84" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 88.29 | |
| 33 14 13 43-0023 | LF | 90" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 94.59 | |
| 33 14 13 43-0024 | LF | 96" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 100.90 | |
| 33 14 13 43-0025 | LF | 102" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 107.17 | |
| 33 14 13 43-0026 | LF | 108" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 113.54 | |
| 33 14 13 43-0027 | LF | 114" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 119.75 | |
| 33 14 13 43-0028 | LF | 120" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 126.12 | |
| 33 14 13 43-0029 | LF | 126" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 132.49 | |
| 33 14 13 43-0030 | LF | 132" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 138.54 | |
| 33 14 13 43-0031 | LF | 138" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 144.91 | |
| 33 14 13 43-0032 | LF | 144" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating | 151.28 | |
| **33 14 13 43-0033** | | **Cement Coating With Fiberglass Or Wire Mesh Reinforcing** *(33 14 13 43-0001)* | | |
| | | Note: Applied at fabrication shop. Thickness ranging between 1" and 2". | | |
| 33 14 13 43-0034 | LF | 4" Diameter Cement Coated Pipe 1" To 2" Mesh | 9.27 | |
| | | Note: Reinforcing applied at fabrication shop. | | |
| 33 14 13 43-0035 | LF | 6" Diameter Cement Coated Pipe 1" To 2" Mesh | 11.41 | |
| | | Note: Reinforcing applied at fabrication shop. | | |
| 33 14 13 43-0036 | LF | 8" Diameter Cement Coated Pipe 1" To 2" Mesh | 14.27 | |
| | | Note: Reinforcing applied at fabrication shop. | | |
| 33 14 13 43-0037 | LF | 10" Diameter Cement Coated Pipe 1" To 2" Mesh | 15.89 | |
| | | Note: Reinforcing applied at fabrication shop. | | |
| 33 14 13 43-0038 | LF | 12" Diameter Cement Coated Pipe 1" To 2" Mesh | 17.95 | |
| | | Note: Reinforcing applied at fabrication shop. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 43-0039 | LF | 14" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 21.01 | |
| 33 14 13 43-0040 | LF | 16" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 23.86 | |
| 33 14 13 43-0041 | LF | 18" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 26.92 | |
| 33 14 13 43-0042 | LF | 20" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 29.92 | |
| 33 14 13 43-0043 | LF | 24" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 35.90 | |
| 33 14 13 43-0044 | LF | 30" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 44.87 | |
| 33 14 13 43-0045 | LF | 36" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 53.84 | |
| 33 14 13 43-0046 | LF | 42" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 62.82 | |
| 33 14 13 43-0047 | LF | 48" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 71.79 | |
| 33 14 13 43-0048 | LF | 54" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 80.77 | |
| 33 14 13 43-0049 | LF | 60" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 89.74 | |
| 33 14 13 43-0050 | LF | 66" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 98.71 | |
| 33 14 13 43-0051 | LF | 72" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 107.69 | |
| 33 14 13 43-0052 | LF | 78" Diameter Cement Coated Pipe 1" To 2" Mesh<br>Note: Reinforcing applied at fabrication shop. | 116.66 | |

### 33 14 13 43-0053 Epoxy Wrap And Fitting Coating *(33 14 13 43-0001)*

Note: Applied at fabrication shop.

| | | | | |
|---|---|---|---|---|
| 33 14 13 43-0054 | EA | 4" Outside Diameter, Epoxy Wrap And Fitting Coating | 10.38 | |
| | | *For 1/2" Thick, Add* | *0.53* | |
| 33 14 13 43-0055 | EA | 6" Outside Diameter, Epoxy Wrap And Fitting Coating | 13.19 | |
| | | *For 1/2" Thick, Add* | *0.70* | |
| 33 14 13 43-0056 | EA | 8" Outside Diameter, Epoxy Wrap And Fitting Coating | 19.08 | |
| | | *For 1/2" Thick, Add* | *0.91* | |
| 33 14 13 43-0057 | EA | 10" Outside Diameter, Epoxy Wrap And Fitting Coating | 31.84 | |
| | | *For 1/2" Thick, Add* | *1.34* | |
| 33 14 13 43-0058 | EA | 12" Outside Diameter, Epoxy Wrap And Fitting Coating | 48.57 | |
| | | *For 1/2" Thick, Add* | *1.97* | |
| 33 14 13 43-0059 | EA | 14" Outside Diameter, Epoxy Wrap And Fitting Coating | 76.04 | |
| | | *For 1/2" Thick, Add* | *3.02* | |
| 33 14 13 43-0060 | EA | 16" Outside Diameter, Epoxy Wrap And Fitting Coating | 116.21 | |
| | | *For 1/2" Thick, Add* | *3.89* | |
| 33 14 13 43-0061 | EA | 18" Outside Diameter, Epoxy Wrap And Fitting Coating | 157.11 | |
| | | *For 1/2" Thick, Add* | *4.01* | |
| 33 14 13 43-0062 | EA | 20" Outside Diameter, Epoxy Wrap And Fitting Coating | 213.58 | |
| | | *For 1/2" Thick, Add* | *4.80* | |
| 33 14 13 43-0063 | EA | 24" Outside Diameter, Epoxy Wrap And Fitting Coating | 310.39 | |
| | | *For 1/2" Thick, Add* | *6.71* | |

### 33 14 13 43-0064 Cement Pipe Lining *(33 14 13 43)*

### 33 14 13 43-0065 Cement Pipe Lining *(33 14 13 43-0064)*

Note: Shop applied.

| | | | | |
|---|---|---|---|---|
| 33 14 13 43-0066 | LF | 4" Outside Diameter, 1/4" Thick Cement Pipe Lining | 13.92 | |
| | | *For 1/2" Thick, Add* | *1.24* | |
| 33 14 13 43-0067 | LF | 6" Outside Diameter, 1/4" Thick Cement Pipe Lining | 17.29 | |
| | | *For 1/2" Thick, Add* | *1.52* | |
| 33 14 13 43-0068 | LF | 8" Outside Diameter, 1/4" Thick Cement Pipe Lining | 21.12 | |
| | | *For 1/2" Thick, Add* | *1.90* | |
| 33 14 13 43-0069 | LF | 10" Outside Diameter, 1/4" Thick Cement Pipe Lining | 27.37 | |
| | | *For 1/2" Thick, Add* | *2.38* | |
| 33 14 13 43-0070 | LF | 12" Outside Diameter, 1/4" Thick Cement Pipe Lining | 33.65 | |
| | | *For 1/2" Thick, Add* | *2.86* | |
| 33 14 13 43-0071 | LF | 14" Outside Diameter, 1/4" Thick Cement Pipe Lining | 42.86 | |
| | | *For 1/2" Thick, Add* | *3.35* | |
| 33 14 13 43-0072 | LF | 16" Outside Diameter, 1/4" Thick Cement Pipe Lining | 55.29 | |
| | | *For 1/2" Thick, Add* | *3.80* | |
| 33 14 13 43-0073 | LF | 18" Outside Diameter, 5/16" Thick Cement Pipe Lining | 65.95 | |
| | | *For 1/2" Thick, Add* | *3.65* | |
| 33 14 13 43-0074 | LF | 20" Outside Diameter, 5/16" Thick Cement Pipe Lining | 79.47 | |
| | | *For 1/2" Thick, Add* | *4.05* | |
| 33 14 13 43-0075 | LF | 24" Outside Diameter, 5/16" Thick Cement Pipe Lining | 96.32 | |
| | | *For 1/2" Thick, Add* | *4.86* | |
| 33 14 13 43-0076 | LF | 30" Outside Diameter, 5/16" Thick Cement Pipe Lining | 116.05 | |
| | | *For 1/2" Thick, Add* | *6.08* | |
| 33 14 13 43-0077 | LF | 36" Outside Diameter, 5/16" Thick Cement Pipe Lining | 139.65 | |
| | | *For 1/2" Thick, Add* | *7.29* | |
| 33 14 13 43-0078 | LF | 42" Outside Diameter, 3/8" Thick Cement Pipe Lining | 162.96 | |
| | | *For 1/2" Thick, Add* | *6.26* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 43-0079 | LF | 48" Outside Diameter, 3/8" Thick Cement Pipe Lining | 186.17 | |
| | | *For 1/2" Thick, Add* | *7.15* | |
| 33 14 13 43-0080 | LF | 54" Outside Diameter, 3/8" Thick Cement Pipe Lining | 209.48 | |
| | | *For 1/2" Thick, Add* | *8.04* | |
| 33 14 13 43-0081 | LF | 60" Outside Diameter, 3/8" Thick Cement Pipe Lining | 232.78 | |
| | | *For 1/2" Thick, Add* | *8.94* | |
| 33 14 13 43-0082 | LF | 66" Outside Diameter, 7/16" Thick Cement Pipe Lining | 255.99 | |
| | | *For 1/2" Thick, Add* | *5.24* | |
| 33 14 13 43-0083 | LF | 72" Outside Diameter, 7/16" Thick Cement Pipe Lining | 279.31 | |
| | | *For 1/2" Thick, Add* | *5.72* | |
| 33 14 13 43-0084 | LF | 78" Outside Diameter, 7/16" Thick Cement Pipe Lining | 302.61 | |
| | | *For 1/2" Thick, Add* | *6.20* | |

## 33 14 13 43-0085 Cement Fitting Lining *(33 14 13 43-0064)*

Note: Shop applied.

| | | | | |
|---|---|---|---|---|
| 33 14 13 43-0086 | EA | 4" Outside Diameter, 1/4" Thick Cement Fitting Lining | 14.87 | |
| | | *For 1/2" Thick, Add* | *1.43* | |
| 33 14 13 43-0087 | EA | 6" Outside Diameter, 1/4" Thick Cement Fitting Lining | 19.19 | |
| | | *For 1/2" Thick, Add* | *1.90* | |
| 33 14 13 43-0088 | EA | 8" Outside Diameter, 1/4" Thick Cement Fitting Lining | 26.87 | |
| | | *For 1/2" Thick, Add* | *2.47* | |
| 33 14 13 43-0089 | EA | 10" Outside Diameter, 1/4" Thick Cement Fitting Lining | 44.17 | |
| | | *For 1/2" Thick, Add* | *3.80* | |
| 33 14 13 43-0090 | EA | 12" Outside Diameter, 1/4" Thick Cement Fitting Lining | 67.30 | |
| | | *For 1/2" Thick, Add* | *5.72* | |
| 33 14 13 43-0091 | EA | 14" Outside Diameter, 1/4" Thick Cement Fitting Lining | 99.44 | |
| | | *For 1/2" Thick, Add* | *7.70* | |
| 33 14 13 43-0092 | EA | 16" Outside Diameter, 1/4" Thick Cement Fitting Lining | 146.18 | |
| | | *For 1/2" Thick, Add* | *9.89* | |
| 33 14 13 43-0093 | EA | 18" Outside Diameter, 5/16" Thick Cement Fittings Lining | 197.86 | |
| | | *For 1/2" Thick, Add* | *10.94* | |
| 33 14 13 43-0094 | EA | 20" Outside Diameter, 5/16" Thick Cement Fitting Lining | 264.76 | |
| | | *For 1/2" Thick, Add* | *13.50* | |
| 33 14 13 43-0095 | EA | 24" Outside Diameter, 5/16" Thick Cement Fitting Lining | 385.30 | |
| | | *For 1/2" Thick, Add* | *19.45* | |

## 33 14 13 43-0096 8 Mil Polyethylene Encasement Tubing *(33 14 13 43)*

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

| | | | |
|---|---|---|---|
| 33 14 13 43-0097 | LF | 3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing | 1.19 |
| 33 14 13 43-0098 | LF | 10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing | 1.96 |
| 33 14 13 43-0099 | LF | 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing | 2.42 |
| 33 14 13 43-0100 | LF | 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing | 3.06 |
| 33 14 13 43-0101 | LF | 24" Diameter, 8 Mil Polyethylene Encasement Tubing | 4.21 |
| 33 14 13 43-0102 | LF | 30" Diameter, 8 Mil Polyethylene Encasement Tubing | 5.43 |
| 33 14 13 43-0103 | LF | 36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing | 6.90 |
| 33 14 13 43-0104 | LF | 48" Diameter, 8 Mil Polyethylene Encasement Tubing | 8.23 |
| 33 14 13 43-0105 | LF | 54" Diameter, 8 Mil Polyethylene Encasement Tubing | 9.78 |
| 33 14 13 43-0106 | LF | 60" Diameter, 8 Mil Polyethylene Encasement Tubing | 10.76 |

## 33 14 13 43-0107 Enecon Polymeric Pipe Wrap *(33 14 13 43)*

Note: 1/4" thick polymeric wrap with three layers of integrated reinforcement. Includes minimal surface preparation.

| | | | | |
|---|---|---|---|---|
| 33 14 13 43-0108 | LF | 6" Diameter Pipe, Enecon Polymeric Pipe Wrap | 434.94 | |
| | | Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *173.98* | |
| | | *For <10', Add* | *434.94* | |
| 33 14 13 43-0109 | LF | 8" Diameter Pipe, Enecon Polymeric Pipe Wrap | 588.46 | |
| | | Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *235.38* | |
| | | *For <10', Add* | *588.46* | |
| 33 14 13 43-0110 | LF | 10" Diameter Pipe, Enecon Polymeric Pipe Wrap | 716.38 | |
| | | Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *286.55* | |
| | | *For <10', Add* | *716.38* | |
| 33 14 13 43-0111 | LF | 12" Diameter Pipe, Enecon Polymeric Pipe Wrap | 844.30 | |
| | | Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *337.72* | |
| | | *For <10', Add* | *844.30* | |
| 33 14 13 43-0112 | LF | 14" Diameter Pipe, Enecon Polymeric Pipe Wrap | 921.06 | |
| | | Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *368.42* | |
| | | *For <10', Add* | *921.06* | |
| 33 14 13 43-0113 | LF | 16" Diameter Pipe, Enecon Polymeric Pipe Wrap | 1,048.98 | |
| | | Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *419.59* | |
| | | *For <10', Add* | *1,048.98* | |
| 33 14 13 43-0114 | LF | 18" Diameter Pipe, Enecon Polymeric Pipe Wrap | 1,202.50 | |
| | | Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *481.00* | |
| | | *For <10', Add* | *1,202.50* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 43-0115 | LF | 20" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | 1,343.21 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *537.28* | |
| | | *For <10', Add* | *1,343.21* | |
| 33 14 13 43-0116 | LF | 22" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | 1,471.14 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *588.46* | |
| 33 14 13 43-0117 | LF | 24" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement | 1,599.06 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *639.62* | |
| 33 14 13 43-0118 | LF | 26" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | 1,739.78 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *695.91* | |
| 33 14 13 43-0119 | LF | 28" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | 1,867.70 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *747.08* | |
| 33 14 13 43-0120 | LF | 30" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | 2,021.22 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *606.37* | |
| 33 14 13 43-0121 | LF | 32" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | 2,123.56 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *637.07* | |
| 33 14 13 43-0122 | LF | 34" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | 2,277.06 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *683.12* | |
| 33 14 13 43-0123 | LF | 36" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | 2,404.99 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *721.50* | |
| 33 14 13 43-0124 | LF | 42" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | 2,814.35 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *844.31* | |
| 33 14 13 43-0125 | LF | 48" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | 3,223.71 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *967.11* | |
| 33 14 13 43-0126 | LF | 60" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | 3,991.26 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *1,197.38* | |
| 33 14 13 43-0127 | LF | 96" Diameter Pipe, Enecon Polymeric Pipe Wrap<br>Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement. | 6,396.25 | |
| | | *For abrasive pipe blasting and/or mechanical preparation (grinding), Add* | *1,918.88* | |

## 33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters *(33 14 13)*

### 33 14 13 53-0001 Double Stud Stainless Steel Service Saddles *(33 14 13 53)*

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

| | | | |
|---|---|---|---|
| 33 14 13 53-0002 | EA | 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) | 266.95 |
| 33 14 13 53-0003 | EA | 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) | 372.38 |
| 33 14 13 53-0004 | EA | 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) | 384.96 |
| 33 14 13 53-0005 | EA | 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) | 318.66 |
| 33 14 13 53-0006 | EA | 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) | 399.56 |
| 33 14 13 53-0007 | EA | 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) | 333.17 |
| 33 14 13 53-0008 | EA | 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) | 418.52 |
| 33 14 13 53-0009 | EA | 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) | 374.60 |
| 33 14 13 53-0010 | EA | 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) | 440.91 |
| 33 14 13 53-0011 | EA | 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) | 390.80 |
| 33 14 13 53-0012 | EA | 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) | 452.26 |

### 33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 14 13 53)*

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

| | | | |
|---|---|---|---|
| 33 14 13 53-0014 | EA | 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 225.28 |
| 33 14 13 53-0015 | EA | 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 225.43 |
| 33 14 13 53-0016 | EA | 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 239.87 |
| 33 14 13 53-0017 | EA | 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 229.04 |
| 33 14 13 53-0018 | EA | 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 245.03 |
| 33 14 13 53-0019 | EA | 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 270.59 |
| 33 14 13 53-0020 | EA | 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 287.73 |
| 33 14 13 53-0021 | EA | 4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 263.49 |
| 33 14 13 53-0022 | EA | 4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 289.26 |
| 33 14 13 53-0023 | EA | 4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 304.00 |
| 33 14 13 53-0024 | EA | 5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 278.05 |
| 33 14 13 53-0025 | EA | 5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 304.62 |
| 33 14 13 53-0026 | EA | 5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 319.30 |
| 33 14 13 53-0027 | EA | 6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 293.09 |
| 33 14 13 53-0028 | EA | 6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 318.92 |
| 33 14 13 53-0029 | EA | 6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 333.41 |
| 33 14 13 53-0030 | EA | 6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 482.13 |
| 33 14 13 53-0031 | EA | 6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 494.70 |
| 33 14 13 53-0032 | EA | 8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 317.00 |
| 33 14 13 53-0033 | EA | 8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 348.06 |
| 33 14 13 53-0034 | EA | 8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 361.56 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 53-0035 | EA | 8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 569.37 | |
| 33 14 13 53-0036 | EA | 10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 353.94 | |
| 33 14 13 53-0037 | EA | 10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 391.07 | |
| 33 14 13 53-0038 | EA | 10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 634.53 | |
| 33 14 13 53-0039 | EA | 12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 384.46 | |
| 33 14 13 53-0040 | EA | 12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 423.68 | |
| 33 14 13 53-0041 | EA | 12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 438.96 | |
| 33 14 13 53-0042 | EA | 12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 706.84 | |
| 33 14 13 53-0043 | EA | 14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 446.81 | |
| 33 14 13 53-0044 | EA | 14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 477.68 | |
| 33 14 13 53-0045 | EA | 14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 513.75 | |
| 33 14 13 53-0046 | EA | 14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 865.20 | |
| 33 14 13 53-0047 | EA | 15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 459.37 | |
| 33 14 13 53-0048 | EA | 15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 521.37 | |
| 33 14 13 53-0049 | EA | 15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 543.04 | |
| 33 14 13 53-0050 | EA | 15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 929.16 | |
| 33 14 13 53-0051 | EA | 16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 479.94 | |
| 33 14 13 53-0052 | EA | 16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 544.18 | |
| 33 14 13 53-0053 | EA | 16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 566.41 | |
| 33 14 13 53-0054 | EA | 16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 966.81 | |
| 33 14 13 53-0055 | EA | 18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 530.03 | |
| 33 14 13 53-0056 | EA | 18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 611.36 | |
| 33 14 13 53-0057 | EA | 20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 602.16 | |
| 33 14 13 53-0058 | EA | 20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 665.93 | |
| 33 14 13 53-0059 | EA | 24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 628.74 | |
| 33 14 13 53-0060 | EA | 24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) | 708.63 | |

### 33 14 13 53-0061 Double Bale Bronze Service Saddles *(33 14 13 53)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 53-0062 | EA | 4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 309.04 | |
| 33 14 13 53-0063 | EA | 4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 337.46 | |
| 33 14 13 53-0064 | EA | 6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 351.11 | |
| 33 14 13 53-0065 | EA | 6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 379.80 | |
| 33 14 13 53-0066 | EA | 8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 390.41 | |
| 33 14 13 53-0067 | EA | 8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 410.30 | |
| 33 14 13 53-0068 | EA | 10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 379.57 | |
| 33 14 13 53-0069 | EA | 10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 403.48 | |
| 33 14 13 53-0070 | EA | 12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 478.14 | |
| 33 14 13 53-0071 | EA | 12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 516.48 | |
| 33 14 13 53-0072 | EA | 14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 711.81 | |
| 33 14 13 53-0073 | EA | 14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 802.63 | |
| 33 14 13 53-0074 | EA | 16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 826.52 | |
| 33 14 13 53-0075 | EA | 16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) | 921.15 | |

### 33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

| | | | | |
|---|---|---|---|---|
| 33 14 13 53-0077 | EA | 4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 324.11 | |
| 33 14 13 53-0078 | EA | 4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 356.48 | |
| 33 14 13 53-0079 | EA | 6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 368.91 | |
| 33 14 13 53-0080 | EA | 6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 400.13 | |
| 33 14 13 53-0081 | EA | 8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 412.41 | |
| 33 14 13 53-0082 | EA | 8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 433.48 | |
| 33 14 13 53-0083 | EA | 10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 463.44 | |
| 33 14 13 53-0084 | EA | 10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 495.63 | |
| 33 14 13 53-0085 | EA | 12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 498.30 | |
| 33 14 13 53-0086 | EA | 12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 539.24 | |
| 33 14 13 53-0087 | EA | 14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 761.77 | |
| 33 14 13 53-0088 | EA | 14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 873.28 | |
| 33 14 13 53-0089 | EA | 16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 885.80 | |
| 33 14 13 53-0090 | EA | 16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 964.17 | |
| 33 14 13 53-0091 | EA | 18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 1,924.75 | |
| 33 14 13 53-0092 | EA | 18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 1,924.75 | |
| 33 14 13 53-0093 | EA | 20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 1,997.13 | |
| 33 14 13 53-0094 | EA | 20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 1,997.13 | |
| 33 14 13 53-0095 | EA | 24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 2,143.84 | |
| 33 14 13 53-0096 | EA | 24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) | 2,143.84 | |

### 33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve *(33 14 13 53)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 53-0098 | EA | 4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 1,430.53 | |
| 33 14 13 53-0099 | EA | 6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 1,728.12 | |
| 33 14 13 53-0100 | EA | 8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 2,064.62 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 53-0101 | EA | 8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 2,183.30 | |
| 33 14 13 53-0102 | EA | 10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 3,299.45 | |
| 33 14 13 53-0103 | EA | 10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 3,464.95 | |
| 33 14 13 53-0104 | EA | 10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 3,536.78 | |
| 33 14 13 53-0105 | EA | 12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 3,488.04 | |
| 33 14 13 53-0106 | EA | 12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 3,652.88 | |
| 33 14 13 53-0107 | EA | 12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 4,052.46 | |
| 33 14 13 53-0108 | EA | 12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 4,154.97 | |
| 33 14 13 53-0109 | EA | 14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 6,914.86 | |
| 33 14 13 53-0110 | EA | 14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 7,100.93 | |
| 33 14 13 53-0111 | EA | 14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 7,185.41 | |
| 33 14 13 53-0112 | EA | 14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 7,222.57 | |
| 33 14 13 53-0113 | EA | 14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 7,487.31 | |
| 33 14 13 53-0114 | EA | 16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 7,477.80 | |
| 33 14 13 53-0115 | EA | 16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 7,502.96 | |
| 33 14 13 53-0116 | EA | 16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 7,710.72 | |
| 33 14 13 53-0117 | EA | 16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 7,760.83 | |
| 33 14 13 53-0118 | EA | 16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 7,815.84 | |
| 33 14 13 53-0119 | EA | 16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 11,945.17 | |
| 33 14 13 53-0120 | EA | 16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 8,198.75 | |
| 33 14 13 53-0121 | EA | 18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 10,388.51 | |
| 33 14 13 53-0122 | EA | 18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 10,855.80 | |
| 33 14 13 53-0123 | EA | 18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 10,991.46 | |
| 33 14 13 53-0124 | EA | 18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 11,397.33 | |
| 33 14 13 53-0125 | EA | 20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 9,739.93 | |
| 33 14 13 53-0126 | EA | 20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 9,387.52 | |
| 33 14 13 53-0127 | EA | 20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 9,566.67 | |
| 33 14 13 53-0128 | EA | 20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 9,637.51 | |
| 33 14 13 53-0129 | EA | 20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 9,984.62 | |
| 33 14 13 53-0130 | EA | 20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 13,468.49 | |
| 33 14 13 53-0131 | EA | 20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 13,733.89 | |
| 33 14 13 53-0132 | EA | 24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 11,761.66 | |
| 33 14 13 53-0133 | EA | 24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 11,925.26 | |
| 33 14 13 53-0134 | EA | 24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 11,972.79 | |
| 33 14 13 53-0135 | EA | 24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 16,541.15 | |
| 33 14 13 53-0136 | EA | 24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 16,755.40 | |
| 33 14 13 53-0137 | EA | 24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 16,805.69 | |
| 33 14 13 53-0138 | EA | 24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 17,265.84 | |
| 33 14 13 53-0139 | EA | 24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) | 17,485.98 | |

### 33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

| | | | | |
|---|---|---|---|---|
| 33 14 13 53-0141 | EA | 4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 1,178.66 | |
| 33 14 13 53-0142 | EA | 6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 1,254.30 | |
| 33 14 13 53-0143 | EA | 6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 1,370.26 | |
| 33 14 13 53-0144 | EA | 8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 1,412.00 | |
| 33 14 13 53-0145 | EA | 8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 1,470.41 | |
| 33 14 13 53-0146 | EA | 8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 1,685.92 | |
| 33 14 13 53-0147 | EA | 10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 1,542.35 | |
| 33 14 13 53-0148 | EA | 10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 1,599.27 | |
| 33 14 13 53-0149 | EA | 10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 1,788.86 | |
| 33 14 13 53-0150 | EA | 10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 2,459.71 | |
| 33 14 13 53-0151 | EA | 12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 1,735.83 | |
| 33 14 13 53-0152 | EA | 12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 1,818.74 | |
| 33 14 13 53-0153 | EA | 12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 2,005.32 | |
| 33 14 13 53-0154 | EA | 12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 2,606.43 | |
| 33 14 13 53-0155 | EA | 12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 2,840.07 | |
| 33 14 13 53-0156 | EA | 14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 2,276.17 | |
| 33 14 13 53-0157 | EA | 14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 2,344.96 | |
| 33 14 13 53-0158 | EA | 14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 2,743.95 | |
| 33 14 13 53-0159 | EA | 14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 3,238.34 | |
| 33 14 13 53-0160 | EA | 14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 3,560.24 | |
| 33 14 13 53-0161 | EA | 16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 2,700.91 | |
| 33 14 13 53-0162 | EA | 16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 2,771.89 | |
| 33 14 13 53-0163 | EA | 16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 3,036.43 | |
| 33 14 13 53-0164 | EA | 16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 3,743.02 | |
| 33 14 13 53-0165 | EA | 16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 3,910.93 | |
| 33 14 13 53-0166 | EA | 18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 2,868.06 | |
| 33 14 13 53-0167 | EA | 18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 2,995.67 | |
| 33 14 13 53-0168 | EA | 18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 3,172.50 | |
| 33 14 13 53-0169 | EA | 18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 4,003.73 | |
| 33 14 13 53-0170 | EA | 18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 4,171.45 | |
| 33 14 13 53-0171 | EA | 20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 3,457.90 | |
| 33 14 13 53-0172 | EA | 20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 3,528.73 | |
| 33 14 13 53-0173 | EA | 20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 3,924.04 | |
| 33 14 13 53-0174 | EA | 20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 4,591.66 | |
| 33 14 13 53-0175 | EA | 20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 4,875.63 | |
| 33 14 13 53-0176 | EA | 24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 3,734.13 | |
| 33 14 13 53-0177 | EA | 24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 3,887.93 | |
| 33 14 13 53-0178 | EA | 24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 4,095.17 | |
| 33 14 13 53-0179 | EA | 24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 5,042.23 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 53-0180 | EA | 24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) | 5,217.05 | |
| **33 14 13 53-0181** | | **Stainless Steel Flange, Stainless Steel Tapping Sleeve** *(33 14 13 53)* | | |
| 33 14 13 53-0182 | EA | 4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 1,359.71 | |
| 33 14 13 53-0183 | EA | 6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 1,482.97 | |
| 33 14 13 53-0184 | EA | 6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 1,569.52 | |
| 33 14 13 53-0185 | EA | 8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 1,603.28 | |
| 33 14 13 53-0186 | EA | 8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 1,702.77 | |
| 33 14 13 53-0187 | EA | 8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 1,997.64 | |
| 33 14 13 53-0188 | EA | 10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 1,838.48 | |
| 33 14 13 53-0189 | EA | 10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 1,948.69 | |
| 33 14 13 53-0190 | EA | 10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 2,213.11 | |
| 33 14 13 53-0191 | EA | 10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 2,976.91 | |
| 33 14 13 53-0192 | EA | 12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 2,099.37 | |
| 33 14 13 53-0193 | EA | 12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 2,249.16 | |
| 33 14 13 53-0194 | EA | 12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 2,598.08 | |
| 33 14 13 53-0195 | EA | 12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 3,052.32 | |
| 33 14 13 53-0196 | EA | 12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 3,399.88 | |
| 33 14 13 53-0197 | EA | 14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 2,395.95 | |
| 33 14 13 53-0198 | EA | 14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 2,579.42 | |
| 33 14 13 53-0199 | EA | 14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 2,972.15 | |
| 33 14 13 53-0200 | EA | 14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 3,426.83 | |
| 33 14 13 53-0201 | EA | 14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 3,667.86 | |
| 33 14 13 53-0202 | EA | 16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 2,918.49 | |
| 33 14 13 53-0203 | EA | 16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 3,168.87 | |
| 33 14 13 53-0204 | EA | 16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 3,359.95 | |
| 33 14 13 53-0205 | EA | 16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 3,848.74 | |
| 33 14 13 53-0206 | EA | 16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 4,180.70 | |
| 33 14 13 53-0207 | EA | 18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 3,219.25 | |
| 33 14 13 53-0208 | EA | 18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 3,592.88 | |
| 33 14 13 53-0209 | EA | 18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 3,792.26 | |
| 33 14 13 53-0210 | EA | 18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 4,221.91 | |
| 33 14 13 53-0211 | EA | 18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 4,789.97 | |
| 33 14 13 53-0212 | EA | 20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 3,478.64 | |
| 33 14 13 53-0213 | EA | 20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 3,851.31 | |
| 33 14 13 53-0214 | EA | 20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 4,013.52 | |
| 33 14 13 53-0215 | EA | 20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 4,812.05 | |
| 33 14 13 53-0216 | EA | 20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 5,257.04 | |
| 33 14 13 53-0217 | EA | 24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 4,117.14 | |
| 33 14 13 53-0218 | EA | 24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 4,171.20 | |
| 33 14 13 53-0219 | EA | 24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 4,365.47 | |
| 33 14 13 53-0220 | EA | 24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 5,318.39 | |
| 33 14 13 53-0221 | EA | 24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) | 5,827.55 | |
| **33 14 13 53-0222** | | **Ductile Iron Body, Flanged Coupling Adapter** *(33 14 13 53)* | | |
| 33 14 13 53-0223 | EA | 3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) | 335.34 | 63.03 |
| 33 14 13 53-0224 | EA | 4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) | 420.19 | 79.47 |
| 33 14 13 53-0225 | EA | 6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) | 552.90 | 109.62 |
| 33 14 13 53-0226 | EA | 8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) | 715.57 | 128.81 |
| 33 14 13 53-0227 | EA | 10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) | 1,119.57 | 145.25 |
| 33 14 13 53-0228 | EA | 12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912) | 1,250.88 | 164.43 |
| **33 14 13 53-0229** | | **Steel Body, Flanged Coupling Adapter** *(33 14 13 53)* | | |
| 33 14 13 53-0230 | EA | 3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) | 487.20 | 63.03 |
| 33 14 13 53-0231 | EA | 4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) | 576.45 | 79.47 |
| 33 14 13 53-0232 | EA | 6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) | 769.96 | 109.62 |
| 33 14 13 53-0233 | EA | 8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) | 941.48 | 128.81 |
| 33 14 13 53-0234 | EA | 10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) | 1,148.55 | 145.25 |
| 33 14 13 53-0235 | EA | 12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) | 1,338.03 | 164.43 |
| 33 14 13 53-0236 | EA | 14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) | 1,588.61 | 180.88 |
| 33 14 13 53-0237 | EA | 16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) | 1,880.23 | 197.32 |
| 33 14 13 53-0238 | EA | 18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) | 2,219.32 | 217.05 |
| 33 14 13 53-0239 | EA | 20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913) | 2,621.32 | 238.75 |
| **33 14 13 53-0240** | | **Steel Body, Flanged-Lock Restrained Coupling Adapters** *(33 14 13 53)* | | |
| 33 14 13 53-0241 | EA | 4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) | 430.35 | 79.47 |
| 33 14 13 53-0242 | EA | 6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) | 577.97 | 109.62 |
| 33 14 13 53-0243 | EA | 8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) | 640.55 | 128.81 |
| 33 14 13 53-0244 | EA | 10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) | 932.01 | 145.25 |
| 33 14 13 53-0245 | EA | 12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) | 1,185.49 | 164.43 |
| 33 14 13 53-0246 | EA | 14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) | 1,329.38 | 180.88 |
| 33 14 13 53-0247 | EA | 16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) | 1,561.51 | 197.32 |
| 33 14 13 53-0248 | EA | 18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) | 1,752.04 | 217.05 |
| 33 14 13 53-0249 | EA | 20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) | 2,103.92 | 238.75 |
| 33 14 13 53-0250 | EA | 24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) | 2,532.52 | 262.65 |
| 33 14 13 53-0251 | EA | 30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) | 5,255.01 | 288.85 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 13 53-0252 | EA | 36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911) | 7,086.61 | 317.78 |
| **33 14 13 53-0253** | | **Ductile Iron Body, Omni Coupling System** *(33 14 13 53)* | | |
| 33 14 13 53-0254 | EA | 2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) | 152.79 | 43.84 |
| 33 14 13 53-0255 | EA | 2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) | 188.31 | 52.07 |
| 33 14 13 53-0256 | EA | 3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) | 233.01 | 63.03 |
| 33 14 13 53-0257 | EA | 4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) | 292.63 | 79.47 |
| 33 14 13 53-0258 | EA | 6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) | 390.71 | 109.62 |
| 33 14 13 53-0259 | EA | 8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) | 474.35 | 128.81 |
| 33 14 13 53-0260 | EA | 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) | 591.43 | 145.25 |
| 33 14 13 53-0261 | EA | 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) | 691.22 | 164.43 |
| 33 14 13 53-0262 | EA | 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) | 967.93 | 180.88 |
| 33 14 13 53-0263 | EA | 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441) | 1,205.30 | 197.32 |
| **33 14 13 53-0264** | | **Fabricated Coupling (Smith-Blair 411)** *(33 14 13 53)* | | |
| 33 14 13 53-0265 | EA | 4" Steel Fabricated Coupling | 503.24 | 176.56 |
| 33 14 13 53-0266 | EA | 6" Steel Fabricated Coupling | 669.24 | 220.40 |
| 33 14 13 53-0267 | EA | 8" Steel Fabricated Coupling | 776.80 | 252.06 |
| 33 14 13 53-0268 | EA | 10" Steel Fabricated Coupling | 1,093.05 | 401.84 |
| 33 14 13 53-0269 | EA | 12" Steel Fabricated Coupling | 1,237.43 | 438.36 |
| 33 14 13 53-0270 | EA | 14" Steel Fabricated Coupling | 1,550.91 | 482.20 |
| 33 14 13 53-0271 | EA | 16" Steel Fabricated Coupling | 1,874.08 | 535.77 |
| 33 14 13 53-0272 | EA | 18" Steel Fabricated Coupling | 2,020.47 | 602.75 |
| 33 14 13 53-0273 | EA | 20" Steel Fabricated Coupling | 2,392.71 | 687.99 |
| 33 14 13 53-0274 | EA | 24" Steel Fabricated Coupling | 2,903.02 | 803.67 |
| 33 14 13 53-0275 | EA | 30" Steel Fabricated Coupling | 4,023.58 | 964.40 |
| 33 14 13 53-0276 | EA | 36" Steel Fabricated Coupling | 5,135.23 | 1,205.51 |
| 33 14 13 53-0277 | EA | 42" Steel Fabricated Coupling | 5,935.05 | 1,375.97 |
| 33 14 13 53-0278 | EA | 48" Steel Fabricated Coupling | 6,990.20 | 1,607.33 |
| **33 14 13 53-0279** | | **Transition Coupling (Smith-Blair 413)** *(33 14 13 53)* | | |
| 33 14 13 53-0280 | EA | 4" Steel Transition Coupling | 640.84 | 176.56 |
| 33 14 13 53-0281 | EA | 6" Steel Transition Coupling | 891.81 | 220.40 |
| 33 14 13 53-0282 | EA | 8" Steel Transition Coupling | 1,020.63 | 252.06 |
| 33 14 13 53-0283 | EA | 10" Steel Transition Coupling | 1,433.53 | 401.84 |
| 33 14 13 53-0284 | EA | 12" Steel Transition Coupling | 1,690.08 | 438.36 |
| 33 14 13 53-0285 | EA | 14" Steel Transition Coupling | 1,913.95 | 482.20 |
| 33 14 13 53-0286 | EA | 16" Steel Transition Coupling | 2,307.82 | 535.77 |
| 33 14 13 53-0287 | EA | 18" Steel Transition Coupling | 2,917.74 | 602.75 |
| 33 14 13 53-0288 | EA | 20" Steel Transition Coupling | 3,131.97 | 687.99 |
| 33 14 13 53-0289 | EA | 24" Steel Transition Coupling | 3,785.28 | 803.67 |
| 33 14 13 53-0290 | EA | 30" Steel Transition Coupling | 5,042.09 | 964.40 |
| 33 14 13 53-0291 | EA | 36" Steel Transition Coupling | 6,000.30 | 1,205.51 |
| 33 14 13 53-0292 | EA | 42" Steel Transition Coupling | 7,161.28 | 1,375.97 |
| 33 14 13 53-0293 | EA | 48" Steel Transition Coupling | 8,006.39 | 1,607.33 |

## 33 14 19 Valves and Hydrants for Water Utility Service *(33 14)*

Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.

### 33 14 19 00-0001 Accessories For Valves *(33 14 19)*

| | | | | |
|---|---|---|---|---|
| 33 14 19 00-0002 | EA | 1' Valve Extension Stem | 109.39 | |
| | | *For Each Additional LF, Add* | *8.75* | |
| 33 14 19 00-0003 | EA | Up to 80" Long Indicator Post Telescoping Barrel Assembly<br>Note: Excludes valve. | 1,691.59 | 107.79 |
| 33 14 19 00-0004 | EA | >80" To 114" Long Indicator Post Telescoping Barrel Assembly<br>Note: Excludes valve. | 1,919.26 | 118.57 |
| 33 14 19 00-0005 | EA | Adjust Water Valve Box To Grade | 107.79 | |

### 33 14 19 00-0006 Water Utility Distribution Valves *(33 14 19)*

### 33 14 19 00-0007 Angle Valves *(33 14 19 00-0006)*

Note: For connecting meters to water service.

### 33 14 19 00-0008 Threaded, Class 150, Bronze Angle Valve *(33 14 19 00-0007)*

Note: Nibco T-335Y

| | | | | |
|---|---|---|---|---|
| 33 14 19 00-0009 | EA | 1/2" Threaded, Class 150, Bronze Angle Valve | 104.49 | 18.73 |
| 33 14 19 00-0010 | EA | 3/4" Threaded, Class 150, Bronze Angle Valve | 140.93 | 25.17 |
| 33 14 19 00-0011 | EA | 1" Threaded, Class 150, Bronze Angle Valve | 189.78 | 31.02 |
| 33 14 19 00-0012 | EA | 1-1/4" Threaded, Class 150, Bronze Angle Valve | 244.34 | 38.98 |
| 33 14 19 00-0013 | EA | 1-1/2" Threaded, Class 150, Bronze Angle Valve | 305.06 | 45.06 |
| 33 14 19 00-0014 | EA | 2" Threaded, Class 150, Bronze Angle Valve | 454.90 | 52.68 |
| 33 14 19 00-0015 | EA | 2-1/2" Threaded, Class 150, Bronze Angle Valve | 728.42 | 71.90 |
| 33 14 19 00-0016 | EA | 3" Threaded, Class 150, Bronze Angle Valve | 1,105.37 | 83.00 |

### 33 14 19 00-0017 Butterfly Valves *(33 14 19 00-0006)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0018 | | **Lug Type Flanged, Cast Iron Disc, Butterfly Valves** *(33 14 19 00-0017)*<br>Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin | | |
| 33 14 19 00-0019 | EA | 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified) | 2,125.99 | 199.00 |
| 33 14 19 00-0020 | EA | 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified) | 2,380.24 | 199.00 |
| 33 14 19 00-0021 | EA | 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified) | 2,387.10 | 307.97 |
| 33 14 19 00-0022 | EA | 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified) | 2,639.18 | 307.97 |
| 33 14 19 00-0023 | EA | 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified) | 2,758.46 | 380.02 |
| 33 14 19 00-0024 | EA | 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified) | 3,010.54 | 380.02 |
| 33 14 19 00-0025 | EA | 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified) | 3,115.28 | 485.58 |
| 33 14 19 00-0026 | EA | 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified) | 3,365.91 | 485.58 |
| 33 14 19 00-0027 | EA | 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified) | 3,907.27 | 591.14 |
| 33 14 19 00-0028 | EA | 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8) | 3,907.27 | 591.14 |
| 33 14 19 00-0029 | EA | 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified) | 4,471.09 | 716.51 |
| 33 14 19 00-0030 | EA | 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified) | 4,723.16 | 716.51 |
| 33 14 19 00-0031 | EA | 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified) | 6,001.86 | 1,017.44 |
| 33 14 19 00-0032 | EA | 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified) | 6,661.03 | 1,017.44 |
| 33 14 19 00-0033 | EA | 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified) | 6,993.94 | 1,119.19 |
| 33 14 19 00-0034 | EA | 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified) | 7,802.32 | 1,119.19 |
| 33 14 19 00-0035 | EA | 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified) | 8,774.92 | 1,241.28 |
| 33 14 19 00-0036 | EA | 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,1BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified) | 9,631.11 | 1,241.28 |
| 33 14 19 00-0037 | EA | 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified) | 10,057.13 | 1,398.99 |
| 33 14 19 00-0038 | EA | 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified) | 10,911.87 | 1,398.99 |
| 33 14 19 00-0039 | | **Lug Type Flanged, Ductile Iron Disc, Butterfly Valves** *(33 14 19 00-0017)*<br>Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin | | |
| 33 14 19 00-0040 | EA | 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified) | 17,270.74 | 1,716.94 |
| 33 14 19 00-0041 | EA | 24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified) | 27,867.91 | 1,716.94 |
| 33 14 19 00-0042 | EA | 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified) | 17,218.37 | 1,716.94 |
| 33 14 19 00-0043 | EA | 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified) | 28,294.09 | 2,717.75 |
| 33 14 19 00-0044 | EA | 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified) | 56,059.75 | 3,623.67 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0045 | EA | 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified) | 66,212.69 | 5,435.51 |
| 33 14 19 00-0046 | EA | 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified) | 84,004.14 | 6,794.38 |
| 33 14 19 00-0047 | EA | 54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified) | 117,456.65 | 8,153.25 |
| 33 14 19 00-0048 | EA | 60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified) | 147,209.39 | 9,783.90 |
| 33 14 19 00-0049 | EA | 72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified) | 211,379.14 | 11,740.68 |
| 33 14 19 00-0050 | LF | 3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel | 19.00 | |
| 33 14 19 00-0051 | EA | 316 Stainless Steel Closing Link For Use With DeZurik Chainwheel<br>Note: One required per valve. | 10.00 | |

### 33 14 19 00-0052 Lug Type Flanged, Butterfly Valve, Cast Iron Body, Cast Iron Disc With 316 Stainless Steel Edge *(33 14 19 00-0017)*

Note: AWWA C-504.

### 33 14 19 00-0053 Aboveground Service *(33 14 19 00-0052)*

### 33 14 19 00-0054 Valve *(33 14 19 00-0053)*

| | | | | |
|---|---|---|---|---|
| 33 14 19 00-0055 | EA | 3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504 | 1,983.58 | 183.25 |
| 33 14 19 00-0056 | EA | 4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504 | 2,154.55 | 307.20 |
| 33 14 19 00-0057 | EA | 6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 | 2,849.81 | 380.02 |
| 33 14 19 00-0058 | EA | 8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 | 3,349.63 | 485.58 |
| 33 14 19 00-0059 | EA | 10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 | 4,845.78 | 591.14 |
| 33 14 19 00-0060 | EA | 12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 | 5,115.04 | 717.80 |
| 33 14 19 00-0061 | EA | 14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 | 8,273.41 | 1,017.44 |
| 33 14 19 00-0062 | EA | 16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 | 9,658.75 | 1,119.19 |
| 33 14 19 00-0063 | EA | 18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 | 11,956.47 | 1,030.26 |
| 33 14 19 00-0064 | EA | 20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 | 14,316.21 | 1,161.15 |
| 33 14 19 00-0065 | EA | 24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 | 19,737.98 | 1,425.06 |

### 33 14 19 00-0066 Valve With 120 Volt AC Electric Motor Operator *(33 14 19 00-0053)*

| | | | | |
|---|---|---|---|---|
| 33 14 19 00-0067 | EA | 3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator | 14,498.52 | 183.25 |
| 33 14 19 00-0068 | EA | 4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator | 14,689.95 | 307.20 |
| 33 14 19 00-0069 | EA | 6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator | 14,807.28 | 380.02 |
| 33 14 19 00-0070 | EA | 8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator | 15,261.07 | 485.58 |
| 33 14 19 00-0071 | EA | 10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator | 16,066.78 | 591.14 |
| 33 14 19 00-0072 | EA | 12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator | 18,427.82 | 717.80 |
| 33 14 19 00-0073 | EA | 14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator | 19,780.81 | 1,017.44 |
| 33 14 19 00-0074 | EA | 16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator | 21,575.30 | 1,119.19 |
| 33 14 19 00-0075 | EA | 18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator | 30,621.86 | 1,241.28 |
| 33 14 19 00-0076 | EA | 20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator | 33,580.76 | 1,398.99 |

### 33 14 19 00-0077 Valve With Pneumatic Or Hydraulic Motor Operator *(33 14 19 00-0053)*

| | | | | |
|---|---|---|---|---|
| 33 14 19 00-0078 | EA | 3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator | 6,279.68 | 183.25 |
| 33 14 19 00-0079 | EA | 4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator | 6,471.11 | 307.20 |
| 33 14 19 00-0080 | EA | 6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator | 6,746.98 | 380.02 |
| 33 14 19 00-0081 | EA | 8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator | 7,195.66 | 485.58 |
| 33 14 19 00-0082 | EA | 10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator | 9,883.47 | 591.14 |
| 33 14 19 00-0083 | EA | 12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator | 10,582.33 | 717.80 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0084 | EA | 14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator | 11,725.63 | 1,017.44 |
| 33 14 19 00-0085 | EA | 16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator | 13,172.34 | 1,119.19 |
| 33 14 19 00-0086 | EA | 18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator | 14,209.75 | 1,241.28 |
| 33 14 19 00-0087 | EA | 20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator | 20,385.60 | 1,398.99 |
| 33 14 19 00-0088 | EA | 24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator | 33,500.83 | 1,425.06 |
| **33 14 19 00-0089** | | **Buried Service** *(33 14 19 00-0052)* | | |
| 33 14 19 00-0090 | EA | 4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, Buried Service | 3,893.45 | 307.20 |
| 33 14 19 00-0091 | EA | 6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service | 4,138.64 | 380.02 |
| 33 14 19 00-0092 | EA | 8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service | 5,543.71 | 485.58 |
| 33 14 19 00-0093 | EA | 10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service | 8,298.00 | 591.14 |
| 33 14 19 00-0094 | EA | 12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service | 8,669.55 | 717.80 |
| 33 14 19 00-0095 | EA | 14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service | 14,057.80 | 1,017.44 |
| 33 14 19 00-0096 | EA | 16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service | 16,609.22 | 1,119.19 |
| 33 14 19 00-0097 | EA | 18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service | 21,047.70 | 1,241.28 |
| 33 14 19 00-0098 | EA | 20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service | 24,712.39 | 1,398.99 |
| 33 14 19 00-0099 | EA | 24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service | 35,676.17 | 1,716.94 |
| **33 14 19 00-0100** | | **Ductile Iron, Flanged End, Short-Body Type, Class 150, Butterfly Valves (Henry Pratt, Mueller)** *(33 14 19 00-0017)*<br>Note: Shall confrom to AWWA C504 | | |
| 33 14 19 00-0101 | EA | 6" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve | 1,345.01 | 388.05 |
| 33 14 19 00-0102 | EA | 8" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve | 1,715.63 | 485.58 |
| 33 14 19 00-0103 | EA | 10" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve | 2,272.52 | 591.14 |
| 33 14 19 00-0104 | EA | 12" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve | 2,732.92 | 717.80 |
| 33 14 19 00-0105 | EA | 14" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve | 4,277.96 | 1,017.44 |
| 33 14 19 00-0106 | EA | 16" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve | 4,975.85 | 1,119.19 |
| 33 14 19 00-0107 | EA | 18" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve | 5,568.71 | 1,241.28 |
| 33 14 19 00-0108 | EA | 20" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve | 7,160.57 | 1,398.99 |
| 33 14 19 00-0109 | EA | 24" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve | 9,650.10 | 1,716.94 |
| 33 14 19 00-0110 | EA | 30" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve | 16,988.20 | 2,717.75 |
| **33 14 19 00-0111** | | **Ductile Iron, Flanged End, Short-Body Type, Class 250, Butterfly Valves (Henry Pratt, Mueller)** *(33 14 19 00-0017)*<br>Note: Shall confrom to AWWA C504 | | |
| 33 14 19 00-0112 | EA | 6" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve | 3,243.94 | 388.05 |
| 33 14 19 00-0113 | EA | 8" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve | 3,671.88 | 485.58 |
| 33 14 19 00-0114 | EA | 10" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve | 4,176.07 | 591.14 |
| 33 14 19 00-0115 | EA | 12" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve | 5,168.36 | 717.80 |
| 33 14 19 00-0116 | EA | 14" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve | 6,460.08 | 1,017.44 |
| 33 14 19 00-0117 | EA | 16" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve | 6,816.16 | 1,119.19 |
| 33 14 19 00-0118 | EA | 18" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve | 9,030.71 | 1,241.28 |
| 33 14 19 00-0119 | EA | 20" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve | 13,193.09 | 1,398.99 |
| 33 14 19 00-0120 | EA | 24" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve | 19,538.44 | 1,716.94 |
| 33 14 19 00-0121 | EA | 30" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve | 25,719.08 | 2,717.75 |
| **33 14 19 00-0122** | | **Check Valves** *(33 14 19 00-0006)* | | |
| **33 14 19 00-0123** | | **Flanged, Swing Type Gravity Operated Check Valves** *(33 14 19 00-0122)*<br>Note: AWWA C508. Bronze disc facing. Mueller A-2600-6. | | |
| 33 14 19 00-0124 | EA | 2-1/2" Flanged, Swing Type Gravity Operated Check Valve | 1,798.68 | 156.29 |
| 33 14 19 00-0125 | EA | 3" Flanged, Swing Type Gravity Operated Check Valve | 1,832.04 | 183.25 |
| 33 14 19 00-0126 | EA | 4" Flanged, Swing Type Gravity Operated Check Valve | 2,439.02 | 231.75 |
| 33 14 19 00-0127 | EA | 4" x 6" Flanged, Swing Type Gravity Operated Check Valve | 3,531.28 | 348.70 |
| 33 14 19 00-0128 | EA | 4" x 8" Flanged, Swing Type Gravity Operated Check Valve | 3,645.24 | 389.44 |
| 33 14 19 00-0129 | EA | 6" Flanged, Swing Type Gravity Operated Check Valve | 3,460.30 | 388.05 |
| 33 14 19 00-0130 | EA | 6" x 8" Flanged, Swing Type Gravity Operated Check Valve | 4,578.35 | 441.09 |
| 33 14 19 00-0131 | EA | 6" x 10" Flanged, Swing Type Gravity Operated Check Valve | 4,751.20 | 495.84 |
| 33 14 19 00-0132 | EA | 8" Flanged, Swing Type Gravity Operated Check Valve | 4,968.25 | 495.84 |
| 33 14 19 00-0133 | EA | 10" Flanged, Swing Type Gravity Operated Check Valve | 8,563.81 | 603.63 |
| 33 14 19 00-0134 | EA | 12" Flanged, Swing Type Gravity Operated Check Valve | 13,129.74 | 452.72 |
| 33 14 19 00-0135 | EA | 14" Flanged, Swing Type Gravity Operated Check Valve | 18,561.80 | 1,017.44 |
| 33 14 19 00-0136 | EA | 16" Flanged, Swing Type Gravity Operated Check Valve | 24,832.51 | 1,119.19 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0137 | EA | 18" Flanged, Swing Type Gravity Operated Check Valve | 36,259.26 | 1,241.28 |
| 33 14 19 00-0138 | EA | 20" Flanged, Swing Type Gravity Operated Check Valve | 42,243.58 | 1,398.99 |
| **33 14 19 00-0139** | | **Threaded, Bronze, Swing Type Check Valves** *(33 14 19 00-0122)* | | |
| | | Note: Class 125. Watts WCV-2, Nibco T-413. | | |
| 33 14 19 00-0140 | EA | 1/4" Threaded, Bronze, Swing Type Check Valve | 52.15 | 18.85 |
| 33 14 19 00-0141 | EA | 3/8" Threaded, Bronze, Swing Type Check Valve | 53.93 | 18.85 |
| 33 14 19 00-0142 | EA | 1/2" Threaded, Bronze, Swing Type Check Valve | 50.96 | 18.85 |
| 33 14 19 00-0143 | EA | 3/4" Threaded, Bronze, Swing Type Check Valve | 67.74 | 25.46 |
| 33 14 19 00-0144 | EA | 1" Threaded, Bronze, Swing Type Check Valve | 78.97 | 30.79 |
| 33 14 19 00-0145 | EA | 1-1/4" Threaded, Bronze, Swing Type Check Valve | 111.34 | 38.98 |
| 33 14 19 00-0146 | EA | 1-1/2" Threaded, Bronze, Swing Type Check Valve | 135.52 | 45.06 |
| 33 14 19 00-0147 | EA | 2" Threaded, Bronze, Swing Type Check Valve | 176.65 | 52.68 |
| 33 14 19 00-0148 | EA | 2-1/2" Threaded, Bronze, Swing Type Check Valve | 262.37 | 71.90 |
| **33 14 19 00-0149** | | **Flanged, Rubber Flapper Swing Check Valve (APCO CRF)** *(33 14 19 00-0122)* | | |
| 33 14 19 00-0150 | EA | 2-1/2" Flanged, Rubber Flapper Swing Check Valve | 5,518.09 | 156.29 |
| 33 14 19 00-0151 | EA | 3" Flanged, Rubber Flapper Swing Check Valve | 5,786.93 | 183.25 |
| 33 14 19 00-0152 | EA | 4" Flanged, Rubber Flapper Swing Check Valve | 6,864.55 | 231.75 |
| 33 14 19 00-0153 | EA | 6" Flanged, Rubber Flapper Swing Check Valve | 7,645.75 | 388.05 |
| 33 14 19 00-0154 | EA | 8" Flanged, Rubber Flapper Swing Check Valve | 9,941.43 | 495.84 |
| 33 14 19 00-0155 | EA | 10" Flanged, Rubber Flapper Swing Check Valve | 13,942.04 | 603.63 |
| 33 14 19 00-0156 | EA | 12" Flanged, Rubber Flapper Swing Check Valve | 24,642.99 | 452.72 |
| 33 14 19 00-0157 | EA | 14" Flanged, Rubber Flapper Swing Check Valve | 28,212.03 | 1,017.44 |
| 33 14 19 00-0158 | EA | 16" Flanged, Rubber Flapper Swing Check Valve | 36,063.33 | 1,119.19 |
| 33 14 19 00-0159 | EA | 18" Flanged, Rubber Flapper Swing Check Valve | 53,359.79 | 1,241.28 |
| 33 14 19 00-0160 | EA | 20" Flanged, Rubber Flapper Swing Check Valve | 59,679.65 | 1,398.99 |
| **33 14 19 00-0161** | | **Combination Air Release Valves** *(33 14 19 00-0006)* | | |
| 33 14 19 00-0162 | EA | 1" Combination Air Release Valve | 627.82 | 22.63 |
| 33 14 19 00-0163 | EA | 2" Combination Air Release Valve | 1,013.07 | 38.80 |
| **33 14 19 00-0164** | | **Corporation Stop And Curb Valve** *(33 14 19 00-0006)* | | |
| | | Note: AWWA C800 | | |
| **33 14 19 00-0165** | | **Ball Corporation Valves** *(33 14 19 00-0164)* | | |
| | | Note: Mueller B-25000. | | |
| 33 14 19 00-0166 | EA | 3/4" Ball Corporation Valve (Mueller B-25000) | 81.91 | 22.63 |
| 33 14 19 00-0167 | EA | 1" Ball Corporation Valve (Mueller B-25000) | 102.78 | 28.02 |
| 33 14 19 00-0168 | EA | 1-1/2" Ball Corporation Valve (Mueller B-25000) | 181.79 | 40.96 |
| 33 14 19 00-0169 | EA | 2" Ball Corporation Valve (Mueller B-25000) | 270.65 | 48.50 |
| **33 14 19 00-0170** | | **Ground Key Corporation Valves** *(33 14 19 00-0164)* | | |
| | | Note: Mueller B-15000. | | |
| 33 14 19 00-0171 | EA | 1/2" Ground Key Corporation Valve | 62.13 | 19.40 |
| 33 14 19 00-0172 | EA | 3/4" Ground Key Corporation Valve | 68.91 | 22.63 |
| 33 14 19 00-0173 | EA | 1" Ground Key Corporation Valve | 93.21 | 28.02 |
| 33 14 19 00-0174 | EA | 1-1/4" Ground Key Corporation Valve | 168.66 | 34.49 |
| 33 14 19 00-0175 | EA | 1-1/2" Ground Key Corporation Valve | 177.01 | 40.96 |
| 33 14 19 00-0176 | EA | 2" Ground Key Corporation Valve | 270.59 | 48.50 |
| **33 14 19 00-0177** | | **Ball Curb Valves** *(33 14 19 00-0164)* | | |
| | | Note: Mueller B-25204. | | |
| 33 14 19 00-0178 | EA | 3/4" Ball Curb Valve | 97.85 | 22.63 |
| 33 14 19 00-0179 | EA | 1" Ball Curb Valve | 129.76 | 28.02 |
| 33 14 19 00-0180 | EA | 1-1/2" Ball Curb Valve | 244.24 | 40.96 |
| 33 14 19 00-0181 | EA | 2" Ball Curb Valve | 362.10 | 48.50 |
| **33 14 19 00-0182** | | **O Ring Seal Curb Valves** *(33 14 19 00-0164)* | | |
| | | Note: Mueller H-15204. | | |
| 33 14 19 00-0183 | EA | 3/4" O Ring Seal Curb Valve | 97.85 | 22.63 |
| 33 14 19 00-0184 | EA | 1" O Ring Seal Curb Valve | 137.00 | 28.02 |
| 33 14 19 00-0185 | EA | 1-1/4" O Ring Seal Curb Valve | 183.04 | 34.49 |
| 33 14 19 00-0186 | EA | 1-1/2" O Ring Seal Curb Valve | 244.24 | 40.96 |
| 33 14 19 00-0187 | EA | 2" O Ring Seal Curb Valve | 362.02 | 48.50 |
| **33 14 19 00-0188** | | **Corporation Stops** *(33 14 19 00-0164)* | | |
| 33 14 19 00-0189 | EA | 1" Bronze Corporatopn Stop, Flare x MIP (Mueller B-24025N) | 186.99 | 30.44 |
| 33 14 19 00-0190 | EA | 1-1/2" Bronze Corporatopn Stop, Flare x MIP (Mueller B-24025N) | 399.64 | 44.48 |
| 33 14 19 00-0191 | EA | 2" Bronze Corporatopn Stop, Flare x MIP (Mueller B-24025N) | 626.78 | 52.68 |
| 33 14 19 00-0192 | EA | 1" Bronze Corporatopn Stop, Compression x MIP (Mueller B-25028N) | 194.02 | 30.44 |
| 33 14 19 00-0193 | EA | 1-1/2" Bronze Corporatopn Stop, Compression x MIP (Mueller B-25028N) | 396.05 | 44.48 |
| 33 14 19 00-0194 | EA | 2" Bronze Corporatopn Stop, Compression x MIP (Mueller B-25028N) | 620.24 | 52.68 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0195 | EA | 1" Bronze Corporatopn Stop, MIP x MIP (Mueller B-20013N) | 193.00 | 30.44 |
| 33 14 19 00-0196 | EA | 1-1/2" Bronze Corporatopn Stop, MIP x MIP (Mueller B-22969N) | 347.67 | 44.48 |
| 33 14 19 00-0197 | EA | 2" Bronze Corporatopn Stop, MIP x MIP (Mueller B-22969N) | 553.62 | 52.68 |
| 33 14 19 00-0198 | | Gate Valve, AWWA C500 And C509 *(33 14 19 00-0006)* | | |
| 33 14 19 00-0199 | | Gate Valve, Flanged *(33 14 19 00-0198)* | | |
| | | Note: Mueller A-2380-6. | | |
| 33 14 19 00-0200 | EA | 2" Gate Valve, Flanged | 1,083.88 | 143.68 |
| 33 14 19 00-0201 | EA | 2-1/2" Gate Valve, Flanged | 1,275.68 | 156.29 |
| 33 14 19 00-0202 | EA | 3" Gate Valve, Flanged | 1,510.65 | 183.25 |
| 33 14 19 00-0203 | EA | 4" Gate Valve, Flanged | 1,891.01 | 229.59 |
| 33 14 19 00-0204 | EA | 6" Gate Valve, Flanged | 2,400.85 | 388.05 |
| 33 14 19 00-0205 | EA | 8" Gate Valve, Flanged | 3,607.00 | 495.84 |
| 33 14 19 00-0206 | EA | 10" Gate Valve, Flanged | 5,507.65 | 603.63 |
| 33 14 19 00-0207 | EA | 12" Gate Valve, Flanged | 6,644.16 | 452.72 |
| 33 14 19 00-0208 | EA | 14" Gate Valve, Flanged | 14,977.32 | 1,017.44 |
| 33 14 19 00-0209 | EA | 16" Gate Valve, Flanged | 19,713.61 | 1,119.19 |
| 33 14 19 00-0210 | EA | 18" Gate Valve, Flanged | 31,529.46 | 1,241.28 |
| 33 14 19 00-0211 | EA | 20" Gate Valve, Flanged | 37,752.73 | 1,398.99 |
| 33 14 19 00-0212 | | Resilient Wedge Gate Valve, Flanged *(33 14 19 00-0198)* | | |
| | | Note: Mueller A-2360-6. | | |
| 33 14 19 00-0213 | EA | 2" Resilient Wedge Gate Valve, Flanged | 1,032.73 | 143.68 |
| 33 14 19 00-0214 | EA | 2-1/2" Resilient Wedge Gate Valve, Flanged | 1,214.56 | 156.29 |
| 33 14 19 00-0215 | EA | 3" Resilient Wedge Gate Valve, Flanged | 1,438.13 | 183.25 |
| 33 14 19 00-0216 | EA | 4" Resilient Wedge Gate Valve, Flanged | 1,809.94 | 229.59 |
| 33 14 19 00-0217 | EA | 6" Resilient Wedge Gate Valve, Flanged | 2,292.48 | 388.05 |
| 33 14 19 00-0218 | EA | 8" Resilient Wedge Gate Valve, Flanged | 3,437.72 | 495.84 |
| 33 14 19 00-0219 | EA | 10" Resilient Wedge Gate Valve, Flanged | 5,238.63 | 603.63 |
| 33 14 19 00-0220 | EA | 12" Resilient Wedge Gate Valve, Flanged | 6,319.35 | 452.72 |
| 33 14 19 00-0221 | | Gate Valve, Mechanical Joint *(33 14 19 00-0198)* | | |
| | | Note: Mueller A-2380-20. | | |
| 33 14 19 00-0222 | EA | 2" Gate Valve, Mechanical Joint | 1,261.22 | 114.80 |
| 33 14 19 00-0223 | EA | 2-1/2" Gate Valve, Mechanical Joint | 1,346.69 | 143.90 |
| 33 14 19 00-0224 | EA | 3" Gate Valve, Mechanical Joint | 1,698.87 | 174.08 |
| 33 14 19 00-0225 | EA | 4" Gate Valve, Mechanical Joint | 2,004.19 | 229.59 |
| 33 14 19 00-0226 | EA | 6" Gate Valve, Mechanical Joint | 2,538.89 | 269.48 |
| 33 14 19 00-0227 | EA | 8" Gate Valve, Mechanical Joint | 3,758.09 | 323.37 |
| 33 14 19 00-0228 | EA | 10" Gate Valve, Mechanical Joint | 5,589.73 | 377.27 |
| 33 14 19 00-0229 | EA | 12" Gate Valve, Mechanical Joint | 7,016.95 | 452.72 |
| 33 14 19 00-0230 | EA | 14" Gate Valve, Mechanical Joint | 15,968.63 | 623.18 |
| 33 14 19 00-0231 | EA | 16" Gate Valve, Mechanical Joint | 20,755.20 | 699.49 |
| 33 14 19 00-0232 | EA | 18" Gate Valve, Mechanical Joint | 33,392.16 | 775.80 |
| 33 14 19 00-0233 | EA | 20" Gate Valve, Mechanical Joint | 39,765.75 | 874.36 |
| 33 14 19 00-0234 | | Resilient Wedge Gate Valve, Mechanical Joint *(33 14 19 00-0198)* | | |
| | | Note: Mueller A-2360-20. | | |
| 33 14 19 00-0235 | EA | 2" Resilient Wedge Gate Valve, Mechanical Joint | 1,202.81 | 114.80 |
| 33 14 19 00-0236 | EA | 3" Resilient Wedge Gate Valve, Mechanical Joint | 1,622.41 | 174.08 |
| 33 14 19 00-0237 | EA | 4" Resilient Wedge Gate Valve, Mechanical Joint | 1,916.73 | 229.59 |
| 33 14 19 00-0238 | EA | 6" Resilient Wedge Gate Valve, Mechanical Joint | 2,425.70 | 269.48 |
| 33 14 19 00-0239 | EA | 8" Resilient Wedge Gate Valve, Mechanical Joint | 3,582.00 | 323.37 |
| 33 14 19 00-0240 | EA | 10" Resilient Wedge Gate Valve, Mechanical Joint | 5,316.06 | 377.27 |
| 33 14 19 00-0241 | EA | 12" Resilient Wedge Gate Valve, Mechanical Joint | 6,670.96 | 452.72 |
| 33 14 19 00-0242 | | Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint *(33 14 19 00-0198)* | | |
| | | Note: Mueller A-2361. | | |
| 33 14 19 00-0243 | EA | 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint | 10,587.17 | 1,017.44 |
| 33 14 19 00-0244 | EA | 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint | 11,505.56 | 1,119.19 |
| 33 14 19 00-0245 | EA | 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint | 18,091.58 | 1,241.28 |
| 33 14 19 00-0246 | EA | 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint | 21,618.17 | 1,398.99 |
| 33 14 19 00-0247 | EA | 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint | 30,786.80 | 1,716.94 |
| 33 14 19 00-0248 | | Gate Valve, Threaded, WW-V-51 Class A, Type 1 *(33 14 19 00-0198)* | | |
| | | Note: NIBCO T-113. | | |
| 33 14 19 00-0249 | EA | 1/4" Gate Valve, Bronze, Threaded | 61.00 | 18.85 |
| 33 14 19 00-0250 | EA | 3/8" Gate Valve, Bronze, Threaded | 62.78 | 18.85 |
| 33 14 19 00-0251 | EA | 1/2" Gate Valve, Bronze, Threaded | 62.12 | 18.85 |
| 33 14 19 00-0252 | EA | 3/4" Gate Valve, Bronze, Threaded | 79.92 | 25.46 |
| 33 14 19 00-0253 | EA | 1" Gate Valve, Bronze, Threaded | 98.58 | 30.79 |
| 33 14 19 00-0254 | EA | 1-1/4" Gate Valve, Bronze, Threaded | 134.18 | 38.98 |
| 33 14 19 00-0255 | EA | 1-1/2" Gate Valve, Bronze, Threaded | 155.71 | 45.06 |
| 33 14 19 00-0256 | EA | 2" Gate Valve, Bronze, Threaded | 189.03 | 52.68 |
| 33 14 19 00-0257 | EA | 2-1/2" Gate Valve, Bronze, Threaded | 366.16 | 71.90 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0258 | EA | 3" Gate Valve, Bronze, Threaded | 439.11 | 82.46 |
| **33 14 19 00-0259** | | **Cast Iron Body, Gate Valve, Epoxy Lined, Flanged, 200 Lb. With Non-Rising Stem** *(33 14 19 00-0198)* Note: Resilient Wedge, Non-rising Stem, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11 (Jenkins G-700, 701). | | |
| 33 14 19 00-0260 | EA | 2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 623.42 | 156.04 |
| 33 14 19 00-0261 | EA | 2-1/2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 645.28 | 156.29 |
| 33 14 19 00-0262 | EA | 3" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 727.48 | 183.25 |
| 33 14 19 00-0263 | EA | 4" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 925.92 | 307.20 |
| 33 14 19 00-0264 | EA | 5" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 1,168.45 | 342.01 |
| 33 14 19 00-0265 | EA | 6" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 1,429.80 | 380.02 |
| 33 14 19 00-0266 | EA | 8" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 2,113.02 | 485.58 |
| 33 14 19 00-0267 | EA | 10" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 2,989.26 | 591.14 |
| 33 14 19 00-0268 | EA | 12" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 3,519.35 | 717.80 |
| **33 14 19 00-0269** | | **Cast Iron Body, Gate Valve, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem** *(33 14 19 00-0198)* Note: Resilient Wedge, OS&Y, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11. | | |
| 33 14 19 00-0270 | EA | 2-1/2" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 1,019.40 | 156.29 |
| 33 14 19 00-0271 | EA | 3" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 1,134.59 | 183.25 |
| 33 14 19 00-0272 | EA | 4" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 1,576.63 | 307.20 |
| 33 14 19 00-0273 | EA | 6" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 2,409.97 | 380.02 |
| 33 14 19 00-0274 | EA | 8" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 3,876.42 | 485.58 |
| 33 14 19 00-0275 | EA | 10" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 5,924.92 | 591.14 |
| 33 14 19 00-0276 | EA | 12" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem | 9,707.77 | 717.80 |
| **33 14 19 00-0277** | | **Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve** *(33 14 19 00-0198)* | | |
| 33 14 19 00-0278 | EA | 4", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve | 1,396.82 | 229.59 |
| 33 14 19 00-0279 | EA | 6", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve | 1,792.38 | 269.48 |
| 33 14 19 00-0280 | EA | 8", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve | 2,605.46 | 323.37 |
| 33 14 19 00-0281 | EA | 10", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve | 3,867.15 | 377.27 |
| 33 14 19 00-0282 | EA | 12", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve | 4,663.47 | 452.72 |
| 33 14 19 00-0283 | EA | 14", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve | 17,858.83 | 699.49 |
| 33 14 19 00-0284 | EA | 16", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve | 19,418.64 | 1,119.19 |
| **33 14 19 00-0285** | | **Ductile Iron Body, Gate Valve (J & S Valve)** *(33 14 19 00-0198)* | | |
| 33 14 19 00-0286 | EA | 3" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6603.5) | 1,071.36 | 174.62 |
| 33 14 19 00-0287 | EA | 3" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6603T.5) | 1,071.36 | 174.62 |
| 33 14 19 00-0288 | EA | 4" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6604.5) | 1,485.73 | 229.59 |
| 33 14 19 00-0289 | EA | 4" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6604T) | 1,485.73 | 229.59 |
| 33 14 19 00-0290 | EA | 6" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6606.5) | 1,882.90 | 269.48 |
| 33 14 19 00-0291 | EA | 6" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6606T) | 1,882.90 | 269.48 |
| 33 14 19 00-0292 | EA | 8" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6608.5) | 2,868.58 | 323.37 |
| 33 14 19 00-0293 | EA | 8" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6608T) | 2,868.58 | 323.37 |
| 33 14 19 00-0294 | EA | 10" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6610.5) | 4,173.68 | 377.27 |
| 33 14 19 00-0295 | EA | 10" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6610T) | 4,173.68 | 377.27 |
| 33 14 19 00-0296 | EA | 12" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6612.5) | 5,329.05 | 452.72 |
| 33 14 19 00-0297 | EA | 12" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV- 6612T) | 5,329.05 | 452.72 |
| 33 14 19 00-0298 | EA | 3" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6803.5) | 972.26 | 199.00 |
| 33 14 19 00-0299 | EA | 4" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6804.5) | 1,525.20 | 249.33 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0300 | EA | 6" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6806.5) | 1,929.23 | 292.64 |
| 33 14 19 00-0301 | EA | 8" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6808.5) | 2,924.17 | 351.17 |
| 33 14 19 00-0302 | EA | 10" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6810.5) | 4,238.54 | 409.69 |
| 33 14 19 00-0303 | EA | 12" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6812.5) | 5,406.86 | 491.64 |
| 33 14 19 00-0304 | EA | 3" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6903.5) | 952.55 | 183.25 |
| 33 14 19 00-0305 | EA | 4" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6904.5) | 1,485.73 | 229.59 |
| 33 14 19 00-0306 | EA | 6" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6906.5) | 1,882.90 | 269.48 |
| 33 14 19 00-0307 | EA | 8" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6908.5) | 2,868.58 | 323.37 |
| 33 14 19 00-0308 | EA | 10" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6910.5) | 4,173.68 | 377.27 |
| 33 14 19 00-0309 | EA | 12" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6912.5) | 5,329.05 | 452.72 |
| 33 14 19 00-0310 | EA | 2" Threaded, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6302) | 829.62 | 52.68 |
| 33 14 19 00-0311 | EA | 2-1/2" Threaded, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6302.5) | 879.27 | 78.43 |
| 33 14 19 00-0312 | EA | 3" Threaded, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6303) | 903.29 | 90.13 |
| 33 14 19 00-0313 | EA | 4" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6404) | 1,411.52 | 307.20 |
| 33 14 19 00-0314 | EA | 6" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6406) | 1,820.67 | 380.02 |
| 33 14 19 00-0315 | EA | 8" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6408) | 2,825.04 | 485.58 |
| 33 14 19 00-0316 | EA | 10" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6410) | 4,158.07 | 591.14 |
| 33 14 19 00-0317 | EA | 12" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6412) | 5,319.26 | 717.80 |
| 33 14 19 00-0318 | EA | 4" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6504) | 1,403.54 | 300.85 |
| 33 14 19 00-0319 | EA | 6" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6506) | 1,820.67 | 380.02 |
| 33 14 19 00-0320 | EA | 8" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6508) | 2,825.04 | 485.58 |
| 33 14 19 00-0321 | EA | 10" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6510) | 4,158.07 | 591.14 |
| 33 14 19 00-0322 | EA | 12" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6512) | 5,319.26 | 717.80 |
| 33 14 19 00-0323 | EA | 2" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6602) | 677.24 | 155.68 |
| 33 14 19 00-0324 | EA | 3" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6603) | 972.26 | 199.00 |
| 33 14 19 00-0325 | EA | 3" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6603T) | 952.55 | 183.25 |
| 33 14 19 00-0326 | EA | 4" Non-Rising Stem (NRS), Flange x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6604) | 1,485.73 | 229.59 |
| 33 14 19 00-0327 | EA | 4" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6604T) | 1,485.73 | 229.59 |
| 33 14 19 00-0328 | EA | 6" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6606) | 1,882.90 | 269.48 |
| 33 14 19 00-0329 | EA | 6" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6606T) | 1,882.90 | 269.48 |
| 33 14 19 00-0330 | EA | 8" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6608) | 2,868.58 | 323.37 |
| 33 14 19 00-0331 | EA | 8" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6608T) | 2,868.58 | 323.37 |
| 33 14 19 00-0332 | EA | 10" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6610) | 4,173.68 | 377.27 |
| 33 14 19 00-0333 | EA | 10" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6610T) | 4,173.68 | 377.27 |
| 33 14 19 00-0334 | EA | 12" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6612) | 5,329.05 | 452.72 |
| 33 14 19 00-0335 | EA | 12" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6612T) | 5,329.05 | 452.72 |
| 33 14 19 00-0336 | EA | 14" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6614) | 12,810.92 | 1,017.44 |
| 33 14 19 00-0337 | EA | 16" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6616) | 17,345.64 | 1,119.19 |
| 33 14 19 00-0338 | EA | 18" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6618) | 29,349.42 | 1,241.28 |
| 33 14 19 00-0339 | EA | 20" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6620) | 35,747.35 | 1,398.99 |
| 33 14 19 00-0340 | EA | 24" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6624) | 46,245.53 | 1,716.94 |
| 33 14 19 00-0341 | EA | 2" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6702) | 978.57 | 155.68 |
| 33 14 19 00-0342 | EA | 2-1/2" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6702.5) | 1,044.51 | 169.73 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0343 | EA | 3" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6703) | 1,080.74 | 199.00 |
| 33 14 19 00-0344 | EA | 4" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6704) | 1,608.27 | 229.59 |
| 33 14 19 00-0345 | EA | 5" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6705) | 2,346.04 | 247.92 |
| 33 14 19 00-0346 | EA | 6" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6706) | 2,389.15 | 269.48 |
| 33 14 19 00-0347 | EA | 8" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6708) | 3,165.90 | 323.37 |
| 33 14 19 00-0348 | EA | 10" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6710) | 5,188.17 | 377.27 |
| 33 14 19 00-0349 | EA | 12" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6712) | 5,708.73 | 452.72 |
| 33 14 19 00-0350 | EA | 14" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6714) | 14,474.29 | 1,017.44 |
| 33 14 19 00-0351 | EA | 16" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6716) | 19,718.15 | 1,119.19 |
| 33 14 19 00-0352 | EA | 18" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6718) | 31,406.54 | 1,241.28 |
| 33 14 19 00-0353 | EA | 20" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6720) | 40,735.45 | 1,398.99 |
| 33 14 19 00-0354 | EA | 24" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6724) | 52,816.64 | 1,716.94 |
| 33 14 19 00-0355 | EA | 2-1/2" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6802.5) | 743.18 | 169.73 |
| 33 14 19 00-0356 | EA | 3" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6803) | 972.26 | 199.00 |
| 33 14 19 00-0357 | EA | 4" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6804) | 1,485.73 | 229.59 |
| 33 14 19 00-0358 | EA | 5" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6805) | 1,839.79 | 247.92 |
| 33 14 19 00-0359 | EA | 6" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6806) | 1,882.90 | 269.48 |
| 33 14 19 00-0360 | EA | 8" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6808) | 2,868.58 | 323.37 |
| 33 14 19 00-0361 | EA | 10" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6810) | 4,173.68 | 377.27 |
| 33 14 19 00-0362 | EA | 12" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6812) | 5,329.05 | 452.72 |
| 33 14 19 00-0363 | EA | 14" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6814) | 12,810.92 | 1,017.44 |
| 33 14 19 00-0364 | EA | 16" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6816) | 17,345.64 | 1,119.19 |
| 33 14 19 00-0365 | EA | 18" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6818) | 29,349.42 | 1,241.28 |
| 33 14 19 00-0366 | EA | 20" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6820) | 35,747.35 | 1,398.99 |
| 33 14 19 00-0367 | EA | 24" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6824) | 46,245.53 | 1,716.94 |
| 33 14 19 00-0368 | EA | 2" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6902) | 677.24 | 155.68 |
| 33 14 19 00-0369 | EA | 2-1/2" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6902.5) | 743.18 | 169.73 |
| 33 14 19 00-0370 | EA | 3" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6903) | 972.26 | 199.00 |
| 33 14 19 00-0371 | EA | 4" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6904) | 1,485.73 | 229.59 |
| 33 14 19 00-0372 | EA | 6" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6906) | 1,882.90 | 269.48 |
| 33 14 19 00-0373 | EA | 8" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6908) | 2,868.58 | 323.37 |
| 33 14 19 00-0374 | EA | 10" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6910) | 4,173.68 | 377.27 |
| 33 14 19 00-0375 | EA | 12" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6912) | 5,329.05 | 452.72 |
| 33 14 19 00-0376 | EA | 14" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6914) | 12,810.92 | 1,017.44 |
| 33 14 19 00-0377 | EA | 16" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6916) | 17,345.64 | 1,119.19 |
| 33 14 19 00-0378 | EA | 18" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6918) | 29,349.42 | 1,241.28 |
| 33 14 19 00-0379 | EA | 20" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6920) | 35,747.35 | 1,398.99 |
| 33 14 19 00-0380 | EA | 24" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6924) | 46,245.53 | 1,716.94 |
| 33 14 19 00-0381 | EA | 2" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3702) | 1,066.96 | 155.68 |
| 33 14 19 00-0382 | EA | 3" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3703) | 1,364.00 | 199.00 |
| 33 14 19 00-0383 | EA | 4" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3704) | 2,038.18 | 229.59 |
| 33 14 19 00-0384 | EA | 6" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3706) | 2,632.22 | 269.48 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0385 | EA | 8" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3708) | 4,381.29 | 323.37 |
| 33 14 19 00-0386 | EA | 10" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3710) | 6,660.70 | 377.27 |
| 33 14 19 00-0387 | EA | 12" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3712) | 8,468.96 | 452.72 |
| 33 14 19 00-0388 | EA | 14" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3714) | 23,289.34 | 1,017.44 |
| 33 14 19 00-0389 | EA | 16" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3716) | 31,946.32 | 1,119.19 |
| 33 14 19 00-0390 | EA | 18" Outside Stem And Yoke, Rotary Tribo-Electrostatic Seperator (RTS), By-Pass, Metal Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J&S Valve MSGV-3718) | 49,994.89 | 1,241.28 |
| 33 14 19 00-0391 | EA | 20" Outside Stem And Yoke, Rotary Tribo-Electrostatic Seperator (RTS), By-Pass, Metal Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J&S Valve MSGV-3720) | 65,501.17 | 1,398.99 |
| 33 14 19 00-0392 | EA | 24" Outside Stem And Yoke, Rotary Tribo-Electrostatic Seperator (RTS), By-Pass, Metal Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J&S Valve MSGV-3724) | 89,133.54 | 1,716.94 |
| 33 14 19 00-0393 | EA | 2" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3802) | 1,034.82 | 155.68 |
| 33 14 19 00-0394 | EA | 2-1/2" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3802.5) | 1,265.49 | 169.73 |
| 33 14 19 00-0395 | EA | 3" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3803) | 1,301.72 | 199.00 |
| 33 14 19 00-0396 | EA | 4" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3804) | 1,947.77 | 229.59 |
| 33 14 19 00-0397 | EA | 6" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3806) | 2,513.70 | 269.48 |
| 33 14 19 00-0398 | EA | 8" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3808) | 4,170.35 | 323.37 |
| 33 14 19 00-0399 | EA | 10" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3810) | 6,327.22 | 377.27 |
| 33 14 19 00-0400 | EA | 12" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3812) | 8,045.08 | 452.72 |
| 33 14 19 00-0401 | EA | 14"Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3814) | 22,045.83 | 1,017.44 |
| 33 14 19 00-0402 | EA | 16" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3816) | 31,735.39 | 1,119.19 |
| 33 14 19 00-0403 | EA | 18" Non-Rising Stem (NRS), Flanged, Metal Seated Gate Valve, Ductile Iron Body, Gate Valve With Bevel Gear, Handwheel, Rotary Tribo-Electrostatic Seperator (RTS), And 3" By-Pass With Handwheel (J & S Valve MSGV-3818) | 48,771.47 | 1,241.28 |
| 33 14 19 00-0404 | EA | 20" Non-Rising Stem (NRS), Flanged, Metal Seated Gate Valve, Ductile Iron Body, Gate Valve With Bevel Gear, Handwheel, Rotary Tribo-Electrostatic Seperator (RTS), And 3" By-Pass With Handwheel (J & S Valve MSGV-3820) | 63,411.92 | 1,398.99 |
| 33 14 19 00-0405 | EA | 24" Non-Rising Stem (NRS), Flanged, Metal Seated Gate Valve, Ductile Iron Body, Gate Valve With Bevel Gear, Handwheel, Rotary Tribo-Electrostatic Seperator (RTS), And 3" By-Pass With Handwheel (J & S Valve MSGV-3824) | 85,728.45 | 1,716.94 |
| 33 14 19 00-0406 | EA | 3" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3903) | 1,301.72 | 199.00 |
| 33 14 19 00-0407 | EA | 4" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3904) | 1,947.77 | 229.59 |
| 33 14 19 00-0408 | EA | 6" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3906) | 2,513.70 | 269.48 |
| 33 14 19 00-0409 | EA | 8" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3908) | 4,170.35 | 323.37 |
| 33 14 19 00-0410 | EA | 10" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3910) | 6,327.22 | 377.27 |
| 33 14 19 00-0411 | EA | 12" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3912) | 8,045.08 | 452.72 |

## 33 14 19 00-0412 Plug Valves *(33 14 19 00-0006)*

## 33 14 19 00-0413 Ductile Iron Body, Plug Valve (J & S Valve) *(33 14 19 00-0412)*

| | | | | |
|---|---|---|---|---|
| 33 14 19 00-0414 | EA | 3" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4803) | 1,601.43 | 183.25 |
| 33 14 19 00-0415 | EA | 4" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4804) | 1,869.55 | 307.20 |
| 33 14 19 00-0416 | EA | 6" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4806) | 2,565.98 | 380.02 |
| 33 14 19 00-0417 | EA | 8" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4808) | 3,929.91 | 485.58 |
| 33 14 19 00-0418 | EA | 10" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4810) | 6,657.14 | 591.14 |
| 33 14 19 00-0419 | EA | 12" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4812) | 9,234.59 | 717.80 |
| 33 14 19 00-0420 | EA | 14" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4814) | 14,516.48 | 1,017.44 |
| 33 14 19 00-0421 | EA | 16"Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4816) | 19,621.72 | 1,119.19 |
| 33 14 19 00-0422 | EA | 18" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4818) | 28,825.10 | 1,241.28 |
| 33 14 19 00-0423 | EA | 20" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4820) | 41,916.69 | 1,398.99 |
| 33 14 19 00-0424 | EA | 24" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4824) | 69,699.44 | 1,716.94 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0425 | EA | 30" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4830) | 133,340.70 | 2,797.97 |
| 33 14 19 00-0426 | EA | 36" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4836) | 168,083.28 | 3,815.41 |
| **33 14 19 00-0427** | | **Globe Valve, AWWA** *(33 14 19 00-0006)* | | |
| **33 14 19 00-0428** | | **Globe Valve, Threaded, WW-V-51 Class B, Type 1** *(33 14 19 00-0427)* Note: NIBCO T-235. | | |
| 33 14 19 00-0429 | EA | 1/8" Globe Valve, Threaded | 86.63 | 18.85 |
| 33 14 19 00-0430 | EA | 1/4" Globe Valve, Threaded | 83.02 | 18.85 |
| 33 14 19 00-0431 | EA | 3/8" Globe Valve, Threaded | 84.80 | 18.85 |
| 33 14 19 00-0432 | EA | 1/2" Globe Valve, Threaded | 86.63 | 18.85 |
| 33 14 19 00-0433 | EA | 3/4" Globe Valve, Threaded | 117.64 | 25.46 |
| 33 14 19 00-0434 | EA | 1" Globe Valve, Threaded | 165.37 | 30.79 |
| 33 14 19 00-0435 | EA | 1-1/4" Globe Valve, Threaded | 242.14 | 38.98 |
| 33 14 19 00-0436 | EA | 1-1/2" Globe Valve, Threaded | 289.16 | 45.06 |
| 33 14 19 00-0437 | EA | 2" Globe Valve, Threaded | 404.05 | 52.68 |
| 33 14 19 00-0438 | EA | 2-1/2" Globe Valve, Threaded | 743.21 | 71.90 |
| 33 14 19 00-0439 | EA | 3" Globe Valve, Threaded | 1,018.46 | 82.89 |
| **33 14 19 00-0440** | | **Tapping Valve, AWWA C500 And C509** *(33 14 19 00-0006)* | | |
| **33 14 19 00-0441** | | **Tapping Valve, AWWA C500 And C509** *(33 14 19 00-0440)* Note: Flanged inlet X mechanical joint, Mueller H-667. | | |
| 33 14 19 00-0442 | EA | 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint | 1,571.38 | 143.68 |
| 33 14 19 00-0443 | EA | 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint | 2,025.77 | 183.25 |
| 33 14 19 00-0444 | EA | 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint | 2,388.59 | 229.59 |
| 33 14 19 00-0445 | EA | 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint | 3,161.21 | 388.05 |
| 33 14 19 00-0446 | EA | 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint | 4,582.17 | 495.84 |
| 33 14 19 00-0447 | EA | 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint | 6,692.71 | 603.63 |
| 33 14 19 00-0448 | EA | 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint | 9,981.06 | 452.72 |
| 33 14 19 00-0449 | EA | 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint | 18,409.64 | 1,017.44 |
| 33 14 19 00-0450 | EA | 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint | 23,348.15 | 1,119.19 |
| 33 14 19 00-0451 | EA | 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint | 37,974.12 | 1,241.28 |
| **33 14 19 00-0452** | | **Ball Meter Valves** *(33 14 19 00-0006)* | | |
| 33 14 19 00-0453 | EA | 3/4" Ball Meter Valve (Ford B43-342W) Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut. | 141.01 | 29.27 |
| 33 14 19 00-0454 | EA | 1" Ball Meter Valve (Ford B43-444W) Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut. | 153.21 | 31.02 |
| 33 14 19 00-0455 | EA | 1-1/2" Ball Meter Valve (Ford BF43-666W) Note: 1-1/2" service line size. Pack joint for copper or plastic tubing inlet by meter flange. | 293.03 | 52.68 |
| 33 14 19 00-0456 | EA | 2" Ball Meter Valve (Ford BF43-777W) Note: 2" service line size. Pack joint for copper or plastic tubing inlet by meter flange. | 410.06 | 53.26 |
| 33 14 19 00-0457 | EA | 3/4" Threaded Ball Meter Valve (Mueller B-20200) | 143.90 | 29.27 |
| 33 14 19 00-0458 | EA | 1" Threaded Ball Meter Valve (Mueller B-20200) | 192.39 | 31.02 |
| 33 14 19 00-0459 | EA | 1-1/2" Threaded Ball Meter Valve (Mueller B-20200) | 347.36 | 52.68 |
| 33 14 19 00-0460 | EA | 2" Threaded Ball Meter Valve (Mueller B-20200) | 458.78 | 53.26 |
| 33 14 19 00-0461 | EA | 3/4", 150 PSI, Ball Valve (Ford B13-332W) | 178.66 | 29.27 |
| 33 14 19 00-0462 | EA | 1", 150 PSI, Ball Valve (Ford B13-444W) | 291.17 | 31.02 |
| 33 14 19 00-0463 | EA | 1-1/2", 150 PSI, Ball Valve (Ford B13-666W) | 669.71 | 52.68 |
| 33 14 19 00-0464 | EA | 2", 150 PSI, Ball Valve (Ford B13-777W) | 909.70 | 53.26 |
| 33 14 19 00-0465 | EA | 1" Bronze Angle Meter Stop With 90 Degree Lock Wing, Compression x Outlet Swivel Meter Nut (Mueller B-2458N) | 314.56 | 35.12 |
| 33 14 19 00-0466 | EA | 1" Bronze Angle Meter Stop With 90 Degree Lock Wing, Flare x Outlet Swivel Meter Nut (Mueller B-2455N | 306.39 | 35.12 |
| 33 14 19 00-0467 | EA | 2" Bronze Angle Meter Stop With 90 Degree Lock Wing, Compression x Outlet Meter Flange (Mueller B-24276N | 757.15 | 53.84 |
| 33 14 19 00-0468 | EA | 1" Bronze Angle Meter Stop With 90 Degree Lock Wing, Flare x Outlet Meter Flange (Mueller B-24277N) | 306.39 | 35.12 |
| 33 14 19 00-0469 | EA | 3/4" Bronze Shut-Off Valve, Inlet Swivel Meter Nut x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24351) | 182.97 | 25.75 |
| 33 14 19 00-0470 | EA | 1" Bronze Shut-Off Valve, Inlet Swivel Meter Nut x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24351) | 258.32 | 30.44 |
| 33 14 19 00-0471 | EA | 1-1/2" Bronze Shut-Off Valve, Inlet Meter Flange x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24337) | 431.81 | 44.48 |
| 33 14 19 00-0472 | EA | 2" Bronze Shut-Off Valve, Inlet Meter Flange x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24337) | 699.19 | 52.68 |
| **33 14 19 00-0473** | | **Yokes And Angles** *(33 14 19 00-0006)* | | |
| **33 14 19 00-0474** | | **Yoke, Meter** *(33 14 19 00-0473)* | | |
| 33 14 19 00-0475 | EA | Yoke, Meter, 5/8" | 55.15 | 17.56 |
| 33 14 19 00-0476 | EA | Yoke, Meter, 3/4" | 62.53 | 19.31 |
| 33 14 19 00-0477 | EA | Yoke, Meter, 1" | 81.79 | 22.24 |
| **33 14 19 00-0478** | | **Angles And Ells** *(33 14 19 00-0473)* | | |
| 33 14 19 00-0479 | EA | 1-1/2" Flanged Angle, ELL | 136.80 | 12.29 |
| 33 14 19 00-0480 | EA | ELL, Yoke, With Female I.P.T. | 40.82 | 10.53 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0481 | | Air Release and Vacuum Combination Valves *(33 14 19 00-0006)* | | |
| 33 14 19 00-0482 | | Air Release and Vacuum Combination Valves, Ductile Iron Body (APCo or Crispin) *(33 14 19 00-0481)* | | |
| 33 14 19 00-0483 | EA | 1" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body | 701.25 | 22.63 |
| 33 14 19 00-0484 | EA | 1-1/2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body | 885.98 | 31.26 |
| 33 14 19 00-0485 | EA | 2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body | 1,069.64 | 39.34 |
| 33 14 19 00-0486 | EA | 2-1/2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body | 1,426.73 | 53.90 |
| 33 14 19 00-0487 | EA | 3" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body | 1,778.98 | 65.76 |
| 33 14 19 00-0488 | EA | 4" Flanged, Air Release and Vacuum Combination Valves, Ductile Iron Body | 2,733.36 | 179.58 |
| 33 14 19 00-0489 | EA | 6" Flanged, Air Release and Vacuum Combination Valves, Ductile Iron Body | 3,420.15 | 194.72 |
| 33 14 19 00-0490 | | Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories, Ltd., D-040-C "Barak") *(33 14 19 00-0481)* | | |
| 33 14 19 00-0491 | EA | 1" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak") | 359.30 | 22.63 |
| 33 14 19 00-0492 | EA | 1-1/2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak") | 594.28 | 31.26 |
| 33 14 19 00-0493 | EA | 2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak") | 828.18 | 38.80 |
| 33 14 19 00-0494 | EA | 2-1/2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak") | 1,209.21 | 53.90 |
| 33 14 19 00-0495 | EA | 3" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak") | 1,584.88 | 65.76 |
| 33 14 19 00-0496 | | Pressure Reducing Valves *(33 14 19 00-0006)* | | |
| 33 14 19 00-0497 | | Pressure Reducing Valves, Ductile Iron Body (Cla-Val Model 100-42 700 Series Roll Seal) *(33 14 19 00-0496)* | | |
| 33 14 19 00-0498 | EA | 2" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal) | 2,345.47 | 114.80 |
| 33 14 19 00-0499 | EA | 2-1/2" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal) | 2,700.50 | 143.90 |
| 33 14 19 00-0500 | EA | 3" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal) | 3,057.67 | 172.47 |
| 33 14 19 00-0501 | EA | 4" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal) | 4,882.61 | 229.59 |
| 33 14 19 00-0502 | EA | 6" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal) | 7,307.16 | 269.48 |
| 33 14 19 00-0503 | EA | 8" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal) | 12,445.05 | 323.37 |
| 33 14 19 00-0504 | EA | 10" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal) | 23,299.73 | 377.27 |
| 33 14 19 00-0505 | EA | 12" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal) | 29,193.50 | 452.72 |
| 33 14 19 00-0506 | | Pressure Reducing Valves (Cla-Val Model 90-01) *(33 14 19 00-0496)* | | |
| 33 14 19 00-0507 | EA | 1-1/4" Threaded, Pressure Reducing Valve (Cal-Val 90-01) | 1,662.49 | 38.98 |
| 33 14 19 00-0508 | EA | 1-1/2" Threaded, Pressure Reducing Valve (Cal-Val 90-01) | 1,674.49 | 45.06 |
| 33 14 19 00-0509 | EA | 2" Threaded, Pressure Reducing Valve (Cal-Val 90-01) | 1,985.91 | 52.68 |
| 33 14 19 00-0510 | EA | 2-1/2" Threaded, Pressure Reducing Valve (Cal-Val 90-01) | 2,326.68 | 71.90 |
| 33 14 19 00-0511 | EA | 3" Threaded, Pressure Reducing Valve (Cal-Val 90-01) | 2,575.64 | 80.85 |
| 33 14 19 00-0512 | EA | 1-1/2" Flanged, Pressure Reducing Valve (Cal-Val 90-01) | 3,452.25 | 90.98 |
| 33 14 19 00-0513 | EA | 2" Flanged, Pressure Reducing Valve (Cal-Val 90-01) | 3,960.45 | 114.80 |
| 33 14 19 00-0514 | EA | 2-1/2" Flanged, Pressure Reducing Valve (Cal-Val 90-01) | 4,140.56 | 143.90 |
| 33 14 19 00-0515 | EA | 3" Flanged, Pressure Reducing Valve (Cal-Val 90-01) | 4,260.46 | 172.47 |
| 33 14 19 00-0516 | EA | 4" Flanged, Pressure Reducing Valve (Cal-Val 90-01) | 5,133.15 | 229.59 |
| 33 14 19 00-0517 | EA | 6" Flanged, Pressure Reducing Valve (Cal-Val 90-01) | 8,226.05 | 269.48 |
| 33 14 19 00-0518 | EA | 8" Flanged, Pressure Reducing Valve (Cal-Val 90-01) | 11,346.98 | 323.37 |
| 33 14 19 00-0519 | | Booster Pump Control Valves *(33 14 19 00-0006)* | | |
| 33 14 19 00-0520 | | Pump Control Valves, Ductile Iron Body (Cla-Val Model 60-08/660-08) *(33 14 19 00-0519)* | | |
| 33 14 19 00-0521 | EA | 2" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08) | 7,917.11 | 114.80 |
| 33 14 19 00-0522 | EA | 2-1/2" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08) | 8,582.92 | 143.90 |
| 33 14 19 00-0523 | EA | 3" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08) | 9,250.87 | 172.47 |
| 33 14 19 00-0524 | EA | 4" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08) | 10,874.83 | 229.59 |
| 33 14 19 00-0525 | EA | 6" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08) | 13,351.48 | 269.48 |
| 33 14 19 00-0526 | EA | 8" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08) | 18,947.16 | 323.37 |
| 33 14 19 00-0527 | EA | 10" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08) | 24,743.82 | 377.27 |
| 33 14 19 00-0528 | EA | 12" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08) | 39,947.83 | 452.72 |
| 33 14 19 00-0529 | EA | 14" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08) | 65,018.69 | 623.18 |
| 33 14 19 00-0530 | EA | 16" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08) | 74,544.84 | 699.49 |
| 33 14 19 00-0531 | EA | 18" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08) | 57,430.54 | 775.80 |
| 33 14 19 00-0532 | EA | 20" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08) | 59,020.82 | 874.36 |
| 33 14 19 00-0533 | | Water Service Meter Accessories *(33 14 19 00-0006)* | | |
| 33 14 19 00-0534 | EA | Bronge Meter Flange With Gasket For 1-1/2" And 2" Meters (AY McDonald 610F) | 186.21 | 30.44 |
| 33 14 19 00-0535 | EA | 3/4" Bronze Ball Valve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W) | 203.05 | 24.59 |
| 33 14 19 00-0536 | EA | 1" Bronze BallValve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W) | 305.28 | 30.44 |
| 33 14 19 00-0537 | EA | 1-1/2" Bronze BallValve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W) | 478.06 | 44.48 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0538 | EA | 2" Bronze BallValve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W) | 741.70 | 52.68 |
| **33 14 19 00-0539** | | **Fire Hydrants** *(33 14 19)* | | |
| | | Note: Breakaway type. See CSI section 32 17 23 23-0000 for raised pavement marker. | | |
| **33 14 19 00-0540** | | **Three Way, Standard (Traditional) Model Fire Hydrant** *(33 14 19 00-0539)* | | |
| | | Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant). | | |
| 33 14 19 00-0541 | EA | 1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 3,732.65 | 295.56 |
| 33 14 19 00-0542 | EA | 2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 3,802.32 | 295.56 |
| 33 14 19 00-0543 | EA | 2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 3,872.18 | 295.56 |
| 33 14 19 00-0544 | EA | 3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 3,962.82 | 316.68 |
| 33 14 19 00-0545 | EA | 3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,032.56 | 316.68 |
| 33 14 19 00-0546 | EA | 4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,128.76 | 343.07 |
| 33 14 19 00-0547 | EA | 4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,198.40 | 343.07 |
| 33 14 19 00-0548 | EA | 5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,294.62 | 369.46 |
| 33 14 19 00-0549 | EA | 5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,364.36 | 369.46 |
| 33 14 19 00-0550 | EA | 6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,460.38 | 395.85 |
| 33 14 19 00-0551 | EA | 6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,556.49 | 422.24 |
| 33 14 19 00-0552 | EA | 7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,678.88 | 475.02 |
| 33 14 19 00-0553 | EA | 1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 3,796.23 | 295.56 |
| 33 14 19 00-0554 | EA | 2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 3,886.65 | 295.56 |
| 33 14 19 00-0555 | EA | 2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 3,976.85 | 295.56 |
| 33 14 19 00-0556 | EA | 3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,088.17 | 316.68 |
| 33 14 19 00-0557 | EA | 3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,178.37 | 316.68 |
| 33 14 19 00-0558 | EA | 4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,295.29 | 343.07 |
| 33 14 19 00-0559 | EA | 4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,385.38 | 343.07 |
| 33 14 19 00-0560 | EA | 5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,502.06 | 369.46 |
| 33 14 19 00-0561 | EA | 5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,592.23 | 369.46 |
| 33 14 19 00-0562 | EA | 6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,708.66 | 395.85 |
| 33 14 19 00-0563 | EA | 6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,825.48 | 422.24 |
| 33 14 19 00-0564 | EA | 7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant | 4,968.30 | 475.02 |
| **33 14 19 00-0565** | | **Two Way, Standard (Traditional) Model Fire Hydrant** *(33 14 19 00-0539)* | | |
| | | Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant). | | |
| 33 14 19 00-0566 | EA | 1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,350.19 | 295.56 |
| 33 14 19 00-0567 | EA | 2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,419.62 | 295.56 |
| 33 14 19 00-0568 | EA | 2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,489.45 | 295.56 |
| 33 14 19 00-0569 | EA | 3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,580.38 | 316.68 |
| 33 14 19 00-0570 | EA | 3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,649.90 | 316.68 |
| 33 14 19 00-0571 | EA | 4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,745.95 | 343.07 |
| 33 14 19 00-0572 | EA | 4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,815.69 | 343.07 |
| 33 14 19 00-0573 | EA | 5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,911.98 | 369.46 |
| 33 14 19 00-0574 | EA | 5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,981.57 | 369.46 |
| 33 14 19 00-0575 | EA | 6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 4,077.97 | 395.85 |
| 33 14 19 00-0576 | EA | 6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 4,173.63 | 422.24 |
| 33 14 19 00-0577 | EA | 7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 4,296.18 | 475.02 |
| 33 14 19 00-0578 | EA | 1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,448.41 | 295.56 |
| 33 14 19 00-0579 | EA | 2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,538.63 | 295.56 |
| 33 14 19 00-0580 | EA | 2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,628.72 | 295.56 |
| 33 14 19 00-0581 | EA | 3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,740.26 | 316.68 |
| 33 14 19 00-0582 | EA | 3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,830.23 | 316.68 |
| 33 14 19 00-0583 | EA | 4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 3,947.00 | 343.07 |
| 33 14 19 00-0584 | EA | 4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 4,037.02 | 343.07 |
| 33 14 19 00-0585 | EA | 5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 4,153.99 | 369.46 |
| 33 14 19 00-0586 | EA | 5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 4,243.96 | 369.46 |
| 33 14 19 00-0587 | EA | 6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 4,360.71 | 395.85 |
| 33 14 19 00-0588 | EA | 6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 4,477.07 | 422.24 |
| 33 14 19 00-0589 | EA | 7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant | 4,620.39 | 475.02 |
| **33 14 19 00-0590** | | **Three Way, Modern Model Fire Hydrant** *(33 14 19 00-0539)* | | |
| | | Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant). | | |
| 33 14 19 00-0591 | EA | 1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant | 3,895.26 | 295.56 |
| 33 14 19 00-0592 | EA | 2' Burial Section, Three Way, Modern Type Fire Hydrant | 3,985.34 | 295.56 |
| 33 14 19 00-0593 | EA | 2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant | 4,075.70 | 295.56 |
| 33 14 19 00-0594 | EA | 3' Burial Section, Three Way, Modern Type Fire Hydrant | 4,187.06 | 316.68 |
| 33 14 19 00-0595 | EA | 3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant | 4,277.21 | 316.68 |
| 33 14 19 00-0596 | EA | 4' Burial Section, Three Way, Modern Type Fire Hydrant | 4,393.80 | 343.07 |
| 33 14 19 00-0597 | EA | 4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant | 4,484.07 | 343.07 |
| 33 14 19 00-0598 | EA | 5' Burial Section, Three Way, Modern Type Fire Hydrant | 4,600.68 | 369.46 |
| 33 14 19 00-0599 | EA | 5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant | 4,690.86 | 369.46 |
| 33 14 19 00-0600 | EA | 6' Burial Section, Three Way, Modern Type Fire Hydrant | 4,807.44 | 369.46 |
| 33 14 19 00-0601 | EA | 6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant | 4,924.30 | 422.24 |
| 33 14 19 00-0602 | EA | 7' Burial Section, Three Way, Modern Type Fire Hydrant | 5,066.18 | 422.24 |
| **33 14 19 00-0603** | | **Two Way, Modern Model Fire Hydrant** *(33 14 19 00-0539)* | | |
| | | Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant). | | |
| 33 14 19 00-0604 | EA | 1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant | 2,765.67 | 295.56 |
| 33 14 19 00-0605 | EA | 2' Burial Section, Two Way, Modern Type Fire Hydrant | 2,834.22 | 295.56 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0606 | EA | 2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant | 2,903.54 | 295.56 |
| 33 14 19 00-0607 | EA | 3' Burial Section, Two Way, Modern Type Fire Hydrant | 2,992.41 | 316.68 |
| 33 14 19 00-0608 | EA | 3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant | 3,060.95 | 316.68 |
| 33 14 19 00-0609 | EA | 4' Burial Section, Two Way, Modern Type Fire Hydrant | 3,155.87 | 343.07 |
| 33 14 19 00-0610 | EA | 4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant | 3,224.38 | 343.07 |
| 33 14 19 00-0611 | EA | 5' Burial Section, Two Way, Modern Type Fire Hydrant | 3,319.39 | 369.46 |
| 33 14 19 00-0612 | EA | 5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant | 3,387.73 | 369.46 |
| 33 14 19 00-0613 | EA | 6' Burial Section, Two Way, Modern Type Fire Hydrant | 3,482.67 | 395.85 |
| 33 14 19 00-0614 | EA | 6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant | 3,577.69 | 422.24 |
| 33 14 19 00-0615 | EA | 7' Burial Section, Two Way, Modern Type Fire Hydrant | 3,698.15 | 475.02 |
| **33 14 19 00-0616** | | **Safetop Model With Breakable Section** *(33 14 19 00-0539)* | | |
| | | Note: Prices listed are for mechanical joint. Includes shoe, lower barrel and upper barrel (hydrant). | | |
| 33 14 19 00-0617 | EA | 4" Safetop Model Fire Hydrant Breakable With 5' Burial Section | 2,777.39 | 211.12 |
| 33 14 19 00-0618 | EA | 6" Safetop Model Fire Hydrant Breakable With 5' Burial Section | 2,969.69 | 237.51 |
| 33 14 19 00-0619 | EA | 8" Safetop Model Fire Hydrant Breakable With 5' Burial Section | 3,237.60 | 263.90 |
| **33 14 19 00-0620** | | **Fire Hydrant Extension Kits** *(33 14 19 00-0539)* | | |
| 33 14 19 00-0621 | EA | 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit | 574.05 | 26.39 |
| 33 14 19 00-0622 | EA | 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit | 681.68 | 32.98 |
| 33 14 19 00-0623 | EA | 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit | 742.66 | 39.59 |
| 33 14 19 00-0624 | EA | 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit | 843.23 | 48.82 |
| 33 14 19 00-0625 | EA | 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit | 1,278.79 | 50.80 |
| 33 14 19 00-0626 | EA | 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit | 1,366.18 | 52.78 |
| 33 14 19 00-0627 | EA | 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit | 1,386.52 | 55.42 |
| 33 14 19 00-0628 | EA | 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit | 1,464.26 | 59.37 |
| 33 14 19 00-0629 | EA | 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit | 1,612.92 | 71.26 |
| 33 14 19 00-0630 | EA | 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit | 1,699.57 | 85.76 |
| 33 14 19 00-0631 | EA | 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit | 638.66 | 29.56 |
| 33 14 19 00-0632 | EA | 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit | 755.80 | 35.89 |
| 33 14 19 00-0633 | EA | 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit | 866.87 | 43.28 |
| 33 14 19 00-0634 | EA | 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit | 967.85 | 53.84 |
| 33 14 19 00-0635 | EA | 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit | 1,329.47 | 55.95 |
| 33 14 19 00-0636 | EA | 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit | 1,417.94 | 58.06 |
| 33 14 19 00-0637 | EA | 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit | 1,478.50 | 61.23 |
| 33 14 19 00-0638 | EA | 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit | 1,730.74 | 65.45 |
| 33 14 19 00-0639 | EA | 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit | 1,895.22 | 78.11 |
| 33 14 19 00-0640 | EA | 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit | 1,988.51 | 93.95 |
| **33 14 19 00-0641** | | **Removal And Reinstallation Of Standard Fire Hydrant** *(33 14 19 00-0539)* | | |
| | | Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant. | | |
| 33 14 19 00-0642 | EA | Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant | 844.48 | |
| 33 14 19 00-0643 | EA | >5' Burial Section, Removal And Reinstallation Of Fire Hydrant | 1,231.53 | |
| 33 14 19 00-0644 | EA | Reset Fire Hydrant Upper Barrel<br>Note: Includes Safety Repair Kit | 1,375.82 | |
| **33 14 19 00-0645** | | **Hydrant Head Replacement** *(33 14 19 00-0539)* | | |
| 33 14 19 00-0646 | EA | 4" x 2-1/2" Bronze Hydrant Head Only With 2-1/2" Dome Cap (James Jones J-3708) | 5,080.29 | 422.24 |
| **33 14 19 00-0647** | | **Insertion Valves** *(33 14 19)* | | |
| 33 14 19 00-0648 | EA | 4" Diameter x 16" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings)<br>Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe | 4,146.59 | 196.18 |
| 33 14 19 00-0649 | EA | 6" Diameter x 16" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings)<br>Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe | 4,626.81 | 215.58 |
| 33 14 19 00-0650 | EA | 8" Diameter x 20" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings)<br>Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe | 5,390.86 | 323.37 |
| 33 14 19 00-0651 | EA | 10" Diameter x 20" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings)<br>Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe | 8,293.79 | 377.27 |
| 33 14 19 00-0652 | EA | 12" Diameter x 24" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings)<br>Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe | 10,078.89 | 458.11 |
| **33 14 19 00-0653** | | **Yard Hydrants** *(33 14 19)* | | |
| | | Note: With 3/4" hose thread outlet. | | |
| 33 14 19 00-0654 | EA | 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet | 379.65 | 35.12 |
| 33 14 19 00-0655 | EA | 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet | 408.49 | 35.12 |
| 33 14 19 00-0656 | EA | 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet | 437.32 | 35.12 |
| 33 14 19 00-0657 | EA | 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet | 348.00 | 44.48 |
| 33 14 19 00-0658 | EA | 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet | 365.20 | 44.48 |
| 33 14 19 00-0659 | EA | 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet | 382.39 | 44.48 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 19 00-0660 | | **Sanitary Yard Hydrants** *(33 14 19)*<br>Note: With 3/4" hose thread outlet. | | |
| 33 14 19 00-0661 | EA | 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet | 1,740.39 | 73.16 |
| 33 14 19 00-0662 | EA | 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet | 1,830.50 | 73.16 |
| 33 14 19 00-0663 | EA | 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet | 1,920.61 | 73.16 |
| 33 14 19 00-0664 | | **Flushing Hydrants** *(33 14 19)* | | |
| 33 14 19 00-0665 | EA | 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth | 885.17 | 45.06 |
| **33 14 23** | | **Enclosures for Water Utility Piping and Valves** *(33 14)*<br>Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0477 for Enclosures. | | |
| 33 14 23 00-0001 | | **Roadway Utility Box** *(33 14 23)* | | |
| 33 14 23 00-0002 | | **Utility Box** *(33 14 23 00-0001)*<br>Note: Christy Concrete Products. | | |
| 33 14 23 00-0003 | | **B3 Utility Box, 9-3/8" x 15-1/2"** *(33 14 23 00-0002)* | | |
| 33 14 23 00-0004 | EA | 9-3/8" x 15-1/2" Precast Concrete Utility Box | 121.40 | 53.36 |
| 33 14 23 00-0005 | EA | Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box | 124.64 | 5.93 |
| 33 14 23 00-0006 | EA | Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box | 51.53 | 5.93 |
| 33 14 23 00-0007 | EA | Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box | 273.27 | 5.93 |
| 33 14 23 00-0008 | EA | 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box | 72.70 | 11.86 |
| 33 14 23 00-0009 | EA | 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box | 105.00 | 11.86 |
| 33 14 23 00-0010 | | **B9 Utility Box, 10-1/4" x 17-1/4"** *(33 14 23 00-0002)* | | |
| 33 14 23 00-0011 | EA | 10-1/4" x 17-1/4" Precast Concrete Utility Box | 146.95 | 71.15 |
| 33 14 23 00-0012 | EA | Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box | 145.99 | 7.11 |
| 33 14 23 00-0013 | EA | Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box | 57.14 | 7.11 |
| 33 14 23 00-0014 | EA | Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box | 286.72 | 5.93 |
| 33 14 23 00-0015 | EA | 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box | 81.58 | 11.86 |
| 33 14 23 00-0016 | EA | 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box | 109.07 | 17.79 |
| 33 14 23 00-0017 | EA | 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box | 128.07 | 32.61 |
| 33 14 23 00-0018 | | **B12 Utility Box, 12" x 20"** *(33 14 23 00-0002)* | | |
| 33 14 23 00-0019 | EA | 12" x 20" Precast Concrete Utility Box | 161.60 | 77.07 |
| 33 14 23 00-0020 | EA | Cast Iron Lid For 12" x 20" Utility Box | 263.26 | 8.89 |
| 33 14 23 00-0021 | EA | Reinforced Concrete Lid For 12" x 20" Utility Box | 76.40 | 11.86 |
| 33 14 23 00-0022 | EA | Steel Checkered Plate Cover For 12" x 20" Utility Box | 385.23 | 11.86 |
| 33 14 23 00-0023 | EA | 12" High Reinforced Concrete Extension For 12" x 20" Utility Box | 167.10 | 41.50 |
| 33 14 23 00-0024 | | **B16 Utility Box, 12" x 22-1/4"** *(33 14 23 00-0002)* | | |
| 33 14 23 00-0025 | EA | 12" x 22-1/4" Precast Concrete Utility Box | 185.94 | 90.11 |
| 33 14 23 00-0026 | EA | Cast Iron Lid For 12" x 22-1/4" Utility Box | 297.28 | 11.86 |
| 33 14 23 00-0027 | EA | Reinforced Concrete Lid For 12" x 22-1/4" Utility Box | 94.71 | 11.86 |
| 33 14 23 00-0028 | EA | Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box | 387.42 | 11.86 |
| 33 14 23 00-0029 | EA | 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box | 132.64 | 20.16 |
| 33 14 23 00-0030 | EA | 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box | 170.14 | 41.50 |
| 33 14 23 00-0031 | | **B30 Utility Box, 13-1/4" x 24"** *(33 14 23 00-0002)* | | |
| 33 14 23 00-0032 | EA | 13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX) | 224.10 | 106.72 |
| 33 14 23 00-0033 | EA | Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D) | 127.26 | 18.98 |
| 33 14 23 00-0034 | EA | Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G) | 478.87 | 15.42 |
| 33 14 23 00-0035 | EA | 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL) | 132.64 | 20.16 |
| 33 14 23 00-0036 | EA | 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA) | 202.95 | 33.21 |
| 33 14 23 00-0037 | EA | 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6) | 158.85 | 22.53 |
| 33 14 23 00-0038 | EA | 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12) | 220.51 | 53.36 |
| 33 14 23 00-0039 | | **B36 Utility Box, 17-1/4" x 30"** *(33 14 23 00-0002)* | | |
| 33 14 23 00-0040 | EA | 17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX) | 293.09 | 135.18 |
| 33 14 23 00-0041 | EA | Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D) | 207.18 | 32.61 |
| 33 14 23 00-0042 | EA | Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D) | 599.95 | 22.53 |
| 33 14 23 00-0043 | EA | 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL) | 185.30 | 42.69 |
| 33 14 23 00-0044 | EA | 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA) | 316.17 | 47.43 |
| 33 14 23 00-0045 | EA | 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12) | 294.68 | 68.77 |
| 33 14 23 00-0046 | | **B40 Utility Box, 24-1/2" x 36"** *(33 14 23 00-0002)* | | |
| 33 14 23 00-0047 | EA | 24-1/2" x 36" Precast Concrete Utility Box | 610.13 | 208.70 |
| 33 14 23 00-0048 | EA | Reinforced Concrete Lid For 24-1/2" x 36" Utility Box | 568.12 | 78.26 |
| 33 14 23 00-0049 | EA | Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box | 851.91 | 34.38 |
| 33 14 23 00-0050 | EA | 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box | 463.51 | 73.52 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 23 00-0051 | EA | 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box | 491.86 | 77.07 |
| **33 14 23 00-0052** | | **B48 Utility Box, 30-1/4" x 48-1/4"** *(33 14 23 00-0002)* | | |
| 33 14 23 00-0053 | EA | 30-1/4" x 48-1/4" Precast Concrete Utility Box | 769.07 | 237.15 |
| 33 14 23 00-0054 | EA | 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box | 780.85 | 129.24 |
| 33 14 23 00-0055 | EA | 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box | 988.10 | 129.24 |
| 33 14 23 00-0056 | EA | 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box | 1,348.19 | 59.29 |
| 33 14 23 00-0057 | EA | 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box | 668.00 | 160.08 |
| 33 14 23 00-0058 | EA | 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box | 606.60 | 107.90 |
| **33 14 23 00-0059** | | **B65 Utility Box, 15" x 26-1/2"** *(33 14 23 00-0002)* | | |
| 33 14 23 00-0060 | EA | 15" x 26-1/2" Precast Concrete Utility Box | 202.99 | 135.18 |
| 33 14 23 00-0061 | EA | Reinforced Concrete Lid For 15" x 26-1/2" Utility Box | 125.25 | 32.61 |
| 33 14 23 00-0062 | EA | Steel Checkered Plate Cover For 15" x 26-1/2" Utility Box | 387.33 | 22.53 |
| 33 14 23 00-0063 | EA | 20" x 34" Reinforced Concrete Slab For 15" x 26-1/2" Utility Box | 185.30 | 42.69 |
| 33 14 23 00-0064 | EA | 6" High Reinforced Concrete Base For 15" x 26-1/2" Utility Box | 316.17 | 47.43 |
| 33 14 23 00-0065 | EA | 12" High Reinforced Concrete Extension For 15" x 26-1/2" Utility Box | 219.47 | 68.77 |
| **33 14 23 00-0066** | | **Roadway Or Curb Valve Boxes** *(33 14 23)*<br>See CSI section 22 05 19 00-0000 for metering. | | |
| **33 14 23 00-0067** | | **Round Head, Cast Iron Service, Roadway Or Valve Boxes** *(33 14 23 00-0066)* | | |
| 33 14 23 00-0068 | EA | 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box<br>Note: Includes cover, top section and bottom section. | 230.12 | 14.23 |
| 33 14 23 00-0069 | EA | 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box<br>Note: Includes cover, top section and bottom section. | 267.44 | 14.23 |
| 33 14 23 00-0070 | EA | 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box<br>Note: Includes cover, top section and bottom section. | 269.16 | 14.23 |
| 33 14 23 00-0071 | EA | 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box | 69.06 | 7.11 |
| 33 14 23 00-0072 | EA | 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box | 78.94 | 7.11 |
| 33 14 23 00-0073 | EA | 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box | 93.81 | 7.11 |
| 33 14 23 00-0074 | EA | 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box<br>Note: Includes cover, top section and bottom section. | 347.17 | 17.79 |
| 33 14 23 00-0075 | EA | 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box<br>Note: Includes cover, top section, bottom section and #6 round base. | 601.52 | 24.90 |
| 33 14 23 00-0076 | EA | 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box<br>Note: Includes cover, top section, bottom section and #6 round base. | 671.12 | 24.90 |
| 33 14 23 00-0077 | EA | 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box<br>Note: Includes cover, top section and bottom section. | 360.97 | 17.79 |
| 33 14 23 00-0078 | EA | 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box<br>Note: Includes cover, top section and bottom section. | 377.60 | 17.79 |
| 33 14 23 00-0079 | EA | 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box<br>Note: Includes cover, top section and bottom section. | 364.90 | 17.79 |
| 33 14 23 00-0080 | EA | 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box | 132.22 | 7.11 |
| 33 14 23 00-0081 | EA | 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes | 222.21 | 29.27 |
| 33 14 23 00-0082 | EA | 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes | 229.77 | 30.44 |
| 33 14 23 00-0083 | EA | 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes | 255.77 | 31.60 |
| 33 14 23 00-0084 | EA | 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box | 351.46 | 33.37 |
| 33 14 23 00-0085 | EA | 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes | 423.81 | 35.12 |
| 33 14 23 00-0086 | EA | 18" Cast Iron Service Box Extension Section | 99.34 | |
| **33 14 23 00-0087** | | **Plastic Roadway Grade Water Meter Box And Cover** *(33 14 23 00-0066)* | | |
| 33 14 23 00-0088 | EA | 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover | 353.01 | 40.97 |
| 33 14 23 00-0089 | EA | 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover | 266.14 | 29.27 |
| 33 14 23 00-0090 | EA | Cast Iron Lid For Plastic Meter Box | 80.58 | |
| **33 14 23 00-0091** | | **Traffic Valve Box And Lid** *(33 14 23 00-0066)* | | |
| 33 14 23 00-0092 | EA | 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5) | 222.41 | |
| 33 14 23 00-0093 | EA | 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12) | 733.52 | |
| **33 14 23 00-0094** | | **Service Meter Boxes (Brooks)** *(33 14 23)* | | |
| 33 14 23 00-0095 | EA | 12" x 20", Precast Service Meter Box With Concrete Cover, Exposed To Traffic (Brooks #37-1 PC) | 198.78 | 59.72 |
| 33 14 23 00-0096 | EA | 12" x 20", Precast Service Meter Box, Concrete Cover With Cast Iron Reading Lid, Exposed To Traffic (Brooks #37-S) | 152.14 | 11.94 |
| 33 14 23 00-0097 | EA | 12" x 20", Precast Service Meter Box With Cast Iron Hinged Cover, Exposed To Traffic (Brooks #37-H4S) | 157.40 | 11.94 |
| 33 14 23 00-0098 | EA | 17" x 30", Precast Service Meter Box With Concrete Cover, Exposed To Traffic (Brooks 66-1 PC) | 366.25 | 89.59 |
| 33 14 23 00-0099 | EA | 17" x 30", Precast Service Meter Box With Concrete Cover With Cast Iron Reading Lid, Exposed To Traffic (Brooks 66-S) | 319.44 | 14.93 |
| **33 14 23 00-0100** | | **Polyethylene Above Ground Enclosure** *(33 14 23)* | | |
| 33 14 23 00-0101 | EA | 14" x 24" Polyethylene Above Ground Enclosure For 2" Air/Vacuum Valve | 898.33 | 97.01 |
| 33 14 23 00-0102 | EA | 18" x 30" Polyethylene Above Ground Enclosure For 4" Air/Vacuum Valve | 1,049.57 | 129.35 |
| 33 14 23 00-0103 | EA | 24" x 36" Polyethylene Above Ground Enclosure For 6" To 8" Air/Vacuum Valve | 1,267.92 | 155.21 |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 14 23 00-0104 | | Service Meter Boxes (Armorcast) *(33 14 23)* | | |
| | | Note: Water meter boxes shall be polymer, rectangular in shape, with rounded corners and beveled edges throughout with a slot provided in the bottom of each end of the box for the water service pipe and the house lateral. Boxes shall have a polymer cover with AMR slot. Meter boxes are likely to be subjected to traffic loads, traffic rated boxes and covers shall have AASHTO load Traffic ratings of 20K. | | |
| 33 14 23 00-0105 | EA | 13" x 24" x 12" Polymer Concrete Meter Box (ARMORCAST - #A6001946PCX12) | 287.14 | |
| 33 14 23 00-0106 | EA | 17" x 30" x 12" Polymer Concrete Meter Box (ARMORCAST - #A6001640PCX12) | 306.98 | |
| 33 14 23 00-0107 | EA | 13" x 24" Polymer Concrete Meter Box Cover With AMR Slot And Hinged Reading Lid (ARMORCAST - #A6001866R-H9) | 113.80 | |
| 33 14 23 00-0108 | EA | 13" x 24" Polymer Concrete Meter Box Cover With Hinged Reading Lid (ARMORCAST - #A6001866R) | 117.96 | |
| 33 14 23 00-0109 | EA | 17" x 30" Polymer Concrete Meter Box Cover With AMR Slot And Hinged Reading Lid (ARMORCAST - #A6001643R-H9) | 150.67 | |
| 33 14 23 00-0110 | EA | 17" x 30" Polymer Concrete Meter Box Cover With Hinged Reading Lid (ARMORCAST - #A6001643R) | 155.45 | |
| 33 14 23 00-0111 | EA | 12" x 20" Polymer Concrete Meter Box Cover With Hinged Reading Lid (ARMORCAST - #A6000484R) | 81.08 | |
| 33 14 23 00-0112 | EA | 12" x 20" Polymer Concrete Meter Box Cover Only With No Hinged Reading Lid (ARMORCAST - #A6000482) | 50.71 | |

# 33 16 Water Utility Storage Tanks *(33 10)*

## 33 16 23 Ground-Level Steel Water Storage Tanks *(33 16)*

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

# 33 19 Water Utility Metering Equipment *(33 10)*

## 33 19 11 Water Utility Metering *(33 19)*

| | | | | |
|---|---|---|---|---|
| 33 19 11 00-0001 | | High Pressure Water Meter with AMR Transmitter *(33 19 11)* | | |
| 33 19 11 00-0002 | EA | 3" Diameter, High Pressure Water Meter with AMR Transmitter (Hendey) | 2,146.30 | 183.25 |

## 33 19 13 Positive Displacement Water Meters *(33 19)*

### 33 19 13 23 Nutating Disc Water Meters *(33 19 13)*

| | | | | |
|---|---|---|---|---|
| 33 19 13 23-0001 | | Bronze Disk Type Water Service Meters *(33 19 13 23)* | | |
| 33 19 13 23-0002 | EA | 5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter | 329.73 | 60.87 |
| 33 19 13 23-0003 | EA | 3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter | 414.84 | 72.57 |
| 33 19 13 23-0004 | EA | 1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter | 558.44 | 83.11 |
| 33 19 13 23-0005 | EA | 1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter | 1,089.97 | 124.08 |
| 33 19 13 23-0006 | EA | 2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter | 1,477.43 | 161.53 |
| 33 19 13 23-0007 | | Magnetic Driven, Positive Displacement Type Water Service Meters *(33 19 13 23)* | | |
| 33 19 13 23-0008 | EA | 5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i) | 595.85 | 60.87 |
| | | *For Owner Furnished Material, Deduct* | *-534.24* | |
| 33 19 13 23-0009 | EA | 3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i) | 679.19 | 72.57 |
| | | *For Owner Furnished Material, Deduct* | *-606.03* | |
| 33 19 13 23-0010 | EA | 1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i) | 1,013.50 | 83.11 |
| | | *For Owner Furnished Material, Deduct* | *-929.88* | |
| 33 19 13 23-0011 | EA | 1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i) | 1,716.66 | 124.08 |
| | | *For Owner Furnished Material, Deduct* | *-1,592.14* | |
| 33 19 13 23-0012 | EA | 2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i) | 2,124.55 | 161.53 |
| | | *For Owner Furnished Material, Deduct* | *-1,961.97* | |
| 33 19 13 23-0013 | EA | Electronic Transmitter | 484.54 | 29.27 |
| | | Note: For use with transmitting meter valve. | | |
| | | *For Owner Furnished Material, Deduct* | *-455.27* | |

## 33 19 16 Velocity-Type Water Meters *(33 19)*

### 33 19 16 13 Single-Jet Water Meters *(33 19 16)*

| | | | | |
|---|---|---|---|---|
| 33 19 16 13-0001 | | Small/Large Spectrum Water Service Meter *(33 19 16 13)* | | |
| | | Note: Metron-Farnier. | | |
| 33 19 16 13-0002 | EA | 1-1/2" Diameter, 0 - 100 GPM, Flanged, Spectrum Water Meter | 1,881.01 | 122.91 |
| | | Note: Metron-Farnier #Spectrum 50. | | |
| 33 19 16 13-0003 | EA | 2" Diameter, 0 - 125 GPM, Flanged, Spectrum Water Meter | 2,697.30 | 156.04 |
| | | Note: Metron-Farnier #Spectrum 88. | | |
| 33 19 16 13-0004 | EA | 2" Diameter, 0 - 185 GPM, Flanged, Spectrum Water Meter | 3,260.17 | 156.04 |
| | | Note: Metron-Farnier #Spectrum 130. | | |
| 33 19 16 13-0005 | EA | 3" Diameter, 0 - 320 GPM, Flanged, Spectrum Water Meter | 4,368.04 | 183.25 |
| | | Note: Metron-Farnier #Spectrum 175. | | |
| 33 19 16 13-0006 | EA | 3" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter | 4,539.46 | 183.25 |
| | | Note: Metron-Farnier #Spectrum 260. | | |
| 33 19 16 13-0007 | EA | 4" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter | 6,332.08 | 286.73 |
| | | Note: Metron-Farnier #Spectrum 260. | | |
| 33 19 16 13-0008 | EA | 4" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter | 10,464.05 | 286.73 |
| | | Note: Metron-Farnier #Spectrum 440. | | |
| 33 19 16 13-0009 | EA | 6" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter | 13,126.45 | 388.05 |
| | | Note: Metron-Farnier #Spectrum 440. | | |
| 33 19 16 13-0010 | EA | 8" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter | 16,314.30 | 495.84 |
| | | Note: Metron-Farnier #Spectrum 440. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 19 16 23** | | **Turbine Water Meters** *(33 19 16)* | | |
| 33 19 16 23-0001 | | Flanged Turbine Water Service Meter *(33 19 16 23)* | | |
| 33 19 16 23-0002 | | Vertical Turbine Meters *(33 19 16 23-0001)* | | |
| 33 19 16 23-0003 | EA | 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged | 1,307.91 | 113.18 |
| 33 19 16 23-0004 | EA | 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged | 1,841.83 | 143.68 |
| 33 19 16 23-0005 | EA | 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged | 3,399.43 | 183.25 |
| 33 19 16 23-0006 | EA | 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged | 5,063.41 | 286.73 |
| 33 19 16 23-0007 | EA | 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged | 9,668.05 | 388.05 |
| 33 19 16 23-0008 | | Horizontal Turbine Meters *(33 19 16 23-0001)* | | |
| 33 19 16 23-0009 | EA | 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged | 2,085.30 | 113.18 |
| 33 19 16 23-0010 | EA | 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged | 2,951.65 | 143.68 |
| 33 19 16 23-0011 | EA | 3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged | 3,844.38 | 183.25 |
| 33 19 16 23-0012 | EA | 4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged | 5,651.57 | 286.73 |
| 33 19 16 23-0013 | EA | 6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged | 11,810.98 | 388.05 |
| 33 19 16 23-0014 | EA | 8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged | 15,813.09 | 495.84 |
| 33 19 16 23-0015 | EA | 10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged | 22,140.56 | 603.63 |
| 33 19 16 23-0016 | EA | 12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged | 26,554.72 | 951.79 |
| **33 19 19** | | **Compound Water Meters** *(33 19)* | | |
| 33 19 19 00-0001 | | Flanged Compound Type Water Service Meter *(33 19 19)* | | |
| 33 19 19 00-0002 | EA | 2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter | 5,616.26 | 143.68 |
| 33 19 19 00-0003 | EA | 3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter | 6,764.71 | 183.25 |
| 33 19 19 00-0004 | EA | 4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter | 11,195.58 | 286.73 |
| 33 19 19 00-0005 | EA | 6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter | 15,667.24 | 388.05 |
| 33 19 19 00-0006 | EA | 8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter | 32,429.78 | 495.84 |
| 33 19 19 00-0007 | EA | 10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter | 55,721.71 | 603.63 |
| **33 19 23** | | **Magnetic Water Meters** *(33 19)* | | |
| 33 19 23 00-0001 | | Flanged Electromagnetic Flow (EMF) Water Meter *(33 19 23)* | | |
| 33 19 23 00-0002 | EA | 2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) | 8,988.85 | 143.68 |
| 33 19 23 00-0003 | EA | 3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) | 12,659.99 | 183.25 |
| 33 19 23 00-0004 | EA | 4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) | 14,521.59 | 286.73 |
| **33 19 26** | | **Ultrasonic Water Meters** *(33 19)* | | |
| 33 19 26 00-0001 | | Ultrasonic Water Service Meters (Mastermeter Octive) *(33 19 26)* | | |
| 33 19 26 00-0002 | EA | 3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive) | 4,519.56 | 183.25 |
| 33 19 26 00-0003 | EA | 4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive) | 5,197.17 | 286.73 |
| 33 19 26 00-0004 | EA | 6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive) | 7,653.07 | 388.05 |
| 33 19 26 00-0005 | EA | 8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive) | 11,034.14 | 495.84 |

# 33 30 Sanitary Sewerage Utilities *(33)*

## 33 31 Sanitary Sewerage Piping *(33 30)*

### 33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

| | | | | |
|---|---|---|---|---|
| 33 31 11 00-0001 | | Cast Iron Service Saddles With U Bolt *(33 31 11)* | | |
| 33 31 11 00-0002 | EA | 2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt | 124.98 | |
| 33 31 11 00-0003 | EA | 3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt | 125.69 | |
| 33 31 11 00-0004 | EA | 3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt | 138.26 | |
| 33 31 11 00-0005 | EA | 4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt | 133.94 | |
| 33 31 11 00-0006 | EA | 4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt | 151.33 | |
| 33 31 11 00-0007 | EA | 4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt | 170.48 | |
| 33 31 11 00-0008 | EA | 4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt | 202.04 | |
| 33 31 11 00-0009 | EA | 6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt | 171.35 | |
| 33 31 11 00-0010 | EA | 6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt | 187.32 | |
| 33 31 11 00-0011 | EA | 6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt | 215.95 | |
| 33 31 11 00-0012 | EA | 4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt | 137.91 | |
| 33 31 11 00-0013 | EA | 4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt | 150.48 | |
| 33 31 11 00-0014 | EA | 4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt | 179.76 | |
| 33 31 11 00-0015 | EA | 4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt | 213.44 | |
| 33 31 11 00-0016 | EA | 6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt | 230.15 | |
| 33 31 11 00-0017 | | Plastic Sewer And Drain Piping *(33 31 11)* | | |

Note: Includes detectable tracer wire.


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 31 11 00-0018** | | **Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe** *(33 31 11 00-0017)* | | |
| 33 31 11 00-0019 | LF | 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe | 11.07 | 4.49 |
| 33 31 11 00-0020 | LF | 2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe | 13.45 | 5.30 |
| 33 31 11 00-0021 | LF | 3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe | 18.69 | 6.42 |
| 33 31 11 00-0022 | LF | 4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe | 23.41 | 7.49 |
| 33 31 11 00-0023 | LF | 6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe | 32.13 | 8.71 |
| 33 31 11 00-0024 | LF | 8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe | 43.18 | 10.13 |
| 33 31 11 00-0025 | LF | 10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe | 59.22 | 10.49 |
| 33 31 11 00-0026 | LF | 12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe | 77.96 | 10.86 |
| **33 31 11 00-0027** | | **Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe** *(33 31 11 00-0017)* Note: D-2729 PVC pipe. | | |
| 33 31 11 00-0028 | LF | 3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe | 14.34 | 6.42 |
| 33 31 11 00-0029 | LF | 4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe | 16.86 | 7.49 |
| 33 31 11 00-0030 | LF | 6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe | 21.11 | 8.71 |
| **33 31 11 00-0031** | | **Polyvinyl Chloride (PVC) Sewer And Drain Fittings** *(33 31 11 00-0017)* | | |
| **33 31 11 00-0032** | | **1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0033 | EA | 1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 30.53 | 14.57 |
| 33 31 11 00-0034 | EA | 2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 39.22 | 18.84 |
| 33 31 11 00-0035 | EA | 3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 72.21 | 25.31 |
| 33 31 11 00-0036 | EA | 4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 116.38 | 29.25 |
| 33 31 11 00-0037 | EA | 6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 498.54 | 38.02 |
| 33 31 11 00-0038 | EA | 8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 832.89 | 51.17 |
| 33 31 11 00-0039 | EA | 10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 1,099.24 | 68.14 |
| **33 31 11 00-0040** | | **1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0041 | EA | 1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 32.53 | 14.57 |
| 33 31 11 00-0042 | EA | 2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 39.05 | 18.84 |
| 33 31 11 00-0043 | EA | 3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 69.21 | 25.31 |
| 33 31 11 00-0044 | EA | 4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 101.70 | 29.25 |
| 33 31 11 00-0045 | EA | 6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 461.18 | 38.02 |
| 33 31 11 00-0046 | EA | 8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 746.06 | 51.17 |
| 33 31 11 00-0047 | EA | 10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 843.81 | 68.14 |
| 33 31 11 00-0048 | EA | 12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 1,258.81 | 90.76 |
| **33 31 11 00-0049** | | **Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0050 | EA | 1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 54.88 | 14.36 |
| 33 31 11 00-0051 | EA | 2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 53.23 | 18.84 |
| 33 31 11 00-0052 | EA | 3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 108.23 | 25.31 |
| 33 31 11 00-0053 | EA | 4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 182.43 | 29.25 |
| 33 31 11 00-0054 | EA | 6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 370.96 | 38.02 |
| 33 31 11 00-0055 | EA | 8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 665.23 | 51.17 |
| 33 31 11 00-0056 | EA | 10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 1,096.23 | 68.14 |
| 33 31 11 00-0057 | EA | 12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 1,667.32 | 90.76 |
| **33 31 11 00-0058** | | **1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0059 | EA | 1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 36.80 | 14.57 |
| 33 31 11 00-0060 | EA | 2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 43.40 | 18.84 |
| 33 31 11 00-0061 | EA | 3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 81.68 | 25.31 |
| 33 31 11 00-0062 | EA | 4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 124.85 | 29.25 |
| 33 31 11 00-0063 | EA | 6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 622.82 | 38.02 |
| 33 31 11 00-0064 | EA | 8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 1,013.81 | 51.17 |
| 33 31 11 00-0065 | EA | 10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 1,140.44 | 68.14 |
| 33 31 11 00-0066 | EA | 12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 1,159.95 | 90.76 |
| **33 31 11 00-0067** | | **Reducers, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0068 | EA | 2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 42.33 | 16.63 |
| 33 31 11 00-0069 | EA | 3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 85.16 | 19.85 |
| 33 31 11 00-0070 | EA | 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 79.22 | 21.89 |
| 33 31 11 00-0071 | EA | 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 127.66 | 23.92 |
| 33 31 11 00-0072 | EA | 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 136.66 | 27.15 |
| 33 31 11 00-0073 | EA | 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 439.55 | 33.60 |
| 33 31 11 00-0074 | EA | 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 945.33 | 44.55 |
| 33 31 11 00-0075 | EA | 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 199.76 | 48.65 |
| 33 31 11 00-0076 | EA | 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 277.33 | 53.06 |
| 33 31 11 00-0077 | EA | 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 259.07 | 59.59 |
| 33 31 11 00-0078 | EA | 12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 975.33 | 64.41 |
| 33 31 11 00-0079 | EA | 12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 1,029.00 | 70.94 |
| 33 31 11 00-0080 | EA | 12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain | 1,087.91 | 79.45 |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 31 11 00-0081** | | **Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0082 | EA | 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain | 48.50 | 22.02 |
| 33 31 11 00-0083 | EA | 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain | 64.83 | 28.49 |
| 33 31 11 00-0084 | EA | 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain | 115.45 | 37.58 |
| 33 31 11 00-0085 | EA | 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain | 182.54 | 46.67 |
| 33 31 11 00-0086 | EA | 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain | 731.50 | 51.17 |
| 33 31 11 00-0087 | EA | 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain | 948.76 | 68.14 |
| **33 31 11 00-0088** | | **Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0089 | EA | 1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 64.01 | 22.02 |
| 33 31 11 00-0090 | EA | 2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 73.84 | 28.49 |
| 33 31 11 00-0091 | EA | 3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 126.96 | 37.58 |
| 33 31 11 00-0092 | EA | 4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 201.38 | 46.67 |
| 33 31 11 00-0093 | EA | 6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 660.79 | 51.17 |
| 33 31 11 00-0094 | EA | 8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 814.43 | 68.14 |
| 33 31 11 00-0095 | EA | 10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 1,070.85 | 90.93 |
| 33 31 11 00-0096 | EA | 12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 1,699.91 | 121.35 |
| **33 31 11 00-0097** | | **Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0098 | EA | 2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 88.36 | 22.02 |
| 33 31 11 00-0099 | EA | 2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 97.52 | 28.49 |
| 33 31 11 00-0100 | EA | 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 110.95 | 37.58 |
| 33 31 11 00-0101 | EA | 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 175.53 | 46.67 |
| 33 31 11 00-0102 | EA | 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 193.21 | 46.67 |
| **33 31 11 00-0103** | | **Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0104 | EA | 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 108.69 | 28.49 |
| 33 31 11 00-0105 | EA | 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 141.30 | 37.58 |
| 33 31 11 00-0106 | EA | 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 295.36 | 50.72 |
| 33 31 11 00-0107 | EA | 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 536.68 | 61.35 |
| 33 31 11 00-0108 | EA | 2" x 2" x 1-1/2" x 1-1/2 Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 133.96 | 37.58 |
| 33 31 11 00-0109 | EA | 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 239.32 | 50.72 |
| 33 31 11 00-0110 | EA | 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain | 444.12 | 61.35 |
| **33 31 11 00-0111** | | **Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0112 | EA | 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 83.36 | 22.02 |
| 33 31 11 00-0113 | EA | 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 104.02 | 28.49 |
| 33 31 11 00-0114 | EA | 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 217.68 | 37.58 |
| 33 31 11 00-0115 | EA | 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 404.85 | 46.67 |
| 33 31 11 00-0116 | EA | 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 169.74 | 28.49 |
| 33 31 11 00-0117 | EA | 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 277.20 | 37.58 |
| 33 31 11 00-0118 | EA | 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 194.40 | 37.58 |
| 33 31 11 00-0119 | EA | 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 376.95 | 46.67 |
| 33 31 11 00-0120 | EA | 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 402.47 | 46.67 |
| **33 31 11 00-0121** | | **Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0122 | EA | 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 123.71 | 28.49 |
| 33 31 11 00-0123 | EA | 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 142.97 | 37.58 |
| 33 31 11 00-0124 | EA | 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 226.47 | 50.72 |
| 33 31 11 00-0125 | EA | 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 884.59 | 61.35 |
| 33 31 11 00-0126 | EA | 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain | 2,979.21 | 67.92 |
| **33 31 11 00-0127** | | **Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0128 | EA | 4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain | 670.17 | 119.72 |
| 33 31 11 00-0129 | EA | 6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain | 1,657.13 | 154.46 |
| 33 31 11 00-0130 | EA | 8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain | 2,101.35 | 217.65 |
| 33 31 11 00-0131 | EA | 10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain | 2,879.25 | 350.12 |
| **33 31 11 00-0132** | | **Couplings, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0133 | EA | 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain | 29.47 | 14.57 |
| 33 31 11 00-0134 | EA | 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain | 36.55 | 18.73 |
| 33 31 11 00-0135 | EA | 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain | 59.43 | 25.09 |
| 33 31 11 00-0136 | EA | 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain | 79.56 | 29.25 |
| 33 31 11 00-0137 | EA | 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain | 254.23 | 38.02 |
| 33 31 11 00-0138 | EA | 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain | 646.25 | 51.17 |
| 33 31 11 00-0139 | EA | 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain | 984.85 | 68.14 |
| 33 31 11 00-0140 | EA | 12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain | 1,639.72 | 90.76 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 31 11 00-0141** | | **Adapters, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0142 | EA | 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting | 134.87 | 75.67 |
| 33 31 11 00-0143 | EA | 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting | 93.52 | 57.56 |
| 33 31 11 00-0144 | EA | 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting | 96.65 | 57.56 |
| 33 31 11 00-0145 | EA | 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting | 104.94 | 57.56 |
| 33 31 11 00-0146 | EA | 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting | 137.14 | 75.67 |
| 33 31 11 00-0147 | EA | 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting | 130.51 | 75.67 |
| 33 31 11 00-0148 | EA | 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting | 119.62 | 75.67 |
| 33 31 11 00-0149 | EA | 4" Drain Grate, Drain And Sewer Fitting | 66.45 | 38.91 |
| **33 31 11 00-0150** | | **Caps, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0151 | EA | 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting | 42.52 | 15.66 |
| 33 31 11 00-0152 | EA | 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting | 72.33 | 19.50 |
| 33 31 11 00-0153 | EA | 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting | 140.84 | 25.20 |
| **33 31 11 00-0154** | | **Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)* | | |
| 33 31 11 00-0155 | EA | 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain | 25.65 | 14.57 |
| 33 31 11 00-0156 | EA | 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain | 33.43 | 18.84 |
| 33 31 11 00-0157 | EA | 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain | 50.34 | 25.31 |
| 33 31 11 00-0158 | EA | 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain | 67.51 | 29.25 |
| 33 31 11 00-0159 | EA | 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain | 119.60 | 38.02 |
| 33 31 11 00-0160 | EA | 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain | 479.32 | 51.17 |
| **33 31 11 00-0161** | | **Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0017)*<br>Note: ASTM 3034. | | |
| 33 31 11 00-0162 | LF | 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe | 19.17 | 7.49 |
| | | *For SDR 26, Add* | *0.82* | |
| 33 31 11 00-0163 | LF | 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe | 25.42 | 8.71 |
| | | *For SDR 26, Add* | *1.57* | |
| 33 31 11 00-0164 | LF | 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe | 33.86 | 10.13 |
| | | *For SDR 26, Add* | *2.67* | |
| 33 31 11 00-0165 | LF | 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe | 41.37 | 10.49 |
| | | *For SDR 26, Add* | *4.00* | |
| 33 31 11 00-0166 | LF | 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe | 50.43 | 10.86 |
| | | *For SDR 26, Add* | *5.63* | |
| 33 31 11 00-0167 | LF | 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe | 65.57 | 11.24 |
| | | *For SDR 26, Add* | *8.45* | |
| 33 31 11 00-0168 | LF | 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe | 82.88 | 11.65 |
| 33 31 11 00-0169 | LF | 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe | 107.45 | 12.65 |
| 33 31 11 00-0170 | LF | 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe | 130.18 | 13.65 |
| 33 31 11 00-0171 | LF | 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe | 161.80 | 16.01 |
| **33 31 11 00-0172** | | **Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0017)*<br>Note: ASTM 3034. | | |
| 33 31 11 00-0173 | LF | 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe | 18.49 | 7.49 |
| | | *For SDR 26, Add* | *0.69* | |
| 33 31 11 00-0174 | LF | 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe | 24.47 | 8.71 |
| | | *For SDR 26, Add* | *1.38* | |
| 33 31 11 00-0175 | LF | 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe | 32.57 | 10.13 |
| | | *For SDR 26, Add* | *2.41* | |
| **33 31 11 00-0176** | | **Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0017)*<br>Note: ASTM 3034. | | |
| **33 31 11 00-0177** | | **1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0176)* | | |
| 33 31 11 00-0178 | EA | 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 89.37 | 27.41 |
| | | *For SDR 26, Add* | *4.19* | |
| 33 31 11 00-0179 | EA | 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 133.47 | 31.87 |
| | | *For SDR 26, Add* | *7.71* | |
| 33 31 11 00-0180 | EA | 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 282.79 | 36.11 |
| | | *For SDR 26, Add* | *21.34* | |
| 33 31 11 00-0181 | EA | 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 818.36 | 42.49 |
| | | *For SDR 26, Add* | *71.76* | |
| 33 31 11 00-0182 | EA | 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,057.58 | 54.18 |
| | | *For SDR 26, Add* | *92.86* | |
| **33 31 11 00-0183** | | **1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0176)* | | |
| 33 31 11 00-0184 | EA | 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 80.39 | 27.41 |
| | | *For SDR 26, Add* | *3.33* | |
| 33 31 11 00-0185 | EA | 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 123.57 | 31.87 |
| | | *For SDR 26, Add* | *6.76* | |
| 33 31 11 00-0186 | EA | 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 257.75 | 36.11 |
| | | *For SDR 26, Add* | *18.93* | |
| 33 31 11 00-0187 | EA | 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 582.65 | 42.49 |
| | | *For SDR 26, Add* | *49.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 31 11 00-0188 | EA | 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 833.46 | 54.18 |
| | | *For SDR 26, Add* | *71.34* | |
| 33 31 11 00-0189 | EA | 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,791.59 | 76.48 |
| | | *For SDR 26, Add* | *159.76* | |
| 33 31 11 00-0190 | EA | 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 2,844.09 | 108.35 |
| 33 31 11 00-0191 | EA | 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 4,749.90 | 143.40 |
| 33 31 11 00-0192 | EA | 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 6,477.09 | 191.20 |
| **33 31 11 00-0193** | | **Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0176)* | | |
| 33 31 11 00-0194 | EA | 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 135.32 | 41.11 |
| | | *For SDR 26, Add* | *6.41* | |
| 33 31 11 00-0195 | EA | 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 220.55 | 45.57 |
| | | *For SDR 26, Add* | *13.88* | |
| 33 31 11 00-0196 | EA | 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 248.29 | 47.80 |
| | | *For SDR 26, Add* | *16.19* | |
| 33 31 11 00-0197 | EA | 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 274.45 | 50.03 |
| | | *For SDR 26, Add* | *18.34* | |
| 33 31 11 00-0198 | EA | 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 314.95 | 52.26 |
| | | *For SDR 26, Add* | *21.87* | |
| 33 31 11 00-0199 | EA | 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 609.27 | 54.49 |
| | | *For SDR 26, Add* | *49.77* | |
| 33 31 11 00-0200 | EA | 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 782.19 | 55.77 |
| | | *For SDR 26, Add* | *66.17* | |
| 33 31 11 00-0201 | EA | 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 887.18 | 58.43 |
| | | *For SDR 26, Add* | *75.83* | |
| 33 31 11 00-0202 | EA | 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,313.41 | 60.65 |
| | | *For SDR 26, Add* | *116.39* | |
| 33 31 11 00-0203 | EA | 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,713.91 | 63.73 |
| | | *For SDR 26, Add* | *154.34* | |
| 33 31 11 00-0204 | EA | 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 962.54 | 67.88 |
| | | *For SDR 26, Add* | *81.54* | |
| 33 31 11 00-0205 | EA | 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,022.10 | 70.11 |
| | | *For SDR 26, Add* | *86.90* | |
| 33 31 11 00-0206 | EA | 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,462.11 | 72.34 |
| | | *For SDR 26, Add* | *128.79* | |
| 33 31 11 00-0207 | EA | 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 2,112.82 | 75.42 |
| | | *For SDR 26, Add* | *190.77* | |
| 33 31 11 00-0208 | EA | 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 2,381.51 | 81.26 |
| | | *For SDR 26, Add* | *215.62* | |
| **33 31 11 00-0209** | | **Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0176)* | | |
| 33 31 11 00-0210 | EA | 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 128.35 | 41.11 |
| | | *For SDR 26, Add* | *5.74* | |
| 33 31 11 00-0211 | EA | 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 197.33 | 45.57 |
| | | *For SDR 26, Add* | *11.65* | |
| 33 31 11 00-0212 | EA | 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 217.10 | 47.80 |
| | | *For SDR 26, Add* | *13.19* | |
| 33 31 11 00-0213 | EA | 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 264.49 | 50.03 |
| 33 31 11 00-0214 | EA | 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 303.07 | 52.26 |
| 33 31 11 00-0215 | EA | 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 467.37 | 54.49 |
| 33 31 11 00-0216 | EA | 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 714.78 | 56.20 |
| 33 31 11 00-0217 | EA | 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 728.99 | 58.43 |
| 33 31 11 00-0218 | EA | 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,100.43 | 60.65 |
| 33 31 11 00-0219 | EA | 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,218.12 | 63.73 |
| 33 31 11 00-0220 | EA | 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 906.33 | 67.88 |
| 33 31 11 00-0221 | EA | 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 934.77 | 70.11 |
| 33 31 11 00-0222 | EA | 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,342.42 | 72.34 |
| 33 31 11 00-0223 | EA | 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,619.16 | 75.42 |
| 33 31 11 00-0224 | EA | 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,690.26 | 81.26 |
| 33 31 11 00-0225 | EA | 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 2,083.39 | 97.73 |
| 33 31 11 00-0226 | EA | 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 2,312.04 | 103.57 |
| 33 31 11 00-0227 | EA | 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 2,892.64 | 114.72 |
| **33 31 11 00-0228** | | **Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0176)* | | |
| 33 31 11 00-0229 | EA | 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 88.58 | 27.41 |
| | | *For SDR 26, Add* | *4.12* | |
| 33 31 11 00-0230 | EA | 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 138.76 | 31.87 |
| | | *For SDR 26, Add* | *8.22* | |
| 33 31 11 00-0231 | EA | 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 206.02 | 36.32 |
| | | *For SDR 26, Add* | *13.97* | |
| 33 31 11 00-0232 | EA | 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 393.70 | 42.49 |
| | | *For SDR 26, Add* | *30.99* | |
| 33 31 11 00-0233 | EA | 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 559.41 | 54.18 |
| | | *For SDR 26, Add* | *45.04* | |
| 33 31 11 00-0234 | EA | 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,098.06 | 76.48 |
| | | *For SDR 26, Add* | *93.18* | |
| 33 31 11 00-0235 | EA | 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 2,069.96 | 108.35 |
| 33 31 11 00-0236 | EA | 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 3,458.97 | 143.40 |
| 33 31 11 00-0237 | EA | 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 5,009.45 | 191.20 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

## 33 31 11 00-0238 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0176)*

| | | | | |
|---|---|---|---|---|
| 33 31 11 00-0239 | EA | 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 172.51 | 29.64 |
| | | *For SDR 26, Add* | *11.82* | |
| 33 31 11 00-0240 | EA | 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 248.57 | 31.87 |
| | | *For SDR 26, Add* | *18.76* | |
| 33 31 11 00-0241 | EA | 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 262.07 | 34.09 |
| | | *For SDR 26, Add* | *19.70* | |
| 33 31 11 00-0242 | EA | 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 595.54 | 37.18 |
| | | *For SDR 26, Add* | *51.23* | |
| 33 31 11 00-0243 | EA | 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 684.89 | 39.41 |
| | | *For SDR 26, Add* | *59.45* | |
| 33 31 11 00-0244 | EA | 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 765.39 | 43.02 |
| | | *For SDR 26, Add* | *66.59* | |
| 33 31 11 00-0245 | EA | 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 879.00 | 45.25 |
| | | *For SDR 26, Add* | *77.14* | |
| 33 31 11 00-0246 | EA | 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,008.34 | 48.33 |
| | | *For SDR 26, Add* | *89.07* | |
| 33 31 11 00-0247 | EA | 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) | 1,519.10 | 65.32 |
| | | *For SDR 26, Add* | *135.38* | |

## 33 31 11 00-0248 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0176)*

| | | | | |
|---|---|---|---|---|
| 33 31 11 00-0249 | EA | 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 141.78 | |
| | | *For SDR 26, Add* | *8.51* | |
| 33 31 11 00-0250 | EA | 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 187.78 | |
| | | *For SDR 26, Add* | *11.91* | |
| 33 31 11 00-0251 | EA | 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 192.08 | |
| | | *For SDR 26, Add* | *12.32* | |
| 33 31 11 00-0252 | EA | 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 320.35 | |
| | | *For SDR 26, Add* | *23.62* | |
| 33 31 11 00-0253 | EA | 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 338.35 | |
| | | *For SDR 26, Add* | *25.34* | |
| 33 31 11 00-0254 | EA | 10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 648.09 | |
| | | *For SDR 26, Add* | *55.08* | |
| 33 31 11 00-0255 | EA | 12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 364.46 | |
| | | *For SDR 26, Add* | *26.32* | |
| 33 31 11 00-0256 | EA | 12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 398.21 | |
| | | *For SDR 26, Add* | *29.56* | |
| 33 31 11 00-0257 | EA | 12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 898.27 | |
| | | *For SDR 26, Add* | *77.57* | |
| 33 31 11 00-0258 | EA | 12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 1,060.78 | |
| | | *For SDR 26, Add* | *93.17* | |
| 33 31 11 00-0259 | EA | 15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 416.39 | |
| | | *For SDR 26, Add* | *27.74* | |
| 33 31 11 00-0260 | EA | 15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 445.84 | |
| | | *For SDR 26, Add* | *30.56* | |

## 33 31 11 00-0261 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0176)*

| | | | | |
|---|---|---|---|---|
| 33 31 11 00-0262 | EA | 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 151.86 | |
| | | *For SDR 26, Add* | *9.48* | |
| 33 31 11 00-0263 | EA | 8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 187.78 | |
| | | *For SDR 26, Add* | *11.91* | |
| 33 31 11 00-0264 | EA | 8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 205.80 | |
| | | *For SDR 26, Add* | *13.64* | |
| 33 31 11 00-0265 | EA | 10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 293.64 | |
| | | *For SDR 26, Add* | *21.05* | |
| 33 31 11 00-0266 | EA | 10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 336.20 | |
| | | *For SDR 26, Add* | *25.14* | |
| 33 31 11 00-0267 | EA | 10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 513.65 | |
| | | *For SDR 26, Add* | *42.17* | |
| 33 31 11 00-0268 | EA | 12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 362.32 | |
| | | *For SDR 26, Add* | *26.11* | |
| 33 31 11 00-0269 | EA | 12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 396.17 | |
| | | *For SDR 26, Add* | *29.36* | |
| 33 31 11 00-0270 | EA | 12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 597.26 | |
| | | *For SDR 26, Add* | *48.67* | |
| 33 31 11 00-0271 | EA | 12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 728.50 | |
| | | *For SDR 26, Add* | *61.27* | |
| 33 31 11 00-0272 | EA | 15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 415.06 | |
| | | *For SDR 26, Add* | *27.61* | |
| 33 31 11 00-0273 | EA | 15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 435.86 | |
| | | *For SDR 26, Add* | *29.61* | |
| 33 31 11 00-0274 | EA | 15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 733.19 | |
| | | *For SDR 26, Add* | *58.15* | |
| 33 31 11 00-0275 | EA | 15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 812.38 | |
| | | *For SDR 26, Add* | *65.75* | |
| 33 31 11 00-0276 | EA | 15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) | 1,152.77 | |
| | | *For SDR 26, Add* | *98.43* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 31 11 00-0277 | | Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings *(33 31 11 00-0017)* Note: ASTM F949. | | |
| 33 31 11 00-0278 | | Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe *(33 31 11 00-0277)* | | |
| 33 31 11 00-0279 | LF | 4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe | 17.43 | 7.49 |
| 33 31 11 00-0280 | LF | 6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe | 23.66 | 8.71 |
| 33 31 11 00-0281 | LF | 8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe | 29.63 | 10.13 |
| 33 31 11 00-0282 | LF | 10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe | 34.45 | 10.49 |
| 33 31 11 00-0283 | LF | 12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe | 36.35 | 10.86 |
| 33 31 11 00-0284 | LF | 15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe | 42.13 | 11.24 |
| 33 31 11 00-0285 | LF | 18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe | 52.60 | 11.65 |
| 33 31 11 00-0286 | LF | 21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe | 60.99 | 12.65 |
| 33 31 11 00-0287 | LF | 24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe | 73.98 | 13.65 |
| 33 31 11 00-0288 | LF | 30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe | 105.71 | 18.36 |
| 33 31 11 00-0289 | | 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0277)* | | |
| 33 31 11 00-0290 | EA | 4" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 60.43 | |
| 33 31 11 00-0291 | EA | 6" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 81.18 | |
| 33 31 11 00-0292 | EA | 8" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 111.68 | |
| 33 31 11 00-0293 | EA | 10" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 186.46 | |
| 33 31 11 00-0294 | EA | 12" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 201.69 | |
| 33 31 11 00-0295 | EA | 15" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 331.78 | |
| 33 31 11 00-0296 | EA | 18" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 522.03 | |
| 33 31 11 00-0297 | EA | 21" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 734.98 | |
| 33 31 11 00-0298 | EA | 24" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 947.88 | |
| 33 31 11 00-0299 | EA | 30" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 1,246.13 | |
| 33 31 11 00-0300 | | 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0277)* | | |
| 33 31 11 00-0301 | EA | 4" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 56.75 | |
| 33 31 11 00-0302 | EA | 6" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 75.72 | |
| 33 31 11 00-0303 | EA | 8" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 103.73 | |
| 33 31 11 00-0304 | EA | 10" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 171.52 | |
| 33 31 11 00-0305 | EA | 12" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 186.04 | |
| 33 31 11 00-0306 | EA | 15" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 304.15 | |
| 33 31 11 00-0307 | EA | 18" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 476.98 | |
| 33 31 11 00-0308 | EA | 21" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 668.11 | |
| 33 31 11 00-0309 | EA | 24" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 859.29 | |
| 33 31 11 00-0310 | EA | 30" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 1,127.92 | |
| 33 31 11 00-0311 | | 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0277)* | | |
| 33 31 11 00-0312 | EA | 4" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 51.21 | |
| 33 31 11 00-0313 | EA | 6" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 64.20 | |
| 33 31 11 00-0314 | EA | 8" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 97.84 | |
| 33 31 11 00-0315 | EA | 10" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 123.63 | |
| 33 31 11 00-0316 | EA | 12" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 169.44 | |
| 33 31 11 00-0317 | EA | 15" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 274.78 | |
| 33 31 11 00-0318 | EA | 18" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 399.75 | |
| 33 31 11 00-0319 | EA | 21" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 599.69 | |
| 33 31 11 00-0320 | EA | 24" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 799.63 | |
| 33 31 11 00-0321 | EA | 30" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 1,125.09 | |
| 33 31 11 00-0322 | | Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0277)* | | |
| 33 31 11 00-0323 | EA | 4" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 93.90 | |
| 33 31 11 00-0324 | EA | 6" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 120.86 | |
| 33 31 11 00-0325 | EA | 8" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 210.03 | |
| 33 31 11 00-0326 | EA | 10" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 333.43 | |
| 33 31 11 00-0327 | EA | 12" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 547.72 | |
| 33 31 11 00-0328 | EA | 15" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 779.97 | |
| 33 31 11 00-0329 | EA | 18" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 1,129.63 | |
| 33 31 11 00-0330 | EA | 21" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 1,297.22 | |
| 33 31 11 00-0331 | EA | 24" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 1,464.76 | |
| 33 31 11 00-0332 | EA | 30" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 2,637.33 | |
| 33 31 11 00-0333 | | Tees, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0277)* | | |
| 33 31 11 00-0334 | EA | 4" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 86.35 | |
| 33 31 11 00-0335 | EA | 6" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 110.50 | |
| 33 31 11 00-0336 | EA | 8" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 188.85 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 31 11 00-0337 | EA | 10" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 297.25 | |
| 33 31 11 00-0338 | EA | 12" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 484.14 | |
| 33 31 11 00-0339 | EA | 15" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 688.20 | |
| 33 31 11 00-0340 | EA | 18" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 995.25 | |
| 33 31 11 00-0341 | EA | 21" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 1,141.36 | |
| 33 31 11 00-0342 | EA | 24" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 1,287.45 | |
| 33 31 11 00-0343 | EA | 30" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) | 2,304.19 | |
| 33 31 11 00-0344 | | Couplings And Plug Fittings *(33 31 11)* | | |
| 33 31 11 00-0345 | | Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0344)* | | |
| | | Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps. | | |
| 33 31 11 00-0346 | EA | 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150) | 20.81 | 7.11 |
| 33 31 11 00-0347 | EA | 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22) | 22.72 | 8.30 |
| 33 31 11 00-0348 | EA | 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33) | 26.45 | 9.48 |
| 33 31 11 00-0349 | EA | 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44) | 30.11 | 10.08 |
| 33 31 11 00-0350 | EA | 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55) | 37.35 | 10.67 |
| 33 31 11 00-0351 | EA | 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66) | 44.63 | 11.86 |
| 33 31 11 00-0352 | EA | 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88) | 57.58 | 13.04 |
| 33 31 11 00-0353 | EA | 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010) | 71.84 | 13.63 |
| 33 31 11 00-0354 | EA | 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212) | 121.41 | 14.23 |
| 33 31 11 00-0355 | EA | 15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515) | 166.82 | 15.42 |
| 33 31 11 00-0356 | EA | 18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818) | 326.37 | 16.00 |
| 33 31 11 00-0357 | EA | 21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121) | 379.81 | 16.90 |
| 33 31 11 00-0358 | EA | 24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424) | 421.13 | 17.79 |
| 33 31 11 00-0359 | EA | 27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727) | 505.11 | 18.98 |
| 33 31 11 00-0360 | | Manhole Inside Bowl Drop *(33 31 11)* | | |
| 33 31 11 00-0361 | EA | Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB) | 344.49 | |
| 33 31 11 00-0362 | EA | Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96) | 361.34 | |
| 33 31 11 00-0363 | EA | Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB) | 370.47 | |
| 33 31 11 00-0364 | EA | Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96) | 383.30 | |
| 33 31 11 00-0365 | EA | Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB) | 398.39 | |
| 33 31 11 00-0366 | EA | Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84) | 427.53 | |
| 33 31 11 00-0367 | EA | Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB) | 445.22 | |
| 33 31 11 00-0368 | EA | Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96) | 459.79 | |
| 33 31 11 00-0369 | EA | Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60) | 792.87 | |
| 33 31 11 00-0370 | EA | Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96) | 814.73 | |

## 33 32 Sanitary Sewerage Equipment *(33 30)*

### 33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

| | | | | |
|---|---|---|---|---|
| 33 32 16 00-0001 | | Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)* | | |
| 33 32 16 00-0002 | EA | 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge<br>Note: Zoeller 840 series. | 2,187.87 | 351.43 |
| 33 32 16 00-0003 | EA | 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge<br>Note: Zoeller 840 series. | 2,157.17 | 351.43 |
| 33 32 16 00-0004 | EA | Simplex Control Panel With Auto Reversing Switch<br>Note: For Zoeller 840 series grinder pump. | 1,031.33 | 117.10 |
| 33 32 16 00-0005 | EA | Duplex Control Panel With Auto Reversing Switch<br>Note: For Zoeller 840 series grinder pump. | 1,601.82 | 117.10 |
| 33 32 16 00-0006 | EA | Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74) | 13,716.40 | |
| 33 32 16 00-0007 | | Submersible Grinder Pumps *(33 32 16)*<br>Note: Includes 50' of cord with pumps unless otherwise noted. | | |
| 33 32 16 00-0008 | EA | 2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof | 3,892.56 | 741.20 |
| 33 32 16 00-0009 | EA | 3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof | 5,791.43 | 864.74 |
| 33 32 16 00-0010 | EA | 5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof | 7,097.92 | 1,111.81 |

## 33 34 Onsite Wastewater Disposal *(33 30)*

Note: Excludes distribution field piping, trenching or excavation.

### 33 34 13 Septic Tanks *(33 34)*

#### 33 34 13 13 Concrete Septic Tanks *(33 34 13)*

| | | | | |
|---|---|---|---|---|
| 33 34 13 13-0001 | | Precast Concrete Septic Tank *(33 34 13 13)*<br>Note: Includes external coating. | | |
| 33 34 13 13-0002 | EA | 1,000 Gallon Precast Septic Tank | 4,262.19 | 741.20 |
| | | *For Non-Traffic Rated, Deduct* | *-837.98* | |
| 33 34 13 13-0003 | EA | 1,250 Gallon Precast Septic Tank | 5,131.75 | 818.17 |
| | | *For Non-Traffic Rated, Deduct* | *-1,031.81* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 34 13 13-0004 | EA | 1,500 Gallon Precast Septic Tank | 5,967.41 | 895.01 |
| | | *For Non-Traffic Rated, Deduct* | *-1,217.14* | |
| 33 34 13 13-0005 | EA | 2,000 Gallon Precast Septic Tank | 7,682.98 | 972.83 |
| | | *For Non-Traffic Rated, Deduct* | *-1,623.01* | |
| 33 34 13 13-0006 | EA | 2,500 Gallon Precast Septic Tank | 9,130.76 | 1,343.43 |
| | | *For Non-Traffic Rated, Deduct* | *-1,871.76* | |
| 33 34 13 13-0007 | EA | 4,000 Gallon Precast Septic Tank | 24,503.00 | 1,853.01 |
| | | *For Non-Traffic Rated, Deduct* | *-5,557.49* | |
| 33 34 13 13-0008 | EA | 5,000 Gallon Precast Septic Tank | 44,633.96 | 2,779.52 |
| | | *For Non-Traffic Rated, Deduct* | *-10,308.53* | |
| 33 34 13 13-0009 | EA | 7,500 Gallon Precast Septic Tank | 49,947.62 | 3,891.32 |
| | | *For Non-Traffic Rated, Deduct* | *-11,303.04* | |
| 33 34 13 13-0010 | EA | 10,000 Gallon Precast Septic Tank | 61,258.82 | 4,655.76 |
| | | *For Non-Traffic Rated, Deduct* | *-13,894.06* | |
| 33 34 13 13-0011 | EA | 12,500 Gallon Precast Septic Tank | 72,349.03 | 5,767.56 |
| | | *For Non-Traffic Rated, Deduct* | *-16,311.45* | |

### 33 34 13 23 Fiberglass Septic Tank *(33 34 13)*

#### 33 34 13 23-0001 Fiberglass Septic Tank *(33 34 13 23)*

| | | | | |
|---|---|---|---|---|
| 33 34 13 23-0002 | EA | 1,000 Gallon Fiberglass Septic Tank | 4,788.27 | 555.90 |
| 33 34 13 23-0003 | EA | 1,250 Gallon Fiberglass Septic Tank | 5,628.73 | 741.20 |
| 33 34 13 23-0004 | EA | 1,500 Gallon Fiberglass Septic Tank | 6,499.93 | 671.78 |
| 33 34 13 23-0005 | EA | 2,000 Gallon Fiberglass Septic Tank | 10,912.98 | 727.24 |
| 33 34 13 23-0006 | EA | 2,500 Gallon Fiberglass Septic Tank | 13,690.23 | 1,008.04 |
| 33 34 13 23-0007 | EA | 4,000 Gallon Fiberglass Septic Tank | 21,732.28 | 1,389.76 |
| 33 34 13 23-0008 | EA | 5,000 Gallon Fiberglass Septic Tank | 32,251.99 | 2,084.64 |
| 33 34 13 23-0009 | EA | 7,500 Gallon Fiberglass Septic Tank | 44,276.24 | 2,918.49 |
| 33 34 13 23-0010 | EA | 10,000 Gallon Fiberglass Septic Tank | 54,340.70 | 3,488.24 |

### 33 34 13 33 Polyethylene Septic Tank *(33 34 13)*

#### 33 34 13 33-0001 High-Density Polyethylene (HDPE) Septic Tank *(33 34 13 33)*

| | | | | |
|---|---|---|---|---|
| 33 34 13 33-0002 | EA | 300 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank | 1,318.74 | 215.58 |
| 33 34 13 33-0003 | EA | 500 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank | 2,053.37 | 242.53 |
| 33 34 13 33-0004 | EA | 900 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank | 2,865.47 | 296.43 |
| 33 34 13 33-0005 | EA | 1,000 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank | 2,937.68 | 323.37 |
| 33 34 13 33-0006 | EA | 1,250 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank | 3,410.50 | 350.32 |
| 33 34 13 33-0007 | EA | 1,500 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank | 4,103.23 | 377.27 |
| 33 34 13 33-0008 | EA | 750 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank | 2,892.73 | 269.48 |
| 33 34 13 33-0009 | EA | 1,000 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank | 3,147.14 | 323.37 |
| 33 34 13 33-0010 | EA | 1,250 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank | 3,708.97 | 350.32 |
| 33 34 13 33-0011 | EA | 1,500 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank | 4,365.06 | 377.27 |

### 33 34 51 Drainage Field System *(33 34)*

#### 33 34 51 00-0001 Leaching Pit - Precast Concrete *(33 34 51)*

Note: Includes external coating.

| | | | | |
|---|---|---|---|---|
| 33 34 51 00-0002 | EA | 3' Diameter, 3' High, Precast Concrete Leaching Pit | 1,005.59 | 108.71 |
| 33 34 51 00-0003 | EA | 4' Diameter, 3' High, Precast Concrete Leaching Pit | 1,419.40 | 154.41 |
| 33 34 51 00-0004 | EA | 6' Diameter, 3' High, Precast Concrete Leaching Pit | 1,890.64 | 185.30 |
| 33 34 51 00-0005 | EA | 8' Diameter, 4' High, Precast Concrete Leaching Pit | 3,074.97 | 308.84 |
| 33 34 51 00-0006 | EA | 10' Diameter, 4' High, Precast Concrete Leaching Pit | 4,495.17 | 432.37 |

### 33 34 53 Distribution Chambers *(33 34)*

### 33 34 53 13 Drainage Field Concrete Distribution Chambers *(33 34 53)*

#### 33 34 53 13-0001 Concrete Distribution Boxes *(33 34 53 13)*

Note: Includes internal and external coating.

| | | | | |
|---|---|---|---|---|
| 33 34 53 13-0002 | EA | 3 Outlet Concrete Distribution Box | 364.68 | 76.30 |
| 33 34 53 13-0003 | EA | 5 Outlet Concrete Distribution Box | 424.00 | 91.56 |
| 33 34 53 13-0004 | EA | 8 Outlet Concrete Distribution Box | 750.38 | 106.82 |
| 33 34 53 13-0005 | EA | 12 Outlet Concrete Distribution Box | 1,486.84 | 183.12 |

#### 33 34 53 13-0006 Leaching Field Chambers - Precast Concrete *(33 34 53 13)*

| | | | | |
|---|---|---|---|---|
| 33 34 53 13-0007 | EA | Standard Leaching Field Chamber 13' x 3'-7" x 1'-4" | 1,217.64 | 102.15 |
| 33 34 53 13-0008 | EA | Heavy-Duty Leaching Field Chamber 13' x 3'-9" x 1'-6" | 1,488.30 | 139.29 |

### 33 34 53 33 Drainage Field Polyethylene Distribution Chambers *(33 34 53)*

#### 33 34 53 33-0001 Leaching Field Chambers - High-Density Polyethylene (HDPE) *(33 34 53 33)*

| | | | | |
|---|---|---|---|---|
| 33 34 53 33-0002 | LF | 16" Wide x 11" High, High-Density Polyethylene (HDPE) Leaching Field Chamber | 23.42 | 6.38 |
| 33 34 53 33-0003 | LF | 22" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber | 30.25 | 6.92 |
| 33 34 53 33-0004 | LF | 34" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber | 40.95 | 7.54 |
| 33 34 53 33-0005 | LF | 34" Wide x 16" High, High-Density Polyethylene (HDPE) Leaching Field Chamber | 59.55 | 8.29 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 33 34 56 Drainage Field Dosing Chambers *(33 34)*

33 34 56 00-0001 Dosing Siphon *(33 34 56)*

| | | | | |
|---|---|---|---|---|
| 33 34 56 00-0002 | EA | Dosing Siphon With Electrical Connection And Solenoid Valve | 6,143.60 | |
| 33 34 56 00-0003 | EA | Solar Power Control For Dosing Siphon | 4,230.09 | |
| 33 34 56 00-0004 | EA | Electrical Power Control For Dosing Siphon | 4,064.67 | |

## 33 40 Stormwater Utilities *(33)*

### 33 41 Subdrainage *(33 40)*

#### 33 41 16 Subdrainage Piping *(33 41)*

##### 33 41 16 13 Subdrainage Piping *(33 41 16)*

See CSI section 33 42 11 00-0241 for polyethylene drain pipe.

33 41 16 13-0001 Corrugated High-Density Polyethylene (HDPE) Drainage Piping *(33 41 16 13)*

33 41 16 13-0002 Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0001)*
Note: Excludes couplings and gaskets.

33 41 16 13-0003 Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

| | | | | |
|---|---|---|---|---|
| 33 41 16 13-0004 | LF | 4" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 6.79 | 5.58 |
| | | *For <100, Add* | *1.18* | |
| | | *For >1,000, Deduct* | *-0.62* | |
| 33 41 16 13-0005 | LF | 6" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 8.67 | 5.98 |
| | | *For <100, Add* | *1.33* | |
| | | *For >1,000, Deduct* | *-0.73* | |
| 33 41 16 13-0006 | LF | 8" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 11.03 | 6.28 |
| | | *For <100, Add* | *1.49* | |
| | | *For >1,000, Deduct* | *-0.87* | |
| 33 41 16 13-0007 | LF | 10" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 15.25 | 6.47 |
| | | *For <100, Add* | *1.73* | |
| | | *For >1,000, Deduct* | *-1.09* | |
| 33 41 16 13-0008 | LF | 12" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 18.02 | 7.07 |
| | | *For <100, Add* | *1.96* | |
| | | *For >1,000, Deduct* | *-1.25* | |
| 33 41 16 13-0009 | LF | 15" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 23.92 | 7.97 |
| | | *For <100, Add* | *2.39* | |
| | | *For >1,000, Deduct* | *-1.59* | |
| 33 41 16 13-0010 | LF | 18" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 37.65 | 12.68 |
| | | *For <100, Add* | *3.78* | |
| | | *For >1,000, Deduct* | *-2.52* | |
| 33 41 16 13-0011 | LF | 24" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 52.92 | 13.93 |
| | | *For <100, Add* | *4.74* | |
| | | *For >1,000, Deduct* | *-3.34* | |

33 41 16 13-0012 Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

| | | | | |
|---|---|---|---|---|
| 33 41 16 13-0013 | LF | 4" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 6.61 | 5.58 |
| | | *For <100, Add* | *1.17* | |
| | | *For >1,000, Deduct* | *-0.61* | |
| 33 41 16 13-0014 | LF | 6" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 8.59 | 5.98 |
| | | *For <100, Add* | *1.33* | |
| | | *For >1,000, Deduct* | *-0.73* | |
| 33 41 16 13-0015 | LF | 8" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 14.30 | 6.28 |
| | | *For <100, Add* | *1.66* | |
| | | *For >1,000, Deduct* | *-1.03* | |
| 33 41 16 13-0016 | LF | 10" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 16.97 | 6.47 |
| | | *For <100, Add* | *1.82* | |
| | | *For >1,000, Deduct* | *-1.17* | |
| 33 41 16 13-0017 | LF | 12" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 19.91 | 7.07 |
| | | *For <100, Add* | *2.06* | |
| | | *For >1,000, Deduct* | *-1.35* | |
| 33 41 16 13-0018 | LF | 15" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 23.72 | 7.97 |
| | | *For <100, Add* | *2.38* | |
| | | *For >1,000, Deduct* | *-1.58* | |
| 33 41 16 13-0019 | LF | 18" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 36.41 | 12.68 |
| | | *For <100, Add* | *3.72* | |
| | | *For >1,000, Deduct* | *-2.45* | |
| 33 41 16 13-0020 | LF | 24" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 50.95 | 13.93 |
| | | *For <100, Add* | *4.64* | |
| | | *For >1,000, Deduct* | *-3.24* | |

33 41 16 13-0021 Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 41 16 13-0001)*
Note: Excludes couplings and gaskets.

33 41 16 13-0022 Tees, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 41 16 13-0023 | EA | 4" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 49.66 | 25.50 |
| 33 41 16 13-0024 | EA | 6" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 59.31 | 29.76 |
| 33 41 16 13-0025 | EA | 8" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 101.26 | 36.14 |
| 33 41 16 13-0026 | EA | 10" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 130.71 | 44.64 |
| 33 41 16 13-0027 | EA | 12" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 199.46 | 53.14 |
| 33 41 16 13-0028 | EA | 15" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 452.04 | 69.44 |
| 33 41 16 13-0029 | EA | 18" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 536.22 | 93.52 |
| 33 41 16 13-0030 | EA | 24" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 1,043.62 | 106.28 |
| **33 41 16 13-0031** | | **Wyes, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)* | | |
| 33 41 16 13-0032 | EA | 4" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 51.37 | 25.50 |
| 33 41 16 13-0033 | EA | 6" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 64.87 | 29.76 |
| 33 41 16 13-0034 | EA | 8" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 159.52 | 36.14 |
| **33 41 16 13-0035** | | **45 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)* | | |
| 33 41 16 13-0036 | EA | 4" 45 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 33.68 | 17.01 |
| **33 41 16 13-0037** | | **90 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)* | | |
| 33 41 16 13-0038 | EA | 4" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 35.47 | 17.01 |
| 33 41 16 13-0039 | EA | 6" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 46.74 | 19.84 |
| 33 41 16 13-0040 | EA | 8" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 71.65 | 24.09 |
| 33 41 16 13-0041 | EA | 10" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE) | 95.25 | 29.76 |
| **33 41 16 13-0042** | | **Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729** *(33 41 16 13)* Note: Includes fittings, couplings, elbows, etc. | | |
| 33 41 16 13-0043 | LF | 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping | 7.22 | 4.14 |
| | | *For <100, Add* | *0.98* | |
| | | *For >1,000, Deduct* | *-0.57* | |
| 33 41 16 13-0044 | LF | 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping | 7.90 | 4.48 |
| | | *For <100, Add* | *1.07* | |
| | | *For >1,000, Deduct* | *-0.62* | |
| 33 41 16 13-0045 | LF | 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping | 11.26 | 5.36 |
| | | *For <100, Add* | *1.37* | |
| | | *For >1,000, Deduct* | *-0.83* | |
| 33 41 16 13-0046 | LF | 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping | 17.71 | 6.70 |
| | | *For <100, Add* | *1.89* | |
| | | *For >1,000, Deduct* | *-1.22* | |
| 33 41 16 13-0047 | LF | 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping | 29.00 | 6.98 |
| | | *For <100, Add* | *2.50* | |
| | | *For >1,000, Deduct* | *-1.80* | |
| 33 41 16 13-0048 | LF | 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping | 37.10 | 7.62 |
| | | *For <100, Add* | *3.00* | |
| | | *For >1,000, Deduct* | *-2.24* | |
| 33 41 16 13-0049 | LF | 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping | 51.33 | 8.59 |
| | | *For <100, Add* | *3.86* | |
| | | *For >1,000, Deduct* | *-3.00* | |
| **33 41 16 13-0050** | | **Perforated Non-Reinforced Concrete Drainage Piping, C444** *(33 41 16 13)* | | |
| 33 41 16 13-0051 | LF | 6" Perforated Non-Reinforced Concrete Drainage Pipe | 36.85 | 13.77 |
| | | *For Extra Strength, Add* | *2.02* | |
| | | *For >1,000, Deduct* | *-1.84* | |
| 33 41 16 13-0052 | LF | 8" Perforated Non-Reinforced Concrete Drainage Pipe | 43.03 | 15.30 |
| | | *For Extra Strength, Add* | *2.49* | |
| | | *For >1,000, Deduct* | *-2.15* | |
| 33 41 16 13-0053 | LF | 10" Perforated Non-Reinforced Concrete Drainage Pipe | 48.68 | 16.84 |
| | | *For Extra Strength, Add* | *2.89* | |
| | | *For >1,000, Deduct* | *-2.43* | |
| 33 41 16 13-0054 | LF | 12" Perforated Non-Reinforced Concrete Drainage Pipe | 57.11 | 18.36 |
| | | *For Extra Strength, Add* | *3.63* | |
| | | *For >1,000, Deduct* | *-2.86* | |
| **33 41 16 13-0055** | | **Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654** *(33 41 16 13)* Note: Bell and spigot or tongue and groove. With seals and gaskets. | | |
| 33 41 16 13-0056 | LF | 6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe | 30.60 | 13.77 |
| | | *For >1,000, Deduct* | *-1.53* | |
| 33 41 16 13-0057 | LF | 8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe | 33.86 | 15.30 |
| | | *For >1,000, Deduct* | *-1.69* | |
| 33 41 16 13-0058 | LF | 10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe | 37.35 | 16.84 |
| | | *For >1,000, Deduct* | *-1.87* | |
| 33 41 16 13-0059 | LF | 12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe | 42.62 | 17.49 |
| | | *For >1,000, Deduct* | *-2.13* | |
| 33 41 16 13-0060 | LF | 15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe | 49.49 | 19.68 |
| | | *For >1,000, Deduct* | *-2.47* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 41 16 13-0061 | LF | 18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe | 61.24 | 25.14 |
| | | *For >1,000, Deduct* | *-3.06* | |
| 33 41 16 13-0062 | LF | 21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe | 76.50 | 32.25 |
| | | *For >1,000, Deduct* | *-3.83* | |
| 33 41 16 13-0063 | LF | 24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe | 93.27 | 39.35 |
| | | *For >1,000, Deduct* | *-4.66* | |

### 33 41 16 13-0064 Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

| | | | | |
|---|---|---|---|---|
| 33 41 16 13-0065 | LF | 6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe | 28.54 | 13.77 |
| | | *For >1,000, Deduct* | *-1.43* | |
| 33 41 16 13-0066 | LF | 8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe | 36.14 | 15.30 |
| | | *For >1,000, Deduct* | *-1.81* | |
| 33 41 16 13-0067 | LF | 10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe | 45.62 | 16.84 |
| | | *For >1,000, Deduct* | *-2.28* | |
| 33 41 16 13-0068 | LF | 12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe | 55.28 | 18.36 |
| | | *For >1,000, Deduct* | *-2.76* | |
| 33 41 16 13-0069 | LF | 15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe | 63.29 | 20.43 |
| | | *For >1,000, Deduct* | *-3.16* | |
| 33 41 16 13-0070 | LF | 18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe | 81.97 | 25.48 |
| | | *For >1,000, Deduct* | *-4.10* | |

### 33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 *(33 41 16 13)*

| | | | | |
|---|---|---|---|---|
| 33 41 16 13-0072 | LF | 4" Perforated Vitrified Clay Drainage Pipe | 28.23 | 15.30 |
| 33 41 16 13-0073 | LF | 6" Perforated Vitrified Clay Drainage Pipe | 33.64 | 17.22 |
| 33 41 16 13-0074 | LF | 8" Perforated Vitrified Clay Drainage Pipe | 38.15 | 17.22 |
| 33 41 16 13-0075 | LF | 10" Perforated Vitrified Clay Drainage Pipe | 50.95 | 21.05 |
| 33 41 16 13-0076 | LF | 12" Perforated Vitrified Clay Drainage Pipe | 60.39 | 22.96 |

### 33 41 16 13-0077 Geotextile Filter Fabric Sock *(33 41 16 13)*

| | | | | |
|---|---|---|---|---|
| 33 41 16 13-0078 | LF | 3" Geotextile Filter Fabric Sock | 0.90 | |
| 33 41 16 13-0079 | LF | 4" Geotextile Filter Fabric Sock | 1.19 | |
| 33 41 16 13-0080 | LF | 6" Geotextile Filter Fabric Sock | 1.79 | |
| 33 41 16 13-0081 | LF | 8" Geotextile Filter Fabric Sock | 2.41 | |
| 33 41 16 13-0082 | LF | 10" Geotextile Filter Fabric Sock | 3.60 | |
| 33 41 16 13-0083 | LF | 12" Geotextile Filter Fabric Sock | 4.95 | |
| 33 41 16 13-0084 | LF | 15" Geotextile Filter Fabric Sock | 5.93 | |

### 33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

| | | | | |
|---|---|---|---|---|
| 33 41 16 13-0086 | LF | 6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe | 26.39 | 6.56 |
| | | *For Full Perforated, Add* | *1.33* | |
| 33 41 16 13-0087 | LF | 8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe | 33.40 | 7.95 |
| | | *For Full Perforated, Add* | *1.75* | |
| 33 41 16 13-0088 | LF | 10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe | 42.12 | 10.09 |
| | | *For Full Perforated, Add* | *2.19* | |
| 33 41 16 13-0089 | LF | 12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe | 46.79 | 11.93 |
| | | *For Full Perforated, Add* | *2.29* | |
| 33 41 16 13-0090 | LF | 15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe | 53.52 | 12.34 |
| | | *For Full Perforated, Add* | *2.88* | |
| 33 41 16 13-0091 | LF | 18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe | 60.41 | 12.80 |
| | | *For Full Perforated, Add* | *3.48* | |
| 33 41 16 13-0092 | LF | 21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe | 69.06 | 13.80 |
| | | *For Full Perforated, Add* | *4.15* | |

### 33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

| | | | | |
|---|---|---|---|---|
| 33 41 16 13-0094 | LF | 6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe | 28.52 | 6.56 |
| | | *For Full Perforated, Add* | *1.54* | |
| 33 41 16 13-0095 | LF | 8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe | 36.29 | 7.95 |
| | | *For Full Perforated, Add* | *2.04* | |
| 33 41 16 13-0096 | LF | 10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe | 45.65 | 10.09 |
| | | *For Full Perforated, Add* | *2.55* | |
| 33 41 16 13-0097 | LF | 12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe | 50.23 | 11.93 |
| | | *For Full Perforated, Add* | *2.64* | |
| 33 41 16 13-0098 | LF | 15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe | 57.77 | 12.34 |
| | | *For Full Perforated, Add* | *3.31* | |
| 33 41 16 13-0099 | LF | 18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe | 65.45 | 12.80 |
| | | *For Full Perforated, Add* | *3.99* | |
| 33 41 16 13-0100 | LF | 21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe | 74.93 | 13.80 |
| | | *For Full Perforated, Add* | *4.73* | |

### 33 41 16 13-0101 Strip-Perforated, Corrugated Aluminum Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

| | | | | |
|---|---|---|---|---|
| 33 41 16 13-0102 | LF | 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe | 29.21 | 6.56 |
| | | *For Full Perforated, Add* | *1.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 41 16 13-0103 | LF | 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe | 37.18 | 7.95 |
| | | *For Full Perforated, Add* | *2.13* | |
| 33 41 16 13-0104 | LF | 10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe | 46.78 | 10.09 |
| | | *For Full Perforated, Add* | *2.66* | |
| 33 41 16 13-0105 | LF | 12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe | 58.71 | 11.93 |
| | | *For Full Perforated, Add* | *3.49* | |
| 33 41 16 13-0106 | LF | 15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe | 68.32 | 12.34 |
| | | *For Full Perforated, Add* | *4.36* | |
| 33 41 16 13-0107 | LF | 18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe | 78.24 | 12.80 |
| | | *For Full Perforated, Add* | *5.27* | |
| 33 41 16 13-0108 | LF | 21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe | 89.84 | 13.80 |
| | | *For Full Perforated, Add* | *6.22* | |

### 33 41 16 13-0109 Prefabricated Composite Drains *(33 41 16 13)*

### 33 41 16 13-0110 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) *(33 41 16 13-0109)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.

| | | | | |
|---|---|---|---|---|
| 33 41 16 13-0111 | LF | 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) | 11.90 | 2.48 |
| | | *For External Typar Geotextile Wrap, Add* | *2.17* | |
| 33 41 16 13-0112 | EA | Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) | 54.40 | |
| 33 41 16 13-0113 | EA | End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) | 54.40 | |
| 33 41 16 13-0114 | EA | Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) | 104.72 | |
| 33 41 16 13-0115 | EA | End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) | 104.72 | |
| 33 41 16 13-0116 | LF | 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) | 19.00 | 3.11 |
| | | *For External Typar Geotextile Wrap, Add* | *3.26* | |
| 33 41 16 13-0117 | EA | Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) | 80.23 | |
| 33 41 16 13-0118 | EA | End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) | 80.23 | |
| 33 41 16 13-0119 | EA | Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) | 137.37 | |
| 33 41 16 13-0120 | EA | End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) | 137.37 | |

## 33 41 19 Underslab Drainage *(33 41)*

### 33 41 19 13 Underslab Drainage Piping *(33 41 19)*

### 33 41 19 13-0001 Capillary Water Barrier Underslab Drainage *(33 41 19 13)*

Note: Consists of a layer of fine granular material overlying a coarse layer.

| | | | |
|---|---|---|---|
| 33 41 19 13-0002 | CY | 2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage | 70.01 |
| 33 41 19 13-0003 | CY | 4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage | 67.10 |
| 33 41 19 13-0004 | CY | 6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage | 65.93 |
| 33 41 19 13-0005 | CY | 8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage | 64.19 |

# 33 42 Stormwater Conveyance *(33 40)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

## 33 42 11 Stormwater Gravity Piping *(33 42)*

### 33 42 11 00-0001 Reinforced Concrete Piping *(33 42 11)*

Note: Includes detectable tracer wire.

### 33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets *(33 42 11 00-0001)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0003 | LF | 12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 55.07 | 18.36 |
| | | *For >1,000, Deduct* | *-2.75* | |
| | | *For Class 4, Add* | *2.74* | |
| | | *For Class 5, Add* | *5.77* | |
| 33 42 11 00-0004 | LF | 15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 66.11 | 20.43 |
| | | *For >1,000, Deduct* | *-3.31* | |
| | | *For Class 4, Add* | *3.51* | |
| | | *For Class 5, Add* | *7.38* | |
| 33 42 11 00-0005 | LF | 18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 75.23 | 25.48 |
| | | *For >1,000, Deduct* | *-3.76* | |
| | | *For Class 4, Add* | *3.69* | |
| | | *For Class 5, Add* | *7.77* | |
| 33 42 11 00-0006 | LF | 21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 96.38 | 32.14 |
| | | *For >1,000, Deduct* | *-4.82* | |
| | | *For Class 4, Add* | *4.79* | |
| | | *For Class 5, Add* | *10.09* | |
| 33 42 11 00-0007 | LF | 24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 112.85 | 39.02 |
| | | *For >1,000, Deduct* | *-5.64* | |
| | | *For Class 4, Add* | *5.42* | |
| | | *For Class 5, Add* | *11.42* | |
| 33 42 11 00-0008 | LF | 27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 142.73 | 49.46 |
| | | *For >1,000, Deduct* | *-7.14* | |
| | | *For Class 4, Add* | *6.85* | |
| | | *For Class 5, Add* | *14.41* | |
| 33 42 11 00-0009 | LF | 30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 151.77 | 51.07 |
| | | *For >1,000, Deduct* | *-7.59* | |
| | | *For Class 4, Add* | *7.41* | |
| | | *For Class 5, Add* | *15.59* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0010 | LF | 36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 187.79 | 58.04 |
| | | *For >1,000, Deduct* | *-9.39* | |
| | | *For Class 4, Add* | *10.04* | |
| | | *For Class 5, Add* | *21.14* | |
| 33 42 11 00-0011 | LF | 42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 243.28 | 63.85 |
| | | *For >1,000, Deduct* | *-12.16* | |
| | | *For Class 4, Add* | *14.53* | |
| | | *For Class 5, Add* | *30.59* | |
| 33 42 11 00-0012 | LF | 48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 291.31 | 71.10 |
| | | *For >1,000, Deduct* | *-14.57* | |
| | | *For Class 4, Add* | *18.03* | |
| | | *For Class 5, Add* | *37.95* | |
| 33 42 11 00-0013 | LF | 54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 362.44 | 81.26 |
| | | *For >1,000, Deduct* | *-18.12* | |
| | | *For Class 4, Add* | *23.40* | |
| | | *For Class 5, Add* | *49.27* | |
| 33 42 11 00-0014 | LF | 60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 437.64 | 94.25 |
| | | *For >1,000, Deduct* | *-21.88* | |
| | | *For Class 4, Add* | *28.78* | |
| | | *For Class 5, Add* | *60.60* | |
| 33 42 11 00-0015 | LF | 66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 674.22 | 104.47 |
| | | *For >1,000, Deduct* | *-33.71* | |
| | | *For Class 4, Add* | *49.94* | |
| | | *For Class 5, Add* | *105.13* | |
| 33 42 11 00-0016 | LF | 72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 786.53 | 113.75 |
| | | *For >1,000, Deduct* | *-39.33* | |
| | | *For Class 4, Add* | *59.28* | |
| | | *For Class 5, Add* | *124.80* | |
| 33 42 11 00-0017 | LF | 78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 945.75 | 127.68 |
| | | *For >1,000, Deduct* | *-47.29* | |
| | | *For Class 4, Add* | *72.48* | |
| | | *For Class 5, Add* | *152.59* | |
| 33 42 11 00-0018 | LF | 84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets | 1,218.07 | 142.19 |
| | | *For >1,000, Deduct* | *-60.90* | |
| | | *For Class 4, Add* | *96.42* | |
| | | *For Class 5, Add* | *202.99* | |

## 33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets *(33 42 11 00-0001)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0020 | LF | 12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size) | 90.55 | 28.86 |
| | | *For >1,000, Deduct* | *-4.53* | |
| | | *For Horizontal Elliptical - II (HE- II), Add* | *4.93* | |
| | | *For Horizontal Elliptical - III (HE- III), Add* | *10.85* | |
| | | *For Horizontal Elliptical - IV (HE- IV), Add* | *23.68* | |
| 33 42 11 00-0021 | LF | 14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size) | 132.43 | 33.88 |
| | | *For >1,000, Deduct* | *-6.62* | |
| | | *For Horizontal Elliptical - II (HE- II), Add* | *8.40* | |
| | | *For Horizontal Elliptical - III (HE- III), Add* | *18.48* | |
| | | *For Horizontal Elliptical - IV (HE- IV), Add* | *40.32* | |
| 33 42 11 00-0022 | LF | 19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size) | 184.07 | 51.91 |
| | | *For >1,000, Deduct* | *-9.20* | |
| | | *For Horizontal Elliptical - II (HE- II), Add* | *10.99* | |
| | | *For Horizontal Elliptical - III (HE- III), Add* | *24.18* | |
| | | *For Horizontal Elliptical - IV (HE- IV), Add* | *52.76* | |
| 33 42 11 00-0023 | LF | 22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size) | 216.86 | 65.78 |
| | | *For >1,000, Deduct* | *-10.84* | |
| | | *For Horizontal Elliptical - II (HE- II), Add* | *12.29* | |
| | | *For Horizontal Elliptical - III (HE- III), Add* | *27.03* | |
| | | *For Horizontal Elliptical - IV (HE- IV), Add* | *58.98* | |
| 33 42 11 00-0024 | LF | 24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size) | 230.18 | 68.72 |
| | | *For >1,000, Deduct* | *-11.51* | |
| | | *For Horizontal Elliptical - II (HE- II), Add* | *13.20* | |
| | | *For Horizontal Elliptical - III (HE- III), Add* | *29.04* | |
| | | *For Horizontal Elliptical - IV (HE- IV), Add* | *63.36* | |
| 33 42 11 00-0025 | LF | 27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size) | 264.17 | 72.57 |
| | | *For >1,000, Deduct* | *-13.21* | |
| | | *For Horizontal Elliptical - II (HE- II), Add* | *16.05* | |
| | | *For Horizontal Elliptical - III (HE- III), Add* | *35.31* | |
| | | *For Horizontal Elliptical - IV (HE- IV), Add* | *77.04* | |
| 33 42 11 00-0026 | LF | 29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size) | 298.16 | 76.40 |
| | | *For >1,000, Deduct* | *-14.91* | |
| | | *For Horizontal Elliptical - II (HE- II), Add* | *18.90* | |
| | | *For Horizontal Elliptical - III (HE- III), Add* | *41.58* | |
| | | *For Horizontal Elliptical - IV (HE- IV), Add* | *90.72* | |
| 33 42 11 00-0027 | LF | 34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size) | 363.25 | 84.07 |
| | | *For >1,000, Deduct* | *-18.16* | |
| | | *For Horizontal Elliptical - II (HE- II), Add* | *24.32* | |
| | | *For Horizontal Elliptical - III (HE- III), Add* | *53.49* | |
| | | *For Horizontal Elliptical - IV (HE- IV), Add* | *116.71* | |
| 33 42 11 00-0028 | LF | 38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size) | 437.60 | 94.56 |
| | | *For >1,000, Deduct* | *-21.88* | |
| | | *For Horizontal Elliptical - II (HE- II), Add* | *30.25* | |
| | | *For Horizontal Elliptical - III (HE- III), Add* | *66.55* | |
| | | *For Horizontal Elliptical - IV (HE- IV), Add* | *145.20* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0029 | LF | 43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size) | 498.15 | 108.07 |
| | | *For >1,000, Deduct* | *-24.91* | |
| | | *For Horizontal Elliptical - II (HE- II), Add* | *34.38* | |
| | | *For Horizontal Elliptical - III (HE- III), Add* | *75.63* | |
| | | *For Horizontal Elliptical - IV (HE- IV), Add* | *165.00* | |
| 33 42 11 00-0030 | LF | 48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size) | 616.81 | 125.36 |
| | | *For >1,000, Deduct* | *-30.84* | |
| | | *For Horizontal Elliptical - II (HE- II), Add* | *43.77* | |
| | | *For Horizontal Elliptical - III (HE- III), Add* | *96.30* | |
| | | *For Horizontal Elliptical - IV (HE- IV), Add* | *210.11* | |
| 33 42 11 00-0031 | LF | 53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size) | 703.95 | 138.13 |
| 33 42 11 00-0032 | LF | 58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size) | 853.50 | 150.90 |
| 33 42 11 00-0033 | LF | 63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size) | 1,019.43 | 170.63 |
| 33 42 11 00-0034 | LF | 68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size) | 1,103.64 | 189.21 |
| 33 42 11 00-0035 | LF | 72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size) | 1,412.95 | 198.49 |
| 33 42 11 00-0036 | LF | 77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size) | 1,637.28 | 207.78 |
| **33 42 11 00-0037** | | **Concrete Reducing Wye Without Gaskets** *(33 42 11 00-0001)* | | |
| 33 42 11 00-0038 | EA | 12" Concrete Reducing Wye Without Gaskets | 669.80 | 69.96 |
| 33 42 11 00-0039 | EA | 15" Concrete Reducing Wye Without Gaskets | 803.24 | 85.26 |
| 33 42 11 00-0040 | EA | 18" Concrete Reducing Wye Without Gaskets | 992.50 | 94.01 |
| 33 42 11 00-0041 | EA | 21" Concrete Reducing Wye Without Gaskets | 1,139.11 | 115.87 |
| 33 42 11 00-0042 | EA | 24" Concrete Reducing Wye Without Gaskets | 1,287.42 | 139.92 |
| **33 42 11 00-0043** | | **Concrete Pipe Joint Gaskets** *(33 42 11 00-0001)* | | |
| 33 42 11 00-0044 | EA | 12" Diameter Concrete Pipe Joint Gasket | 6.39 | |
| 33 42 11 00-0045 | EA | 15" Diameter Concrete Pipe Joint Gasket | 7.56 | |
| 33 42 11 00-0046 | EA | 18" Diameter Concrete Pipe Joint Gasket | 8.76 | |
| 33 42 11 00-0047 | EA | 21" Diameter Concrete Pipe Joint Gasket | 10.59 | |
| 33 42 11 00-0048 | EA | 24" Diameter Concrete Pipe Joint Gasket | 12.41 | |
| 33 42 11 00-0049 | EA | 27" Diameter Concrete Pipe Joint Gasket | 13.83 | |
| 33 42 11 00-0050 | EA | 30" Diameter Concrete Pipe Joint Gasket | 15.19 | |
| 33 42 11 00-0051 | EA | 36" Diameter Concrete Pipe Joint Gasket | 18.56 | |
| 33 42 11 00-0052 | EA | 42" Diameter Concrete Pipe Joint Gasket | 21.52 | |
| 33 42 11 00-0053 | EA | 48" Diameter Concrete Pipe Joint Gasket | 24.82 | |
| 33 42 11 00-0054 | EA | 54" Diameter Concrete Pipe Joint Gasket | 30.42 | |
| 33 42 11 00-0055 | EA | 60" Diameter Concrete Pipe Joint Gasket | 45.03 | |
| 33 42 11 00-0056 | EA | 66" Diameter Concrete Pipe Joint Gasket | 46.80 | |
| 33 42 11 00-0057 | EA | 72" Diameter Concrete Pipe Joint Gasket | 48.53 | |
| 33 42 11 00-0058 | EA | 78" Diameter Concrete Pipe Joint Gasket | 55.89 | |
| 33 42 11 00-0059 | EA | 84" Diameter Concrete Pipe Joint Gasket | 67.00 | |
| **33 42 11 00-0060** | | **Couplings** *(33 42 11 00-0001)* | | |
| **33 42 11 00-0061** | | **Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings** *(33 42 11 00-0060)* | | |
| | | Note: For concrete to cast iron or plastic pipe. Includes stainless steel clamps. Fernco 1006. | | |
| 33 42 11 00-0062 | EA | 4" x 3" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling | 38.67 | |
| 33 42 11 00-0063 | EA | 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling | 35.84 | |
| 33 42 11 00-0064 | EA | 6" x 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling | 60.14 | |
| 33 42 11 00-0065 | EA | 6" x 5" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling | 62.41 | |
| 33 42 11 00-0066 | EA | 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling | 58.06 | |
| 33 42 11 00-0067 | EA | 8" x 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling | 88.25 | |
| 33 42 11 00-0068 | EA | 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling | 76.43 | |
| 33 42 11 00-0069 | EA | 10" x 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling | 110.80 | |
| 33 42 11 00-0070 | EA | 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling | 98.33 | |
| 33 42 11 00-0071 | EA | 12" x 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling | 133.68 | |
| 33 42 11 00-0072 | EA | 12" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling | 112.08 | |
| 33 42 11 00-0073 | EA | 15" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling | 345.66 | |
| **33 42 11 00-0074** | | **Precast Concrete Cut Off Wall** *(33 42 11 00-0001)* | | |
| 33 42 11 00-0075 | EA | 12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 294.39 | 204.29 |
| 33 42 11 00-0076 | EA | 15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 363.16 | 253.05 |
| 33 42 11 00-0077 | EA | 18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 450.48 | 320.37 |
| 33 42 11 00-0078 | EA | 21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 533.17 | 383.06 |
| 33 42 11 00-0079 | EA | 24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 613.42 | 443.30 |
| 33 42 11 00-0080 | EA | 27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 756.58 | 566.46 |
| 33 42 11 00-0081 | EA | 30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 990.34 | 780.04 |
| 33 42 11 00-0082 | EA | 36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 1,234.83 | 984.34 |
| 33 42 11 00-0083 | EA | 42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 1,525.14 | 1,234.83 |
| 33 42 11 00-0084 | EA | 48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 1,707.13 | 1,391.77 |
| 33 42 11 00-0085 | EA | 54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 1,906.09 | 1,560.09 |
| 33 42 11 00-0086 | EA | 60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 2,107.87 | 1,733.04 |
| 33 42 11 00-0087 | EA | 66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 2,190.25 | 1,799.20 |
| 33 42 11 00-0088 | EA | 72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 2,262.71 | 1,857.24 |
| 33 42 11 00-0089 | EA | 78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 2,335.15 | 1,915.27 |
| 33 42 11 00-0090 | EA | 84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall | 2,409.42 | 1,973.32 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0091 | | **Strap Assembly** *(33 42 11 00-0001)* | | |
| | | Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap. | | |
| 33 42 11 00-0092 | EA | Up To 24" Diameter Pipe, 12' Strap Assembly | 257.68 | |
| 33 42 11 00-0093 | EA | >24" Diameter Pipe, 12' Strap Assembly | 364.11 | |
| 33 42 11 00-0094 | | **Prestressed Concrete Cylinder Piping** *(33 42 11)* | | |
| | | Note: Includes detectable tracer wire. | | |
| 33 42 11 00-0095 | | **150 PSI Prestressed Concrete Cylinder Pipe And Fittings** *(33 42 11 00-0094)* | | |
| 33 42 11 00-0096 | | **150 PSI Prestressed Concrete Cylinder Pipe With Gaskets** *(33 42 11 00-0095)* | | |
| | | Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48". | | |
| 33 42 11 00-0097 | LF | 12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 150.44 | 18.36 |
| | | *For >1,000, Deduct* | *-7.52* | |
| | | *For 100 PSI, Deduct* | *-31.05* | |
| 33 42 11 00-0098 | LF | 15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 160.58 | 20.43 |
| | | *For >1,000, Deduct* | *-8.03* | |
| | | *For 100 PSI, Deduct* | *-32.85* | |
| 33 42 11 00-0099 | LF | 18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 174.98 | 25.48 |
| | | *For >1,000, Deduct* | *-8.75* | |
| | | *For 100 PSI, Deduct* | *-34.65* | |
| 33 42 11 00-0100 | LF | 21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 191.69 | 32.14 |
| | | *For >1,000, Deduct* | *-9.58* | |
| | | *For 100 PSI, Deduct* | *-36.45* | |
| 33 42 11 00-0101 | LF | 24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 208.72 | 39.02 |
| | | *For >1,000, Deduct* | *-10.44* | |
| | | *For 100 PSI, Deduct* | *-38.24* | |
| 33 42 11 00-0102 | LF | 30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 245.09 | 51.07 |
| | | *For >1,000, Deduct* | *-12.25* | |
| | | *For 100 PSI, Deduct* | *-42.82* | |
| 33 42 11 00-0103 | LF | 36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 271.64 | 58.04 |
| | | *For >1,000, Deduct* | *-13.58* | |
| | | *For 100 PSI, Deduct* | *-47.39* | |
| 33 42 11 00-0104 | LF | 42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 315.18 | 63.85 |
| | | *For >1,000, Deduct* | *-15.76* | |
| | | *For 100 PSI, Deduct* | *-56.22* | |
| 33 42 11 00-0105 | LF | 48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 361.74 | 71.10 |
| | | *For >1,000, Deduct* | *-18.09* | |
| | | *For 100 PSI, Deduct* | *-65.04* | |
| 33 42 11 00-0106 | LF | 54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 477.24 | 90.63 |
| | | *For >1,000, Deduct* | *-23.86* | |
| | | *For 100 PSI, Deduct* | *-86.94* | |
| 33 42 11 00-0107 | LF | 60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 575.09 | 105.13 |
| | | *For >1,000, Deduct* | *-28.75* | |
| | | *For 100 PSI, Deduct* | *-106.23* | |
| 33 42 11 00-0108 | LF | 66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 646.19 | 116.52 |
| | | *For >1,000, Deduct* | *-32.31* | |
| | | *For 100 PSI, Deduct* | *-120.12* | |
| 33 42 11 00-0109 | LF | 72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 720.56 | 126.88 |
| | | *For >1,000, Deduct* | *-36.03* | |
| | | *For 100 PSI, Deduct* | *-134.83* | |
| 33 42 11 00-0110 | LF | 78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 818.40 | 142.42 |
| | | *For >1,000, Deduct* | *-40.92* | |
| | | *For 100 PSI, Deduct* | *-153.62* | |
| 33 42 11 00-0111 | LF | 84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 916.23 | 158.60 |
| | | *For >1,000, Deduct* | *-45.81* | |
| | | *For 100 PSI, Deduct* | *-172.41* | |
| 33 42 11 00-0112 | LF | 90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 1,131.57 | 185.15 |
| | | *For >1,000, Deduct* | *-56.58* | |
| | | *For 100 PSI, Deduct* | *-216.54* | |
| 33 42 11 00-0113 | LF | 96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 1,331.64 | 211.43 |
| | | *For >1,000, Deduct* | *-66.58* | |
| | | *For 100 PSI, Deduct* | *-257.40* | |
| 33 42 11 00-0114 | LF | 102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 1,553.27 | 229.30 |
| | | *For >1,000, Deduct* | *-77.66* | |
| | | *For 100 PSI, Deduct* | *-306.42* | |
| 33 42 11 00-0115 | LF | 108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 1,753.33 | 243.51 |
| | | *For >1,000, Deduct* | *-87.67* | |
| | | *For 100 PSI, Deduct* | *-351.37* | |
| 33 42 11 00-0116 | LF | 114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 2,116.80 | 257.70 |
| | | *For >1,000, Deduct* | *-105.84* | |
| | | *For 100 PSI, Deduct* | *-437.16* | |
| 33 42 11 00-0117 | LF | 120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 2,462.22 | 270.71 |
| | | *For >1,000, Deduct* | *-123.11* | |
| | | *For 100 PSI, Deduct* | *-518.88* | |
| 33 42 11 00-0118 | LF | 126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 2,683.43 | 283.71 |
| | | *For >1,000, Deduct* | *-134.17* | |
| | | *For 100 PSI, Deduct* | *-569.54* | |
| 33 42 11 00-0119 | LF | 132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 2,907.92 | 296.71 |
| | | *For >1,000, Deduct* | *-145.40* | |
| | | *For 100 PSI, Deduct* | *-621.02* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0120 | LF | 138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 3,130.77 | 309.71 |
| | | *For >1,000, Deduct* | *-156.54* | |
| | | *For 100 PSI, Deduct* | *-672.09* | |
| 33 42 11 00-0121 | LF | 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets | 3,353.63 | 322.71 |
| | | *For >1,000, Deduct* | *-167.68* | |
| | | *For 100 PSI, Deduct* | *-723.16* | |
| 33 42 11 00-0122 | | 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets *(33 42 11 00-0095)* | | |
| 33 42 11 00-0123 | EA | 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 511.03 | 172.16 |
| 33 42 11 00-0124 | EA | 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 707.63 | 245.95 |
| 33 42 11 00-0125 | EA | 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 910.82 | 327.93 |
| 33 42 11 00-0126 | EA | 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 1,114.01 | 409.93 |
| 33 42 11 00-0127 | EA | 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 1,353.26 | 509.40 |
| 33 42 11 00-0128 | EA | 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 1,732.18 | 683.21 |
| 33 42 11 00-0129 | EA | 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 2,147.72 | 812.54 |
| 33 42 11 00-0130 | EA | 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 2,501.38 | 948.35 |
| 33 42 11 00-0131 | EA | 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 2,817.21 | 1,083.01 |
| 33 42 11 00-0132 | EA | 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 3,466.99 | 1,352.30 |
| 33 42 11 00-0133 | EA | 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 4,499.49 | 1,812.63 |
| 33 42 11 00-0134 | EA | 66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 5,016.39 | 2,006.84 |
| 33 42 11 00-0135 | EA | 72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 5,533.30 | 2,201.05 |
| 33 42 11 00-0136 | EA | 78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 6,664.01 | 2,524.73 |
| 33 42 11 00-0137 | EA | 84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 7,787.59 | 2,848.42 |
| 33 42 11 00-0138 | EA | 90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 9,219.83 | 3,236.84 |
| 33 42 11 00-0139 | EA | 96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 10,644.95 | 3,625.26 |
| 33 42 11 00-0140 | EA | 102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 14,220.41 | 4,610.11 |
| 33 42 11 00-0141 | EA | 108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 17,714.67 | 5,532.13 |
| 33 42 11 00-0142 | EA | 114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 23,031.07 | 7,376.18 |
| 33 42 11 00-0143 | EA | 120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 28,260.19 | 9,220.22 |
| 33 42 11 00-0144 | EA | 126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 31,871.68 | 9,944.66 |
| 33 42 11 00-0145 | EA | 132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 35,488.08 | 10,669.11 |
| 33 42 11 00-0146 | EA | 138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 46,197.42 | 11,393.56 |
| 33 42 11 00-0147 | EA | 144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 42,794.39 | 12,118.00 |
| 33 42 11 00-0148 | | 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets *(33 42 11 00-0095)* | | |
| 33 42 11 00-0149 | EA | 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 477.69 | 172.16 |
| 33 42 11 00-0150 | EA | 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 664.49 | 245.95 |
| 33 42 11 00-0151 | EA | 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 859.83 | 327.93 |
| 33 42 11 00-0152 | EA | 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 1,055.18 | 409.93 |
| 33 42 11 00-0153 | EA | 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 1,286.58 | 509.40 |
| 33 42 11 00-0154 | EA | 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 1,640.66 | 637.30 |
| 33 42 11 00-0155 | EA | 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 2,043.13 | 812.54 |
| 33 42 11 00-0156 | EA | 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 2,380.45 | 948.35 |
| 33 42 11 00-0157 | EA | 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 2,687.13 | 1,083.01 |
| 33 42 11 00-0158 | EA | 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 3,279.68 | 1,352.30 |
| 33 42 11 00-0159 | EA | 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 4,323.41 | 1,812.63 |
| 33 42 11 00-0160 | EA | 66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 4,827.56 | 2,006.84 |
| 33 42 11 00-0161 | EA | 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 5,331.71 | 2,201.05 |
| 33 42 11 00-0162 | EA | 78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 6,193.45 | 2,524.73 |
| 33 42 11 00-0163 | EA | 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 7,048.06 | 2,848.42 |
| 33 42 11 00-0164 | EA | 90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 8,286.55 | 3,236.84 |
| 33 42 11 00-0165 | EA | 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 9,517.91 | 3,625.26 |
| 33 42 11 00-0166 | EA | 102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 12,403.15 | 4,531.58 |
| 33 42 11 00-0167 | EA | 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 15,521.30 | 5,532.13 |
| 33 42 11 00-0168 | EA | 114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 20,304.05 | 7,376.18 |
| 33 42 11 00-0169 | EA | 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 24,999.53 | 9,220.22 |
| 33 42 11 00-0170 | EA | 126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 27,893.10 | 9,944.66 |
| 33 42 11 00-0171 | EA | 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 30,791.57 | 12,118.00 |
| 33 42 11 00-0172 | EA | 138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 33,700.35 | 11,393.56 |
| 33 42 11 00-0173 | EA | 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping | 36,965.26 | 12,118.00 |
| 33 42 11 00-0174 | | 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0094)* | | |
| 33 42 11 00-0175 | | 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0174)* | | |
| | | Note: AWWA C301 | | |
| 33 42 11 00-0176 | LF | 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints | 288.08 | 51.07 |
| | | *For >1,000, Deduct* | *-14.40* | |
| 33 42 11 00-0177 | LF | 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints | 351.03 | 58.04 |
| | | *For >1,000, Deduct* | *-17.55* | |
| 33 42 11 00-0178 | LF | 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints | 409.43 | 63.85 |
| | | *For >1,000, Deduct* | *-20.47* | |
| 33 42 11 00-0179 | | 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0174)* | | |
| | | Note: AWWA C301 | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0180 | LF | 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints | 551.05 | 71.04 |
| | | *For >1,000, Deduct* | *-27.55* | |
| 33 42 11 00-0181 | LF | 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints | 658.94 | 90.63 |
| | | *For >1,000, Deduct* | *-32.95* | |
| 33 42 11 00-0182 | LF | 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints | 759.65 | 105.13 |
| | | *For >1,000, Deduct* | *-37.98* | |
| 33 42 11 00-0183 | LF | 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints | 855.17 | 116.52 |
| | | *For >1,000, Deduct* | *-42.76* | |
| 33 42 11 00-0184 | LF | 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints | 1,035.52 | 126.88 |
| | | *For >1,000, Deduct* | *-51.78* | |

### 33 42 11 00-0185 Welded Joints For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0174)*

Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.

| | | | |
|---|---|---|---|
| 33 42 11 00-0186 | EA | 30" Welded Joint For Prestressed Concrete Cylinder Pipe | 2,535.74 |
| 33 42 11 00-0187 | EA | 36" Welded Joint For Prestressed Concrete Cylinder Pipe | 2,723.57 |
| 33 42 11 00-0188 | EA | 42" Welded Joint For Prestressed Concrete Cylinder Pipe | 2,817.49 |
| 33 42 11 00-0189 | EA | 48" Welded Joint For Prestressed Concrete Cylinder Pipe | 3,193.16 |
| 33 42 11 00-0190 | EA | 54" Welded Joint For Prestressed Concrete Cylinder Pipe | 3,287.07 |
| 33 42 11 00-0191 | EA | 60" Welded Joint For Prestressed Concrete Cylinder Pipe | 3,474.90 |
| 33 42 11 00-0192 | EA | 66" Welded Joint For Prestressed Concrete Cylinder Pipe | 3,568.82 |
| 33 42 11 00-0193 | EA | 72" Welded Joint For Prestressed Concrete Cylinder Pipe | 3,662.74 |
| 33 42 11 00-0194 | EA | 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe | 4,695.82 |
| 33 42 11 00-0195 | EA | 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe | 4,695.82 |
| 33 42 11 00-0196 | EA | 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe | 5,353.23 |
| 33 42 11 00-0197 | EA | 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe | 5,353.23 |
| 33 42 11 00-0198 | EA | 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe | 5,728.90 |
| 33 42 11 00-0199 | EA | 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe | 5,728.90 |
| 33 42 11 00-0200 | EA | 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe | 6,198.48 |
| 33 42 11 00-0201 | EA | 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe | 6,198.48 |

### 33 42 11 00-0202 Quick Test Joints *(33 42 11 00-0174)*

| | | | |
|---|---|---|---|
| 33 42 11 00-0203 | EA | 30" Quick Test Joint | 639.99 |
| 33 42 11 00-0204 | EA | 36" Quick Test Joint | 645.80 |
| 33 42 11 00-0205 | EA | 42" Quick Test Joint | 651.60 |
| 33 42 11 00-0206 | EA | 48" Quick Test Joint | 664.94 |
| 33 42 11 00-0207 | EA | 54" Quick Test Joint | 694.17 |
| 33 42 11 00-0208 | EA | 60" Quick Test Joint | 719.67 |
| 33 42 11 00-0209 | EA | 66" Quick Test Joint | 757.72 |
| 33 42 11 00-0210 | EA | 72" Quick Test Joint | 795.76 |

### 33 42 11 00-0211 Harnessed Joints *(33 42 11 00-0174)*

### 33 42 11 00-0212 Harness Clamp Restrained Joints *(33 42 11 00-0211)*

| | | | |
|---|---|---|---|
| 33 42 11 00-0213 | EA | 30" Harness Clamp Restrained Joint | 12,060.67 |
| 33 42 11 00-0214 | EA | 36" Harness Clamp Restrained Joint | 12,526.78 |
| 33 42 11 00-0215 | EA | 42" Harness Clamp Restrained Joint | 12,992.88 |
| 33 42 11 00-0216 | EA | 48" Harness Clamp Restrained Joint | 13,458.98 |
| 33 42 11 00-0217 | EA | 54" Harness Clamp Restrained Joint | 13,938.48 |
| 33 42 11 00-0218 | EA | 60" Harness Clamp Restrained Joint | 14,641.88 |
| 33 42 11 00-0219 | EA | 66" Harness Clamp Restrained Joint | 15,115.13 |
| 33 42 11 00-0220 | EA | 72" Harness Clamp Restrained Joint | 16,186.76 |

### 33 42 11 00-0221 Snap Ring Restrained Joints *(33 42 11 00-0211)*

| | | | |
|---|---|---|---|
| 33 42 11 00-0222 | EA | 30" Snap Ring Restrained Joint | 1,934.06 |
| 33 42 11 00-0223 | EA | 36" Snap Ring Restrained Joint | 2,216.05 |
| 33 42 11 00-0224 | EA | 42" Snap Ring Restrained Joint | 3,004.36 |
| 33 42 11 00-0225 | EA | 48" Snap Ring Restrained Joint | 3,424.43 |
| 33 42 11 00-0226 | EA | 54" Snap Ring Restrained Joint | 3,857.90 |
| 33 42 11 00-0227 | EA | 60" Snap Ring Restrained Joint | 4,377.18 |
| 33 42 11 00-0228 | EA | 66" Snap Ring Restrained Joint | 4,850.43 |
| 33 42 11 00-0229 | EA | 72" Snap Ring Restrained Joint | 5,415.73 |

### 33 42 11 00-0230 Pipe Repairs *(33 42 11 00-0174)*

Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.

### 33 42 11 00-0231 Lined Cylinder Pipe Repair *(33 42 11 00-0230)*

| | | | |
|---|---|---|---|
| 33 42 11 00-0232 | EA | 30" Lined Cylinder Pipe Repair | 6,556.37 |
| 33 42 11 00-0233 | EA | 36" Lined Cylinder Pipe Repair | 8,117.77 |
| 33 42 11 00-0234 | EA | 42" Lined Cylinder Pipe Repair | 11,049.69 |

### 33 42 11 00-0235 Embedded Cylinder Pipe Repair *(33 42 11 00-0230)*

Note: Field welded concrete enclosure assembly with concrete pipe.

| | | | |
|---|---|---|---|
| 33 42 11 00-0236 | EA | 48" Embedded Cylinder Pipe Repair | 16,488.78 |
| 33 42 11 00-0237 | EA | 54" Embedded Cylinder Pipe Repair | 19,153.06 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0238 | EA | 60" Embedded Cylinder Pipe Repair | 21,836.72 | |
| 33 42 11 00-0239 | EA | 66" Embedded Cylinder Pipe Repair | 24,671.76 | |
| 33 42 11 00-0240 | EA | 72" Embedded Cylinder Pipe Repair | 29,686.72 | |

### 33 42 11 00-0241 High-Density Polyethylene (HDPE) Drainage Piping *(33 42 11)*
Note: Includes detectable tracer wire.

### 33 42 11 00-0242 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0241)*
Note: Excludes couplings and gaskets.

### 33 42 11 00-0243 Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0242)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0244 | LF | 4" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 16.94 | 7.49 |
| | | *For <100, Add* | *3.00* | |
| | | *For >1,000, Deduct* | *-1.60* | |
| 33 42 11 00-0245 | LF | 6" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 22.41 | 8.71 |
| | | *For <100, Add* | *3.48* | |
| | | *For >1,000, Deduct* | *-1.99* | |
| 33 42 11 00-0246 | LF | 8" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 27.73 | 10.13 |
| | | *For <100, Add* | *4.05* | |
| | | *For >1,000, Deduct* | *-2.40* | |
| 33 42 11 00-0247 | LF | 10" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 31.75 | 10.49 |
| | | *For <100, Add* | *4.19* | |
| | | *For >1,000, Deduct* | *-2.64* | |
| 33 42 11 00-0248 | LF | 12" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 33.41 | 10.86 |
| | | *For <100, Add* | *4.34* | |
| | | *For >1,000, Deduct* | *-2.76* | |
| 33 42 11 00-0249 | LF | 15" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 38.19 | 11.24 |
| | | *For <100, Add* | *4.50* | |
| | | *For >1,000, Deduct* | *-3.03* | |
| 33 42 11 00-0250 | LF | 18" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 46.72 | 11.65 |
| | | *For <100, Add* | *4.66* | |
| | | *For >1,000, Deduct* | *-3.50* | |
| 33 42 11 00-0251 | LF | 24" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 64.59 | 13.65 |
| | | *For <100, Add* | *5.46* | |
| | | *For >1,000, Deduct* | *-4.59* | |
| 33 42 11 00-0252 | LF | 30" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 91.85 | 18.36 |
| | | *For <100, Add* | *7.35* | |
| | | *For >1,000, Deduct* | *-6.43* | |
| 33 42 11 00-0253 | LF | 36" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 120.93 | 23.22 |
| | | *For <100, Add* | *9.29* | |
| | | *For >1,000, Deduct* | *-8.37* | |

### 33 42 11 00-0254 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0242)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0255 | LF | 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 33.20 | 10.86 |
| | | *For <100, Add* | *4.34* | |
| | | *For >1,000, Deduct* | *-2.75* | |
| 33 42 11 00-0256 | LF | 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 39.01 | 11.24 |
| | | *For <100, Add* | *4.50* | |
| | | *For >1,000, Deduct* | *-3.07* | |
| 33 42 11 00-0257 | LF | 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 47.96 | 11.65 |
| | | *For <100, Add* | *4.66* | |
| | | *For >1,000, Deduct* | *-3.56* | |
| 33 42 11 00-0258 | LF | 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 66.56 | 13.65 |
| | | *For <100, Add* | *5.46* | |
| | | *For >1,000, Deduct* | *-4.69* | |
| 33 42 11 00-0259 | LF | 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 97.22 | 18.36 |
| | | *For <100, Add* | *7.35* | |
| | | *For >1,000, Deduct* | *-6.70* | |
| 33 42 11 00-0260 | LF | 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 124.93 | 23.22 |
| | | *For <100, Add* | *9.29* | |
| | | *For >1,000, Deduct* | *-8.57* | |
| 33 42 11 00-0261 | LF | 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 163.97 | 25.33 |
| | | *For <100, Add* | *10.13* | |
| | | *For >1,000, Deduct* | *-10.73* | |
| 33 42 11 00-0262 | LF | 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 178.59 | 28.58 |
| | | *For <100, Add* | *11.43* | |
| | | *For >1,000, Deduct* | *-11.79* | |

### 33 42 11 00-0263 Perforated, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0241)*
Note: Excludes couplings and gaskets.

### 33 42 11 00-0264 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0263)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0265 | LF | 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 17.98 | 7.49 |
| | | *For <100, Add* | *3.00* | |
| | | *For >1,000, Deduct* | *-1.65* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0266 | LF | 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 22.45 | 8.71 |
| | | *For <100, Add* | *3.48* | |
| | | *For >1,000, Deduct* | *-1.99* | |
| 33 42 11 00-0267 | LF | 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 27.73 | 10.13 |
| | | *For <100, Add* | *4.05* | |
| | | *For >1,000, Deduct* | *-2.40* | |
| 33 42 11 00-0268 | LF | 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 31.79 | 10.49 |
| | | *For <100, Add* | *4.19* | |
| | | *For >1,000, Deduct* | *-2.64* | |
| 33 42 11 00-0269 | LF | 12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 33.41 | 10.86 |
| | | *For <100, Add* | *4.34* | |
| | | *For >1,000, Deduct* | *-2.76* | |
| 33 42 11 00-0270 | LF | 15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 38.22 | 11.24 |
| | | *For <100, Add* | *4.50* | |
| | | *For >1,000, Deduct* | *-3.04* | |
| 33 42 11 00-0271 | LF | 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 46.76 | 11.65 |
| | | *For <100, Add* | *4.66* | |
| | | *For >1,000, Deduct* | *-3.50* | |
| 33 42 11 00-0272 | LF | 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 64.59 | 13.65 |
| | | *For <100, Add* | *5.46* | |
| | | *For >1,000, Deduct* | *-4.59* | |
| 33 42 11 00-0273 | LF | 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 92.19 | 18.36 |
| | | *For <100, Add* | *7.35* | |
| | | *For >1,000, Deduct* | *-6.45* | |
| 33 42 11 00-0274 | LF | 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 120.93 | 23.22 |
| | | *For <100, Add* | *9.29* | |
| | | *For >1,000, Deduct* | *-8.37* | |

## 33 42 11 00-0275 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0263)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0276 | LF | 12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 33.24 | 10.86 |
| | | *For <100, Add* | *4.34* | |
| | | *For >1,000, Deduct* | *-2.75* | |
| 33 42 11 00-0277 | LF | 15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 39.05 | 11.24 |
| | | *For <100, Add* | *4.50* | |
| | | *For >1,000, Deduct* | *-3.08* | |
| 33 42 11 00-0278 | LF | 18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 48.00 | 11.65 |
| | | *For <100, Add* | *4.66* | |
| | | *For >1,000, Deduct* | *-3.57* | |
| 33 42 11 00-0279 | LF | 24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 66.56 | 13.65 |
| | | *For <100, Add* | *5.46* | |
| | | *For >1,000, Deduct* | *-4.69* | |
| 33 42 11 00-0280 | LF | 30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 97.22 | 18.36 |
| | | *For <100, Add* | *7.35* | |
| | | *For >1,000, Deduct* | *-6.70* | |
| 33 42 11 00-0281 | LF | 36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 124.93 | 23.22 |
| | | *For <100, Add* | *9.29* | |
| | | *For >1,000, Deduct* | *-8.57* | |
| 33 42 11 00-0282 | LF | 42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 163.97 | 25.33 |
| | | *For <100, Add* | *10.13* | |
| | | *For >1,000, Deduct* | *-10.73* | |
| 33 42 11 00-0283 | LF | 48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe | 178.59 | 28.58 |
| | | *For <100, Add* | *11.43* | |
| | | *For >1,000, Deduct* | *-11.79* | |

## 33 42 11 00-0284 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0241)*

Note: Excludes couplings and gaskets.

## 33 42 11 00-0285 Tees, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0284)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0286 | EA | 4" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 77.36 | 25.50 |
| 33 42 11 00-0287 | EA | 6" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 98.20 | 29.76 |
| 33 42 11 00-0288 | EA | 8" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 163.70 | 36.14 |
| 33 42 11 00-0289 | EA | 10" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 254.22 | 44.64 |
| 33 42 11 00-0290 | EA | 12" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 408.60 | 53.14 |
| 33 42 11 00-0291 | EA | 15" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 579.10 | 69.44 |
| 33 42 11 00-0292 | EA | 18" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 835.55 | 93.52 |
| 33 42 11 00-0293 | EA | 24" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 1,076.74 | 106.75 |
| 33 42 11 00-0294 | EA | 30" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 1,908.36 | 123.29 |
| 33 42 11 00-0295 | EA | 36" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 2,457.84 | 142.41 |
| 33 42 11 00-0296 | EA | 42" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 4,120.68 | 170.04 |
| 33 42 11 00-0297 | EA | 48" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 5,177.12 | 201.94 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 33 42 11 00-0298 Wyes, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0284)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0299 | EA | 4" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 118.50 | 25.50 |
| 33 42 11 00-0300 | EA | 6" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 143.35 | 29.76 |
| 33 42 11 00-0301 | EA | 8" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 192.20 | 36.14 |
| 33 42 11 00-0302 | EA | 10" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 285.64 | 44.64 |
| 33 42 11 00-0303 | EA | 12" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 509.69 | 53.14 |
| 33 42 11 00-0304 | EA | 15" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 548.09 | 69.44 |
| 33 42 11 00-0305 | EA | 18" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 775.22 | 93.52 |

### 33 42 11 00-0306 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0284)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0307 | EA | 4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 46.41 | 17.01 |
| 33 42 11 00-0308 | EA | 6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 57.76 | 19.84 |
| 33 42 11 00-0309 | EA | 8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 86.31 | 24.09 |
| 33 42 11 00-0310 | EA | 10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 108.87 | 29.76 |
| 33 42 11 00-0311 | EA | 12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 161.21 | 35.43 |
| 33 42 11 00-0312 | EA | 15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 259.19 | 45.35 |
| 33 42 11 00-0313 | EA | 18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 342.55 | 62.35 |
| 33 42 11 00-0314 | EA | 24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 670.12 | 70.85 |
| 33 42 11 00-0315 | EA | 30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 937.98 | 82.19 |
| 33 42 11 00-0316 | EA | 36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 1,099.76 | 94.94 |
| 33 42 11 00-0317 | EA | 42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 1,408.82 | 113.36 |
| 33 42 11 00-0318 | EA | 48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 1,912.41 | 134.61 |

### 33 42 11 00-0319 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0284)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0320 | EA | 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 50.91 | 17.01 |
| 33 42 11 00-0321 | EA | 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 67.14 | 19.84 |
| 33 42 11 00-0322 | EA | 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 91.10 | 24.09 |
| 33 42 11 00-0323 | EA | 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 147.82 | 29.76 |
| 33 42 11 00-0324 | EA | 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 161.21 | 35.43 |
| 33 42 11 00-0325 | EA | 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 258.41 | 45.35 |
| 33 42 11 00-0326 | EA | 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 405.36 | 62.35 |
| 33 42 11 00-0327 | EA | 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 718.65 | 70.85 |
| 33 42 11 00-0328 | EA | 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 940.29 | 82.19 |
| 33 42 11 00-0329 | EA | 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 1,204.35 | 94.94 |
| 33 42 11 00-0330 | EA | 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 1,812.48 | 113.36 |
| 33 42 11 00-0331 | EA | 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) | 2,274.20 | 134.61 |

### 33 42 11 00-0332 Couplings And End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0241)*

Note: For single and double wall high-density polyethylene (HDPE) piping.

### 33 42 11 00-0333 Couplings, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0332)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0334 | EA | 4" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe | 2.68 | |
| 33 42 11 00-0335 | EA | 6" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe | 4.82 | |
| 33 42 11 00-0336 | EA | 8" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe | 7.41 | |
| 33 42 11 00-0337 | EA | 10" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe | 9.12 | |
| 33 42 11 00-0338 | EA | 12" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe | 9.81 | |
| 33 42 11 00-0339 | EA | 15" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe | 13.96 | |
| 33 42 11 00-0340 | EA | 18" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe | 20.66 | |
| 33 42 11 00-0341 | EA | 24" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe | 32.89 | |
| 33 42 11 00-0342 | EA | 30" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe | 50.49 | |
| 33 42 11 00-0343 | EA | 36" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe | 66.07 | |
| 33 42 11 00-0344 | EA | 42" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe | 103.86 | |
| 33 42 11 00-0345 | EA | 48" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe | 140.48 | |

### 33 42 11 00-0346 Self-Adhering Gaskets, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0332)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0347 | EA | 4" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe | 142.24 | |
| 33 42 11 00-0348 | EA | 6" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe | 148.93 | |
| 33 42 11 00-0349 | EA | 8" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe | 155.94 | |
| 33 42 11 00-0350 | EA | 10" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe | 163.27 | |
| 33 42 11 00-0351 | EA | 12" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe | 193.65 | |
| 33 42 11 00-0352 | EA | 15" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe | 199.94 | |
| 33 42 11 00-0353 | EA | 18" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe | 208.54 | |
| 33 42 11 00-0354 | EA | 24" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe | 237.53 | |
| 33 42 11 00-0355 | EA | 30" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe | 380.78 | |
| 33 42 11 00-0356 | EA | 36" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe | 417.07 | |
| 33 42 11 00-0357 | EA | 42" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe | 454.43 | |
| 33 42 11 00-0358 | EA | 48" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe | 551.92 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 42 11 00-0359** | | **End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0332)* | | |
| 33 42 11 00-0360 | EA | 6" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe | 35.70 | |
| 33 42 11 00-0361 | EA | 8" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe | 41.78 | |
| 33 42 11 00-0362 | EA | 10" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe | 66.97 | |
| 33 42 11 00-0363 | EA | 12" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe | 113.07 | |
| 33 42 11 00-0364 | EA | 15" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe | 131.42 | |
| 33 42 11 00-0365 | EA | 18" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe | 177.25 | |
| 33 42 11 00-0366 | EA | 24" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe | 183.85 | |
| **33 42 11 00-0367** | | **Vitrified Clay Piping** *(33 42 11)* | | |
| **33 42 11 00-0368** | | **Extra Strength Vitrified Clay Piping** *(33 42 11 00-0367)* | | |
| **33 42 11 00-0369** | | **Plain Joint, Extra Strength, Vitrified Clay Piping** *(33 42 11 00-0368)* | | |
| | | Note: ASTM C700. | | |
| 33 42 11 00-0370 | LF | 4" Plain Joint, Extra Strength, Vitrified Clay Pipe | 22.51 | |
| | | *For 3' Lengths, Add* | *1.93* | |
| | | *For 2' Lengths, Add* | *2.57* | |
| | | *For Standard Strength, Deduct* | *-0.64* | |
| | | *For >1,000, Deduct* | *-1.13* | |
| 33 42 11 00-0371 | LF | 6" Plain Joint, Extra Strength, Vitrified Clay Pipe | 37.38 | |
| | | *For 3' Lengths, Add* | *2.99* | |
| | | *For 2' Lengths, Add* | *3.99* | |
| | | *For Standard Strength, Deduct* | *-1.00* | |
| | | *For >1,000, Deduct* | *-1.87* | |
| 33 42 11 00-0372 | LF | 8" Plain Joint, Extra Strength, Vitrified Clay Pipe | 44.72 | |
| | | *For 3' Lengths, Add* | *4.28* | |
| | | *For 2' Lengths, Add* | *5.71* | |
| | | *For Standard Strength, Deduct* | *-1.43* | |
| | | *For >1,000, Deduct* | *-2.24* | |
| 33 42 11 00-0373 | LF | 10" Plain Joint, Extra Strength, Vitrified Clay Pipe | 53.53 | |
| | | *For 3' Lengths, Add* | *6.56* | |
| | | *For 2' Lengths, Add* | *8.74* | |
| | | *For Standard Strength, Deduct* | *-2.19* | |
| | | *For >1,000, Deduct* | *-2.68* | |
| 33 42 11 00-0374 | LF | 12" Plain Joint, Extra Strength, Vitrified Clay Pipe | 65.42 | |
| | | *For 3' Lengths, Add* | *9.26* | |
| | | *For 2' Lengths, Add* | *12.34* | |
| | | *For Standard Strength, Deduct* | *-3.09* | |
| | | *For >1,000, Deduct* | *-3.27* | |
| 33 42 11 00-0375 | LF | 15" Plain Joint, Extra Strength, Vitrified Clay Pipe | 96.30 | |
| | | *For 3' Lengths, Add* | *17.35* | |
| | | *For 2' Lengths, Add* | *23.14* | |
| | | *For Standard Strength, Deduct* | *-5.78* | |
| | | *For >1,000, Deduct* | *-4.82* | |
| 33 42 11 00-0376 | LF | 18" Plain Joint, Extra Strength, Vitrified Clay Pipe | 130.87 | |
| | | *For 3' Lengths, Add* | *24.87* | |
| | | *For 2' Lengths, Add* | *33.16* | |
| | | *For Standard Strength, Deduct* | *-8.29* | |
| | | *For >1,000, Deduct* | *-6.54* | |
| 33 42 11 00-0377 | LF | 21" Plain Joint, Extra Strength, Vitrified Clay Pipe | 193.30 | |
| | | *For 3' Lengths, Add* | *39.84* | |
| | | *For 2' Lengths, Add* | *53.12* | |
| | | *For Standard Strength, Deduct* | *-13.28* | |
| | | *For >1,000, Deduct* | *-9.67* | |
| 33 42 11 00-0378 | LF | 24" Plain Joint, Extra Strength, Vitrified Clay Pipe | 246.96 | |
| | | *For 3' Lengths, Add* | *52.05* | |
| | | *For 2' Lengths, Add* | *69.40* | |
| | | *For Standard Strength, Deduct* | *-17.35* | |
| | | *For >1,000, Deduct* | *-12.35* | |
| 33 42 11 00-0379 | LF | 30" Plain Joint, Extra Strength, Vitrified Clay Pipe | 305.55 | |
| | | *For 3' Lengths, Add* | *64.91* | |
| | | *For 2' Lengths, Add* | *86.54* | |
| | | *For Standard Strength, Deduct* | *-21.64* | |
| | | *For >1,000, Deduct* | *-15.28* | |
| 33 42 11 00-0380 | LF | 36" Plain Joint, Extra Strength, Vitrified Clay Pipe | 369.64 | |
| | | *For 3' Lengths, Add* | *78.40* | |
| | | *For 2' Lengths, Add* | *104.54* | |
| | | *For Standard Strength, Deduct* | *-26.13* | |
| | | *For >1,000, Deduct* | *-18.48* | |
| **33 42 11 00-0381** | | **Compression Joint, Extra Strength, Vitrified Clay Piping** *(33 42 11 00-0368)* | | |
| | | Note: ASTM C425. | | |
| 33 42 11 00-0382 | LF | 4" Compression Joint, Extra Strength, Vitrified Clay Pipe | 31.93 | |
| | | *For 3' Lengths, Add* | *2.27* | |
| | | *For 2' Lengths, Add* | *3.03* | |
| | | *For Standard Strength, Deduct* | *-0.76* | |
| | | *For >1,000, Deduct* | *-1.60* | |
| 33 42 11 00-0383 | LF | 6" Compression Joint, Extra Strength, Vitrified Clay Pipe | 39.78 | |
| | | *For 3' Lengths, Add* | *3.71* | |
| | | *For 2' Lengths, Add* | *4.95* | |
| | | *For Standard Strength, Deduct* | *-1.24* | |
| | | *For >1,000, Deduct* | *-1.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0384 | LF | 8" Compression Joint, Extra Strength, Vitrified Clay Pipe | 47.93 | |
| | | *For 3' Lengths, Add* | *5.24* | |
| | | *For 2' Lengths, Add* | *6.99* | |
| | | *For Standard Strength, Deduct* | *-1.75* | |
| | | *For >1,000, Deduct* | *-2.40* | |
| 33 42 11 00-0385 | LF | 10" Compression Joint, Extra Strength, Vitrified Clay Pipe | 60.38 | |
| | | *For 3' Lengths, Add* | *8.61* | |
| | | *For 2' Lengths, Add* | *11.48* | |
| | | *For Standard Strength, Deduct* | *-2.87* | |
| | | *For >1,000, Deduct* | *-3.02* | |
| 33 42 11 00-0386 | LF | 12" Compression Joint, Extra Strength, Vitrified Clay Pipe | 72.27 | |
| | | *For 3' Lengths, Add* | *11.31* | |
| | | *For 2' Lengths, Add* | *15.08* | |
| | | *For Standard Strength, Deduct* | *-3.77* | |
| | | *For >1,000, Deduct* | *-3.61* | |
| 33 42 11 00-0387 | LF | 15" Compression Joint, Extra Strength, Vitrified Clay Pipe | 107.22 | |
| | | *For 3' Lengths, Add* | *20.63* | |
| | | *For 2' Lengths, Add* | *27.50* | |
| | | *For Standard Strength, Deduct* | *-6.88* | |
| | | *For >1,000, Deduct* | *-5.36* | |
| 33 42 11 00-0388 | LF | 18" Compression Joint, Extra Strength, Vitrified Clay Pipe | 148.65 | |
| | | *For 3' Lengths, Add* | *30.20* | |
| | | *For 2' Lengths, Add* | *40.27* | |
| | | *For Standard Strength, Deduct* | *-10.07* | |
| | | *For >1,000, Deduct* | *-7.43* | |
| 33 42 11 00-0389 | LF | 21" Compression Joint, Extra Strength, Vitrified Clay Pipe | 213.65 | |
| | | *For 3' Lengths, Add* | *45.95* | |
| | | *For 2' Lengths, Add* | *61.26* | |
| | | *For Standard Strength, Deduct* | *-15.32* | |
| | | *For >1,000, Deduct* | *-10.68* | |
| 33 42 11 00-0390 | LF | 24" Compression Joint, Extra Strength, Vitrified Clay Pipe | 279.10 | |
| | | *For 3' Lengths, Add* | *61.70* | |
| | | *For 2' Lengths, Add* | *82.26* | |
| | | *For Standard Strength, Deduct* | *-20.57* | |
| | | *For >1,000, Deduct* | *-13.96* | |
| 33 42 11 00-0391 | LF | 30" Compression Joint, Extra Strength, Vitrified Clay Pipe | 446.93 | |
| | | *For 3' Lengths, Add* | *107.32* | |
| | | *For 2' Lengths, Add* | *143.10* | |
| | | *For Standard Strength, Deduct* | *-35.77* | |
| | | *For >1,000, Deduct* | *-22.35* | |
| 33 42 11 00-0392 | LF | 36" Compression Joint, Extra Strength, Vitrified Clay Pipe | 635.27 | |
| | | *For 3' Lengths, Add* | *158.09* | |
| | | *For 2' Lengths, Add* | *210.79* | |
| | | *For Standard Strength, Deduct* | *-52.70* | |
| | | *For >1,000, Deduct* | *-31.76* | |

### 33 42 11 00-0393 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-0367)*

### 33 42 11 00-0394 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0393)*

### 33 42 11 00-0395 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-0394)*

| | | | |
|---|---|---|---|
| 33 42 11 00-0396 | EA | 4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay | 94.09 |
| 33 42 11 00-0397 | EA | 6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay | 127.03 |
| 33 42 11 00-0398 | EA | 8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay | 181.50 |
| 33 42 11 00-0399 | EA | 10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay | 249.29 |
| 33 42 11 00-0400 | EA | 12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay | 329.33 |
| 33 42 11 00-0401 | EA | 15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay | 786.35 |
| 33 42 11 00-0402 | EA | 18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay | 1,109.07 |
| 33 42 11 00-0403 | EA | 21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay | 1,730.37 |
| 33 42 11 00-0404 | EA | 24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay | 1,997.12 |
| 33 42 11 00-0405 | EA | 30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay | 2,319.15 |
| 33 42 11 00-0406 | EA | 36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay | 3,479.03 |

### 33 42 11 00-0407 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0394)*

| | | | |
|---|---|---|---|
| 33 42 11 00-0408 | EA | 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay | 106.38 |
| 33 42 11 00-0409 | EA | 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay | 151.21 |
| 33 42 11 00-0410 | EA | 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay | 204.79 |
| 33 42 11 00-0411 | EA | 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay | 274.24 |
| 33 42 11 00-0412 | EA | 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay | 348.07 |
| 33 42 11 00-0413 | EA | 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay | 882.14 |
| 33 42 11 00-0414 | EA | 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay | 1,283.29 |
| 33 42 11 00-0415 | EA | 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay | 1,319.37 |
| 33 42 11 00-0416 | EA | 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay | 2,557.53 |
| 33 42 11 00-0417 | EA | 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay | 2,848.36 |
| 33 42 11 00-0418 | EA | 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay | 4,229.74 |

### 33 42 11 00-0419 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0393)*

### 33 42 11 00-0420 Plain End 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0419)*

| | | | |
|---|---|---|---|
| 33 42 11 00-0421 | EA | 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay | 110.17 |
| 33 42 11 00-0422 | EA | 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay | 146.39 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0423 | EA | 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay | 204.16 | |
| 33 42 11 00-0424 | EA | 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay | 273.83 | |
| 33 42 11 00-0425 | EA | 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay | 356.98 | |
| 33 42 11 00-0426 | EA | 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay | 817.12 | |
| 33 42 11 00-0427 | EA | 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay | 1,147.44 | |
| 33 42 11 00-0428 | EA | 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay | 1,778.76 | |
| 33 42 11 00-0429 | EA | 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay | 2,055.88 | |
| 33 42 11 00-0430 | EA | 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay | 2,392.43 | |
| 33 42 11 00-0431 | EA | 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay | 3,560.50 | |

### 33 42 11 00-0432 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0419)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0433 | EA | 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay | 125.66 | |
| 33 42 11 00-0434 | EA | 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay | 174.44 | |
| 33 42 11 00-0435 | EA | 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay | 231.98 | |
| 33 42 11 00-0436 | EA | 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay | 303.69 | |
| 33 42 11 00-0437 | EA | 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay | 381.24 | |
| 33 42 11 00-0438 | EA | 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay | 919.06 | |
| 33 42 11 00-0439 | EA | 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay | 1,329.33 | |
| 33 42 11 00-0440 | EA | 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay | 2,578.27 | |
| 33 42 11 00-0441 | EA | 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay | 2,628.04 | |
| 33 42 11 00-0442 | EA | 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay | 2,936.29 | |
| 33 42 11 00-0443 | EA | 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay | 4,327.48 | |

### 33 42 11 00-0444 Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0393)*

### 33 42 11 00-0445 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0444)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0446 | EA | 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay | 121.14 | |
| 33 42 11 00-0447 | EA | 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay | 158.06 | |
| 33 42 11 00-0448 | EA | 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay | 214.63 | |
| 33 42 11 00-0449 | EA | 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay | 283.25 | |
| 33 42 11 00-0450 | EA | 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay | 357.95 | |
| 33 42 11 00-0451 | EA | 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay | 825.56 | |
| 33 42 11 00-0452 | EA | 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay | 1,155.08 | |
| 33 42 11 00-0453 | EA | 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay | 1,668.64 | |
| 33 42 11 00-0454 | EA | 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay | 2,321.69 | |
| 33 42 11 00-0455 | EA | 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay | 2,457.65 | |
| 33 42 11 00-0456 | EA | 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay | 3,533.62 | |

### 33 42 11 00-0457 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0444)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0458 | EA | 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay | 147.98 | |
| 33 42 11 00-0459 | EA | 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay | 202.77 | |
| 33 42 11 00-0460 | EA | 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay | 266.86 | |
| 33 42 11 00-0461 | EA | 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay | 344.76 | |
| 33 42 11 00-0462 | EA | 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay | 429.97 | |
| 33 42 11 00-0463 | EA | 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay | 1,004.19 | |
| 33 42 11 00-0464 | EA | 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay | 1,446.94 | |
| 33 42 11 00-0465 | EA | 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay | 2,147.73 | |
| 33 42 11 00-0466 | EA | 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay | 2,845.18 | |
| 33 42 11 00-0467 | EA | 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay | 3,291.39 | |
| 33 42 11 00-0468 | EA | 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee | 4,671.27 | |

### 33 42 11 00-0469 Vitrified Clay Couplings *(33 42 11 00-0367)*

### 33 42 11 00-0470 Vitrified Clay To Cast Iron Or Plastic Pipe Couplings *(33 42 11 00-0469)*

Note: Stainless steel tightening band at each end (Fernco #1002)

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0471 | EA | 4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 36.18 | |
| 33 42 11 00-0472 | EA | 4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 35.84 | |
| 33 42 11 00-0473 | EA | 5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 49.26 | |
| 33 42 11 00-0474 | EA | 5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 46.48 | |
| 33 42 11 00-0475 | EA | 6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 60.14 | |
| 33 42 11 00-0476 | EA | 6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 62.55 | |
| 33 42 11 00-0477 | EA | 6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 57.23 | |
| 33 42 11 00-0478 | EA | 8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 82.52 | |
| 33 42 11 00-0479 | EA | 8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 76.43 | |
| 33 42 11 00-0480 | EA | 10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 107.74 | |
| 33 42 11 00-0481 | EA | 10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 98.33 | |
| 33 42 11 00-0482 | EA | 12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 133.68 | |
| 33 42 11 00-0483 | EA | 12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 112.08 | |
| 33 42 11 00-0484 | EA | 15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 225.12 | |
| 33 42 11 00-0485 | EA | 15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling | 173.62 | |

### 33 42 11 00-0486 Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings *(33 42 11 00-0469)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0487 | EA | 4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling | 74.82 | |
| 33 42 11 00-0488 | EA | 6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling | 99.89 | |
| 33 42 11 00-0489 | EA | 6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling | 105.74 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0490 | EA | 8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling | 110.85 | |
| 33 42 11 00-0491 | EA | 10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling | 137.19 | |
| 33 42 11 00-0492 | EA | 12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling | 159.38 | |

## 33 42 11 00-0493 Vitrified Clay To Plastic Pipe Non-Shear Couplings *(33 42 11 00-0469)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0494 | EA | 4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling | 76.78 | |
| 33 42 11 00-0495 | EA | 6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling | 101.85 | |
| 33 42 11 00-0496 | EA | 6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling | 93.13 | |
| 33 42 11 00-0497 | EA | 8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling | 122.58 | |
| 33 42 11 00-0498 | EA | 10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling | 178.24 | |
| 33 42 11 00-0499 | EA | 12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling | 201.54 | |

## 33 42 11 00-0500 Corrugated Metal Piping *(33 42 11)*

## 33 42 11 00-0501 Galvanized Corrugated Steel Piping *(33 42 11 00-0500)*

## 33 42 11 00-0502 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0501)*

## 33 42 11 00-0503 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0502)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0504 | LF | 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 42.56 | 11.47 |
| | | *For Bituminous Coated Pipe, Add* | *4.53* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *9.26* | |
| | | *For Smooth-Flo, Add* | *16.54* | |
| 33 42 11 00-0505 | LF | 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 48.24 | 12.02 |
| | | *For Bituminous Coated Pipe, Add* | *5.70* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *11.66* | |
| | | *For Smooth-Flo, Add* | *20.82* | |
| 33 42 11 00-0506 | LF | 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 54.13 | 13.11 |
| | | *For Bituminous Coated Pipe, Add* | *6.91* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *14.13* | |
| | | *For Smooth-Flo, Add* | *25.23* | |
| 33 42 11 00-0507 | LF | 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 61.74 | 14.21 |
| | | *For Bituminous Coated Pipe, Add* | *8.26* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *16.89* | |
| | | *For Smooth-Flo, Add* | *30.17* | |
| 33 42 11 00-0508 | LF | 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 68.39 | 15.30 |
| | | *For Bituminous Coated Pipe, Add* | *9.30* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *19.01* | |
| | | *For Smooth-Flo, Add* | *33.95* | |
| 33 42 11 00-0509 | LF | 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 90.19 | 19.68 |
| | | *For Bituminous Coated Pipe, Add* | *12.06* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *24.67* | |
| | | *For Smooth-Flo, Add* | *44.05* | |
| 33 42 11 00-0510 | LF | 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 117.03 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *15.21* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *31.12* | |
| | | *For Smooth-Flo, Add* | *55.57* | |
| 33 42 11 00-0511 | LF | 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 133.46 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *18.00* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *36.81* | |
| | | *For Smooth-Flo, Add* | *65.74* | |
| 33 42 11 00-0512 | LF | 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 149.98 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *20.16* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *41.24* | |
| | | *For Smooth-Flo, Add* | *73.65* | |

## 33 42 11 00-0513 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0502)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0514 | LF | 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 46.60 | 11.47 |
| | | *For Bituminous Coated Pipe, Add* | *4.60* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *10.65* | |
| | | *For Smooth-Flo, Add* | *21.52* | |
| 33 42 11 00-0515 | LF | 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 53.23 | 12.02 |
| | | *For Bituminous Coated Pipe, Add* | *5.77* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *13.36* | |
| | | *For Smooth-Flo, Add* | *27.00* | |
| 33 42 11 00-0516 | LF | 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 60.14 | 13.11 |
| | | *For Bituminous Coated Pipe, Add* | *6.98* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *16.17* | |
| | | *For Smooth-Flo, Add* | *32.68* | |
| 33 42 11 00-0517 | LF | 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 68.70 | 14.21 |
| | | *For Bituminous Coated Pipe, Add* | *8.30* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *19.23* | |
| | | *For Smooth-Flo, Add* | *38.87* | |
| 33 42 11 00-0518 | LF | 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 76.47 | 15.30 |
| | | *For Bituminous Coated Pipe, Add* | *9.39* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *21.76* | |
| | | *For Smooth-Flo, Add* | *43.98* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0519 | LF | 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 100.07 | 19.68 |
| | | *For Bituminous Coated Pipe, Add* | *12.06* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *27.94* | |
| | | *For Smooth-Flo, Add* | *56.49* | |
| 33 42 11 00-0520 | LF | 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 129.01 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *15.12* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *35.03* | |
| | | *For Smooth-Flo, Add* | *70.80* | |
| 33 42 11 00-0521 | LF | 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 147.19 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *17.80* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *41.23* | |
| | | *For Smooth-Flo, Add* | *83.34* | |
| 33 42 11 00-0522 | LF | 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 165.68 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *20.00* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *46.34* | |
| | | *For Smooth-Flo, Add* | *93.66* | |
| 33 42 11 00-0523 | LF | 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 198.24 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *24.60* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *56.98* | |
| | | *For Smooth-Flo, Add* | *115.18* | |
| **33 42 11 00-0524** | | **12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0502)* | | |
| 33 42 11 00-0525 | LF | 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 72.60 | 13.11 |
| | | *For Bituminous Coated Pipe, Add* | *7.99* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *14.43* | |
| | | *For Smooth-Flo, Add* | *27.74* | |
| 33 42 11 00-0526 | LF | 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 83.18 | 14.21 |
| | | *For Bituminous Coated Pipe, Add* | *9.45* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *17.06* | |
| | | *For Smooth-Flo, Add* | *32.79* | |
| 33 42 11 00-0527 | LF | 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 92.98 | 14.21 |
| | | *For Bituminous Coated Pipe, Add* | *10.71* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *19.34* | |
| | | *For Smooth-Flo, Add* | *37.17* | |
| 33 42 11 00-0528 | LF | 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 120.47 | 19.68 |
| | | *For Bituminous Coated Pipe, Add* | *13.62* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *24.59* | |
| | | *For Smooth-Flo, Add* | *47.26* | |
| 33 42 11 00-0529 | LF | 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 153.22 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *16.84* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *30.41* | |
| | | *For Smooth-Flo, Add* | *58.44* | |
| 33 42 11 00-0530 | LF | 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 175.16 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *19.73* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *35.63* | |
| | | *For Smooth-Flo, Add* | *68.48* | |
| 33 42 11 00-0531 | LF | 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 197.74 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *22.28* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *40.24* | |
| | | *For Smooth-Flo, Add* | *77.33* | |
| 33 42 11 00-0532 | LF | 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 233.64 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *26.72* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *48.25* | |
| | | *For Smooth-Flo, Add* | *92.72* | |
| 33 42 11 00-0533 | LF | 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 255.44 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *29.26* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *52.84* | |
| | | *For Smooth-Flo, Add* | *101.54* | |
| 33 42 11 00-0534 | LF | 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 309.54 | 51.07 |
| | | *For Bituminous Coated Pipe, Add* | *35.62* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *64.33* | |
| | | *For Smooth-Flo, Add* | *123.62* | |
| **33 42 11 00-0535** | | **10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0502)* | | |
| 33 42 11 00-0536 | LF | 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 175.88 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *21.42* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *35.78* | |
| | | *For Smooth-Flo, Add* | *51.06* | |
| 33 42 11 00-0537 | LF | 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 201.68 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *25.10* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *41.92* | |
| | | *For Smooth-Flo, Add* | *59.82* | |
| 33 42 11 00-0538 | LF | 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 227.83 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *28.36* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *47.38* | |
| | | *For Smooth-Flo, Add* | *67.61* | |
| 33 42 11 00-0539 | LF | 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 267.35 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *33.59* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *56.12* | |
| | | *For Smooth-Flo, Add* | *80.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0540 | LF | 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 292.96 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *36.89* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *61.63* | |
| | | *For Smooth-Flo, Add* | *87.94* | |
| 33 42 11 00-0541 | LF | 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 350.77 | 51.07 |
| | | *For Bituminous Coated Pipe, Add* | *44.13* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *73.72* | |
| | | *For Smooth-Flo, Add* | *105.19* | |
| 33 42 11 00-0542 | LF | 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe | 416.97 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *47.39* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *79.16* | |
| | | *For Smooth-Flo, Add* | *112.95* | |
| **33 42 11 00-0543** | | **3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0501)* | | |
| **33 42 11 00-0544** | | **16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0543)* | | |
| 33 42 11 00-0545 | LF | 36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 137.80 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *16.73* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *37.97* | |
| | | *For Smooth-Flo, Add* | *75.60* | |
| 33 42 11 00-0546 | LF | 42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 157.30 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *19.64* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *44.59* | |
| | | *For Smooth-Flo, Add* | *88.78* | |
| 33 42 11 00-0547 | LF | 48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 176.82 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *22.03* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *50.01* | |
| | | *For Smooth-Flo, Add* | *99.58* | |
| 33 42 11 00-0548 | LF | 54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 211.03 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *26.91* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *61.09* | |
| | | *For Smooth-Flo, Add* | *121.63* | |
| 33 42 11 00-0549 | LF | 60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 229.91 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *29.32* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *66.55* | |
| | | *For Smooth-Flo, Add* | *132.51* | |
| 33 42 11 00-0550 | LF | 66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 288.29 | 51.07 |
| | | *For Bituminous Coated Pipe, Add* | *37.66* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *85.48* | |
| | | *For Smooth-Flo, Add* | *170.21* | |
| 33 42 11 00-0551 | LF | 72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 348.42 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *40.14* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *91.11* | |
| | | *For Smooth-Flo, Add* | *181.42* | |
| 33 42 11 00-0552 | LF | 78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 375.66 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *42.63* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *96.77* | |
| | | *For Smooth-Flo, Add* | *192.69* | |
| 33 42 11 00-0553 | LF | 84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 399.73 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *45.12* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *102.43* | |
| | | *For Smooth-Flo, Add* | *203.95* | |
| 33 42 11 00-0554 | LF | 90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 423.85 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *47.62* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *108.11* | |
| | | *For Smooth-Flo, Add* | *215.26* | |
| 33 42 11 00-0555 | LF | 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 448.72 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *50.11* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *113.74* | |
| | | *For Smooth-Flo, Add* | *226.48* | |
| 33 42 11 00-0556 | LF | 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 476.91 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *52.62* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *119.44* | |
| | | *For Smooth-Flo, Add* | *237.82* | |
| **33 42 11 00-0557** | | **14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0543)* | | |
| 33 42 11 00-0558 | LF | 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 232.23 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *31.15* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *61.05* | |
| | | *For Smooth-Flo, Add* | *123.35* | |
| 33 42 11 00-0559 | LF | 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 253.37 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *34.01* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *66.66* | |
| | | *For Smooth-Flo, Add* | *134.67* | |
| 33 42 11 00-0560 | LF | 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 314.10 | 51.07 |
| | | *For Bituminous Coated Pipe, Add* | *42.82* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *83.92* | |
| | | *For Smooth-Flo, Add* | *169.56* | |
| 33 42 11 00-0561 | LF | 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 376.54 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *45.76* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *89.69* | |
| | | *For Smooth-Flo, Add* | *181.22* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0562 | LF | 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 406.03 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *48.70* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *95.46* | |
| | | *For Smooth-Flo, Add* | *192.87* | |
| 33 42 11 00-0563 | LF | 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 432.50 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *51.68* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *101.28* | |
| | | *For Smooth-Flo, Add* | *204.64* | |
| 33 42 11 00-0564 | LF | 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 458.82 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *54.62* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *107.05* | |
| | | *For Smooth-Flo, Add* | *216.29* | |
| 33 42 11 00-0565 | LF | 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 486.00 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *57.56* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *112.82* | |
| | | *For Smooth-Flo, Add* | *227.95* | |
| 33 42 11 00-0566 | LF | 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 516.45 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *60.52* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *118.63* | |
| | | *For Smooth-Flo, Add* | *239.68* | |
| 33 42 11 00-0567 | LF | 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 549.57 | 116.08 |
| | | *For Bituminous Coated Pipe, Add* | *63.48* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *124.43* | |
| | | *For Smooth-Flo, Add* | *251.40* | |
| 33 42 11 00-0568 | LF | 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 581.96 | 127.68 |
| | | *For Bituminous Coated Pipe, Add* | *66.39* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *130.12* | |
| | | *For Smooth-Flo, Add* | *262.90* | |
| 33 42 11 00-0569 | | 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0543)* | | |
| 33 42 11 00-0570 | LF | 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 305.41 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *44.42* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *84.61* | |
| | | *For Smooth-Flo, Add* | *137.91* | |
| 33 42 11 00-0571 | LF | 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 371.74 | 51.07 |
| | | *For Bituminous Coated Pipe, Add* | *54.35* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *103.53* | |
| | | *For Smooth-Flo, Add* | *168.74* | |
| 33 42 11 00-0572 | LF | 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 439.20 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *58.29* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *111.05* | |
| | | *For Smooth-Flo, Add* | *181.00* | |
| 33 42 11 00-0573 | LF | 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 473.78 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *62.25* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *118.59* | |
| | | *For Smooth-Flo, Add* | *193.30* | |
| 33 42 11 00-0574 | LF | 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 505.27 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *66.23* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *126.17* | |
| | | *For Smooth-Flo, Add* | *205.64* | |
| 33 42 11 00-0575 | LF | 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 536.67 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *70.19* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *133.71* | |
| | | *For Smooth-Flo, Add* | *217.93* | |
| 33 42 11 00-0576 | LF | 96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 568.97 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *74.16* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *141.27* | |
| | | *For Smooth-Flo, Add* | *230.25* | |
| 33 42 11 00-0577 | LF | 102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 604.50 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *78.13* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *148.85* | |
| | | *For Smooth-Flo, Add* | *242.61* | |
| 33 42 11 00-0578 | LF | 108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 642.61 | 116.08 |
| | | *For Bituminous Coated Pipe, Add* | *82.09* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *156.39* | |
| | | *For Smooth-Flo, Add* | *254.90* | |
| 33 42 11 00-0579 | LF | 114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 680.12 | 127.68 |
| | | *For Bituminous Coated Pipe, Add* | *86.02* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *163.87* | |
| | | *For Smooth-Flo, Add* | *267.10* | |
| 33 42 11 00-0580 | LF | 120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 716.40 | 139.29 |
| | | *For Bituminous Coated Pipe, Add* | *90.00* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *171.45* | |
| | | *For Smooth-Flo, Add* | *279.45* | |
| 33 42 11 00-0581 | | 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0543)* | | |
| 33 42 11 00-0582 | LF | 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 497.64 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *69.98* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *132.97* | |
| | | *For Smooth-Flo, Add* | *177.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0583 | LF | 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 537.01 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *74.90* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *142.31* | |
| | | *For Smooth-Flo, Add* | *190.25* | |
| 33 42 11 00-0584 | LF | 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 573.30 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *79.84* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *151.69* | |
| | | *For Smooth-Flo, Add* | *202.78* | |
| 33 42 11 00-0585 | LF | 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 609.50 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *84.75* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *161.03* | |
| | | *For Smooth-Flo, Add* | *215.28* | |
| 33 42 11 00-0586 | LF | 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 646.59 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *89.68* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *170.39* | |
| | | *For Smooth-Flo, Add* | *227.79* | |
| 33 42 11 00-0587 | LF | 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 686.91 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *94.62* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *179.77* | |
| | | *For Smooth-Flo, Add* | *240.32* | |
| 33 42 11 00-0588 | LF | 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 729.82 | 116.08 |
| | | *For Bituminous Coated Pipe, Add* | *99.53* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *189.11* | |
| | | *For Smooth-Flo, Add* | *252.82* | |
| 33 42 11 00-0589 | LF | 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 772.08 | 127.68 |
| | | *For Bituminous Coated Pipe, Add* | *104.41* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *198.39* | |
| | | *For Smooth-Flo, Add* | *265.21* | |
| 33 42 11 00-0590 | LF | 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 813.20 | 139.29 |
| | | *For Bituminous Coated Pipe, Add* | *109.36* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *207.78* | |
| | | *For Smooth-Flo, Add* | *277.77* | |
| 33 42 11 00-0591 | LF | 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 856.39 | 150.90 |
| | | *For Bituminous Coated Pipe, Add* | *114.26* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *217.09* | |
| | | *For Smooth-Flo, Add* | *290.22* | |
| 33 42 11 00-0592 | LF | 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 902.59 | 162.51 |
| | | *For Bituminous Coated Pipe, Add* | *119.19* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *226.47* | |
| | | *For Smooth-Flo, Add* | *302.75* | |
| 33 42 11 00-0593 | LF | 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe | 952.35 | 174.12 |
| | | *For Bituminous Coated Pipe, Add* | *124.14* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *235.87* | |
| | | *For Smooth-Flo, Add* | *315.32* | |

### 33 42 11 00-0594 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0501)*

### 33 42 11 00-0595 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0594)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0596 | LF | 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 177.43 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *27.69* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *63.13* | |
| | | *For Smooth-Flo, Add* | *100.24* | |
| 33 42 11 00-0597 | LF | 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 212.20 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *33.93* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *77.36* | |
| | | *For Smooth-Flo, Add* | *122.83* | |
| 33 42 11 00-0598 | LF | 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 230.95 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *36.91* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *84.14* | |
| | | *For Smooth-Flo, Add* | *133.60* | |
| 33 42 11 00-0599 | LF | 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 285.85 | 51.07 |
| | | *For Bituminous Coated Pipe, Add* | *46.46* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *105.93* | |
| | | *For Smooth-Flo, Add* | *168.19* | |
| 33 42 11 00-0600 | LF | 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 345.70 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *49.49* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *112.84* | |
| | | *For Smooth-Flo, Add* | *179.16* | |
| 33 42 11 00-0601 | LF | 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 372.56 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *52.51* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *119.73* | |
| | | *For Smooth-Flo, Add* | *190.10* | |
| 33 42 11 00-0602 | LF | 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 396.20 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *55.52* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *126.59* | |
| | | *For Smooth-Flo, Add* | *200.98* | |
| 33 42 11 00-0603 | LF | 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 419.80 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *58.52* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *133.42* | |
| | | *For Smooth-Flo, Add* | *211.83* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0604 | LF | 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 444.44 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *61.56* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *140.36* | |
| | | *For Smooth-Flo, Add* | *222.86* | |
| 33 42 11 00-0605 | LF | 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 472.54 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *64.68* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *147.46* | |
| | | *For Smooth-Flo, Add* | *234.13* | |

## 33 42 11 00-0606 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0594)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0607 | LF | 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 238.72 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *32.45* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *76.25* | |
| | | *For Smooth-Flo, Add* | *138.07* | |
| 33 42 11 00-0608 | LF | 60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 260.42 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *35.42* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *83.23* | |
| | | *For Smooth-Flo, Add* | *150.70* | |
| 33 42 11 00-0609 | LF | 66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 318.00 | 51.07 |
| | | *For Bituminous Coated Pipe, Add* | *43.60* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *102.46* | |
| | | *For Smooth-Flo, Add* | *185.51* | |
| 33 42 11 00-0610 | LF | 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 380.44 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *46.54* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *109.37* | |
| | | *For Smooth-Flo, Add* | *198.04* | |
| 33 42 11 00-0611 | LF | 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 410.45 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *49.59* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *116.53* | |
| | | *For Smooth-Flo, Add* | *211.00* | |
| 33 42 11 00-0612 | LF | 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 437.06 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *52.59* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *123.58* | |
| | | *For Smooth-Flo, Add* | *223.76* | |
| 33 42 11 00-0613 | LF | 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 462.11 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *55.28* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *129.90* | |
| | | *For Smooth-Flo, Add* | *235.20* | |
| 33 42 11 00-0614 | LF | 96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 491.03 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *58.57* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *137.63* | |
| | | *For Smooth-Flo, Add* | *249.21* | |
| 33 42 11 00-0615 | LF | 102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 521.62 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *61.56* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *144.66* | |
| | | *For Smooth-Flo, Add* | *261.93* | |
| 33 42 11 00-0616 | LF | 108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 554.75 | 116.08 |
| | | *For Bituminous Coated Pipe, Add* | *64.52* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *151.62* | |
| | | *For Smooth-Flo, Add* | *274.53* | |
| 33 42 11 00-0617 | LF | 114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 587.79 | 127.68 |
| | | *For Bituminous Coated Pipe, Add* | *67.56* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *158.76* | |
| | | *For Smooth-Flo, Add* | *287.45* | |

## 33 42 11 00-0618 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0594)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0619 | LF | 60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 315.62 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *46.46* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *88.27* | |
| | | *For Smooth-Flo, Add* | *159.35* | |
| 33 42 11 00-0620 | LF | 66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 378.79 | 51.07 |
| | | *For Bituminous Coated Pipe, Add* | *55.76* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *105.94* | |
| | | *For Smooth-Flo, Add* | *191.24* | |
| 33 42 11 00-0621 | LF | 72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 447.01 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *59.86* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *113.73* | |
| | | *For Smooth-Flo, Add* | *205.31* | |
| 33 42 11 00-0622 | LF | 78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 482.14 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *63.93* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *121.46* | |
| | | *For Smooth-Flo, Add* | *219.27* | |
| 33 42 11 00-0623 | LF | 84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 513.92 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *67.96* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *129.12* | |
| | | *For Smooth-Flo, Add* | *233.10* | |
| 33 42 11 00-0624 | LF | 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 545.98 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *72.05* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *136.90* | |
| | | *For Smooth-Flo, Add* | *247.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0625 | LF | 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 578.75 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *76.11* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *144.61* | |
| | | *For Smooth-Flo, Add* | *261.06* | |
| 33 42 11 00-0626 | LF | 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 614.65 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *80.16* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *152.31* | |
| | | *For Smooth-Flo, Add* | *274.96* | |
| 33 42 11 00-0627 | LF | 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 653.42 | 116.08 |
| | | *For Bituminous Coated Pipe, Add* | *84.25* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *160.08* | |
| | | *For Smooth-Flo, Add* | *288.99* | |
| 33 42 11 00-0628 | LF | 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 691.59 | 127.68 |
| | | *For Bituminous Coated Pipe, Add* | *88.32* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *167.80* | |
| | | *For Smooth-Flo, Add* | *302.92* | |
| 33 42 11 00-0629 | LF | 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 728.29 | 139.29 |
| | | *For Bituminous Coated Pipe, Add* | *92.38* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *175.52* | |
| | | *For Smooth-Flo, Add* | *316.86* | |
| **33 42 11 00-0630** | | **10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0594)* | | |
| 33 42 11 00-0631 | LF | 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 510.76 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *72.61* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *137.95* | |
| | | *For Smooth-Flo, Add* | *216.73* | |
| 33 42 11 00-0632 | LF | 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 551.82 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *77.86* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *147.94* | |
| | | *For Smooth-Flo, Add* | *232.42* | |
| 33 42 11 00-0633 | LF | 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 589.14 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *83.00* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *157.71* | |
| | | *For Smooth-Flo, Add* | *247.77* | |
| 33 42 11 00-0634 | LF | 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 626.23 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *88.10* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *167.39* | |
| | | *For Smooth-Flo, Add* | *262.98* | |
| 33 42 11 00-0635 | LF | 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 664.45 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *93.25* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *177.18* | |
| | | *For Smooth-Flo, Add* | *278.36* | |
| 33 42 11 00-0636 | LF | 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 705.62 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *98.36* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *186.88* | |
| | | *For Smooth-Flo, Add* | *293.60* | |
| 33 42 11 00-0637 | LF | 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 749.66 | 116.08 |
| | | *For Bituminous Coated Pipe, Add* | *103.50* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *196.65* | |
| | | *For Smooth-Flo, Add* | *308.95* | |
| 33 42 11 00-0638 | LF | 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 793.19 | 127.68 |
| | | *For Bituminous Coated Pipe, Add* | *108.64* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *206.41* | |
| | | *For Smooth-Flo, Add* | *324.28* | |
| 33 42 11 00-0639 | LF | 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 835.10 | 139.29 |
| | | *For Bituminous Coated Pipe, Add* | *113.74* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *216.11* | |
| | | *For Smooth-Flo, Add* | *339.51* | |
| 33 42 11 00-0640 | LF | 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 887.51 | 150.90 |
| | | *For Bituminous Coated Pipe, Add* | *120.48* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *228.92* | |
| | | *For Smooth-Flo, Add* | *359.64* | |
| 33 42 11 00-0641 | LF | 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 936.82 | 162.51 |
| | | *For Bituminous Coated Pipe, Add* | *126.04* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *239.48* | |
| | | *For Smooth-Flo, Add* | *376.23* | |
| 33 42 11 00-0642 | LF | 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe | 990.71 | 174.12 |
| | | *For Bituminous Coated Pipe, Add* | *131.81* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *250.44* | |
| | | *For Smooth-Flo, Add* | *393.46* | |
| **33 42 11 00-0643** | | **Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 42 11 00-0501)* | | |
| **33 42 11 00-0644** | | **16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 42 11 00-0643)* | | |
| 33 42 11 00-0645 | LF | 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 62.21 | 13.11 |
| | | *For Bituminous Coated Pipe, Add* | *8.53* | |
| 33 42 11 00-0646 | LF | 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 71.24 | 14.21 |
| | | *For Bituminous Coated Pipe, Add* | *10.17* | |
| 33 42 11 00-0647 | LF | 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 79.53 | 15.30 |
| | | *For Bituminous Coated Pipe, Add* | *11.55* | |
| 33 42 11 00-0648 | LF | 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 104.20 | 19.68 |
| | | *For Bituminous Coated Pipe, Add* | *14.87* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0649 | LF | 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 134.18 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *18.64* | |
| 33 42 11 00-0650 | LF | 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 153.44 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *21.98* | |
| 33 42 11 00-0651 | LF | 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 172.87 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *24.74* | |
| 33 42 11 00-0652 | LF | 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 206.56 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *30.31* | |
| 33 42 11 00-0653 | LF | 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 225.35 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *33.09* | |
| **33 42 11 00-0654** | | **14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 42 11 00-0643)* | | |
| 33 42 11 00-0655 | LF | 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 68.32 | 13.11 |
| | | *For Bituminous Coated Pipe, Add* | *9.87* | |
| 33 42 11 00-0656 | LF | 21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 78.38 | 14.21 |
| | | *For Bituminous Coated Pipe, Add* | *11.73* | |
| 33 42 11 00-0657 | LF | 24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 87.66 | 15.30 |
| | | *For Bituminous Coated Pipe, Add* | *13.32* | |
| 33 42 11 00-0658 | LF | 30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 114.31 | 19.68 |
| | | *For Bituminous Coated Pipe, Add* | *17.08* | |
| 33 42 11 00-0659 | LF | 36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 146.36 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *21.30* | |
| 33 42 11 00-0660 | LF | 42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 167.69 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *25.09* | |
| 33 42 11 00-0661 | LF | 48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 189.14 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *28.29* | |
| 33 42 11 00-0662 | LF | 54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 224.85 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *34.27* | |
| 33 42 11 00-0663 | LF | 60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 245.71 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *37.51* | |
| 33 42 11 00-0664 | LF | 66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 301.74 | 51.07 |
| | | *For Bituminous Coated Pipe, Add* | *46.60* | |
| 33 42 11 00-0665 | LF | 72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 363.28 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *49.79* | |
| 33 42 11 00-0666 | LF | 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 392.12 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *53.04* | |
| **33 42 11 00-0667** | | **12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 42 11 00-0643)* | | |
| 33 42 11 00-0668 | LF | 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 134.81 | 19.68 |
| | | *For Bituminous Coated Pipe, Add* | *17.85* | |
| 33 42 11 00-0669 | LF | 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 170.85 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *22.05* | |
| 33 42 11 00-0670 | LF | 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 196.37 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *25.95* | |
| 33 42 11 00-0671 | LF | 48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 221.86 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *29.33* | |
| 33 42 11 00-0672 | LF | 54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 261.71 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *35.01* | |
| 33 42 11 00-0673 | LF | 60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 286.70 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *38.44* | |
| 33 42 11 00-0674 | LF | 66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 346.73 | 51.07 |
| | | *For Bituminous Coated Pipe, Add* | *46.63* | |
| 33 42 11 00-0675 | LF | 72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 412.31 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *50.01* | |
| 33 42 11 00-0676 | LF | 78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 445.19 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *53.43* | |
| 33 42 11 00-0677 | LF | 84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 474.81 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *56.83* | |
| 33 42 11 00-0678 | LF | 90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 504.38 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *60.22* | |
| 33 42 11 00-0679 | LF | 96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 534.80 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *63.62* | |
| 33 42 11 00-0680 | LF | 102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe | 566.42 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *66.64* | |
| **33 42 11 00-0681** | | **1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0501)* | | |
| **33 42 11 00-0682** | | **1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0681)* | | |
| 33 42 11 00-0683 | LF | 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 22.01 | 6.56 |
| | | *For Bituminous Coated Pipe, Add* | *2.18* | |
| 33 42 11 00-0684 | LF | 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 23.83 | 6.56 |
| | | *For Bituminous Coated Pipe, Add* | *2.63* | |
| 33 42 11 00-0685 | LF | 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 27.68 | 8.20 |
| | | *For Bituminous Coated Pipe, Add* | *2.89* | |
| 33 42 11 00-0686 | LF | 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 29.99 | 8.20 |
| | | *For Bituminous Coated Pipe, Add* | *3.45* | |
| 33 42 11 00-0687 | LF | 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 34.97 | 9.84 |
| | | *For Bituminous Coated Pipe, Add* | *3.62* | |
| 33 42 11 00-0688 | LF | 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 37.91 | 9.84 |
| | | *For Bituminous Coated Pipe, Add* | *4.34* | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0689 | | Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0681)* | | |
| 33 42 11 00-0690 | LF | 6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 22.26 | 6.56 |
| | | *For Bituminous Coated Pipe, Add* | *2.15* | |
| 33 42 11 00-0691 | LF | 6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 24.03 | 6.56 |
| | | *For Bituminous Coated Pipe, Add* | *2.57* | |
| 33 42 11 00-0692 | LF | 8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 27.93 | 8.20 |
| | | *For Bituminous Coated Pipe, Add* | *2.83* | |
| 33 42 11 00-0693 | LF | 8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 30.38 | 8.20 |
| | | *For Bituminous Coated Pipe, Add* | *3.40* | |
| 33 42 11 00-0694 | LF | 10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 35.41 | 9.84 |
| | | *For Bituminous Coated Pipe, Add* | *3.58* | |
| 33 42 11 00-0695 | LF | 10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 38.42 | 9.84 |
| | | *For Bituminous Coated Pipe, Add* | *4.29* | |
| 33 42 11 00-0696 | | 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings *(33 42 11 00-0681)* | | |
| 33 42 11 00-0697 | EA | 6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 13.47 | |
| | | *For Bituminous Coated Pipe, Add* | *3.03* | |
| 33 42 11 00-0698 | EA | 8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 17.83 | |
| | | *For Bituminous Coated Pipe, Add* | *4.01* | |
| 33 42 11 00-0699 | EA | 10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 21.86 | |
| | | *For Bituminous Coated Pipe, Add* | *4.92* | |
| 33 42 11 00-0700 | EA | 6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 48.57 | |
| | | *For Bituminous Coated Pipe, Add* | *6.70* | |
| 33 42 11 00-0701 | EA | 6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 10.47 | |
| | | *For Bituminous Coated Pipe, Add* | *1.53* | |
| 33 42 11 00-0702 | EA | 8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe | 13.33 | |
| | | *For Bituminous Coated Pipe, Add* | *2.30* | |
| 33 42 11 00-0703 | | 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0501)* | | |
| 33 42 11 00-0704 | | 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0703)* | | |
| 33 42 11 00-0705 | LF | 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 69.29 | 11.47 |
| 33 42 11 00-0706 | LF | 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 81.94 | 12.02 |
| 33 42 11 00-0707 | LF | 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 94.98 | 13.11 |
| 33 42 11 00-0708 | LF | 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 110.56 | 14.21 |
| 33 42 11 00-0709 | LF | 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 123.40 | 15.30 |
| 33 42 11 00-0710 | LF | 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 161.45 | 19.68 |
| 33 42 11 00-0711 | LF | 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 207.02 | 25.54 |
| 33 42 11 00-0712 | LF | 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 239.91 | 30.18 |
| 33 42 11 00-0713 | LF | 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 269.23 | 34.82 |
| 33 42 11 00-0714 | | 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0703)* | | |
| 33 42 11 00-0715 | LF | 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 79.13 | 11.47 |
| 33 42 11 00-0716 | LF | 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 94.12 | 12.02 |
| 33 42 11 00-0717 | LF | 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 109.58 | 13.11 |
| 33 42 11 00-0718 | LF | 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 127.46 | 14.21 |
| 33 42 11 00-0719 | LF | 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 143.03 | 15.30 |
| 33 42 11 00-0720 | LF | 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 185.55 | 19.68 |
| 33 42 11 00-0721 | LF | 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 236.11 | 25.54 |
| 33 42 11 00-0722 | LF | 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 273.29 | 30.18 |
| 33 42 11 00-0723 | LF | 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 307.33 | 34.82 |
| 33 42 11 00-0724 | LF | 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 372.49 | 39.47 |
| 33 42 11 00-0725 | | 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0703)* | | |
| 33 42 11 00-0726 | LF | 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 140.00 | 13.11 |
| 33 42 11 00-0727 | LF | 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 162.98 | 14.21 |
| 33 42 11 00-0728 | LF | 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 183.42 | 15.30 |
| 33 42 11 00-0729 | LF | 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 236.01 | 19.68 |
| 33 42 11 00-0730 | LF | 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 284.28 | 25.54 |
| 33 42 11 00-0731 | LF | 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 343.86 | 30.18 |
| 33 42 11 00-0732 | LF | 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 387.87 | 34.82 |
| 33 42 11 00-0733 | LF | 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 464.39 | 39.47 |
| 33 42 11 00-0734 | LF | 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 507.45 | 41.79 |
| 33 42 11 00-0735 | LF | 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 621.68 | 51.07 |
| 33 42 11 00-0736 | | 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0703)* | | |
| 33 42 11 00-0737 | LF | 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 351.95 | 25.54 |
| 33 42 11 00-0738 | LF | 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 408.15 | 30.18 |
| 33 42 11 00-0739 | LF | 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 460.90 | 34.82 |
| 33 42 11 00-0740 | LF | 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 546.19 | 39.47 |
| 33 42 11 00-0741 | LF | 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 598.53 | 41.79 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0742 | LF | 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 721.70 | 51.07 |
| 33 42 11 00-0743 | LF | 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe | 814.27 | 74.29 |
| **33 42 11 00-0744** | | **3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0501)* | | |
| **33 42 11 00-0745** | | **16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0744)* | | |
| 33 42 11 00-0746 | LF | 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 262.87 | 25.54 |
| 33 42 11 00-0747 | LF | 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 304.30 | 30.18 |
| 33 42 11 00-0748 | LF | 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 341.44 | 34.82 |
| 33 42 11 00-0749 | LF | 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 413.55 | 39.47 |
| 33 42 11 00-0750 | LF | 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 450.27 | 41.79 |
| 33 42 11 00-0751 | LF | 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 573.81 | 51.07 |
| 33 42 11 00-0752 | LF | 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 652.37 | 74.29 |
| 33 42 11 00-0753 | LF | 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 697.97 | 81.26 |
| 33 42 11 00-0754 | LF | 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 740.51 | 87.06 |
| 33 42 11 00-0755 | LF | 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 783.09 | 92.86 |
| 33 42 11 00-0756 | LF | 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 826.38 | 98.67 |
| 33 42 11 00-0757 | LF | 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 873.12 | 104.47 |
| **33 42 11 00-0758** | | **14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0744)* | | |
| 33 42 11 00-0759 | LF | 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 466.14 | 39.47 |
| 33 42 11 00-0760 | LF | 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 508.41 | 41.79 |
| 33 42 11 00-0761 | LF | 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 637.84 | 51.07 |
| 33 42 11 00-0762 | LF | 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 722.01 | 74.29 |
| 33 42 11 00-0763 | LF | 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 773.31 | 81.26 |
| 33 42 11 00-0764 | LF | 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 821.75 | 87.06 |
| 33 42 11 00-0765 | LF | 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 869.85 | 92.86 |
| 33 42 11 00-0766 | LF | 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 918.79 | 98.67 |
| 33 42 11 00-0767 | LF | 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 971.26 | 104.47 |
| 33 42 11 00-0768 | LF | 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,026.26 | 116.08 |
| 33 42 11 00-0769 | LF | 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,080.13 | 127.68 |
| **33 42 11 00-0770** | | **12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0744)* | | |
| 33 42 11 00-0771 | LF | 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 640.67 | 41.79 |
| 33 42 11 00-0772 | LF | 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 784.98 | 51.07 |
| 33 42 11 00-0773 | LF | 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 881.91 | 74.29 |
| 33 42 11 00-0774 | LF | 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 946.02 | 81.26 |
| 33 42 11 00-0775 | LF | 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,007.22 | 87.06 |
| 33 42 11 00-0776 | LF | 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,068.16 | 92.86 |
| 33 42 11 00-0777 | LF | 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,130.02 | 98.67 |
| 33 42 11 00-0778 | LF | 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,195.23 | 104.47 |
| 33 42 11 00-0779 | LF | 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,262.88 | 116.08 |
| 33 42 11 00-0780 | LF | 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,329.76 | 127.68 |
| 33 42 11 00-0781 | LF | 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,395.74 | 139.29 |
| **33 42 11 00-0782** | | **10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0744)* | | |
| 33 42 11 00-0783 | LF | 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,027.60 | 74.29 |
| 33 42 11 00-0784 | LF | 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,103.59 | 81.26 |
| 33 42 11 00-0785 | LF | 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,176.76 | 87.06 |
| 33 42 11 00-0786 | LF | 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,249.61 | 92.86 |
| 33 42 11 00-0787 | LF | 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,323.47 | 98.67 |
| 33 42 11 00-0788 | LF | 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,400.63 | 104.47 |
| 33 42 11 00-0789 | LF | 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,480.26 | 116.08 |
| 33 42 11 00-0790 | LF | 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,559.02 | 127.68 |
| 33 42 11 00-0791 | LF | 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,636.95 | 139.29 |
| 33 42 11 00-0792 | LF | 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,716.75 | 150.90 |
| 33 42 11 00-0793 | LF | 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,799.79 | 162.51 |
| 33 42 11 00-0794 | LF | 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe | 1,886.40 | 174.12 |
| **33 42 11 00-0795** | | **125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0501)* | | |
| **33 42 11 00-0796** | | **16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0795)* | | |
| 33 42 11 00-0797 | LF | 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 330.10 | 34.82 |
| 33 42 11 00-0798 | LF | 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 401.07 | 39.47 |
| 33 42 11 00-0799 | LF | 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 435.97 | 41.79 |
| 33 42 11 00-0800 | LF | 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 547.24 | 51.07 |
| 33 42 11 00-0801 | LF | 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 623.62 | 74.29 |
| 33 42 11 00-0802 | LF | 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 666.96 | 81.26 |
| 33 42 11 00-0803 | LF | 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 706.94 | 87.06 |
| 33 42 11 00-0804 | LF | 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 746.81 | 92.86 |
| 33 42 11 00-0805 | LF | 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 787.96 | 98.67 |
| 33 42 11 00-0806 | LF | 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 833.11 | 104.47 |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0807 | | 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0795)* | | |
| 33 42 11 00-0808 | LF | 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 463.54 | 39.47 |
| 33 42 11 00-0809 | LF | 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 505.55 | 41.79 |
| 33 42 11 00-0810 | LF | 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 623.12 | 51.07 |
| 33 42 11 00-0811 | LF | 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 705.62 | 74.29 |
| 33 42 11 00-0812 | LF | 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 756.36 | 81.26 |
| 33 42 11 00-0813 | LF | 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 803.30 | 87.06 |
| 33 42 11 00-0814 | LF | 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 846.67 | 92.86 |
| 33 42 11 00-0815 | LF | 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 897.95 | 98.67 |
| 33 42 11 00-0816 | LF | 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 948.92 | 104.47 |
| 33 42 11 00-0817 | LF | 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,002.14 | 116.08 |
| 33 42 11 00-0818 | LF | 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,055.84 | 127.68 |
| 33 42 11 00-0819 | | 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0795)* | | |
| 33 42 11 00-0820 | LF | 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 645.01 | 41.79 |
| 33 42 11 00-0821 | LF | 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 777.41 | 51.07 |
| 33 42 11 00-0822 | LF | 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 874.48 | 74.29 |
| 33 42 11 00-0823 | LF | 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 938.05 | 81.26 |
| 33 42 11 00-0824 | LF | 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 998.06 | 87.06 |
| 33 42 11 00-0825 | LF | 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,058.83 | 92.86 |
| 33 42 11 00-0826 | LF | 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,120.08 | 98.67 |
| 33 42 11 00-0827 | LF | 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,184.31 | 104.47 |
| 33 42 11 00-0828 | LF | 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,251.78 | 116.08 |
| 33 42 11 00-0829 | LF | 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,318.42 | 127.68 |
| 33 42 11 00-0830 | LF | 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,383.55 | 139.29 |
| 33 42 11 00-0831 | | 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0795)* | | |
| 33 42 11 00-0832 | LF | 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,027.54 | 74.29 |
| 33 42 11 00-0833 | LF | 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,105.34 | 81.26 |
| 33 42 11 00-0834 | LF | 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,178.77 | 87.06 |
| 33 42 11 00-0835 | LF | 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,251.58 | 92.86 |
| 33 42 11 00-0836 | LF | 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,325.79 | 98.67 |
| 33 42 11 00-0837 | LF | 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,402.83 | 104.47 |
| 33 42 11 00-0838 | LF | 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,482.81 | 116.08 |
| 33 42 11 00-0839 | LF | 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,562.30 | 127.68 |
| 33 42 11 00-0840 | LF | 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,640.06 | 139.29 |
| 33 42 11 00-0841 | LF | 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,739.66 | 150.90 |
| 33 42 11 00-0842 | LF | 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,827.95 | 162.51 |
| 33 42 11 00-0843 | LF | 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe | 1,922.26 | 174.12 |
| 33 42 11 00-0844 | | Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0500)* | | |
| 33 42 11 00-0845 | | 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0844)* | | |
| 33 42 11 00-0846 | | 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0845)* | | |
| 33 42 11 00-0847 | LF | 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 49.61 | 12.02 |
| | | *For Bituminous Coated Pipe, Add* | *6.21* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *15.00* | |
| | | *For Smooth-Flo, Add* | *24.75* | |
| 33 42 11 00-0848 | LF | 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 55.35 | 13.11 |
| | | *For Bituminous Coated Pipe, Add* | *7.41* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *17.92* | |
| | | *For Smooth-Flo, Add* | *29.55* | |
| 33 42 11 00-0849 | LF | 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 63.43 | 14.21 |
| | | *For Bituminous Coated Pipe, Add* | *8.92* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *21.56* | |
| | | *For Smooth-Flo, Add* | *35.57* | |
| 33 42 11 00-0850 | LF | 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 71.26 | 15.30 |
| | | *For Bituminous Coated Pipe, Add* | *10.28* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *24.85* | |
| | | *For Smooth-Flo, Add* | *40.99* | |
| 33 42 11 00-0851 | LF | 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 92.78 | 19.68 |
| | | *For Bituminous Coated Pipe, Add* | *13.05* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *31.56* | |
| | | *For Smooth-Flo, Add* | *52.05* | |
| 33 42 11 00-0852 | LF | 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 121.77 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *16.83* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *40.70* | |
| | | *For Smooth-Flo, Add* | *67.13* | |
| 33 42 11 00-0853 | | 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0845)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0854 | LF | 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 54.64 | 12.02 |
| | | *For Bituminous Coated Pipe, Add* | *6.44* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *15.06* | |
| | | *For Smooth-Flo, Add* | *24.71* | |
| 33 42 11 00-0855 | LF | 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 61.51 | 13.11 |
| | | *For Bituminous Coated Pipe, Add* | *7.72* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *18.07* | |
| | | *For Smooth-Flo, Add* | *29.63* | |
| 33 42 11 00-0856 | LF | 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 70.30 | 14.21 |
| | | *For Bituminous Coated Pipe, Add* | *9.18* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *21.47* | |
| | | *For Smooth-Flo, Add* | *35.22* | |
| 33 42 11 00-0857 | LF | 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 79.20 | 15.30 |
| | | *For Bituminous Coated Pipe, Add* | *10.58* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *24.76* | |
| | | *For Smooth-Flo, Add* | *40.61* | |
| 33 42 11 00-0858 | LF | 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 102.70 | 19.68 |
| | | *For Bituminous Coated Pipe, Add* | *13.40* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *31.36* | |
| | | *For Smooth-Flo, Add* | *51.43* | |
| 33 42 11 00-0859 | LF | 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 133.57 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *17.07* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *39.94* | |
| | | *For Smooth-Flo, Add* | *65.51* | |
| 33 42 11 00-0860 | LF | 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 153.68 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *20.34* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *47.58* | |
| | | *For Smooth-Flo, Add* | *78.04* | |

### 33 42 11 00-0861 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0845)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0862 | LF | 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 79.98 | 13.93 |
| | | *For Bituminous Coated Pipe, Add* | *8.35* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *18.59* | |
| | | *For Smooth-Flo, Add* | *28.58* | |
| 33 42 11 00-0863 | LF | 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 91.47 | 15.09 |
| | | *For Bituminous Coated Pipe, Add* | *9.91* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *22.05* | |
| | | *For Smooth-Flo, Add* | *33.90* | |
| 33 42 11 00-0864 | LF | 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 102.82 | 16.25 |
| | | *For Bituminous Coated Pipe, Add* | *11.36* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *25.29* | |
| | | *For Smooth-Flo, Add* | *38.88* | |
| 33 42 11 00-0865 | LF | 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 132.69 | 20.89 |
| | | *For Bituminous Coated Pipe, Add* | *14.31* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *31.84* | |
| | | *For Smooth-Flo, Add* | *48.95* | |
| 33 42 11 00-0866 | LF | 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 157.64 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *17.90* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *39.84* | |
| | | *For Smooth-Flo, Add* | *61.25* | |
| 33 42 11 00-0867 | LF | 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 181.46 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *21.17* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *47.11* | |
| | | *For Smooth-Flo, Add* | *72.44* | |
| 33 42 11 00-0868 | LF | 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 211.80 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *25.11* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *55.88* | |
| | | *For Smooth-Flo, Add* | *85.92* | |
| 33 42 11 00-0869 | LF | 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 236.74 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *27.72* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *61.70* | |
| | | *For Smooth-Flo, Add* | *94.87* | |

### 33 42 11 00-0870 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0845)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0871 | LF | 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 180.30 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *21.57* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *45.41* | |
| | | *For Smooth-Flo, Add* | *57.26* | |
| 33 42 11 00-0872 | LF | 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 207.88 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *25.44* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *53.56* | |
| | | *For Smooth-Flo, Add* | *67.55* | |
| 33 42 11 00-0873 | LF | 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 241.74 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *29.94* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *63.03* | |
| | | *For Smooth-Flo, Add* | *79.48* | |
| 33 42 11 00-0874 | LF | 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 270.59 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *33.19* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *69.88* | |
| | | *For Smooth-Flo, Add* | *88.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0875 | LF | 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 296.44 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *36.44* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *76.72* | |
| | | *For Smooth-Flo, Add* | *96.75* | |
| 33 42 11 00-0876 | | 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0844)* | | |
| 33 42 11 00-0877 | | 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0876)* | | |
| 33 42 11 00-0878 | LF | 60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 236.41 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *31.99* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *97.24* | |
| | | *For Smooth-Flo, Add* | *108.75* | |
| 33 42 11 00-0879 | LF | 66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 258.36 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *35.01* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *106.42* | |
| | | *For Smooth-Flo, Add* | *119.02* | |
| 33 42 11 00-0880 | LF | 73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 319.84 | 51.07 |
| | | *For Bituminous Coated Pipe, Add* | *43.97* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *133.66* | |
| | | *For Smooth-Flo, Add* | *149.48* | |
| 33 42 11 00-0881 | LF | 81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 383.40 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *47.13* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *143.29* | |
| | | *For Smooth-Flo, Add* | *160.26* | |
| 33 42 11 00-0882 | LF | 87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 414.82 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *50.46* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *153.40* | |
| | | *For Smooth-Flo, Add* | *171.57* | |
| 33 42 11 00-0883 | LF | 95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 443.17 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *53.81* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *163.58* | |
| | | *For Smooth-Flo, Add* | *182.95* | |
| 33 42 11 00-0884 | LF | 103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 471.42 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *57.14* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *173.70* | |
| | | *For Smooth-Flo, Add* | *194.27* | |
| 33 42 11 00-0885 | LF | 112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 500.48 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *60.46* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *183.79* | |
| | | *For Smooth-Flo, Add* | *205.56* | |
| 33 42 11 00-0886 | | 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0876)* | | |
| 33 42 11 00-0887 | LF | 66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 310.45 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *45.42* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *119.01* | |
| | | *For Smooth-Flo, Add* | *140.81* | |
| 33 42 11 00-0888 | LF | 73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 377.62 | 51.07 |
| | | *For Bituminous Coated Pipe, Add* | *55.52* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *145.47* | |
| | | *For Smooth-Flo, Add* | *172.12* | |
| 33 42 11 00-0889 | LF | 81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 446.30 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *59.71* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *156.45* | |
| | | *For Smooth-Flo, Add* | *185.11* | |
| 33 42 11 00-0890 | LF | 87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 482.80 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *64.06* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *167.83* | |
| | | *For Smooth-Flo, Add* | *198.58* | |
| 33 42 11 00-0891 | LF | 95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 516.23 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *68.42* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *179.27* | |
| | | *For Smooth-Flo, Add* | *212.11* | |
| 33 42 11 00-0892 | LF | 103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 549.60 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *72.77* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *190.67* | |
| | | *For Smooth-Flo, Add* | *225.60* | |
| 33 42 11 00-0893 | LF | 112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 583.74 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *77.11* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *202.03* | |
| | | *For Smooth-Flo, Add* | *239.04* | |
| 33 42 11 00-0894 | LF | 117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 621.28 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *81.49* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *213.50* | |
| | | *For Smooth-Flo, Add* | *252.62* | |
| 33 42 11 00-0895 | LF | 128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 661.37 | 116.08 |
| | | *For Bituminous Coated Pipe, Add* | *85.84* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *224.91* | |
| | | *For Smooth-Flo, Add* | *266.12* | |
| 33 42 11 00-0896 | LF | 137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 703.16 | 127.68 |
| | | *For Bituminous Coated Pipe, Add* | *90.63* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *237.45* | |
| | | *For Smooth-Flo, Add* | *280.95* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0897 | | 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0876)* | | |
| 33 42 11 00-0898 | LF | 81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 504.74 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *71.40* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *169.94* | |
| | | *For Smooth-Flo, Add* | *184.57* | |
| 33 42 11 00-0899 | LF | 87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 546.08 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *76.71* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *182.58* | |
| | | *For Smooth-Flo, Add* | *198.31* | |
| 33 42 11 00-0900 | LF | 95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 584.30 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *82.04* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *195.25* | |
| | | *For Smooth-Flo, Add* | *212.06* | |
| 33 42 11 00-0901 | LF | 103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 622.38 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *87.33* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *207.85* | |
| | | *For Smooth-Flo, Add* | *225.75* | |
| 33 42 11 00-0902 | LF | 112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 661.35 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *92.63* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *220.46* | |
| | | *For Smooth-Flo, Add* | *239.45* | |
| 33 42 11 00-0903 | LF | 117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 703.65 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *97.96* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *233.15* | |
| | | *For Smooth-Flo, Add* | *253.24* | |
| 33 42 11 00-0904 | LF | 128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 748.53 | 116.08 |
| | | *For Bituminous Coated Pipe, Add* | *103.28* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *245.80* | |
| | | *For Smooth-Flo, Add* | *266.97* | |
| 33 42 11 00-0905 | LF | 137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 794.74 | 127.68 |
| | | *For Bituminous Coated Pipe, Add* | *108.95* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *259.29* | |
| | | *For Smooth-Flo, Add* | *281.63* | |
| 33 42 11 00-0906 | LF | 142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch | 845.16 | 139.29 |
| | | *For Bituminous Coated Pipe, Add* | *115.75* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *275.49* | |
| | | *For Smooth-Flo, Add* | *299.22* | |
| 33 42 11 00-0907 | | 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0844)* | | |
| 33 42 11 00-0908 | | 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0907)* | | |
| 33 42 11 00-0909 | LF | 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 452.04 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *60.86* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *148.50* | |
| | | *For Smooth-Flo, Add* | *188.98* | |
| 33 42 11 00-0910 | LF | 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 487.97 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *65.09* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *158.82* | |
| | | *For Smooth-Flo, Add* | *202.11* | |
| 33 42 11 00-0911 | LF | 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 520.50 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *69.28* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *169.03* | |
| | | *For Smooth-Flo, Add* | *215.10* | |
| 33 42 11 00-0912 | LF | 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 553.03 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *73.46* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *179.24* | |
| | | *For Smooth-Flo, Add* | *228.09* | |
| 33 42 11 00-0913 | LF | 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 586.56 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *77.67* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *189.52* | |
| | | *For Smooth-Flo, Add* | *241.18* | |
| 33 42 11 00-0914 | LF | 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 623.63 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *81.96* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *199.98* | |
| | | *For Smooth-Flo, Add* | *254.49* | |
| 33 42 11 00-0915 | LF | 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 663.25 | 116.08 |
| | | *For Bituminous Coated Pipe, Add* | *86.22* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *210.38* | |
| | | *For Smooth-Flo, Add* | *267.71* | |
| 33 42 11 00-0916 | LF | 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 707.81 | 127.68 |
| | | *For Bituminous Coated Pipe, Add* | *91.56* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *223.41* | |
| | | *For Smooth-Flo, Add* | *284.29* | |
| 33 42 11 00-0917 | | 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0907)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-0918 | LF | 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 516.73 | 74.29 |
| | | *For Bituminous Coated Pipe, Add* | *73.80* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *166.79* | |
| | | *For Smooth-Flo, Add* | *181.18* | |
| 33 42 11 00-0919 | LF | 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 557.83 | 81.26 |
| | | *For Bituminous Coated Pipe, Add* | *79.06* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *178.68* | |
| | | *For Smooth-Flo, Add* | *194.10* | |
| 33 42 11 00-0920 | LF | 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 595.63 | 87.06 |
| | | *For Bituminous Coated Pipe, Add* | *84.30* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *190.52* | |
| | | *For Smooth-Flo, Add* | *206.96* | |
| 33 42 11 00-0921 | LF | 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 633.57 | 92.86 |
| | | *For Bituminous Coated Pipe, Add* | *89.57* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *202.42* | |
| | | *For Smooth-Flo, Add* | *219.89* | |
| 33 42 11 00-0922 | LF | 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 671.46 | 98.67 |
| | | *For Bituminous Coated Pipe, Add* | *94.65* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *213.92* | |
| | | *For Smooth-Flo, Add* | *232.38* | |
| 33 42 11 00-0923 | LF | 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 714.51 | 104.47 |
| | | *For Bituminous Coated Pipe, Add* | *100.14* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *226.31* | |
| | | *For Smooth-Flo, Add* | *245.83* | |
| 33 42 11 00-0924 | LF | 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 759.48 | 116.08 |
| | | *For Bituminous Coated Pipe, Add* | *105.47* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *238.35* | |
| | | *For Smooth-Flo, Add* | *258.92* | |
| 33 42 11 00-0925 | LF | 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 809.36 | 127.68 |
| | | *For Bituminous Coated Pipe, Add* | *111.87* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *252.83* | |
| | | *For Smooth-Flo, Add* | *274.64* | |
| 33 42 11 00-0926 | LF | 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch | 855.98 | 139.29 |
| | | *For Bituminous Coated Pipe, Add* | *117.92* | |
| | | *For Bituminous Coated And 25% Paved, Add* | *266.49* | |
| | | *For Smooth-Flo, Add* | *289.48* | |

## 33 42 11 00-0927 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*

## 33 42 11 00-0928 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch
*(33 42 11 00-0927)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0929 | LF | 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 82.02 | 12.02 |
| 33 42 11 00-0930 | LF | 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 94.09 | 13.11 |
| 33 42 11 00-0931 | LF | 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 110.18 | 14.21 |
| 33 42 11 00-0932 | LF | 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 125.20 | 15.30 |
| 33 42 11 00-0933 | LF | 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 161.50 | 19.68 |
| 33 42 11 00-0934 | LF | 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 211.04 | 25.54 |

## 33 42 11 00-0935 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch
*(33 42 11 00-0927)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0936 | LF | 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 93.59 | 12.02 |
| 33 42 11 00-0937 | LF | 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 108.22 | 13.11 |
| 33 42 11 00-0938 | LF | 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 125.96 | 14.21 |
| 33 42 11 00-0939 | LF | 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 143.54 | 15.30 |
| 33 42 11 00-0940 | LF | 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 184.30 | 19.68 |
| 33 42 11 00-0941 | LF | 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 238.16 | 25.54 |
| 33 42 11 00-0942 | LF | 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 278.53 | 30.18 |

## 33 42 11 00-0943 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch
*(33 42 11 00-0927)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0944 | LF | 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 142.88 | 13.11 |
| 33 42 11 00-0945 | LF | 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 167.00 | 14.21 |
| 33 42 11 00-0946 | LF | 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 190.02 | 15.30 |
| 33 42 11 00-0947 | LF | 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 242.31 | 19.68 |
| 33 42 11 00-0948 | LF | 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 308.23 | 25.54 |
| 33 42 11 00-0949 | LF | 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 360.13 | 30.18 |
| 33 42 11 00-0950 | LF | 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 425.13 | 34.82 |
| 33 42 11 00-0951 | LF | 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 471.68 | 39.47 |

## 33 42 11 00-0952 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch
*(33 42 11 00-0927)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-0953 | LF | 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 363.19 | 25.54 |
| 33 42 11 00-0954 | LF | 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 424.25 | 30.18 |
| 33 42 11 00-0955 | LF | 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 497.82 | 34.82 |
| 33 42 11 00-0956 | LF | 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 553.87 | 39.47 |
| 33 42 11 00-0957 | LF | 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 606.80 | 41.79 |

## 33 42 11 00-0958 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 42 11 00-0959** | | **14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0958)* | | |
| 33 42 11 00-0960 | LF | 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 476.47 | 39.47 |
| 33 42 11 00-0961 | LF | 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 520.55 | 41.79 |
| 33 42 11 00-0962 | LF | 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 651.93 | 51.07 |
| 33 42 11 00-0963 | LF | 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 738.94 | 74.29 |
| 33 42 11 00-0964 | LF | 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 795.04 | 81.26 |
| 33 42 11 00-0965 | LF | 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 848.13 | 87.06 |
| 33 42 11 00-0966 | LF | 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 900.99 | 92.86 |
| 33 42 11 00-0967 | LF | 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 954.81 | 98.67 |
| **33 42 11 00-0968** | | **12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0958)* | | |
| 33 42 11 00-0969 | LF | 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 653.07 | 41.79 |
| 33 42 11 00-0970 | LF | 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 799.45 | 51.07 |
| 33 42 11 00-0971 | LF | 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 899.49 | 74.29 |
| 33 42 11 00-0972 | LF | 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 968.38 | 81.26 |
| 33 42 11 00-0973 | LF | 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,034.34 | 87.06 |
| 33 42 11 00-0974 | LF | 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,100.21 | 92.86 |
| 33 42 11 00-0975 | LF | 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,166.77 | 98.67 |
| 33 42 11 00-0976 | LF | 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,236.95 | 104.47 |
| 33 42 11 00-0977 | LF | 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,309.53 | 116.08 |
| 33 42 11 00-0978 | LF | 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,387.07 | 127.68 |
| **33 42 11 00-0979** | | **10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0958)* | | |
| 33 42 11 00-0980 | LF | 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,045.14 | 74.29 |
| 33 42 11 00-0981 | LF | 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,126.07 | 81.26 |
| 33 42 11 00-0982 | LF | 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,204.07 | 87.06 |
| 33 42 11 00-0983 | LF | 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,281.64 | 92.86 |
| 33 42 11 00-0984 | LF | 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,360.19 | 98.67 |
| 33 42 11 00-0985 | LF | 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,442.28 | 104.47 |
| 33 42 11 00-0986 | LF | 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,526.86 | 116.08 |
| 33 42 11 00-0987 | LF | 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,615.34 | 127.68 |
| 33 42 11 00-0988 | LF | 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,716.54 | 139.29 |
| **33 42 11 00-0989** | | **125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0844)* | | |
| **33 42 11 00-0990** | | **12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0989)* | | |
| 33 42 11 00-0991 | LF | 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 886.39 | 74.29 |
| 33 42 11 00-0992 | LF | 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 952.01 | 81.26 |
| 33 42 11 00-0993 | LF | 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,013.88 | 87.06 |
| 33 42 11 00-0994 | LF | 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,075.67 | 92.86 |
| 33 42 11 00-0995 | LF | 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,138.70 | 98.67 |
| 33 42 11 00-0996 | LF | 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,205.83 | 104.47 |
| 33 42 11 00-0997 | LF | 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,275.26 | 116.08 |
| 33 42 11 00-0998 | LF | 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,357.22 | 127.68 |
| **33 42 11 00-0999** | | **10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0989)* | | |
| 33 42 11 00-1000 | LF | 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,041.74 | 74.29 |
| 33 42 11 00-1001 | LF | 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,119.69 | 81.26 |
| 33 42 11 00-1002 | LF | 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,194.17 | 87.06 |
| 33 42 11 00-1003 | LF | 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,268.99 | 92.86 |
| 33 42 11 00-1004 | LF | 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,342.61 | 98.67 |
| 33 42 11 00-1005 | LF | 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,423.98 | 104.47 |
| 33 42 11 00-1006 | LF | 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,506.34 | 116.08 |
| 33 42 11 00-1007 | LF | 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,601.23 | 127.68 |
| 33 42 11 00-1008 | LF | 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch | 1,689.97 | 139.29 |
| **33 42 11 00-1009** | | **Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0500)* | | |
| **33 42 11 00-1010** | | **2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1009)* | | |
| **33 42 11 00-1011** | | **16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1010)* | | |
| 33 42 11 00-1012 | LF | 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 46.70 | 11.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *9.23* | |
| 33 42 11 00-1013 | LF | 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 53.46 | 12.02 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *11.62* | |
| 33 42 11 00-1014 | LF | 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 60.47 | 13.11 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *14.09* | |
| 33 42 11 00-1015 | LF | 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 69.31 | 14.21 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *16.85* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1016 | LF | 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 76.94 | 15.30 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *18.97* | |
| 33 42 11 00-1017 | LF | 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 101.29 | 19.68 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *24.62* | |
| 33 42 11 00-1018 | LF | 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 131.03 | 25.54 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *31.05* | |
| 33 42 11 00-1019 | LF | 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 150.01 | 30.18 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *36.73* | |
| 33 42 11 00-1020 | LF | 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 168.55 | 34.82 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *41.16* | |

### 33 42 11 00-1021 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1010)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1022 | LF | 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 51.68 | 11.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *8.77* | |
| 33 42 11 00-1023 | LF | 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 59.62 | 12.02 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *11.00* | |
| 33 42 11 00-1024 | LF | 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 67.81 | 13.11 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *13.30* | |
| 33 42 11 00-1025 | LF | 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 77.82 | 14.21 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *15.82* | |
| 33 42 11 00-1026 | LF | 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 86.82 | 15.30 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *17.90* | |
| 33 42 11 00-1027 | LF | 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 113.37 | 19.68 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *23.00* | |
| 33 42 11 00-1028 | LF | 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 145.66 | 25.54 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *28.82* | |
| 33 42 11 00-1029 | LF | 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 166.84 | 30.18 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *33.94* | |
| 33 42 11 00-1030 | LF | 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 187.73 | 34.82 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *38.13* | |
| 33 42 11 00-1031 | LF | 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 225.32 | 39.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *46.88* | |

### 33 42 11 00-1032 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1010)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1033 | LF | 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 83.23 | 13.11 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *12.39* | |
| 33 42 11 00-1034 | LF | 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 95.82 | 14.21 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *14.67* | |
| 33 42 11 00-1035 | LF | 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 107.27 | 15.30 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *16.62* | |
| 33 42 11 00-1036 | LF | 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 138.90 | 19.68 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *21.19* | |
| 33 42 11 00-1037 | LF | 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 176.45 | 25.54 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *26.29* | |
| 33 42 11 00-1038 | LF | 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 202.52 | 30.18 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *30.84* | |
| 33 42 11 00-1039 | LF | 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 228.44 | 34.82 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *34.78* | |
| 33 42 11 00-1040 | LF | 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 271.81 | 39.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *42.00* | |
| 33 42 11 00-1041 | LF | 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 296.91 | 41.79 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *45.92* | |
| 33 42 11 00-1042 | LF | 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 362.67 | 51.07 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *56.47* | |

### 33 42 11 00-1043 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1010)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1044 | LF | 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 204.14 | 25.54 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *28.79* | |
| 33 42 11 00-1045 | LF | 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 234.91 | 30.18 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *33.76* | |
| 33 42 11 00-1046 | LF | 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 265.20 | 34.82 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *38.12* | |
| 33 42 11 00-1047 | LF | 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 313.04 | 39.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *45.42* | |
| 33 42 11 00-1048 | LF | 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 342.79 | 41.79 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *49.82* | |
| 33 42 11 00-1049 | LF | 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 413.06 | 51.07 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *60.11* | |
| 33 42 11 00-1050 | LF | 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 483.35 | 74.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *64.44* | |

### 33 42 11 00-1051 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1009)*

### 33 42 11 00-1052 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1051)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1053 | LF | 36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 152.80 | 25.54 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *34.52* | |
| 33 42 11 00-1054 | LF | 42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 174.93 | 30.18 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *40.54* | |
| 33 42 11 00-1055 | LF | 48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 196.56 | 34.82 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *45.46* | |
| 33 42 11 00-1056 | LF | 54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 235.15 | 39.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *55.53* | |
| 33 42 11 00-1057 | LF | 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 256.19 | 41.79 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *60.50* | |
| 33 42 11 00-1058 | LF | 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 322.05 | 51.07 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *77.71* | |
| 33 42 11 00-1059 | LF | 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 384.39 | 74.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *82.83* | |
| 33 42 11 00-1060 | LF | 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 413.84 | 81.26 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *87.97* | |
| 33 42 11 00-1061 | LF | 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 440.16 | 87.06 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *93.11* | |
| 33 42 11 00-1062 | LF | 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 466.49 | 92.86 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *98.27* | |
| 33 42 11 00-1063 | LF | 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 493.61 | 98.67 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *103.40* | |
| 33 42 11 00-1064 | LF | 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 524.06 | 104.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *108.58* | |

## 33 42 11 00-1065 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping

*(33 42 11 00-1051)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1066 | LF | 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 260.16 | 39.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *48.12* | |
| 33 42 11 00-1067 | LF | 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 283.84 | 41.79 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *52.53* | |
| 33 42 11 00-1068 | LF | 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 352.46 | 51.07 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *66.14* | |
| 33 42 11 00-1069 | LF | 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 417.53 | 74.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *70.69* | |
| 33 42 11 00-1070 | LF | 78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 449.66 | 81.26 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *75.23* | |
| 33 42 11 00-1071 | LF | 84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 478.80 | 87.06 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *79.83* | |
| 33 42 11 00-1072 | LF | 90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 507.76 | 92.86 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *84.37* | |
| 33 42 11 00-1073 | LF | 96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 537.57 | 98.67 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *88.92* | |
| 33 42 11 00-1074 | LF | 102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 570.70 | 104.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *93.50* | |
| 33 42 11 00-1075 | LF | 108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 606.46 | 116.08 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *98.07* | |
| 33 42 11 00-1076 | LF | 114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 641.48 | 127.68 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *102.57* | |

## 33 42 11 00-1077 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping

*(33 42 11 00-1051)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1078 | LF | 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 345.28 | 41.79 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *70.46* | |
| 33 42 11 00-1079 | LF | 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 420.49 | 51.07 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *86.21* | |
| 33 42 11 00-1080 | LF | 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 491.48 | 74.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *92.47* | |
| 33 42 11 00-1081 | LF | 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 529.63 | 81.26 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *98.76* | |
| 33 42 11 00-1082 | LF | 84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 564.70 | 87.06 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *105.07* | |
| 33 42 11 00-1083 | LF | 90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 599.67 | 92.86 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *111.35* | |
| 33 42 11 00-1084 | LF | 96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 635.45 | 98.67 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *117.62* | |
| 33 42 11 00-1085 | LF | 102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 674.55 | 104.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *123.93* | |
| 33 42 11 00-1086 | LF | 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 716.23 | 116.08 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *130.22* | |
| 33 42 11 00-1087 | LF | 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 757.27 | 127.68 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *136.45* | |
| 33 42 11 00-1088 | LF | 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 797.12 | 139.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *142.76* | |

## 33 42 11 00-1089 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping

*(33 42 11 00-1051)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1090 | LF | 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 560.45 | 74.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *113.50* | |
| 33 42 11 00-1091 | LF | 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 604.14 | 81.26 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *121.45* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1092 | LF | 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 644.90 | 87.06 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *129.46* | |
| 33 42 11 00-1093 | LF | 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 685.47 | 92.86 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *137.43* | |
| 33 42 11 00-1094 | LF | 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 726.98 | 98.67 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *145.42* | |
| 33 42 11 00-1095 | LF | 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 771.77 | 104.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *153.43* | |
| 33 42 11 00-1096 | LF | 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 819.05 | 116.08 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *161.40* | |
| 33 42 11 00-1097 | LF | 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 865.73 | 127.68 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *169.32* | |
| 33 42 11 00-1098 | LF | 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 911.26 | 139.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *177.34* | |
| 33 42 11 00-1099 | LF | 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 958.88 | 150.90 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *185.29* | |
| 33 42 11 00-1100 | LF | 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 1,009.50 | 162.51 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *193.29* | |
| 33 42 11 00-1101 | LF | 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 1,063.67 | 174.12 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *201.31* | |

### 33 42 11 00-1102 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping
*(33 42 11 00-1009)*

### 33 42 11 00-1103 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1102)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1104 | LF | 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 197.36 | 34.82 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *56.33* | |
| 33 42 11 00-1105 | LF | 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 236.60 | 39.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *69.01* | |
| 33 42 11 00-1106 | LF | 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 257.46 | 41.79 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *75.05* | |
| 33 42 11 00-1107 | LF | 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 319.23 | 51.07 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *94.48* | |
| 33 42 11 00-1108 | LF | 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 381.24 | 74.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *100.64* | |
| 33 42 11 00-1109 | LF | 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 410.31 | 81.26 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *106.80* | |
| 33 42 11 00-1110 | LF | 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 436.12 | 87.06 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *112.92* | |
| 33 42 11 00-1111 | LF | 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 461.83 | 92.86 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *119.00* | |
| 33 42 11 00-1112 | LF | 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 488.68 | 98.67 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *125.20* | |
| 33 42 11 00-1113 | LF | 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 519.03 | 104.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *131.54* | |

### 33 42 11 00-1114 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1102)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1115 | LF | 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 267.87 | 39.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *65.07* | |
| 33 42 11 00-1116 | LF | 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 292.30 | 41.79 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *71.05* | |
| 33 42 11 00-1117 | LF | 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 357.17 | 51.07 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *87.43* | |
| 33 42 11 00-1118 | LF | 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 422.28 | 74.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *93.35* | |
| 33 42 11 00-1119 | LF | 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 455.02 | 81.26 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *99.45* | |
| 33 42 11 00-1120 | LF | 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 484.31 | 87.06 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *105.46* | |
| 33 42 11 00-1121 | LF | 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 511.81 | 92.86 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *110.87* | |
| 33 42 11 00-1122 | LF | 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 543.63 | 98.67 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *117.45* | |
| 33 42 11 00-1123 | LF | 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 576.95 | 104.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *123.46* | |
| 33 42 11 00-1124 | LF | 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 612.76 | 116.08 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *129.41* | |
| 33 42 11 00-1125 | LF | 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 648.53 | 127.68 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *135.50* | |

### 33 42 11 00-1126 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1102)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1127 | LF | 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 357.41 | 41.79 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *78.39* | |
| 33 42 11 00-1128 | LF | 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 428.95 | 51.07 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *94.08* | |
| 33 42 11 00-1129 | LF | 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 500.88 | 74.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *101.00* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1130 | LF | 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 539.64 | 81.26 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *107.86* | |
| 33 42 11 00-1131 | LF | 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 575.09 | 87.06 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *114.68* | |
| 33 42 11 00-1132 | LF | 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 610.86 | 92.86 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *121.59* | |
| 33 42 11 00-1133 | LF | 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 647.25 | 98.67 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *128.43* | |
| 33 42 11 00-1134 | LF | 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 686.82 | 104.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *135.28* | |
| 33 42 11 00-1135 | LF | 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 729.25 | 116.08 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *142.17* | |
| 33 42 11 00-1136 | LF | 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 771.09 | 127.68 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *149.03* | |
| 33 42 11 00-1137 | LF | 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 811.46 | 139.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *155.89* | |
| 33 42 11 00-1138 | | 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1102)* | | |
| 33 42 11 00-1139 | LF | 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 576.15 | 74.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *122.53* | |
| 33 42 11 00-1140 | LF | 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 621.91 | 81.26 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *131.39* | |
| 33 42 11 00-1141 | LF | 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 663.89 | 87.06 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *140.07* | |
| 33 42 11 00-1142 | LF | 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 705.59 | 92.86 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *148.68* | |
| 33 42 11 00-1143 | LF | 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 748.37 | 98.67 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *157.35* | |
| 33 42 11 00-1144 | LF | 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 794.19 | 104.47 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *165.98* | |
| 33 42 11 00-1145 | LF | 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 842.84 | 116.08 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *174.66* | |
| 33 42 11 00-1146 | LF | 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 890.97 | 127.68 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *183.31* | |
| 33 42 11 00-1147 | LF | 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 937.50 | 139.29 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *191.93* | |
| 33 42 11 00-1148 | LF | 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 996.02 | 150.90 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *203.32* | |
| 33 42 11 00-1149 | LF | 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 1,050.30 | 162.51 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *212.69* | |
| 33 42 11 00-1150 | LF | 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 1,109.37 | 174.12 |
| | | *For 1/2 Bituminous Coated And 25% Paved, Add* | *222.43* | |
| 33 42 11 00-1151 | | Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1009)* | | |
| 33 42 11 00-1152 | | 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1151)* | | |
| 33 42 11 00-1153 | LF | 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 68.89 | 13.11 |
| 33 42 11 00-1154 | LF | 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 79.04 | 14.21 |
| 33 42 11 00-1155 | LF | 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 88.46 | 15.30 |
| 33 42 11 00-1156 | LF | 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 115.34 | 19.68 |
| 33 42 11 00-1157 | LF | 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 147.54 | 25.54 |
| 33 42 11 00-1158 | LF | 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 169.05 | 30.18 |
| 33 42 11 00-1159 | LF | 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 190.69 | 34.82 |
| 33 42 11 00-1160 | LF | 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 226.64 | 39.47 |
| 33 42 11 00-1161 | LF | 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 247.64 | 41.79 |
| 33 42 11 00-1162 | | 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1151)* | | |
| 33 42 11 00-1163 | LF | 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 76.13 | 13.11 |
| 33 42 11 00-1164 | LF | 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 87.50 | 14.21 |
| 33 42 11 00-1165 | LF | 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 98.05 | 15.30 |
| 33 42 11 00-1166 | LF | 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 127.33 | 19.68 |
| 33 42 11 00-1167 | LF | 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 161.97 | 25.54 |
| 33 42 11 00-1168 | LF | 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 185.93 | 30.18 |
| 33 42 11 00-1169 | LF | 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 209.96 | 34.82 |
| 33 42 11 00-1170 | LF | 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 248.31 | 39.47 |
| 33 42 11 00-1171 | LF | 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 271.80 | 41.79 |
| 33 42 11 00-1172 | LF | 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 330.70 | 51.07 |
| 33 42 11 00-1173 | LF | 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 394.83 | 74.29 |
| 33 42 11 00-1174 | LF | 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 426.25 | 81.26 |
| 33 42 11 00-1175 | | 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1151)* | | |
| 33 42 11 00-1176 | LF | 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 151.64 | 19.68 |
| 33 42 11 00-1177 | LF | 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 191.07 | 25.54 |
| 33 42 11 00-1178 | LF | 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 220.01 | 30.18 |
| 33 42 11 00-1179 | LF | 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 248.84 | 34.82 |
| 33 42 11 00-1180 | LF | 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 292.03 | 39.47 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1181 | LF | 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 320.46 | 41.79 |
| 33 42 11 00-1182 | LF | 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 384.10 | 51.07 |
| 33 42 11 00-1183 | LF | 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 453.03 | 74.29 |
| 33 42 11 00-1184 | LF | 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 489.29 | 81.26 |
| 33 42 11 00-1185 | LF | 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 522.24 | 87.06 |
| 33 42 11 00-1186 | LF | 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 555.24 | 92.86 |
| 33 42 11 00-1187 | LF | 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 588.95 | 98.67 |
| 33 42 11 00-1188 | LF | 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe | 623.59 | 104.47 |

## 33 42 11 00-1189 Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-0500)*

## 33 42 11 00-1190 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1189)*

## 33 42 11 00-1191 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1190)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1192 | LF | 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 55.15 | 12.02 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *15.02* | |
| 33 42 11 00-1193 | LF | 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 61.98 | 13.11 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *17.94* | |
| 33 42 11 00-1194 | LF | 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 71.38 | 14.21 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *21.58* | |
| 33 42 11 00-1195 | LF | 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 80.42 | 15.30 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *24.87* | |
| 33 42 11 00-1196 | LF | 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 104.44 | 19.68 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *31.59* | |
| 33 42 11 00-1197 | LF | 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 136.82 | 25.54 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *40.75* | |

## 33 42 11 00-1198 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1190)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1199 | LF | 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 61.31 | 12.02 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *15.56* | |
| 33 42 11 00-1200 | LF | 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 69.45 | 13.11 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *18.64* | |
| 33 42 11 00-1201 | LF | 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 79.79 | 14.21 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *22.18* | |
| 33 42 11 00-1202 | LF | 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 90.16 | 15.30 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *25.58* | |
| 33 42 11 00-1203 | LF | 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 116.57 | 19.68 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *32.39* | |
| 33 42 11 00-1204 | LF | 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 151.25 | 25.54 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *41.26* | |
| 33 42 11 00-1205 | LF | 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 174.74 | 30.18 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *49.15* | |

## 33 42 11 00-1206 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1190)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1207 | LF | 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 84.68 | 13.11 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *17.08* | |
| 33 42 11 00-1208 | LF | 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 97.85 | 14.21 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *20.30* | |
| 33 42 11 00-1209 | LF | 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 110.61 | 15.30 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *23.30* | |
| 33 42 11 00-1210 | LF | 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 142.09 | 19.68 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *29.40* | |
| 33 42 11 00-1211 | LF | 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 182.09 | 25.54 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *36.97* | |
| 33 42 11 00-1212 | LF | 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 210.70 | 30.18 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *43.82* | |
| 33 42 11 00-1213 | LF | 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 247.20 | 34.82 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *52.17* | |
| 33 42 11 00-1214 | LF | 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 275.48 | 39.47 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *57.51* | |

## 33 42 11 00-1215 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1190)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1216 | LF | 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 209.78 | 25.54 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *38.90* | |
| 33 42 11 00-1217 | LF | 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 243.00 | 30.18 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *45.98* | |
| 33 42 11 00-1218 | LF | 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 283.82 | 34.82 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *54.29* | |
| 33 42 11 00-1219 | LF | 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 316.90 | 39.47 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *60.11* | |
| 33 42 11 00-1220 | LF | 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 346.97 | 41.79 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *65.91* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1221 | | 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1189)* | | |
| 33 42 11 00-1222 | | 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1221)* | | |
| 33 42 11 00-1223 | LF | 60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 265.09 | 39.47 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *86.38* | |
| 33 42 11 00-1224 | LF | 66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 289.71 | 41.79 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *94.52* | |
| 33 42 11 00-1225 | LF | 73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 359.23 | 51.07 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *118.72* | |
| 33 42 11 00-1226 | LF | 81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 425.62 | 74.29 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *127.27* | |
| 33 42 11 00-1227 | LF | 87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 460.05 | 81.26 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *136.27* | |
| 33 42 11 00-1228 | LF | 95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 491.36 | 87.06 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *145.30* | |
| 33 42 11 00-1229 | LF | 103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 522.57 | 92.86 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *154.27* | |
| 33 42 11 00-1230 | LF | 112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 554.68 | 98.67 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *163.27* | |
| 33 42 11 00-1231 | | 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1221)* | | |
| 33 42 11 00-1232 | LF | 66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 351.20 | 41.79 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *107.42* | |
| 33 42 11 00-1233 | LF | 73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 427.40 | 51.07 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *131.28* | |
| 33 42 11 00-1234 | LF | 81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 499.85 | 74.29 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *141.20* | |
| 33 42 11 00-1235 | LF | 87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 540.20 | 81.26 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *151.45* | |
| 33 42 11 00-1236 | LF | 95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 577.58 | 87.06 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *161.79* | |
| 33 42 11 00-1237 | LF | 103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 614.86 | 92.86 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *172.08* | |
| 33 42 11 00-1238 | LF | 112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 652.89 | 98.67 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *182.33* | |
| 33 42 11 00-1239 | LF | 117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 694.34 | 104.47 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *192.68* | |
| 33 42 11 00-1240 | LF | 128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 738.33 | 116.08 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *202.98* | |
| 33 42 11 00-1241 | LF | 137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 784.44 | 127.68 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *214.31* | |
| 33 42 11 00-1242 | | 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1221)* | | |
| 33 42 11 00-1243 | LF | 81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 568.77 | 74.29 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *152.84* | |
| 33 42 11 00-1244 | LF | 87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 614.86 | 81.26 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *164.20* | |
| 33 42 11 00-1245 | LF | 95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 657.87 | 87.06 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *175.60* | |
| 33 42 11 00-1246 | LF | 103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 700.70 | 92.86 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *186.93* | |
| 33 42 11 00-1247 | LF | 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 748.23 | 98.67 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *199.66* | |
| 33 42 11 00-1248 | LF | 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 791.51 | 104.47 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *209.70* | |
| 33 42 11 00-1249 | LF | 128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 841.19 | 116.08 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *221.08* | |
| 33 42 11 00-1250 | LF | 137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 892.43 | 127.68 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *233.20* | |
| 33 42 11 00-1251 | LF | 142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 948.97 | 139.29 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *247.77* | |
| 33 42 11 00-1252 | | 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1189)* | | |
| 33 42 11 00-1253 | | 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1252)* | | |
| 33 42 11 00-1254 | LF | 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 506.81 | 74.29 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *138.96* | |
| 33 42 11 00-1255 | LF | 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 546.55 | 81.26 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *148.62* | |
| 33 42 11 00-1256 | LF | 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 582.89 | 87.06 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *158.19* | |
| 33 42 11 00-1257 | LF | 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 619.18 | 92.86 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *167.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1258 | LF | 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 656.46 | 98.67 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *177.35* | |
| 33 42 11 00-1259 | LF | 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 697.40 | 104.47 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *187.14* | |
| 33 42 11 00-1260 | LF | 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 740.87 | 116.08 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *196.87* | |
| 33 42 11 00-1261 | LF | 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 790.22 | 127.68 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *209.06* | |
| 33 42 11 00-1262 | | 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1252)* | | |
| 33 42 11 00-1263 | LF | 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 583.16 | 74.29 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *154.14* | |
| 33 42 11 00-1264 | LF | 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 629.01 | 81.26 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *165.14* | |
| 33 42 11 00-1265 | LF | 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 671.51 | 87.06 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *176.08* | |
| 33 42 11 00-1266 | LF | 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 714.19 | 92.86 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *187.07* | |
| 33 42 11 00-1267 | LF | 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 756.69 | 98.67 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *197.71* | |
| 33 42 11 00-1268 | LF | 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 804.63 | 104.47 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *209.14* | |
| 33 42 11 00-1269 | LF | 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 854.45 | 116.08 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *220.29* | |
| 33 42 11 00-1270 | LF | 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 910.06 | 127.68 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *233.66* | |
| 33 42 11 00-1271 | LF | 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch | 962.13 | 139.29 |
| | | *For 1/2 Bituminous Coated And 40% Paved, Add* | *246.29* | |
| 33 42 11 00-1272 | | Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-0500)* | | |
| 33 42 11 00-1273 | | 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1272)* | | |
| 33 42 11 00-1274 | | 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1273)* | | |
| 33 42 11 00-1275 | LF | 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 27.98 | 6.56 |
| | | *For Bituminous Coated Pipe, Add* | *2.86* | |
| 33 42 11 00-1276 | LF | 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 36.10 | 8.20 |
| | | *For Bituminous Coated Pipe, Add* | *3.88* | |
| 33 42 11 00-1277 | LF | 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 46.79 | 9.84 |
| | | *For Bituminous Coated Pipe, Add* | *5.11* | |
| 33 42 11 00-1278 | | 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1273)* | | |
| 33 42 11 00-1279 | LF | 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 31.26 | 6.56 |
| | | *For Bituminous Coated Pipe, Add* | *2.83* | |
| 33 42 11 00-1280 | LF | 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 40.74 | 8.20 |
| | | *For Bituminous Coated Pipe, Add* | *3.88* | |
| 33 42 11 00-1281 | LF | 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 52.97 | 9.84 |
| | | *For Bituminous Coated Pipe, Add* | *5.12* | |
| 33 42 11 00-1282 | | 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1272)* | | |
| 33 42 11 00-1283 | | 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1282)* | | |
| 33 42 11 00-1284 | LF | 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 54.23 | 11.47 |
| | | *For Bituminous Coated Pipe, Add* | *5.62* | |
| 33 42 11 00-1285 | LF | 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 62.81 | 12.02 |
| | | *For Bituminous Coated Pipe, Add* | *7.05* | |
| 33 42 11 00-1286 | LF | 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 71.92 | 13.11 |
| | | *For Bituminous Coated Pipe, Add* | *8.57* | |
| 33 42 11 00-1287 | LF | 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 82.91 | 14.21 |
| | | *For Bituminous Coated Pipe, Add* | *10.23* | |
| 33 42 11 00-1288 | LF | 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 92.68 | 15.30 |
| | | *For Bituminous Coated Pipe, Add* | *11.60* | |
| 33 42 11 00-1289 | | 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1282)* | | |
| 33 42 11 00-1290 | LF | 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 61.25 | 11.47 |
| | | *For Bituminous Coated Pipe, Add* | *5.50* | |
| 33 42 11 00-1291 | LF | 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 71.76 | 12.02 |
| | | *For Bituminous Coated Pipe, Add* | *6.92* | |
| 33 42 11 00-1292 | LF | 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 82.65 | 13.11 |
| | | *For Bituminous Coated Pipe, Add* | *8.39* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1293 | LF | 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 95.35 | 14.21 |
| | | *For Bituminous Coated Pipe, Add* | *9.96* | |
| 33 42 11 00-1294 | LF | 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 106.96 | 15.30 |
| | | *For Bituminous Coated Pipe, Add* | *11.32* | |
| 33 42 11 00-1295 | LF | 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 139.03 | 19.68 |
| | | *For Bituminous Coated Pipe, Add* | *14.50* | |
| 33 42 11 00-1296 | LF | 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 176.85 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *18.03* | |
| 33 42 11 00-1297 | | 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1282)* | | |
| 33 42 11 00-1298 | LF | 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 134.26 | 15.30 |
| | | *For Bituminous Coated Pipe, Add* | *10.74* | |
| 33 42 11 00-1299 | LF | 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 173.00 | 19.68 |
| | | *For Bituminous Coated Pipe, Add* | *13.66* | |
| 33 42 11 00-1300 | LF | 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 217.66 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *16.84* | |
| 33 42 11 00-1301 | LF | 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 251.37 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *19.80* | |
| 33 42 11 00-1302 | LF | 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 284.32 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *22.42* | |
| 33 42 11 00-1303 | LF | 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 334.68 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *26.59* | |
| 33 42 11 00-1304 | | 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1282)* | | |
| 33 42 11 00-1305 | LF | 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 261.15 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *16.56* | |
| 33 42 11 00-1306 | LF | 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 302.04 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *19.44* | |
| 33 42 11 00-1307 | LF | 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 342.39 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *22.06* | |
| 33 42 11 00-1308 | LF | 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 400.01 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *25.88* | |
| 33 42 11 00-1309 | LF | 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 439.84 | 41.79 |
| | | *For Bituminous Coated Pipe, Add* | *28.52* | |
| 33 42 11 00-1310 | | 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1272)* | | |
| 33 42 11 00-1311 | | 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1310)* | | |
| 33 42 11 00-1312 | LF | 30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 136.81 | 19.68 |
| 33 42 11 00-1313 | LF | 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 174.08 | 25.54 |
| 33 42 11 00-1314 | LF | 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 199.63 | 30.18 |
| 33 42 11 00-1315 | LF | 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 226.10 | 34.82 |
| 33 42 11 00-1316 | LF | 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 267.24 | 39.47 |
| 33 42 11 00-1317 | | 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1310)* | | |
| 33 42 11 00-1318 | LF | 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 154.70 | 19.68 |
| 33 42 11 00-1319 | LF | 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 199.61 | 25.54 |
| 33 42 11 00-1320 | LF | 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 229.26 | 30.18 |
| 33 42 11 00-1321 | LF | 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 258.44 | 34.82 |
| 33 42 11 00-1322 | LF | 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 305.13 | 39.47 |
| 33 42 11 00-1323 | LF | 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 333.64 | 41.79 |
| 33 42 11 00-1324 | LF | 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 406.00 | 51.07 |
| 33 42 11 00-1325 | LF | 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 475.62 | 74.29 |
| 33 42 11 00-1326 | LF | 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 512.36 | 81.26 |
| 33 42 11 00-1327 | | 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1310)* | | |
| 33 42 11 00-1328 | LF | 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 196.49 | 19.68 |
| 33 42 11 00-1329 | LF | 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 246.60 | 25.54 |
| 33 42 11 00-1330 | LF | 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 285.41 | 30.18 |
| 33 42 11 00-1331 | LF | 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 322.84 | 34.82 |
| 33 42 11 00-1332 | LF | 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 377.42 | 39.47 |
| 33 42 11 00-1333 | LF | 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 413.69 | 41.79 |
| 33 42 11 00-1334 | LF | 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 493.80 | 51.07 |
| 33 42 11 00-1335 | LF | 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 571.37 | 74.29 |
| 33 42 11 00-1336 | LF | 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 615.93 | 81.26 |
| 33 42 11 00-1337 | LF | 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 657.46 | 87.06 |
| 33 42 11 00-1338 | LF | 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 698.85 | 92.86 |
| 33 42 11 00-1339 | LF | 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 741.10 | 98.67 |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1340 | | 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1310)* | | |
| 33 42 11 00-1341 | LF | 60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 497.89 | 41.79 |
| 33 42 11 00-1342 | LF | 66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 582.86 | 51.07 |
| 33 42 11 00-1343 | LF | 72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 668.43 | 74.29 |
| 33 42 11 00-1344 | LF | 78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 720.99 | 81.26 |
| 33 42 11 00-1345 | LF | 84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 770.38 | 87.06 |
| 33 42 11 00-1346 | LF | 90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 819.76 | 92.86 |
| 33 42 11 00-1347 | LF | 96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 869.94 | 98.67 |
| 33 42 11 00-1348 | LF | 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 923.49 | 104.47 |
| 33 42 11 00-1349 | LF | 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe | 979.59 | 116.08 |
| 33 42 11 00-1350 | | Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1272)* | | |
| | | Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading. | | |
| 33 42 11 00-1351 | | 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1350)* | | |
| 33 42 11 00-1352 | LF | 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 96.01 | 13.11 |
| 33 42 11 00-1353 | LF | 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 103.25 | 14.21 |
| 33 42 11 00-1354 | LF | 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 124.71 | 15.30 |
| 33 42 11 00-1355 | LF | 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 144.01 | 17.49 |
| 33 42 11 00-1356 | LF | 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 161.32 | 19.68 |
| 33 42 11 00-1357 | LF | 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 180.24 | 21.86 |
| 33 42 11 00-1358 | | 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1350)* | | |
| 33 42 11 00-1359 | LF | 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 111.15 | 13.11 |
| 33 42 11 00-1360 | LF | 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 128.64 | 14.21 |
| 33 42 11 00-1361 | LF | 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 145.07 | 15.30 |
| 33 42 11 00-1362 | LF | 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 166.86 | 17.49 |
| 33 42 11 00-1363 | LF | 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 186.66 | 19.68 |
| 33 42 11 00-1364 | LF | 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 208.17 | 21.86 |
| 33 42 11 00-1365 | LF | 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 234.37 | 25.54 |
| 33 42 11 00-1366 | LF | 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 270.83 | 30.18 |
| 33 42 11 00-1367 | LF | 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 306.48 | 34.82 |
| 33 42 11 00-1368 | | 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1350)* | | |
| 33 42 11 00-1369 | LF | 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 236.21 | 19.68 |
| 33 42 11 00-1370 | LF | 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 262.56 | 21.86 |
| 33 42 11 00-1371 | LF | 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 293.79 | 25.54 |
| 33 42 11 00-1372 | LF | 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 340.22 | 30.18 |
| 33 42 11 00-1373 | LF | 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 385.79 | 34.82 |
| 33 42 11 00-1374 | LF | 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 534.94 | 39.47 |
| 33 42 11 00-1375 | LF | 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 588.80 | 41.79 |
| 33 42 11 00-1376 | | 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1350)* | | |
| 33 42 11 00-1377 | LF | 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 547.37 | 34.82 |
| 33 42 11 00-1378 | LF | 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 634.56 | 39.47 |
| 33 42 11 00-1379 | LF | 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 699.61 | 41.79 |
| 33 42 11 00-1380 | LF | 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 812.57 | 51.07 |
| 33 42 11 00-1381 | LF | 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 917.22 | 74.29 |
| 33 42 11 00-1382 | LF | 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 989.78 | 81.26 |
| 33 42 11 00-1383 | LF | 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe | 1,058.56 | 87.06 |
| 33 42 11 00-1384 | | Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-0500)* | | |
| 33 42 11 00-1385 | | 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1384)* | | |
| 33 42 11 00-1386 | | 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1385)* | | |
| 33 42 11 00-1387 | LF | 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 66.01 | 12.02 |
| | | *For Bituminous Coated Pipe, Add* | *7.07* | |
| 33 42 11 00-1388 | LF | 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 74.95 | 13.11 |
| | | *For Bituminous Coated Pipe, Add* | *8.44* | |
| 33 42 11 00-1389 | LF | 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 86.36 | 14.21 |
| | | *For Bituminous Coated Pipe, Add* | *10.05* | |
| 33 42 11 00-1390 | | 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1385)* | | |
| 33 42 11 00-1391 | LF | 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 74.98 | 12.02 |
| | | *For Bituminous Coated Pipe, Add* | *7.04* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1392 | LF | 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 83.56 | 13.11 |
| | | *For Bituminous Coated Pipe, Add* | *8.12* | |
| 33 42 11 00-1393 | LF | 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 98.80 | 14.21 |
| | | *For Bituminous Coated Pipe, Add* | *9.97* | |
| 33 42 11 00-1394 | LF | 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 111.64 | 15.30 |
| | | *For Bituminous Coated Pipe, Add* | *11.43* | |
| 33 42 11 00-1395 | LF | 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 143.68 | 19.68 |
| | | *For Bituminous Coated Pipe, Add* | *14.46* | |
| **33 42 11 00-1396** | | **12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1385)* | | |
| 33 42 11 00-1397 | LF | 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 138.95 | 15.30 |
| | | *For Bituminous Coated Pipe, Add* | *10.90* | |
| 33 42 11 00-1398 | LF | 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 177.74 | 19.68 |
| | | *For Bituminous Coated Pipe, Add* | *13.74* | |
| 33 42 11 00-1399 | LF | 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 225.68 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *17.15* | |
| 33 42 11 00-1400 | LF | 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 261.93 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *20.28* | |
| **33 42 11 00-1401** | | **10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1385)* | | |
| 33 42 11 00-1402 | LF | 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 269.11 | 25.54 |
| | | *For Bituminous Coated Pipe, Add* | *16.55* | |
| 33 42 11 00-1403 | LF | 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 312.68 | 30.18 |
| | | *For Bituminous Coated Pipe, Add* | *19.53* | |
| 33 42 11 00-1404 | LF | 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 363.76 | 34.82 |
| | | *For Bituminous Coated Pipe, Add* | *22.88* | |
| 33 42 11 00-1405 | LF | 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 407.03 | 39.47 |
| | | *For Bituminous Coated Pipe, Add* | *25.45* | |
| **33 42 11 00-1406** | | **3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1384)* | | |
| **33 42 11 00-1407** | | **14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1406)* | | |
| 33 42 11 00-1408 | LF | 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 312.15 | 39.47 |
| 33 42 11 00-1409 | LF | 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 341.81 | 41.79 |
| 33 42 11 00-1410 | LF | 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 416.09 | 51.07 |
| **33 42 11 00-1411** | | **12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1406)* | | |
| 33 42 11 00-1412 | LF | 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 384.44 | 39.47 |
| 33 42 11 00-1413 | LF | 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 421.86 | 41.79 |
| 33 42 11 00-1414 | LF | 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 503.53 | 51.07 |
| 33 42 11 00-1415 | LF | 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 581.84 | 74.29 |
| 33 42 11 00-1416 | LF | 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 627.15 | 81.26 |
| 33 42 11 00-1417 | LF | 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 669.41 | 87.06 |
| **33 42 11 00-1418** | | **10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1406)* | | |
| 33 42 11 00-1419 | LF | 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 505.93 | 41.79 |
| 33 42 11 00-1420 | LF | 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 592.23 | 51.07 |
| 33 42 11 00-1421 | LF | 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 678.52 | 74.29 |
| 33 42 11 00-1422 | LF | 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 731.82 | 81.26 |
| 33 42 11 00-1423 | LF | 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 781.96 | 87.06 |
| 33 42 11 00-1424 | LF | 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch | 832.05 | 92.86 |
| **33 42 11 00-1425** | | **Corrugated Steel Pipe Fittings** *(33 42 11 00-0500)* Note: Equivalent pipe-arch sizes are approximate. | | |
| **33 42 11 00-1426** | | **Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings** *(33 42 11 00-1425)* Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed. | | |
| 33 42 11 00-1427 | EA | Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) | 92.55 | |
| 33 42 11 00-1428 | EA | Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) | 116.06 | |
| 33 42 11 00-1429 | EA | Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) | 139.58 | |
| 33 42 11 00-1430 | EA | Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) | 164.57 | |
| 33 42 11 00-1431 | EA | Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) | 199.82 | |
| 33 42 11 00-1432 | EA | Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) | 235.06 | |
| 33 42 11 00-1433 | EA | Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) | 270.33 | |
| 33 42 11 00-1434 | EA | Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) | 305.57 | |
| 33 42 11 00-1435 | EA | Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) | 398.15 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1436 | EA | Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) | 474.53 | |
| 33 42 11 00-1437 | EA | Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) | 550.94 | |
| 33 42 11 00-1438 | EA | Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) | 712.55 | |
| 33 42 11 00-1439 | EA | Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe) | 803.65 | |
| 33 42 11 00-1440 | EA | Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe) | 897.68 | |
| 33 42 11 00-1441 | EA | Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe) | 994.65 | |
| 33 42 11 00-1442 | EA | Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe) | 1,212.09 | |
| 33 42 11 00-1443 | EA | Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe) | 1,322.26 | |
| 33 42 11 00-1444 | EA | Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe) | 1,435.39 | |
| 33 42 11 00-1445 | EA | Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe) | 1,761.55 | |
| 33 42 11 00-1446 | EA | Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe) | 1,890.86 | |
| 33 42 11 00-1447 | EA | Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe) | 2,021.60 | |
| 33 42 11 00-1448 | EA | Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe) | 2,152.35 | |
| 33 42 11 00-1449 | EA | Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe) | 2,281.64 | |
| 33 42 11 00-1450 | EA | Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe) | 2,412.41 | |
| 33 42 11 00-1451 | EA | Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) | 2,550.27 | |
| 33 42 11 00-1452 | EA | Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) | 2,696.01 | |
| 33 42 11 00-1453 | EA | Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) | 2,850.05 | |

## 33 42 11 00-1454 Fabricate Corrugated Steel Pipe Tees Or Laterals *(33 42 11 00-1425)*

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1455 | EA | Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe) | 120.48 | |
| 33 42 11 00-1456 | EA | Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe) | 154.27 | |
| 33 42 11 00-1457 | EA | Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe) | 188.03 | |
| 33 42 11 00-1458 | EA | Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe) | 221.85 | |
| 33 42 11 00-1459 | EA | Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) | 270.33 | |
| 33 42 11 00-1460 | EA | Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) | 320.26 | |
| 33 42 11 00-1461 | EA | Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) | 370.25 | |
| 33 42 11 00-1462 | EA | Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) | 420.16 | |
| 33 42 11 00-1463 | EA | Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe) | 550.94 | |
| 33 42 11 00-1464 | EA | Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe) | 656.73 | |
| 33 42 11 00-1465 | EA | Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe) | 763.97 | |
| 33 42 11 00-1466 | EA | Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe) | 991.69 | |
| 33 42 11 00-1467 | EA | Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe) | 1,116.57 | |
| 33 42 11 00-1468 | EA | Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe) | 1,245.85 | |
| 33 42 11 00-1469 | EA | Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe) | 1,378.09 | |
| 33 42 11 00-1470 | EA | Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe) | 1,680.73 | |
| 33 42 11 00-1471 | EA | Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) | 1,830.61 | |
| 33 42 11 00-1472 | EA | Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) | 1,983.39 | |
| 33 42 11 00-1473 | EA | Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe) | 2,440.28 | |
| 33 42 11 00-1474 | EA | Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe) | 2,615.13 | |
| 33 42 11 00-1475 | EA | Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe) | 2,789.97 | |
| 33 42 11 00-1476 | EA | Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe) | 2,966.25 | |
| 33 42 11 00-1477 | EA | Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe) | 3,142.57 | |
| 33 42 11 00-1478 | EA | Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe) | 3,317.38 | |
| 33 42 11 00-1479 | EA | Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe) | 3,501.94 | |
| 33 42 11 00-1480 | EA | Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe) | 3,696.75 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1481 | EA | Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe) | 3,902.38 | |

## 33 42 11 00-1482 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting *(33 42 11 00-1425)*

Note: Applied to pipe tasks.

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1483 | EA | Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting | 46.66 | |
| 33 42 11 00-1484 | EA | Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting | 58.69 | |
| 33 42 11 00-1485 | EA | Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting | 73.83 | |
| 33 42 11 00-1486 | EA | Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting | 90.40 | |
| 33 42 11 00-1487 | EA | Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 114.40 | |
| 33 42 11 00-1488 | EA | Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 140.08 | |
| 33 42 11 00-1489 | EA | Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 164.08 | |
| 33 42 11 00-1490 | EA | Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 190.63 | |
| 33 42 11 00-1491 | EA | Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 234.14 | |
| 33 42 11 00-1492 | EA | Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 279.16 | |
| 33 42 11 00-1493 | EA | Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 333.09 | |
| 33 42 11 00-1494 | EA | Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 409.74 | |
| 33 42 11 00-1495 | EA | Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 463.78 | |
| 33 42 11 00-1496 | EA | Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 522.29 | |
| 33 42 11 00-1497 | EA | Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 633.38 | |
| 33 42 11 00-1498 | EA | Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 702.40 | |
| 33 42 11 00-1499 | EA | Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 857.00 | |
| 33 42 11 00-1500 | EA | Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 933.57 | |
| 33 42 11 00-1501 | EA | Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 1,014.65 | |
| 33 42 11 00-1502 | EA | Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 1,094.13 | |
| 33 42 11 00-1503 | EA | Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 1,175.19 | |
| 33 42 11 00-1504 | EA | Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 1,257.72 | |
| 33 42 11 00-1505 | EA | Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 1,338.80 | |
| 33 42 11 00-1506 | EA | Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting | 1,419.83 | |
| 33 42 11 00-1507 | EA | Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting | 1,505.76 | |
| 33 42 11 00-1508 | EA | Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting | 1,596.88 | |
| 33 42 11 00-1509 | EA | Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting | 1,693.53 | |

## 33 42 11 00-1510 Saddles, Corrugated Steel Pipe Fitting *(33 42 11 00-1425)*

Note: For Field Tap

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1511 | EA | 6" Saddle, Corrugated Steel Pipe Fitting | 271.64 | |
| 33 42 11 00-1512 | EA | 8" Saddle, Corrugated Steel Pipe Fitting | 306.64 | |
| 33 42 11 00-1513 | EA | 10" Saddle, Corrugated Steel Pipe Fitting | 352.92 | |
| 33 42 11 00-1514 | EA | 12" Saddle, Corrugated Steel Pipe Fitting | 431.82 | |
| 33 42 11 00-1515 | EA | 15" Saddle, Corrugated Steel Pipe Fitting | 532.42 | |
| 33 42 11 00-1516 | EA | 18" Saddle, Corrugated Steel Pipe Fitting | 635.16 | |
| 33 42 11 00-1517 | EA | 21" Saddle, Corrugated Steel Pipe Fitting | 800.43 | |
| 33 42 11 00-1518 | EA | 24" Saddle, Corrugated Steel Pipe Fitting | 951.15 | |
| 33 42 11 00-1519 | EA | 30" Saddle, Corrugated Steel Pipe Fitting | 1,195.88 | |
| 33 42 11 00-1520 | EA | 36" Saddle, Corrugated Steel Pipe Fitting | 1,541.73 | |
| 33 42 11 00-1521 | EA | 42" Saddle, Corrugated Steel Pipe Fitting | 1,820.20 | |
| 33 42 11 00-1522 | EA | 48" Saddle, Corrugated Steel Pipe Fitting | 2,140.79 | |
| 33 42 11 00-1523 | EA | 54" Saddle, Corrugated Steel Pipe Fitting | 2,547.21 | |
| 33 42 11 00-1524 | EA | 60" Saddle, Corrugated Steel Pipe Fitting | 3,018.68 | |
| 33 42 11 00-1525 | EA | 66" Saddle, Corrugated Steel Pipe Fitting | 3,439.03 | |
| 33 42 11 00-1526 | EA | 72" Saddle, Corrugated Steel Pipe Fitting | 3,836.08 | |
| 33 42 11 00-1527 | EA | 78" Saddle, Corrugated Steel Pipe Fitting | 4,503.43 | |
| 33 42 11 00-1528 | EA | 84" Saddle, Corrugated Steel Pipe Fitting | 4,974.16 | |
| 33 42 11 00-1529 | EA | 90" Saddle, Corrugated Steel Pipe Fitting | 5,887.12 | |
| 33 42 11 00-1530 | EA | 96" Saddle, Corrugated Steel Pipe Fitting | 6,507.09 | |
| 33 42 11 00-1531 | EA | 102" Saddle, Corrugated Steel Pipe Fitting | 7,382.46 | |
| 33 42 11 00-1532 | EA | 108" Saddle, Corrugated Steel Pipe Fitting | 8,377.31 | |
| 33 42 11 00-1533 | EA | 114" Saddle, Corrugated Steel Pipe Fitting | 9,504.91 | |
| 33 42 11 00-1534 | EA | 120" Saddle, Corrugated Steel Pipe Fitting | 10,782.58 | |

## 33 42 11 00-1535 Coupling Bands, Corrugated Metal Pipe Fitting *(33 42 11 00-1425)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1536 | EA | 6" Coupling Band, Corrugated Metal Pipe Fitting | 16.36 | |
| | | *For Bituminous Coated, Add* | | *4.74* |
| 33 42 11 00-1537 | EA | 8" Coupling Band, Corrugated Metal Pipe Fitting | 21.72 | |
| | | *For Bituminous Coated, Add* | | *6.30* |
| 33 42 11 00-1538 | EA | 10" Coupling Band, Corrugated Metal Pipe Fitting | 27.36 | |
| | | *For Bituminous Coated, Add* | | *7.93* |
| 33 42 11 00-1539 | EA | 12" Coupling Band, Corrugated Metal Pipe Fitting | 45.41 | |
| | | *For Bituminous Coated, Add* | | *13.17* |
| 33 42 11 00-1540 | EA | 15" Coupling Band, Corrugated Metal Pipe Fitting | 57.26 | |
| | | *For Bituminous Coated, Add* | | *16.61* |
| 33 42 11 00-1541 | EA | 18" Coupling Band, Corrugated Metal Pipe Fitting | 84.01 | |
| | | *For Bituminous Coated, Add* | | *24.36* |
| 33 42 11 00-1542 | EA | 21" Coupling Band, Corrugated Metal Pipe Fitting | 99.71 | |
| | | *For Bituminous Coated, Add* | | *28.92* |
| 33 42 11 00-1543 | EA | 24" Coupling Band, Corrugated Metal Pipe Fitting | 113.06 | |
| | | *For Bituminous Coated, Add* | | *32.79* |
| 33 42 11 00-1544 | EA | 30" Coupling Band, Corrugated Metal Pipe Fitting | 195.66 | |
| | | *For Bituminous Coated, Add* | | *56.74* |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1545 | EA | 36" Coupling Band, Corrugated Metal Pipe Fitting | 313.05 | |
| | | *For Bituminous Coated, Add* | *75.13* | |
| 33 42 11 00-1546 | EA | 42" Coupling Band, Corrugated Metal Pipe Fitting | 367.82 | |
| | | *For Bituminous Coated, Add* | *88.28* | |
| 33 42 11 00-1547 | EA | 48" Coupling Band, Corrugated Metal Pipe Fitting | 412.15 | |
| | | *For Bituminous Coated, Add* | *98.92* | |
| 33 42 11 00-1548 | EA | 54" Coupling Band, Corrugated Metal Pipe Fitting | 584.50 | |
| | | *For Bituminous Coated, Add* | *140.28* | |
| 33 42 11 00-1549 | EA | 60" Coupling Band, Corrugated Metal Pipe Fitting | 836.01 | |
| | | *For Bituminous Coated, Add* | *150.48* | |
| 33 42 11 00-1550 | EA | 66" Coupling Band, Corrugated Metal Pipe Fitting | 1,027.45 | |
| | | *For Bituminous Coated, Add* | *184.94* | |
| 33 42 11 00-1551 | EA | 72" Coupling Band, Corrugated Metal Pipe Fitting | 1,319.81 | |
| | | *For Bituminous Coated, Add* | *184.77* | |
| 33 42 11 00-1552 | EA | 78" Coupling Band, Corrugated Metal Pipe Fitting | 1,411.63 | |
| | | *For Bituminous Coated, Add* | *197.63* | |
| 33 42 11 00-1553 | EA | 84" Coupling Band, Corrugated Metal Pipe Fitting | 1,503.96 | |
| | | *For Bituminous Coated, Add* | *210.55* | |
| 33 42 11 00-1554 | EA | 90" Coupling Band, Corrugated Metal Pipe Fitting | 1,595.82 | |
| | | *For Bituminous Coated, Add* | *223.41* | |
| 33 42 11 00-1555 | EA | 96" Coupling Band, Corrugated Metal Pipe Fitting | 1,687.92 | |
| | | *For Bituminous Coated, Add* | *236.31* | |
| 33 42 11 00-1556 | EA | 102" Coupling Band, Corrugated Metal Pipe Fitting | 1,780.25 | |
| | | *For Bituminous Coated, Add* | *249.24* | |
| 33 42 11 00-1557 | EA | 108" Coupling Band, Corrugated Metal Pipe Fitting | 1,872.16 | |
| | | *For Bituminous Coated, Add* | *262.10* | |
| 33 42 11 00-1558 | EA | 114" Coupling Band, Corrugated Metal Pipe Fitting | 2,217.37 | |
| | | *For Bituminous Coated, Add* | *266.08* | |
| 33 42 11 00-1559 | EA | 120" Coupling Band, Corrugated Metal Pipe Fitting | 2,055.83 | |
| | | *For Bituminous Coated, Add* | *246.70* | |
| 33 42 11 00-1560 | EA | 126" Coupling Band, Corrugated Metal Pipe Fitting | 2,147.46 | |
| | | *For Bituminous Coated, Add* | *257.70* | |
| 33 42 11 00-1561 | EA | 132" Coupling Band, Corrugated Metal Pipe Fitting | 2,239.75 | |
| | | *For Bituminous Coated, Add* | *268.77* | |
| 33 42 11 00-1562 | EA | 138" Coupling Band, Corrugated Metal Pipe Fitting | 2,332.12 | |
| | | *For Bituminous Coated, Add* | *279.85* | |

## 33 42 11 00-1563 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1425)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1564 | EA | 12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 438.75 | 131.17 |
| 33 42 11 00-1565 | EA | 15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 534.47 | 163.97 |
| 33 42 11 00-1566 | EA | 18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 628.70 | 218.62 |
| 33 42 11 00-1567 | EA | 24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 887.37 | 306.07 |
| 33 42 11 00-1568 | EA | 30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 1,105.37 | 349.80 |
| 33 42 11 00-1569 | EA | 36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 1,525.05 | 394.67 |
| 33 42 11 00-1570 | EA | 42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 1,804.15 | 464.31 |
| 33 42 11 00-1571 | EA | 48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 2,065.25 | 464.31 |
| 33 42 11 00-1572 | EA | 54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 2,513.51 | 650.03 |
| 33 42 11 00-1573 | EA | 60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 2,845.65 | 650.03 |
| 33 42 11 00-1574 | EA | 66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 3,444.86 | 812.54 |
| 33 42 11 00-1575 | EA | 72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 3,672.62 | 864.77 |
| 33 42 11 00-1576 | EA | 78" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 4,460.20 | 1,083.35 |
| 33 42 11 00-1577 | EA | 84" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting | 4,956.71 | 1,160.77 |

## 33 42 11 00-1578 Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1425)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1579 | EA | 12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 636.88 | 174.90 |
| 33 42 11 00-1580 | EA | 15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 735.26 | 218.62 |
| 33 42 11 00-1581 | EA | 18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 858.48 | 284.21 |
| 33 42 11 00-1582 | EA | 24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 1,226.85 | 393.53 |
| 33 42 11 00-1583 | EA | 30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 1,615.54 | 459.12 |
| 33 42 11 00-1584 | EA | 36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 2,214.34 | 533.96 |
| 33 42 11 00-1585 | EA | 42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 2,623.78 | 626.82 |
| 33 42 11 00-1586 | EA | 48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 3,057.36 | 626.82 |
| 33 42 11 00-1587 | EA | 54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 3,667.56 | 858.97 |
| 33 42 11 00-1588 | EA | 60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 4,123.10 | 858.97 |
| 33 42 11 00-1589 | EA | 66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 4,884.00 | 1,091.12 |
| 33 42 11 00-1590 | EA | 72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 5,149.73 | 1,160.77 |
| 33 42 11 00-1591 | EA | 78" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 6,479.24 | 1,445.17 |
| 33 42 11 00-1592 | EA | 84" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting | 7,502.04 | 1,555.44 |

## 33 42 11 00-1593 Galvanized Culvert-End Bar Grate System *(33 42 11 00-0500)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1594 | SF | Galvanized Culvert-End Bar Grate System | 639.61 | 2.92 |
| 33 42 11 00-1595 | SF | Heavy-Duty Galvanized Culvert-End Bar Grate System | 37.96 | 2.92 |

## 33 42 11 00-1596 Galvanized Tapered Adapter Sleeves *(33 42 11 00-0500)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1597 | EA | 12" Galvanized Tapered Adapter Sleeves | 498.86 | 76.52 |
| 33 42 11 00-1598 | EA | 15" Galvanized Tapered Adapter Sleeves | 616.19 | 81.98 |
| 33 42 11 00-1599 | EA | 18" Galvanized Tapered Adapter Sleeves | 693.63 | 87.45 |
| 33 42 11 00-1600 | EA | 21" Galvanized Tapered Adapter Sleeves | 783.78 | 95.65 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 11 00-1601 | EA | 24" Galvanized Tapered Adapter Sleeves | 872.73 | 103.84 |
| 33 42 11 00-1602 | EA | 30" Galvanized Tapered Adapter Sleeves | 1,059.67 | 117.51 |
| 33 42 11 00-1603 | EA | 36" Galvanized Tapered Adapter Sleeves | 1,278.67 | 133.91 |

### 33 42 11 00-1604 Concrete Pipe Collar *(33 42 11)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1605 | EA | 8" Diameter Pipe, Concrete Pipe Collar | 652.64 | |
| 33 42 11 00-1606 | EA | 10" Diameter Pipe, Concrete Pipe Collar | 731.75 | |
| 33 42 11 00-1607 | EA | 12" Diameter Pipe, Concrete Pipe Collar | 816.52 | |
| 33 42 11 00-1608 | EA | 15" Diameter Pipe, Concrete Pipe Collar | 917.75 | |
| 33 42 11 00-1609 | EA | 18" Diameter Pipe, Concrete Pipe Collar | 1,025.86 | |
| 33 42 11 00-1610 | EA | 21" Diameter Pipe, Concrete Pipe Collar | 1,141.34 | |
| 33 42 11 00-1611 | EA | 24" Diameter Pipe, Concrete Pipe Collar | 1,263.49 | |
| 33 42 11 00-1612 | EA | 27" Diameter Pipe, Concrete Pipe Collar | 1,389.10 | |
| 33 42 11 00-1613 | EA | 30" Diameter Pipe, Concrete Pipe Collar | 1,514.71 | |
| 33 42 11 00-1614 | EA | 36" Diameter Pipe, Concrete Pipe Collar | 1,766.09 | |
| 33 42 11 00-1615 | EA | 42" Diameter Pipe, Concrete Pipe Collar | 2,018.33 | |
| 33 42 11 00-1616 | EA | 48" Diameter Pipe, Concrete Pipe Collar | 2,271.83 | |
| 33 42 11 00-1617 | EA | 54" Diameter Pipe, Concrete Pipe Collar | 2,523.22 | |
| 33 42 11 00-1618 | EA | 60" Diameter Pipe, Concrete Pipe Collar | 2,775.46 | |
| 33 42 11 00-1619 | EA | 66" Diameter Pipe, Concrete Pipe Collar | 3,056.56 | |
| 33 42 11 00-1620 | EA | 72" Diameter Pipe, Concrete Pipe Collar | 3,337.65 | |
| 33 42 11 00-1621 | EA | 78" Diameter Pipe, Concrete Pipe Collar | 3,618.75 | |
| 33 42 11 00-1622 | EA | 84" Diameter Pipe, Concrete Pipe Collar | 3,899.85 | |
| 33 42 11 00-1623 | EA | 90" Diameter Pipe, Concrete Pipe Collar | 4,180.95 | |
| 33 42 11 00-1624 | EA | 96" Diameter Pipe, Concrete Pipe Collar | 4,462.05 | |
| 33 42 11 00-1625 | EA | 102" Diameter Pipe, Concrete Pipe Collar | 4,743.15 | |
| 33 42 11 00-1626 | EA | 108" Diameter Pipe, Concrete Pipe Collar | 5,024.25 | |
| 33 42 11 00-1627 | EA | 114" Diameter Pipe, Concrete Pipe Collar | 5,305.35 | |
| 33 42 11 00-1628 | EA | 120" Diameter Pipe, Concrete Pipe Collar | 5,586.45 | |

### 33 42 11 00-1629 Concrete Drainage Pipe Lug *(33 42 11)*

| | | | | |
|---|---|---|---|---|
| 33 42 11 00-1630 | EA | 12" Diameter Pipe, Concrete Pipe Lug | 388.59 | |
| 33 42 11 00-1631 | EA | 15" Diameter Pipe, Concrete Pipe Lug | 453.25 | |
| 33 42 11 00-1632 | EA | 18" Diameter Pipe, Concrete Pipe Lug | 517.54 | |
| 33 42 11 00-1633 | EA | 21" Diameter Pipe, Concrete Pipe Lug | 582.20 | |
| 33 42 11 00-1634 | EA | 24" Diameter Pipe, Concrete Pipe Lug | 646.49 | |
| 33 42 11 00-1635 | EA | 27" Diameter Pipe, Concrete Pipe Lug | 711.07 | |
| 33 42 11 00-1636 | EA | 30" Diameter Pipe, Concrete Pipe Lug | 775.64 | |
| 33 42 11 00-1637 | EA | 36" Diameter Pipe, Concrete Pipe Lug | 904.59 | |
| 33 42 11 00-1638 | EA | 42" Diameter Pipe, Concrete Pipe Lug | 1,032.53 | |
| 33 42 11 00-1639 | EA | 48" Diameter Pipe, Concrete Pipe Lug | 1,161.49 | |
| 33 42 11 00-1640 | EA | 54" Diameter Pipe, Concrete Pipe Lug | 1,290.45 | |
| 33 42 11 00-1641 | EA | 60" Diameter Pipe, Concrete Pipe Lug | 1,419.40 | |
| 33 42 11 00-1642 | EA | 66" Diameter Pipe, Concrete Pipe Lug | 1,548.36 | |

## 33 42 13 Stormwater Culverts *(33 42)*

### 33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

#### 33 42 13 13-0001 Precast Reinforced Concrete Box Culvert *(33 42 13 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 33 42 13 13-0002 | LF | 3' x 3' Precast Reinforced Concrete Box Culvert | 444.08 | 58.04 |
| | | *For Each LF Of Cut-Off Section, Add* | *17.76* | |
| 33 42 13 13-0003 | LF | 4' x 2' Precast Reinforced Concrete Box Culvert | 498.85 | 58.04 |
| | | *For Each LF Of Cut-Off Section, Add* | *19.95* | |
| 33 42 13 13-0004 | LF | 4' x 3' Precast Reinforced Concrete Box Culvert | 587.32 | 58.04 |
| | | *For Each LF Of Cut-Off Section, Add* | *23.49* | |
| 33 42 13 13-0005 | LF | 5' x 3' Precast Reinforced Concrete Box Culvert | 705.72 | 72.55 |
| | | *For Each LF Of Cut-Off Section, Add* | *28.23* | |
| 33 42 13 13-0006 | LF | 5' x 4' Precast Reinforced Concrete Box Culvert | 722.57 | 72.55 |
| | | *For Each LF Of Cut-Off Section, Add* | *28.90* | |
| 33 42 13 13-0007 | LF | 5' x 5' Precast Reinforced Concrete Box Culvert | 730.99 | 72.55 |
| | | *For Each LF Of Cut-Off Section, Add* | *29.24* | |
| 33 42 13 13-0008 | LF | 6' x 3' Precast Reinforced Concrete Box Culvert | 753.84 | 75.45 |
| | | *For Each LF Of Cut-Off Section, Add* | *30.15* | |
| 33 42 13 13-0009 | LF | 6' x 4' Precast Reinforced Concrete Box Culvert | 758.05 | 75.45 |
| | | *For Each LF Of Cut-Off Section, Add* | *30.32* | |
| 33 42 13 13-0010 | LF | 6' x 6' Precast Reinforced Concrete Box Culvert | 833.88 | 75.45 |
| | | *For Each LF Of Cut-Off Section, Add* | *33.36* | |
| 33 42 13 13-0011 | LF | 7' x 4' Precast Reinforced Concrete Box Culvert | 857.82 | 87.06 |
| | | *For Each LF Of Cut-Off Section, Add* | *34.31* | |
| 33 42 13 13-0012 | LF | 7' x 6' Precast Reinforced Concrete Box Culvert | 922.44 | 118.40 |
| | | *For Each LF Of Cut-Off Section, Add* | *36.90* | |
| 33 42 13 13-0013 | LF | 8' x 2' Precast Reinforced Concrete Box Culvert | 838.10 | 75.45 |
| | | *For Each LF Of Cut-Off Section, Add* | *33.52* | |
| 33 42 13 13-0014 | LF | 8' x 3' Precast Reinforced Concrete Box Culvert | 862.04 | 87.06 |
| | | *For Each LF Of Cut-Off Section, Add* | *34.48* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 13 13-0015 | LF | 8' x 4' Precast Reinforced Concrete Box Culvert | 874.67 | 87.06 |
| | | *For Each LF Of Cut-Off Section, Add* | *34.99* | |
| 33 42 13 13-0016 | LF | 8' x 5' Precast Reinforced Concrete Box Culvert | 1,057.52 | 116.08 |
| | | *For Each LF Of Cut-Off Section, Add* | *42.30* | |
| 33 42 13 13-0017 | LF | 8' x 6' Precast Reinforced Concrete Box Culvert | 1,060.90 | 116.08 |
| | | *For Each LF Of Cut-Off Section, Add* | *42.44* | |
| 33 42 13 13-0018 | LF | 8' x 8' Precast Reinforced Concrete Box Culvert | 1,177.20 | 145.09 |
| | | *For Each LF Of Cut-Off Section, Add* | *47.09* | |
| 33 42 13 13-0019 | LF | 9' x 4' Precast Reinforced Concrete Box Culvert | 1,166.22 | 116.08 |
| | | *For Each LF Of Cut-Off Section, Add* | *46.65* | |
| 33 42 13 13-0020 | LF | 9' x 6' Precast Reinforced Concrete Box Culvert | 1,238.71 | 145.09 |
| | | *For Each LF Of Cut-Off Section, Add* | *49.55* | |
| 33 42 13 13-0021 | LF | 10' x 3' Precast Reinforced Concrete Box Culvert | 1,242.92 | 145.09 |
| | | *For Each LF Of Cut-Off Section, Add* | *49.72* | |
| 33 42 13 13-0022 | LF | 10' x 4' Precast Reinforced Concrete Box Culvert | 1,504.13 | 145.09 |
| | | *For Each LF Of Cut-Off Section, Add* | *60.17* | |
| 33 42 13 13-0023 | LF | 10' x 5' Precast Reinforced Concrete Box Culvert | 1,580.81 | 174.12 |
| | | *For Each LF Of Cut-Off Section, Add* | *63.23* | |
| 33 42 13 13-0024 | LF | 10' x 6' Precast Reinforced Concrete Box Culvert | 1,597.66 | 174.12 |
| | | *For Each LF Of Cut-Off Section, Add* | *63.91* | |
| 33 42 13 13-0025 | LF | 10' x 7' Precast Reinforced Concrete Box Culvert | 1,601.88 | 174.12 |
| | | *For Each LF Of Cut-Off Section, Add* | *64.08* | |
| 33 42 13 13-0026 | LF | 10' x 8' Precast Reinforced Concrete Box Culvert | 1,607.77 | 174.12 |
| | | *For Each LF Of Cut-Off Section, Add* | *64.31* | |
| 33 42 13 13-0027 | LF | 12' x 3' Precast Reinforced Concrete Box Culvert | 1,674.36 | 203.14 |
| | | *For Each LF Of Cut-Off Section, Add* | *66.97* | |
| 33 42 13 13-0028 | LF | 12' x 4' Precast Reinforced Concrete Box Culvert | 1,674.36 | 203.14 |
| | | *For Each LF Of Cut-Off Section, Add* | *66.97* | |
| 33 42 13 13-0029 | LF | 12' x 6' Precast Reinforced Concrete Box Culvert | 1,674.36 | 203.14 |
| | | *For Each LF Of Cut-Off Section, Add* | *66.97* | |
| 33 42 13 13-0030 | LF | 12' x 8' Precast Reinforced Concrete Box Culvert | 1,674.36 | 203.14 |
| | | *For Each LF Of Cut-Off Section, Add* | *66.97* | |
| 33 42 13 13-0031 | LF | 16' x 10' Precast Reinforced Concrete Box Culvert | 2,425.13 | 232.15 |
| | | *For Each LF Of Cut-Off Section, Add* | *97.01* | |
| 33 42 13 13-0032 | LF | 24' x 10' Precast Reinforced Concrete Box Culvert | 3,351.99 | 232.15 |
| | | *For Each LF Of Cut-Off Section, Add* | *134.08* | |

## 33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways *(33 42 13 13)*

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0968 for crane lifting equipment.

| | | | | |
|---|---|---|---|---|
| 33 42 13 13-0034 | LF | 3' x 3' Precast Reinforced Concrete Box Culvert For Roadways | 1,089.09 | 58.04 |
| | | *For Each LF Of Cut-Off Section, Add* | *43.56* | |
| 33 42 13 13-0035 | LF | 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways | 1,170.02 | 58.04 |
| | | *For Each LF Of Cut-Off Section, Add* | *46.80* | |
| 33 42 13 13-0036 | LF | 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways | 1,313.26 | 58.04 |
| | | *For Each LF Of Cut-Off Section, Add* | *52.53* | |
| 33 42 13 13-0037 | LF | 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways | 1,486.38 | 72.55 |
| | | *For Each LF Of Cut-Off Section, Add* | *59.46* | |
| 33 42 13 13-0038 | LF | 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways | 1,629.61 | 72.55 |
| | | *For Each LF Of Cut-Off Section, Add* | *65.18* | |
| 33 42 13 13-0039 | LF | 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways | 1,772.84 | 72.55 |
| | | *For Each LF Of Cut-Off Section, Add* | *70.91* | |
| 33 42 13 13-0040 | LF | 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways | 1,635.60 | 75.45 |
| | | *For Each LF Of Cut-Off Section, Add* | *65.42* | |
| 33 42 13 13-0041 | LF | 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways | 1,778.83 | 75.45 |
| | | *For Each LF Of Cut-Off Section, Add* | *71.15* | |
| 33 42 13 13-0042 | LF | 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways | 2,065.30 | 75.45 |
| | | *For Each LF Of Cut-Off Section, Add* | *82.61* | |
| 33 42 13 13-0043 | LF | 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways | 1,946.01 | 87.06 |
| | | *For Each LF Of Cut-Off Section, Add* | *77.84* | |
| 33 42 13 13-0044 | LF | 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways | 2,297.06 | 118.40 |
| | | *For Each LF Of Cut-Off Section, Add* | *91.88* | |
| 33 42 13 13-0045 | LF | 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways | 1,778.83 | 75.45 |
| | | *For Each LF Of Cut-Off Section, Add* | *71.15* | |
| 33 42 13 13-0046 | LF | 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways | 1,946.01 | 87.06 |
| | | *For Each LF Of Cut-Off Section, Add* | *77.84* | |
| 33 42 13 13-0047 | LF | 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways | 2,089.24 | 87.06 |
| | | *For Each LF Of Cut-Off Section, Add* | *83.57* | |
| 33 42 13 13-0048 | LF | 8' x 5' Precast Reinforced Concrete Box Culvert For Roadways | 2,292.27 | 116.08 |
| | | *For Each LF Of Cut-Off Section, Add* | *91.69* | |
| 33 42 13 13-0049 | LF | 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways | 2,435.50 | 116.08 |
| | | *For Each LF Of Cut-Off Section, Add* | *97.42* | |
| 33 42 13 13-0050 | LF | 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways | 2,781.82 | 145.09 |
| | | *For Each LF Of Cut-Off Section, Add* | *111.27* | |
| 33 42 13 13-0051 | LF | 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways | 2,458.95 | 116.08 |
| | | *For Each LF Of Cut-Off Section, Add* | *98.36* | |
| 33 42 13 13-0052 | LF | 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways | 2,824.93 | 145.09 |
| | | *For Each LF Of Cut-Off Section, Add* | *113.00* | |
| 33 42 13 13-0053 | LF | 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways | 2,793.76 | 145.09 |
| | | *For Each LF Of Cut-Off Section, Add* | *111.75* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 13 13-0054 | LF | 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways | 2,963.84 | 145.09 |
| | | *For Each LF Of Cut-Off Section, Add* | *118.55* | |
| 33 42 13 13-0055 | LF | 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways | 3,193.74 | 174.12 |
| | | *For Each LF Of Cut-Off Section, Add* | *127.75* | |
| 33 42 13 13-0056 | LF | 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways | 3,363.82 | 174.12 |
| | | *For Each LF Of Cut-Off Section, Add* | *134.55* | |
| 33 42 13 13-0057 | LF | 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways | 3,533.92 | 174.12 |
| | | *For Each LF Of Cut-Off Section, Add* | *141.36* | |
| 33 42 13 13-0058 | LF | 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways | 3,704.00 | 174.12 |
| | | *For Each LF Of Cut-Off Section, Add* | *148.16* | |
| 33 42 13 13-0059 | LF | 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways | 3,705.97 | 203.14 |
| | | *For Each LF Of Cut-Off Section, Add* | *148.24* | |
| 33 42 13 13-0060 | LF | 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways | 3,899.30 | 203.14 |
| | | *For Each LF Of Cut-Off Section, Add* | *155.97* | |
| 33 42 13 13-0061 | LF | 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways | 4,286.02 | 203.14 |
| | | *For Each LF Of Cut-Off Section, Add* | *171.44* | |
| 33 42 13 13-0062 | LF | 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways | 4,672.74 | 203.14 |
| | | *For Each LF Of Cut-Off Section, Add* | *186.91* | |
| 33 42 13 13-0063 | LF | 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways | 5,591.94 | 232.15 |
| | | *For Each LF Of Cut-Off Section, Add* | *223.68* | |
| 33 42 13 13-0064 | LF | 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways | 7,052.85 | 232.15 |
| | | *For Each LF Of Cut-Off Section, Add* | *282.11* | |

## 33 42 23 Headwalls and Endwalls for Stormwater Piping *(33 42)*

### 33 42 23 00-0001 Headwalls *(33 42 23)*

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

### 33 42 23 00-0002 Cast In Place Concrete Headwalls *(33 42 23 00-0001)*

Note: Includes concrete, forms, rebar (where required), finish and curing.

### 33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

| | | | | |
|---|---|---|---|---|
| 33 42 23 00-0004 | EA | 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall | 1,582.68 | 703.96 |
| 33 42 23 00-0005 | EA | 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall | 1,993.23 | 750.90 |
| 33 42 23 00-0006 | EA | 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall | 2,605.10 | 983.57 |
| 33 42 23 00-0007 | EA | 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall | 4,076.65 | 1,407.93 |
| 33 42 23 00-0008 | EA | 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall | 5,667.72 | 1,877.25 |
| 33 42 23 00-0009 | EA | 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall | 6,860.46 | 2,474.41 |
| 33 42 23 00-0010 | EA | 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall | 9,437.13 | 3,413.14 |
| 33 42 23 00-0011 | EA | 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall | 11,221.11 | 4,022.62 |
| 33 42 23 00-0012 | EA | 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall | 13,497.13 | 4,897.20 |
| 33 42 23 00-0013 | EA | 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall | 16,192.63 | 5,928.12 |

### 33 42 23 00-0014 Straight, Single Pipe, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

| | | | | |
|---|---|---|---|---|
| 33 42 23 00-0015 | EA | 12" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall | 953.82 | 605.66 |
| 33 42 23 00-0016 | EA | 15" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall | 1,234.96 | 707.11 |
| 33 42 23 00-0017 | EA | 18" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall | 1,588.03 | 935.63 |
| 33 42 23 00-0018 | EA | 24" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall | 2,488.18 | 1,424.33 |
| 33 42 23 00-0019 | EA | 30" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall | 3,435.98 | 1,915.09 |
| 33 42 23 00-0020 | EA | 36" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall | 4,843.15 | 2,640.79 |

### 33 42 23 00-0021 Straight, Double Pipe, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

| | | | | |
|---|---|---|---|---|
| 33 42 23 00-0022 | EA | 12" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall | 1,276.52 | 757.14 |
| 33 42 23 00-0023 | EA | 15" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall | 1,635.94 | 975.91 |
| 33 42 23 00-0024 | EA | 18" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall | 2,176.79 | 1,282.09 |
| 33 42 23 00-0025 | EA | 24" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall | 3,363.00 | 1,930.59 |
| 33 42 23 00-0026 | EA | 30" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall | 4,676.56 | 2,604.99 |
| 33 42 23 00-0027 | EA | 36" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall | 6,601.30 | 3,602.15 |

### 33 42 23 00-0028 Precast Concrete Headwalls *(33 42 23 00-0001)*

| | | | | |
|---|---|---|---|---|
| 33 42 23 00-0029 | EA | 12" Pipe, Precast Concrete Headwall | 912.86 | 196.76 |
| 33 42 23 00-0030 | EA | 15" Pipe, Precast Concrete Headwall | 945.65 | 207.70 |
| 33 42 23 00-0031 | EA | 18" Pipe, Precast Concrete Headwall | 1,041.40 | 236.12 |
| 33 42 23 00-0032 | EA | 24" Pipe, Precast Concrete Headwall | 1,149.72 | 251.42 |
| 33 42 23 00-0033 | EA | 30" Pipe, Precast Concrete Headwall | 1,536.62 | 295.15 |
| 33 42 23 00-0034 | EA | 36" Pipe, Precast Concrete Headwall | 1,728.10 | 306.07 |
| 33 42 23 00-0035 | EA | 42" Pipe, Precast Concrete Headwall | 2,261.52 | 358.22 |
| 33 42 23 00-0036 | EA | 48" Pipe, Precast Concrete Headwall | 2,495.52 | 394.67 |
| 33 42 23 00-0037 | EA | 54" Pipe, Precast Concrete Headwall | 2,752.92 | 417.88 |
| 33 42 23 00-0038 | EA | 60" Pipe, Precast Concrete Headwall | 3,121.61 | 417.88 |
| 33 42 23 00-0039 | EA | 72" Pipe, Precast Concrete Headwall | 3,766.12 | 522.35 |
| 33 42 23 00-0040 | EA | 84" Pipe, Precast Concrete Headwall | 5,324.18 | 626.82 |

### 33 42 23 00-0041 Precast Concrete Wingwalls *(33 42 23 00-0001)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 23 00-0042 | EA | 18" ID Pipe (26" Hole) Precast Concrete Wingwall<br>Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe. | 5,702.09 | 2,068.50 |
| 33 42 23 00-0043 | EA | 24" ID Pipe (32" Hole) Precast Concrete Wingwall<br>Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe. | 6,050.32 | 2,298.33 |
| 33 42 23 00-0044 | EA | 30" ID Pipe (42" Hole) Precast Concrete Wingwall<br>Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe. | 6,630.71 | 2,681.39 |
| 33 42 23 00-0045 | EA | 33" ID Pipe (46" Hole) Precast Concrete Wingwall<br>Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe. | 7,211.09 | 3,064.44 |
| 33 42 23 00-0046 | EA | 36" ID Pipe (50" Hole) Precast Concrete Wingwall<br>Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe. | 7,211.09 | 3,064.44 |
| 33 42 23 00-0047 | EA | 44" ID Pipe (58" Hole) Precast Concrete Wingwall<br>Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe. | 7,443.26 | 3,217.67 |
| 33 42 23 00-0048 | EA | 48" ID Pipe (62" Hole) Precast Concrete Wingwall<br>Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe. | 12,641.92 | 3,294.28 |
| 33 42 23 00-0049 | EA | 52" ID Pipe (66" Hole) Precast Concrete Wingwall<br>Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe. | 12,990.15 | 3,524.11 |
| 33 42 23 00-0050 | | Precast Concrete Transverse Drainage Interceptor *(33 42 23 00-0001)* | | |
| 33 42 23 00-0051 | EA | 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate | 3,777.58 | 812.54 |
| **33 42 26** | | **End Sections for Stormwater Piping** *(33 42)* | | |
| **33 42 26 16** | | **Corrugated Metal End Sections for Stormwater Piping** *(33 42 26)* | | |
| 33 42 26 16-0001 | | Corrugated Metal Pipe End Sections *(33 42 26 16)* | | |
| 33 42 26 16-0002 | | Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0001)* | | |
| 33 42 26 16-0003 | | Type 1 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*<br>Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut. | | |
| 33 42 26 16-0004 | EA | 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section | 318.80 | 76.52 |
| 33 42 26 16-0005 | EA | 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section | 371.29 | 81.98 |
| 33 42 26 16-0006 | EA | 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section | 435.06 | 87.45 |
| 33 42 26 16-0007 | EA | 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section | 528.85 | 95.65 |
| 33 42 26 16-0008 | EA | 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section | 586.24 | 103.84 |
| 33 42 26 16-0009 | | Type 2 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*<br>Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required. | | |
| 33 42 26 16-0010 | EA | 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section | 954.78 | 117.51 |
| 33 42 26 16-0011 | EA | 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section | 1,240.22 | 139.29 |
| 33 42 26 16-0012 | EA | 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section | 1,914.73 | 162.51 |
| 33 42 26 16-0013 | EA | 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section | 2,341.58 | 185.73 |
| 33 42 26 16-0014 | EA | 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section | 2,787.27 | 232.15 |
| 33 42 26 16-0015 | EA | 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section | 3,253.60 | 278.59 |
| 33 42 26 16-0016 | | Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*<br>Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations. | | |
| 33 42 26 16-0017 | EA | 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 333.61 | 76.52 |
| 33 42 26 16-0018 | EA | 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 386.52 | 81.98 |
| 33 42 26 16-0019 | EA | 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 458.48 | 87.45 |
| 33 42 26 16-0020 | EA | 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 556.96 | 95.65 |
| 33 42 26 16-0021 | EA | 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 618.11 | 103.84 |
| 33 42 26 16-0022 | EA | 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 1,052.66 | 117.51 |
| 33 42 26 16-0023 | EA | 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 1,361.89 | 139.29 |
| 33 42 26 16-0024 | EA | 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 2,180.11 | 162.51 |
| 33 42 26 16-0025 | EA | 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 2,684.06 | 185.73 |
| 33 42 26 16-0026 | EA | 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 3,133.60 | 232.15 |
| 33 42 26 16-0027 | EA | 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 4,350.53 | 278.59 |
| 33 42 26 16-0028 | EA | 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 4,918.21 | 417.88 |
| 33 42 26 16-0029 | EA | 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 5,742.39 | 557.17 |
| 33 42 26 16-0030 | EA | 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 6,256.73 | 597.80 |
| 33 42 26 16-0031 | EA | 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section | 6,783.77 | 638.42 |
| 33 42 26 16-0032 | | Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section *(33 42 26 16-0002)* | | |
| 33 42 26 16-0033 | EA | Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section | 42.57 | |
| 33 42 26 16-0034 | EA | Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section | 47.52 | |
| 33 42 26 16-0035 | EA | Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section | 53.61 | |
| 33 42 26 16-0036 | EA | Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section | 58.30 | |
| 33 42 26 16-0037 | EA | Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section | 65.28 | |
| 33 42 26 16-0038 | EA | Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section | 114.52 | |
| 33 42 26 16-0039 | EA | Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section | 123.22 | |
| 33 42 26 16-0040 | EA | Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section | 169.28 | |
| 33 42 26 16-0041 | EA | Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section | 181.10 | |
| 33 42 26 16-0042 | EA | Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section | 221.31 | |
| 33 42 26 16-0043 | EA | Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section | 226.55 | |
| 33 42 26 16-0044 | EA | Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section | 241.51 | |
| 33 42 26 16-0045 | EA | Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section | 273.67 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 26 16-0046 | EA | Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section | 306.19 | |
| 33 42 26 16-0047 | EA | 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension | 313.47 | |
| **33 42 26 16-0048** | | **Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0001)* | | |
| **33 42 26 16-0049** | | **Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)* | | |
| | | Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut. | | |
| 33 42 26 16-0050 | EA | 17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section | 371.29 | 81.98 |
| 33 42 26 16-0051 | EA | 21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section | 435.06 | 87.45 |
| 33 42 26 16-0052 | EA | 24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section | 528.85 | 95.65 |
| 33 42 26 16-0053 | EA | 28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section | 586.24 | 103.84 |
| **33 42 26 16-0054** | | **Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)* | | |
| | | Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required. | | |
| 33 42 26 16-0055 | EA | 17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section | 358.51 | 81.98 |
| 33 42 26 16-0056 | EA | 21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section | 411.42 | 87.45 |
| 33 42 26 16-0057 | EA | 24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section | 461.15 | 95.65 |
| 33 42 26 16-0058 | EA | 28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section | 521.60 | 103.84 |
| 33 42 26 16-0059 | EA | 35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section | 770.50 | 117.51 |
| 33 42 26 16-0060 | EA | 42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section | 1,129.60 | 139.29 |
| 33 42 26 16-0061 | EA | 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section | 1,769.04 | 162.51 |
| 33 42 26 16-0062 | EA | 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section | 2,244.50 | 185.73 |
| **33 42 26 16-0063** | | **Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)* | | |
| | | Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations. | | |
| 33 42 26 16-0064 | EA | 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section | 364.99 | 81.98 |
| 33 42 26 16-0065 | EA | 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section | 425.52 | 87.45 |
| 33 42 26 16-0066 | EA | 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section | 483.20 | 95.65 |
| 33 42 26 16-0067 | EA | 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section | 547.74 | 103.84 |
| 33 42 26 16-0068 | EA | 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section | 814.92 | 117.51 |
| 33 42 26 16-0069 | EA | 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section | 1,190.20 | 139.29 |
| 33 42 26 16-0070 | EA | 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section | 1,865.98 | 162.51 |
| 33 42 26 16-0071 | EA | 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section | 2,356.06 | 185.73 |
| 33 42 26 16-0072 | EA | 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section | 2,833.10 | 232.15 |
| 33 42 26 16-0073 | EA | 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section | 3,729.54 | 278.59 |
| 33 42 26 16-0074 | EA | 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section | 5,199.70 | 417.88 |
| 33 42 26 16-0075 | EA | 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section | 5,738.64 | 557.17 |
| **33 42 26 16-0076** | | **Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0048)* | | |
| 33 42 26 16-0077 | EA | Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section | 47.52 | |
| 33 42 26 16-0078 | EA | Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section | 53.61 | |
| 33 42 26 16-0079 | EA | Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section | 58.30 | |
| 33 42 26 16-0080 | EA | Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section | 65.28 | |
| 33 42 26 16-0081 | EA | Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section | 114.52 | |
| 33 42 26 16-0082 | EA | Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section | 123.22 | |
| 33 42 26 16-0083 | EA | Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section | 169.28 | |
| 33 42 26 16-0084 | EA | Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section | 188.43 | |
| 33 42 26 16-0085 | EA | Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section | 221.31 | |
| 33 42 26 16-0086 | EA | Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section | 229.47 | |
| 33 42 26 16-0087 | EA | Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section | 265.29 | |
| 33 42 26 16-0088 | EA | Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section | 299.86 | |
| **33 42 26 16-0089** | | **Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0001)* | | |
| **33 42 26 16-0090** | | **Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0089)* | | |
| 33 42 26 16-0091 | EA | 12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section | 490.93 | 76.52 |
| 33 42 26 16-0092 | EA | 15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section | 567.28 | 81.98 |
| 33 42 26 16-0093 | EA | 18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section | 674.91 | 87.45 |
| 33 42 26 16-0094 | EA | 21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section | 839.78 | 95.65 |
| 33 42 26 16-0095 | EA | 24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section | 1,101.92 | 103.84 |
| 33 42 26 16-0096 | EA | 30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section | 1,661.69 | 117.51 |
| 33 42 26 16-0097 | EA | 36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section | 2,263.29 | 139.29 |
| 33 42 26 16-0098 | EA | 36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section | 2,826.45 | 139.29 |
| 33 42 26 16-0099 | EA | 42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section | 3,609.02 | 162.51 |
| 33 42 26 16-0100 | EA | 48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section | 5,163.40 | 185.73 |
| 33 42 26 16-0101 | EA | 54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section | 5,712.37 | 232.15 |
| 33 42 26 16-0102 | EA | 60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 7,708.49 | 278.59 |
| 33 42 26 16-0103 | EA | 66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 8,703.87 | 417.88 |
| 33 42 26 16-0104 | EA | 72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 10,162.09 | 557.17 |
| 33 42 26 16-0105 | EA | 78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 11,101.56 | 597.80 |
| 33 42 26 16-0106 | EA | 84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 11,712.16 | 638.42 |
| 33 42 26 16-0107 | EA | 90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 16,070.38 | 696.47 |
| 33 42 26 16-0108 | EA | 96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 17,794.93 | 754.50 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 42 26 16-0109** | | **Toe Plate Extensions For Corrugated Aluminum Pipe End Section** *(33 42 26 16-0089)* | | |
| 33 42 26 16-0110 | EA | Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section | 76.86 | |
| 33 42 26 16-0111 | EA | Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section | 81.57 | |
| 33 42 26 16-0112 | EA | Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section | 88.68 | |
| 33 42 26 16-0113 | EA | Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section | 100.01 | |
| 33 42 26 16-0114 | EA | Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section | 106.00 | |
| 33 42 26 16-0115 | EA | Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section | 137.06 | |
| 33 42 26 16-0116 | EA | Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section | 162.77 | |
| 33 42 26 16-0117 | EA | Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section | 172.17 | |
| 33 42 26 16-0118 | EA | Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section | 188.89 | |
| 33 42 26 16-0119 | EA | Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section | 213.54 | |
| 33 42 26 16-0120 | EA | Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section | 252.82 | |
| 33 42 26 16-0121 | EA | Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 356.89 | |
| 33 42 26 16-0122 | EA | Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 383.14 | |
| 33 42 26 16-0123 | EA | Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 482.83 | |
| 33 42 26 16-0124 | EA | Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 522.18 | |
| 33 42 26 16-0125 | EA | Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 556.28 | |
| 33 42 26 16-0126 | EA | Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 592.20 | |
| 33 42 26 16-0127 | EA | Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section | 628.44 | |
| **33 42 26 16-0128** | | **Corrugated Aluminum Pipe-Arch End Sections** *(33 42 26 16-0001)* | | |
| **33 42 26 16-0129** | | **Corrugated Aluminum Pipe-Arch End Sections** *(33 42 26 16-0128)* | | |
| 33 42 26 16-0130 | EA | 17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section | 585.48 | 81.98 |
| 33 42 26 16-0131 | EA | 21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section | 719.28 | 87.45 |
| 33 42 26 16-0132 | EA | 24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section | 780.93 | 95.65 |
| 33 42 26 16-0133 | EA | 28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section | 842.53 | 103.84 |
| 33 42 26 16-0134 | EA | 35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section | 1,272.60 | 117.51 |
| 33 42 26 16-0135 | EA | 42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section | 2,289.17 | 139.29 |
| 33 42 26 16-0136 | EA | 42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section | 2,431.95 | 139.29 |
| 33 42 26 16-0137 | EA | 49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section | 3,256.85 | 162.51 |
| 33 42 26 16-0138 | EA | 57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section | 5,026.26 | 185.73 |
| 33 42 26 16-0139 | EA | 64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section | 5,749.61 | 232.15 |
| 33 42 26 16-0140 | EA | 71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 6,952.33 | 278.59 |
| 33 42 26 16-0141 | EA | 77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 11,659.54 | 417.88 |
| 33 42 26 16-0142 | EA | 83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 12,206.21 | 557.17 |
| 33 42 26 16-0143 | EA | 87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 13,292.76 | 597.80 |
| 33 42 26 16-0144 | EA | 95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 13,870.46 | 638.42 |
| 33 42 26 16-0145 | EA | 103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 15,118.75 | 696.47 |
| 33 42 26 16-0146 | EA | 112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 16,012.07 | 754.50 |
| **33 42 26 16-0147** | | **Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section** *(33 42 26 16-0128)* | | |
| 33 42 26 16-0148 | EA | Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section | 81.57 | |
| 33 42 26 16-0149 | EA | Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section | 88.68 | |
| 33 42 26 16-0150 | EA | Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section | 93.43 | |
| 33 42 26 16-0151 | EA | Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section | 102.38 | |
| 33 42 26 16-0152 | EA | Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section | 116.38 | |
| 33 42 26 16-0153 | EA | Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section | 150.87 | |
| 33 42 26 16-0154 | EA | Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section | 165.87 | |
| 33 42 26 16-0155 | EA | Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section | 188.89 | |
| 33 42 26 16-0156 | EA | Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section | 213.54 | |
| 33 42 26 16-0157 | EA | Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section | 252.82 | |
| 33 42 26 16-0158 | EA | Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 323.54 | |
| 33 42 26 16-0159 | EA | Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 411.06 | |
| 33 42 26 16-0160 | EA | Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 552.64 | |
| 33 42 26 16-0161 | EA | Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 628.45 | |
| 33 42 26 16-0162 | EA | Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 657.64 | |
| 33 42 26 16-0163 | EA | Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 681.14 | |
| 33 42 26 16-0164 | EA | Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section | 710.15 | |
| **33 42 26 16-0165** | | **Low Slope Corrugated Steel Pipe End Sections And Accessories** *(33 42 26 16-0001)* | | |
| **33 42 26 16-0166** | | **4:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)* | | |
| 33 42 26 16-0167 | EA | 15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section | 760.30 | 81.98 |
| 33 42 26 16-0168 | EA | 18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section | 984.31 | 87.45 |
| 33 42 26 16-0169 | EA | 21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section | 1,208.49 | 95.65 |
| 33 42 26 16-0170 | EA | 24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section | 1,448.76 | 103.84 |
| 33 42 26 16-0171 | EA | 30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section | 1,530.59 | 117.51 |
| 33 42 26 16-0172 | EA | 36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section | 2,002.57 | 139.29 |
| 33 42 26 16-0173 | EA | 42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section | 3,186.50 | 162.51 |
| **33 42 26 16-0174** | | **3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)* | | |
| | | Note: Includes nut and bolt set. | | |
| 33 42 26 16-0175 | EA | 3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section | 546.89 | |
| 33 42 26 16-0176 | EA | 3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section | 1,107.77 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 26 16-0177 | EA | 3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section | 1,215.70 | |
| 33 42 26 16-0178 | EA | 3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section | 1,263.24 | |
| **33 42 26 16-0179** | | **6:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)* | | |
| 33 42 26 16-0180 | EA | 15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section | 797.28 | 81.98 |
| 33 42 26 16-0181 | EA | 18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section | 1,050.82 | 87.45 |
| 33 42 26 16-0182 | EA | 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section | 1,404.22 | 95.65 |
| 33 42 26 16-0183 | EA | 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section | 1,652.19 | 103.84 |
| 33 42 26 16-0184 | EA | 30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section | 1,962.44 | 117.51 |
| 33 42 26 16-0185 | EA | 36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section | 2,383.74 | 139.29 |
| 33 42 26 16-0186 | EA | 42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section | 3,663.41 | 162.51 |
| **33 42 26 16-0187** | | **3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)* | | |
| | | Note: Includes nut and bolt set. | | |
| 33 42 26 16-0188 | EA | 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section | 1,073.01 | |
| 33 42 26 16-0189 | EA | 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section | 1,137.83 | |
| 33 42 26 16-0190 | EA | 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section | 1,251.22 | |
| 33 42 26 16-0191 | EA | 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section | 1,312.44 | |
| **33 42 26 16-0192** | | **Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section** *(33 42 26 16-0165)* | | |
| 33 42 26 16-0193 | EA | Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section | 91.37 | |
| 33 42 26 16-0194 | EA | Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section | 102.89 | |
| 33 42 26 16-0195 | EA | Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section | 112.02 | |
| 33 42 26 16-0196 | EA | Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section | 125.22 | |
| 33 42 26 16-0197 | EA | Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section | 191.77 | |
| 33 42 26 16-0198 | EA | Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section | 205.84 | |
| 33 42 26 16-0199 | EA | Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section | 277.57 | |
| **33 42 26 16-0200** | | **Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories** *(33 42 26 16-0001)* | | |
| **33 42 26 16-0201** | | **4:1 Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0200)* | | |
| 33 42 26 16-0202 | EA | 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section | 906.41 | 87.45 |
| 33 42 26 16-0203 | EA | 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section | 1,141.39 | 95.65 |
| 33 42 26 16-0204 | EA | 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section | 1,353.73 | 103.84 |
| 33 42 26 16-0205 | EA | 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section | 2,573.93 | 117.51 |
| **33 42 26 16-0206** | | **3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0200)* | | |
| | | Note: Includes nut and bolt set. | | |
| 33 42 26 16-0207 | EA | 3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section | 653.10 | |
| 33 42 26 16-0208 | EA | 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section | 1,199.41 | |
| 33 42 26 16-0209 | EA | 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section | 1,263.24 | |
| 33 42 26 16-0210 | EA | 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section | 1,864.61 | |
| **33 42 26 16-0211** | | **Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0200)* | | |
| 33 42 26 16-0212 | EA | Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section | 92.27 | |
| 33 42 26 16-0213 | EA | Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section | 104.91 | |
| 33 42 26 16-0214 | EA | Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section | 114.39 | |
| 33 42 26 16-0215 | EA | Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section | 135.60 | |
| **33 42 26 19** | | **Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** *(33 42 26)* | | |
| **33 42 26 19-0001** | | **Corrugated High-Density Polyethylene (HDPE) Pipe End Sections** *(33 42 26 19)* | | |
| 33 42 26 19-0002 | EA | 4" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe | 70.99 | 21.24 |
| 33 42 26 19-0003 | EA | 6" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe | 137.84 | 31.87 |
| 33 42 26 19-0004 | EA | 8" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe | 189.65 | 39.83 |
| 33 42 26 19-0005 | EA | 10" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe | 297.98 | 63.73 |
| 33 42 26 19-0006 | EA | 12" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe | 356.75 | 71.70 |
| 33 42 26 19-0007 | EA | 15" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe | 378.04 | 77.02 |
| 33 42 26 19-0008 | EA | 18" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe | 455.30 | 84.98 |
| 33 42 26 19-0009 | EA | 24" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe | 594.72 | 100.91 |
| 33 42 26 19-0010 | EA | 30" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe | 1,294.72 | 114.19 |
| 33 42 26 19-0011 | EA | 36" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe | 1,587.86 | 127.47 |
| **33 42 26 23** | | **Concrete End Sections for Stormwater Piping** *(33 42 26)* | | |
| **33 42 26 23-0001** | | **Precast Concrete End Sections** *(33 42 26 23)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 42 26 23-0002** | | **Precast Concrete End Sections** *(33 42 26 23-0001)* | | |
| 33 42 26 23-0003 | EA | 12" Diameter Pipe, Precast Concrete End Section | 725.39 | 128.22 |
| 33 42 26 23-0004 | EA | 15" Diameter Pipe, Precast Concrete End Section | 972.39 | 158.72 |
| 33 42 26 23-0005 | EA | 18" Diameter Pipe, Precast Concrete End Section | 1,204.44 | 200.92 |
| 33 42 26 23-0006 | EA | 21" Diameter Pipe, Precast Concrete End Section | 1,383.19 | 240.27 |
| 33 42 26 23-0007 | EA | 24" Diameter Pipe, Precast Concrete End Section | 1,472.41 | 278.09 |
| 33 42 26 23-0008 | EA | 27" Diameter Pipe, Precast Concrete End Section | 1,852.14 | 345.92 |
| 33 42 26 23-0009 | EA | 30" Diameter Pipe, Precast Concrete End Section | 2,301.15 | 519.56 |
| 33 42 26 23-0010 | EA | 36" Diameter Pipe, Precast Concrete End Section | 2,842.60 | 655.60 |
| 33 42 26 23-0011 | EA | 42" Diameter Pipe, Precast Concrete End Section | 3,442.01 | 822.41 |
| 33 42 26 23-0012 | EA | 48" Diameter Pipe, Precast Concrete End Section | 3,774.95 | 927.45 |
| 33 42 26 23-0013 | EA | 54" Diameter Pipe, Precast Concrete End Section | 4,120.15 | 1,038.89 |
| 33 42 26 23-0014 | EA | 60" Diameter Pipe, Precast Concrete End Section | 4,474.19 | 1,154.97 |
| 33 42 26 23-0015 | EA | 66" Diameter Pipe Precast Concrete End Section | 4,443.37 | 931.90 |
| 33 42 26 23-0016 | EA | 72" Diameter Pipe Precast Concrete End Section | 5,099.30 | 1,164.84 |
| 33 42 26 23-0017 | EA | 78" Diameter Pipe Precast Concrete End Section | 6,070.20 | 1,456.05 |
| 33 42 26 23-0018 | EA | 84" Diameter Pipe Precast Concrete End Section | 7,185.19 | 1,747.26 |
| **33 42 26 23-0019** | | **Flared Precast Concrete End Sections** *(33 42 26 23-0001)* | | |
| 33 42 26 23-0020 | EA | 12" Diameter Pipe, Flared Precast Concrete End Section | 908.68 | 135.23 |
| 33 42 26 23-0021 | EA | 15" Diameter Pipe, Flared Precast Concrete End Section | 1,094.73 | 168.55 |
| 33 42 26 23-0022 | EA | 18" Diameter Pipe, Flared Precast Concrete End Section | 1,329.92 | 213.35 |
| 33 42 26 23-0023 | EA | 21" Diameter Pipe, Flared Precast Concrete End Section | 1,520.78 | 255.13 |
| 33 42 26 23-0024 | EA | 24" Diameter Pipe, Flared Precast Concrete End Section | 1,854.11 | 295.31 |
| 33 42 26 23-0025 | EA | 27" Diameter Pipe, Flared Precast Concrete End Section | 2,247.48 | 471.62 |
| 33 42 26 23-0026 | EA | 30" Diameter Pipe, Flared Precast Concrete End Section | 2,354.11 | 649.34 |
| 33 42 26 23-0027 | EA | 36" Diameter Pipe, Flared Precast Concrete End Section | 3,174.88 | 819.50 |
| 33 42 26 23-0028 | EA | 42" Diameter Pipe, Flared Precast Concrete End Section | 3,814.29 | 1,028.21 |
| 33 42 26 23-0029 | EA | 48" Diameter Pipe, Flared Precast Concrete End Section | 4,131.93 | 1,159.62 |
| 33 42 26 23-0030 | EA | 54" Diameter Pipe, Flared Precast Concrete End Section | 4,621.78 | 1,298.79 |
| 33 42 26 23-0031 | EA | 60" Diameter Pipe, Flared Precast Concrete End Section | 5,121.13 | 1,442.61 |
| 33 42 26 23-0032 | EA | 66" Diameter Pipe, Flared Precast Concrete End Section | 5,971.09 | 1,662.12 |
| 33 42 26 23-0033 | EA | 72" Diameter Pipe, Flared Precast Concrete End Section | 6,956.21 | 1,855.15 |
| 33 42 26 23-0034 | EA | 78" Diameter Pipe, Flared Precast Concrete End Section | 7,886.43 | 2,086.96 |
| 33 42 26 23-0035 | EA | 84" Diameter Pipe, Flared Precast Concrete End Section | 9,088.56 | 2,318.53 |
| **33 42 26 23-0036** | | **Elliptical Precast Concrete End Sections** *(33 42 26 23-0001)* | | |
| 33 42 26 23-0037 | EA | 14" x 23" Elliptical Precast Concrete End Section | 1,582.31 | 213.35 |
| 33 42 26 23-0038 | EA | 18" x 24" Elliptical Precast Concrete End Section | 1,805.22 | 255.13 |
| 33 42 26 23-0039 | EA | 19" x 30" Elliptical Precast Concrete End Section | 2,206.79 | 295.31 |
| 33 42 26 23-0040 | EA | 22" x 34" Elliptical Precast Concrete End Section | 2,632.33 | 471.62 |
| 33 42 26 23-0041 | EA | 24" x 38" Elliptical Precast Concrete End Section | 2,698.86 | 649.34 |
| 33 42 26 23-0042 | EA | 27" x 42" Elliptical Precast Concrete End Section | 3,179.95 | 734.77 |
| 33 42 26 23-0043 | EA | 29" x 45" Elliptical Precast Concrete End Section | 3,661.01 | 819.50 |
| 33 42 26 23-0044 | EA | 34" x 53" Elliptical Precast Concrete End Section | 4,381.96 | 1,028.21 |
| 33 42 26 23-0045 | EA | 38" x 60" Elliptical Precast Concrete End Section | 4,729.65 | 1,159.62 |
| 33 42 26 23-0046 | EA | 43" x 68" Elliptical Precast Concrete End Section | 5,289.74 | 1,298.79 |
| 33 42 26 23-0047 | EA | 48" x 76" Elliptical Precast Concrete End Section | 5,859.71 | 1,442.61 |

## 33 42 31 Stormwater Area Drains and Inlets *(33 42)*

**33 42 31 00-0001 Storm Drains** *(33 42 31)*
See CSI section 33 05 61 00-0001 for manhole structures.

**33 42 31 00-0002 Catch Basins And Inlet Basins** *(33 42 31 00-0001)*
Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

**33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins** *(33 42 31 00-0002)*
Note: Inside dimensions.

**33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins** *(33 42 31 00-0003)*

| | | | | |
|---|---|---|---|---|
| 33 42 31 00-0005 | EA | 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 1,856.16 | 346.25 |
| 33 42 31 00-0006 | EA | 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 2,216.18 | 405.69 |
| 33 42 31 00-0007 | EA | 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 2,576.19 | 465.03 |
| 33 42 31 00-0008 | EA | 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 2,936.21 | 524.48 |
| 33 42 31 00-0009 | EA | 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 3,296.24 | 583.82 |

**33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins** *(33 42 31 00-0003)*

| | | | | |
|---|---|---|---|---|
| 33 42 31 00-0011 | EA | 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 2,378.60 | 344.16 |
| 33 42 31 00-0012 | EA | 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 2,945.29 | 458.88 |
| 33 42 31 00-0013 | EA | 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 3,763.09 | 625.75 |
| 33 42 31 00-0014 | EA | 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 4,581.53 | 730.04 |
| 33 42 31 00-0015 | EA | 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 5,231.18 | 834.33 |

**33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins** *(33 42 31 00-0003)*

| | | | | |
|---|---|---|---|---|
| 33 42 31 00-0017 | EA | 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 2,556.22 | 375.45 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 31 00-0018 | EA | 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 3,540.79 | 521.46 |
| 33 42 31 00-0019 | EA | 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 4,329.19 | 677.89 |
| 33 42 31 00-0020 | EA | 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 4,999.41 | 782.19 |
| 33 42 31 00-0021 | EA | 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin | 6,341.84 | 1,001.20 |
| **33 42 31 00-0022** | | **Cast In Place, Catch Basin** *(33 42 31 00-0002)* | | |
| | | Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing. | | |
| **33 42 31 00-0023** | | **3' x 3', Cast In Place, Catch Basins** *(33 42 31 00-0022)* | | |
| 33 42 31 00-0024 | EA | 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin | 2,319.17 | 418.63 |
| 33 42 31 00-0025 | EA | 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin | 2,459.80 | 445.11 |
| 33 42 31 00-0026 | EA | 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin | 2,690.98 | 478.07 |
| 33 42 31 00-0027 | EA | 4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin | 3,024.36 | 529.18 |
| 33 42 31 00-0028 | EA | 5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin | 3,264.65 | 563.28 |
| 33 42 31 00-0029 | EA | 5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin | 3,419.15 | 590.70 |
| 33 42 31 00-0030 | EA | 6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin | 3,659.64 | 624.80 |
| 33 42 31 00-0031 | EA | 6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin | 3,809.93 | 652.34 |
| 33 42 31 00-0032 | EA | 7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin | 4,052.71 | 686.34 |
| 33 42 31 00-0033 | EA | 7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin | 4,204.92 | 713.88 |
| 33 42 31 00-0034 | EA | 8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin | 4,445.30 | 747.98 |
| 33 42 31 00-0035 | VLF | >8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin | 555.69 | 93.44 |
| **33 42 31 00-0036** | | **3'-6" x 3'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)* | | |
| 33 42 31 00-0037 | EA | 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin | 2,668.14 | 483.91 |
| 33 42 31 00-0038 | EA | 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin | 2,846.46 | 517.91 |
| 33 42 31 00-0039 | EA | 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin | 3,087.00 | 552.01 |
| 33 42 31 00-0040 | EA | 4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 3,476.86 | 611.36 |
| 33 42 31 00-0041 | EA | 5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 3,740.47 | 649.94 |
| 33 42 31 00-0042 | EA | 5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 3,918.07 | 681.96 |
| 33 42 31 00-0043 | EA | 6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 4,185.66 | 720.55 |
| 33 42 31 00-0044 | EA | 6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 4,363.27 | 752.57 |
| 33 42 31 00-0045 | EA | 7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 4,629.06 | 791.15 |
| 33 42 31 00-0046 | EA | 7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 4,806.20 | 823.17 |
| 33 42 31 00-0047 | EA | 8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 5,072.08 | 861.76 |
| 33 42 31 00-0048 | VLF | >8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 634.03 | 107.74 |
| **33 42 31 00-0049** | | **4' x 4', Cast In Place, Catch Basins** *(33 42 31 00-0022)* | | |
| 33 42 31 00-0050 | EA | 3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin | 3,042.08 | 553.58 |
| 33 42 31 00-0051 | EA | 3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin | 3,229.76 | 588.72 |
| 33 42 31 00-0052 | EA | 4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin | 3,505.72 | 630.34 |
| 33 42 31 00-0053 | EA | 4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin | 3,952.68 | 698.02 |
| 33 42 31 00-0054 | EA | 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin | 4,243.49 | 741.10 |
| 33 42 31 00-0055 | EA | 5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin | 4,445.93 | 777.70 |
| 33 42 31 00-0056 | EA | 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin | 4,736.74 | 820.77 |
| 33 42 31 00-0057 | EA | 6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin | 4,939.63 | 857.38 |
| 33 42 31 00-0058 | EA | 7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin | 5,230.44 | 900.45 |
| 33 42 31 00-0059 | EA | 7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin | 5,432.87 | 937.05 |
| 33 42 31 00-0060 | EA | 8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin | 5,723.68 | 980.23 |
| 33 42 31 00-0061 | VLF | >8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin | 715.43 | 122.55 |
| **33 42 31 00-0062** | | **4'-6" x 4'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)* | | |
| 33 42 31 00-0063 | EA | 3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin | 3,528.56 | 641.91 |
| 33 42 31 00-0064 | EA | 3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin | 3,749.21 | 678.21 |
| 33 42 31 00-0065 | EA | 4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin | 4,056.46 | 725.13 |
| 33 42 31 00-0066 | EA | 4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 4,566.48 | 802.11 |
| 33 42 31 00-0067 | EA | 5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 4,891.00 | 850.70 |
| 33 42 31 00-0068 | EA | 5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 5,127.25 | 892.74 |
| 33 42 31 00-0069 | EA | 6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 5,451.29 | 941.33 |
| 33 42 31 00-0070 | EA | 6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 5,687.52 | 983.47 |
| 33 42 31 00-0071 | EA | 7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 6,012.03 | 1,032.06 |
| 33 42 31 00-0072 | EA | 7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 6,246.00 | 1,074.10 |
| 33 42 31 00-0073 | EA | 8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 6,572.32 | 1,122.69 |
| 33 42 31 00-0074 | VLF | >8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 821.59 | 140.38 |
| **33 42 31 00-0075** | | **5' x 5', Cast In Place, Catch Basins** *(33 42 31 00-0022)* | | |
| 33 42 31 00-0076 | EA | 4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin | 4,541.30 | 814.21 |
| 33 42 31 00-0077 | EA | 4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin | 5,109.55 | 899.72 |
| 33 42 31 00-0078 | EA | 5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin | 5,461.69 | 953.02 |
| 33 42 31 00-0079 | EA | 5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin | 5,723.27 | 999.73 |
| 33 42 31 00-0080 | EA | 6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin | 6,071.32 | 1,052.92 |
| 33 42 31 00-0081 | EA | 6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin | 6,335.19 | 1,099.65 |
| 33 42 31 00-0082 | EA | 7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin | 6,685.04 | 1,152.94 |
| 33 42 31 00-0083 | EA | 7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin | 6,944.81 | 1,199.67 |
| 33 42 31 00-0084 | EA | 8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin | 7,296.94 | 1,252.86 |
| 33 42 31 00-0085 | VLF | >8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin | 1,293.16 | 156.65 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 42 31 00-0086** | | **5'-6" x 5'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)* | | |
| 33 42 31 00-0087 | EA | 4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin | 5,049.83 | 907.96 |
| 33 42 31 00-0088 | EA | 4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 5,902.29 | 1,027.81 |
| 33 42 31 00-0089 | EA | 5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 6,294.06 | 1,087.02 |
| 33 42 31 00-0090 | EA | 5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin | 6,595.27 | 1,140.11 |
| 33 42 31 00-0091 | EA | 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 6,988.86 | 1,199.77 |
| 33 42 31 00-0092 | EA | 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 7,292.34 | 1,252.86 |
| 33 42 31 00-0093 | EA | 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 7,684.12 | 1,312.51 |
| 33 42 31 00-0094 | EA | 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 7,985.35 | 1,365.59 |
| 33 42 31 00-0095 | EA | 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 8,377.12 | 1,425.24 |
| 33 42 31 00-0096 | VLF | >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 1,047.14 | 178.13 |
| **33 42 31 00-0097** | | **6' x 6', Cast In Place, Catch Basins** *(33 42 31 00-0022)* | | |
| 33 42 31 00-0098 | EA | 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin | 5,585.58 | 1,006.10 |
| 33 42 31 00-0099 | EA | 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin | 6,525.51 | 1,137.60 |
| 33 42 31 00-0100 | EA | 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin | 6,945.52 | 1,202.06 |
| 33 42 31 00-0101 | EA | 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin | 7,275.47 | 1,259.95 |
| 33 42 31 00-0102 | EA | 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin | 7,693.21 | 1,324.40 |
| 33 42 31 00-0103 | EA | 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin | 8,024.94 | 1,382.28 |
| 33 42 31 00-0104 | EA | 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin | 8,443.17 | 1,446.73 |
| 33 42 31 00-0105 | EA | 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin | 8,772.62 | 1,504.61 |
| 33 42 31 00-0106 | EA | 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin | 9,192.64 | 1,569.06 |
| 33 42 31 00-0107 | VLF | >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin | 1,149.14 | 196.17 |
| **33 42 31 00-0108** | | **6'-6" x 6'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)* | | |
| 33 42 31 00-0109 | EA | 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin | 6,144.44 | 1,108.93 |
| 33 42 31 00-0110 | EA | 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 7,460.29 | 1,284.76 |
| 33 42 31 00-0111 | EA | 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 7,924.21 | 1,356.10 |
| 33 42 31 00-0112 | EA | 5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 8,299.75 | 1,420.86 |
| 33 42 31 00-0113 | EA | 6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 8,763.66 | 1,492.10 |
| 33 42 31 00-0114 | EA | 6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 9,139.19 | 1,556.96 |
| 33 42 31 00-0115 | EA | 7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 9,603.11 | 1,628.20 |
| 33 42 31 00-0116 | EA | 7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 9,978.65 | 1,692.96 |
| 33 42 31 00-0117 | EA | 8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 10,444.36 | 1,764.30 |
| 33 42 31 00-0118 | VLF | >8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 1,305.49 | 220.58 |
| **33 42 31 00-0119** | | **7' x 7', Cast In Place, Catch Basins** *(33 42 31 00-0022)* | | |
| 33 42 31 00-0120 | EA | 4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin | 6,728.91 | 1,216.25 |
| 33 42 31 00-0121 | EA | 4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin | 8,170.72 | 1,408.14 |
| 33 42 31 00-0122 | EA | 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin | 8,663.50 | 1,484.48 |
| 33 42 31 00-0123 | EA | 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin | 9,066.21 | 1,554.15 |
| 33 42 31 00-0124 | EA | 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin | 9,561.17 | 1,630.38 |
| 33 42 31 00-0125 | EA | 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin | 9,963.88 | 1,700.15 |
| 33 42 31 00-0126 | EA | 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin | 10,456.66 | 1,776.39 |
| 33 42 31 00-0127 | EA | 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin | 10,861.64 | 1,846.17 |
| 33 42 31 00-0128 | EA | 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin | 11,354.32 | 1,922.40 |
| 33 42 31 00-0129 | VLF | >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin | 1,419.34 | 240.29 |
| **33 42 31 00-0130** | | **7'-6" x 7'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)* | | |
| 33 42 31 00-0131 | EA | 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin | 7,663.71 | 1,365.07 |
| 33 42 31 00-0132 | EA | 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 8,910.12 | 1,536.52 |
| 33 42 31 00-0133 | EA | 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 9,429.97 | 1,617.77 |
| 33 42 31 00-0134 | EA | 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 9,863.82 | 1,692.44 |
| 33 42 31 00-0135 | EA | 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 10,385.84 | 1,773.68 |
| 33 42 31 00-0136 | EA | 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 10,819.70 | 1,848.35 |
| 33 42 31 00-0137 | EA | 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 11,339.55 | 1,929.60 |
| 33 42 31 00-0138 | EA | 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 11,773.41 | 2,004.27 |
| 33 42 31 00-0139 | EA | 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 12,295.53 | 2,085.51 |
| 33 42 31 00-0140 | VLF | >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin | 1,536.91 | 260.73 |
| **33 42 31 00-0141** | | **8' x 8', Cast In Place, Catch Basins** *(33 42 31 00-0022)* | | |
| 33 42 31 00-0142 | EA | 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin | 8,329.84 | 1,485.21 |
| 33 42 31 00-0143 | EA | 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin | 9,676.46 | 1,669.91 |
| 33 42 31 00-0144 | EA | 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin | 10,225.76 | 1,756.06 |
| 33 42 31 00-0145 | EA | 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin | 10,688.49 | 1,835.74 |
| 33 42 31 00-0146 | EA | 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin | 11,237.69 | 1,921.88 |
| 33 42 31 00-0147 | EA | 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin | 11,695.85 | 2,001.56 |
| 33 42 31 00-0148 | EA | 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin | 12,249.60 | 2,087.70 |
| 33 42 31 00-0149 | EA | 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin | 12,712.32 | 2,167.38 |
| 33 42 31 00-0150 | EA | 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin | 13,252.26 | 2,253.53 |
| 33 42 31 00-0151 | VLF | >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin | 1,657.69 | 281.69 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 42 31 00-0152** | | **Precast Concrete Catch Basins** *(33 42 31 00-0002)* Note: Inside dimensions. | | |
| **33 42 31 00-0153** | | **1'-6" Diameter Precast Catch Basins** *(33 42 31 00-0152)* | | |
| 33 42 31 00-0154 | EA | 4' Deep, 1'-6" Diameter Precast Catch Basins | 744.58 | 234.78 |
| 33 42 31 00-0155 | EA | 6' Deep, 1'-6" Diameter Precast Catch Basins | 1,037.84 | 352.16 |
| 33 42 31 00-0156 | EA | 8' Deep, 1'-6" Diameter Precast Catch Basins | 1,316.97 | 457.81 |
| 33 42 31 00-0157 | EA | 10' Deep, 1'-6" Diameter Precast Catch Basins | 1,576.30 | 541.16 |
| 33 42 31 00-0158 | EA | 12' Deep, 1'-6" Diameter Precast Catch Basins | 1,942.98 | 686.71 |
| 33 42 31 00-0159 | EA | 14' Deep, 1'-6" Diameter Precast Catch Basins | 2,223.38 | 792.36 |
| 33 42 31 00-0160 | VLF | Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins | 155.02 | 52.82 |
| **33 42 31 00-0161** | | **2' Diameter Precast Catch Basins** *(33 42 31 00-0152)* | | |
| 33 42 31 00-0162 | EA | 4' Deep, 2' Diameter Precast Catch Basin | 847.90 | 261.19 |
| 33 42 31 00-0163 | EA | 6' Deep, 2' Diameter Precast Catch Basin | 1,175.40 | 387.37 |
| 33 42 31 00-0164 | EA | 8' Deep, 2' Diameter Precast Catch Basin | 1,485.61 | 510.63 |
| 33 42 31 00-0165 | EA | 10' Deep, 2' Diameter Precast Catch Basin | 1,772.34 | 595.74 |
| 33 42 31 00-0166 | EA | 12' Deep, 2' Diameter Precast Catch Basin | 2,198.11 | 763.01 |
| 33 42 31 00-0167 | EA | 14' Deep, 2' Diameter Precast Catch Basin | 2,512.13 | 880.40 |
| 33 42 31 00-0168 | VLF | Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin | 175.21 | 63.38 |
| **33 42 31 00-0169** | | **3' Diameter Precast Catch Basins** *(33 42 31 00-0152)* | | |
| 33 42 31 00-0170 | EA | 4' Deep, 3' Diameter Precast Catch Basin | 1,115.65 | 308.14 |
| 33 42 31 00-0171 | EA | 6' Deep, 3' Diameter Precast Catch Basin | 1,525.86 | 455.46 |
| 33 42 31 00-0172 | EA | 8' Deep, 3' Diameter Precast Catch Basin | 1,919.71 | 601.60 |
| 33 42 31 00-0173 | EA | 10' Deep, 3' Diameter Precast Catch Basin | 2,390.81 | 751.27 |
| 33 42 31 00-0174 | EA | 12' Deep, 3' Diameter Precast Catch Basin | 2,825.08 | 895.66 |
| 33 42 31 00-0175 | EA | 14' Deep, 3' Diameter Precast Catch Basin | 3,244.79 | 1,042.39 |
| 33 42 31 00-0176 | VLF | Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin | 223.47 | 74.45 |
| **33 42 31 00-0177** | | **4' Diameter Precast Catch Basins** *(33 42 31 00-0152)* | | |
| 33 42 31 00-0178 | EA | 4' Deep, 4' Diameter Precast Catch Basin | 1,346.91 | 342.77 |
| 33 42 31 00-0179 | EA | 6' Deep, 4' Diameter Precast Catch Basin | 1,753.93 | 469.55 |
| 33 42 31 00-0180 | EA | 8' Deep, 4' Diameter Precast Catch Basin | 2,355.53 | 704.32 |
| 33 42 31 00-0181 | EA | 10' Deep, 4' Diameter Precast Catch Basin | 2,939.44 | 880.40 |
| 33 42 31 00-0182 | EA | 12' Deep, 4' Diameter Precast Catch Basin | 3,476.00 | 1,056.47 |
| 33 42 31 00-0183 | EA | 14' Deep, 4' Diameter Precast Catch Basin | 3,996.43 | 1,232.56 |
| 33 42 31 00-0184 | VLF | Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin | 274.57 | 88.04 |
| **33 42 31 00-0185** | | **5' Diameter Precast Catch Basins** *(33 42 31 00-0152)* | | |
| 33 42 31 00-0186 | EA | 4' Deep, 5' Diameter Precast Catch Basin | 1,814.00 | 469.55 |
| 33 42 31 00-0187 | EA | 6' Deep, 5' Diameter Precast Catch Basin | 2,489.01 | 704.32 |
| 33 42 31 00-0188 | EA | 8' Deep, 5' Diameter Precast Catch Basin | 3,167.49 | 939.09 |
| 33 42 31 00-0189 | EA | 10' Deep, 5' Diameter Precast Catch Basin | 3,875.62 | 1,173.87 |
| 33 42 31 00-0190 | EA | 12' Deep, 5' Diameter Precast Catch Basin | 4,573.88 | 1,408.64 |
| 33 42 31 00-0191 | EA | 14' Deep, 5' Diameter Precast Catch Basin | 5,324.51 | 1,643.41 |
| 33 42 31 00-0192 | VLF | Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin | 365.34 | 117.38 |
| **33 42 31 00-0193** | | **6' Diameter Precast Catch Basins** *(33 42 31 00-0152)* | | |
| 33 42 31 00-0194 | EA | 4' Deep, 6' Diameter Precast Catch Basin | 2,655.87 | 704.32 |
| 33 42 31 00-0195 | EA | 6' Deep, 6' Diameter Precast Catch Basin | 3,609.49 | 1,056.47 |
| 33 42 31 00-0196 | EA | 8' Deep, 6' Diameter Precast Catch Basin | 4,628.03 | 1,408.64 |
| 33 42 31 00-0197 | EA | 10' Deep, 6' Diameter Precast Catch Basin | 5,768.35 | 1,760.80 |
| 33 42 31 00-0198 | EA | 12' Deep, 6' Diameter Precast Catch Basin | 6,875.30 | 2,112.96 |
| 33 42 31 00-0199 | EA | 14' Deep, 6' Diameter Precast Catch Basin | 7,958.06 | 2,465.12 |
| 33 42 31 00-0200 | VLF | Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin | 544.70 | 176.08 |
| **33 42 31 00-0201** | | **Precast Catch Basins Accessories** *(33 42 31 00-0152)* | | |
| 33 42 31 00-0202 | EA | Single Or Double Wing Slab Top With Throat | 1,633.30 | 763.01 |
| 33 42 31 00-0203 | EA | 4' x 4' Weir Box, Precast Catch Basin | 727.08 | 93.91 |
| 33 42 31 00-0204 | EA | 4' Diameter Inlet Round To Square Adapter, Precast Catch Basin | 413.23 | 99.78 |
| 33 42 31 00-0205 | EA | 3' Diameter, Up To 6" High, Precast Extension Ring | 517.15 | 146.73 |
| | | *For Each Additional Inch In Height, Add* | *61.72* | |
| 33 42 31 00-0206 | EA | 4' Diameter, Up To 6" High, Precast Extension Ring | 610.29 | 176.08 |
| | | *For Each Additional Inch In Height, Add* | *72.34* | |
| 33 42 31 00-0207 | EA | 5' Diameter, Up To 6" High, Precast Extension Ring | 711.80 | 205.43 |
| | | *For Each Additional Inch In Height, Add* | *84.43* | |
| 33 42 31 00-0208 | EA | 6' Diameter, Up To 6" High, Precast Extension Ring | 894.42 | 293.46 |
| | | *For Each Additional Inch In Height, Add* | *100.21* | |
| 33 42 31 00-0209 | EA | Adjust Existing Catch Basin Inlet Grate To Match Grade | 704.28 | |
| **33 42 31 00-0210** | | **Catch Basin Risers** *(33 42 31 00-0152)* | | |
| 33 42 31 00-0211 | EA | Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser | 430.51 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 31 00-0212 | EA | >860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser | 480.50 | |
| 33 42 31 00-0213 | EA | >1140 Square Inch, Up To 2" Rise, Catch Basin Riser | 539.94 | |
| 33 42 31 00-0214 | EA | Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser | 463.46 | |
| 33 42 31 00-0215 | EA | >860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser | 516.81 | |
| 33 42 31 00-0216 | EA | >1140 Square Inch, >2" To 3" Rise, Catch Basin Riser | 582.67 | |
| 33 42 31 00-0217 | EA | Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser | 512.63 | |
| 33 42 31 00-0218 | EA | >860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser | 560.02 | |
| 33 42 31 00-0219 | EA | >1140 Square Inch, >3" To 4" Rise, Catch Basin Riser | 626.11 | |
| **33 42 31 00-0220** | | **Cast In Place, Storm Drain Cleanout** *(33 42 31 00-0002)* | | |
| | | Note: Inside span. | | |
| 33 42 31 00-0221 | EA | 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout | 4,882.84 | 825.78 |
| 33 42 31 00-0222 | EA | 6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout | 5,584.05 | 942.38 |
| 33 42 31 00-0223 | EA | 6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout | 6,380.03 | 1,069.50 |
| 33 42 31 00-0224 | EA | 7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout | 7,652.15 | 1,282.99 |
| 33 42 31 00-0225 | EA | 8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout | 9,328.11 | 1,548.93 |
| **33 42 31 00-0226** | | **Precast Concrete Inlet Boxes** *(33 42 31 00-0002)* | | |
| | | Note: Inside dimensions. | | |
| **33 42 31 00-0227** | | **Precast Concrete Inlet Boxes** *(33 42 31 00-0226)* | | |
| **33 42 31 00-0228** | | **24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)* | | |
| | | Note: Yard inlet. | | |
| **33 42 31 00-0229** | | **24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0228)* | | |
| 33 42 31 00-0230 | EA | 24" Height, 24" x 24" ID, Precast Concrete Inlet Box | 865.93 | 82.17 |
| 33 42 31 00-0231 | EA | 30" Height, 24" x 24" ID, Precast Concrete Inlet Box | 1,018.08 | 99.78 |
| 33 42 31 00-0232 | EA | 36" Height, 24" x 24" ID, Precast Concrete Inlet Box | 1,170.23 | 117.38 |
| 33 42 31 00-0233 | EA | 42" Height, 24" x 24" ID, Precast Concrete Inlet Box | 1,323.83 | 135.73 |
| **33 42 31 00-0234** | | **24" x 24" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0228)* | | |
| 33 42 31 00-0235 | EA | 6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser | 216.71 | |
| 33 42 31 00-0236 | EA | 12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser | 351.24 | |
| 33 42 31 00-0237 | EA | 18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser | 497.52 | |
| 33 42 31 00-0238 | EA | 24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser | 643.81 | |
| 33 42 31 00-0239 | EA | 30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser | 790.09 | |
| 33 42 31 00-0240 | EA | 36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser | 936.37 | |
| **33 42 31 00-0241** | | **22" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)* | | |
| **33 42 31 00-0242** | | **22" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0241)* | | |
| 33 42 31 00-0243 | EA | 36" Height, 22" x 48" ID, Precast Concrete Inlet Box | 1,779.11 | 232.15 |
| 33 42 31 00-0244 | EA | 42" Height, 22" x 48" ID, Precast Concrete Inlet Box | 2,001.51 | 268.43 |
| 33 42 31 00-0245 | EA | 48" Height, 22" x 48" ID, Precast Concrete Inlet Box | 2,223.91 | 304.70 |
| 33 42 31 00-0246 | EA | 54" Height, 22" x 48" ID, Precast Concrete Inlet Box | 2,446.48 | 341.06 |
| 33 42 31 00-0247 | EA | 60" Height, 22" x 48" ID, Precast Concrete Inlet Box | 2,669.05 | 377.42 |
| 33 42 31 00-0248 | EA | 66" Height, 22" x 48" ID, Precast Concrete Inlet Box | 2,891.62 | 413.78 |
| 33 42 31 00-0249 | EA | 72" Height, 22" x 48" ID, Precast Concrete Inlet Box | 3,114.19 | 450.14 |
| **33 42 31 00-0250** | | **22" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0241)* | | |
| 33 42 31 00-0251 | EA | 6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser | 424.31 | |
| 33 42 31 00-0252 | EA | 12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser | 684.28 | |
| 33 42 31 00-0253 | EA | 18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser | 743.00 | |
| 33 42 31 00-0254 | EA | 24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser | 951.55 | |
| 33 42 31 00-0255 | EA | 30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser | 1,160.09 | |
| 33 42 31 00-0256 | EA | 36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser | 1,363.40 | |
| 33 42 31 00-0257 | EA | 42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser | 1,585.80 | |
| 33 42 31 00-0258 | EA | 48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser | 1,808.19 | |
| 33 42 31 00-0259 | EA | 54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser | 2,030.76 | |
| 33 42 31 00-0260 | EA | 60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser | 2,253.33 | |
| 33 42 31 00-0261 | EA | 66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser | 2,475.91 | |
| 33 42 31 00-0262 | EA | 72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser | 2,698.48 | |
| **33 42 31 00-0263** | | **30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)* | | |
| **33 42 31 00-0264** | | **30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0263)* | | |
| 33 42 31 00-0265 | EA | 36" Height, 30" x 48" ID, Precast Concrete Inlet Box | 1,716.06 | 255.37 |
| 33 42 31 00-0266 | EA | 42" Height, 30" x 48" ID, Precast Concrete Inlet Box | 1,938.90 | 295.27 |
| 33 42 31 00-0267 | EA | 48" Height, 30" x 48" ID, Precast Concrete Inlet Box | 2,161.72 | 335.17 |
| 33 42 31 00-0268 | EA | 54" Height, 30" x 48" ID, Precast Concrete Inlet Box | 2,384.75 | 375.17 |
| 33 42 31 00-0269 | EA | 60" Height, 30" x 48" ID, Precast Concrete Inlet Box | 2,607.77 | 415.17 |
| 33 42 31 00-0270 | EA | 66" Height, 30" x 48" ID, Precast Concrete Inlet Box | 2,830.80 | 455.16 |
| 33 42 31 00-0271 | EA | 72" Height, 30" x 48" ID, Precast Concrete Inlet Box | 3,053.82 | 495.16 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 42 31 00-0272** | | **30" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0263)* | | |
| 33 42 31 00-0273 | EA | 6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser | 422.32 | |
| 33 42 31 00-0274 | EA | 12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser | 672.83 | |
| 33 42 31 00-0275 | EA | 18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser | 733.22 | |
| 33 42 31 00-0276 | EA | 24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser | 937.77 | |
| 33 42 31 00-0277 | EA | 30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser | 1,142.31 | |
| 33 42 31 00-0278 | EA | 36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser | 1,345.71 | |
| 33 42 31 00-0279 | EA | 42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser | 1,565.35 | |
| 33 42 31 00-0280 | EA | 48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser | 1,783.83 | |
| 33 42 31 00-0281 | EA | 54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser | 2,003.47 | |
| 33 42 31 00-0282 | EA | 60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser | 2,221.94 | |
| 33 42 31 00-0283 | EA | 66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser | 2,441.59 | |
| 33 42 31 00-0284 | EA | 72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser | 2,661.23 | |
| **33 42 31 00-0285** | | **42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)* | | |
| **33 42 31 00-0286** | | **42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0285)* | | |
| 33 42 31 00-0287 | EA | 36" Height, 42" x 48" ID, Precast Concrete Inlet Box | 2,040.71 | 278.59 |
| 33 42 31 00-0288 | EA | 42" Height, 42" x 48" ID, Precast Concrete Inlet Box | 2,302.42 | 323.86 |
| 33 42 31 00-0289 | EA | 48" Height, 42" x 48" ID, Precast Concrete Inlet Box | 2,564.12 | 370.29 |
| 33 42 31 00-0290 | EA | 54" Height, 42" x 48" ID, Precast Concrete Inlet Box | 2,824.66 | 415.56 |
| 33 42 31 00-0291 | EA | 60" Height, 42" x 48" ID, Precast Concrete Inlet Box | 3,086.37 | 461.99 |
| 33 42 31 00-0292 | EA | 66" Height, 42" x 48" ID, Precast Concrete Inlet Box | 3,348.06 | 507.26 |
| 33 42 31 00-0293 | EA | 72" Height, 42" x 48" ID, Precast Concrete Inlet Box | 3,608.60 | 552.53 |
| **33 42 31 00-0294** | | **42" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0285)* | | |
| 33 42 31 00-0295 | EA | 6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser | 466.26 | |
| 33 42 31 00-0296 | EA | 12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser | 758.41 | |
| 33 42 31 00-0297 | EA | 18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser | 820.51 | |
| 33 42 31 00-0298 | EA | 24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser | 1,052.62 | |
| 33 42 31 00-0299 | EA | 30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser | 1,284.72 | |
| 33 42 31 00-0300 | EA | 36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser | 1,516.82 | |
| 33 42 31 00-0301 | EA | 42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser | 1,764.59 | |
| 33 42 31 00-0302 | EA | 48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser | 2,012.36 | |
| 33 42 31 00-0303 | EA | 54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser | 2,260.14 | |
| 33 42 31 00-0304 | EA | 60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser | 2,507.91 | |
| 33 42 31 00-0305 | EA | 66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser | 2,755.69 | |
| 33 42 31 00-0306 | EA | 72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser | 3,003.46 | |
| **33 42 31 00-0307** | | **42" x 48" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0285)* | | |
| 33 42 31 00-0308 | EA | 42" x 48" ID, Precast Concrete Inlet Box Top Slab | 1,157.86 | 174.12 |
| **33 42 31 00-0309** | | **48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)* | | |
| **33 42 31 00-0310** | | **48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0309)* | | |
| 33 42 31 00-0311 | EA | 36" Height, 48" x 54" ID, Precast Concrete Inlet Box | 2,894.40 | 309.54 |
| 33 42 31 00-0312 | EA | 42" Height, 48" x 54" ID, Precast Concrete Inlet Box | 3,244.04 | 360.42 |
| 33 42 31 00-0313 | EA | 48" Height, 48" x 54" ID, Precast Concrete Inlet Box | 3,593.71 | 411.30 |
| 33 42 31 00-0314 | EA | 54" Height, 48" x 54" ID, Precast Concrete Inlet Box | 3,942.98 | 461.99 |
| 33 42 31 00-0315 | EA | 60" Height, 48" x 54" ID, Precast Concrete Inlet Box | 4,292.26 | 512.68 |
| 33 42 31 00-0316 | EA | 66" Height, 48" x 54" ID, Precast Concrete Inlet Box | 4,641.55 | 563.38 |
| 33 42 31 00-0317 | EA | 72" Height, 48" x 54" ID, Precast Concrete Inlet Box | 4,990.82 | 614.08 |
| **33 42 31 00-0318** | | **48" x 54" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0309)* | | |
| 33 42 31 00-0319 | EA | 6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser | 468.44 | |
| 33 42 31 00-0320 | EA | 12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser | 747.29 | |
| 33 42 31 00-0321 | EA | 18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser | 1,091.91 | |
| 33 42 31 00-0322 | EA | 24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser | 1,436.54 | |
| 33 42 31 00-0323 | EA | 30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser | 1,761.82 | |
| 33 42 31 00-0324 | EA | 36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser | 2,106.44 | |
| 33 42 31 00-0325 | EA | 42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser | 2,456.09 | |
| 33 42 31 00-0326 | EA | 48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser | 2,805.75 | |
| 33 42 31 00-0327 | EA | 54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser | 3,155.03 | |
| 33 42 31 00-0328 | EA | 60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser | 3,504.31 | |
| 33 42 31 00-0329 | EA | 66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser | 3,853.59 | |
| 33 42 31 00-0330 | EA | 72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser | 4,202.87 | |
| **33 42 31 00-0331** | | **48" x 54" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0309)* | | |
| 33 42 31 00-0332 | EA | 48" x 54" ID, Precast Concrete Inlet Box Top Slab | 1,258.41 | 188.63 |
| **33 42 31 00-0333** | | **48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)* | | |
| **33 42 31 00-0334** | | **48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0333)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 31 00-0335 | EA | 36" Height, 48" x 66" ID, Precast Concrete Inlet Box | 3,337.06 | 390.02 |
| 33 42 31 00-0336 | EA | 42" Height, 48" x 66" ID, Precast Concrete Inlet Box | 3,721.60 | 455.19 |
| 33 42 31 00-0337 | EA | 48" Height, 48" x 66" ID, Precast Concrete Inlet Box | 4,106.16 | 520.35 |
| 33 42 31 00-0338 | EA | 54" Height, 48" x 66" ID, Precast Concrete Inlet Box | 4,489.99 | 585.15 |
| 33 42 31 00-0339 | EA | 60" Height, 48" x 66" ID, Precast Concrete Inlet Box | 4,873.83 | 649.95 |
| 33 42 31 00-0340 | EA | 66" Height, 48" x 66" ID, Precast Concrete Inlet Box | 5,257.65 | 714.76 |
| 33 42 31 00-0341 | EA | 72" Height, 48" x 66" ID, Precast Concrete Inlet Box | 5,641.49 | 779.56 |
| **33 42 31 00-0342** | | **48" x 66" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0333)* | | |
| 33 42 31 00-0343 | EA | 6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser | 514.24 | |
| 33 42 31 00-0344 | EA | 12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser | 800.97 | |
| 33 42 31 00-0345 | EA | 18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser | 1,185.21 | |
| 33 42 31 00-0346 | EA | 24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser | 1,569.43 | |
| 33 42 31 00-0347 | EA | 30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser | 1,921.16 | |
| 33 42 31 00-0348 | EA | 36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser | 2,305.39 | |
| 33 42 31 00-0349 | EA | 42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser | 2,689.94 | |
| 33 42 31 00-0350 | EA | 48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser | 3,074.49 | |
| 33 42 31 00-0351 | EA | 54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser | 3,458.33 | |
| 33 42 31 00-0352 | EA | 60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser | 3,842.16 | |
| 33 42 31 00-0353 | EA | 66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser | 4,225.99 | |
| 33 42 31 00-0354 | EA | 72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser | 4,609.82 | |
| **33 42 31 00-0355** | | **48" x 66" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0333)* | | |
| 33 42 31 00-0356 | EA | 48" x 66" ID, Precast Concrete Inlet Box Top Slab | 1,399.08 | 211.26 |
| **33 42 31 00-0357** | | **42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)* | | |
| **33 42 31 00-0358** | | **42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0357)* | | |
| 33 42 31 00-0359 | EA | 36" Height, 42" x 102" ID, Precast Concrete Inlet Box | 4,179.82 | 525.83 |
| 33 42 31 00-0360 | EA | 42" Height, 42" x 102" ID, Precast Concrete Inlet Box | 4,666.46 | 612.89 |
| 33 42 31 00-0361 | EA | 48" Height, 42" x 102" ID, Precast Concrete Inlet Box | 5,153.08 | 698.78 |
| 33 42 31 00-0362 | EA | 54" Height, 42" x 102" ID, Precast Concrete Inlet Box | 5,638.55 | 785.84 |
| 33 42 31 00-0363 | EA | 60" Height, 42" x 102" ID, Precast Concrete Inlet Box | 6,125.17 | 871.74 |
| 33 42 31 00-0364 | EA | 66" Height, 42" x 102" ID, Precast Concrete Inlet Box | 6,610.64 | 957.64 |
| 33 42 31 00-0365 | EA | 72" Height, 42" x 102" ID, Precast Concrete Inlet Box | 7,098.43 | 1,044.70 |
| **33 42 31 00-0366** | | **42" x 102" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0357)* | | |
| 33 42 31 00-0367 | EA | 6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser | 688.60 | |
| 33 42 31 00-0368 | EA | 12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser | 1,054.51 | |
| 33 42 31 00-0369 | EA | 18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser | 1,533.02 | |
| 33 42 31 00-0370 | EA | 24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser | 2,011.51 | |
| 33 42 31 00-0371 | EA | 30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser | 2,456.35 | |
| 33 42 31 00-0372 | EA | 36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser | 2,934.86 | |
| 33 42 31 00-0373 | EA | 42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser | 3,421.49 | |
| 33 42 31 00-0374 | EA | 48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser | 3,908.11 | |
| 33 42 31 00-0375 | EA | 54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser | 4,393.58 | |
| 33 42 31 00-0376 | EA | 60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser | 4,880.21 | |
| 33 42 31 00-0377 | EA | 66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser | 5,365.67 | |
| 33 42 31 00-0378 | EA | 72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser | 5,852.31 | |
| **33 42 31 00-0379** | | **42" x 102" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0357)* | | |
| 33 42 31 00-0380 | EA | 42" x 102" ID, Precast Concrete Inlet Box Top Slab | 1,907.49 | 232.15 |
| **33 42 31 00-0381** | | **Frames And Grates For Inlets** *(33 42 31 00-0226)* | | |
| **33 42 31 00-0382** | | **Inlet Frames And Grates** *(33 42 31 00-0381)* | | |
| 33 42 31 00-0383 | EA | 24" x 24", Heavy-Duty Inlet Grate<br>Note: For type A, B, D, or E inlets. | 429.39 | 54.66 |
| 33 42 31 00-0384 | EA | 47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT)<br>Note: For type A, B, D, or E inlets. | 556.64 | 54.66 |
| 33 42 31 00-0385 | EA | 47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT)<br>Note: Includes legend: Dump No Waste "Drains To Waterways". | 556.64 | 54.66 |
| 33 42 31 00-0386 | EA | Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT<br>Note: Legend: Dump No Waste "Drains to Waterways" | 556.64 | 54.66 |
| 33 42 31 00-0387 | EA | Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362) | 609.90 | 54.66 |
| 33 42 31 00-0388 | EA | Type B Inlet Dirt Plate (US Foundry 5217 BK) | 452.94 | 109.31 |
| 33 42 31 00-0389 | EA | Back Plate For Type B Inlets (Campbell Foundry 2548-1942) | 527.49 | 109.31 |
| 33 42 31 00-0390 | EA | Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4)<br>Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways". | 656.71 | 136.64 |
| 33 42 31 00-0391 | EA | 1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT) | 560.85 | 136.64 |
| 33 42 31 00-0392 | EA | 2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT) | 571.50 | 136.64 |
| 33 42 31 00-0393 | EA | 2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT) | 592.80 | 136.64 |
| 33 42 31 00-0394 | EA | 3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT) | 614.10 | 136.64 |
| 33 42 31 00-0395 | EA | 2" Extension Frame For Type A Inlet (General Foundries 6352 EXT) | 592.80 | 136.64 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 31 00-0396 | EA | 2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT) | 614.10 | 136.64 |
| 33 42 31 00-0397 | EA | 3" Extension Frame For Type A Inlet (General Foundries 6352 EXT) | 635.41 | 136.64 |
| 33 42 31 00-0398 | EA | 2" Extension Frame For Type E Inlet (General Foundries 6352 EXT) | 912.32 | 136.64 |
| 33 42 31 00-0399 | EA | 2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT) | 954.93 | 136.64 |
| 33 42 31 00-0400 | EA | 3" Extension Frame For Type E Inlet (General Foundries 6352 EXT) | 997.53 | 136.64 |
| 33 42 31 00-0401 | EA | 2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701) | 678.01 | 136.64 |
| 33 42 31 00-0402 | EA | 6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6) | 614.10 | 136.64 |
| 33 42 31 00-0403 | EA | 8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8) | 614.10 | 136.64 |
| 33 42 31 00-0404 | EA | 6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6) | 1,255.02 | 136.64 |
| 33 42 31 00-0405 | EA | 8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8) | 1,255.02 | 136.64 |
| 33 42 31 00-0406 | EA | Safety Bars For Type B And D Inlets (General Foundries 5218 SB) | 513.63 | 150.30 |
| 33 42 31 00-0407 | EA | 6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648)<br>Note: Includes cam action clamping system and stainless steel badge labeled to center of plate. | 715.99 | 150.30 |
| 33 42 31 00-0408 | EA | 8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848)<br>Note: Includes cam action clamping system and stainless steel badge labeled to center of plate. | 715.99 | 150.30 |
| 33 42 31 00-0409 | EA | 10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048)<br>Note: Includes cam action clamping system and stainless steel badge labeled to center of plate. | 790.54 | 150.30 |
| 33 42 31 00-0410 | EA | Type B Inlet Frame (US Foundry 5216 FRM) | 907.70 | 150.30 |
| 33 42 31 00-0411 | EA | Type D Inlet Frame (US Foundry 2999 FRM) | 779.89 | 150.30 |
| 33 42 31 00-0412 | EA | Type B Inlet Frame (Campbell Foundry 2618-0202) | 1,110.07 | 150.30 |
| 33 42 31 00-0413 | EA | Type D Inlet Frame (Campbell Foundry 2617-0002) | 982.26 | 150.30 |
| 33 42 31 00-0414 | EA | Type A Inlet, Single Frame And Grate (US Foundry 52340) | 1,268.02 | 218.62 |
| 33 42 31 00-0415 | EA | Type E Inlet, Single Frame And Grate (US Foundry 52342) | 2,034.87 | 218.62 |
| 33 42 31 00-0416 | EA | Type A Inlet, Single Frame And Grate (General Foundries 52340) | 1,236.07 | 218.62 |
| 33 42 31 00-0417 | EA | Type E Inlet, Double Frame And Grate (General Foundries 52342) | 1,934.76 | 218.62 |
| 33 42 31 00-0418 | EA | Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340) | 2,072.43 | 327.93 |
| 33 42 31 00-0419 | EA | Heavy-Duty Rectangular Frame And Grate (Campbell Foundry 3084) | 2,130.22 | 437.26 |
| 33 42 31 00-0420 | EA | 6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186) | 2,333.65 | 437.26 |
| 33 42 31 00-0421 | EA | 8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198) | 2,333.65 | 437.26 |
| 33 42 31 00-0422 | EA | 6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266) | 2,067.38 | 437.26 |
| 33 42 31 00-0423 | EA | 8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268) | 2,067.38 | 437.26 |
| 33 42 31 00-0424 | EA | Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198) | 2,418.86 | 437.26 |

## 33 42 31 00-0425 Concrete Drainage Inlet Structures (CALTRANS) *(33 42 31 00-0001)*

## 33 42 31 00-0426 Type OS Concrete Drainage Inlet Structure *(33 42 31 00-0425)*

| | | | | |
|---|---|---|---|---|
| 33 42 31 00-0427 | EA | 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,844.19 | |
| 33 42 31 00-0428 | EA | 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,304.70 | |
| 33 42 31 00-0429 | EA | 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,732.41 | |
| 33 42 31 00-0430 | EA | 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,127.33 | |
| 33 42 31 00-0431 | EA | 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,489.46 | |
| 33 42 31 00-0432 | EA | 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,818.79 | |
| 33 42 31 00-0433 | EA | 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness | 6,556.99 | |
| 33 42 31 00-0434 | EA | 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness | 7,644.61 | |
| 33 42 31 00-0435 | EA | 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness | 8,648.72 | |
| 33 42 31 00-0436 | EA | 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,571.64 | |
| 33 42 31 00-0437 | EA | 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,460.42 | |
| 33 42 31 00-0438 | EA | 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness | 11,277.93 | |
| 33 42 31 00-0439 | EA | 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness | 12,024.15 | |

## 33 42 31 00-0440 Type OL-7 Concrete Drainage Inlet Structure *(33 42 31 00-0425)*

| | | | | |
|---|---|---|---|---|
| 33 42 31 00-0441 | EA | 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,872.95 | |
| 33 42 31 00-0442 | EA | 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,303.48 | |
| 33 42 31 00-0443 | EA | 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,701.21 | |
| 33 42 31 00-0444 | EA | 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,066.17 | |
| 33 42 31 00-0445 | EA | 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,397.14 | |
| 33 42 31 00-0446 | EA | 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,696.50 | |
| 33 42 31 00-0447 | EA | 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 7,383.07 | |
| 33 42 31 00-0448 | EA | 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 8,445.32 | |
| 33 42 31 00-0449 | EA | 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,424.03 | |
| 33 42 31 00-0450 | EA | 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,320.40 | |
| 33 42 31 00-0451 | EA | 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 11,187.24 | |
| 33 42 31 00-0452 | EA | 18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 11,982.80 | |
| 33 42 31 00-0453 | EA | 20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 12,707.07 | |

## 33 42 31 00-0454 Type OL-10 Concrete Drainage Inlet Structure *(33 42 31 00-0425)*

| | | | | |
|---|---|---|---|---|
| 33 42 31 00-0455 | EA | 3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,821.02 | |
| 33 42 31 00-0456 | EA | 4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,224.17 | |
| 33 42 31 00-0457 | EA | 5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,593.37 | |
| 33 42 31 00-0458 | EA | 6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,930.94 | |
| 33 42 31 00-0459 | EA | 7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,234.54 | |
| 33 42 31 00-0460 | EA | 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,505.37 | |
| 33 42 31 00-0461 | EA | 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 8,209.16 | |
| 33 42 31 00-0462 | EA | 10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,244.84 | |
| 33 42 31 00-0463 | EA | 12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,199.34 | |
| 33 42 31 00-0464 | EA | 14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 11,070.35 | |
| 33 42 31 00-0465 | EA | 16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 11,914.06 | |
| 33 42 31 00-0466 | EA | 18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 12,687.66 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 31 00-0467 | EA | 20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 13,388.83 | |
| **33 42 31 00-0468** | | **Type OL-14 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0469 | EA | 3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,172.51 | |
| 33 42 31 00-0470 | EA | 4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,535.28 | |
| 33 42 31 00-0471 | EA | 5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,865.26 | |
| 33 42 31 00-0472 | EA | 6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness | 7,162.44 | |
| 33 42 31 00-0473 | EA | 7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness | 7,426.84 | |
| 33 42 31 00-0474 | EA | 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness | 7,658.43 | |
| 33 42 31 00-0475 | EA | 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,379.43 | |
| 33 42 31 00-0476 | EA | 10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,379.06 | |
| 33 42 31 00-0477 | EA | 12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness | 11,296.35 | |
| 33 42 31 00-0478 | EA | 14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness | 12,131.28 | |
| 33 42 31 00-0479 | EA | 16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness | 12,944.98 | |
| 33 42 31 00-0480 | EA | 18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness | 13,686.24 | |
| 33 42 31 00-0481 | EA | 20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness | 14,356.20 | |
| **33 42 31 00-0482** | | **Type OL-21 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0483 | EA | 3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness | 8,915.85 | |
| 33 42 31 00-0484 | EA | 4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness | 9,198.29 | |
| 33 42 31 00-0485 | EA | 5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness | 9,447.95 | |
| 33 42 31 00-0486 | EA | 6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness | 9,664.82 | |
| 33 42 31 00-0487 | EA | 7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness | 9,847.71 | |
| 33 42 31 00-0488 | EA | 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness | 9,998.98 | |
| 33 42 31 00-0489 | EA | 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness | 11,668.35 | |
| 33 42 31 00-0490 | EA | 10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness | 12,596.96 | |
| 33 42 31 00-0491 | EA | 12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness | 13,443.21 | |
| 33 42 31 00-0492 | EA | 14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness | 14,207.11 | |
| 33 42 31 00-0493 | EA | 16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness | 14,959.29 | |
| 33 42 31 00-0494 | EA | 18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness | 15,639.02 | |
| 33 42 31 00-0495 | EA | 20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness | 16,247.47 | |
| **33 42 31 00-0496** | | **Type GOL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0497 | EA | 3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,699.98 | |
| 33 42 31 00-0498 | EA | 4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,175.22 | |
| 33 42 31 00-0499 | EA | 5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,612.82 | |
| 33 42 31 00-0500 | EA | 6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,012.78 | |
| 33 42 31 00-0501 | EA | 7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,376.26 | |
| 33 42 31 00-0502 | EA | 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,703.28 | |
| 33 42 31 00-0503 | EA | 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 8,536.14 | |
| 33 42 31 00-0504 | EA | 10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,719.22 | |
| 33 42 31 00-0505 | EA | 12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,809.71 | |
| 33 42 31 00-0506 | EA | 14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 11,806.43 | |
| 33 42 31 00-0507 | EA | 16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 12,772.03 | |
| 33 42 31 00-0508 | EA | 18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 13,657.46 | |
| 33 42 31 00-0509 | EA | 20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness | 14,461.53 | |
| **33 42 31 00-0510** | | **Type GOL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0511 | EA | 3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,728.74 | |
| 33 42 31 00-0512 | EA | 4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,172.82 | |
| 33 42 31 00-0513 | EA | 5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,580.45 | |
| 33 42 31 00-0514 | EA | 6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,951.61 | |
| 33 42 31 00-0515 | EA | 7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness | 7,285.12 | |
| 33 42 31 00-0516 | EA | 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness | 7,580.99 | |
| 33 42 31 00-0517 | EA | 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,413.84 | |
| 33 42 31 00-0518 | EA | 10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,569.30 | |
| 33 42 31 00-0519 | EA | 12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 11,632.16 | |
| 33 42 31 00-0520 | EA | 14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 12,602.43 | |
| 33 42 31 00-0521 | EA | 16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 13,544.05 | |
| 33 42 31 00-0522 | EA | 18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 14,405.49 | |
| 33 42 31 00-0523 | EA | 20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness | 15,186.76 | |
| **33 42 31 00-0524** | | **Type G-1 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0525 | EA | 3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness | 1,916.31 | |
| 33 42 31 00-0526 | EA | 4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,291.25 | |
| 33 42 31 00-0527 | EA | 5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,638.72 | |
| 33 42 31 00-0528 | EA | 6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,961.07 | |
| 33 42 31 00-0529 | EA | 7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,258.29 | |
| 33 42 31 00-0530 | EA | 8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,528.04 | |
| **33 42 31 00-0531** | | **Type G-2 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0532 | EA | 3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,642.48 | |
| 33 42 31 00-0533 | EA | 4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,063.92 | |
| 33 42 31 00-0534 | EA | 5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,455.40 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 31 00-0535 | EA | 6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,816.89 | |
| 33 42 31 00-0536 | EA | 7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,148.41 | |
| 33 42 31 00-0537 | EA | 8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,448.78 | |
| 33 42 31 00-0538 | EA | 8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 6,023.49 | |
| 33 42 31 00-0539 | EA | 10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 7,026.95 | |
| 33 42 31 00-0540 | EA | 12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 7,954.69 | |
| 33 42 31 00-0541 | EA | 14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 8,806.74 | |
| 33 42 31 00-0542 | EA | 16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,627.34 | |
| 33 42 31 00-0543 | EA | 18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,382.44 | |
| 33 42 31 00-0544 | EA | 20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 11,070.89 | |
| **33 42 31 00-0545** | | **Type G-3 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0546 | EA | 3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,077.68 | |
| 33 42 31 00-0547 | EA | 4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,447.41 | |
| 33 42 31 00-0548 | EA | 5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,790.85 | |
| 33 42 31 00-0549 | EA | 6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,109.15 | |
| 33 42 31 00-0550 | EA | 7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,400.00 | |
| 33 42 31 00-0551 | EA | 8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,665.72 | |
| **33 42 31 00-0552** | | **Type G-4_24 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0553 | EA | 3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,561.80 | |
| 33 42 31 00-0554 | EA | 4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,985.84 | |
| 33 42 31 00-0555 | EA | 5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,379.92 | |
| 33 42 31 00-0556 | EA | 6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,742.84 | |
| 33 42 31 00-0557 | EA | 7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,076.96 | |
| 33 42 31 00-0558 | EA | 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,379.94 | |
| 33 42 31 00-0559 | EA | 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness | 5,989.07 | |
| 33 42 31 00-0560 | EA | 10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness | 6,994.41 | |
| 33 42 31 00-0561 | EA | 12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness | 7,922.88 | |
| 33 42 31 00-0562 | EA | 14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness | 8,775.64 | |
| 33 42 31 00-0563 | EA | 16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,596.80 | |
| 33 42 31 00-0564 | EA | 18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,352.50 | |
| 33 42 31 00-0565 | EA | 20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness | 11,042.68 | |
| **33 42 31 00-0566** | | **Type G-4_18 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0567 | EA | 3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,642.48 | |
| 33 42 31 00-0568 | EA | 4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,063.92 | |
| 33 42 31 00-0569 | EA | 5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,455.40 | |
| 33 42 31 00-0570 | EA | 6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,816.89 | |
| 33 42 31 00-0571 | EA | 7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,148.41 | |
| 33 42 31 00-0572 | EA | 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,448.78 | |
| 33 42 31 00-0573 | EA | 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness | 6,023.49 | |
| 33 42 31 00-0574 | EA | 10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness | 7,026.95 | |
| 33 42 31 00-0575 | EA | 12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness | 7,954.69 | |
| 33 42 31 00-0576 | EA | 14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness | 8,806.74 | |
| 33 42 31 00-0577 | EA | 16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,627.34 | |
| 33 42 31 00-0578 | EA | 18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,382.44 | |
| 33 42 31 00-0579 | EA | 20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness | 11,070.89 | |
| **33 42 31 00-0580** | | **Type G-5 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0581 | EA | 3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,057.51 | |
| 33 42 31 00-0582 | EA | 4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,427.60 | |
| 33 42 31 00-0583 | EA | 5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,772.57 | |
| 33 42 31 00-0584 | EA | 6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,090.07 | |
| 33 42 31 00-0585 | EA | 7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,382.44 | |
| 33 42 31 00-0586 | EA | 8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,648.50 | |
| **33 42 31 00-0587** | | **Type G-6 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0588 | EA | 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,097.85 | |
| 33 42 31 00-0589 | EA | 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,467.23 | |
| 33 42 31 00-0590 | EA | 5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,810.30 | |
| 33 42 31 00-0591 | EA | 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,127.08 | |
| 33 42 31 00-0592 | EA | 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,417.57 | |
| 33 42 31 00-0593 | EA | 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,682.93 | |
| **33 42 31 00-0594** | | **Type GT1 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0595 | EA | 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,509.86 | |
| 33 42 31 00-0596 | EA | 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,087.87 | |
| 33 42 31 00-0597 | EA | 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,664.35 | |
| 33 42 31 00-0598 | EA | 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,121.10 | |
| 33 42 31 00-0599 | EA | 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,575.16 | |
| 33 42 31 00-0600 | EA | 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,989.07 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **33 42 31 00-0601** | | **Type GT2 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0602 | EA | 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,256.21 | |
| 33 42 31 00-0603 | EA | 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,885.50 | |
| 33 42 31 00-0604 | EA | 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,468.48 | |
| 33 42 31 00-0605 | EA | 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,006.31 | |
| 33 42 31 00-0606 | EA | 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,497.84 | |
| 33 42 31 00-0607 | EA | 8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,944.22 | |
| 33 42 31 00-0608 | EA | 8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,293.38 | |
| 33 42 31 00-0609 | EA | 10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,772.80 | |
| 33 42 31 00-0610 | EA | 12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 12,138.84 | |
| 33 42 31 00-0611 | EA | 14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 13,392.68 | |
| 33 42 31 00-0612 | EA | 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 14,602.11 | |
| 33 42 31 00-0613 | EA | 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 15,713.33 | |
| 33 42 31 00-0614 | EA | 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness | 16,726.34 | |
| **33 42 31 00-0615** | | **Type GT3 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0616 | EA | 3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,489.70 | |
| 33 42 31 00-0617 | EA | 4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,068.06 | |
| 33 42 31 00-0618 | EA | 5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,606.28 | |
| 33 42 31 00-0619 | EA | 6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,103.19 | |
| 33 42 31 00-0620 | EA | 7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,557.59 | |
| 33 42 31 00-0621 | EA | 8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,971.85 | |
| **33 42 31 00-0622** | | **Type GT4 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0623 | EA | 3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,397.41 | |
| 33 42 31 00-0624 | EA | 4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,021.84 | |
| 33 42 31 00-0625 | EA | 5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,601.15 | |
| 33 42 31 00-0626 | EA | 6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,134.14 | |
| 33 42 31 00-0627 | EA | 7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness | 6,621.98 | |
| 33 42 31 00-0628 | EA | 8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness | 7,064.68 | |
| 33 42 31 00-0629 | EA | 8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,310.58 | |
| 33 42 31 00-0630 | EA | 10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,789.63 | |
| 33 42 31 00-0631 | EA | 12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness | 12,155.33 | |
| 33 42 31 00-0632 | EA | 14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness | 13,407.64 | |
| 33 42 31 00-0633 | EA | 16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness | 14,616.78 | |
| 33 42 31 00-0634 | EA | 18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness | 15,727.72 | |
| 33 42 31 00-0635 | EA | 20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness | 16,740.45 | |
| **33 42 31 00-0636** | | **Type GO Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0637 | EA | 3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,501.28 | |
| 33 42 31 00-0638 | EA | 4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness | 2,907.75 | |
| 33 42 31 00-0639 | EA | 5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,284.97 | |
| 33 42 31 00-0640 | EA | 6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,632.94 | |
| 33 42 31 00-0641 | EA | 7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,951.64 | |
| 33 42 31 00-0642 | EA | 8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,242.25 | |
| 33 42 31 00-0643 | EA | 8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness | 5,834.18 | |
| 33 42 31 00-0644 | EA | 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness | 6,807.77 | |
| 33 42 31 00-0645 | EA | 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness | 7,706.08 | |
| 33 42 31 00-0646 | EA | 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness | 8,531.40 | |
| 33 42 31 00-0647 | EA | 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,327.80 | |
| 33 42 31 00-0648 | EA | 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,058.80 | |
| 33 42 31 00-0649 | EA | 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,726.71 | |
| **33 42 31 00-0650** | | **Type GDO Concrete Drainage Inlet Structure** *(33 42 31 00-0425)* | | |
| 33 42 31 00-0651 | EA | 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,267.80 | |
| 33 42 31 00-0652 | EA | 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness | 3,802.11 | |
| 33 42 31 00-0653 | EA | 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,298.13 | |
| 33 42 31 00-0654 | EA | 6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness | 4,757.04 | |
| 33 42 31 00-0655 | EA | 7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,176.48 | |
| 33 42 31 00-0656 | EA | 8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness | 5,558.82 | |
| 33 42 31 00-0657 | EA | 8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness | 7,503.54 | |
| 33 42 31 00-0658 | EA | 10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness | 8,758.38 | |
| 33 42 31 00-0659 | EA | 12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness | 9,917.74 | |
| 33 42 31 00-0660 | EA | 14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness | 10,982.78 | |
| 33 42 31 00-0661 | EA | 16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness | 12,009.06 | |
| 33 42 31 00-0662 | EA | 18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness | 12,952.58 | |
| 33 42 31 00-0663 | EA | 20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness | 13,813.39 | |
| **33 42 31 00-0664** | | **Catch Basin Frames And Covers** *(33 42 31 00-0001)* | | |
| **33 42 31 00-0665** | | **Cast Iron Frames And Covers** *(33 42 31 00-0664)* | | |
| 33 42 31 00-0666 | EA | 18" Diameter Cast Iron Catch Basin Frame And Cover | 1,115.80 | 117.38 |
| 33 42 31 00-0667 | EA | 22" Diameter Cast Iron Catch Basin Frame And Cover | 1,420.53 | 132.65 |
| 33 42 31 00-0668 | EA | 24" Diameter Cast Iron Catch Basin Frame And Cover | 1,616.28 | 137.34 |
| 33 42 31 00-0669 | EA | 26" Diameter Cast Iron Catch Basin Frame And Cover | 1,824.69 | 159.65 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 31 00-0670 | EA | 28" Diameter Cast Iron Catch Basin Frame And Cover | 2,150.14 | 181.94 |
| 33 42 31 00-0671 | EA | 32" Diameter Cast Iron Catch Basin Frame And Cover | 3,468.37 | 190.16 |
| 33 42 31 00-0672 | EA | 16" x 16" Cast Iron Catch Basin Frame And Cover | 1,865.36 | 144.39 |
| 33 42 31 00-0673 | EA | 18" x 24" Cast Iron Catch Basin Frame And Cover | 2,444.09 | 166.69 |
| 33 42 31 00-0674 | EA | 20" x 27" Cast Iron Catch Basin Frame And Cover | 2,771.63 | 173.73 |
| 33 42 31 00-0675 | EA | 23" x 23" Cast Iron Catch Basin Frame And Cover | 2,613.66 | 173.73 |
| 33 42 31 00-0676 | EA | 24" x 24" Cast Iron Catch Basin Frame And Cover | 2,700.62 | 180.78 |
| 33 42 31 00-0677 | EA | 26" x 26" Cast Iron Catch Basin Frame And Cover | 2,903.43 | 187.82 |
| 33 42 31 00-0678 | EA | 24" x 36" Cast Iron Catch Basin Frame And Cover | 3,503.13 | 201.91 |

### 33 42 31 00-0679 Area Yard Drain *(33 42 31 00-0001)*

See CSI section 22 14 26 16-0001 for drains.

### 33 42 31 00-0680 Ductile Iron Grates *(33 42 31 00-0679)*

Note: Not for traffic loading.

| | | | | |
|---|---|---|---|---|
| 33 42 31 00-0681 | EA | 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe | 168.31 | 39.83 |
| 33 42 31 00-0682 | EA | 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe | 206.25 | 42.49 |
| 33 42 31 00-0683 | EA | 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe | 479.28 | 53.11 |
| 33 42 31 00-0684 | EA | 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe | 572.69 | 63.73 |

## 33 42 33 Stormwater Curbside Drains and Inlets *(33 42)*

### 33 42 33 00-0001 Curb Inlet Frames And Covers *(33 42 33)*

### 33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers *(33 42 33 00-0001)*

| | | | | |
|---|---|---|---|---|
| 33 42 33 00-0003 | EA | 20" x 22" Cast Iron Curb Inlet Frame And Cover | 2,341.53 | 137.34 |
| 33 42 33 00-0004 | EA | 22" x 24" Cast Iron Curb Inlet Frame And Cover | 2,501.87 | 159.65 |
| 33 42 33 00-0005 | EA | 24" x 24" Cast Iron Curb Inlet Frame And Cover | 2,605.36 | 159.65 |
| 33 42 33 00-0006 | EA | 27" x 27" Cast Iron Curb Inlet Frame And Cover | 2,852.59 | 187.82 |
| 33 42 33 00-0007 | EA | 36" x 24" Cast Iron Curb Inlet Frame And Cover | 2,816.92 | 200.73 |

## 33 42 36 Stormwater Trench Drains *(33 42)*

### 33 42 36 00-0001 Modular Trench Drains *(33 42 36)*

See CSI section 03 31 13 00-0011 for concrete.

### 33 42 36 00-0002 Modular Trench Drains *(33 42 36 00-0001)*

Note: Excludes grates. See CSI section 33 42 36 00-0120 for grates.

### 33 42 36 00-0003 4" Wide, Modular Trench Drains *(33 42 36 00-0002)*

### 33 42 36 00-0004 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0003)*

### 33 42 36 00-0005 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*

| | | | | |
|---|---|---|---|---|
| 33 42 36 00-0006 | LF | 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain (Zurn Z844-C) | 71.84 | 18.78 |
| | | *For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add* | *109.19* | |
| | | *For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add* | *218.38* | |
| | | *For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add* | *349.41* | |
| | | *For Type 304 Stainless Steel Top Veneer Frame, Add* | *87.35* | |
| | | *For Aluminum Veneer Bronze Anodized Frame, Add* | *43.68* | |

### 33 42 36 00-0007 Outlet Adapters For 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*

| | | | | |
|---|---|---|---|---|
| 33 42 36 00-0008 | EA | Closed End Cap For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain | 54.45 | |
| 33 42 36 00-0009 | EA | No-Hub End Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain | 66.19 | |
| 33 42 36 00-0010 | EA | No-Hub Bottom Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain | 66.19 | |

### 33 42 36 00-0011 6" Wide, Modular Trench Drains *(33 42 36 00-0002)*

### 33 42 36 00-0012 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0011)*

### 33 42 36 00-0013 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*

| | | | | |
|---|---|---|---|---|
| 33 42 36 00-0014 | LF | 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain | 224.35 | 18.78 |
| | | *For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add* | *109.19* | |
| | | *For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add* | *218.38* | |
| | | *For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add* | *349.41* | |
| | | *For Type 304 Stainless Steel Top Veneer Frame, Add* | *87.35* | |
| | | *For Aluminum Veneer Bronze Anodized Frame, Add* | *43.68* | |

### 33 42 36 00-0015 Outlet Adapters For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*

| | | | | |
|---|---|---|---|---|
| 33 42 36 00-0016 | EA | Closed End Cap For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 102.09 | |
| 33 42 36 00-0017 | EA | No-Hub End Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 113.83 | |
| 33 42 36 00-0018 | EA | No-Hub Bottom Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 113.83 | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 36 00-0019 | | Other Fittings For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)* | | |
| 33 42 36 00-0020 | EA | Bottom Dome Strainer For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 196.68 | |
| 33 42 36 00-0021 | EA | Joint Connector For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 196.68 | |
| 33 42 36 00-0022 | EA | 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 932.22 | |
| 33 42 36 00-0023 | EA | Cross For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 1,805.74 | |
| 33 42 36 00-0024 | EA | Cutting Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 218.38 | |
| 33 42 36 00-0025 | | 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0011)* | | |
| 33 42 36 00-0026 | | 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)* | | |
| 33 42 36 00-0027 | LF | 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain | 326.99 | 18.78 |
| | | *For Black Acid Resistant Coated Frame, Add* | *82.98* | |
| | | *For Galvanized Top Frame Assembly, Add* | *82.98* | |
| | | *For Type 304 Stainless Steel Top Frame Assembly, Add* | *305.73* | |
| 33 42 36 00-0028 | | Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)* | | |
| 33 42 36 00-0029 | EA | Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 110.82 | |
| 33 42 36 00-0030 | EA | No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 122.56 | |
| 33 42 36 00-0031 | EA | No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 122.56 | |
| 33 42 36 00-0032 | | Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)* | | |
| 33 42 36 00-0033 | EA | Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 196.68 | |
| 33 42 36 00-0034 | EA | Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 196.68 | |
| 33 42 36 00-0035 | EA | 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 932.22 | |
| 33 42 36 00-0036 | EA | Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 1,805.74 | |
| 33 42 36 00-0037 | EA | Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 218.38 | |
| 33 42 36 00-0038 | | 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0011)* | | |
| 33 42 36 00-0039 | | 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)* | | |
| 33 42 36 00-0040 | LF | 6" Wide, Vinylester Fiberglass, Modular Trench Drain | 423.08 | 18.78 |
| | | *For Black Acid Resistant Coated Frame, Add* | *82.98* | |
| | | *For Galvanized Top Frame Assembly, Add* | *82.98* | |
| | | *For Type 304 Stainless Steel Top Frame Assembly, Add* | *305.73* | |
| 33 42 36 00-0041 | | Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)* | | |
| 33 42 36 00-0042 | EA | Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains | 180.70 | |
| 33 42 36 00-0043 | EA | No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains | 192.44 | |
| 33 42 36 00-0044 | EA | No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains | 192.44 | |
| 33 42 36 00-0045 | | Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)* | | |
| 33 42 36 00-0046 | EA | Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains | 196.68 | |
| 33 42 36 00-0047 | EA | Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains | 196.68 | |
| 33 42 36 00-0048 | EA | 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains | 932.22 | |
| 33 42 36 00-0049 | EA | Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains | 1,805.74 | |
| 33 42 36 00-0050 | EA | Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains | 218.38 | |
| 33 42 36 00-0051 | | 6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0011)* | | |
| 33 42 36 00-0052 | | 6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0051)* | | |
| 33 42 36 00-0053 | LF | 6" Wide, Polymer Concrete, Modular Trench Drain | 494.33 | |
| 33 42 36 00-0054 | | Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0051)* | | |
| 33 42 36 00-0055 | EA | Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain | 196.10 | |
| 33 42 36 00-0056 | EA | No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain | 239.00 | |
| 33 42 36 00-0057 | EA | No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain | 75.97 | |
| 33 42 36 00-0058 | | 6" Wide, Stainless Steel, Modular Trench Drains *(33 42 36 00-0011)* Note: with temper-proof fasteners | | |
| 33 42 36 00-0059 | LF | 6" Wide, Stainless Steel, Modular Trench Drain (JR Smith SP-S9660-10) | 1,105.03 | |
| 33 42 36 00-0060 | | 12" Wide, Modular Trench Drains *(33 42 36 00-0002)* | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 36 00-0061 | | 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0060)* | | |
| 33 42 36 00-0062 | | 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0061)* | | |
| 33 42 36 00-0063 | LF | 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain | 422.90 | 25.83 |
| | | *For Acid Resistant Coated Top Frame, Add* | *113.56* | |
| | | *For Galvanized Welded Frame Assembly, Add* | *119.02* | |
| | | *For Type 304 Stainless Steel Top Frame, Add* | *681.35* | |
| 33 42 36 00-0064 | | Outlet Adapters For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0061)* | | |
| 33 42 36 00-0065 | EA | End Cap For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 210.38 | |
| 33 42 36 00-0066 | EA | No-Hub End Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 226.03 | |
| 33 42 36 00-0067 | EA | No-Hub Bottom Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 226.03 | |
| 33 42 36 00-0068 | | Other Fittings For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0061)* | | |
| 33 42 36 00-0069 | EA | Bottom Dome Strainer For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 351.65 | |
| 33 42 36 00-0070 | EA | Joint Connector For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 460.84 | |
| 33 42 36 00-0071 | EA | 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 1,837.33 | |
| 33 42 36 00-0072 | EA | Cross For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 3,584.37 | |
| 33 42 36 00-0073 | EA | Cutting Charges For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 436.76 | |
| 33 42 36 00-0074 | | 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0060)* | | |
| 33 42 36 00-0075 | | 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0074)* | | |
| 33 42 36 00-0076 | LF | 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain | 532.09 | 25.83 |
| | | *For Acid Resistant Coated Top Frame, Add* | *113.56* | |
| | | *For Galvanized Welded Frame Assembly, Add* | *119.02* | |
| | | *For Type 304 Stainless Steel Top Frame, Add* | *681.35* | |
| 33 42 36 00-0077 | | Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0074)* | | |
| 33 42 36 00-0078 | EA | End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 219.12 | |
| 33 42 36 00-0079 | EA | No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 234.77 | |
| 33 42 36 00-0080 | EA | No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 234.77 | |
| 33 42 36 00-0081 | | Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0074)* | | |
| 33 42 36 00-0082 | EA | Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 351.65 | |
| 33 42 36 00-0083 | EA | Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 460.84 | |
| 33 42 36 00-0084 | EA | 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 1,837.33 | |
| 33 42 36 00-0085 | EA | Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 3,584.37 | |
| 33 42 36 00-0086 | EA | Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains | 436.76 | |
| 33 42 36 00-0087 | | 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0060)* | | |
| 33 42 36 00-0088 | | 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0087)* | | |
| 33 42 36 00-0089 | LF | 12" Wide, Vinylester Fiberglass, Modular Trench Drain | 750.47 | 25.83 |
| | | *For Acid Resistant Coated Top Frame, Add* | *113.56* | |
| | | *For Galvanized Welded Frame Assembly, Add* | *119.02* | |
| | | *For Type 304 Stainless Steel Top Frame, Add* | *681.35* | |
| 33 42 36 00-0090 | | Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0087)* | | |
| 33 42 36 00-0091 | EA | End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains | 546.69 | |
| 33 42 36 00-0092 | EA | No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains | 562.34 | |
| 33 42 36 00-0093 | EA | No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains | 562.34 | |
| 33 42 36 00-0094 | | Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0087)* | | |
| 33 42 36 00-0095 | EA | Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains | 351.65 | |
| 33 42 36 00-0096 | EA | Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains | 460.84 | |
| 33 42 36 00-0097 | EA | 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains | 1,837.33 | |
| 33 42 36 00-0098 | EA | Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains | 3,584.37 | |
| 33 42 36 00-0099 | EA | Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains | 436.76 | |
| 33 42 36 00-0100 | | 12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0060)* | | |
| 33 42 36 00-0101 | | 12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0100)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 36 00-0102 | LF | 12" Wide, Polymer Concrete, Modular Trench Drain | 663.01 | |
| **33 42 36 00-0103** | | **Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0100)* | | |
| 33 42 36 00-0104 | EA | Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain | 333.47 | |
| 33 42 36 00-0105 | EA | No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain | 574.46 | |
| 33 42 36 00-0106 | EA | No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain | 133.17 | |
| **33 42 36 00-0107** | | **23" Wide, Modular Trench Drains** *(33 42 36 00-0002)* | | |
| **33 42 36 00-0108** | | **23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0107)* | | |
| **33 42 36 00-0109** | | **23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0108)* | | |
| 33 42 36 00-0110 | LF | 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain | 592.97 | 35.21 |
| | | *For Acid Resistant Coated Frame, Add* | *170.34* | |
| | | *For Galvanized Frame Assembly, Add* | *170.34* | |
| | | *For Type 304 Stainless Steel Top Frame, Add* | *1,048.22* | |
| **33 42 36 00-0111** | | **Outlet Adapters For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0108)* | | |
| 33 42 36 00-0112 | EA | End Cap For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 670.67 | |
| 33 42 36 00-0113 | EA | No-Hub End Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 977.86 | |
| 33 42 36 00-0114 | EA | No-Hub Bottom Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 977.86 | |
| **33 42 36 00-0115** | | **Other Fittings For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0108)* | | |
| 33 42 36 00-0116 | EA | Bottom Dome Strainer For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 799.54 | |
| 33 42 36 00-0117 | EA | 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 3,640.80 | |
| 33 42 36 00-0118 | EA | Cross For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 7,134.88 | |
| 33 42 36 00-0119 | EA | Cutting Charges For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains | 873.52 | |
| **33 42 36 00-0120** | | **Modular Trench Drain Grates** *(33 42 36 00-0001)* | | |
| **33 42 36 00-0121** | | **4" Wide, Modular Trench Drain Grates** *(33 42 36 00-0120)* | | |
| 33 42 36 00-0122 | LF | 4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP) | 45.37 | 3.52 |
| 33 42 36 00-0123 | LF | 4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG) | 47.70 | 3.52 |
| 33 42 36 00-0124 | LF | 4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG) | 38.40 | 3.52 |
| 33 42 36 00-0125 | LF | 4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS) | 102.31 | 3.52 |
| 33 42 36 00-0126 | LF | 4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG) | 38.40 | 3.52 |
| 33 42 36 00-0127 | LF | 4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS) | 102.31 | 3.52 |
| **33 42 36 00-0128** | | **6" Wide, Modular Trench Drain Grates** *(33 42 36 00-0120)* | | |
| 33 42 36 00-0129 | LF | 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate | 215.51 | 3.52 |
| 33 42 36 00-0130 | LF | 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate | 182.54 | 3.52 |
| 33 42 36 00-0131 | LF | 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate | 191.71 | 3.52 |
| 33 42 36 00-0132 | LF | 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate | 167.47 | 3.52 |
| 33 42 36 00-0133 | LF | 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate | 180.57 | 3.52 |
| 33 42 36 00-0134 | LF | 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate | 182.76 | 3.52 |
| 33 42 36 00-0135 | LF | 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate | 182.76 | 3.52 |
| 33 42 36 00-0136 | LF | 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate | 180.57 | 3.52 |
| 33 42 36 00-0137 | LF | 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate | 158.74 | 3.52 |
| 33 42 36 00-0138 | LF | 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate | 158.74 | 3.52 |
| 33 42 36 00-0139 | LF | 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate | 168.78 | 3.52 |
| 33 42 36 00-0140 | LF | 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate | 168.78 | 3.52 |
| 33 42 36 00-0141 | LF | 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate | 219.88 | 3.52 |
| 33 42 36 00-0142 | LF | 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate | 219.88 | 3.52 |
| 33 42 36 00-0143 | LF | 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate | 403.32 | 3.52 |
| 33 42 36 00-0144 | LF | 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate | 403.32 | 3.52 |
| 33 42 36 00-0145 | LF | 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate | 1,123.98 | 3.52 |
| 33 42 36 00-0146 | LF | 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate | 150.00 | 3.52 |
| 33 42 36 00-0147 | LF | 6" Wide, Fiberglass, Modular Trench Drain Grate | 324.70 | 3.52 |
| **33 42 36 00-0148** | | **12" Wide, Modular Trench Drain Grates** *(33 42 36 00-0120)* | | |
| 33 42 36 00-0149 | LF | 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate | 596.09 | 3.82 |
| 33 42 36 00-0150 | LF | 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate | 569.88 | 3.82 |
| 33 42 36 00-0151 | LF | 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate | 495.63 | 3.82 |
| 33 42 36 00-0152 | LF | 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate | 520.74 | 3.82 |
| 33 42 36 00-0153 | LF | 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate | 449.77 | 3.82 |
| 33 42 36 00-0154 | LF | 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate | 881.07 | 3.82 |
| 33 42 36 00-0155 | LF | 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate | 881.07 | 3.82 |
| 33 42 36 00-0156 | LF | 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate | 1,124.57 | 3.82 |
| 33 42 36 00-0157 | LF | 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate | 1,124.57 | 3.82 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 42 36 00-0158 | LF | 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate | 1,435.76 | 3.82 |
| 33 42 36 00-0159 | LF | 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate | 1,435.76 | 3.82 |
| 33 42 36 00-0160 | LF | 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate | 1,362.60 | 3.82 |
| 33 42 36 00-0161 | LF | 12" Wide, Fiberglass, Modular Trench Drain Grate | 643.04 | 3.82 |
| 33 42 36 00-0162 | | 23" Wide, Modular Trench Drain Grates *(33 42 36 00-0120)* | | |
| 33 42 36 00-0163 | LF | 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate | 941.71 | 4.10 |
| 33 42 36 00-0164 | LF | 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate | 793.21 | 4.10 |
| 33 42 36 00-0165 | LF | 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate | 1,229.97 | 4.10 |
| 33 42 36 00-0166 | LF | 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate | 911.13 | 4.10 |

## 33 44 Storm Utility Water Drains *(33 40)*

### 33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 Oil/Water Separator *(33 44 36)*

Note: Complete with internal sensors and detectors.

33 44 36 00-0002 Coalescing Oil Water Separator *(33 44 36 00-0001)*

Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

| | | | |
|---|---|---|---|
| 33 44 36 00-0004 | EA | 550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways<br>Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank. | 19,595.79 |
| | | *For Interior Polyurethane Coating, Add* | *711.00* |
| 33 44 36 00-0005 | EA | 1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways<br>Note: HTC-G 1000. 4' diameter x 14' long tank. | 23,970.99 |
| | | *For Interior Polyurethane Coating, Add* | *893.70* |
| 33 44 36 00-0006 | EA | 2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways<br>Note: HTC-G 2000. 5'-4" diameter x 15' long tank. | 28,701.29 |
| | | *For Interior Polyurethane Coating, Add* | *1,340.10* |

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

| | | | |
|---|---|---|---|
| 33 44 36 00-0008 | EA | 550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways<br>Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank. | 30,425.12 |
| | | *For Interior Polyurethane Coating, Add* | *711.00* |
| 33 44 36 00-0009 | EA | 1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways<br>Note: HTC-G 1000. 4' diameter x 14' long tank. | 34,991.03 |
| | | *For Interior Polyurethane Coating, Add* | *893.70* |
| 33 44 36 00-0010 | EA | 2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways<br>Note: HTC-G 2000. 5'-4" diameter x 15' long tank. | 42,725.95 |
| | | *For Interior Polyurethane Coating, Add* | *1,340.10* |
| 33 44 36 00-0011 | EA | 3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways<br>Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank. | 49,725.89 |
| | | *For Interior Polyurethane Coating, Add* | *1,550.70* |
| 33 44 36 00-0012 | EA | 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways<br>Note: HTC-G 5000. 6' diameter x 28'-8" long tank. | 66,010.71 |
| | | *For Interior Polyurethane Coating, Add* | *2,057.80* |

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators *(33 44 36 00-0002)*

| | | | |
|---|---|---|---|
| 33 44 36 00-0014 | EA | Single Channel Alarm Panel For Coalescing Oil Water Separator<br>Note: HTAP1. | 1,216.12 |
| 33 44 36 00-0015 | EA | Two Channel Alarm Panel For Coalescing Oil Water Separator<br>Note: HTAP2. | 1,654.03 |
| 33 44 36 00-0016 | EA | Float Interface Sensor For Coalescing Oil Water Separator<br>Note: Required for UL 2215 label. | 982.94 |
| 33 44 36 00-0017 | EA | 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator<br>Note: Required for UL 2215 label. | 725.88 |
| 33 44 36 00-0018 | EA | Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator<br>Note: Required for UL 2215 label. | 243.89 |
| 33 44 36 00-0019 | EA | 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator | 4,153.77 |
| 33 44 36 00-0020 | EA | 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator | 8,307.53 |
| 33 44 36 00-0021 | EA | 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator | 12,461.38 |
| 33 44 36 00-0022 | EA | 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator | 744.90 |
| 33 44 36 00-0023 | EA | 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator | 882.00 |
| 33 44 36 00-0024 | EA | 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator | 1,764.01 |
| 33 44 36 00-0025 | EA | 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator | 3,931.33 |
| 33 44 36 00-0026 | EA | 30" Diameter Grade Level Manway For Coalescing Oil Water Separator<br>Note: Required when installed in paved areas. | 1,066.23 |
| 33 44 36 00-0027 | EA | 36" Diameter Grade Level Manway For Coalescing Oil Water Separator<br>Note: Required when installed in paved areas. | 1,391.77 |
| 33 44 36 00-0028 | EA | 48" Diameter Grade Level Manway For Coalescing Oil Water Separator<br>Note: Required when installed in paved areas. | 1,931.52 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 44 36 00-0029 | EA | 54" x 54" Grade Level Manway For Coalescing Oil Water Separator<br>Note: Required when installed in paved areas. | 3,533.88 | |
| 33 44 36 00-0030 | EA | 66" x 54" Grade Level Manway For Coalescing Oil Water Separator<br>Note: Required when installed in paved areas. | 4,549.27 | |
| 33 44 36 00-0031 | EA | 66" x 66" Grade Level Manway For Coalescing Oil Water Separator<br>Note: Required when installed in paved areas. | 5,714.61 | |
| 33 44 36 00-0032 | EA | 78" x 66" Grade Level Manway For Coalescing Oil Water Separator<br>Note: Required when installed in paved areas. | 7,209.86 | |
| 33 44 36 00-0033 | EA | 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator | 1,428.83 | |
| 33 44 36 00-0034 | EA | 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator | 1,741.59 | |
| 33 44 36 00-0035 | EA | 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator | 2,735.56 | |
| 33 44 36 00-0036 | EA | 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator | 1,362.43 | |
| 33 44 36 00-0037 | EA | 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator | 1,653.76 | |
| 33 44 36 00-0038 | EA | 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator | 1,962.24 | |
| 33 44 36 00-0039 | EA | 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator | 115.68 | |
| 33 44 36 00-0040 | EA | 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator | 130.67 | |

### 33 44 36 00-0041 Oil Skimmers *(33 44 36)*

### 33 44 36 00-0042 Oil Skimmers, 12" And 24" Models *(33 44 36 00-0041)*

| | | | | |
|---|---|---|---|---|
| 33 44 36 00-0043 | EA | Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase | 5,142.82 | 646.85 |
| 33 44 36 00-0044 | EA | Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase | 5,378.62 | 646.85 |
| 33 44 36 00-0045 | EA | Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase | 5,164.66 | 646.85 |
| 33 44 36 00-0046 | EA | Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase | 5,467.04 | 646.85 |
| 33 44 36 00-0047 | EA | Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase | 5,412.46 | 646.85 |
| 33 44 36 00-0048 | EA | Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase | 5,612.23 | 646.85 |
| 33 44 36 00-0049 | EA | Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase | 5,463.76 | 646.85 |
| 33 44 36 00-0050 | EA | Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase | 5,765.06 | 646.85 |
| 33 44 36 00-0051 | EA | Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase | 5,827.58 | 862.65 |
| 33 44 36 00-0052 | EA | Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase | 6,079.75 | 862.65 |
| 33 44 36 00-0053 | EA | Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase | 5,894.17 | 862.65 |
| 33 44 36 00-0054 | EA | Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase | 6,256.60 | 862.65 |
| 33 44 36 00-0055 | EA | Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase | 6,465.10 | 862.65 |
| 33 44 36 00-0056 | EA | Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase | 6,717.27 | 862.65 |
| 33 44 36 00-0057 | EA | Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase | 6,518.59 | 862.65 |
| 33 44 36 00-0058 | EA | Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase | 6,882.11 | 862.65 |

### 33 44 36 00-0059 Oil Skimmers, Add-Ons *(33 44 36 00-0041)*

| | | | |
|---|---|---|---|
| 33 44 36 00-0060 | LF | Add For Belt Projection, 12" Width | 16.37 |
| 33 44 36 00-0061 | LF | Add For Belt Projection, 24" Width | 30.57 |
| 33 44 36 00-0062 | LF | Add For Spacer Stands, 12" Models | 269.35 |
| 33 44 36 00-0063 | LF | Add For Spacer Stands, 24" Models | 317.38 |

## 33 46 Stormwater Management *(33 40)*

### 33 46 23 Modular Buried Stormwater Storage Units *(33 46)*

### 33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) *(33 46 23)*

Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

### 33 46 23 00-0002 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) *(33 46 23 00-0001)*

| | | | |
|---|---|---|---|
| 33 46 23 00-0003 | EA | Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) | 336.47 |
| 33 46 23 00-0004 | EA | >10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) | 308.94 |
| 33 46 23 00-0005 | EA | >20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) | 289.48 |
| 33 46 23 00-0006 | EA | >30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) | 271.61 |
| 33 46 23 00-0007 | EA | Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) | 188.54 |
| 33 46 23 00-0008 | EA | >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) | 168.40 |
| 33 46 23 00-0009 | EA | >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) | 155.94 |
| 33 46 23 00-0010 | EA | >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) | 144.75 |

### 33 46 23 00-0011 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) *(33 46 23 00-0001)*

| | | | |
|---|---|---|---|
| 33 46 23 00-0012 | EA | Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) | 596.47 |
| 33 46 23 00-0013 | EA | >10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) | 551.61 |
| 33 46 23 00-0014 | EA | >20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) | 518.68 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 46 23 00-0015 | EA | >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) | 486.84 | |
| 33 46 23 00-0016 | EA | Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) | 242.02 | |
| 33 46 23 00-0017 | EA | >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) | 214.88 | |
| 33 46 23 00-0018 | EA | >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) | 198.79 | |
| 33 46 23 00-0019 | EA | >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) | 182.95 | |
| 33 46 23 00-0020 | | 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) *(33 46 23 00-0001)* | | |
| 33 46 23 00-0021 | EA | Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) | 1,021.78 | |
| 33 46 23 00-0022 | EA | >10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) | 953.80 | |
| 33 46 23 00-0023 | EA | >20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) | 898.72 | |
| 33 46 23 00-0024 | EA | >30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) | 848.43 | |
| 33 46 23 00-0025 | EA | Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) | 858.72 | |
| 33 46 23 00-0026 | EA | >10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) | 798.87 | |
| 33 46 23 00-0027 | EA | >20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) | 751.55 | |
| 33 46 23 00-0028 | EA | >30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) | 708.61 | |
| 33 46 23 00-0029 | | 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) *(33 46 23 00-0001)* | | |
| 33 46 23 00-0030 | EA | Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) | 619.85 | |
| 33 46 23 00-0031 | EA | >10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) | 573.84 | |
| 33 46 23 00-0032 | EA | >20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) | 539.79 | |
| 33 46 23 00-0033 | EA | >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) | 506.88 | |
| 33 46 23 00-0034 | EA | Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) | 242.02 | |
| 33 46 23 00-0035 | EA | >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) | 210.46 | |
| 33 46 23 00-0036 | EA | >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) | 198.79 | |
| 33 46 23 00-0037 | EA | >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) | 182.95 | |
| 33 46 23 00-0038 | | 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) *(33 46 23 00-0001)* | | |
| 33 46 23 00-0039 | EA | Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) | 1,061.24 | |
| 33 46 23 00-0040 | EA | >10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) | 989.42 | |
| 33 46 23 00-0041 | EA | >20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) | 930.55 | |
| 33 46 23 00-0042 | EA | >30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) | 879.19 | |
| 33 46 23 00-0043 | EA | Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500) | 1,325.24 | |
| 33 46 23 00-0044 | EA | >10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500) | 1,240.21 | |
| 33 46 23 00-0045 | EA | >20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500) | 1,168.81 | |
| 33 46 23 00-0046 | EA | >30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500) | 1,105.54 | |
| 33 46 23 00-0047 | | Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers *(33 46 23 00-0001)* | | |
| 33 46 23 00-0048 | EA | Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap | 77.18 | |
| 33 46 23 00-0049 | EA | Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap | 100.95 | |
| 33 46 23 00-0050 | EA | Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap | 127.52 | |
| 33 46 23 00-0051 | EA | 12" x 6" Inspection Port Kit<br>Note: (2712AG6IPKIT) | 754.48 | |
| 33 46 23 00-0052 | EA | Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap | 60.86 | |
| 33 46 23 00-0053 | | Steel Reinforced Polyethylene (SRPE) Pipe Stormwater Detention System (DuroMaxx®) *(33 46 23)*<br>Note: Includes delivery to site, cutting, welding, bracing and placement in excavated area. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, and geotextile fabrics. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric. | | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 46 23 00-0054 | EA | 120" Diameter x 25' Long, Steel Reinforced Polyethylene (SRPE) Stormwater Detention Pipe<br>Note: Includes two bulkheads, one 36" riser, 12" stub. | 64,730.06 | |

### 33 46 23 00-0055 Steel Reinforced Polyethylene (SRPE) Pipe Stormwater Detention System (DuroMaxx®) *(33 46 23)*

Note: Includes delivery to site, cutting, welding, bracing and placement in excavated area. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, and geotextile fabrics. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

| | | | | |
|---|---|---|---|---|
| 33 46 23 00-0056 | EA | 54" Diameter x 100' Long x 5 Sections, Steel Reinforced Polyethylene (SRPE) Stormwater Detention Pipe System<br>Note: Includes fabircated manifold, five bulkheads, five 36" riser, 12" stub and 18" stubs. DuroMaxx Welded Coupler (WC) joints and air testing of the system upon completion of joint welding | 421,267.84 | |
| 33 46 23 00-0057 | EA | 54" Diameter x 160' Long x 5 Sections, Steel Reinforced Polyethylene (SRPE) Stormwater Detention Pipe System<br>Note: Includes fabircated manifold, five bulkheads, five 36" riser, 12" stub and 18" stubs. DuroMaxx Welded Coupler (WC) joints and air testing of the system upon completion of joint welding | 570,396.43 | |

## 33 46 53 Stormwater Leaching Pits *(33 46)*

### 33 46 53 00-0001 Drainage Wells *(33 46 53)*

Note: Includes augering hole.

| | | | | |
|---|---|---|---|---|
| 33 46 53 00-0002 | LF | 12" Diameter Drainage Well With Corrugated Metal Liner | 34.40 | |
| 33 46 53 00-0003 | LF | 18" Diameter Drainage Well With Corrugated Metal Liner | 42.15 | |
| 33 46 53 00-0004 | LF | 24" Diameter Drainage Well With Corrugated Metal Liner | 56.61 | |

### 33 46 53 00-0005 Drywell Drainage System (MaxWell®) *(33 46 53)*

| | | | | |
|---|---|---|---|---|
| 33 46 53 00-0006 | EA | MaxWell® Type IV Drainage System - Complete<br>Note: Includes 40' estimated overall depth, 25' deep settling basin, 6" diameter drainage component, Washed Rock Backfill, 30" diameter cover, PureFlo® Debris Shield, FloFast® Drainage Screen and Hydrophobic Absorbent Pillow. | 31,400.00 | |
| 33 46 53 00-0007 | EA | MaxWell® Plus Drainage System - Complete<br>Note: MaxWell® Type IV Drywell includes 40' estimated overall depth, 25' deep settling chamber, 6" diameter drainage component, 30" diameter cover. Primary Settling Chamber includes: 25' overall depth, 10 LF – 4" diameter connecting pipes from primary settling chambers to MaxWell® @ 5' invert, 30" diameter grates. | 49,200.00 | |

# 33 50 Hydrocarbon Utilities *(33)*

## 33 52 Hydrocarbon Transmission and Distribution *(33 50)*

### 33 52 16 Gas Hydrocarbon Piping *(33 52)*

#### 33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

See CSI section 23 05 23 00-0000 for gas valves.

### 33 52 16 13-0001 Gas Distribution Lines *(33 52 16 13)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

### 33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped *(33 52 16 13-0001)*

| | | | | |
|---|---|---|---|---|
| 33 52 16 13-0003 | LF | 1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel | 24.01 | 2.96 |
| 33 52 16 13-0004 | LF | 3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel | 27.95 | 3.25 |
| 33 52 16 13-0005 | LF | 1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel | 32.65 | 3.34 |
| 33 52 16 13-0006 | LF | 1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel | 33.49 | 3.42 |
| 33 52 16 13-0007 | LF | 1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel | 34.90 | 3.47 |
| 33 52 16 13-0008 | LF | 2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel | 36.90 | 3.72 |
| 33 52 16 13-0009 | LF | 2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel | 53.13 | 4.48 |
| 33 52 16 13-0010 | LF | 3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel | 66.13 | 5.66 |
| 33 52 16 13-0011 | LF | 4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel | 90.39 | 6.83 |
| 33 52 16 13-0012 | LF | 5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel | 124.20 | 7.92 |
| 33 52 16 13-0013 | LF | 6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel | 156.61 | 9.68 |
| 33 52 16 13-0014 | LF | 8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel | 230.57 | 12.44 |

### 33 52 16 13-0015 Gas Line Taps *(33 52 16 13-0001)*

Note: Includes material to tap into main and gas valve.

### 33 52 16 13-0016 Polyethylene, 60 PSI *(33 52 16 13-0015)*

| | | | | |
|---|---|---|---|---|
| 33 52 16 13-0017 | EA | 2" Polyethylene Hot Tap, With Valve | 3,541.53 | |
| 33 52 16 13-0018 | EA | 2-1/2" Polyethylene Hot Tap, With Valve | 3,683.86 | |
| 33 52 16 13-0019 | EA | 3" Polyethylene Hot Tap, With Valve | 3,854.73 | |
| 33 52 16 13-0020 | EA | 4" Polyethylene Hot Tap, With Valve | 6,159.39 | |
| 33 52 16 13-0021 | EA | 6" Polyethylene Hot Tap, With Valve | 9,624.59 | |

### 33 52 16 13-0022 Steel, Schedule 40 *(33 52 16 13-0015)*

Note: For punch steel service tee.

| | | | | |
|---|---|---|---|---|
| 33 52 16 13-0023 | EA | 1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee | 3,214.41 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 52 16 13-0024 | EA | 3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee | 3,268.96 | |
| 33 52 16 13-0025 | EA | 3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee | 3,340.98 | |
| 33 52 16 13-0026 | EA | 3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee | 3,410.98 | |
| 33 52 16 13-0027 | EA | 1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee | 3,465.37 | |
| 33 52 16 13-0028 | EA | 1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee | 3,776.05 | |
| 33 52 16 13-0029 | EA | 1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee | 3,868.06 | |
| **33 52 16 13-0030** | | **Protective Pipe And Fitting Wrap** *(33 52 16 13-0001)* Note: Includes cleaning and priming pipe. | | |
| **33 52 16 13-0031** | | **Corrosion Protection Pipe Wrap For Pipe** *(33 52 16 13-0030)* Note: Field applied. | | |
| 33 52 16 13-0032 | LF | 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe | 3.82 | |
| 33 52 16 13-0033 | LF | 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe | 4.00 | |
| 33 52 16 13-0034 | LF | 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe | 4.22 | |
| 33 52 16 13-0035 | LF | 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe | 4.75 | |
| 33 52 16 13-0036 | LF | 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe | 5.07 | |
| 33 52 16 13-0037 | LF | 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe | 5.83 | |
| 33 52 16 13-0038 | LF | 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe | 7.14 | |
| 33 52 16 13-0039 | LF | 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe | 8.89 | |
| 33 52 16 13-0040 | LF | 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe | 11.25 | |
| 33 52 16 13-0041 | LF | 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe | 15.00 | |
| **33 52 16 13-0042** | | **Corrosion Resistance Wrap And Coat - Fittings** *(33 52 16 13-0030)* Note: Field applied. | | |
| 33 52 16 13-0043 | EA | 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings | 20.21 | |
| 33 52 16 13-0044 | EA | 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings | 20.21 | |
| 33 52 16 13-0045 | EA | 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings | 24.89 | |
| 33 52 16 13-0046 | EA | 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings | 28.16 | |
| 33 52 16 13-0047 | EA | 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings | 28.16 | |
| 33 52 16 13-0048 | EA | 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings | 33.35 | |
| 33 52 16 13-0049 | EA | 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings | 44.46 | |
| 33 52 16 13-0050 | EA | 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings | 61.65 | |
| 33 52 16 13-0051 | EA | 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings | 62.48 | |
| 33 52 16 13-0052 | EA | 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings | 72.05 | |
| **33 52 16 13-0053** | | **Service Fittings** *(33 52 16 13-0001)* | | |
| **33 52 16 13-0054** | | **Brass Fittings** *(33 52 16 13-0053)* | | |
| 33 52 16 13-0055 | EA | 1/2" X 2" Long Nipples, Threaded Both Ends, Brass | 40.03 | |
| 33 52 16 13-0056 | EA | 3/4" X 2" Long Nipples, Threaded Both Ends, Brass | 46.72 | |
| 33 52 16 13-0057 | EA | 1" X 2" Long Nipples, Threaded Both Ends, Brass | 59.59 | |
| 33 52 16 13-0058 | EA | 1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass | 74.45 | |
| 33 52 16 13-0059 | EA | 1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass | 83.77 | |
| 33 52 16 13-0060 | EA | 2" X 2" Long Nipples, Threaded Both Ends, Brass | 110.03 | |
| 33 52 16 13-0061 | EA | 1/2" 90 Degree Elbow, Brass | 34.32 | |
| 33 52 16 13-0062 | EA | 3/4" 90 Degree Elbow, Brass | 39.64 | |
| 33 52 16 13-0063 | EA | 1" 90 Degree Elbow, Brass | 51.85 | |
| 33 52 16 13-0064 | EA | 1-1/4" 90 Degree Elbow, Brass | 67.71 | |
| 33 52 16 13-0065 | EA | 1-1/2" 90 Degree Elbow, Brass | 77.73 | |
| 33 52 16 13-0066 | EA | 2" 90 Degree Elbow, Brass | 105.06 | |
| 33 52 16 13-0067 | EA | 1/2" Diameter Chrome Plated Nipple | 27.07 | |
| 33 52 16 13-0068 | EA | 3/4" Diameter Chrome Plated Nipple | 34.92 | |
| 33 52 16 13-0069 | EA | 1" Diameter Chrome Plated Nipple | 45.50 | |
| 33 52 16 13-0070 | EA | 1-1/4" Diameter Chrome Plated Nipple | 64.93 | |
| 33 52 16 13-0071 | EA | 1-1/2" Diameter Chrome Plated Nipple | 78.88 | |
| 33 52 16 13-0072 | EA | 2" Diameter Chrome Plated Nipple | 106.74 | |
| **33 52 16 13-0073** | | **Anodless Gas Riser** *(33 52 16 13-0053)* | | |
| 33 52 16 13-0074 | EA | 3/4" Anodless Gas Riser | 102.24 | |
| 33 52 16 13-0075 | EA | 1" Anodless Gas Riser | 126.78 | |
| 33 52 16 13-0076 | EA | 1-1/4" Anodless Gas Riser | 149.35 | |
| 33 52 16 13-0077 | EA | 1-1/2" Anodless Gas Riser | 188.10 | |
| 33 52 16 13-0078 | EA | 2" Anodless Gas Riser | 216.64 | |
| **33 52 16 13-0079** | | **Brass Service Adapter** *(33 52 16 13-0053)* | | |
| 33 52 16 13-0080 | EA | 1/2" Brass Service Adapter | 69.85 | |
| 33 52 16 13-0081 | EA | 3/4" Brass Service Adapter | 76.86 | |
| 33 52 16 13-0082 | EA | 1" Brass Service Adapter | 92.21 | |
| 33 52 16 13-0083 | EA | 1-1/4" Brass Service Adapter | 111.77 | |
| 33 52 16 13-0084 | EA | 1-1/2" Brass Service Adapter | 134.09 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 52 16 13-0085 | EA | 2" Brass Service Adapter | 161.11 | |
| 33 52 16 13-0086 | EA | 2-1/2" Brass Service Adapter | 256.33 | |
| 33 52 16 13-0087 | EA | 3" Brass Service Adapter | 312.86 | |
| 33 52 16 13-0088 | EA | 4" Brass Service Adapter | 449.10 | |

## 33 52 16 23 Medium Density Polyethylene Piping for Natural Gas *(33 52 16)*

### 33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping *(33 52 16 23)*

Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

| | | | | |
|---|---|---|---|---|
| 33 52 16 23-0002 | LF | 1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe | 4.31 | 1.87 |
| | | *For Colors, Add* | *0.06* | |
| 33 52 16 23-0003 | LF | 3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe | 4.79 | 2.00 |
| | | *For SDR 13.5, Deduct* | *-0.13* | |
| | | *For Colors, Add* | *0.08* | |
| 33 52 16 23-0004 | LF | 1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe | 5.29 | 2.14 |
| | | *For SDR 13.5, Deduct* | *-0.15* | |
| | | *For Colors, Add* | *0.10* | |
| 33 52 16 23-0005 | LF | 1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe | 5.82 | 2.27 |
| | | *For SDR 13.5, Deduct* | *-0.18* | |
| | | *For Colors, Add* | *0.12* | |
| 33 52 16 23-0006 | LF | 1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe | 6.73 | 2.73 |
| | | *For SDR 13.5, Deduct* | *-0.26* | |
| | | *For Colors, Add* | *0.17* | |
| 33 52 16 23-0007 | LF | 2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe | 7.64 | 2.98 |
| | | *For SDR 13.5, Deduct* | *-0.34* | |
| | | *For SDR 15.5, Deduct* | *-0.63* | |
| | | *For Colors, Add* | *0.22* | |
| 33 52 16 23-0008 | LF | 2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe | 9.75 | 3.49 |
| | | *For SDR 13.5, Deduct* | *-0.57* | |
| | | *For SDR 15.5, Deduct* | *-1.05* | |
| | | *For Colors, Add* | *0.37* | |
| 33 52 16 23-0009 | LF | 3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe | 11.98 | 4.15 |
| | | *For SDR 13.5, Deduct* | *-0.78* | |
| | | *For SDR 15.5, Deduct* | *-1.44* | |
| | | *For Colors, Add* | *0.50* | |
| 33 52 16 23-0010 | LF | 4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe | 19.68 | 4.87 |
| | | *For SDR 13.5, Deduct* | *-1.44* | |
| | | *For SDR 15.5, Deduct* | *-2.65* | |
| | | *For Colors, Add* | *0.93* | |
| 33 52 16 23-0011 | LF | 5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe | 24.98 | 4.87 |
| | | *For SDR 13.5, Deduct* | *-2.00* | |
| | | *For SDR 15.5, Deduct* | *-3.68* | |
| | | *For Colors, Add* | *1.29* | |
| 33 52 16 23-0012 | LF | 6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe | 30.40 | 4.87 |
| | | *For SDR 13.5, Deduct* | *-2.56* | |
| | | *For SDR 15.5, Deduct* | *-4.71* | |
| | | *For Colors, Add* | *1.65* | |
| 33 52 16 23-0013 | LF | 8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe | 45.36 | 6.09 |
| | | *For SDR 13.5, Deduct* | *-4.27* | |
| | | *For SDR 15.5, Deduct* | *-7.84* | |
| | | *For Colors, Add* | *2.75* | |

## 33 52 16 26 High-Density Polyethylene (HDPE) Piping for Natural Gas *(33 52 16)*

### 33 52 16 26-0001 High-Density Polyethylene (HDPE) Gas Distribution Piping *(33 52 16 26)*

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

| | | | | |
|---|---|---|---|---|
| 33 52 16 26-0002 | LF | 1/2" Diameter, SDR 9 High-Density Polyethylene (HDPE) Gas Distribution Pipe | 4.38 | 1.87 |
| 33 52 16 26-0003 | LF | 3/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe | 4.90 | 2.00 |
| | | *For SDR 13.5, Deduct* | *-0.14* | |
| 33 52 16 26-0004 | LF | 1" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe | 5.40 | 2.14 |
| | | *For SDR 13.5, Deduct* | *-0.17* | |
| 33 52 16 26-0005 | LF | 1-1/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe | 5.97 | 2.27 |
| | | *For SDR 13.5, Deduct* | *-0.20* | |
| 33 52 16 26-0006 | LF | 1-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe | 6.94 | 2.73 |
| | | *For SDR 13.5, Deduct* | *-0.29* | |
| 33 52 16 26-0007 | LF | 2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe | 7.92 | 2.98 |
| | | *For SDR 13.5, Deduct* | *-0.38* | |
| | | *For SDR 15.5, Deduct* | *-0.70* | |
| | | *For SDR 17, Deduct* | *-1.01* | |
| 33 52 16 26-0008 | LF | 2-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe | 10.21 | 3.49 |
| | | *For SDR 13.5, Deduct* | *-0.63* | |
| | | *For SDR 15.5, Deduct* | *-1.16* | |
| | | *For SDR 17, Deduct* | *-1.68* | |
| 33 52 16 26-0009 | LF | 3" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe | 12.61 | 4.15 |
| | | *For SDR 13.5, Deduct* | *-0.86* | |
| | | *For SDR 15.5, Deduct* | *-1.58* | |
| | | *For SDR 17, Deduct* | *-2.29* | |
| | | *For SDR 21, Deduct* | *-3.14* | |
| 33 52 16 26-0010 | LF | 4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe | 20.85 | 4.87 |
| | | *For SDR 13.5, Deduct* | *-1.59* | |
| | | *For SDR 15.5, Deduct* | *-2.92* | |
| | | *For SDR 17, Deduct* | *-4.24* | |
| | | *For SDR 21, Deduct* | *-5.80* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 52 16 26-0011 | LF | 6" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe | 32.47 | 4.87 |
| | | *For SDR 13.5, Deduct* | *-2.82* | |
| | | *For SDR 15.5, Deduct* | *-5.18* | |
| | | *For SDR 17, Deduct* | *-7.52* | |
| | | *For SDR 21, Deduct* | *-10.30* | |
| 33 52 16 26-0012 | LF | 8" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe | 48.80 | 6.09 |
| | | *For SDR 13.5, Deduct* | *-4.69* | |
| | | *For SDR 15.5, Deduct* | *-8.63* | |
| | | *For SDR 17, Deduct* | *-12.53* | |
| | | *For SDR 21, Deduct* | *-17.14* | |

## 33 53 Hydrocarbon Utility Pressure Regulation *(33 50)*

### 33 53 16 Gas Hydrocarbon Pressure Regulation *(33 53)*

#### 33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends *(33 53 16)*

| | | | | |
|---|---|---|---|---|
| 33 53 16 00-0002 | EA | 3/4" Gas Pressure Regulator, Screwed End | 267.00 | 18.73 |
| 33 53 16 00-0003 | EA | 1" Gas Pressure Regulator, Screwed End | 271.25 | 18.73 |
| 33 53 16 00-0004 | EA | 1-1/4" Gas Pressure Regulator, Screwed End | 281.45 | 22.24 |
| 33 53 16 00-0005 | EA | 1-1/2" Gas Pressure Regulator, Screwed End | 987.42 | 25.75 |
| 33 53 16 00-0006 | EA | 2" Gas Pressure Regulator, Screwed End | 1,041.19 | 39.88 |
| 33 53 16 00-0007 | EA | 3" Gas Pressure Regulator, Screwed End | 2,942.21 | 89.47 |
| 33 53 16 00-0008 | EA | 4" Gas Pressure Regulator, Screwed End | 4,095.05 | 118.57 |

## 33 56 Hydrocarbon Storage *(33 50)*

### 33 56 13 Aboveground Hydrocarbon Storage Tanks *(33 56)*

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

### 33 56 33 Underground Hydrocarbon Storage *(33 56)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

## 33 59 Hydrocarbon Utility Metering *(33 50)*

### 33 59 11 Diaphragm/Bellows Hydrocarbons Meters *(33 59)*

#### 33 59 11 00-0001 Diaphragm Meters *(33 59 11)*

Note: With standard direct-digital reading maximum working pressures 5 lb to 100 lb, threaded connections. Excludes pressure and temperature compensation.

| | | | | |
|---|---|---|---|---|
| 33 59 11 00-0002 | EA | 250 CF/Hour Gas Diaphragm Meter At 5 Lb., Direct Digital, Threaded | 627.94 | 73.30 |
| | | *For Temperature And Pressure Compensation, Add* | *8.40* | |
| | | *For Pulsers, Add* | *26.50* | |
| 33 59 11 00-0003 | EA | 425 CF/Hour Gas Diaphragm Meter At 10 Lb., Direct Digital, Threaded | 1,262.92 | 112.10 |
| | | *For Temperature And Pressure Compensation, Add* | *8.40* | |
| | | *For Pulsers, Add* | *26.50* | |
| 33 59 11 00-0004 | EA | 425 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded | 1,503.36 | 112.10 |
| | | *For Temperature And Pressure Compensation, Add* | *8.40* | |
| | | *For Pulsers, Add* | *26.50* | |
| 33 59 11 00-0005 | EA | 800 CF/Hour Gas Diaphragm Meter At 20 Lb., Direct Digital, Threaded | 3,389.26 | 140.12 |
| | | *For Temperature And Pressure Compensation, Add* | *8.40* | |
| | | *For Pulsers, Add* | *26.50* | |
| 33 59 11 00-0006 | EA | 1,000 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded | 3,818.63 | 172.47 |
| | | *For Temperature And Pressure Compensation, Add* | *8.40* | |
| | | *For Pulsers, Add* | *26.50* | |
| 33 59 11 00-0007 | EA | 800 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded | 5,107.28 | 140.12 |
| | | *For Temperature And Pressure Compensation, Add* | *8.40* | |
| | | *For Pulsers, Add* | *26.50* | |
| 33 59 11 00-0008 | EA | 1,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded | 5,667.42 | 172.47 |
| | | *For Temperature And Pressure Compensation, Add* | *8.40* | |
| | | *For Pulsers, Add* | *26.50* | |
| 33 59 11 00-0009 | EA | 1,400 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded | 7,522.01 | 183.25 |
| | | *For Temperature And Pressure Compensation, Add* | *8.40* | |
| | | *For Pulsers, Add* | *26.50* | |
| 33 59 11 00-0010 | EA | 2,300 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded | 10,680.17 | 215.58 |
| | | *For Temperature And Pressure Compensation, Add* | *8.40* | |
| | | *For Pulsers, Add* | *26.50* | |
| 33 59 11 00-0011 | EA | 5,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded | 16,286.47 | 355.71 |
| | | *For Temperature And Pressure Compensation, Add* | *8.40* | |
| | | *For Pulsers, Add* | *26.50* | |

### 33 59 16 Hydrocarbons Turbine Meters *(33 59)*

#### 33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading *(33 59 16)*

Note: Maximum working pressure 175 PSI, flanged end connections.

| | | | | |
|---|---|---|---|---|
| 33 59 16 00-0002 | EA | 4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged | 12,991.81 | 378.45 |
| 33 59 16 00-0003 | EA | 6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged | 14,162.21 | 439.49 |
| 33 59 16 00-0004 | EA | 8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged | 21,986.34 | 485.58 |
| 33 59 16 00-0005 | EA | 10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged | 42,823.98 | 591.14 |
| 33 59 16 00-0006 | EA | 12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged | 70,343.08 | 738.92 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 33 60 Hydronic and Steam Energy Utilities *(33)*

## 33 61 Hydronic Energy Distribution *(33 60)*

### 33 61 13 Buried Hydronic Energy Distribution *(33 61)*

33 61 13 00-0001 Glass Lined Steel Piping *(33 61 13)*

33 61 13 00-0002 Glass Lined Steel Pipe *(33 61 13 00-0001)*
Note: 150 PSIG

| | | | |
|---|---|---|---|
| 33 61 13 00-0003 | EA | 4" X 1' Glass Lined Steel Pipe | 1,631.16 |
| 33 61 13 00-0004 | EA | 4" X 2' Glass Lined Steel Pipe | 1,801.05 |
| 33 61 13 00-0005 | EA | 4" X 3' Glass Lined Steel Pipe | 1,801.05 |
| 33 61 13 00-0006 | EA | 4" X 4' Glass Lined Steel Pipe | 2,140.81 |
| 33 61 13 00-0007 | EA | 4" X 5' Glass Lined Steel Pipe | 3,043.32 |
| 33 61 13 00-0008 | EA | 4" X 10' Glass Lined Steel Pipe | 3,524.66 |
| 33 61 13 00-0009 | EA | 6" X 1' Glass Lined Steel Pipe | 1,365.72 |
| 33 61 13 00-0010 | EA | 6" X 2' Glass Lined Steel Pipe | 2,958.38 |
| 33 61 13 00-0011 | EA | 6" X 3' Glass Lined Steel Pipe | 2,958.38 |
| 33 61 13 00-0012 | EA | 6" X 4' Glass Lined Steel Pipe | 3,351.23 |
| 33 61 13 00-0013 | EA | 6" X 5' Glass Lined Steel Pipe | 5,407.53 |
| 33 61 13 00-0014 | EA | 6" X 10' Glass Lined Steel Pipe | 6,258.28 |
| 33 61 13 00-0015 | EA | 8" X 1' Glass Lined Steel Pipe | 3,374.91 |
| 33 61 13 00-0016 | EA | 8" X 2' Glass Lined Steel Pipe | 4,065.06 |
| 33 61 13 00-0017 | EA | 8" X 3' Glass Lined Steel Pipe | 4,065.06 |
| 33 61 13 00-0018 | EA | 8" X 4' Glass Lined Steel Pipe | 4,675.03 |
| 33 61 13 00-0019 | EA | 8" X 5' Glass Lined Steel Pipe | 6,332.60 |
| 33 61 13 00-0020 | EA | 8" X 10' Glass Lined Steel Pipe | 7,197.41 |
| 33 61 13 00-0021 | EA | 12" X 1' Glass Lined Steel Pipe | 9,158.64 |
| 33 61 13 00-0022 | EA | 12" X 2' Glass Lined Steel Pipe | 9,158.64 |
| 33 61 13 00-0023 | EA | 12" X 3' Glass Lined Steel Pipe | 9,491.33 |
| 33 61 13 00-0024 | EA | 12" X 4' Glass Lined Steel Pipe | 10,122.47 |
| 33 61 13 00-0025 | EA | 12" X 5' Glass Lined Steel Pipe | 11,358.81 |
| 33 61 13 00-0026 | EA | 12" X 10' Glass Lined Steel Pipe | 14,032.09 |
| 33 61 13 00-0027 | EA | 16" X 10' Glass Lined Steel Pipe | 19,114.10 |

33 61 13 00-0028 90 Degree Elbow, Glass Lined Steel Fittings *(33 61 13 00-0001)*
Note: 150 PSIG

| | | | |
|---|---|---|---|
| 33 61 13 00-0029 | EA | 4" 90 Degree Elbow, Glass Lined Steel Fittings | 1,951.46 |
| 33 61 13 00-0030 | EA | 6" 90 Degree Elbow, Glass Lined Steel Fittings | 3,192.73 |
| 33 61 13 00-0031 | EA | 8" 90 Degree Elbow, Glass Lined Steel Fittings | 5,891.69 |
| 33 61 13 00-0032 | EA | 10" 90 Degree Elbow, Glass Lined Steel Fittings | 10,466.10 |
| 33 61 13 00-0033 | EA | 12" 90 Degree Elbow, Glass Lined Steel Fittings | 15,488.54 |
| 33 61 13 00-0034 | EA | 14" 90 Degree Elbow, Glass Lined Steel Fittings | 18,195.54 |
| 33 61 13 00-0035 | EA | 16" 90 Degree Elbow, Glass Lined Steel Fittings | 20,902.13 |

33 61 13 00-0036 45 Degree Elbow, Glass Lined Steel Fittings *(33 61 13 00-0001)*
Note: 150 PSIG

| | | | |
|---|---|---|---|
| 33 61 13 00-0037 | EA | 4" 45 Degree Elbow, Glass Lined Steel Fittings | 1,912.53 |
| 33 61 13 00-0038 | EA | 6" 45 Degree Elbow, Glass Lined Steel Fittings | 3,192.73 |
| 33 61 13 00-0039 | EA | 8" 45 Degree Elbow, Glass Lined Steel Fittings | 6,160.67 |
| 33 61 13 00-0040 | EA | 10" 45 Degree Elbow, Glass Lined Steel Fittings | 17,388.85 |
| 33 61 13 00-0041 | EA | 12" 45 Degree Elbow, Glass Lined Steel Fittings | 15,488.54 |
| 33 61 13 00-0042 | EA | 14" 45 Degree Elbow, Glass Lined Steel Fittings | 18,195.54 |
| 33 61 13 00-0043 | EA | 16" 45 Degree Elbow, Glass Lined Steel Fittings | 20,902.13 |

33 61 13 00-0044 Tee, Glass Lined Steel Fittings *(33 61 13 00-0001)*
Note: 150 PSIG

| | | | |
|---|---|---|---|
| 33 61 13 00-0045 | EA | 4" Tee, Glass Lined Steel Fittings | 3,033.22 |
| 33 61 13 00-0046 | EA | 6" Tee, Glass Lined Steel Fittings | 5,212.73 |
| 33 61 13 00-0047 | EA | 8" Tee, Glass Lined Steel Fittings | 7,724.12 |
| 33 61 13 00-0048 | EA | 10" Tee, Glass Lined Steel Fittings | 13,331.37 |
| 33 61 13 00-0049 | EA | 12" Tee, Glass Lined Steel Fittings | 18,978.84 |
| 33 61 13 00-0050 | EA | 14" Tee, Glass Lined Steel Fittings | 22,364.82 |
| 33 61 13 00-0051 | EA | 16" Tee, Glass Lined Steel Fittings | 25,693.34 |

33 61 13 00-0052 Prefabricated/Preinsulated Pipe *(33 61 13)*
Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.

33 61 13 00-0053 Preinsulated Schedule 40 Black Steel Pipe *(33 61 13 00-0052)*
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0054 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0055 | LF | 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 184.44 | 20.30 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.15* | |
| | | *For Schedule 80 Pipe, Add* | *31.48* | |
| 33 61 13 00-0056 | LF | 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 202.28 | 21.90 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.46* | |
| | | *For Schedule 80 Pipe, Add* | *34.61* | |
| 33 61 13 00-0057 | LF | 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 225.95 | 23.26 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.90* | |
| | | *For Schedule 80 Pipe, Add* | *38.99* | |
| 33 61 13 00-0058 | LF | 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 241.97 | 24.56 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.18* | |
| | | *For Schedule 80 Pipe, Add* | *41.84* | |
| 33 61 13 00-0059 | LF | 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 253.49 | 26.08 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.37* | |
| | | *For Schedule 80 Pipe, Add* | *43.74* | |
| 33 61 13 00-0060 | LF | 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 280.73 | 32.24 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.75* | |
| | | *For Schedule 80 Pipe, Add* | *47.55* | |
| 33 61 13 00-0061 | LF | 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 309.23 | 39.35 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.14* | |
| | | *For Schedule 80 Pipe, Add* | *51.35* | |
| 33 61 13 00-0062 | LF | 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 390.14 | 50.11 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.47* | |
| | | *For Schedule 80 Pipe, Add* | *64.66* | |
| 33 61 13 00-0063 | LF | 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 495.49 | 61.39 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *8.27* | |
| | | *For Schedule 80 Pipe, Add* | *82.73* | |
| 33 61 13 00-0064 | LF | 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 576.12 | 71.91 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.60* | |
| | | *For Schedule 80 Pipe, Add* | *96.05* | |
| 33 61 13 00-0065 | LF | 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 814.80 | 86.89 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *13.98* | |
| | | *For Schedule 80 Pipe, Add* | *139.79* | |
| 33 61 13 00-0066 | LF | 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,060.29 | 103.40 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *18.45* | |
| | | *For Schedule 80 Pipe, Add* | *184.48* | |
| 33 61 13 00-0067 | LF | 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,320.31 | 127.25 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *23.01* | |
| | | *For Schedule 80 Pipe, Add* | *230.13* | |

### 33 61 13 00-0068 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0069 | LF | 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 200.18 | 20.30 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.46* | |
| | | *For Schedule 80 Pipe, Add* | *34.62* | |
| 33 61 13 00-0070 | LF | 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 219.59 | 21.90 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.81* | |
| | | *For Schedule 80 Pipe, Add* | *38.08* | |
| 33 61 13 00-0071 | LF | 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 245.45 | 23.26 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.29* | |
| | | *For Schedule 80 Pipe, Add* | *42.89* | |
| 33 61 13 00-0072 | LF | 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 262.89 | 24.56 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.60* | |
| | | *For Schedule 80 Pipe, Add* | *46.03* | |
| 33 61 13 00-0073 | LF | 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 275.36 | 26.08 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.81* | |
| | | *For Schedule 80 Pipe, Add* | *48.12* | |
| 33 61 13 00-0074 | LF | 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 304.50 | 32.24 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.23* | |
| | | *For Schedule 80 Pipe, Add* | *52.30* | |
| 33 61 13 00-0075 | LF | 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 334.90 | 39.35 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.65* | |
| | | *For Schedule 80 Pipe, Add* | *56.49* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0076 | LF | 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 422.47 | 50.11 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.11* | |
| | | *For Schedule 80 Pipe, Add* | *71.13* | |
| 33 61 13 00-0077 | LF | 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 536.86 | 61.39 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.10* | |
| | | *For Schedule 80 Pipe, Add* | *91.01* | |
| 33 61 13 00-0078 | LF | 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 624.14 | 71.91 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *10.57* | |
| | | *For Schedule 80 Pipe, Add* | *105.65* | |
| 33 61 13 00-0079 | LF | 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 884.69 | 86.89 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *15.38* | |
| | | *For Schedule 80 Pipe, Add* | *153.77* | |
| 33 61 13 00-0080 | LF | 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,152.53 | 103.40 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *20.29* | |
| | | *For Schedule 80 Pipe, Add* | *202.93* | |
| 33 61 13 00-0081 | LF | 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,435.38 | 127.25 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *25.31* | |
| | | *For Schedule 80 Pipe, Add* | *253.14* | |

### 33 61 13 00-0082 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0083 | LF | 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 208.05 | 20.30 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.62* | |
| | | *For Schedule 80 Pipe, Add* | *36.20* | |
| 33 61 13 00-0084 | LF | 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 228.24 | 21.90 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.98* | |
| | | *For Schedule 80 Pipe, Add* | *39.81* | |
| 33 61 13 00-0085 | LF | 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 255.20 | 23.26 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.48* | |
| | | *For Schedule 80 Pipe, Add* | *44.84* | |
| 33 61 13 00-0086 | LF | 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 273.35 | 24.56 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.81* | |
| | | *For Schedule 80 Pipe, Add* | *48.12* | |
| 33 61 13 00-0087 | LF | 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 286.30 | 26.08 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.03* | |
| | | *For Schedule 80 Pipe, Add* | *50.31* | |
| 33 61 13 00-0088 | LF | 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 316.39 | 32.24 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.47* | |
| | | *For Schedule 80 Pipe, Add* | *54.68* | |
| 33 61 13 00-0089 | LF | 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 347.74 | 39.35 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.91* | |
| | | *For Schedule 80 Pipe, Add* | *59.05* | |
| 33 61 13 00-0090 | LF | 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 438.64 | 50.11 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.44* | |
| | | *For Schedule 80 Pipe, Add* | *74.36* | |
| 33 61 13 00-0091 | LF | 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 557.54 | 61.39 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.51* | |
| | | *For Schedule 80 Pipe, Add* | *95.14* | |
| 33 61 13 00-0092 | LF | 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 648.15 | 71.91 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *11.05* | |
| | | *For Schedule 80 Pipe, Add* | *110.45* | |
| 33 61 13 00-0093 | LF | 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 919.64 | 86.89 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *16.08* | |
| | | *For Schedule 80 Pipe, Add* | *160.76* | |
| 33 61 13 00-0094 | LF | 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,198.65 | 103.40 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *21.22* | |
| | | *For Schedule 80 Pipe, Add* | *212.16* | |
| 33 61 13 00-0095 | LF | 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,492.91 | 127.25 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *26.46* | |
| | | *For Schedule 80 Pipe, Add* | *264.65* | |

### 33 61 13 00-0096 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0097 | LF | 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 219.85 | 20.30 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.86* | |
| | | *For Schedule 80 Pipe, Add* | *38.56* | |
| 33 61 13 00-0098 | LF | 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 241.22 | 21.90 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.24* | |
| | | *For Schedule 80 Pipe, Add* | *42.40* | |
| 33 61 13 00-0099 | LF | 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 269.82 | 23.26 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.78* | |
| | | *For Schedule 80 Pipe, Add* | *47.76* | |
| 33 61 13 00-0100 | LF | 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 289.04 | 24.56 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.13* | |
| | | *For Schedule 80 Pipe, Add* | *51.26* | |
| 33 61 13 00-0101 | LF | 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 302.70 | 26.08 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.36* | |
| | | *For Schedule 80 Pipe, Add* | *53.59* | |
| 33 61 13 00-0102 | LF | 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 334.22 | 32.24 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.82* | |
| | | *For Schedule 80 Pipe, Add* | *58.25* | |
| 33 61 13 00-0103 | LF | 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 367.00 | 39.35 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.29* | |
| | | *For Schedule 80 Pipe, Add* | *62.91* | |
| 33 61 13 00-0104 | LF | 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 462.89 | 50.11 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.92* | |
| | | *For Schedule 80 Pipe, Add* | *79.21* | |
| 33 61 13 00-0105 | LF | 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 588.57 | 61.39 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *10.13* | |
| | | *For Schedule 80 Pipe, Add* | *101.35* | |
| 33 61 13 00-0106 | LF | 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 684.17 | 71.91 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *11.77* | |
| | | *For Schedule 80 Pipe, Add* | *117.66* | |
| 33 61 13 00-0107 | LF | 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 972.06 | 86.89 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *17.12* | |
| | | *For Schedule 80 Pipe, Add* | *171.24* | |
| 33 61 13 00-0108 | LF | 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,267.83 | 103.40 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *22.60* | |
| | | *For Schedule 80 Pipe, Add* | *225.99* | |
| 33 61 13 00-0109 | LF | 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,579.21 | 127.25 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *28.19* | |
| | | *For Schedule 80 Pipe, Add* | *281.91* | |

## 33 61 13 00-0110 Preinsulated Black Steel Fittings *(33 61 13 00-0052)*

Note: No excavation or backfill.

## 33 61 13 00-0111 Elbows *(33 61 13 00-0110)*

## 33 61 13 00-0112 Elbows *(33 61 13 00-0111)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0113 | EA | 3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,321.41 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *23.98* | |
| 33 61 13 00-0114 | EA | 1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,359.08 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *24.54* | |
| 33 61 13 00-0115 | EA | 1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,552.35 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *27.93* | |
| 33 61 13 00-0116 | EA | 1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,713.96 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *30.46* | |
| 33 61 13 00-0117 | EA | 2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,872.82 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *31.73* | |
| 33 61 13 00-0118 | EA | 2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,068.55 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *33.00* | |
| 33 61 13 00-0119 | EA | 3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,394.21 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *38.08* | |
| 33 61 13 00-0120 | EA | 4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,793.65 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *44.43* | |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0121 | EA | 5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,468.55 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *57.12* | |
| 33 61 13 00-0122 | EA | 6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,886.92 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *64.88* | |
| 33 61 13 00-0123 | EA | 8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 5,547.94 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *93.79* | |
| 33 61 13 00-0124 | EA | 10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 7,274.04 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *119.88* | |
| 33 61 13 00-0125 | EA | 12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 9,470.01 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *158.67* | |

### 33 61 13 00-0126 Elbows *(33 61 13 00-0111)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0127 | EA | 3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,411.32 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *25.77* | |
| 33 61 13 00-0128 | EA | 1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,451.11 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *26.38* | |
| 33 61 13 00-0129 | EA | 1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,657.06 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *30.02* | |
| 33 61 13 00-0130 | EA | 1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,828.20 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *32.75* | |
| 33 61 13 00-0131 | EA | 2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,991.82 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *34.11* | |
| 33 61 13 00-0132 | EA | 2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,192.31 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *35.48* | |
| 33 61 13 00-0133 | EA | 3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,537.01 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *40.94* | |
| 33 61 13 00-0134 | EA | 4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,960.24 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *47.76* | |
| 33 61 13 00-0135 | EA | 5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,682.75 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *61.40* | |
| 33 61 13 00-0136 | EA | 6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,130.21 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *69.74* | |
| 33 61 13 00-0137 | EA | 8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 5,899.65 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *100.82* | |
| 33 61 13 00-0138 | EA | 10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 7,723.59 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *128.87* | |
| 33 61 13 00-0139 | EA | 12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 10,065.01 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *170.57* | |

### 33 61 13 00-0140 Elbows *(33 61 13 00-0111)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0141 | EA | 3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,501.23 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *27.57* | |
| 33 61 13 00-0142 | EA | 1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,543.13 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *28.22* | |
| 33 61 13 00-0143 | EA | 1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,761.78 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *32.11* | |
| 33 61 13 00-0144 | EA | 1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,942.44 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *35.03* | |
| 33 61 13 00-0145 | EA | 2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,110.82 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *36.49* | |
| 33 61 13 00-0146 | EA | 2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,316.07 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *37.95* | |
| 33 61 13 00-0147 | EA | 3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,679.81 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *43.79* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0148 | EA | 4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,126.84 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *51.09* | |
| 33 61 13 00-0149 | EA | 5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,896.94 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *65.69* | |
| 33 61 13 00-0150 | EA | 6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,373.49 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *74.61* | |
| 33 61 13 00-0151 | EA | 8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 6,251.37 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *107.86* | |
| 33 61 13 00-0152 | EA | 10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 8,173.14 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *137.86* | |
| 33 61 13 00-0153 | EA | 12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 10,660.00 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *182.47* | |

### 33 61 13 00-0154 Elbows *(33 61 13 00-0111)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0155 | EA | 3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,591.14 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *29.37* | |
| 33 61 13 00-0156 | EA | 1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,635.16 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *30.06* | |
| 33 61 13 00-0157 | EA | 1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,866.50 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *34.21* | |
| 33 61 13 00-0158 | EA | 1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,056.68 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *37.32* | |
| 33 61 13 00-0159 | EA | 2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,229.82 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *38.87* | |
| 33 61 13 00-0160 | EA | 2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,439.83 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *40.43* | |
| 33 61 13 00-0161 | EA | 3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,822.61 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *46.65* | |
| 33 61 13 00-0162 | EA | 4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,293.44 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *54.42* | |
| 33 61 13 00-0163 | EA | 5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,111.14 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *69.97* | |
| 33 61 13 00-0164 | EA | 6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,616.77 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *79.47* | |
| 33 61 13 00-0165 | EA | 8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 6,603.07 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *114.89* | |
| 33 61 13 00-0166 | EA | 10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 8,622.69 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *146.85* | |
| 33 61 13 00-0167 | EA | 12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 11,255.00 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *194.37* | |

### 33 61 13 00-0168 Tees *(33 61 13 00-0110)*

### 33 61 13 00-0169 Tees *(33 61 13 00-0168)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0170 | EA | 3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,964.06 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *35.60* | |
| 33 61 13 00-0171 | EA | 1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,020.03 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *36.44* | |
| 33 61 13 00-0172 | EA | 1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,307.37 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *41.47* | |
| 33 61 13 00-0173 | EA | 1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,547.86 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *45.24* | |
| 33 61 13 00-0174 | EA | 2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,784.90 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *47.12* | |
| 33 61 13 00-0175 | EA | 2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,077.33 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *49.01* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0176 | EA | 3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,562.77 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *56.55* | |
| 33 61 13 00-0177 | EA | 4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,157.15 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *65.97* | |
| 33 61 13 00-0178 | EA | 5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 5,163.23 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *84.82* | |
| 33 61 13 00-0179 | EA | 6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 5,782.60 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *96.34* | |
| 33 61 13 00-0180 | EA | 8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 8,250.00 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *139.28* | |
| 33 61 13 00-0181 | EA | 10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 10,823.41 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *178.02* | |
| 33 61 13 00-0182 | EA | 12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 14,086.01 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *235.62* | |

### 33 61 13 00-0183 Tees *(33 61 13 00-0168)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0184 | EA | 3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,097.57 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *38.27* | |
| 33 61 13 00-0185 | EA | 1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,156.69 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *39.18* | |
| 33 61 13 00-0186 | EA | 1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,462.88 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *44.58* | |
| 33 61 13 00-0187 | EA | 1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,717.51 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *48.63* | |
| 33 61 13 00-0188 | EA | 2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,961.62 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *50.66* | |
| 33 61 13 00-0189 | EA | 2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,261.11 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *52.68* | |
| 33 61 13 00-0190 | EA | 3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,774.82 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *60.79* | |
| 33 61 13 00-0191 | EA | 4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,404.55 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *70.92* | |
| 33 61 13 00-0192 | EA | 5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 5,481.31 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *91.18* | |
| 33 61 13 00-0193 | EA | 6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 6,143.88 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *103.57* | |
| 33 61 13 00-0194 | EA | 8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 8,772.29 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *149.72* | |
| 33 61 13 00-0195 | EA | 10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 11,490.99 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *191.37* | |
| 33 61 13 00-0196 | EA | 12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 14,969.58 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *253.29* | |

### 33 61 13 00-0197 Tees *(33 61 13 00-0168)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0198 | EA | 3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,231.09 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *40.95* | |
| 33 61 13 00-0199 | EA | 1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,293.35 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *41.91* | |
| 33 61 13 00-0200 | EA | 1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,618.39 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *47.69* | |
| 33 61 13 00-0201 | EA | 1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,887.15 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *52.02* | |
| 33 61 13 00-0202 | EA | 2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,138.33 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *54.19* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0203 | EA | 2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,444.89 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *56.36* | |
| 33 61 13 00-0204 | EA | 3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,986.88 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *65.03* | |
| 33 61 13 00-0205 | EA | 4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,651.95 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *75.87* | |
| 33 61 13 00-0206 | EA | 5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 5,799.40 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *97.55* | |
| 33 61 13 00-0207 | EA | 6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 6,505.16 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *110.79* | |
| 33 61 13 00-0208 | EA | 8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 9,294.59 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *160.17* | |
| 33 61 13 00-0209 | EA | 10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 12,158.57 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *204.73* | |
| 33 61 13 00-0210 | EA | 12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 15,853.15 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *270.96* | |

### 33 61 13 00-0211 Tees *(33 61 13 00-0168)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0212 | EA | 3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,364.61 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *43.62* | |
| 33 61 13 00-0213 | EA | 1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,430.01 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *44.64* | |
| 33 61 13 00-0214 | EA | 1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,773.89 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *50.80* | |
| 33 61 13 00-0215 | EA | 1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,056.80 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *55.42* | |
| 33 61 13 00-0216 | EA | 2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,315.04 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *57.73* | |
| 33 61 13 00-0217 | EA | 2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,628.68 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *60.04* | |
| 33 61 13 00-0218 | EA | 3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,198.94 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *69.27* | |
| 33 61 13 00-0219 | EA | 4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,899.35 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *80.82* | |
| 33 61 13 00-0220 | EA | 5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 6,117.48 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *103.91* | |
| 33 61 13 00-0221 | EA | 6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 6,866.45 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *118.02* | |
| 33 61 13 00-0222 | EA | 8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 9,816.87 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *170.61* | |
| 33 61 13 00-0223 | EA | 10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 12,826.16 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *218.08* | |
| 33 61 13 00-0224 | EA | 12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 16,736.72 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *288.63* | |

### 33 61 13 00-0225 Reducers *(33 61 13 00-0110)*

### 33 61 13 00-0226 Reducers *(33 61 13 00-0225)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0227 | EA | 3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,105.39 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *19.90* | |
| 33 61 13 00-0228 | EA | 1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,137.26 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *20.37* | |
| 33 61 13 00-0229 | EA | 1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,299.38 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *23.18* | |
| 33 61 13 00-0230 | EA | 1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,435.87 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *25.29* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 33 61 13 00-0231 | | EA | 2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,574.34 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *26.34* | |
| 33 61 13 00-0232 | | EA | 2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,755.60 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *27.39* | |
| 33 61 13 00-0233 | | EA | 3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,025.46 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *31.61* | |
| 33 61 13 00-0234 | | EA | 4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,358.54 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *36.87* | |
| 33 61 13 00-0235 | | EA | 5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,921.96 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *47.41* | |
| 33 61 13 00-0236 | | EA | 6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,271.38 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *53.85* | |
| 33 61 13 00-0237 | | EA | 8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,665.08 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *77.84* | |
| 33 61 13 00-0238 | | EA | 10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 6,127.60 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *99.50* | |
| 33 61 13 00-0239 | | EA | 12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 7,965.33 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *131.69* | |

## 33 61 13 00-0240 Reducers *(33 61 13 00-0225)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | | |
|---|---|---|---|---|---|
| 33 61 13 00-0241 | | EA | 3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,180.01 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *21.39* | |
| 33 61 13 00-0242 | | EA | 1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,213.64 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *21.90* | |
| 33 61 13 00-0243 | | EA | 1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,386.30 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *24.92* | |
| 33 61 13 00-0244 | | EA | 1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,530.68 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *27.18* | |
| 33 61 13 00-0245 | | EA | 2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,673.11 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *28.31* | |
| 33 61 13 00-0246 | | EA | 2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,858.32 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *29.45* | |
| 33 61 13 00-0247 | | EA | 3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,143.98 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *33.98* | |
| 33 61 13 00-0248 | | EA | 4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,496.82 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *39.64* | |
| 33 61 13 00-0249 | | EA | 5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,099.75 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *50.97* | |
| 33 61 13 00-0250 | | EA | 6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,473.30 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *57.89* | |
| 33 61 13 00-0251 | | EA | 8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,957.00 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *83.68* | |
| 33 61 13 00-0252 | | EA | 10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 6,500.73 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *106.96* | |
| 33 61 13 00-0253 | | EA | 12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 8,459.18 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *141.57* | |

## 33 61 13 00-0254 Reducers *(33 61 13 00-0225)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | | |
|---|---|---|---|---|---|
| 33 61 13 00-0255 | | EA | 3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,254.64 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *22.89* | |
| 33 61 13 00-0256 | | EA | 1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,290.02 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *23.42* | |
| 33 61 13 00-0257 | | EA | 1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,473.22 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *26.65* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0258 | EA | 1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,625.50 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *29.08* | |
| 33 61 13 00-0259 | EA | 2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,771.88 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *30.29* | |
| 33 61 13 00-0260 | EA | 2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,961.04 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *31.50* | |
| 33 61 13 00-0261 | EA | 3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,262.50 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *36.35* | |
| 33 61 13 00-0262 | EA | 4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,635.10 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *42.41* | |
| 33 61 13 00-0263 | EA | 5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,277.53 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *54.52* | |
| 33 61 13 00-0264 | EA | 6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,675.23 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *61.92* | |
| 33 61 13 00-0265 | EA | 8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 5,248.91 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *89.52* | |
| 33 61 13 00-0266 | EA | 10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 6,873.86 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *114.43* | |
| 33 61 13 00-0267 | EA | 12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 8,953.03 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *151.45* | |

## 33 61 13 00-0268 Reducers *(33 61 13 00-0225)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0269 | EA | 3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,329.27 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *24.38* | |
| 33 61 13 00-0270 | EA | 1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,366.40 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *24.95* | |
| 33 61 13 00-0271 | EA | 1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,560.13 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *28.39* | |
| 33 61 13 00-0272 | EA | 1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,720.32 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *30.97* | |
| 33 61 13 00-0273 | EA | 2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,870.65 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *32.26* | |
| 33 61 13 00-0274 | EA | 2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,063.76 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *33.56* | |
| 33 61 13 00-0275 | EA | 3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,381.03 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *38.72* | |
| 33 61 13 00-0276 | EA | 4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,773.37 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *45.17* | |
| 33 61 13 00-0277 | EA | 5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,455.32 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *58.08* | |
| 33 61 13 00-0278 | EA | 6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,877.15 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *65.96* | |
| 33 61 13 00-0279 | EA | 8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 5,540.82 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *95.36* | |
| 33 61 13 00-0280 | EA | 10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 7,246.98 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *121.89* | |
| 33 61 13 00-0281 | EA | 12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 9,446.88 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *161.32* | |

## 33 61 13 00-0282 Preinsulated Type K Copper Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

## 33 61 13 00-0283 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0284 | LF | 3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 48.19 | 17.86 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.43* | |
| 33 61 13 00-0285 | LF | 1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 52.46 | 19.27 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.47* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0286 | LF | 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 57.21 | 20.48 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.53* | |
| 33 61 13 00-0287 | LF | 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 60.88 | 21.63 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.57* | |
| 33 61 13 00-0288 | LF | 2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 64.17 | 22.95 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.60* | |
| 33 61 13 00-0289 | LF | 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 74.88 | 28.39 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.65* | |
| 33 61 13 00-0290 | LF | 3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 86.85 | 34.63 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.70* | |
| 33 61 13 00-0291 | LF | 4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 110.11 | 44.11 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.88* | |
| 33 61 13 00-0292 | LF | 5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 137.26 | 54.02 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *1.13* | |
| 33 61 13 00-0293 | LF | 6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 160.21 | 63.29 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *1.31* | |
| 33 61 13 00-0294 | LF | 8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 209.73 | 76.77 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *1.90* | |
| 33 61 13 00-0295 | LF | 10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 261.92 | 90.99 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *2.51* | |
| 33 61 13 00-0296 | LF | 12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 324.44 | 111.97 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.13* | |

## 33 61 13 00-0297 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0298 | LF | 3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 50.33 | 17.86 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.47* | |
| 33 61 13 00-0299 | LF | 1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 54.81 | 19.27 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.52* | |
| 33 61 13 00-0300 | LF | 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 59.86 | 20.48 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.58* | |
| 33 61 13 00-0301 | LF | 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 63.73 | 21.63 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.63* | |
| 33 61 13 00-0302 | LF | 2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 67.14 | 22.95 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.65* | |
| 33 61 13 00-0303 | LF | 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 78.12 | 28.39 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.71* | |
| 33 61 13 00-0304 | LF | 3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 90.34 | 34.63 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.77* | |
| 33 61 13 00-0305 | LF | 4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 114.51 | 44.11 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.97* | |
| 33 61 13 00-0306 | LF | 5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 142.89 | 54.02 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *1.24* | |
| 33 61 13 00-0307 | LF | 6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 166.74 | 63.29 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *1.44* | |
| 33 61 13 00-0308 | LF | 8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 219.24 | 76.77 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *2.09* | |
| 33 61 13 00-0309 | LF | 10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 274.47 | 90.99 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *2.76* | |
| 33 61 13 00-0310 | LF | 12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 340.09 | 111.97 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.44* | |

## 33 61 13 00-0311 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0312 | LF | 3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 51.40 | 17.86 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.49* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0313 | LF | 1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 55.99 | 19.27 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.54* | |
| 33 61 13 00-0314 | LF | 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 61.19 | 20.48 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.61* | |
| 33 61 13 00-0315 | LF | 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 65.15 | 21.63 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.65* | |
| 33 61 13 00-0316 | LF | 2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 68.63 | 22.95 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.68* | |
| 33 61 13 00-0317 | LF | 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 79.74 | 28.39 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.74* | |
| 33 61 13 00-0318 | LF | 3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 92.09 | 34.63 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.80* | |
| 33 61 13 00-0319 | LF | 4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 116.71 | 44.11 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *1.01* | |
| 33 61 13 00-0320 | LF | 5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 145.70 | 54.02 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *1.29* | |
| 33 61 13 00-0321 | LF | 6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 170.01 | 63.29 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *1.50* | |
| 33 61 13 00-0322 | LF | 8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 224.00 | 76.47 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *2.19* | |
| 33 61 13 00-0323 | LF | 10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 280.74 | 90.99 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *2.89* | |
| 33 61 13 00-0324 | LF | 12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 347.92 | 111.97 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.60* | |

### 33 61 13 00-0325 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0326 | LF | 3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 53.01 | 17.86 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.52* | |
| 33 61 13 00-0327 | LF | 1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 57.75 | 19.27 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.58* | |
| 33 61 13 00-0328 | LF | 1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 63.18 | 20.48 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.65* | |
| 33 61 13 00-0329 | LF | 1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 67.29 | 21.63 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.70* | |
| 33 61 13 00-0330 | LF | 2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 70.86 | 22.95 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.73* | |
| 33 61 13 00-0331 | LF | 2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 82.16 | 28.39 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.79* | |
| 33 61 13 00-0332 | LF | 3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 94.71 | 34.63 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *0.86* | |
| 33 61 13 00-0333 | LF | 4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 120.01 | 44.11 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *1.08* | |
| 33 61 13 00-0334 | LF | 5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 149.92 | 54.02 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *1.38* | |
| 33 61 13 00-0335 | LF | 6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 174.91 | 63.29 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *1.60* | |
| 33 61 13 00-0336 | LF | 8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 231.13 | 76.47 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *2.33* | |
| 33 61 13 00-0337 | LF | 10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 290.15 | 90.99 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.07* | |
| 33 61 13 00-0338 | LF | 12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 359.66 | 111.97 |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *3.84* | |

### 33 61 13 00-0339 Preinsulated Copper Fittings *(33 61 13 00-0052)*

### 33 61 13 00-0340 Elbows *(33 61 13 00-0339)*

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0341 | | **Elbows** *(33 61 13 00-0340)* | | |
| | | Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing. | | |
| 33 61 13 00-0342 | EA | 3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 350.66 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.88* | |
| 33 61 13 00-0343 | EA | 1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 364.65 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.00* | |
| 33 61 13 00-0344 | EA | 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 419.98 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.69* | |
| 33 61 13 00-0345 | EA | 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 475.98 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.20* | |
| 33 61 13 00-0346 | EA | 2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 571.85 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.46* | |
| 33 61 13 00-0347 | EA | 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 699.76 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.72* | |
| 33 61 13 00-0348 | EA | 3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 813.87 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.75* | |
| 33 61 13 00-0349 | EA | 4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 949.87 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.04* | |
| 33 61 13 00-0350 | EA | 5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,114.05 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *11.63* | |
| 33 61 13 00-0351 | EA | 6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,219.58 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *13.21* | |
| 33 61 13 00-0352 | EA | 8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,701.21 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *19.09* | |
| 33 61 13 00-0353 | EA | 10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,333.21 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *24.41* | |
| 33 61 13 00-0354 | EA | 12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,951.35 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *32.30* | |
| 33 61 13 00-0355 | | **Elbows** *(33 61 13 00-0340)* | | |
| | | Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing. | | |
| 33 61 13 00-0356 | EA | 3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 368.97 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.25* | |
| 33 61 13 00-0357 | EA | 1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 383.38 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.37* | |
| 33 61 13 00-0358 | EA | 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 441.30 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.11* | |
| 33 61 13 00-0359 | EA | 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 499.24 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.67* | |
| 33 61 13 00-0360 | EA | 2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 596.08 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.94* | |
| 33 61 13 00-0361 | EA | 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 724.96 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.22* | |
| 33 61 13 00-0362 | EA | 3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 842.94 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *8.33* | |
| 33 61 13 00-0363 | EA | 4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 983.78 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.72* | |
| 33 61 13 00-0364 | EA | 5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,157.66 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *12.50* | |
| 33 61 13 00-0365 | EA | 6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,269.11 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *14.20* | |
| 33 61 13 00-0366 | EA | 8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,772.81 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *20.53* | |
| 33 61 13 00-0367 | EA | 10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,424.73 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *26.24* | |
| 33 61 13 00-0368 | EA | 12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,072.48 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *34.72* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 33 61 13 00-0369 Elbows *(33 61 13 00-0340)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0370 | EA | 3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 387.27 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.61* | |
| 33 61 13 00-0371 | EA | 1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 402.11 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.75* | |
| 33 61 13 00-0372 | EA | 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 462.62 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.54* | |
| 33 61 13 00-0373 | EA | 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 522.49 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.13* | |
| 33 61 13 00-0374 | EA | 2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 620.30 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.43* | |
| 33 61 13 00-0375 | EA | 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 750.15 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.73* | |
| 33 61 13 00-0376 | EA | 3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 872.02 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *8.92* | |
| 33 61 13 00-0377 | EA | 4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,017.70 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *10.40* | |
| 33 61 13 00-0378 | EA | 5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,201.26 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *13.37* | |
| 33 61 13 00-0379 | EA | 6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,318.91 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *15.19* | |
| 33 61 13 00-0380 | EA | 8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,844.25 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *21.96* | |
| 33 61 13 00-0381 | EA | 10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,515.78 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *28.07* | |
| 33 61 13 00-0382 | EA | 12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,193.94 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *37.15* | |

### 33 61 13 00-0383 Elbows *(33 61 13 00-0340)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0384 | EA | 3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 405.57 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.98* | |
| 33 61 13 00-0385 | EA | 1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 420.85 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.12* | |
| 33 61 13 00-0386 | EA | 1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 483.94 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.96* | |
| 33 61 13 00-0387 | EA | 1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 545.75 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.60* | |
| 33 61 13 00-0388 | EA | 2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 644.53 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.91* | |
| 33 61 13 00-0389 | EA | 2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 775.35 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *8.23* | |
| 33 61 13 00-0390 | EA | 3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 901.09 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.50* | |
| 33 61 13 00-0391 | EA | 4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,051.61 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *11.08* | |
| 33 61 13 00-0392 | EA | 5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,244.87 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *14.24* | |
| 33 61 13 00-0393 | EA | 6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,368.43 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *16.18* | |
| 33 61 13 00-0394 | EA | 8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,915.85 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *23.39* | |
| 33 61 13 00-0395 | EA | 10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,607.31 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *29.90* | |

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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 33 61 13 00-0396 | | EA | 12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,315.07 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *39.57* | |

## 33 61 13 00-0397 Tees *(33 61 13 00-0339)*

## 33 61 13 00-0398 Tees *(33 61 13 00-0397)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | | |
|---|---|---|---|---|---|
| 33 61 13 00-0399 | | EA | 3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 522.28 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.25* | |
| 33 61 13 00-0400 | | EA | 1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 543.06 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.42* | |
| 33 61 13 00-0401 | | EA | 1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 625.53 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *8.44* | |
| 33 61 13 00-0402 | | EA | 1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 709.12 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.21* | |
| 33 61 13 00-0403 | | EA | 2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 852.45 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.59* | |
| 33 61 13 00-0404 | | EA | 2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,043.99 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.98* | |
| 33 61 13 00-0405 | | EA | 3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,215.04 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *11.51* | |
| 33 61 13 00-0406 | | EA | 4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,418.07 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *13.43* | |
| 33 61 13 00-0407 | | EA | 5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,665.24 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *17.27* | |
| 33 61 13 00-0408 | | EA | 6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,820.14 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *19.61* | |
| 33 61 13 00-0409 | | EA | 8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,535.93 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *28.35* | |
| 33 61 13 00-0410 | | EA | 10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,483.37 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *36.24* | |
| 33 61 13 00-0411 | | EA | 12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,402.79 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *47.97* | |

## 33 61 13 00-0412 Tees *(33 61 13 00-0397)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | | |
|---|---|---|---|---|---|
| 33 61 13 00-0413 | | EA | 3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 549.46 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.79* | |
| 33 61 13 00-0414 | | EA | 1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 570.88 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.98* | |
| 33 61 13 00-0415 | | EA | 1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 657.19 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.08* | |
| 33 61 13 00-0416 | | EA | 1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 743.65 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.90* | |
| 33 61 13 00-0417 | | EA | 2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 888.43 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *10.31* | |
| 33 61 13 00-0418 | | EA | 2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,081.40 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *10.73* | |
| 33 61 13 00-0419 | | EA | 3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,258.21 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *12.38* | |
| 33 61 13 00-0420 | | EA | 4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,468.44 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *14.44* | |
| 33 61 13 00-0421 | | EA | 5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,730.00 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *18.56* | |
| 33 61 13 00-0422 | | EA | 6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,893.69 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *21.08* | |
| 33 61 13 00-0423 | | EA | 8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,642.25 | |
| | | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *30.48* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0424 | EA | 10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,619.28 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *38.96* | |
| 33 61 13 00-0425 | EA | 12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,582.67 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *51.56* | |

## 33 61 13 00-0426 Tees *(33 61 13 00-0397)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0427 | EA | 3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 576.64 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *8.34* | |
| 33 61 13 00-0428 | EA | 1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 598.70 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *8.53* | |
| 33 61 13 00-0429 | EA | 1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 688.85 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.71* | |
| 33 61 13 00-0430 | EA | 1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 778.19 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *10.59* | |
| 33 61 13 00-0431 | EA | 2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 924.40 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *11.03* | |
| 33 61 13 00-0432 | EA | 2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,118.82 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *11.47* | |
| 33 61 13 00-0433 | EA | 3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,301.38 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *13.24* | |
| 33 61 13 00-0434 | EA | 4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,518.80 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *15.45* | |
| 33 61 13 00-0435 | EA | 5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,794.75 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *19.86* | |
| 33 61 13 00-0436 | EA | 6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,967.65 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *22.56* | |
| 33 61 13 00-0437 | EA | 8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,747.50 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *32.61* | |
| 33 61 13 00-0438 | EA | 10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,752.63 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *41.68* | |
| 33 61 13 00-0439 | EA | 12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,765.52 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *55.16* | |

## 33 61 13 00-0440 Tees *(33 61 13 00-0397)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0441 | EA | 3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 603.82 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *8.88* | |
| 33 61 13 00-0442 | EA | 1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 626.52 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.09* | |
| 33 61 13 00-0443 | EA | 1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 720.51 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *10.34* | |
| 33 61 13 00-0444 | EA | 1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 812.72 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *11.28* | |
| 33 61 13 00-0445 | EA | 2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 960.38 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *11.75* | |
| 33 61 13 00-0446 | EA | 2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,156.23 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *12.22* | |
| 33 61 13 00-0447 | EA | 3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,344.55 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *14.10* | |
| 33 61 13 00-0448 | EA | 4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,569.17 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *16.45* | |
| 33 61 13 00-0449 | EA | 5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,859.51 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *21.15* | |
| 33 61 13 00-0450 | EA | 6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,041.20 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *24.03* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0451 | EA | 8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,853.83 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *34.73* | |
| 33 61 13 00-0452 | EA | 10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 3,888.54 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *44.40* | |
| 33 61 13 00-0453 | EA | 12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 4,945.39 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *58.76* | |

## 33 61 13 00-0454 Reducers *(33 61 13 00-0339)*

## 33 61 13 00-0455 Reducers *(33 61 13 00-0454)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0456 | EA | 3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 298.53 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.05* | |
| 33 61 13 00-0457 | EA | 1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 310.67 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.15* | |
| 33 61 13 00-0458 | EA | 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 358.09 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.72* | |
| 33 61 13 00-0459 | EA | 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 406.61 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.15* | |
| 33 61 13 00-0460 | EA | 2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 491.94 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.36* | |
| 33 61 13 00-0461 | EA | 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 614.45 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.58* | |
| 33 61 13 00-0462 | EA | 3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 708.78 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.43* | |
| 33 61 13 00-0463 | EA | 4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 823.01 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.51* | |
| 33 61 13 00-0464 | EA | 5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 962.15 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.65* | |
| 33 61 13 00-0465 | EA | 6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,051.58 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *10.96* | |
| 33 61 13 00-0466 | EA | 8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,464.36 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *15.85* | |
| 33 61 13 00-0467 | EA | 10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,015.04 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *20.26* | |
| 33 61 13 00-0468 | EA | 12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,541.13 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *26.81* | |

## 33 61 13 00-0469 Reducers *(33 61 13 00-0454)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0470 | EA | 3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 313.73 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.36* | |
| 33 61 13 00-0471 | EA | 1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 326.22 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.46* | |
| 33 61 13 00-0472 | EA | 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 375.78 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.07* | |
| 33 61 13 00-0473 | EA | 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 425.91 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.53* | |
| 33 61 13 00-0474 | EA | 2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 512.05 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.76* | |
| 33 61 13 00-0475 | EA | 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 635.37 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.99* | |
| 33 61 13 00-0476 | EA | 3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 732.91 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.92* | |
| 33 61 13 00-0477 | EA | 4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 851.16 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *8.07* | |
| 33 61 13 00-0478 | EA | 5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 998.34 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *10.38* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0479 | EA | 6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,092.69 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *11.78* | |
| 33 61 13 00-0480 | EA | 8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,523.79 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *17.04* | |
| 33 61 13 00-0481 | EA | 10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,091.00 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *21.78* | |
| 33 61 13 00-0482 | EA | 12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,641.67 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *28.82* | |

### 33 61 13 00-0483 Reducers *(33 61 13 00-0454)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0484 | EA | 3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 328.92 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.66* | |
| 33 61 13 00-0485 | EA | 1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 341.77 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.77* | |
| 33 61 13 00-0486 | EA | 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 393.48 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.43* | |
| 33 61 13 00-0487 | EA | 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 445.21 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.92* | |
| 33 61 13 00-0488 | EA | 2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 532.15 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.17* | |
| 33 61 13 00-0489 | EA | 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 656.28 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.41* | |
| 33 61 13 00-0490 | EA | 3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 757.04 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.40* | |
| 33 61 13 00-0491 | EA | 4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 879.31 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *8.63* | |
| 33 61 13 00-0492 | EA | 5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,034.54 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *11.10* | |
| 33 61 13 00-0493 | EA | 6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,134.02 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *12.61* | |
| 33 61 13 00-0494 | EA | 8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,582.83 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *18.22* | |
| 33 61 13 00-0495 | EA | 10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,166.59 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *23.29* | |
| 33 61 13 00-0496 | EA | 12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,742.46 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *30.83* | |

### 33 61 13 00-0497 Reducers *(33 61 13 00-0454)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0498 | EA | 3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 344.11 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *4.96* | |
| 33 61 13 00-0499 | EA | 1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 357.32 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.08* | |
| 33 61 13 00-0500 | EA | 1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 411.17 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *5.78* | |
| 33 61 13 00-0501 | EA | 1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 464.51 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.31* | |
| 33 61 13 00-0502 | EA | 2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 552.26 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.57* | |
| 33 61 13 00-0503 | EA | 2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 677.19 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *6.83* | |
| 33 61 13 00-0504 | EA | 3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 781.17 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *7.88* | |
| 33 61 13 00-0505 | EA | 4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 907.46 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *9.20* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0506 | EA | 5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,070.73 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *11.82* | |
| 33 61 13 00-0507 | EA | 6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,175.13 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *13.43* | |
| 33 61 13 00-0508 | EA | 8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 1,642.26 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *19.41* | |
| 33 61 13 00-0509 | EA | 10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,242.55 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *24.81* | |
| 33 61 13 00-0510 | EA | 12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket | 2,843.00 | |
| | | *For High-Density Polyethylene (HDPE) Jacket, Add* | *32.84* | |

## 33 61 13 00-0511 Preinsulated Ductile Iron Carrier Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

## 33 61 13 00-0512 Ductile Iron Carrier Pipe *(33 61 13 00-0511)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0513 | LF | 4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 406.76 | 56.98 |
| 33 61 13 00-0514 | LF | 6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 600.31 | 81.83 |
| 33 61 13 00-0515 | LF | 8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 846.77 | 98.87 |
| 33 61 13 00-0516 | LF | 10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 1,100.40 | 117.66 |
| 33 61 13 00-0517 | LF | 12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 1,370.04 | 144.81 |

## 33 61 13 00-0518 Ductile Iron Carrier Pipe *(33 61 13 00-0511)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0519 | LF | 4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 444.33 | 57.03 |
| 33 61 13 00-0520 | LF | 6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 656.13 | 81.83 |
| 33 61 13 00-0521 | LF | 8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 928.01 | 98.87 |
| 33 61 13 00-0522 | LF | 10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 1,207.61 | 117.66 |
| 33 61 13 00-0523 | LF | 12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 1,503.79 | 144.81 |
| 33 61 13 00-0524 | LF | 14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 1,657.70 | 154.51 |
| 33 61 13 00-0525 | LF | 16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 1,894.56 | 165.55 |
| 33 61 13 00-0526 | LF | 18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 2,162.76 | 176.60 |
| 33 61 13 00-0527 | LF | 20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 2,401.28 | 187.63 |
| 33 61 13 00-0528 | LF | 24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 2,899.54 | 204.18 |

## 33 61 13 00-0529 Preinsulated Ductile Iron Fittings *(33 61 13 00-0052)*

## 33 61 13 00-0530 Elbows *(33 61 13 00-0529)*

## 33 61 13 00-0531 Elbows *(33 61 13 00-0530)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | |
|---|---|---|---|
| 33 61 13 00-0532 | EA | 4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 3,899.38 |
| 33 61 13 00-0533 | EA | 6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 5,501.65 |
| 33 61 13 00-0534 | EA | 8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 7,882.29 |
| 33 61 13 00-0535 | EA | 10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 10,257.79 |
| 33 61 13 00-0536 | EA | 12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 13,419.10 |

## 33 61 13 00-0537 Elbows *(33 61 13 00-0530)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | |
|---|---|---|---|
| 33 61 13 00-0538 | EA | 4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 4,363.62 |
| 33 61 13 00-0539 | EA | 6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 6,179.59 |
| 33 61 13 00-0540 | EA | 8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 8,862.36 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0541 | EA | 10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 11,510.50 | |
| 33 61 13 00-0542 | EA | 12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 15,077.10 | |
| 33 61 13 00-0543 | EA | 14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 18,461.07 | |
| 33 61 13 00-0544 | EA | 16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 22,078.65 | |
| 33 61 13 00-0545 | EA | 18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 27,635.58 | |
| 33 61 13 00-0546 | EA | 20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 34,871.86 | |
| 33 61 13 00-0547 | EA | 24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 44,138.59 | |

### 33 61 13 00-0548 Tees *(33 61 13 00-0529)*

### 33 61 13 00-0549 Tees *(33 61 13 00-0548)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0550 | EA | 4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 5,799.18 | |
| 33 61 13 00-0551 | EA | 6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 8,180.48 | |
| 33 61 13 00-0552 | EA | 8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 11,716.51 | |
| 33 61 13 00-0553 | EA | 10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 15,254.28 | |
| 33 61 13 00-0554 | EA | 12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 19,950.39 | |

### 33 61 13 00-0555 Tees *(33 61 13 00-0548)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0556 | EA | 4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 6,488.57 | |
| 33 61 13 00-0557 | EA | 6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 9,187.22 | |
| 33 61 13 00-0558 | EA | 8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 13,171.91 | |
| 33 61 13 00-0559 | EA | 10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 17,114.56 | |
| 33 61 13 00-0560 | EA | 12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 22,412.54 | |
| 33 61 13 00-0561 | EA | 14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 27,264.29 | |
| 33 61 13 00-0562 | EA | 16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 32,612.53 | |
| 33 61 13 00-0563 | EA | 18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 40,821.25 | |
| 33 61 13 00-0564 | EA | 20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 51,521.75 | |
| 33 61 13 00-0565 | EA | 24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 65,186.78 | |

### 33 61 13 00-0566 Reducers *(33 61 13 00-0529)*

### 33 61 13 00-0567 Reducers *(33 61 13 00-0566)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0568 | EA | 4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 3,276.31 | |
| 33 61 13 00-0569 | EA | 6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 4,611.61 | |
| 33 61 13 00-0570 | EA | 8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 6,602.59 | |
| 33 61 13 00-0571 | EA | 10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 8,604.12 | |
| 33 61 13 00-0572 | EA | 12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 11,243.08 | |

### 33 61 13 00-0573 Reducers *(33 61 13 00-0566)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0574 | EA | 4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 3,661.63 | |
| 33 61 13 00-0575 | EA | 6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 5,174.29 | |
| 33 61 13 00-0576 | EA | 8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 7,416.03 | |
| 33 61 13 00-0577 | EA | 10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 9,643.86 | |
| 33 61 13 00-0578 | EA | 12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 12,619.22 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 61 13 00-0579 | EA | 14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 15,336.00 | |
| 33 61 13 00-0580 | EA | 16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 18,332.12 | |
| 33 61 13 00-0581 | EA | 18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 22,874.39 | |
| 33 61 13 00-0582 | EA | 20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 28,963.10 | |
| 33 61 13 00-0583 | EA | 24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket | 36,695.48 | |

### 33 61 13 00-0584 Tempered Water Piping Pre-Insulated *(33 61 13 00-0052)*

### 33 61 13 00-0585 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0586 | LF | 4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation | 148.69 | 23.80 |
| 33 61 13 00-0587 | LF | 6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation | 191.67 | 25.76 |
| 33 61 13 00-0588 | LF | 8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation | 269.00 | 28.46 |
| 33 61 13 00-0589 | LF | 10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation | 371.45 | 35.58 |
| 33 61 13 00-0590 | LF | 12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation | 476.61 | 43.88 |

### 33 61 13 00-0591 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0592 | LF | 4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation | 69.64 | 25.76 |
| 33 61 13 00-0593 | LF | 6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation | 84.03 | 25.76 |
| 33 61 13 00-0594 | LF | 8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation | 97.70 | 25.76 |
| 33 61 13 00-0595 | LF | 10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation | 116.85 | 30.45 |
| 33 61 13 00-0596 | LF | 12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation | 141.10 | 38.65 |

### 33 61 13 00-0597 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*

| | | | | |
|---|---|---|---|---|
| 33 61 13 00-0598 | LF | 4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation | 69.63 | 25.76 |
| 33 61 13 00-0599 | LF | 6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation | 84.03 | 25.76 |
| 33 61 13 00-0600 | LF | 8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation | 96.52 | 25.76 |
| 33 61 13 00-0601 | LF | 10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation | 116.84 | 30.45 |
| 33 61 13 00-0602 | LF | 12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation | 141.10 | 38.65 |

# 33 70 Electrical Utilities *(33)*

## 33 71 Electrical Utility Transmission and Distribution *(33 70)*

### 33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

#### 33 71 19 13 Electrical Manholes and Handholes *(33 71 19)*

### 33 71 19 13-0001 Electrical Handholes And Pull Boxes *(33 71 19 13)*

### 33 71 19 13-0002 Electrical Pull Boxes *(33 71 19 13-0001)*

See CSI section 33 05 63 00-0427 for handholes.

| | | | | |
|---|---|---|---|---|
| 33 71 19 13-0003 | EA | 24" x 36" x 24", Electric Pull Boxes, Precast Concrete | 2,480.10 | 519.74 |
| 33 71 19 13-0004 | EA | 24" x 36" x 36", Electric Pull Boxes, Precast Concrete | 3,004.57 | 576.11 |
| 33 71 19 13-0005 | EA | 30" x 48" x 36", Electric Pull Boxes, Precast Concrete | 3,508.46 | 626.21 |
| 33 71 19 13-0006 | EA | 36" x 72" x 24", Electric Pull Boxes, Precast Concrete | 5,619.28 | 751.44 |
| 33 71 19 13-0007 | EA | 36" x 60" x 36", Electric Pull Boxes, Precast Concrete | 6,030.91 | 751.44 |
| 33 71 19 13-0008 | EA | 48" x 48" x 36", Electric Pull Boxes, Precast Concrete | 6,505.08 | 782.75 |
| 33 71 19 13-0009 | EA | 48" x 60" x 48", Electric Pull Boxes, Precast Concrete | 7,497.18 | 876.68 |

### 33 71 19 13-0010 Electrical Pull Boxes (CALTRANS) *(33 71 19 13-0001)*

| | | | | |
|---|---|---|---|---|
| 33 71 19 13-0011 | EA | Body, CALTRANS 3-1/2 Precast Concrete Pull Box | 150.05 | |
| 33 71 19 13-0012 | EA | Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box | 58.86 | |
| 33 71 19 13-0013 | EA | Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box | 90.93 | |
| 33 71 19 13-0014 | EA | Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box | 190.13 | |
| 33 71 19 13-0015 | EA | Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box | 292.98 | |
| | | *For Galvanized Steel Cover, Add* | *49.79* | |
| 33 71 19 13-0016 | EA | 12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box | 75.11 | |
| 33 71 19 13-0017 | EA | Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box | 75.11 | |
| 33 71 19 13-0018 | EA | Body, CALTRANS 5 Precast Concrete Pull Box | 215.04 | |
| 33 71 19 13-0019 | EA | Concrete Cover, CALTRANS 5 Precast Concrete Pull Box | 78.33 | |
| 33 71 19 13-0020 | EA | Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box | 110.40 | |
| 33 71 19 13-0021 | EA | Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box | 387.91 | |
| | | *For Galvanized Steel Cover, Add* | *91.29* | |
| 33 71 19 13-0022 | EA | 12" Extension, CALTRANS 5 Precast Concrete Pull Box | 105.54 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 71 19 13-0023 | EA | Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box | 98.84 | |
| 33 71 19 13-0024 | EA | Body, CALTRANS 6 Precast Concrete Pull Box | 234.51 | |
| 33 71 19 13-0025 | EA | Concrete Cover, CALTRANS 6 Precast Concrete Pull Box | 104.50 | |
| 33 71 19 13-0026 | EA | Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box | 136.57 | |
| 33 71 19 13-0027 | EA | Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box | 531.54 | |
| | | *For Galvanized Steel Cover, Add* | *127.80* | |
| 33 71 19 13-0028 | EA | 12" Extension, CALTRANS 6 Precast Concrete Pull Box | 125.01 | |
| 33 71 19 13-0029 | EA | Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box | 117.71 | |
| 33 71 19 13-0030 | EA | 6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box | 161.53 | |
| 33 71 19 13-0031 | EA | Body, CALTRANS 3-1/2-T Precast Concrete Pull Box | 328.36 | |
| 33 71 19 13-0032 | EA | Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box | 465.81 | |
| 33 71 19 13-0033 | EA | 12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box | 149.35 | |
| 33 71 19 13-0034 | EA | Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box | 137.18 | |
| 33 71 19 13-0035 | EA | Body, CALTRANS 5-T Precast Concrete Pull Box | 429.25 | |
| 33 71 19 13-0036 | EA | Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box | 672.73 | |
| 33 71 19 13-0037 | EA | 12" Extension, CALTRANS 5-T Precast Concrete Pull Box | 178.57 | |
| 33 71 19 13-0038 | EA | Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box | 173.70 | |
| 33 71 19 13-0039 | EA | Body, CALTRANS 6-T Precast Concrete Pull Box | 606.96 | |
| 33 71 19 13-0040 | EA | Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box | 940.50 | |
| 33 71 19 13-0041 | EA | 12" Extension, CALTRANS 6-T Precast Concrete Pull Box | 300.28 | |
| 33 71 19 13-0042 | EA | Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box | 234.55 | |

### 33 71 19 13-0043 Electrical Property Line Boxes *(33 71 19 13)*

| | | | | |
|---|---|---|---|---|
| 33 71 19 13-0044 | EA | 3'-6" x 2'-9" x 2' Deep Property Line Box | 5,366.65 | 422.69 |
| 33 71 19 13-0045 | EA | 4'-6" x 3'-6" x 4' Deep Property Line Box | 6,321.34 | 438.34 |
| 33 71 19 13-0046 | EA | 6' x 4' x 5' Deep Property Line Box | 6,923.13 | 532.27 |
| 33 71 19 13-0047 | EA | 11'-6" x 4'-6" x 6' Deep Property Line Box | 10,608.10 | 782.75 |

### 33 71 19 13-0048 Manhole Accessories *(33 71 19 13)*

| | | | | |
|---|---|---|---|---|
| 33 71 19 13-0049 | EA | 6" Precast Grade Ring Riser Casting | 523.38 | 151.28 |
| 33 71 19 13-0050 | EA | 12" Precast Grade Ring Riser Casting | 566.81 | 163.89 |
| 33 71 19 13-0051 | EA | 36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D) | 2,134.15 | 252.14 |
| 33 71 19 13-0052 | EA | 42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1) | 2,782.14 | 315.17 |
| 33 71 19 13-0053 | EA | Cast Iron Adjusting Ring (NEENAH #R-1979) | 913.49 | 168.30 |
| 33 71 19 13-0054 | EA | Cast Iron Frame And Cover (NEENAH #R-1640-B) | 1,156.52 | 189.10 |

## 33 71 19 23 Trenched Electrical Underground Duct and Ductbanks *(33 71 19)*

### 33 71 19 23-0001 Underground Ductbank *(33 71 19 23)*

Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.

### 33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

| | | | |
|---|---|---|---|
| 33 71 19 23-0003 | LF | 2 At 2", Rigid Galvanized Conduit Duct Bank | 35.42 |
| 33 71 19 23-0004 | LF | 4 At 2", Rigid Galvanized Conduit Duct Bank | 70.87 |
| 33 71 19 23-0005 | LF | 2 At 3", Rigid Galvanized Conduit Duct Bank | 72.97 |
| 33 71 19 23-0006 | LF | 4 At 3", Rigid Galvanized Conduit Duct Bank | 146.35 |
| 33 71 19 23-0007 | LF | 2 At 4", Rigid Galvanized Conduit Duct Bank | 107.40 |
| 33 71 19 23-0008 | LF | 4 At 4", Rigid Galvanized Conduit Duct Bank | 215.97 |
| 33 71 19 23-0009 | LF | 6 At 4", Rigid Galvanized Conduit Duct Bank | 324.65 |
| 33 71 19 23-0010 | LF | 2 At 5", Rigid Galvanized Conduit Duct Bank | 201.30 |
| 33 71 19 23-0011 | LF | 4 At 5", Rigid Galvanized Conduit Duct Bank | 401.44 |
| 33 71 19 23-0012 | LF | 6 At 5", Rigid Galvanized Conduit Duct Bank | 617.92 |
| 33 71 19 23-0013 | LF | 2 At 6", Rigid Galvanized Conduit Duct Bank | 286.11 |
| 33 71 19 23-0014 | LF | 4 At 6", Rigid Galvanized Conduit Duct Bank | 574.30 |
| 33 71 19 23-0015 | LF | 6 At 6", Rigid Galvanized Conduit Duct Bank | 854.48 |

### 33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

| | | | |
|---|---|---|---|
| 33 71 19 23-0017 | LF | 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 8.37 |
| 33 71 19 23-0018 | LF | 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 18.34 |
| 33 71 19 23-0019 | LF | 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 35.26 |
| 33 71 19 23-0020 | LF | 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 11.10 |
| 33 71 19 23-0021 | LF | 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 22.16 |
| 33 71 19 23-0022 | LF | 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 45.00 |
| 33 71 19 23-0023 | LF | 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 14.93 |
| 33 71 19 23-0024 | LF | 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 29.87 |
| 33 71 19 23-0025 | LF | 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 59.80 |
| 33 71 19 23-0026 | LF | 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 89.67 |
| 33 71 19 23-0027 | LF | 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 18.99 |
| 33 71 19 23-0028 | LF | 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 37.95 |
| 33 71 19 23-0029 | LF | 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 73.56 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 33 71 19 23-0030 | LF | 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 104.56 | |
| 33 71 19 23-0031 | LF | 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 33.42 | |
| 33 71 19 23-0032 | LF | 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 51.53 | |
| 33 71 19 23-0033 | LF | 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 103.28 | |
| 33 71 19 23-0034 | LF | 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank | 166.45 | |
| 33 71 19 23-0035 | | Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System *(33 71 19 23-0001)* | | |
| | | Note: Includes appropriate spacers and fittings. | | |
| 33 71 19 23-0036 | LF | 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 9.30 | |
| 33 71 19 23-0037 | LF | 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 20.28 | |
| 33 71 19 23-0038 | LF | 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 38.89 | |
| 33 71 19 23-0039 | LF | 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 11.56 | |
| 33 71 19 23-0040 | LF | 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 23.08 | |
| 33 71 19 23-0041 | LF | 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 46.00 | |
| 33 71 19 23-0042 | LF | 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 15.33 | |
| 33 71 19 23-0043 | LF | 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 30.68 | |
| 33 71 19 23-0044 | LF | 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 61.42 | |
| 33 71 19 23-0045 | LF | 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 92.11 | |
| 33 71 19 23-0046 | LF | 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 19.60 | |
| 33 71 19 23-0047 | LF | 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 39.17 | |
| 33 71 19 23-0048 | LF | 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 76.00 | |
| 33 71 19 23-0049 | LF | 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 108.24 | |
| 33 71 19 23-0050 | LF | 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 34.27 | |
| 33 71 19 23-0051 | LF | 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 53.29 | |
| 33 71 19 23-0052 | LF | 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 106.80 | |
| 33 71 19 23-0053 | LF | 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank | 171.73 | |
| 33 71 19 23-0054 | | Male Or Female Adapters *(33 71 19 23-0001)* | | |
| 33 71 19 23-0055 | EA | 2" Adapter | 44.29 | |
| 33 71 19 23-0056 | EA | 3" Adapter | 65.01 | |
| 33 71 19 23-0057 | EA | 4" Adapter | 84.42 | |
| 33 71 19 23-0058 | EA | 5" Adapter | 132.79 | |
| 33 71 19 23-0059 | EA | 6" Adapter | 163.43 | |
| 33 71 19 23-0060 | | Underground Electrical Concrete Markers *(33 71 19 23)* | | |
| 33 71 19 23-0061 | EA | 36" x 6" x 6", Underground Electric Concrete Marker | 377.78 | |

**END OF SECTION 33**


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 34 Transportation

## 34 40 Transportation Signaling and Control Equipment *(34)*

## 34 41 Roadway Signaling and Control Equipment *(34 40)*

### 34 41 13 Traffic Signals *(34 41)*

#### 34 41 13 00-0001 Traffic Signals *(34 41 13)*

| | | | | |
|---|---|---|---|---|
| 34 41 13 00-0002 | EA | Single Traffic Signal Head, 4 Way Pattern | 8,098.18 | 836.31 |

#### 34 41 13 00-0003 Traffic Detector Induction Loop *(34 41 13)*

| | | | | |
|---|---|---|---|---|
| 34 41 13 00-0004 | EA | 6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop<br>Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit. | 446.18 | |
| 34 41 13 00-0005 | EA | 6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop<br>Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit. | 556.72 | |
| 34 41 13 00-0006 | EA | 6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop<br>Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit. | 626.48 | |
| 34 41 13 00-0007 | EA | 6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop<br>Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit. | 545.85 | |
| 34 41 13 00-0008 | EA | 6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop<br>Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit. | 947.21 | |
| 34 41 13 00-0009 | EA | 6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop<br>Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit. | 1,166.87 | |
| 34 41 13 00-0010 | EA | 6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop<br>Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit. | 1,238.77 | |
| 34 41 13 00-0011 | EA | 6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop<br>Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit. | 1,551.18 | |
| 34 41 13 00-0012 | EA | 6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop<br>Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit. | 1,657.16 | |
| 34 41 13 00-0013 | EA | 6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop<br>Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit. | 1,783.48 | |
| 34 41 13 00-0014 | EA | 6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop<br>Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit. | 1,912.95 | |
| 34 41 13 00-0015 | LF | In Pavement, Lead Wire For Traffic Signal Detector<br>Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit. | 8.75 | |
| 34 41 13 00-0016 | LF | In Earthwork, Lead Wire For Traffic Signal Detector<br>Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit. | 3.78 | |
| 34 41 13 00-0017 | EA | 2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222) | 287.09 | |
| 34 41 13 00-0018 | EA | 4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100) | 818.43 | |
| 34 41 13 00-0019 | EA | 2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100) | 506.67 | |

#### 34 41 13 00-0020 Overhead Traffic Signals *(34 41 13)*

| | | | | |
|---|---|---|---|---|
| 34 41 13 00-0021 | EA | Vehicle Signal Face, LED, 1 - 12" Section | 592.55 | 177.71 |
| 34 41 13 00-0022 | EA | Vehicle Signal Face, LED, 2 - 12" Sections | 968.97 | 250.90 |
| 34 41 13 00-0023 | EA | Vehicle Signal Face, LED, 3 - 12" Sections | 1,364.55 | 306.65 |
| 34 41 13 00-0024 | EA | Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank | 1,294.12 | 306.65 |
| 34 41 13 00-0025 | EA | Vehicle Signal Face, LED, 4 - 12" Sections | 1,739.45 | 341.49 |
| 34 41 13 00-0026 | EA | Vehicle Signal Face, LED, 5 - 12" Sections | 2,086.47 | 362.40 |
| 34 41 13 00-0027 | EA | Vehicle Signal Face, LED, 5 - 12" Sections, Cluster | 2,222.63 | 362.40 |
| 34 41 13 00-0028 | EA | Vehicle Signal Face, LED, 1 - 8" Section | 557.33 | 177.71 |
| 34 41 13 00-0029 | EA | Vehicle Signal Face, LED, 2 - 8" Sections | 898.54 | 250.90 |
| 34 41 13 00-0030 | EA | Vehicle Signal Face, LED, 3 - 8" Sections | 1,193.17 | 306.65 |
| 34 41 13 00-0031 | EA | Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section | 1,280.04 | 306.65 |
| 34 41 13 00-0032 | EA | Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections | 1,589.20 | 341.49 |
| 34 41 13 00-0033 | EA | Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section | 1,539.90 | 341.49 |
| 34 41 13 00-0034 | EA | Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections | 1,828.22 | 362.40 |
| 34 41 13 00-0035 | EA | Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster | 1,938.56 | 362.40 |
| 34 41 13 00-0036 | EA | Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed | 2,820.13 | 306.65 |
| 34 41 13 00-0037 | EA | Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed | 3,695.09 | 341.49 |
| 34 41 13 00-0038 | EA | Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed | 4,833.28 | 362.40 |
| 34 41 13 00-0039 | EA | Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed | 5,244.12 | 362.40 |
| 34 41 13 00-0040 | EA | Bracket Signal Mounting Assembly | 574.58 | 139.39 |
| 34 41 13 00-0041 | EA | Mast Arm Signal Mounting Assembly | 1,012.99 | 278.77 |
| 34 41 13 00-0042 | EA | Top Pole Signal Mounting Assembly | 354.63 | 104.54 |
| 34 41 13 00-0043 | EA | Pedestrian Signal Head | 1,052.04 | 209.07 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 41 13 00-0044 | EA | Pedestrian Signal Insert | 652.79 | 104.54 |
| 34 41 13 00-0045 | EA | Audible Pedestrian Signal | 1,455.66 | |
| 34 41 13 00-0046 | EA | Junction Box, Pole Or Post Mounted | 605.29 | |
| 34 41 13 00-0047 | EA | Pedestrian Push Button | 540.66 | |
| 34 41 13 00-0048 | EA | Illuminated Sign, Bracket Mounted, Symbolic | 4,397.87 | |
| 34 41 13 00-0049 | EA | Illuminated Sign, Mast Arm Mounted, Symbolic | 4,585.86 | |
| 34 41 13 00-0050 | EA | Sign, Message, "BLANK OUT", Bracket Mounted | 4,848.35 | |
| 34 41 13 00-0051 | EA | Sign, Message, "BLANK OUT", Mast Arm Mounted | 5,151.85 | |
| 34 41 13 00-0052 | EA | Sign, Fiber Optic, Bracket Mounted | 5,531.81 | |
| 34 41 13 00-0053 | EA | Sign, Fiber Optic, Mast Arm Mounted | 5,841.64 | |
| 34 41 13 00-0054 | EA | 16' Pedestal With Base Plate And Cover | 1,853.08 | 192.35 |
| 34 41 13 00-0055 | EA | 30' Type 15TS Signal And Lighting Standard<br>Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness. | 8,302.55 | |
| 34 41 13 00-0056 | EA | 35' Type 21TS Signal And Lighting Standard<br>Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness. | 9,676.83 | |
| 34 41 13 00-0057 | EA | 17' Type 18-2-100 Signal And Lighting Standard<br>Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness. | 4,627.80 | |
| 34 41 13 00-0058 | EA | 17' Type 18-3-100 Signal And Lighting Standard<br>Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness. | 5,158.41 | |
| 34 41 13 00-0059 | EA | 17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard<br>Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness. | 5,361.81 | |
| 34 41 13 00-0060 | EA | 17' Type 23-3-100 Signal And Lighting Standard<br>Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness. | 5,361.81 | |
| 34 41 13 00-0061 | EA | 17' Type 23-4-100 Signal And Lighting Standard<br>Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness. | 5,468.60 | |
| 34 41 13 00-0062 | EA | 17' Type 27-3-100 Signal And Lighting Standard<br>Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness. | 6,002.54 | |
| 34 41 13 00-0063 | EA | 17' Type 27-4-100 Signal And Lighting Standard<br>Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness. | 6,125.32 | |
| 34 41 13 00-0064 | EA | 17' Type 28-5-100 Signal And Lighting Standard<br>Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness. | 6,377.08 | |
| 34 41 13 00-0065 | EA | 17' Type 60-5-100 Signal And Lighting Standard<br>Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness. | 6,773.59 | |
| 34 41 13 00-0066 | EA | 18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard<br>Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness. | 4,939.94 | |
| 34 41 13 00-0067 | EA | 30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard<br>Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness. | 8,859.69 | |
| 34 41 13 00-0068 | EA | 30' Type 19-2-100 Signal And Lighting Standard<br>Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness. | 9,973.97 | |
| 34 41 13 00-0069 | EA | 30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard<br>Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness. | 10,401.11 | |
| 34 41 13 00-0070 | EA | 30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard<br>Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness. | 10,401.11 | |
| 34 41 13 00-0071 | EA | 30' Type 26-3-100 Signal And Lighting Standard<br>Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness. | 11,746.60 | |
| 34 41 13 00-0072 | EA | 30' Type 26-4-100 Signal And Lighting Standard<br>Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness. | 12,262.39 | |
| 34 41 13 00-0073 | EA | 30' Type 29-5-100 Signal And Lighting Standard<br>Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness. | 12,803.93 | |
| 34 41 13 00-0074 | EA | 30' Type 61-5-100 Signal And Lighting Standard<br>Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness. | 13,656.90 | |
| 34 41 13 00-0075 | EA | 35' Type 17A-2-100 Signal And Lighting Standard<br>Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness. | 10,302.23 | |
| 34 41 13 00-0076 | EA | 35' Type 19A-2-100 Signal And Lighting Standard<br>Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness. | 11,602.22 | |
| 34 41 13 00-0077 | EA | 35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard<br>Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness. | 12,100.57 | |
| 34 41 13 00-0078 | EA | 35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard<br>Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness. | 12,100.57 | |
| 34 41 13 00-0079 | EA | 35' Type 26A-3-100 Signal And Lighting Standard<br>Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness. | 13,670.29 | |
| 34 41 13 00-0080 | EA | 35' Type 26A-4-100 Signal And Lighting Standard<br>Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness. | 14,272.04 | |
| 34 41 13 00-0081 | EA | 35' Type 29A-5-100 Signal And Lighting Standard<br>Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness. | 14,903.86 | |
| 34 41 13 00-0082 | EA | 35' Type 61A-5-100 Signal And Lighting Standard<br>Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness. | 15,898.96 | |
| 34 41 13 00-0083 | EA | 15' Steel Straight Mast Arm, MONOTUBE | 3,317.44 | |
| 34 41 13 00-0084 | EA | 20' Steel Straight Mast Arm, MONOTUBE | 3,481.72 | |
| 34 41 13 00-0085 | EA | 25' Steel Straight Mast Arm, MONOTUBE | 3,733.87 | |
| 34 41 13 00-0086 | EA | 30' Steel Straight Mast Arm, MONOTUBE | 5,084.09 | |
| 34 41 13 00-0087 | EA | 35' Steel Straight Mast Arm, MONOTUBE | 6,140.75 | |
| 34 41 13 00-0088 | EA | 40' Steel Straight Mast Arm, MONOTUBE | 6,598.38 | |
| 34 41 13 00-0089 | EA | 45' Steel Straight Mast Arm, MONOTUBE | 7,247.57 | |
| 34 41 13 00-0090 | EA | 4' Steel Curved Luminaire Mast Arm | 1,128.43 | |
| 34 41 13 00-0091 | EA | 6' Steel Curved Luminaire Mast Arm | 1,469.77 | |
| | | *For High Rise Arm, Add* | *132.65* | |
| 34 41 13 00-0092 | EA | 8' Steel Curved Luminaire Mast Arm | 1,838.98 | |
| 34 41 13 00-0093 | EA | 10' Steel Curved Luminaire Mast Arm | 2,496.76 | |
| | | *For High Rise Arm, Add* | *195.26* | |
| 34 41 13 00-0094 | EA | 12' Steel Curved Luminaire Mast Arm | 2,768.78 | |
| | | *For High Rise Arm, Add* | *230.28* | |
| 34 41 13 00-0095 | EA | 15' Steel Curved Luminaire Mast Arm | 2,907.10 | |
| | | *For High Rise Arm, Add* | *256.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 41 13 00-0096 | EA | 15' Tubular Aluminum Post | 1,187.00 | |
| 34 41 13 00-0097 | EA | 17' Tubular Aluminum Post | 1,261.56 | |
| 34 41 13 00-0098 | EA | 20' Tubular Aluminum Post | 1,400.03 | |
| 34 41 13 00-0099 | EA | CUT-OFF POLE AND CAPPED | 198.96 | |
| 34 41 13 00-0100 | EA | PAINT EXISTING SL/TS CONTROLLER COMPLETE | 59.93 | |
| 34 41 13 00-0101 | EA | PAINT EXISTING TS POST COMPLETE | 281.98 | |
| 34 41 13 00-0102 | EA | 1 Channel Loop Detector Amplifier | 1,879.37 | |
| 34 41 13 00-0103 | EA | 4 Channel Loop Detector Amplifier | 3,568.59 | |
| 34 41 13 00-0104 | EA | FLASHING BEACON WITH DOWNLIGHT | 2,576.96 | |
| 34 41 13 00-0105 | EA | Flashing Beacon, Bracket Mounted | 844.42 | |
| 34 41 13 00-0106 | EA | Flashing Beacon, Mast Arm Mounted | 844.42 | |
| 34 41 13 00-0107 | EA | Flashing Beacon, Solar Powered, Bracket Mounted | 23,382.94 | |
| 34 41 13 00-0108 | EA | Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US) | 4,279.35 | |
| 34 41 13 00-0109 | EA | Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US) | 2,297.71 | |
| 34 41 13 00-0110 | EA | Smart Sensor HD (Wavetronix HD125) | 12,233.34 | |
| 34 41 13 00-0111 | EA | Access Point (Sensys AP240-ES) | 5,656.53 | |
| | | Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality. | | |
| 34 41 13 00-0112 | EA | Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA | 9,786.50 | |
| 34 41 13 00-0113 | EA | Mounting Kit for Access Points and Repeaters (KIT-MTG) | 346.39 | |
| 34 41 13 00-0114 | EA | Repeater (Sensys RP240-B-LL) | 2,591.47 | |
| | | Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life. | | |
| 34 41 13 00-0115 | EA | Wireless Flush Mounted Sensor (Sensys VSN240-F) | 1,158.51 | |
| | | Note: Excludes coring. | | |
| 34 41 13 00-0116 | EA | Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug | 2,894.50 | |
| 34 41 13 00-0117 | EA | Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles | 7,712.26 | 1.84 |
| 34 41 13 00-0118 | EA | Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles | 10,085.73 | 1.84 |
| 34 41 13 00-0119 | EA | Pole Base Foundation for Type 15 and 21 Poles | 6,023.75 | 1.84 |
| 34 41 13 00-0120 | EA | Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles | 7,712.26 | 1.84 |
| 34 41 13 00-0121 | EA | Pole Base Foundation for 26-4-100 And 27-4-100 Poles | 10,085.73 | 1.84 |
| 34 41 13 00-0122 | EA | LED Enhanced Pedestrian Crossing Symbol Sign | 2,039.51 | 115.18 |
| | | Note: 2 required per system. | | |
| 34 41 13 00-0123 | EA | 42" Height, 8-1/2" Diameter Automatic Bollard Activation System | 5,864.46 | 691.08 |
| | | Note: 4 required per system. | | |
| 34 41 13 00-0124 | EA | Power Control Unit With Enclosure (Solar) | 20,790.52 | 460.71 |
| | | Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU). | | |
| 34 41 13 00-0125 | EA | Power Control Unit With Enclosure (A/C) | 13,320.24 | 460.71 |
| 34 41 13 00-0126 | EA | Push Button Assembly With Sign | 1,158.14 | 230.36 |
| 34 41 13 00-0127 | EA | Advanced Warning Signs | 2,305.03 | 230.36 |
| 34 41 13 00-0128 | EA | Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000) | 6,602.79 | |
| 34 41 13 00-0129 | EA | Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100) | 6,802.34 | |
| 34 41 13 00-0130 | EA | Traffic Signal Controller Unit, TS 2 Type 2 Econolite Model ASC/2S-2100 | 61,304.20 | |
| 34 41 13 00-0131 | EA | Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way | 1,235.11 | |
| 34 41 13 00-0132 | EA | Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way | 1,352.50 | |
| 34 41 13 00-0133 | EA | Optical Detector For Mast Arm Mounting, 2 Channel | 1,737.52 | |
| 34 41 13 00-0134 | EA | 2 Channel Phase Selector | 3,995.43 | |
| 34 41 13 00-0135 | EA | 4 Channel Phase Selector | 6,214.00 | |
| 34 41 13 00-0136 | EA | Malfunction Management Unit For Use With NEMA Controller | 2,004.23 | |
| 34 41 13 00-0137 | EA | Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way | 1,235.11 | 252.14 |
| 34 41 13 00-0138 | EA | Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way | 1,352.50 | 252.14 |
| 34 41 13 00-0139 | EA | Optical Detector For Pole-Side Mounting, 2 Channel | 1,737.52 | 252.14 |
| 34 41 13 00-0140 | EA | Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way | 1,235.11 | 252.14 |
| 34 41 13 00-0141 | EA | Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way | 1,352.50 | 252.14 |
| 34 41 13 00-0142 | EA | Optical Detector For Pedestal Or Pipe Mounting, 2 Channel | 1,737.52 | 252.14 |
| 34 41 13 00-0143 | EA | Optical Detector For Span Wire Mounting, 1 Channel, 1 Way | 1,235.11 | 252.14 |
| 34 41 13 00-0144 | EA | Optical Detector For Span Wire Mounting, 1 Channel, 2 Way | 1,352.50 | 252.14 |
| 34 41 13 00-0145 | EA | Optical Detector For Span Wire Mounting, 2 Channel | 1,737.52 | 252.14 |
| 34 41 13 00-0146 | EA | Optical Detector For Signal Top Mounting, 1 Channel, 1 Way | 1,235.11 | 252.14 |
| 34 41 13 00-0147 | EA | Optical Detector For Signal Top Mounting, 1 Channel, 2 Way | 1,352.50 | 252.14 |
| 34 41 13 00-0148 | EA | Optical Detector For Signal Top Mounting, 2 Channel | 1,737.52 | 252.14 |
| 34 41 13 00-0149 | EA | Time Switch, 1-Circuit | 254.16 | |
| 34 41 13 00-0150 | EA | Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal | 402.46 | |
| 34 41 13 00-0151 | EA | Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay | 526.88 | |
| 34 41 13 00-0152 | EA | Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal | 749.92 | |
| 34 41 13 00-0153 | EA | Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay | 942.43 | |
| 34 41 13 00-0154 | EA | Digital Loop-Type Vehicle Detector Card Rack With Power Supply | 2,562.34 | |
| 34 41 13 00-0155 | EA | Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet | 2,562.34 | |
| 34 41 13 00-0156 | EA | Power Line Surge Protector - Edco SHP 300-10 | 235.81 | |
| 34 41 13 00-0157 | EA | Loop Detector Surge Protector - Edco SRA-6LC | 119.51 | |
| 34 41 13 00-0158 | EA | Controller Cabinet (Econolite Type "O") | 35,122.46 | |
| 34 41 13 00-0159 | EA | Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay | 15,221.01 | |
| 34 41 13 00-0160 | EA | Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays | 16,559.19 | |
| 34 41 13 00-0161 | EA | Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay | 18,167.37 | |
| 34 41 13 00-0162 | EA | Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays | 18,660.39 | |
| 34 41 13 00-0163 | EA | Speed Limit Beacon Control Cabinet | 7,541.87 | |
| 34 41 13 00-0164 | EA | Remote Detector Cabinet | 3,902.94 | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 41 13 00-0165 | EA | Traffic Signal Hand Control | 1,100.47 | |
| 34 41 13 00-0166 | EA | Extra Pedestrian Detector Isolation Assembly | 865.69 | |
| 34 41 13 00-0167 | EA | Fiber Optic Transceivers-Repeater Module | 1,240.52 | |
| 34 41 13 00-0168 | EA | Field Transceiver-Repeater | 606.55 | |
| 34 41 13 00-0169 | EA | Load Switch | 110.47 | |
| 34 41 13 00-0170 | EA | 30" Pedestal With Base Plate And Cover | 964.78 | |
| 34 41 13 00-0171 | EA | 8' Pedestal With Base Plate And Cover | 1,419.62 | |
| 34 41 13 00-0172 | EA | 11' Pedestal With Base Plate And Cover | 1,580.07 | |
| 34 41 13 00-0173 | EA | 15' Pedestal With Base Plate And Cover | 1,755.26 | |
| 34 41 13 00-0174 | LF | 6-Fiber Interconnect Cable, Fiber Optic, Single Mode | 1.75 | |
| 34 41 13 00-0175 | LF | 12-Fiber Interconnect Cable, Fiber Optic, Single Mode | 1.87 | |
| 34 41 13 00-0176 | LF | 24-Fiber Interconnect Cable, Fiber Optic, Single Mode | 2.24 | |
| 34 41 13 00-0177 | LF | 36-Fiber Interconnect Cable, Fiber Optic, Single Mode | 2.64 | |
| 34 41 13 00-0178 | LF | 48-Fiber Interconnect Cable, Fiber Optic, Single Mode | 3.02 | |
| 34 41 13 00-0179 | LF | 72-Fiber Interconnect Cable, Fiber Optic, Single Mode | 3.73 | |
| 34 41 13 00-0180 | LF | 96-Fiber Interconnect Cable, Fiber Optic, Single Mode | 4.39 | |
| 34 41 13 00-0181 | LF | 144-Fiber Interconnect Cable, Fiber Optic, Single Mode | 5.72 | |
| 34 41 13 00-0182 | LF | 3/16" Diameter Messenger Cable | 0.75 | 0.11 |
| 34 41 13 00-0183 | LF | 1/4" Diameter Messenger Cable | 0.90 | 0.11 |
| 34 41 13 00-0184 | LF | 3/8" Diameter Messenger Cable | 1.68 | 0.11 |
| 34 41 13 00-0185 | LF | 1/2" Diameter Messenger Cable | 3.50 | 0.22 |
| 34 41 13 00-0186 | EA | 4' Diameter x 10' Concrete Base For Poles<br>Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete. | 3,093.29 | |
| 34 41 13 00-0187 | EA | 4' Diameter x 16' Concrete Base For Poles<br>Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete. | 4,888.49 | |
| 34 41 13 00-0188 | EA | Internally Illuminated Street Name Sign, 1 Line, 4' | 2,999.15 | 278.77 |
| 34 41 13 00-0189 | EA | Internally Illuminated Street Name Sign, 1 Line, 6' | 3,701.99 | 348.46 |
| 34 41 13 00-0190 | EA | Internally Illuminated Street Name Sign, 1 Line, 8' | 4,029.18 | 418.16 |
| 34 41 13 00-0191 | EA | Internally Illuminated Street Name Sign, 1 Line, 10' | 4,544.20 | 487.84 |
| 34 41 13 00-0192 | EA | Internally Illuminated Street Name Sign, 1 Line, 12' | 4,871.40 | 557.54 |
| 34 41 13 00-0193 | EA | Internally Illuminated Street Name Sign, 2 Line, 4' | 4,774.01 | 278.77 |
| 34 41 13 00-0194 | EA | Internally Illuminated Street Name Sign, 2 Line, 6' | 5,880.65 | 348.46 |
| 34 41 13 00-0195 | EA | Internally Illuminated Street Name Sign, 2 Line, 8' | 6,339.32 | 418.16 |
| 34 41 13 00-0196 | EA | Internally Illuminated Street Name Sign, 2 Line, 10' | 7,079.72 | 487.84 |
| 34 41 13 00-0197 | EA | Internally Illuminated Street Name Sign, 2 Line, 12' | 7,594.73 | 557.54 |
| 34 41 13 00-0198 | EA | Photoelectric Controller, Multi-Volt | 100.78 | 32.78 |
| 34 41 13 00-0199 | EA | Photoelectric Controller, 120 Volt | 104.29 | 32.78 |
| 34 41 13 00-0200 | EA | Photoelectric Controller, 480 Volt | 104.29 | 32.78 |
| 34 41 13 00-0201 | EA | Wi-Fi Communication Unit | 1,567.66 | 139.39 |
| 34 41 13 00-0202 | EA | Wi-Fi Communication Unit Mounting Bracket | 326.45 | 104.54 |
| 34 41 13 00-0203 | EA | Wi-Fi Communication Unit Power Supply / POE Injector | 301.38 | 69.69 |
| 34 41 13 00-0204 | EA | Wi-Fi Communication Unit Packet | 2,195.49 | 209.07 |
| 34 41 13 00-0205 | LF | Preemptor Detector Cable | 1.78 | |
| 34 41 13 00-0206 | EA | Sno-Shoe Cable Storage Assembly | 280.85 | |

## 34 41 13 00-0207 Traffic Signal Cable *(34 41 13)*

| | | | | |
|---|---|---|---|---|
| 34 41 13 00-0208 | LF | 16 AWG, 2-Conductor, Solid, Traffic Signal Cable | 2.37 | 0.96 |
| 34 41 13 00-0209 | LF | 16 AWG, 3-Conductor, Solid, Traffic Signal Cable | 2.70 | 1.04 |
| 34 41 13 00-0210 | LF | 16 AWG, 4-Conductor, Solid, Traffic Signal Cable | 3.01 | 1.11 |
| 34 41 13 00-0211 | LF | 16 AWG, 5-Conductor, Solid, Traffic Signal Cable | 3.31 | 1.18 |
| 34 41 13 00-0212 | LF | 16 AWG, 6-Conductor, Solid, Traffic Signal Cable | 3.68 | 1.24 |
| 34 41 13 00-0213 | LF | 16 AWG, 8-Conductor, Solid, Traffic Signal Cable | 4.34 | 1.38 |
| 34 41 13 00-0214 | LF | 16 AWG, 10-Conductor, Solid, Traffic Signal Cable | 5.12 | 1.59 |
| 34 41 13 00-0215 | LF | 16 AWG, 12-Conductor, Solid, Traffic Signal Cable | 5.91 | 1.79 |
| 34 41 13 00-0216 | LF | 16 AWG, 16-Conductor, Solid, Traffic Signal Cable | 7.09 | 2.01 |
| 34 41 13 00-0217 | LF | 16 AWG, 20-Conductor, Solid, Traffic Signal Cable | 8.54 | 2.21 |
| 34 41 13 00-0218 | LF | 14 AWG, 2-Conductor, Solid, Traffic Signal Cable | 2.48 | 0.96 |
| 34 41 13 00-0219 | LF | 14 AWG, 3-Conductor, Solid, Traffic Signal Cable | 2.85 | 1.04 |
| 34 41 13 00-0220 | LF | 14 AWG, 4-Conductor, Solid, Traffic Signal Cable | 3.21 | 1.11 |
| 34 41 13 00-0221 | LF | 14 AWG, 5-Conductor, Solid, Traffic Signal Cable | 3.55 | 1.18 |
| 34 41 13 00-0222 | LF | 14 AWG, 6-Conductor, Solid, Traffic Signal Cable | 3.98 | 1.24 |
| 34 41 13 00-0223 | LF | 14 AWG, 8-Conductor, Solid, Traffic Signal Cable | 4.73 | 1.38 |
| 34 41 13 00-0224 | LF | 14 AWG, 10-Conductor, Solid, Traffic Signal Cable | 5.60 | 1.59 |
| 34 41 13 00-0225 | LF | 14 AWG, 12-Conductor, Solid, Traffic Signal Cable | 6.49 | 1.79 |
| 34 41 13 00-0226 | LF | 14 AWG, 16-Conductor, Solid, Traffic Signal Cable | 7.86 | 2.01 |
| 34 41 13 00-0227 | LF | 14 AWG, 20-Conductor, Solid, Traffic Signal Cable | 9.56 | 2.21 |
| 34 41 13 00-0228 | LF | 12 AWG, 2-Conductor, Solid, Traffic Signal Cable | 2.74 | 0.96 |
| 34 41 13 00-0229 | LF | 12 AWG, 3-Conductor, Solid, Traffic Signal Cable | 3.23 | 1.04 |
| 34 41 13 00-0230 | LF | 12 AWG, 4-Conductor, Solid, Traffic Signal Cable | 3.69 | 1.11 |
| 34 41 13 00-0231 | LF | 12 AWG, 5-Conductor, Solid, Traffic Signal Cable | 4.12 | 1.18 |
| 34 41 13 00-0232 | LF | 12 AWG, 6-Conductor, Solid, Traffic Signal Cable | 4.70 | 1.24 |
| 34 41 13 00-0233 | LF | 12 AWG, 8-Conductor, Solid, Traffic Signal Cable | 5.67 | 1.38 |
| 34 41 13 00-0234 | LF | 12 AWG, 10-Conductor, Solid, Traffic Signal Cable | 6.76 | 1.59 |
| 34 41 13 00-0235 | LF | 12 AWG, 12-Conductor, Solid, Traffic Signal Cable | 7.87 | 1.79 |
| 34 41 13 00-0236 | LF | 12 AWG, 16-Conductor, Solid, Traffic Signal Cable | 9.71 | 2.01 |
| 34 41 13 00-0237 | LF | 12 AWG, 20-Conductor, Solid, Traffic Signal Cable | 12.03 | 2.21 |

## 34 41 13 00-0238 School Zone Flasher Beacons *(34 41 13)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 41 13 00-0239 | EA | One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly<br>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher. | 6,221.86 | 209.89 |
| 34 41 13 00-0240 | EA | One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly<br>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher. | 6,266.46 | 209.89 |
| 34 41 13 00-0241 | EA | Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly<br>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher. | 7,023.67 | 209.89 |
| 34 41 13 00-0242 | EA | Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly<br>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher. | 7,166.40 | 209.89 |
| 34 41 13 00-0243 | EA | 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly<br>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher. | 13,194.18 | 209.89 |
| 34 41 13 00-0244 | EA | 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly<br>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher. | 13,753.51 | 209.89 |
| **34 41 13 00-0245** | | **Traffic Light Control Synchronization** *(34 41 13)* | | |
| 34 41 13 00-0246 | EA | ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput | 5,402.58 | |
| 34 41 13 00-0247 | EA | ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R) | 4,023.73 | |
| 34 41 13 00-0248 | EA | ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24) | 9,174.88 | |
| 34 41 13 00-0249 | EA | 5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT) | 6,288.13 | |
| 34 41 13 00-0250 | EA | 2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT) | 6,288.13 | |
| 34 41 13 00-0251 | EA | Solar Cabinet Assembly | 16,893.02 | |
| 34 41 13 00-0252 | EA | Data Controller Interface Cable Assembly | 663.04 | |
| 34 41 13 00-0253 | EA | 900 MHZ Splitter | 794.82 | |
| 34 41 13 00-0254 | EA | 900 MHz Surge Suppressor | 287.26 | |
| 34 41 13 00-0255 | EA | Surge-Radio Lead in Cable | 180.80 | |
| 34 41 13 00-0256 | EA | 12DB GAIN YAGI Antenna | 803.79 | |
| 34 41 13 00-0257 | EA | PELCO Antenna Mounting Bracket | 531.68 | |
| 34 41 13 00-0258 | MLF | Coaxial Cable, LMR-400 | 4,377.81 | |
| 34 41 13 00-0259 | EA | Perle 16 Port Serial Server | 4,485.69 | |
| 34 41 13 00-0260 | EA | Serial to Ethernet Card | 2,416.87 | |
| 34 41 13 00-0261 | EA | 404 Stand-Alone Modem (GDI 404) | 2,211.26 | |
| **34 41 13 00-0262** | | **Traffic Signal Controls** *(34 41 13)* | | |
| 34 41 13 00-0263 | EA | Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2) | 1,901.46 | |
| 34 41 13 00-0264 | EA | Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2) | 802.34 | |
| 34 41 13 00-0265 | EA | AccessBox for contract closure master card (CC-ACC) | 282.29 | |
| 34 41 13 00-0266 | EA | Flush Mount Wireless Sensor (ATT VSN240-F) | 1,086.12 | |
| 34 41 13 00-0267 | EA | Flush Mount Wireless Sensor (Speed & Count VSN240-F) | 1,086.12 | |
| 34 41 13 00-0268 | EA | Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX) | 167.21 | |
| 34 41 13 00-0269 | EA | SNAPS License for each enabled AP (SNAPS-PER-AP) | 461.54 | |
| **34 41 13 00-0270** | | **Traffic Signal Devices** *(34 41 13)* | | |
| 34 41 13 00-0271 | EA | 12" Polycarbonate Signal Head Housing (McCain ) | 1,010.89 | 103.66 |
| 34 41 13 00-0272 | EA | 16" Polycarbonate Pedestrian Signal Housing (McCain ) | 512.81 | 80.63 |
| 34 41 13 00-0273 | EA | Pedestrian Push Button Cap & Switch (McCain M31334) | 379.83 | 149.74 |
| 34 41 13 00-0274 | EA | Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712) | 518.04 | 218.84 |
| 34 41 13 00-0275 | EA | Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793) | 397.76 | 172.77 |
| 34 41 13 00-0276 | EA | 16 Channel Conflict Monitor (McCain 2010 ECLip) | 1,525.84 | 74.86 |
| 34 41 13 00-0277 | EA | LED Countdown Head (McCain GTX PS7-CFF1-VLA) | 312.72 | 28.79 |
| 34 41 13 00-0278 | EA | Traffic signal Video Detection Camera (Iteris RZ4-awdr) | 3,457.60 | 126.70 |
| 34 41 13 00-0279 | EA | Camera processor card (Iteris Edge Connect) | 7,901.95 | 184.29 |
| 34 41 13 00-0280 | EA | Wireless Broadband Radio (Encom BB58) | 7,462.06 | 172.77 |
| 34 41 13 00-0281 | EA | 24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900) | 4,927.03 | 138.22 |
| 34 41 13 00-0282 | EA | Power Adapter (Mean Well DR-120-48) | 169.97 | 43.20 |
| 34 41 13 00-0283 | LF | 14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452) | 0.98 | |
| 34 41 13 00-0284 | EA | Radar Detection System (Wavetronix Matrix) | 14,269.52 | 437.68 |
| 34 41 13 00-0285 | EA | Pedestrian Audio Push Button (Polara APS ) | 419.29 | 109.42 |
| 34 41 13 00-0286 | EA | Opticom Infrared System - Detector (GTT 711) | 1,101.45 | 102.74 |
| 34 41 13 00-0287 | EA | Opticom Infrared System - Detector (GTT 721) | 1,232.34 | 114.95 |
| 34 41 13 00-0288 | EA | Opticom Infrared System - Detector (GTT 722) | 1,716.39 | 160.10 |
| 34 41 13 00-0289 | EA | Opticom Multimode Phase Selector (GTT 764) | 5,715.88 | 94.70 |
| 34 41 13 00-0290 | LF | Opticom GPS Installation Cable (GTT 1070) | 1.18 | |
| 34 41 13 00-0291 | EA | Precast Concrete Traffic Pull Box, 5-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324) | 951.15 | |
| 34 41 13 00-0292 | EA | Precast Concrete Traffic Pull Box, 6-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730) | 1,008.88 | |
| 34 41 13 00-0293 | EA | UPS Module (Alpha Technologies FXM 350)<br>Note: For battery backup in traffic signal control cabinet | 1,548.25 | 63.03 |
| 34 41 13 00-0294 | EA | Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual)<br>Note: To control flashing "School" signs | 485.25 | 51.83 |
| 34 41 13 00-0295 | LF | Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR ) | 10.92 | 0.53 |
| 34 41 13 00-0296 | LF | Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber) | 2.62 | 0.45 |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 41 13 00-0297 | EA | 12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA) | 142.63 | 51.83 |
| 34 41 13 00-0298 | EA | 12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA) | 142.63 | 51.83 |
| 34 41 13 00-0299 | EA | 12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA) | 142.63 | 51.83 |
| 34 41 13 00-0300 | EA | 12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA) | 142.63 | 51.83 |
| 34 41 13 00-0301 | EA | 12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA) | 142.63 | 51.83 |
| 34 41 13 00-0302 | EA | 12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA) | 142.63 | 51.83 |
| 34 41 13 00-0303 | EA | LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA) | 422.03 | 132.45 |
| 34 41 13 00-0304 | EA | EOC Switch (Actellis ML688) | 5,651.01 | 409.72 |
| 34 41 13 00-0305 | EA | Ethernet Extender Kit (ENABLE-IT 860 Pro) | 1,523.35 | 94.55 |
| 34 41 13 00-0306 | EA | #5 pull box lid (Concrete, Bolt down) (Christy N30T) | 116.46 | 22.53 |
| 34 41 13 00-0307 | EA | #5 pull box lid (Steel, Bolt down) (Christy N30-61J) | 430.57 | 32.61 |
| 34 41 13 00-0308 | EA | #6 pull box lid (Concrete, Bolt down) (Christy N36T) | 146.42 | 22.53 |
| 34 41 13 00-0309 | EA | #6 pull box lid (Steel, Bolt down) (Christy N36-61J) | 523.29 | 32.61 |
| 34 41 13 00-0310 | EA | Battery Back-up (Alpha FXM110 UPS) | 3,669.50 | 126.07 |
| 34 41 13 00-0311 | EA | Battery (Alpha AlphaCell 220GXL) | 518.67 | 31.52 |
| 34 41 13 00-0312 | EA | BBS Cabinet (Alpha SE48-1616) | 4,212.48 | 283.65 |
| 34 41 13 00-0313 | LF | Fiber 72 Strands (Corning 072ZU4-T3F22D20) | 6.29 | 2.46 |
| 34 41 13 00-0314 | LF | Fiber 12 Strands (Corning 012ZU4-T3F22D20) | 2.76 | 1.13 |
| 34 41 13 00-0315 | EA | FDU & Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE) | 1,308.34 | 94.55 |
| 34 41 13 00-0316 | EA | 12" THREE SECTION HOUSING (McCain M22435) | 900.67 | 63.03 |
| 34 41 13 00-0317 | EA | 12" FOUR SECTION HOUSING (McCain M30883) | 1,157.35 | 94.55 |
| 34 41 13 00-0318 | EA | 12" FIVE SECTION HOUSING (McCain M31769) | 1,351.00 | 94.55 |
| 34 41 13 00-0319 | EA | 12" CLUSTER, WITHOUT MAS (McCain M30987) | 1,447.82 | 94.55 |
| 34 41 13 00-0320 | EA | CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650) | 900.67 | 63.03 |
| 34 41 13 00-0321 | EA | NAVIGATOR iN2 APS 2 WIRE PPB #iN250N0-B (Polara iN250N0-B) | 900.67 | 63.03 |
| 34 41 13 00-0322 | EA | NAVIGATOR iN2 CONTROLLER RACK MOUNT iCCU-C (Polara iCCU-C) | 5,282.49 | 220.62 |
| 34 41 13 00-0323 | EA | NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polara iN2-ICB-C) | 256.68 | 31.52 |
| 34 41 13 00-0324 | EA | NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polara iN2-150-WPS-C) | 256.68 | 31.52 |
| 34 41 13 00-0325 | EA | NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polara iN2-c4cable-C) | 578.67 | 47.27 |
| 34 41 13 00-0326 | EA | 12" Visor (McCain M19302) | 44.57 | 12.61 |
| 34 41 13 00-0327 | EA | LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256) | 481.85 | 47.27 |
| 34 41 13 00-0328 | EA | SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258) | 803.85 | 63.03 |
| 34 41 13 00-0329 | EA | CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259) | 1,496.24 | 94.55 |
| 34 41 13 00-0330 | EA | ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487) | 803.85 | 63.03 |
| 34 41 13 00-0331 | EA | HARN, SB1/SB2,COMM EXTENSION (McCain M48062) | 159.85 | 31.52 |
| 34 41 13 00-0332 | EA | ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489) | 481.85 | 47.27 |
| 34 41 13 00-0333 | EA | CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650) | 900.67 | 63.03 |
| 34 41 13 00-0334 | EA | 242L ISOLATOR, EDI (McCain M56812) | 159.85 | 31.52 |
| 34 41 13 00-0335 | EA | EDI 222 DETECTOR (McCain M11407) | 208.27 | 31.52 |
| 34 41 13 00-0336 | EA | ALPHA BBS, INVERTER & BYPASS SWITCH (McCain M59763) | 3,607.22 | 157.58 |
| 34 41 13 00-0337 | EA | GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2) | 590.83 | 63.03 |
| 34 41 13 00-0338 | EA | BBS BATTERY, ALPHACELL 165GXL (McCain M59884) | 803.85 | 63.03 |
| 34 41 13 00-0339 | EA | Battery Backup Cabinet Anondize 44x26x12 (McCain M64438A) | 1,689.89 | 94.55 |

## 34 41 16 Traffic Control Equipment *(34 41)*

### 34 41 16 00-0001 Transportation Control Equipment *(34 41 16)*

| | | | | |
|---|---|---|---|---|
| 34 41 16 00-0002 | EA | CONTROLLER/SL/POLE MTD/1-PHASE/100A | 11,564.95 | 963.43 |
| 34 41 16 00-0003 | EA | CONTROLLER/SL/ON EMB POLE 1-PH/100A | 11,675.93 | 1,018.90 |
| 34 41 16 00-0004 | EA | CONTROLLER, SL, 3-PHASE, 100A, BASE MTD | 14,308.39 | 1,030.90 |
| 34 41 16 00-0005 | EA | CONTROLLER, SL, 3-PHASE, 200A, BASE MTD | 16,999.59 | 1,251.67 |
| 34 41 16 00-0006 | EA | CONTROLLER/SL/BASE MTD/1-PHASE/100A | 14,128.77 | 617.48 |
| 34 41 16 00-0007 | EA | CONTROLLER/SL/BASE MTD/1-PHASE/200A | 15,667.89 | 676.02 |
| 34 41 16 00-0008 | EA | CONTROLLER, TS, 12-BAY, "M" CABINET | 25,826.20 | 1,062.81 |
| 34 41 16 00-0009 | EA | CONTROLLER, TS, 12-BAY, "P" CABINET | 27,471.15 | 1,177.80 |
| 34 41 16 00-0010 | EA | CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER | 39,437.27 | 1,324.16 |
| 34 41 16 00-0011 | EA | CONTROLLER, TS, 16-BAY, "P" CABINET | 31,161.87 | 1,254.46 |
| 34 41 16 00-0012 | EA | CONTROLLER, PEDESTRIAN CROSSING, ADD-IN | 878.20 | 147.33 |
| 34 41 16 00-0013 | EA | CONCRETE BLOCK PEDESTAL | 817.96 | 221.21 |
| 34 41 16 00-0014 | WK | MAINTAIN EXIST TS INSTALLATION | 350.17 | 175.08 |
| 34 41 16 00-0015 | EA | INST SIGN BOARDS, ST. NAME | 624.49 | 291.73 |
| 34 41 16 00-0016 | EA | F.O. ADD-IN FOR LOCAL CONTROLLER | 13,168.43 | 394.26 |
| 34 41 16 00-0017 | EA | F.O. ADD-IN FOR MASTER CONTROLLER | 31,958.40 | 591.56 |
| 34 41 16 00-0018 | EA | PDU Equipped netBooter With IEC320 C13 Outlets (Synaccess NP-0808DUH) | 1,105.44 | 16.41 |
| 34 41 16 00-0019 | EA | Remote Power Switched netBooter PDU, 8 Independent Outlets (Synaccess NP-0801DU) | 627.33 | 16.41 |

### 34 41 16 00-0020 Transportation Cabinets *(34 41 16)*

### 34 41 16 00-0021 Transportation Cabinets (Dudlik Enclosures) *(34 41 16 00-0020)*

| | | | | |
|---|---|---|---|---|
| 34 41 16 00-0022 | EA | 50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures) | 2,888.32 | 189.10 |
| 34 41 16 00-0023 | EA | 66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures) | 12,401.47 | 189.10 |
| 34 41 16 00-0024 | EA | 46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures) | 2,698.48 | 189.10 |
| 34 41 16 00-0025 | EA | 50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures) | 2,888.32 | 189.10 |
| 34 41 16 00-0026 | EA | 60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures) | 12,823.34 | 189.10 |
| 34 41 16 00-0027 | EA | 55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures) | 1,854.74 | 189.10 |

### 34 41 16 00-0028 Transportation Cabinets (APX Enclosures) *(34 41 16 00-0020)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 41 16 00-0029 | EA | 28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017)<br>Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad. | 7,073.26 | 220.62 |
| **34 41 16 00-0030** | | **Transportation Cabinets (Transportation Control Systems)** *(34 41 16 00-0020)* | | |
| 34 41 16 00-0031 | EA | 30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S) | 2,722.74 | 189.10 |
| 34 41 16 00-0032 | EA | 30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S) | 3,399.23 | 201.71 |
| **34 41 16 00-0033** | | **Transportation Cabinets (McCain)** *(34 41 16 00-0020)* | | |
| 34 41 16 00-0034 | EA | 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352i)<br>Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad. | 12,922.54 | 220.62 |
| 34 41 16 00-0035 | EA | 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332)<br>Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad. | 12,922.54 | 220.62 |
| 34 41 16 00-0036 | EA | ATC ColdFire Controller (McCain 170) | 6,604.08 | |
| **34 41 16 00-0037** | | **Traffic Control Equipment** *(34 41 16)* | | |
| 34 41 16 00-0038 | EA | ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15) | 323.19 | 63.03 |
| 34 41 16 00-0039 | EA | ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M) | 429.99 | 63.03 |
| 34 41 16 00-0040 | EA | ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M) | 497.83 | 63.03 |
| 34 41 16 00-0041 | EA | ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30) | 382.49 | 63.03 |
| 34 41 16 00-0042 | MLF | 10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R) | 2,997.03 | 691.08 |
| 34 41 16 00-0043 | EA | Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02) | 128.16 | 31.52 |
| 34 41 16 00-0044 | EA | Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141) | 595.80 | 69.97 |
| 34 41 16 00-0045 | EA | Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003) | 3,155.08 | 209.89 |
| 34 41 16 00-0046 | EA | Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204) | 573.19 | 31.52 |
| 34 41 16 00-0047 | EA | Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114) | 822.84 | 31.52 |
| 34 41 16 00-0048 | EA | 4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104) | 940.15 | 63.03 |
| 34 41 16 00-0049 | EA | Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix Smartsensor (Wavetronix WX-SS-B01-0005) | 4,163.90 | 63.03 |
| 34 41 16 00-0050 | EA | 50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060) | 419.78 | 209.89 |
| 34 41 16 00-0051 | EA | 60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060) | 593.40 | 52.47 |
| 34 41 16 00-0052 | EA | 900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119) | 508.97 | 69.97 |
| 34 41 16 00-0053 | EA | 900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120) | 313.59 | 69.97 |
| 34 41 16 00-0054 | EA | Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201) | 356.10 | 31.52 |
| 34 41 16 00-0055 | EA | 24 Volt DC 2 Amperes, Wavetronix Smartsensor (Wavetronix WX-CLK-202) | 432.08 | 31.52 |
| 34 41 16 00-0056 | EA | Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250) | 193.28 | 31.52 |
| 34 41 16 00-0057 | EA | Power, RS232/RS485 Surge, Wavetronix Smartsensor (Wavetronix WX-CLK-200) | 584.04 | 31.52 |
| 34 41 16 00-0058 | EA | Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222) | 660.02 | 31.52 |
| 34 41 16 00-0059 | EA | RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304) | 822.84 | 31.52 |
| 34 41 16 00-0060 | EA | Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301) | 63.03 | 31.52 |
| 34 41 16 00-0061 | EA | Sensor Mount, Heavy-Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611) | 519.82 | 69.97 |
| 34 41 16 00-0062 | MLF | LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400) | 3,539.75 | 691.08 |
| 34 41 16 00-0063 | EA | N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC) | 61.70 | 18.91 |
| 34 41 16 00-0064 | EA | Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E) | 1,068.06 | 75.64 |
| 34 41 16 00-0065 | EA | Spectra III Clear Pendant Lower Dome, Heavy-Duty (Pelco ld53hdpb-1) | 1,033.46 | 94.55 |
| 34 41 16 00-0066 | EA | 24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000 ) | 221.19 | 31.52 |
| 34 41 16 00-0067 | EA | 10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010) | 161.13 | 31.52 |
| 34 41 16 00-0068 | EA | 24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2) | 557.23 | 31.52 |
| 34 41 16 00-0069 | EA | Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE) | 227.91 | 31.52 |
| 34 41 16 00-0070 | EA | 120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600) | 87.73 | 31.52 |
| 34 41 16 00-0071 | EA | Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009)<br>Note: Input/Output for sign peripherals. | 777.33 | 63.03 |
| 34 41 16 00-0072 | EA | Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009)<br>Note: Input/Output for sign peripherals. | 777.33 | 63.03 |
| 34 41 16 00-0073 | EA | Control Area Network Distribution Board (Daktronics 0P-1248-0005)<br>Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller. | 1,482.87 | 63.03 |
| 34 41 16 00-0074 | EA | Control Area Network Distribution Board (Daktronics 0P-1248-0011)<br>Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller. | 1,482.87 | 63.03 |
| 34 41 16 00-0075 | EA | Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019)<br>Note: Measures temperature and detects light and reports to CAN Dist Board. | 495.12 | 63.03 |
| 34 41 16 00-0076 | EA | Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015)<br>Note: Measures temperature and detects light and humidity and reports to CAN Dist board. | 712.21 | 63.03 |
| 34 41 16 00-0077 | EA | Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021)<br>Note: Measures temperature and detects light and humidity and reports to CAN Dist board. | 712.21 | 63.03 |
| 34 41 16 00-0078 | EA | Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003)<br>Note: Measures temperature and detects light and reports to CAN Dist board. | 581.95 | 63.03 |
| 34 41 16 00-0079 | EA | Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016)<br>Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information. | 10,273.21 | 252.14 |
| 34 41 16 00-0080 | EA | DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025)<br>Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Dist Board, providing power redundancy. | 432.08 | 31.52 |
| 34 41 16 00-0081 | EA | Driver (Daktronics 0P-1100-0026)<br>Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF. | 817.24 | 50.43 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 41 16 00-0082 | EA | External Temp Sensor (Daktronics 0P-1100-0014)<br>Note: Sensor that measures ambient temperature. | 719.55 | 50.43 |
| 34 41 16 00-0083 | EA | Internal Temp Sensor (Daktronics 0P-1100-0038)<br>Note: Sensor that measures sign internal temperature. | 806.38 | 50.43 |
| 34 41 16 00-0084 | EA | Light Level Detector (Daktronics 0P-1151-0002)<br>Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness. | 480.75 | 50.43 |
| 34 41 16 00-0085 | EA | Module (Daktronics 0A-1253-0608)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display. | 1,482.87 | 63.03 |
| 34 41 16 00-0086 | EA | Module (Daktronics 0A-1253-3018)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display. | 1,862.77 | 63.03 |
| 34 41 16 00-0087 | EA | Module (Daktronics 0A-1266-5002)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display. | 1,645.68 | 63.03 |
| 34 41 16 00-0088 | EA | Module (Daktronics 0A-1332-6252)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display. | 2,296.95 | 63.03 |
| 34 41 16 00-0089 | EA | Module (Daktronics 0A-1332-6455)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display. | 1,862.77 | 63.03 |
| 34 41 16 00-0090 | EA | Module (Daktronics 0A-1332-6654)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display. | 1,862.77 | 63.03 |
| 34 41 16 00-0091 | EA | Module (Daktronics 0P-1332-3015)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display. | 994.42 | 63.03 |
| 34 41 16 00-0092 | EA | Module (Daktronics 0P-1332-4116)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display. | 994.42 | 63.03 |
| 34 41 16 00-0093 | EA | Module (Daktronics 0P-1332-5031)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display. | 994.42 | 63.03 |
| 34 41 16 00-0094 | EA | Module (Daktronics 0P-1332-5017)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display. | 994.42 | 63.03 |
| 34 41 16 00-0095 | EA | Module Without Pan (Daktronics 0A-1253-0603)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign. | 1,482.87 | 63.03 |
| 34 41 16 00-0096 | EA | Module Without Pan (Daktronics 0A-1253-1605)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign. | 1,482.87 | 63.03 |
| 34 41 16 00-0097 | EA | Module Without Pan (Daktronics 0A-1254-1601)<br>Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign. | 1,482.87 | 63.03 |
| 34 41 16 00-0098 | EA | Pixel Strip (Daktronics 0P-1100-0016)<br>Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip. | 505.97 | 63.03 |
| 34 41 16 00-0099 | EA | Pixel Strip (Daktronics 0P-1100-0029)<br>Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip. | 592.81 | 63.03 |
| 34 41 16 00-0100 | EA | Power Supply (Daktronics A-1593)<br>Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules. | 1,754.23 | 63.03 |
| 34 41 16 00-0101 | EA | Power Supply (Daktronics A-1648)<br>Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules. | 1,754.23 | 63.03 |
| 34 41 16 00-0102 | EA | Power Supply (Daktronics A-2307)<br>Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules. | 668.79 | 63.03 |
| 34 41 16 00-0103 | EA | Surge Suppressor (Daktronics A-1129)<br>Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules. | 271.02 | 37.82 |
| 34 41 16 00-0104 | EA | Surge Suppressor (Daktronics A-1412)<br>Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules. | 564.09 | 37.82 |
| 34 41 16 00-0105 | EA | Surge Suppressor (Daktronics A-1772)<br>Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules. | 564.09 | 37.82 |
| 34 41 16 00-0106 | EA | Surge Suppressor (Daktronics A-2139)<br>Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules. | 835.45 | 37.82 |
| 34 41 16 00-0107 | EA | VCB, Vanguard Control Board (Daktronics 0P-1248-0022)<br>Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics. | 1,417.74 | 63.03 |
| 34 41 16 00-0108 | EA | VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001)<br>Note: Input/Output board for sign peripherals. | 1,917.04 | 63.03 |
| 34 41 16 00-0109 | EA | Power Supply Assembly (Daktronics A-1856R) | 1,265.78 | 63.03 |
| 34 41 16 00-0110 | EA | Power Supply Isolation Board (Daktronics 0P-1447-2000) | 831.60 | 63.03 |
| 34 41 16 00-0111 | EA | Ventilation/Circulation Fan (Daktronics B-1075) | 310.59 | 63.03 |
| 34 41 16 00-0112 | EA | VMS Controller (V2) (Daktronics 0A-1248-0028) | 10,273.21 | 252.14 |
| 34 41 16 00-0113 | EA | Photo/Temp Sensor (Daktronics 0P-1247-0015) | 712.21 | 63.03 |
| 34 41 16 00-0114 | EA | Defog Fan (Daktronics B-1053) | 117.30 | 31.52 |
| 34 41 16 00-0115 | EA | Defog Heater (Daktronics A-1792) | 149.87 | 31.52 |
| 34 41 16 00-0116 | EA | Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF) | 940.15 | 63.03 |
| 34 41 16 00-0117 | EA | Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF) | 940.15 | 63.03 |
| 34 41 16 00-0118 | EA | 1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R) | 1,225.91 | 63.13 |
| 34 41 16 00-0119 | EA | 1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E) | 1,225.91 | 63.13 |
| 34 41 16 00-0120 | EA | 16-Port Video Encoder Featuring H.264 Technology (Verint S1816E) | 6,640.87 | 63.13 |
| 34 41 16 00-0121 | EA | Encoder H.264 Compact, Hiperfmc (Verint S1802E) | 1,584.43 | 63.13 |
| 34 41 16 00-0122 | EA | 110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261) | 215.14 | 31.52 |
| 34 41 16 00-0123 | EA | 1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E) | 754.72 | 63.13 |
| 34 41 16 00-0124 | EA | Single/Quad-Stream Decoder (Bosch VIP-XD) | 1,972.51 | 63.13 |
| 34 41 16 00-0125 | EA | 1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4) | 300.17 | 63.03 |
| 34 41 16 00-0126 | EA | 4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B) | 655.44 | 63.03 |
| 34 41 16 00-0127 | EA | 12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750) | 300.15 | 15.78 |
| 34 41 16 00-0128 | EA | Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B) | 3,803.19 | 126.07 |
| 34 41 16 00-0129 | EA | Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1) | 235.15 | 31.52 |
| 34 41 16 00-0130 | EA | 4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM) | 3,454.66 | 63.03 |
| 34 41 16 00-0131 | EA | 208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM) | 8,098.40 | 312.01 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 41 16 00-0132 | EA | 30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB) | 1,079.78 | 163.89 |
| 34 41 16 00-0133 | EA | 30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30) | 26.23 | 10.08 |
| 34 41 16 00-0134 | EA | 60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy-Duty, Safety Switch (Square D H362DS) | 2,815.14 | 126.07 |
| 34 41 16 00-0135 | EA | 60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60) | 59.18 | 10.08 |
| 34 41 16 00-0136 | EA | 50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820) | 2,504.16 | 69.97 |
| 34 41 16 00-0137 | EA | Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810) | 135.18 | 47.90 |
| 34 41 16 00-0138 | EA | 12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (Multilink 10-4469) | 391.85 | 63.03 |
| 34 41 16 00-0139 | EA | Single AC Inlet, 8 Nema 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT) | 704.45 | 16.41 |
| 34 41 16 00-0140 | EA | Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT(H)) | 759.29 | 16.41 |
| 34 41 16 00-0141 | EA | 550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027) | 402.06 | 25.21 |
| 34 41 16 00-0142 | EA | 10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E) | 4,854.14 | 151.28 |
| 34 41 16 00-0143 | EA | 12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC) | 178.32 | 28.99 |
| 34 41 16 00-0144 | EA | 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK) | 45.48 | 6.30 |
| 34 41 16 00-0145 | EA | 170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC) | 1,529.67 | 63.03 |
| 34 41 16 00-0146 | EA | 12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E ) | 5,275.85 | 126.07 |
| 34 41 16 00-0147 | EA | 2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000) | 3,553.87 | 208.01 |
| 34 41 16 00-0148 | EA | 100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS) | 814.42 | 360.56 |
| 34 41 16 00-0149 | EA | 70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S) | 567.53 | 252.14 |
| 34 41 16 00-0150 | EA | 60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260) | 117.81 | 34.04 |
| 34 41 16 00-0151 | EA | 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515) | 89.43 | 22.69 |
| 34 41 16 00-0152 | EA | 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120) | 69.81 | 22.69 |
| 34 41 16 00-0153 | EA | 20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120) | 69.81 | 22.69 |
| 34 41 16 00-0154 | EA | One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4) | 300.17 | 63.03 |
| 34 41 16 00-0155 | EA | DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC) | 331.86 | 31.57 |
| 34 41 16 00-0156 | EA | H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC) | 3,108.04 | 31.57 |
| 34 41 16 00-0157 | EA | Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC) | 606.22 | 16.41 |
| 34 41 16 00-0158 | EA | Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version) | 12,485.23 | 209.89 |
| 34 41 16 00-0159 | EA | Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9) | 470.98 | 69.97 |

## 34 43 Airfield Signaling and Control Equipment *(34 40)*

### 34 43 13 Airfield Signals and Lighting *(34 43)*

#### 34 43 13 09 Airport Rotating Beacons *(34 43 13)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 09-0001 | EA | Rotating Heliport Beacon, 3 - 500 Watt Quartz Lamps | 8,971.70 | 2,303.59 |

#### 34 43 13 12 Airport Obstruction Lights *(34 43 13)*

##### 34 43 13 12-0001 Hazard Beacon Flashing Red, Two Lamps-620 Watts *(34 43 13 12)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 12-0002 | EA | Hazard Beacon Flashing Red, 2 - 620 Watt With 2 Wire Cable | 4,154.76 | 230.36 |
| 34 43 13 12-0003 | EA | Hazard Beacon Flashing Red, 2 - 620 Watt With 3 Wire Cable | 4,631.42 | 230.36 |
| 34 43 13 12-0004 | EA | Beacon Failure Alarm Relay Assembly | 1,044.61 | 230.36 |

##### 34 43 13 12-0005 Obstruction Marker Lights *(34 43 13 12)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 12-0006 | EA | Obstruction Marker Light, 1 - 69 Watt FAA Spec L-810 | 466.92 | 143.97 |
| 34 43 13 12-0007 | EA | Obstruction Marker Light, 2 - 69 Watt FAA Spec L-810 | 744.29 | 172.77 |
| 34 43 13 12-0008 | EA | Obstruction Marker Light, 1 - 116 Watt Mil Spec M16-6-7830B | 628.99 | 143.97 |
| 34 43 13 12-0009 | EA | Obstruction Marker Light, 2 - 116 Watt Mil Spec M16-6-7830B | 1,013.60 | 172.77 |
| 34 43 13 12-0010 | EA | Transfer Relay Assembly | 1,475.98 | 230.36 |

##### 34 43 13 12-0011 Solid State Flashers With Cast Aluminum Housing *(34 43 13 12)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 12-0012 | EA | Solid State Flashers, 1 Circuit, With Cast Aluminum Housing | 14,760.28 | 230.36 |
| 34 43 13 12-0013 | EA | Solid State Flashers, 2 Circuit Simultaneous Flash, With Cast Aluminum Housing | 29,174.72 | 287.95 |
| 34 43 13 12-0014 | EA | Solid State Flashers, 3 Circuit Simultaneous Flash, With Cast Aluminum Housing | 43,590.11 | 345.53 |
| 34 43 13 12-0015 | EA | Sequential Flasher | 10,626.63 | 1,248.20 |

#### 34 43 13 13 Airfield Runway Identification Lights *(34 43 13)*

##### 34 43 13 13-0001 Taxi Guidance Sign Internally Illuminated, 18" Letters *(34 43 13 13)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 13-0002 | EA | Taxi Guidance Sign 1 Face, 4' Wide Internally Illuminated, 18" Letter | 2,972.67 | 230.36 |
| | | *For LED, Add* | *502.39* | |
| 34 43 13 13-0003 | EA | Taxi Guidance Sign 1 Face, 6' Wide Internally Illuminated, 18" Letter | 4,822.56 | 287.95 |
| | | *For LED, Add* | *849.39* | |
| 34 43 13 13-0004 | EA | Taxi Guidance Sign 1 Face, 8' Wide Internally Illuminated, 18" Letter | 6,601.90 | 345.53 |
| | | *For LED, Add* | *1,182.10* | |
| 34 43 13 13-0005 | EA | Taxi Guidance Sign 1 Face, 10' Wide Internally Illuminated, 18" Letter | 8,199.92 | 345.53 |
| | | *For LED, Add* | *1,455.70* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 43 13 13-0006 | EA | Taxi Guidance Sign 2 Face, 4' Wide Internally Illuminated, 18" Letter | 3,441.69 | 345.53 |
| | | *For LED, Add* | *550.06* | |
| 34 43 13 13-0007 | EA | Taxi Guidance Sign 2 Face, 6' Wide Internally Illuminated, 18" Letter | 5,529.17 | 403.12 |
| | | *For LED, Add* | *944.72* | |
| 34 43 13 13-0008 | EA | Taxi Guidance Sign 2 Face, 8' Wide Internally Illuminated, 18" Letter | 7,546.91 | 460.71 |
| | | *For LED, Add* | *1,325.09* | |
| 34 43 13 13-0009 | EA | Taxi Guidance Sign 2 Face, 10' Wide Internally Illuminated, 18" Letter | 9,382.83 | 575.90 |
| | | *For LED, Add* | *1,646.36* | |

### 34 43 13 13-0010 Taxi Guidance Sign Internally Illuminated, 12" And 15" Letters *(34 43 13 13)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 13-0011 | EA | Taxi Guidance Sign 1 Face, 2 1/2' Wide Internally Illuminated, 12 - 15" Letters | 2,548.45 | 230.36 |
| | | *For LED, Add* | *417.55* | |
| 34 43 13 13-0012 | EA | Taxi Guidance Sign 1 Face, 4' Wide Internally Illuminated, 12 - 15" Letters | 3,930.74 | 230.36 |
| | | *For LED, Add* | *694.01* | |
| 34 43 13 13-0013 | EA | Taxi Guidance Sign 1 Face, 6' Wide Internally Illuminated, 12 - 15" Letters | 5,535.16 | 287.95 |
| | | *For LED, Add* | *991.91* | |
| 34 43 13 13-0014 | EA | Taxi Guidance Sign 1 Face, 8' Wide Internally Illuminated, 12 - 15" Letters | 6,968.92 | 345.53 |
| | | *For LED, Add* | *1,255.50* | |
| 34 43 13 13-0015 | EA | Taxi Guidance Sign 2 Face, 2 1/2' Wide Internally Illuminated, 12 - 15" Letters | 2,853.99 | 287.95 |
| | | *For LED, Add* | *455.68* | |
| 34 43 13 13-0016 | EA | Taxi Guidance Sign 2 Face, 4' Wide Internally Illuminated, 12 - 15" Letters | 4,426.94 | 287.95 |
| | | *For LED, Add* | *770.27* | |
| 34 43 13 13-0017 | EA | Taxi Guidance Sign 2 Face, 6' Wide Internally Illuminated, 12 - 15" Letters | 6,222.96 | 345.53 |
| | | *For LED, Add* | *1,106.31* | |
| 34 43 13 13-0018 | EA | Taxi Guidance Sign 2 Face, 8' Wide Internally Illuminated, 12 - 15" Letters | 9,799.98 | 403.12 |
| | | *For LED, Add* | *1,798.89* | |

### 34 43 13 13-0019 Taxi Guidance Sign Unlighted, 18" Letters *(34 43 13 13)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 13-0020 | EA | Taxi Guidance Sign 1 Face, 4' Wide Unlighted, 18" Letters | 2,085.16 | 143.97 |
| | | *For LED, Add* | *359.40* | |
| 34 43 13 13-0021 | EA | Taxi Guidance Sign 1 Face, 6' Wide Unlighted, 18" Letters | 3,820.17 | 143.97 |
| | | *For LED, Add* | *706.40* | |
| 34 43 13 13-0022 | EA | Taxi Guidance Sign 1 Face, 8' Wide Unlighted, 18" Letters | 5,541.80 | 172.77 |
| | | *For LED, Add* | *1,039.10* | |
| 34 43 13 13-0023 | EA | Taxi Guidance Sign 1 Face, 10' Wide Unlighted, 18" Letters | 6,909.79 | 172.77 |
| | | *For LED, Add* | *1,312.70* | |
| 34 43 13 13-0024 | EA | Taxi Guidance Sign 2 Face, 4' Wide Unlighted, 18" Letters | 2,381.59 | 172.77 |
| | | *For LED, Add* | *407.06* | |
| 34 43 13 13-0025 | EA | Taxi Guidance Sign 2 Face, 6' Wide Unlighted, 18" Letters | 4,354.93 | 172.77 |
| | | *For LED, Add* | *801.73* | |
| 34 43 13 13-0026 | EA | Taxi Guidance Sign 2 Face, 8' Wide Unlighted, 18" Letters | 6,232.97 | 230.36 |
| | | *For LED, Add* | *1,154.45* | |
| 34 43 13 13-0027 | EA | Taxi Guidance Sign 2 Face, 10' Wide Unlighted, 18" Letters | 6,278.25 | 230.36 |
| | | *For LED, Add* | *1,163.51* | |

### 34 43 13 13-0028 Distance Marker Sign, Internally Illuminated *(34 43 13 13)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 13-0029 | EA | Distance Marker Sign, 48" x 48" | 4,011.77 | 230.36 |

### 34 43 13 13-0030 Options And Accessories *(34 43 13 13)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 13-0031 | EA | 100 Watt Transformer Guidance Signs Accessories | 372.82 | 57.59 |
| 34 43 13 13-0032 | EA | Connection Kit For 1 Conduit Cable Guidance Signs Accessories | 199.35 | 86.38 |
| 34 43 13 13-0033 | EA | Base Housing, 12" Diameter Guidance Signs Accessories | 493.01 | 115.18 |

### 34 43 13 13-0034 Tools *(34 43 13 13)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 13-0035 | EA | Impact Nut Driver Guidance Signs Accessories | 462.35 | |
| 34 43 13 13-0036 | EA | Leveling Tool Guidance Signs Accessories | 233.56 | |
| 34 43 13 13-0037 | EA | Contact Straightener Guidance Signs Accessories | 102.48 | |
| 34 43 13 13-0038 | EA | Installation Fixture Guidance Signs Accessories | 476.65 | |
| 34 43 13 13-0039 | EA | Drill Jig Guidance Signs Accessories | 571.98 | |
| 34 43 13 13-0040 | EA | Installation And Align Tool Guidance Signs Accessories | 290.76 | |
| 34 43 13 13-0041 | EA | Prism Setting Fixture Guidance Signs Accessories | 407.92 | |
| 34 43 13 13-0042 | EA | Pressure Test Fitting Guidance Signs Accessories | 106.91 | |
| 34 43 13 13-0043 | EA | Lifting Handles Guidance Signs Accessories | 59.58 | |
| 34 43 13 13-0044 | EA | Leveling Tool Guidance Signs Accessories | 233.56 | |
| 34 43 13 13-0045 | EA | Flector Alignment Tool Guidance Signs Accessories | 190.68 | |
| 34 43 13 13-0046 | EA | Lamp Extractor Guidance Signs Accessories | 30.98 | |
| 34 43 13 13-0047 | EA | Cable Stripper/Penciller Guidance Signs Accessories | 310.01 | |

### 34 43 13 13-0048 Taxiway Marker Tubular Reflectors Post *(34 43 13 13)*

Note: With reflective strips on contract background.

| | | | | |
|---|---|---|---|---|
| 34 43 13 13-0049 | EA | Taxiway Marker Reflector Post 18" With Reflector Strips On Contract Background | 172.63 | 57.59 |
| 34 43 13 13-0050 | EA | Taxiway Marker Reflector Post 24" With Reflector Strips On Contract Background | 182.16 | 57.59 |
| 34 43 13 13-0051 | EA | Taxiway Marker Reflector Post 30" With Reflector Strips On Contract Background | 196.46 | 57.59 |
| 34 43 13 13-0052 | EA | Taxiway Marker Reflector Post 36" With Reflector Strips On Contract Background | 205.99 | 57.59 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **34 43 13 16** | | **Airfield Runway and Taxiway Inset Lighting** *(34 43 13)* | | |
| 34 43 13 16-0001 | | Runway And Taxiway Lights *(34 43 13 16)* | | |
| 34 43 13 16-0002 | | Runway In-Pavement Lights *(34 43 13 16-0001)* | | |
| 34 43 13 16-0003 | | Runway Centerline, Land And Hold Short Operations (LAHSO) *(34 43 13 16-0002)* | | |
| | | Note: L-850A. | | |
| 34 43 13 16-0004 | EA | Uni-Directional Runway Centerline Light With Shallow Base And Film Disc Cutout | 1,553.75 | 172.77 |
| 34 43 13 16-0005 | EA | Uni-Directional Runway Centerline Light With Cord Set And Film Disc Cutout | 851.71 | 115.18 |
| 34 43 13 16-0006 | EA | Uni-Directional Runway Centerline Light With Two (2) Cord Sets And Film Disc Cutout | 894.48 | 115.18 |
| 34 43 13 16-0007 | EA | Uni-Directional Runway Centerline Light With Shallow Base And Without Film Disc Cutout | 1,521.88 | 172.77 |
| 34 43 13 16-0008 | EA | Uni-Directional Runway Centerline Light With Cord Set And Without Film Disc Cutout | 842.72 | 115.18 |
| 34 43 13 16-0009 | EA | Uni-Directional Runway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout | 870.55 | 115.18 |
| 34 43 13 16-0010 | EA | Bi-Directional Runway Centerline Light With Shallow Base And Film Disc Cutout | 1,614.16 | 172.77 |
| 34 43 13 16-0011 | EA | Bi-Directional Runway Centerline Light With Cord Set And Film Disc Cutout | 882.77 | 115.18 |
| 34 43 13 16-0012 | EA | Bi-Directional Runway Centerline Light With Two (2) Cord Sets And Film Disc Cutout | 927.69 | 115.18 |
| 34 43 13 16-0013 | EA | Bi-Directional Runway Centerline Light With Shallow Base And Without Film Disc Cutout | 1,580.70 | 172.77 |
| 34 43 13 16-0014 | EA | Bi-Directional Runway Centerline Light With Cord Set And Without Film Disc Cutout | 873.34 | 115.18 |
| 34 43 13 16-0015 | EA | Bi-Directional Runway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout | 902.56 | 115.18 |
| 34 43 13 16-0016 | | Runway Touchdown Zone, Medium Intensity Approach Lighting System *(34 43 13 16-0002)* | | |
| | | Note: L-850B. | | |
| 34 43 13 16-0017 | EA | Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Shallow Base And Film Disc Cutout | 1,410.63 | 172.77 |
| 34 43 13 16-0018 | EA | Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Single Cord Set And Film Disc Cutout | 727.44 | 115.18 |
| 34 43 13 16-0019 | EA | Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Shallow Base And Without Film Disc Cutout | 1,382.03 | 172.77 |
| 34 43 13 16-0020 | EA | Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Single Cord Set And Without Film Disc Cutout | 698.86 | 115.18 |
| 34 43 13 16-0021 | | Runway Edge, Displaced Threshold *(34 43 13 16-0002)* | | |
| | | Note: L-850C. | | |
| 34 43 13 16-0022 | EA | Bi-Directional Displaced Threshold Runway Edge Light With Cord Set And Film Disc Cutout | 1,282.76 | 115.18 |
| 34 43 13 16-0023 | EA | Bi-Directional Displaced Threshold Runway Edge Light With Two (2) Cord Sets And Film Disc Cutout | 1,289.95 | 115.18 |
| 34 43 13 16-0024 | EA | Bi-Directional Displaced Threshold Runway Edge Light With Cord Set And Without Film Disc Cutout | 1,263.98 | 115.18 |
| 34 43 13 16-0025 | EA | Bi-Directional Displaced Threshold Runway Edge Light With Two (2) Cord Sets And Without Film Disc Cutout | 1,270.67 | 115.18 |
| 34 43 13 16-0026 | | Runway Threshold/End *(34 43 13 16-0002)* | | |
| | | Note: L-850D. | | |
| 34 43 13 16-0027 | EA | Uni-Directional Obscured Beam Threshold/End Light With Cord Set And Film Disc Cutout | 1,410.27 | 115.18 |
| 34 43 13 16-0028 | EA | Uni-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout | 1,432.02 | 115.18 |
| 34 43 13 16-0029 | EA | Uni-Directional Obscured Beam Threshold/End Light With Cord Set And Without Film Disc Cutout | 1,381.69 | 115.18 |
| 34 43 13 16-0030 | EA | Uni-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout | 1,386.30 | 115.18 |
| 34 43 13 16-0031 | EA | Uni-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Film Disc Cutout | 1,761.62 | 115.18 |
| 34 43 13 16-0032 | EA | Uni-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout | 1,789.84 | 115.18 |
| 34 43 13 16-0033 | EA | Uni-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Without Film Disc Cutout | 1,698.55 | 115.18 |
| 34 43 13 16-0034 | EA | Uni-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout | 1,704.42 | 115.18 |
| 34 43 13 16-0035 | EA | Bi-Directional Obscured Beam Threshold/End Light With Cord Set And Film Disc Cutout | 1,469.27 | 115.18 |
| 34 43 13 16-0036 | EA | Bi-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout | 1,492.11 | 115.18 |
| 34 43 13 16-0037 | EA | Bi-Directional Obscured Beam Threshold/End Light With Cord Set And Without Film Disc Cutout | 1,439.26 | 115.18 |
| 34 43 13 16-0038 | EA | Bi-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout | 1,444.09 | 115.18 |
| 34 43 13 16-0039 | EA | Bi-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Film Disc Cutout | 1,838.19 | 115.18 |
| 34 43 13 16-0040 | EA | Bi-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout | 1,867.81 | 115.18 |
| 34 43 13 16-0041 | EA | Bi-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Without Film Disc Cutout | 1,771.96 | 115.18 |
| 34 43 13 16-0042 | EA | Bi-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout | 1,778.12 | 115.18 |
| 34 43 13 16-0043 | | Runway Threshold, Medium Intensity Approach Lighting System *(34 43 13 16-0002)* | | |
| | | Note: L-850E. | | |
| 34 43 13 16-0044 | EA | Uni-Directional Straight Or Toe-in Runway Threshold Light With Single Cord Set And Film Disc Cutout | 1,529.53 | 115.18 |
| 34 43 13 16-0045 | EA | Uni-Directional Straight Or Toe-in Runway Threshold Light With Single Cord Set And Without Film Disc Cutout | 1,472.33 | 115.18 |
| 34 43 13 16-0046 | | Land And Hold Short Operations (LAHSO) *(34 43 13 16-0002)* | | |
| | | Note: L-850F. | | |
| 34 43 13 16-0047 | EA | Uni-Directional Runway LAHSO With Shallow Base And Film Disc Cutout | 1,859.28 | 172.77 |
| 34 43 13 16-0048 | EA | Uni-Directional Runway LAHSO With Two (2) Cord Sets And Film Disc Cutout | 936.83 | 115.18 |
| 34 43 13 16-0049 | EA | Uni-Directional Runway LAHSO With Shallow Base And Without Film Disc Cutout | 1,818.64 | 172.77 |
| 34 43 13 16-0050 | EA | Uni-Directional Runway LAHSO With Two (2) Cord Sets And Without Film Disc Cutout | 896.21 | 115.18 |
| 34 43 13 16-0051 | | Runway Guard *(34 43 13 16-0002)* | | |
| | | Note: L-852G. | | |
| 34 43 13 16-0052 | EA | Uni-Directional 105 Watt Runway Guard Light With Shallow Base | 1,362.57 | 172.77 |
| 34 43 13 16-0053 | EA | Uni-Directional 105 Watt Runway Guard Light With Two (2) Cord Sets | 1,122.01 | 172.77 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **34 43 13 16-0054** | | **Stop Bar** *(34 43 13 16-0002)* Note: L-852S. | | |
| 34 43 13 16-0055 | EA | Uni-Directional 105 Watt Stop Bar Light With Shallow Base And Film Disc Cutout | 1,353.66 | 172.77 |
| 34 43 13 16-0056 | EA | Uni-Directional 105 Watt Stop Bar Light With Cord Set And Film Disc Cutout | 951.82 | 172.77 |
| 34 43 13 16-0057 | EA | Uni-Directional 105 Watt Stop Bar Light With Shallow Base And Without Film Disc Cutout | 1,350.98 | 172.77 |
| 34 43 13 16-0058 | EA | Uni-Directional 105 Watt Stop Bar Light With Cord Set And Without Film Disc Cutout | 923.22 | 172.77 |
| **34 43 13 16-0059** | | **Taxiway In-Pavement Lights** *(34 43 13 16-0001)* | | |
| **34 43 13 16-0060** | | **Taxiway Centerline, Straight Sections; Clearance Bar (>= 1,200 or <1,200 Runway Visual Range (RVR))** *(34 43 13 16-0059)* Note: L-852A or L-852C. | | |
| 34 43 13 16-0061 | EA | Uni-Directional Straight Taxiway Centerline Light With Shallow Base And Film Disc Cutout | 1,553.75 | 172.77 |
| 34 43 13 16-0062 | EA | Uni-Directional Straight Taxiway Centerline Light With Cord Set And Film Disc Cutout | 977.49 | 115.18 |
| 34 43 13 16-0063 | EA | Uni-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout | 1,024.17 | 115.18 |
| 34 43 13 16-0064 | EA | Uni-Directional Straight Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout | 1,533.02 | 172.77 |
| 34 43 13 16-0065 | EA | Uni-Directional Straight Taxiway Centerline Light With Cord Set And Without Film Disc Cutout | 923.67 | 115.18 |
| 34 43 13 16-0066 | EA | Uni-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout | 966.99 | 115.18 |
| 34 43 13 16-0067 | EA | Bi-Directional Straight Taxiway Centerline Light With Shallow Base And Film Disc Cutout | 1,609.16 | 172.77 |
| 34 43 13 16-0068 | EA | Bi-Directional Straight Taxiway Centerline Light With Cord Set And Film Disc Cutout | 1,011.77 | 115.18 |
| 34 43 13 16-0069 | EA | Bi-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout | 1,057.47 | 115.18 |
| 34 43 13 16-0070 | EA | Bi-Directional Straight Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout | 1,587.47 | 172.77 |
| 34 43 13 16-0071 | EA | Bi-Directional Straight Taxiway Centerline Light With Cord Set And Without Film Disc Cutout | 955.47 | 115.18 |
| 34 43 13 16-0072 | EA | Bi-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout | 997.88 | 115.18 |
| **34 43 13 16-0073** | | **Taxiway Centerline, Curved Sections; Clearance Bar (>= 1,200 or <1,200 Runway Visual Range (RVR))** *(34 43 13 16-0059)* Note: L-852B or L-852D or L-852J or L-852K. | | |
| 34 43 13 16-0074 | EA | Uni-Directional Curved Taxiway Centerline Light With Shallow Base And Film Disc Cutout | 1,588.65 | 172.77 |
| 34 43 13 16-0075 | EA | Uni-Directional Curved Taxiway Centerline Light With Cord Set And Film Disc Cutout | 975.16 | 115.18 |
| 34 43 13 16-0076 | EA | Uni-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout | 1,029.37 | 115.18 |
| 34 43 13 16-0077 | EA | Uni-Directional Curved Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout | 1,490.33 | 172.77 |
| 34 43 13 16-0078 | EA | Uni-Directional Curved Taxiway Centerline Light With Cord Set And Without Film Disc Cutout | 916.26 | 115.18 |
| 34 43 13 16-0079 | EA | Uni-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout | 968.69 | 115.18 |
| 34 43 13 16-0080 | EA | Bi-Directional Curved Taxiway Centerline Light With Shallow Base And Film Disc Cutout | 1,643.43 | 172.77 |
| 34 43 13 16-0081 | EA | Bi-Directional Curved Taxiway Centerline Light With Cord Set And Film Disc Cutout | 1,007.98 | 115.18 |
| 34 43 13 16-0082 | EA | Bi-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout | 1,064.57 | 115.18 |
| 34 43 13 16-0083 | EA | Bi-Directional Curved Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout | 1,538.23 | 172.77 |
| 34 43 13 16-0084 | EA | Bi-Directional Curved Taxiway Centerline Light With Cord Set And Without Film Disc Cutout | 948.01 | 115.18 |
| 34 43 13 16-0085 | EA | Bi-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout | 999.59 | 115.18 |
| **34 43 13 16-0086** | | **Taxiway Intersections; Clearance Bar (>= 1,200 Runway Visual Range (RVR))** *(34 43 13 16-0059)* Note: L-852E. | | |
| 34 43 13 16-0087 | EA | Omni-Directional 45 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout | 1,353.66 | 172.77 |
| 34 43 13 16-0088 | EA | Omni-Directional 150 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout | 1,597.59 | 172.77 |
| 34 43 13 16-0089 | EA | Omni-Directional 30 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout | 1,409.56 | 172.77 |
| 34 43 13 16-0090 | EA | Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Shallow Base And Film Disc Cutout | 1,567.11 | 172.77 |
| 34 43 13 16-0091 | EA | Omni-Directional 45 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout | 801.10 | 115.18 |
| 34 43 13 16-0092 | EA | Omni-Directional 150 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout | 1,009.43 | 172.77 |
| 34 43 13 16-0093 | EA | Omni-Directional 30 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout | 909.72 | 172.77 |
| 34 43 13 16-0094 | EA | Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Cord Set And Film Disc Cutout | 960.46 | 172.77 |
| 34 43 13 16-0095 | EA | Omni-Directional 45 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout | 1,329.93 | 172.77 |
| 34 43 13 16-0096 | EA | Omni-Directional 150 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout | 1,568.13 | 172.77 |
| 34 43 13 16-0097 | EA | Omni-Directional 30 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout | 1,384.52 | 172.77 |
| 34 43 13 16-0098 | EA | Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout | 1,538.37 | 172.77 |
| 34 43 13 16-0099 | EA | Omni-Directional 45Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout | 782.21 | 115.18 |
| 34 43 13 16-0100 | EA | Omni-Directional 150 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout | 992.39 | 172.77 |
| 34 43 13 16-0101 | EA | Omni-Directional 30 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout | 895.25 | 172.77 |
| 34 43 13 16-0102 | EA | Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Cord Set And Without Film Disc Cutout | 976.65 | 172.77 |
| **34 43 13 16-0103** | | **Taxiway Intersections; Clearance Bar (<1,200 Runway Visual Range (RVR))** *(34 43 13 16-0059)* Note: L-852F. | | |
| 34 43 13 16-0104 | EA | Omni-Directional 120 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout | 1,577.65 | 172.77 |
| 34 43 13 16-0105 | EA | Omni-Directional 120 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout | 1,013.69 | 172.77 |
| 34 43 13 16-0106 | EA | Omni-Directional 120 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout | 1,538.87 | 172.77 |
| 34 43 13 16-0107 | EA | Omni-Directional 120 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout | 992.66 | 172.77 |
| **34 43 13 16-0108** | | **Taxiway Edge, Apron Edge** *(34 43 13 16-0059)* Note: L-852T. | | |
| 34 43 13 16-0109 | EA | Omni-Directional 45 Watt Taxiway Edge Light With Cord Set And Film Disc Cutout | 1,514.74 | 172.77 |
| 34 43 13 16-0110 | EA | Omni-Directional 45 Watt Taxiway Edge Light With Cord Set And Without Film Disc Cutout | 1,333.11 | 172.77 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **34 43 13 16-0111** | | **Elevated Lights** *(34 43 13 16-0001)* | | |
| **34 43 13 16-0112** | | **Elevated Runway Guard** *(34 43 13 16-0111)*<br>Note: L-804 | | |
| 34 43 13 16-0113 | EA | Elevated Runway Guard | 1,980.13 | 115.18 |
| **34 43 13 16-0114** | | **Elevated Runway Edge** *(34 43 13 16-0111)*<br>Note: L-860 | | |
| 34 43 13 16-0115 | EA | 14" Omni-Directional Elevated Runway Edge Light | 641.31 | 143.97 |
| 34 43 13 16-0116 | EA | 24" Omni-Directional Elevated Runway Edge Light | 651.44 | 143.97 |
| 34 43 13 16-0117 | EA | 30" Omni-Directional Elevated Runway Edge Light | 729.79 | 143.97 |
| **34 43 13 16-0118** | | **Elevated Runway Threshold/End** *(34 43 13 16-0111)*<br>Note: L-860E | | |
| 34 43 13 16-0119 | EA | 14" Uni-Directional Elevated Runway Threshold/End Light | 611.86 | 143.97 |
| 34 43 13 16-0120 | EA | 24" Uni-Directional Elevated Runway Threshold/End Light | 621.15 | 143.97 |
| 34 43 13 16-0121 | EA | 30" Uni-Directional Elevated Runway Threshold/End Light | 692.97 | 143.97 |
| 34 43 13 16-0122 | EA | 14" Bi-Directional Elevated Runway Threshold/End Light | 628.06 | 143.97 |
| 34 43 13 16-0123 | EA | 24" Bi-Directional Elevated Runway Threshold/End Light | 637.81 | 143.97 |
| 34 43 13 16-0124 | EA | 30" Bi-Directional Elevated Runway Threshold/End Light | 713.22 | 143.97 |
| **34 43 13 16-0125** | | **Elevated Runway Edge or Threshold/End, Displaced Threshold, Non-Precision IFR Runways** *(34 43 13 16-0111)*<br>Note: L-861, L-861E, L-861SE or L-861T | | |
| 34 43 13 16-0126 | EA | 14" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways | 582.42 | 143.97 |
| 34 43 13 16-0127 | EA | 20" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways | 587.66 | 143.97 |
| 34 43 13 16-0128 | EA | 24" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways | 590.85 | 143.97 |
| 34 43 13 16-0129 | EA | 30" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways | 656.15 | 143.97 |
| 34 43 13 16-0130 | EA | 14" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways | 585.64 | 143.97 |
| 34 43 13 16-0131 | EA | 20" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways | 590.95 | 143.97 |
| 34 43 13 16-0132 | EA | 24" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways | 594.17 | 143.97 |
| 34 43 13 16-0133 | EA | 30" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways | 660.19 | 143.97 |
| 34 43 13 16-0134 | EA | 14" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways | 600.52 | 143.97 |
| 34 43 13 16-0135 | EA | 20" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways | 606.10 | 143.97 |
| 34 43 13 16-0136 | EA | 24" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways | 609.48 | 143.97 |
| 34 43 13 16-0137 | EA | 30" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways | 678.80 | 143.97 |
| **34 43 13 16-0138** | | **Elevated Runway Edge or Threshold/End, Displaced Threshold, Precision IFR Runways** *(34 43 13 16-0111)*<br>Note: L-862 Or L-862E | | |
| 34 43 13 16-0139 | EA | 14" Uni-Directional Elevated Runway Light, Precision IFR Runways | 544.31 | 143.97 |
| 34 43 13 16-0140 | EA | 24" Uni-Directional Elevated Runway Light, Precision IFR Runways | 549.67 | 143.97 |
| 34 43 13 16-0141 | EA | 30" Uni-Directional Elevated Runway Light, Precision IFR Runways | 557.94 | 143.97 |
| 34 43 13 16-0142 | EA | 14" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways | 655.09 | 143.97 |
| 34 43 13 16-0143 | EA | 24" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways | 662.75 | 143.97 |
| 34 43 13 16-0144 | EA | 30" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways | 680.90 | 143.97 |
| 34 43 13 16-0145 | EA | 14" Bi-Directional Elevated Runway Light, Precision IFR Runways | 557.13 | 143.97 |
| 34 43 13 16-0146 | EA | 24" Bi-Directional Elevated Runway Light, Precision IFR Runways | 562.75 | 143.97 |
| 34 43 13 16-0147 | EA | 30" Bi-Directional Elevated Runway Light, Precision IFR Runways | 571.44 | 143.97 |
| 34 43 13 16-0148 | EA | 14" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways | 673.44 | 143.97 |
| 34 43 13 16-0149 | EA | 24" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways | 681.49 | 143.97 |
| 34 43 13 16-0150 | EA | 30" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways | 700.55 | 143.97 |
| **34 43 13 16-0151** | | **Elevated Stop Bar** *(34 43 13 16-0111)*<br>Note: L-862S | | |
| 34 43 13 16-0152 | EA | 14" Uni-Directional Elevated Stop Bar | 548.96 | 143.97 |
| 34 43 13 16-0153 | EA | 24" Uni-Directional Elevated Stop Bar | 555.02 | 143.97 |
| 34 43 13 16-0154 | EA | 30" Uni-Directional Elevated Stop Bar | 557.94 | 143.97 |
| **34 43 13 16-0155** | | **Airfield Optional Accessories** *(34 43 13 16-0001)* | | |
| 34 43 13 16-0156 | EA | 30/45 Watt Transformer, Airfield Optional Accessories | 301.32 | 57.59 |
| 34 43 13 16-0157 | EA | 65 Watt Transformer, Airfield Optional Accessories | 337.07 | 57.59 |
| 34 43 13 16-0158 | EA | 100 Watt Transformer, Airfield Optional Accessories | 372.82 | 57.59 |
| 34 43 13 16-0159 | EA | 200 Watt Transformer, Airfield Optional Accessories | 385.62 | 57.59 |
| 34 43 13 16-0160 | EA | 300 Watt Transformer, Airfield Optional Accessories | 472.72 | 86.38 |
| 34 43 13 16-0161 | EA | 500 Watt Transformer, Airfield Optional Accessories | 523.48 | 86.38 |
| 34 43 13 16-0162 | EA | 10" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories | 495.39 | 115.18 |
| 34 43 13 16-0163 | EA | 12" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories | 576.42 | 115.18 |
| 34 43 13 16-0164 | EA | 15" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories | 683.67 | 115.18 |
| 34 43 13 16-0165 | EA | 12" Diameter Adjustable Base Housing, Load Bearing, Airfield Optional Accessories<br>Note: L-867. | 662.82 | 115.18 |
| 34 43 13 16-0166 | EA | 16" Diameter Adjustable Base Housing, Load Bearing, Airfield Optional Accessories<br>Note: L-867. | 796.88 | 115.18 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 43 13 16-0167 | EA | Connection Kit For Conduit Cable, Airfield Optional Accessories | 199.36 | 86.38 |
| 34 43 13 16-0168 | MLF | #8 AWG Cable - XLP (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories<br>Note: L-824. | 1,489.34 | |
| 34 43 13 16-0169 | MLF | #6 AWG Cable - XLP (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories<br>Note: L-824. | 1,913.12 | |
| 34 43 13 16-0170 | MLF | #4 AWG Cable - XLP (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories<br>Note: L-824. | 2,541.33 | |
| 34 43 13 16-0171 | EA | Frangible Coupling (Complete), Airfield Optional Accessories | 159.35 | 6.80 |
| 34 43 13 16-0172 | EA | Precast Concrete Base, Airfield Optional Accessories | 706.00 | 93.30 |

### 34 43 13 23 Airfield Short-Approach Lighting Equipment *(34 43 13)*

#### 34 43 13 23-0001 Land And Hold Short (LAHSO) Light System *(34 43 13 23)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 23-0002 | EA | Land And Hold Short (LAHSO) Lighting System, Five (5) Unidirectional Inpavement Light Fixtures (FAA L850A), Power Control And Monitoring Unit And Tower Control Panel | 22,626.48 | |

### 34 43 13 26 Airfield Omni-Directional-Approach Lighting Equipment *(34 43 13)*

#### 34 43 13 26-0001 Elevated Approach *(34 43 13 26)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 26-0002 | EA | Approach And Navigational Light 200 Watt - Heavy-Duty Assembly Only Elevated Approach | 533.52 | 115.18 |
| | | *For LED, Add* | *121.07* | |
| 34 43 13 26-0003 | EA | Approach And Navigational Light 300 Watt - Heavy-Duty Assembly Only Elevated Approach | 533.52 | 115.18 |
| | | *For LED, Add* | *121.07* | |
| 34 43 13 26-0004 | EA | Approach And Navigational Light 500 Watt - Heavy-Duty Assembly Only Elevated Approach | 533.52 | 115.18 |
| | | *For LED, Add* | *121.07* | |
| 34 43 13 26-0005 | EA | Approach And Navigational Light 200 Watt - With Filter Bracket Elevated Approach | 575.82 | 126.70 |
| | | *For LED, Add* | *128.70* | |
| 34 43 13 26-0006 | EA | Approach And Navigational Light 300 Watt - With Filter Bracket Elevated Approach | 575.82 | 126.70 |
| | | *For LED, Add* | *128.70* | |
| 34 43 13 26-0007 | EA | Approach And Navigational Light 500 Watt - With Filter Bracket Elevated Approach | 575.82 | 126.70 |
| | | *For LED, Add* | *128.70* | |

### 34 43 13 29 Airfield Low-Intensity-Approach Lighting Equipment *(34 43 13)*

#### 34 43 13 29-0001 Rotating Beacon *(34 43 13 29)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 29-0002 | EA | Rotating Airport Beacon, 12 RPM, 400 Watt Metal Halide 1 Beam Clear, 400 Watt Metal Halide 1 Beam Green | 31,720.86 | 2,752.79 |
| 34 43 13 29-0003 | EA | Rotating Beam Single Drum, 12 RPM Clear Beam, 500 Watt Quartz | 70,309.69 | 2,303.59 |
| 34 43 13 29-0004 | EA | Rotating Beam, Double Drum, 6 RPM Clear And Green Beams, 1,000 Watt Quartz | 76,334.98 | 2,533.95 |
| 34 43 13 29-0005 | EA | Beacon Tower, Tubular Type, 51' | 25,428.68 | 1,393.85 |
| 34 43 13 29-0006 | EA | Weatherproof Panelboard, 4 - 15 Amperes Breakers | 4,004.14 | 345.53 |

#### 34 43 13 29-0007 Runway Approach Lights, Semi-Flush Unidirectional *(34 43 13 29)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 29-0008 | EA | Runway Approach Light, Unidirectional, S-Flash, 115 Watt With Shallow Insert Base | 2,221.92 | 172.77 |
| 34 43 13 29-0009 | EA | Runway Approach Light, Unidirectional, S-Flash, 200 Watt With Shallow Insert Base | 2,245.75 | 172.77 |
| 34 43 13 29-0010 | EA | Runway Approach Light, Unidirectional, TD Zone, 115 Watt S-Flash, For Mounted In Base Housing | 840.96 | 115.18 |
| 34 43 13 29-0011 | EA | Runway Approach Light, Unidirectional, TD Zone, 200 Watt S-Flash, For Mounted In Base Housing | 883.86 | 115.18 |

### 34 43 13 33 Airfield High-Intensity-Approach Lighting Equipment *(34 43 13)*

#### 34 43 13 33-0001 High Intensity Approach/ Threshold Light, Semi-Flush *(34 43 13 33)*

Note: Unidirectional.

| | | | | |
|---|---|---|---|---|
| 34 43 13 33-0002 | EA | High Intensity Approach Light, 500 Watt Quartz, Clear Semi-Flush, Unidirectional | 3,222.89 | 172.77 |
| | | *For LED, Add* | *575.32* | |
| 34 43 13 33-0003 | EA | High Intensity Threshold Light, Clear 500 Watt Quartz, Semi-Flush, Unidirectional | 3,504.11 | 172.77 |
| | | *For LED, Add* | *631.56* | |
| 34 43 13 33-0004 | EA | High Intensity Approach Light, 500 Watt Quartz, Red Semi-Flush, Unidirectional | 3,166.88 | 172.77 |
| | | *For LED, Add* | *564.12* | |
| 34 43 13 33-0005 | EA | High Intensity Threshold/End Light, Green/Red Semi-Flush, Unidirectional | 3,694.77 | 172.77 |
| | | *For LED, Add* | *669.70* | |

### 34 43 13 36 Airfield Precision-Approach Path Indicator Equipment *(34 43 13)*

#### 34 43 13 36-0001 Precision Approach Path Indicator *(34 43 13 36)*

| | | | | |
|---|---|---|---|---|
| 34 43 13 36-0002 | EA | Approach And Navigational Light Precision Approach Path Indicator - 4 System, 4 Units, 3 Projectors Per Unit | 21,981.11 | 921.44 |
| 34 43 13 36-0003 | EA | Approach And Navigational Light Series Power Kit (3 x 200), Precision Approach Path Indicator | 2,629.48 | 230.36 |
| 34 43 13 36-0004 | EA | Approach And Navigational Light Clinometer Precision Approach Path Indicator | 2,210.02 | 230.36 |
| 34 43 13 36-0005 | EA | Approach And Navigational Light Optical Bench Precision Approach Path Indicator | 4,981.28 | 345.53 |
| 34 43 13 36-0006 | EA | Approach And Navigational Light Radio Receiver, Air-Ground Precision Approach Path Indicator | 3,427.87 | 230.36 |
| 34 43 13 36-0007 | EA | Approach And Navigational Light Radio Receiver, Interface Unidirectional Precision Approach Path Indicator | 1,089.89 | 230.36 |

### 34 43 23 Weather Observation Equipment *(34 43)*

### 34 43 23 16 Airfield Wind Cones *(34 43 23)*

#### 34 43 23 16-0001 Wind Cone, 12 Foot Long, Illuminated With 16' Hinged Pole *(34 43 23 16)*

| | | | | |
|---|---|---|---|---|
| 34 43 23 16-0002 | EA | Wind Cone, 12' Lighted Assembly, With Light Rigid With Obstruction Light | 24,151.31 | 1,382.15 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 43 23 16-0003 | EA | Wind Cone, 12' Lighted Assembly Rigid | 20,416.35 | 1,266.97 |
| 34 43 23 16-0004 | EA | Wind Cone, 12' Unlighted Assembly, With Light Rigid With Obstruction Light | 21,713.65 | 1,151.79 |
| 34 43 23 16-0005 | EA | Wind Cone, 12' Unlighted Assembly Rigid | 19,955.63 | 1,036.61 |
| 34 43 23 16-0006 | EA | Wind Cone Slip Fitter, 2.5" Pipe | 410.01 | 86.38 |
| 34 43 23 16-0007 | EA | 12' x 3' Wind Cone Cotton Sock With Frame | 1,495.22 | 298.71 |
| 34 43 23 16-0008 | EA | 12' x 3' Wind Cone Nylon Sock With Frame | 1,403.85 | 298.71 |
| 34 43 23 16-0009 | EA | Booster Transformer, 1 KW Weatherproof Cabinet | 1,477.58 | 172.77 |
| 34 43 23 16-0010 | | Wind Cone, Up To 8 Foot Long, Illuminated With 8' Hinged Pole *(34 43 23 16)* | | |
| 34 43 23 16-0011 | EA | Wind Cone, 8' Lighted Assembly With Light Frangible With Obstruction Light | 18,343.84 | 1,151.79 |
| 34 43 23 16-0012 | EA | Wind Cone, 8' Lighted Assembly Frangible | 19,693.44 | 1,036.61 |
| 34 43 23 16-0013 | EA | Wind Cone, 8' Lighted Assembly Rigid | 15,485.03 | 1,036.61 |
| 34 43 23 16-0014 | EA | Wind Cone, 8' Unlighted Assembly, With Light Rigid With Obstruction Light | 16,630.76 | 1,036.61 |
| 34 43 23 16-0015 | EA | Wind Cone, 8' Unlighted Assembly Frangible | 19,894.22 | 921.44 |
| 34 43 23 16-0016 | EA | Wind Cone, 8' Unlighted Assembly Rigid | 15,254.67 | 921.44 |
| 34 43 23 16-0017 | EA | 8' x 1-1/2' Wind Cone Nylon Sock With Frame | 849.27 | 298.71 |
| 34 43 23 16-0018 | EA | Removal And Replacement Of 8' x 1-1/2' Wind Cone Nylon Sock | 317.02 | |
| **34 43 26** | | **Airfield Control Equipment** *(34 43)* | | |
| **34 43 26 13** | | **Airfield Lighting Control Equipment** *(34 43 26)* | | |
| 34 43 26 13-0001 | | Power Cable Assemblies *(34 43 26 13)* | | |
| 34 43 26 13-0002 | EA | Approach And Navigational Light Upper Cable Assembly Power Cable Assemblies | 223.19 | 86.38 |
| 34 43 26 13-0003 | EA | Approach And Navigational Light Lower Cable Assembly Power Cable Assemblies | 223.19 | 86.38 |
| 34 43 26 13-0004 | EA | Approach And Navigational Light Cable Clamp Power Cable Assemblies | 88.62 | 28.79 |
| 34 43 26 13-0005 | | Power Distribution And Control Equipment *(34 43 26 13)* | | |
| 34 43 26 13-0006 | | Control Panel *(34 43 26 13-0005)* | | |
| 34 43 26 13-0007 | EA | Control Panel, Series Circuit Monitor 6.6 Amperes, 48 Volt DC Current | 9,483.58 | 691.08 |
| 34 43 26 13-0008 | EA | Key Selector Switch | 124.13 | 37.43 |
| 34 43 26 13-0009 | | Series/Isolation Transformers *(34 43 26 13-0005)* | | |
| 34 43 26 13-0010 | EA | Series / Isolation Transformers 30/45 Watt - FAA | 301.32 | 57.59 |
| 34 43 26 13-0011 | EA | Series / Isolation Transformers 65 Watt - FAA | 337.07 | 57.59 |
| 34 43 26 13-0012 | EA | Series / Isolation Transformers 100 Watt - FAA | 372.82 | 57.59 |
| 34 43 26 13-0013 | EA | Series / Isolation Transformers 300 Watt - FAA | 506.80 | 86.38 |
| 34 43 26 13-0014 | EA | Series / Isolation Transformers 500 Watt - FAA | 528.25 | 86.38 |
| 34 43 26 13-0015 | EA | Series / Isolation Transformers 30/45 Watt - MIL | 388.31 | 57.59 |
| 34 43 26 13-0016 | EA | Series / Isolation Transformers 200 Watt - MIL | 455.04 | 57.59 |
| 34 43 26 13-0017 | EA | Series / Isolation Transformers 300 Watt - MIL | 615.24 | 86.38 |
| 34 43 26 13-0018 | EA | Series / Isolation Transformers 500 Watt - MIL | 693.88 | 86.38 |
| 34 43 26 13-0019 | | Auxiliary Pilot Relay Cabinet *(34 43 26 13-0005)* | | |
| 34 43 26 13-0020 | EA | Relay Cabinet, 20 Circuit, 120 Volt, 50/60 Hertz Auxiliary Pilot Relay Cabinet | 4,691.76 | 460.71 |
| 34 43 26 13-0021 | EA | Relay Cabinet, 20 Circuit, 120 Volt, 50 Hertz Auxiliary Pilot Relay Cabinet | 4,691.76 | 460.71 |
| 34 43 26 13-0022 | EA | Relay Cabinet, 20 Circuit, 120 Volt, 60 Hertz Auxiliary Pilot Relay Cabinet | 5,490.97 | 575.90 |
| 34 43 26 13-0023 | EA | Master Timer Cabinet | 19,544.55 | 1,248.20 |
| 34 43 26 13-0024 | | Radio Control *(34 43 26 13-0005)* | | |
| 34 43 26 13-0025 | EA | Radio Control Receiver Controller | 9,755.54 | 3,697.26 |
| 34 43 26 13-0026 | | Constant Current Regulator *(34 43 26 13-0005)* | | |
| 34 43 26 13-0027 | EA | Constant Current Regulator, 10 KW - Wet Type Power Distribution And Control Equipment | 14,726.75 | 691.08 |
| 34 43 26 13-0028 | EA | Constant Current Regulator, 20 KW - Wet Type Power Distribution And Control Equipment | 25,429.90 | 1,036.61 |
| 34 43 26 13-0029 | EA | Constant Current Regulator, 50 KW - Wet Type Power Distribution And Control Equipment | 38,821.84 | 1,727.69 |
| 34 43 26 13-0030 | EA | Constant Current Regulator, 4 KW - Dry Type Power Distribution And Control Equipment | 5,696.26 | 345.53 |
| 34 43 26 13-0031 | EA | Constant Current Regulator, 7.5 KW - Dry Type Power Distribution And Control Equipment | 8,309.55 | 460.71 |
| 34 43 26 13-0032 | EA | Constant Current Regulator, 10 KW - Dry Type Power Distribution And Control Equipment | 10,675.21 | 691.08 |
| 34 43 26 13-0033 | | Lamp Failure Detector *(34 43 26 13-0005)* | | |
| 34 43 26 13-0034 | EA | Lamp Failure Detector, 120/240 Volt, 1 - 6.6 Amperes And 3 - 20 Amperes Circuit Monitoring | 12,773.21 | 460.71 |
| 34 43 26 13-0035 | | Accessories *(34 43 26 13-0005)* | | |
| 34 43 26 13-0036 | EA | Plug Cutout Power Distribution And Control Equipment Accessory | 1,354.43 | 230.36 |
| 34 43 26 13-0037 | EA | Primary Connector Kit Power Distribution And Control Equipment Accessory | 257.07 | 115.18 |
| 34 43 26 13-0038 | EA | Secondary Connector Kit Power Distribution And Control Equipment Accessory | 273.75 | 115.18 |
| 34 43 26 13-0039 | EA | Heat Shrink Kit Power Distribution And Control Equipment Accessory | 360.59 | 172.77 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **34 43 26 13-0040** | | **Runway Lighting Cable** *(34 43 26 13-0005)* | | |
| 34 43 26 13-0041 | LF | Electric Type "C" Cable | 11.07 | 1.15 |
| **34 43 26 13-0042** | | **Terminal Blocks** *(34 43 26 13-0005)* | | |
| 34 43 26 13-0043 | EA | Terminal Blocks | 137.62 | 12.44 |
| **34 43 26 13-0044** | | **Tower Lighting Controllers** *(34 43 26 13)* | | |
| 34 43 26 13-0045 | EA | Tower Light Controllers 0-150' Tower Cabinets Only | 4,068.53 | 921.44 |
| 34 43 26 13-0046 | EA | Light Controllers 150-450' Tower Cabinets Only | 7,107.39 | 1,036.61 |
| 34 43 26 13-0047 | EA | One Obstruction Light Alarm | 2,649.30 | 460.71 |
| 34 43 26 13-0048 | EA | 2 Obstruction Lights And 1 Beacon Alarm, Flasher Fail Safe | 5,455.87 | 691.08 |
| 34 43 26 13-0049 | EA | Alarm Test Switch For 2 Lights Obstruction | 4,996.82 | 460.71 |
| **34 43 26 13-0050** | | **Junction Boxes And Tower Accessories** *(34 43 26 13)* | | |
| 34 43 26 13-0051 | EA | Size 1 Junction Box, With 4 Hubs, 4" Diameter x 2" Deep | 378.61 | 115.18 |
| 34 43 26 13-0052 | EA | Size 2 Junction Box, With 2 Or 4 Hubs, 8" x 4" x 2.5" | 631.37 | 143.97 |
| 34 43 26 13-0053 | EA | Size 3 Junction Box, With 4 Hubs 8 1/2" x 11 5/8" x 3 5/8" | 1,006.45 | 172.77 |
| 34 43 26 13-0054 | EA | Size 4 Junction Box, With 4 Hubs, 18" x 12" x 6" | 1,390.18 | 230.36 |
| 34 43 26 13-0055 | EA | Junction Box Breather, Screened 1" Nipple With Threaded 90 Degree Elbow | 266.60 | 115.18 |
| 34 43 26 13-0056 | EA | Junction Box Drain, Screened 1" Nipple | 266.60 | 115.18 |
| 34 43 26 13-0057 | EA | Wraplock Tape, Galvanized Steel 100' Roll | 1,452.06 | 691.08 |
| 34 43 26 13-0058 | EA | Telephone Jack Assembly In Field Box With 1/2" Hub | 656.14 | 115.18 |
| 34 43 26 13-0059 | EA | Elevated Approach Bar | 12,169.59 | 3,975.88 |
| **34 43 26 13-0060** | | **Lighting Kits For Towers** *(34 43 26 13)*<br>Note: Includes fixtures, junction boxes, controllers, accessories, less wire and conduit. | | |
| 34 43 26 13-0061 | EA | Lighting Kits For Up To 100' Tower | 10,754.04 | 4,105.04 |
| 34 43 26 13-0062 | EA | Lighting Kits For From 101'-150' Tower | 19,795.64 | 5,131.30 |
| 34 43 26 13-0063 | EA | Lighting Kits For From 151'-200' Tower | 24,804.77 | 7,696.95 |
| 34 43 26 13-0064 | EA | Lighting Kits For From 201'-300' Tower | 32,676.80 | 11,545.44 |
| 34 43 26 13-0065 | EA | Lighting Kits For From 301'-450' Tower | 56,796.25 | 18,985.82 |
| **34 43 26 13-0066** | | **Junction Boxes And Tower Accessories** *(34 43 26 13)* | | |
| 34 43 26 13-0067 | EA | Termination Bar Complete | 7,230.53 | 1,248.20 |

# 34 70 Transportation Construction and Equipment *(34)*

## 34 71 Roadway Construction *(34 70)*

### 34 71 13 Vehicle Barriers *(34 71)*

#### 34 71 13 13 Vehicle Median Barriers *(34 71 13)*

| | | | | |
|---|---|---|---|---|
| **34 71 13 13-0001** | | **Concrete Median Barrier** *(34 71 13 13)* | | |
| 34 71 13 13-0002 | LF | Median Barrier, Precast, 42" High Single Face | 73.88 | 4.65 |
| 34 71 13 13-0003 | LF | Median Barrier, Precast, 32" High, 2' Wide Base, Double Face | 118.10 | 4.65 |
| 34 71 13 13-0004 | LF | Median Barrier, Precast, 42" High, 2' Wide Base, Double Face | 164.32 | 4.65 |
| 34 71 13 13-0005 | LF | Median Barrier, Cast In Place With Steel Forms | 49.51 | 6.27 |
| 34 71 13 13-0006 | LF | Median Barrier, Slipformed Concrete | 42.57 | 3.68 |

#### 34 71 13 16 Vehicle Crash Barriers *(34 71 13)*

| | | | | |
|---|---|---|---|---|
| **34 71 13 16-0001** | | **Impact Barrier, Non-Redirective** *(34 71 13 16)* | | |
| **34 71 13 16-0002** | | **Sand Barrel Impact Attenuator** *(34 71 13 16-0001)*<br>Note: Includes containers, inserts, and lid. Excludes sand. | | |
| 34 71 13 16-0003 | EA | 200, 400 Or 700 Lb. Sand Barrel<br>Note: Includes containers, inserts, and lid. | 588.28 | 57.34 |

#### 34 71 13 26 Vehicle Guide Rails *(34 71 13)*

| | | | | |
|---|---|---|---|---|
| **34 71 13 26-0001** | | **Mobilize Guide Rail Crew** *(34 71 13 26)* | | |
| 34 71 13 26-0002 | EA | Mobilize Guide Rail Crew<br>Note: Excludes equipment mobilization. | 1,453.29 | |
| **34 71 13 26-0003** | | **Corrugated Beam Guide Rail** *(34 71 13 26)* | | |
| **34 71 13 26-0004** | | **Corrugated Beam Guide Railing** *(34 71 13 26-0003)* | | |
| **34 71 13 26-0005** | | **Corrugated Beam Guide Railing. Straight Sections** *(34 71 13 26-0004)*<br>Note: Add additional length for back-up sections. | | |
| 34 71 13 26-0006 | LF | Corrugated Beam Guide Railing | 33.97 | 2.60 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 71 13 26-0007 | LF | Corrugated Beam Guide Railing (Rustic) | 36.88 | 2.60 |
| **34 71 13 26-0008** | | **Corrugated Beam Guide Railing, Shop Curved** *(34 71 13 26-0004)* | | |
| | | Note: Add additional length for back-up sections. | | |
| 34 71 13 26-0009 | LF | Shop Curved Corrugated Beam Guide Railing | 45.38 | 2.60 |
| 34 71 13 26-0010 | LF | Shop Curved Corrugated Beam Guide Railing (Rustic) | 49.40 | 2.60 |
| 34 71 13 26-0011 | LF | Shop Curved Corrugated Beam Guide Railing End | 121.40 | 2.60 |
| | | Note: Treatment for mall barriers driveways, walkways, special end, etc. | | |
| 34 71 13 26-0012 | LF | Shop Curved Corrugated Beam Guide Railing (Rustic) End | 132.77 | 2.60 |
| | | Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc. | | |
| **34 71 13 26-0013** | | **Corrugated Beam Guide Railing, Manufactured End Sections** *(34 71 13 26-0003)* | | |
| 34 71 13 26-0014 | EA | Corrugated Beam Guide Railing End Section At Anchor Unit | 238.32 | 34.26 |
| 34 71 13 26-0015 | EA | Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit | 253.86 | 34.26 |
| 34 71 13 26-0016 | EA | Corrugated Beam Guide Railing Flared Or 180 Degree End Section | 331.53 | 34.26 |
| 34 71 13 26-0017 | EA | Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic) | 347.06 | 34.26 |
| 34 71 13 26-0018 | EA | Corrugated Beam Guide Railing 225 Degree End Section | 331.53 | 34.26 |
| 34 71 13 26-0019 | EA | Corrugated Beam Guide Railing 225 Degree End Section (Rustic) | 347.06 | 34.26 |
| **34 71 13 26-0020** | | **Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)* | | |
| | | Note: Includes mounting hardware. | | |
| 34 71 13 26-0021 | EA | Standard Post For Corrugated Beam Guide Rail | 271.23 | 17.00 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *4.53* | |
| 34 71 13 26-0022 | EA | Standard Post For (Rustic) Corrugated Beam Guide Rail | 286.77 | 17.00 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *4.53* | |
| 34 71 13 26-0023 | EA | Extra Long Post For Corrugated Beam Guide Rail | 302.30 | 17.00 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *4.53* | |
| 34 71 13 26-0024 | EA | Extra Long Post (Rustic) for Corrugated Beam Guide Rail | 317.83 | 17.00 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *4.53* | |
| 34 71 13 26-0025 | EA | 6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail | 271.23 | 17.00 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *4.53* | |
| 34 71 13 26-0026 | EA | Post Struts for Corrugated Beam Guide Rail Mall Barrier Post | 395.51 | 17.00 |
| | | *For Installation In Rock, Add* | *4.53* | |
| **34 71 13 26-0027** | | **Heavy Post Blocked Out Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)* | | |
| | | Note: Includes mounting hardware. Excludes triangular mounting brackets. | | |
| 34 71 13 26-0028 | EA | Standard Post For Heavy Post Blocked Out Corrugated Beam Guide | 271.23 | 17.00 |
| 34 71 13 26-0029 | EA | Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide | 286.77 | 17.00 |
| 34 71 13 26-0030 | EA | Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide | 302.30 | 17.00 |
| 34 71 13 26-0031 | EA | Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail | 317.83 | 17.00 |
| | | Note: For heavy post blocked out corrugated beam guide (rustic) | | |
| 34 71 13 26-0032 | EA | Type A Post 1630mm Post | 263.46 | 17.00 |
| | | Note: For heavy post blocked out corrugated beam guide rail | | |
| 34 71 13 26-0033 | EA | Type A Post 1630mm Post (Rustic) | 279.00 | 17.00 |
| | | Note: For heavy post blocked out corrugated beam guide rail | | |
| 34 71 13 26-0034 | EA | Type B Post 1460mm | 247.93 | 17.00 |
| | | Note: For heavy post blocked out corrugated beam guide rail | | |
| 34 71 13 26-0035 | EA | Type B Post 1460mm (Rustic) | 263.46 | 17.00 |
| | | Note: For heavy post blocked out corrugated beam guide rail | | |
| 34 71 13 26-0036 | EA | Type C Post 1290mm | 232.39 | 17.00 |
| | | Note: For heavy post blocked out corrugated beam guide rail | | |
| 34 71 13 26-0037 | EA | Type C Post 1290mm (Rustic) | 247.93 | 17.00 |
| | | Note: For heavy post blocked out corrugated beam guide rail | | |
| 34 71 13 26-0038 | EA | Breakaway Wood Or Steel Post In Steel Foundation Tube | 1,050.47 | 17.00 |
| 34 71 13 26-0039 | EA | Wood, Metal, Plastic Or Composite Offset Block Or Beam | 100.35 | 17.00 |
| | | Note: For heavy post blocked out corrugated beam guide rail. | | |
| **34 71 13 26-0040** | | **Corrugated Beam Guide Rail Accessories** *(34 71 13 26-0003)* | | |
| 34 71 13 26-0041 | EA | Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C | 207.25 | 38.93 |
| **34 71 13 26-0042** | | **Corrugated Beam Guide Rail Repair for Existing Guide Rail** *(34 71 13 26-0003)* | | |
| | | Note: Includes associated hardware. | | |
| 34 71 13 26-0043 | LF | Removal And Storage Of Corrugated Beam Guide Railing And Post | 15.21 | |
| 34 71 13 26-0044 | EA | Install Stored Post For Corrugated Beam Guide Rail | 51.90 | |
| 34 71 13 26-0045 | LF | Install Stored Corrugated Beam Guide Railing And Post | 8.83 | |
| **34 71 13 26-0046** | | **Corrugated Thrie Beam Guide Railing** *(34 71 13 26-0003)* | | |
| **34 71 13 26-0047** | | **Corrugated Thrie Beam Guide Railing. Straight Sections** *(34 71 13 26-0046)* | | |
| | | Note: Add additional length for back-up sections. | | |
| 34 71 13 26-0048 | LF | Corrugated Thrie Beam Guide Railing | 83.67 | 3.27 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 71 13 26-0049 | LF | Corrugated Thrie Beam Guide Railing (Rustic) | 88.41 | 3.27 |
| **34 71 13 26-0050** | | **Corrugated Thrie Beam Guide Railing. Shop Curved** *(34 71 13 26-0046)* | | |
| | | Note: Add additional length for back-up sections. | | |
| 34 71 13 26-0051 | LF | Shop Curved Corrugated Thrie Beam Guide Railing | 102.61 | 3.27 |
| 34 71 13 26-0052 | LF | Shop Curved Corrugated Thrie Beam Guide Railing (Rustic) | 107.35 | 3.27 |
| **34 71 13 26-0053** | | **Corrugated Thrie Beam Guide Rail Posts** *(34 71 13 26-0046)* | | |
| | | Note: Includes hardware for mounting. | | |
| 34 71 13 26-0054 | EA | Standard Post For Corrugated Thrie Beam Guide Rail | 346.13 | 3.27 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For 32" Soil Plate, Add* | *7.00* | |
| 34 71 13 26-0055 | EA | Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail | 361.66 | 3.27 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For 32" Soil Plate, Add* | *7.00* | |
| **34 71 13 26-0056** | | **Timber Guide Rails** *(34 71 13 26)* | | |
| | | Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete. | | |
| **34 71 13 26-0057** | | **Timber Guide Rail Posts** *(34 71 13 26-0056)* | | |
| 34 71 13 26-0058 | EA | 6" x 8" Timber Guide Rail Post | 119.79 | 12.97 |
| 34 71 13 26-0059 | EA | 6" x 9" Timber Guide Rail Post | 136.77 | 12.97 |
| 34 71 13 26-0060 | EA | 10" x 10" Timber Guide Rail Post | 269.83 | 12.97 |
| 34 71 13 26-0061 | EA | 10" x 12" Timber Guide Rail Post | 285.70 | 12.97 |
| 34 71 13 26-0062 | EA | 12" x 12" Timber Guide Rail Post | 330.93 | 12.97 |
| **34 71 13 26-0063** | | **Timber Guide Rails** *(34 71 13 26-0056)* | | |
| | | Note: Excludes posts, spacer blocks and steel backup plates. | | |
| 34 71 13 26-0064 | LF | 4" x 9" Timber Guide Rail | 14.87 | 1.56 |
| 34 71 13 26-0065 | LF | 6" x 10" Timber Guide Rail | 20.98 | 1.56 |
| 34 71 13 26-0066 | LF | 6" x 12" Timber Guide Rail | 24.56 | 1.56 |
| **34 71 13 26-0067** | | **Spacer Blocks For Timber Guide Rails** *(34 71 13 26-0056)* | | |
| 34 71 13 26-0068 | EA | 4" x 9" Spacer Block For Timber Guide Rails | 19.37 | 2.07 |
| 34 71 13 26-0069 | EA | 6" x 8" Spacer Block For Timber Guide Rails | 22.30 | 2.07 |
| 34 71 13 26-0070 | EA | 8" x 8" Spacer Block For Timber Guide Rails | 26.03 | 2.07 |
| **34 71 13 26-0071** | | **Weathering Steel Backup Plates For Timber Guide Rails** *(34 71 13 26-0056)* | | |
| 34 71 13 26-0072 | LF | 6" High, Weathering Steel Backup Plate For Timber Guide Rails | 27.08 | 1.30 |
| **34 71 13 26-0073** | | **Weathering Steel Splice And Bearing Plates For Timber Guide Rails** *(34 71 13 26-0056)* | | |
| 34 71 13 26-0074 | EA | Weathering Steel Splice Plate For Timber Guide Rails | 187.58 | 18.17 |
| 34 71 13 26-0075 | EA | Weathering Steel Bearing Termination Plate For Timber Guide Rails | 117.54 | 12.97 |
| **34 71 13 26-0076** | | **Cable Guide Rail** *(34 71 13 26)* | | |
| **34 71 13 26-0077** | | **Cable Guide Rail** *(34 71 13 26-0076)* | | |
| 34 71 13 26-0078 | LF | Cable (Each Cable) | 16.99 | 2.81 |
| | | Note: Includes tensioning. Excludes splices. | | |
| 34 71 13 26-0079 | EA | Cable Splice With Wedges | 492.01 | 19.46 |
| **34 71 13 26-0080** | | **Cable Guide Rail Posts** *(34 71 13 26-0076)* | | |
| | | Note: Includes hardware for cable mounting. | | |
| 34 71 13 26-0081 | EA | Standard Post for Cable Guide Rail | 308.58 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0082 | EA | Standard Post (Rustic) for Cable Guide Rail | 324.12 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0083 | EA | Extra Long Post for Cable Guide Rail | 324.12 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0084 | EA | Extra Long Post (Rustic) for Cable Guide Rail | 339.66 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0085 | EA | Slip Impact Post Top for Anchor Unit | 216.65 | 22.67 |
| 34 71 13 26-0086 | EA | Slip Impact Post Base and Keeper Plate | 605.03 | 22.67 |
| | | Note: For anchor unit. | | |
| **34 71 13 26-0087** | | **Cable Guide Rail Accessories For Breakaway Anchor Angle Systems** *(34 71 13 26-0076)* | | |
| 34 71 13 26-0088 | EA | Turnbuckle Cable End Assembly For Use With Breakaway Anchors | 874.90 | 260.04 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 71 13 26-0089 | EA | Turnbuckle Cable End Assembly | 328.04 | 13.00 |
| 34 71 13 26-0090 | EA | Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors | 1,096.07 | 6.46 |
| 34 71 13 26-0091 | EA | Spring Cable End Assembly (Compensating Device) Without Turnbuckle | 1,127.14 | 6.46 |
| 34 71 13 26-0092 | EA | Breakaway Anchor Angle | 421.25 | 13.00 |
| 34 71 13 26-0093 | EA | Standard End Post Cap Assembly | 195.04 | 6.46 |
| 34 71 13 26-0094 | EA | Driveway End Post Cap Assembly | 163.97 | 6.46 |
| 34 71 13 26-0095 | EA | End Post Ground Support Plates | 86.30 | 6.46 |
| 34 71 13 26-0096 | EA | 11" Stud Bolt, Cable Guide Rail | 74.64 | 6.46 |
| 34 71 13 26-0097 | EA | 18" Stud Bolt, Cable Guide Rail | 90.18 | 6.46 |
| 34 71 13 26-0098 | EA | 25" Stud Bolt, Cable Guide Rail | 105.71 | 6.46 |
| 34 71 13 26-0099 | EA | 1-1/4" Diameter Turnbuckle, Cable Guide Rail | 949.44 | 13.00 |
| 34 71 13 26-0100 | EA | 1-1/2" Diameter Turnbuckle, Cable Guide Rail | 1,011.58 | 13.00 |
| 34 71 13 26-0101 | EA | 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail | 669.81 | 13.00 |
| 34 71 13 26-0102 | EA | 5/8" Eye Bolt 18" Long, Cable Guide Rail | 412.53 | 6.46 |
| 34 71 13 26-0103 | EA | 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail | 421.25 | 13.00 |
| 34 71 13 26-0104 | EA | 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail | 445.40 | 19.46 |
| **34 71 13 26-0105** | | **Cable Guide Rail Accessories For Slip Impact Post Systems** *(34 71 13 26-0076)* | | |
| 34 71 13 26-0106 | EA | Turnbuckle Cable End Assembly<br>Note: For use with slip impact post. | 755.38 | 18.93 |
| 34 71 13 26-0107 | EA | Spring Cable End Assembly (Compensating Device)<br>Note: For use with slip impact post. | 1,501.06 | 18.93 |
| 34 71 13 26-0108 | EA | Anchor Angle For Slip Impact Post System | 429.15 | 18.93 |
| 34 71 13 26-0109 | EA | Cable End Assembly Rod<br>Note: Includes cable end, threaded rod and keeper to anchor angle. | 351.48 | 18.93 |
| **34 71 13 26-0110** | | **Cable Guide Rail Repair For Existing Guide Rail** *(34 71 13 26-0076)*<br>Note: Includes associated hardware. | | |
| 34 71 13 26-0111 | LF | Retention Existing Cable (Each Cable) | 1.74 | |
| 34 71 13 26-0112 | LF | Removal And Storage Of Cable Guide Railing | 10.45 | |
| 34 71 13 26-0113 | EA | Install Stored Post For Cable Guide Railing | 75.56 | |
| 34 71 13 26-0114 | LF | Install Stored Cable, (Each Cable)<br>Note: Includes retensioning. Excludes splices. | 4.63 | |
| **34 71 13 26-0115** | | **6" x 6" Box Beam Guide Rail** *(34 71 13 26)* | | |
| **34 71 13 26-0116** | | **Box Beam Guide Rail, 6" x 6"** *(34 71 13 26-0115)* | | |
| **34 71 13 26-0117** | | **Straight Sections, Box Beam Guide Rail** *(34 71 13 26-0116)* | | |
| 34 71 13 26-0118 | LF | Box Beam Guide Railing 6" x 6" x 3/16" Galvanized<br>Note: Excludes splices. | 101.43 | 3.27 |
| | | *For Flush Mounting Directly To Structure, Add* | *1.83* | |
| 34 71 13 26-0119 | LF | Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)<br>Note: Excludes splices. | 115.63 | 3.27 |
| | | *For Flush Mounting Directly To Structure, Add* | *1.83* | |
| 34 71 13 26-0120 | LF | Box Beam Guide Railing 8" x 6" x 3/16" Galvanized<br>Note: Excludes splices | 120.87 | 3.27 |
| | | *For Flush Mounting Directly To Structure, Add* | *1.83* | |
| **34 71 13 26-0121** | | **Shop Curved, Box Beam Guide Rail** *(34 71 13 26-0116)* | | |
| 34 71 13 26-0122 | LF | Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized<br>Note: Excludes splices. | 155.88 | 3.27 |
| | | *For Shop Curved At <20' Radius, Add* | *2.44* | |
| | | *For Flush Mounting Directly To Structure, Add* | *1.83* | |
| 34 71 13 26-0123 | LF | Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)<br>Note: Excludes splices. | 170.09 | 3.27 |
| | | *For Shop Curved At <20' Radius, Add* | *2.44* | |
| | | *For Flush Mounting Directly To Structure, Add* | *1.83* | |
| 34 71 13 26-0124 | LF | Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized<br>Note: Excludes splices. | 186.12 | 3.27 |
| | | *For Shop Curved At <20' Radius, Add* | *2.44* | |
| | | *For Flush Mounting Directly To Structure, Add* | *1.83* | |
| **34 71 13 26-0125** | | **Box Beam Guide Rail End Treatment Sections** *(34 71 13 26-0115)*<br>Note: Includes rail, end cover plate and hardware only. Excludes posts and splice. | | |
| 34 71 13 26-0126 | EA | Box Beam End Piece Guide Railing Section<br>Note: Galvanized excludes splices. | 1,605.40 | 38.93 |
| 34 71 13 26-0127 | EA | Box Beam End Piece Guide Railing Section (Rustic)<br>Note: Excludes splices. | 1,776.28 | 38.93 |
| 34 71 13 26-0128 | EA | Box Beam Guide Railing End Treatment Section At Driveway, Galvanized<br>Note: Excludes splices. | 1,512.19 | 38.93 |
| 34 71 13 26-0129 | EA | Box Beam Guide Railing End Treatment Section At Driveway, (Rustic)<br>Note: Excludes splices. | 1,574.33 | 38.93 |
| 34 71 13 26-0130 | EA | Box Beam Guiderail End Assembly<br>Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2. | 45,438.53 | 1,038.06 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **34 71 13 26-0131** | | **Splices For Box Beam Guide Rail** *(34 71 13 26-0115)* | | |
| 34 71 13 26-0132 | EA | Splice For Box Beam Guide Rail | 348.59 | 57.78 |
| 34 71 13 26-0133 | EA | Splice For Box Beam Guide Rail (Rustic) | 457.34 | 57.78 |
| **34 71 13 26-0134** | | **Box Beam Guide Rail Posts** *(34 71 13 26-0115)* | | |
| | | Note: Includes hardware for box beam mounting. | | |
| 34 71 13 26-0135 | EA | Standard Post For Box Beam Guide Rail | 324.12 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0136 | EA | Standard Post (Rustic) for Box Beam Guide Railing | 339.66 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0137 | EA | Extra Long Post For Box Beam Guide Rail | 355.19 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0138 | EA | Extra Long Post (Rustic) For Box Beam Guide Rail | 370.72 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0139 | EA | Type I End Assembly Post | 308.58 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0140 | EA | Type I End Assembly Post (Rustic) | 324.12 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0141 | EA | Type II End Assembly Post | 293.05 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0142 | EA | Type II End Assembly Post (Rustic) | 308.58 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| **34 71 13 26-0143** | | **Box Beam Guide Rail Accessories** *(34 71 13 26-0115)* | | |
| 34 71 13 26-0144 | EA | Box Beam Guide Rail End Cover Plate | 201.99 | 11.67 |
| 34 71 13 26-0145 | EA | Box Beam Guide Rail End Cover Plate (Rustic) | 217.53 | 11.67 |
| **34 71 13 26-0146** | | **Box Beam Guide Railing Repair, And Resetting** *(34 71 13 26-0115)* | | |
| | | Note: For existing guide rail. | | |
| 34 71 13 26-0147 | LF | Removal And Storage Of Box Beam Guide Rail And Post | 5.13 | |
| 34 71 13 26-0148 | LF | Reset Box Beam Guide Rail | 14.96 | |
| **34 71 13 26-0149** | | **6" x 8" Box Beam Median Barrier** *(34 71 13 26)* | | |
| **34 71 13 26-0150** | | **Box Beam Median Barrier, 6" x 8"** *(34 71 13 26-0149)* | | |
| **34 71 13 26-0151** | | **Straight Sections, Box Beam Median Barrier** *(34 71 13 26-0150)* | | |
| 34 71 13 26-0152 | LF | Box Beam Median Barrier Galvanized Excludes Splices | 164.72 | 11.67 |
| | | *For Flush Mounting Directly To Structure, Add* | *1.83* | |
| 34 71 13 26-0153 | LF | Box Beam Median Barrier (Rustic) Excludes Splices | 178.93 | 11.67 |
| | | *For Flush Mounting Directly To Structure, Add* | *1.83* | |
| **34 71 13 26-0154** | | **Shop Curved, Box Beam Median Barrier** *(34 71 13 26-0150)* | | |
| 34 71 13 26-0155 | LF | Shop Curved Box Beam Median Barrier Galvanized | 202.06 | 11.67 |
| | | Note: Excludes splices. | | |
| | | *For Shop Curved At <20' Radius, Add* | *2.44* | |
| | | *For Flush Mounting Directly To Structure, Add* | *1.83* | |
| 34 71 13 26-0156 | LF | Shop Curved Box Beam Median Barrier Rustic | 248.68 | 11.67 |
| | | Note: Excludes splices. | | |
| | | *For Shop Curved At <20' Radius, Add* | *2.44* | |
| | | *For Flush Mounting Directly To Structure, Add* | *1.83* | |
| **34 71 13 26-0157** | | **Box Beam Median Barrier End Treatment Sections** *(34 71 13 26-0149)* | | |
| | | Note: Includes rail, end cover plate and hardware. Excludes posts. | | |
| 34 71 13 26-0158 | EA | Box Beam Median Barrier Type A End Treatment Section, Galvanized | 5,318.26 | 38.93 |
| | | Note: Excludes splices and post. | | |
| 34 71 13 26-0159 | EA | Box Beam Median Barrier Type A End Treatment Section (Rustic) | 5,442.54 | 38.93 |
| | | Note: Excludes splices and post. | | |
| 34 71 13 26-0160 | EA | Box Beam Median Barrier Type B End Treatment Section, Galvanized | 5,318.26 | 38.93 |
| | | Note: Excludes splices and post. | | |
| 34 71 13 26-0161 | EA | Box Beam Median Barrier Type B End Treatment Section (Rustic) | 5,442.54 | 38.93 |
| | | Note: Excludes splices and post. | | |
| **34 71 13 26-0162** | | **Splices For Box Beam Median Barrier** *(34 71 13 26-0149)* | | |
| 34 71 13 26-0163 | EA | Splice for Box Beam Median Barrier | 383.29 | 31.14 |
| 34 71 13 26-0164 | EA | Splice for Box Beam Median Barrier (Rustic) | 616.32 | 31.14 |

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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 34 71 13 26-0165 | | **Box Beam Median Barrier Posts Driven With Soil Plate** *(34 71 13 26-0149)* | | |
| | | Note: Includes all associated hardware. | | |
| 34 71 13 26-0166 | EA | Standard Post for Box Beam Median Barrier | 324.12 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0167 | EA | Standard Post (Rustic) for Box Beam Median Barrier | 339.66 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0168 | EA | Extra Long Post for Box Beam Median Barrier | 355.19 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0169 | EA | Extra Long Post (Rustic) for Box Beam Median Barrier | 370.72 | 56.67 |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0170 | EA | Type B End Treatment or Rub Back Anchor Post for Box Beam | 293.05 | 56.67 |
| | | Note: For median barrier. | | |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0171 | EA | Type B End Treatment or Rub Back Anchor Post (Rustic) | 293.05 | 56.67 |
| | | Note: For box beam median barrier. | | |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0172 | EA | Type I End Assembly Post for Box Beam Median Barrier to Concrete | 355.19 | 56.67 |
| | | Note: For median barrier transition. | | |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0173 | EA | Type I End Assembly Post (Rustic) for Box Beam Median Barrier | 370.72 | 56.67 |
| | | Note: For Concrete median barrier transition. | | |
| | | *For Installation Without Soil Plate, Deduct* | *-5.00* | |
| | | *For Installation In Rock, Add* | *15.11* | |
| 34 71 13 26-0174 | | **Box Beam Median Barrier Accessories** *(34 71 13 26-0149)* | | |
| 34 71 13 26-0175 | EA | Box Beam Median Barrier End Cover Plate | 235.71 | 27.40 |
| 34 71 13 26-0176 | EA | Box Beam Median Barrier End Cover Plate (Rustic) | 251.24 | 27.40 |
| 34 71 13 26-0177 | | **Box Beam Median Barrier Repair, And Resetting** *(34 71 13 26-0149)* | | |
| | | Note: For existing guide rail. | | |
| 34 71 13 26-0178 | LF | Removal And Storage Of Box Beam Median Barrier and Posts | 5.30 | |
| 34 71 13 26-0179 | LF | Reset Box Beam Median Barrier | 15.67 | |
| 34 71 13 26-0180 | | **Universal Guide Rail Items** *(34 71 13 26)* | | |
| 34 71 13 26-0181 | | **Guide Rail Concrete Anchor Units For All Types Of Guide Rail** *(34 71 13 26-0180)* | | |
| | | Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type. | | |
| 34 71 13 26-0182 | CY | Guide Rail Concrete Anchor Unit | 885.29 | |
| | | *For Each Additional Set Of Anchor Rods, Add* | *38.00* | |
| 34 71 13 26-0183 | EA | Reset Existing Anchorage Unit for All Types of Guide Rail | 595.27 | |
| | | Note: Includes excavation and backfill. | | |
| 34 71 13 26-0184 | EA | Removal Of Guide Rail Concrete Anchor Unit | 612.89 | |
| 34 71 13 26-0185 | | **Guide Rail Repair For All Types Of Existing Guide Rail** *(34 71 13 26-0180)* | | |
| | | Note: Includes associated hardware. | | |
| 34 71 13 26-0186 | EA | Straighten And Reset Driven Post For Guide Rail | 75.56 | |
| 34 71 13 26-0187 | EA | Straighten And Reset Post Mounted On Concrete For Guide Rail | 97.93 | |
| | | Note: With base plate for guide rail. Includes new anchor bolts. | | |
| 34 71 13 26-0188 | | **Additional Wood and Steel Posts** *(34 71 13 26-0180)* | | |
| 34 71 13 26-0189 | LF | 4" x 6" Wood Post | 99.02 | 18.94 |
| | | *For Installation In Rock, Add* | *5.05* | |
| 34 71 13 26-0190 | LF | 6" x 8" Wood Post | 122.32 | 18.94 |
| | | *For Installation In Rock, Add* | *5.05* | |
| 34 71 13 26-0191 | LF | 6" x 7/8" Galvanized Steel Post | 69.25 | 18.94 |
| | | *For Installation In Rock, Add* | *5.05* | |
| 34 71 13 26-0192 | EA | Base Plate With Anchor Bolts For Mounting Post On Concrete | 736.99 | 18.93 |
| 34 71 13 26-0193 | | **Accessories For All Types of Guide Rail** *(34 71 13 26-0180)* | | |
| 34 71 13 26-0194 | EA | Reflector For Guard Rail | 97.57 | |
| 34 71 13 26-0195 | | **Guide Rail Transitions** *(34 71 13 26)* | | |
| 34 71 13 26-0196 | | **Transition Box Beam Guide Rail To Corrugated Beam** *(34 71 13 26-0195)* | | |
| 34 71 13 26-0197 | EA | Box Beam To Corrugated Beam Rail Bolted Section | 1,278.81 | |
| 34 71 13 26-0198 | EA | Box Beam To Corrugated Beam Rail Bolted Plate | 657.41 | |
| | | Note: For making cable connections. | | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **34 71 13 26-0199** | | **Transition Box Beam Median Barrier To Corrugated Beam Median** *(34 71 13 26-0195)* | | |
| 34 71 13 26-0200 | EA | Box Beam Median Barrier To Corrugated Beam Bolted Section | 1,309.88 | |
| 34 71 13 26-0201 | EA | Box Beam Median Barrier To Corrugated Beam Harness Plate<br>Note: For making cable connections. | 657.41 | |
| **34 71 13 26-0202** | | **Transition Box Beam Guide Rail To Cable Guide Rail** *(34 71 13 26-0195)* | | |
| 34 71 13 26-0203 | EA | Box Beam to Cable Guide Rail U-bolt And Plate | 190.02 | 20.76 |
| **34 71 13 26-0204** | | **Transition Box Beam Median Barrier To Concrete Median Barrier** *(34 71 13 26-0195)* | | |
| 34 71 13 26-0205 | EA | Box Beam Median Barrier To Concrete Barrier End Connection | 1,900.21 | |
| **34 71 13 26-0206** | | **Transition Thrie Beam To Concrete Median Barrier** *(34 71 13 26-0195)* | | |
| 34 71 13 26-0207 | EA | Thrie Beam Terminal Connector At Concrete Median Barrier | 1,123.46 | |
| 34 71 13 26-0208 | EA | Thrie Beam Transition Section To Corrugated Beam Guide Rail | 1,511.83 | |
| **34 71 13 26-0209** | | **Resilient Guard Fence And Light Shield** *(34 71 13 26)* | | |
| 34 71 13 26-0210 | LF | Resilient Guard Fence And Light Shield, Up To 6' High | 98.46 | 7.98 |
| **34 71 13 26-0211** | | **Individual Concrete Guard Rail Posts** *(34 71 13 26)* | | |
| 34 71 13 26-0212 | EA | 6'-5" Concrete Guard Rail Posts, Round | 98.04 | 7.98 |
| 34 71 13 26-0213 | EA | 6'-5" Concrete Posts, Square | 109.68 | 8.98 |
| 34 71 13 26-0214 | EA | 6'-5" Concrete Posts, Triangular | 106.82 | 8.98 |

## 34 71 16 Impact Attenuating Devices *(34 71)*

| | | | | |
|---|---|---|---|---|
| **34 71 16 00-0001** | | **Guard Rail Energy Absorbing Terminals** *(34 71 16)*<br>Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc. | | |
| **34 71 16 00-0002** | | **24" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* | | |
| 34 71 16 00-0003 | EA | 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator | 38,375.89 | 3,819.03 |
| 34 71 16 00-0004 | EA | 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator | 53,319.08 | 5,092.04 |
| 34 71 16 00-0005 | EA | 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator | 72,796.02 | 6,683.31 |
| 34 71 16 00-0006 | EA | 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator | 80,825.31 | 8,274.57 |
| **34 71 16 00-0007** | | **30" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* | | |
| 34 71 16 00-0008 | EA | 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator | 41,304.13 | 4,296.41 |
| 34 71 16 00-0009 | EA | 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator | 57,563.83 | 5,728.55 |
| 34 71 16 00-0010 | EA | 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator | 79,026.85 | 7,638.06 |
| 34 71 16 00-0011 | EA | 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator | 90,454.32 | 9,229.33 |
| **34 71 16 00-0012** | | **36" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* | | |
| 34 71 16 00-0013 | EA | 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator | 44,266.70 | 4,773.79 |
| 34 71 16 00-0014 | EA | 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator | 61,842.10 | 6,365.05 |
| 34 71 16 00-0015 | EA | 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator | 84,588.65 | 8,433.70 |
| 34 71 16 00-0016 | EA | 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator | 100,047.98 | 10,184.09 |
| **34 71 16 00-0017** | | **69" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* | | |
| 34 71 16 00-0018 | EA | 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator | 47,926.28 | 5,251.18 |
| 34 71 16 00-0019 | EA | 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator | 66,392.06 | 7,001.56 |
| 34 71 16 00-0020 | EA | 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator | 91,235.63 | 9,229.33 |
| 34 71 16 00-0021 | EA | 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator | 107,398.22 | 11,138.85 |
| **34 71 16 00-0022** | | **90" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* | | |
| 34 71 16 00-0023 | EA | 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator | 51,687.02 | 5,728.55 |
| 34 71 16 00-0024 | EA | 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator | 71,060.88 | 7,638.06 |
| 34 71 16 00-0025 | EA | 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator | 98,757.12 | 10,184.09 |
| 34 71 16 00-0026 | EA | 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator | 114,957.08 | 12,093.61 |

## 34 71 19 Vehicle Delineators *(34 71)*

### 34 71 19 16 Flexible Vehicle Delineators *(34 71 19)*

| | | | | |
|---|---|---|---|---|
| 34 71 19 16-0001 | EA | 2' High, 3" Diameter Flexible Fixed Stanchion Delineator | 100.70 | 9.97 |
| 34 71 19 16-0002 | EA | 3' High, 3" Diameter Flexible Fixed Stanchion Delineator | 102.09 | 9.97 |
| 34 71 19 16-0003 | EA | 3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator | 103.49 | 9.97 |
| 34 71 19 16-0004 | EA | 4' High, 3" Diameter Flexible Fixed Stanchion Delineator | 104.88 | 9.97 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

**END OF SECTION 34**


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

# 35 Waterway and Marine Construction

## 35 05 Common Work Results for Waterway and Marine Construction *(35)*

### 35 05 70 Common Work Results for Dams *(35 05)*

35 05 70 00-0001 Rubber Dam Repair *(35 05 70)*

| | | | | | |
|---|---|---|---|---|---|
| 35 05 70 00-0002 | EA | Class A Rubber Dam Repair (Bullet And Similar Holes) | | 41.95 | |
| 35 05 70 00-0003 | SF | Class B Rubber Dam Repair (Minor Surface Rubber Damage) | | 83.57 | |
| 35 05 70 00-0004 | SF | Class C Rubber Dam Repair (Major Surface Rubber Damage) | | 122.41 | |
| 35 05 70 00-0005 | SF | Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material | | 136.70 | |

## 35 20 Waterway and Marine Construction and Equipment *(35)*

### 35 22 Hydraulic Gates *(35 20)*

#### 35 22 26 Sluice Gates *(35 22)*

35 22 26 00-0001 Heavy-Duty Cast Iron Sluice Gates Self Contained *(35 22 26)*

Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

| | | | | | |
|---|---|---|---|---|---|
| 35 22 26 00-0002 | EA | 18" x 18" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 10,891.38 | 1,272.40 |
| | | *For Electric Motor Operated Valve, Add* | | *1,104.49* | |
| 35 22 26 00-0003 | EA | 24" x 24" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 15,599.21 | 1,908.67 |
| | | *For Electric Motor Operated Valve, Add* | | *1,231.73* | |
| 35 22 26 00-0004 | EA | 30" x 30" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 18,893.51 | 2,181.34 |
| | | *For Electric Motor Operated Valve, Add* | | *1,286.27* | |
| 35 22 26 00-0005 | EA | 36" x 36" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 21,547.03 | 2,385.84 |
| | | *For Electric Motor Operated Valve, Add* | | *1,327.17* | |
| 35 22 26 00-0006 | EA | 42" x 42" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 24,181.45 | 2,726.67 |
| | | *For Electric Motor Operated Valve, Add* | | *1,395.34* | |
| 35 22 26 00-0007 | EA | 48" x 48" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 33,867.77 | 4,362.68 |
| | | *For Electric Motor Operated Valve, Add* | | *1,722.54* | |
| 35 22 26 00-0008 | EA | 54" x 54" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 45,130.02 | 5,453.35 |
| | | *For Electric Motor Operated Valve, Add* | | *1,940.67* | |
| 35 22 26 00-0009 | EA | 60" x 60" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 52,635.15 | 7,225.69 |
| | | *For Electric Motor Operated Valve, Add* | | *2,295.14* | |
| 35 22 26 00-0010 | EA | 66" x 66" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 65,520.89 | 9,543.36 |
| | | *For Electric Motor Operated Valve, Add* | | *2,758.67* | |
| 35 22 26 00-0011 | EA | 72" x 72" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 68,786.38 | 10,906.70 |
| | | *For Electric Motor Operated Valve, Add* | | *3,031.34* | |
| 35 22 26 00-0012 | EA | 78" x 78" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 77,170.61 | 10,906.70 |
| | | *For Electric Motor Operated Valve, Add* | | *3,431.34* | |
| 35 22 26 00-0013 | EA | 84" x 84" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 89,510.17 | 12,270.03 |
| | | *For Electric Motor Operated Valve, Add* | | *3,704.01* | |
| 35 22 26 00-0014 | EA | 90" x 90" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 107,508.86 | 14,036.57 |
| | | *For Electric Motor Operated Valve, Add* | | *4,057.31* | |
| 35 22 26 00-0015 | EA | 96" x 96" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 121,228.12 | 14,704.98 |
| | | *For Electric Motor Operated Valve, Add* | | *4,191.00* | |
| 35 22 26 00-0016 | EA | 108" x 108" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 150,262.64 | 17,378.60 |
| | | *For Electric Motor Operated Valve, Add* | | *4,725.72* | |
| 35 22 26 00-0017 | EA | 120" x 120" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 185,642.99 | 21,389.06 |
| | | *For Electric Motor Operated Valve, Add* | | *5,527.81* | |
| 35 22 26 00-0018 | EA | 132" x 132" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate | | 226,586.34 | 24,062.69 |
| | | *For Electric Motor Operated Valve, Add* | | *6,062.54* | |

#### 35 22 59 Hydraulic Closure Gates *(35 22)*

35 22 59 00-0001 Steel Slide Gates Self Contained *(35 22 59)*

Note: Includes anchors and bolts.

| | | | | | |
|---|---|---|---|---|---|
| 35 22 59 00-0002 | EA | 12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting | | 3,744.18 | 477.17 |
| | | *For Electric Motor Operated Valve, Add* | | *945.43* | |
| 35 22 59 00-0003 | EA | 18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting | | 4,994.43 | 545.33 |
| | | *For Electric Motor Operated Valve, Add* | | *959.07* | |
| 35 22 59 00-0004 | EA | 24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting | | 5,698.05 | 636.27 |
| | | *For Electric Motor Operated Valve, Add* | | *977.25* | |
| 35 22 59 00-0005 | EA | 30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting | | 6,885.83 | 763.47 |
| | | *For Electric Motor Operated Valve, Add* | | *1,002.69* | |
| 35 22 59 00-0006 | EA | 36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting | | 8,813.01 | 954.34 |
| | | *For Electric Motor Operated Valve, Add* | | *1,040.87* | |
| 35 22 59 00-0007 | EA | 42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting | | 10,322.31 | 1,272.40 |
| | | *For Electric Motor Operated Valve, Add* | | *1,104.49* | |
| 35 22 59 00-0008 | EA | 48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting | | 14,143.75 | 1,908.67 |
| | | *For Electric Motor Operated Valve, Add* | | *1,231.73* | |
| 35 22 59 00-0009 | EA | 54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting | | 21,495.66 | 2,385.84 |
| | | *For Electric Motor Operated Valve, Add* | | *1,327.17* | |
| 35 22 59 00-0010 | EA | 60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting | | 28,006.52 | 3,817.34 |
| | | *For Electric Motor Operated Valve, Add* | | *1,613.47* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 35 22 59 00-0011 | EA | 72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting | 35,620.21 | 6,362.29 |
| | | *For Electric Motor Operated Valve, Add* | *2,122.45* | |
| 35 22 59 00-0012 | SF | Over 36 SF Steel Slide Gates Self Contained Including Anchor | 987.95 | 175.87 |
| | | *For Electric Motor Operated Valve, Add* | *1,585.17* | |

## 35 22 59 00-0013 Stainless Steel, Slide Gates, Frame Assembly Only *(35 22 59)*

| | | | | |
|---|---|---|---|---|
| 35 22 59 00-0014 | EA | 24" x 24" Stainless Steel Slide Gate, Frame Assembly Only | 19,604.52 | 623.05 |
| 35 22 59 00-0015 | EA | 30" x 30" Stainless Steel Slide Gate, Frame Assembly Only | 24,239.42 | 778.47 |
| 35 22 59 00-0016 | EA | 36" x 36" Stainless Steel Slide Gate, Frame Assembly Only | 30,915.26 | 948.88 |
| 35 22 59 00-0017 | EA | 48" x 48" Stainless Steel Slide Gate, Frame Assembly Only | 47,168.13 | 1,817.33 |
| 35 22 59 00-0018 | EA | 60" x 60" Stainless Steel Slide Gate, Frame Assembly Only | 69,425.73 | 3,965.95 |
| 35 22 59 00-0019 | EA | 72" x 72" Stainless Steel Slide Gate, Frame Assembly Only | 91,166.50 | 6,058.67 |
| 35 22 59 00-0020 | EA | 84" x 84" Stainless Steel Slide Gate, Frame Assembly Only | 137,811.20 | 7,574.70 |
| 35 22 59 00-0021 | Day | Start Up And Training, Stainless Steel Slide Gate, Frame Assembly | 3,679.35 | |

## 35 22 59 00-0022 Aluminum Flap Gates *(35 22 59)*

| | | | | |
|---|---|---|---|---|
| 35 22 59 00-0023 | EA | 18" Diameter Aluminum Flap Gates | 3,629.55 | 477.17 |
| | | *For Electric Motor Operated Valve, Add* | *945.43* | |
| 35 22 59 00-0024 | EA | 20" Diameter Aluminum Flap Gates | 4,039.79 | 511.25 |
| | | *For Electric Motor Operated Valve, Add* | *952.24* | |
| 35 22 59 00-0025 | EA | 24" Diameter Aluminum Flap Gates | 4,446.43 | 545.33 |
| | | *For Electric Motor Operated Valve, Add* | *959.07* | |
| 35 22 59 00-0026 | EA | 30" Diameter Aluminum Flap Gates | 6,028.94 | 636.27 |
| | | *For Electric Motor Operated Valve, Add* | *977.25* | |
| 35 22 59 00-0027 | EA | 36" Diameter Aluminum Flap Gates | 7,474.29 | 763.47 |
| | | *For Electric Motor Operated Valve, Add* | *1,002.69* | |
| 35 22 59 00-0028 | EA | 42" Diameter Aluminum Flap Gates | 10,580.51 | 954.34 |
| | | *For Electric Motor Operated Valve, Add* | *1,040.87* | |
| 35 22 59 00-0029 | EA | 48" Diameter Aluminum Flap Gates | 13,386.87 | 1,272.40 |
| | | *For Electric Motor Operated Valve, Add* | *1,104.49* | |
| 35 22 59 00-0030 | EA | 54" Diameter Aluminum Flap Gates | 17,317.37 | 1,908.67 |
| | | *For Electric Motor Operated Valve, Add* | *1,231.73* | |
| 35 22 59 00-0031 | EA | 60" Diameter Aluminum Flap Gates | 22,890.52 | 2,726.67 |
| | | *For Electric Motor Operated Valve, Add* | *1,395.34* | |
| 35 22 59 00-0032 | EA | 66" Diameter Aluminum Flap Gates | 29,599.23 | 3,817.34 |
| | | *For Electric Motor Operated Valve, Add* | *1,613.47* | |
| 35 22 59 00-0033 | EA | 72" Diameter Aluminum Flap Gates | 36,907.65 | 5,453.35 |
| | | *For Electric Motor Operated Valve, Add* | *1,940.67* | |

## 35 22 59 00-0034 Stainless Steel Flap Gates *(35 22 59)*

| | | | | |
|---|---|---|---|---|
| 35 22 59 00-0035 | EA | 12" x 12" Stainless Steel Flap Gate | 7,911.40 | 409.01 |
| | | *For Electric Motor Operated Valve, Add* | *931.80* | |
| 35 22 59 00-0036 | EA | 18" x 18" Stainless Steel Flap Gate | 10,139.16 | 477.17 |
| | | *For Electric Motor Operated Valve, Add* | *945.43* | |
| 35 22 59 00-0037 | EA | 24" x 24" Stainless Steel Flap Gate | 13,073.73 | 545.33 |
| | | *For Electric Motor Operated Valve, Add* | *959.07* | |
| 35 22 59 00-0038 | EA | 30" x 30" Stainless Steel Flap Gate | 17,025.88 | 636.67 |
| | | *For Electric Motor Operated Valve, Add* | *977.25* | |
| 35 22 59 00-0039 | EA | 36" x 36" Stainless Steel Flap Gate | 25,283.92 | 763.47 |
| | | *For Electric Motor Operated Valve, Add* | *1,002.69* | |
| 35 22 59 00-0040 | EA | 48" x 48" Stainless Steel Flap Gate | 37,024.28 | 1,272.00 |
| | | *For Electric Motor Operated Valve, Add* | *1,104.49* | |
| 35 22 59 00-0041 | EA | 60" x 60" Stainless Steel Flap Gate | 56,664.09 | 2,726.67 |
| | | *For Electric Motor Operated Valve, Add* | *1,395.34* | |
| 35 22 59 00-0042 | EA | 72" x 72" Stainless Steel Flap Gate | 82,034.34 | 5,453.35 |
| | | *For Electric Motor Operated Valve, Add* | *1,940.67* | |
| 35 22 59 00-0043 | EA | 84" x 84" Stainless Steel Flap Gate | 117,705.00 | 10,906.70 |
| | | *For Electric Motor Operated Valve, Add* | *3,031.34* | |

## 35 22 59 00-0044 Cast Iron Flap Gates *(35 22 59)*

| | | | | |
|---|---|---|---|---|
| 35 22 59 00-0045 | EA | 12" x 12" Cast Iron Flap Gate | 14,050.30 | 511.25 |
| | | *For Electric Motor Operated Valve, Add* | *952.25* | |
| 35 22 59 00-0046 | EA | 18" x 18" Cast Iron Flap Gate | 19,754.27 | 597.14 |
| | | *For Electric Motor Operated Valve, Add* | *969.29* | |
| 35 22 59 00-0047 | EA | 24" x 24" Cast Iron Flap Gate | 25,230.70 | 681.67 |
| | | *For Electric Motor Operated Valve, Add* | *986.33* | |
| 35 22 59 00-0048 | EA | 30" x 30" Cast Iron Flap Gate | 35,401.84 | 794.82 |
| | | *For Electric Motor Operated Valve, Add* | *1,009.06* | |
| 35 22 59 00-0049 | EA | 36" x 36" Cast Iron Flap Gate | 39,970.58 | 954.34 |
| | | *For Electric Motor Operated Valve, Add* | *1,040.87* | |
| 35 22 59 00-0050 | EA | 48" x 48" Cast Iron Flap Gate | 49,632.92 | 1,591.02 |
| | | *For Electric Motor Operated Valve, Add* | *1,168.11* | |
| 35 22 59 00-0051 | EA | 60" x 60" Cast Iron Flap Gate | 84,944.94 | 2,999.34 |
| | | *For Electric Motor Operated Valve, Add* | *1,449.87* | |
| 35 22 59 00-0052 | EA | 72" x 72" Cast Iron Flap Gate | 135,176.58 | 5,862.35 |
| | | *For Electric Motor Operated Valve, Add* | *2,022.47* | |
| 35 22 59 00-0053 | EA | 84" x 84" Cast Iron Flap Gate | 156,522.56 | 11,452.03 |
| | | *For Electric Motor Operated Valve, Add* | *3,140.41* | |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 35 22 59 00-0054 Steel Knife Gates Including Handwheel Operator *(35 22 59)*

Note: ANSI 150 PSI. for hub, flange, or spigot ends.

| | | | | |
|---|---|---|---|---|
| 35 22 59 00-0055 | EA | 6" Diameter Knife Gates Including Handwheel Operator For Hub | 1,907.28 | 170.91 |
| | | *For Electric Motor Operated Valve, Add* | *884.18* | |
| 35 22 59 00-0056 | EA | 8" Diameter Knife Gates Including Handwheel Operator For Hub | 2,561.60 | 199.36 |
| | | *For Electric Motor Operated Valve, Add* | *889.88* | |
| 35 22 59 00-0057 | EA | 10" Diameter Knife Gates Including Handwheel Operator For Hub | 3,601.42 | 299.10 |
| | | *For Electric Motor Operated Valve, Add* | *909.82* | |
| 35 22 59 00-0058 | EA | 12" Diameter Knife Gates Including Handwheel Operator For Hub | 4,501.15 | 398.84 |
| | | *For Electric Motor Operated Valve, Add* | *929.76* | |
| 35 22 59 00-0059 | EA | 14" Diameter Knife Gates Including Handwheel Operator For Hub | 5,509.76 | 427.28 |
| | | *For Electric Motor Operated Valve, Add* | *935.46* | |
| 35 22 59 00-0060 | EA | 16" Diameter Knife Gates Including Handwheel Operator For Hub | 7,124.47 | 460.12 |
| | | *For Electric Motor Operated Valve, Add* | *942.03* | |
| 35 22 59 00-0061 | EA | 18" Diameter Knife Gates Including Handwheel Operator For Hub | 9,460.05 | 478.55 |
| | | *For Electric Motor Operated Valve, Add* | *945.71* | |
| 35 22 59 00-0062 | EA | 20" Diameter Knife Gates Including Handwheel Operator For Hub | 11,823.41 | 543.87 |
| | | *For Electric Motor Operated Valve, Add* | *958.76* | |
| 35 22 59 00-0063 | EA | 24" Diameter Knife Gates Including Handwheel Operator For Hub | 15,149.62 | 598.20 |
| | | *For Electric Motor Operated Valve, Add* | *969.64* | |
| 35 22 59 00-0064 | EA | 30" Diameter Knife Gates Including Handwheel Operator For Hub | 27,548.93 | 797.54 |
| | | *For Electric Motor Operated Valve, Add* | *1,009.52* | |
| 35 22 59 00-0065 | EA | 36" Diameter Knife Gates Including Handwheel Operator For Hub | 36,664.08 | 1,196.38 |
| | | *For Electric Motor Operated Valve, Add* | *1,089.28* | |

### 35 22 59 00-0066 Steel Hollow Jet Flow Gate Valve *(35 22 59)*

| | | | | |
|---|---|---|---|---|
| 35 22 59 00-0067 | EA | 6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 1,785.55 | 190.87 |
| | | *For Electric Motor Operated Valve, Add* | *888.17* | |
| 35 22 59 00-0068 | EA | 8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 2,756.15 | 222.91 |
| | | *For Electric Motor Operated Valve, Add* | *894.58* | |
| 35 22 59 00-0069 | EA | 10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 3,317.38 | 334.02 |
| | | *For Electric Motor Operated Valve, Add* | *916.80* | |
| 35 22 59 00-0070 | EA | 12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 4,231.56 | 445.13 |
| | | *For Electric Motor Operated Valve, Add* | *939.04* | |
| 35 22 59 00-0071 | EA | 14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 6,346.82 | 477.17 |
| | | *For Electric Motor Operated Valve, Add* | *945.43* | |
| 35 22 59 00-0072 | EA | 16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 7,648.10 | 513.97 |
| | | *For Electric Motor Operated Valve, Add* | *952.79* | |
| 35 22 59 00-0073 | EA | 18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 12,817.39 | 534.43 |
| | | *For Electric Motor Operated Valve, Add* | *956.89* | |
| 35 22 59 00-0074 | EA | 20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 16,112.74 | 607.37 |
| | | *For Electric Motor Operated Valve, Add* | *971.48* | |
| 35 22 59 00-0075 | EA | 24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 23,149.61 | 668.04 |
| | | *For Electric Motor Operated Valve, Add* | *983.62* | |
| 35 22 59 00-0076 | EA | 30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 28,366.05 | 890.94 |
| | | *For Electric Motor Operated Valve, Add* | *1,028.18* | |
| 35 22 59 00-0077 | EA | 36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 40,486.41 | 1,336.07 |
| | | *For Electric Motor Operated Valve, Add* | *1,117.17* | |
| 35 22 59 00-0078 | EA | 42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 48,256.71 | 1,636.00 |
| | | *For Electric Motor Operated Valve, Add* | *1,577.28* | |
| 35 22 59 00-0079 | EA | 48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 57,219.69 | 1,908.67 |
| | | *For Electric Motor Operated Valve, Add* | *1,631.73* | |
| 35 22 59 00-0080 | EA | 54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 75,340.89 | 2,385.84 |
| | | *For Electric Motor Operated Valve, Add* | *1,727.17* | |
| 35 22 59 00-0081 | EA | 60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 83,932.47 | 2,863.01 |
| | | *For Electric Motor Operated Valve, Add* | *1,822.83* | |
| 35 22 59 00-0082 | EA | 66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub | 107,143.63 | 3,953.68 |
| | | *For Electric Motor Operated Valve, Add* | *2,041.32* | |

### 35 22 59 00-0083 Steel Dish Head Valve *(35 22 59)*

| | | | | |
|---|---|---|---|---|
| 35 22 59 00-0084 | EA | 12" Diameter Dish Head Valve | 2,292.28 | 477.17 |
| 35 22 59 00-0085 | EA | 18" Diameter Dish Head Valve | 3,292.59 | 545.33 |
| 35 22 59 00-0086 | EA | 20" Diameter Dish Head Valve | 3,788.60 | 596.46 |
| 35 22 59 00-0087 | EA | 24" Diameter Dish Head Valve | 4,456.84 | 636.27 |
| 35 22 59 00-0088 | EA | 30" Diameter Dish Head Valve | 6,666.40 | 763.47 |
| 35 22 59 00-0089 | EA | 36" Diameter Dish Head Valve | 8,218.21 | 954.34 |
| 35 22 59 00-0090 | EA | 42" Diameter Dish Head Valve | 13,742.10 | 1,272.40 |
| 35 22 59 00-0091 | EA | 48" Diameter Dish Head Valve | 18,016.27 | 1,908.67 |
| 35 22 59 00-0092 | EA | 54" Diameter Dish Head Valve | 25,561.57 | 2,385.84 |
| 35 22 59 00-0093 | EA | 60" Diameter Dish Head Valve | 32,971.59 | 3,817.34 |
| 35 22 59 00-0094 | EA | 66" Diameter Dish Head Valve | 45,583.76 | 4,771.69 |
| 35 22 59 00-0095 | EA | 72" Diameter Dish Head Valve | 55,597.74 | 6,362.29 |

## 35 22 63 Through-Levee Access Gates *(35 22)*

### 35 22 63 00-0001 Cast Iron Canal Gates *(35 22 63)*

| | | | | |
|---|---|---|---|---|
| 35 22 63 00-0002 | EA | 12" Diameter Cast Iron Canal Gates With Fabricated Frame | 3,107.60 | 477.17 |
| | | *For Electric Motor Operated Valve, Add* | *945.43* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 35 22 63 00-0003 | EA | 18" Diameter Cast Iron Canal Gates With Fabricated Frame | 4,634.41 | 545.33 |
| | | *For Electric Motor Operated Valve, Add* | *959.07* | |
| 35 22 63 00-0004 | EA | 20" Diameter Cast Iron Canal Gates With Fabricated Frame | 5,318.26 | 596.46 |
| | | *For Electric Motor Operated Valve, Add* | *969.29* | |
| 35 22 63 00-0005 | EA | 24" Diameter Cast Iron Canal Gates With Fabricated Frame | 6,397.37 | 636.27 |
| | | *For Electric Motor Operated Valve, Add* | *977.25* | |
| 35 22 63 00-0006 | EA | 30" Diameter Cast Iron Canal Gates With Fabricated Frame | 9,798.32 | 763.47 |
| | | *For Electric Motor Operated Valve, Add* | *1,002.69* | |
| 35 22 63 00-0007 | EA | 36" Diameter Cast Iron Canal Gates With Fabricated Frame | 12,063.16 | 954.34 |
| | | *For Electric Motor Operated Valve, Add* | *1,040.87* | |
| 35 22 63 00-0008 | EA | 42" Diameter Cast Iron Canal Gates With Fabricated Frame | 20,565.53 | 1,272.40 |
| | | *For Electric Motor Operated Valve, Add* | *1,104.49* | |
| 35 22 63 00-0009 | EA | 48" Diameter Cast Iron Canal Gates With Fabricated Frame | 26,668.91 | 1,908.67 |
| | | *For Electric Motor Operated Valve, Add* | *1,231.73* | |
| 35 22 63 00-0010 | EA | 54" Diameter Cast Iron Canal Gates With Fabricated Frame | 38,230.64 | 2,385.84 |
| | | *For Electric Motor Operated Valve, Add* | *1,327.17* | |
| 35 22 63 00-0011 | EA | 60" Diameter Cast Iron Canal Gates With Fabricated Frame | 48,411.55 | 3,817.34 |
| | | *For Electric Motor Operated Valve, Add* | *1,613.47* | |
| 35 22 63 00-0012 | EA | 66" Diameter Cast Iron Canal Gates With Fabricated Frame | 67,546.30 | 4,771.69 |
| | | *For Electric Motor Operated Valve, Add* | *1,804.34* | |
| 35 22 63 00-0013 | EA | 72" Diameter Cast Iron Canal Gates With Fabricated Frame | 79,906.36 | 5,453.35 |
| | | *For Electric Motor Operated Valve, Add* | *1,940.67* | |

## 35 24 Dredging *(35 20)*

### 35 24 23 Clamshell Dredging *(35 24)*

#### 35 24 23 00-0001 Dredging, Barge Mounted *(35 24 23)*

See CSI section 01 74 19 00-0041 for hauling material from shore or barge, 31 23 16 33-0019 for loading.

| | | | | |
|---|---|---|---|---|
| 35 24 23 00-0002 | EA | Dredge Excavation Mobilization And Demobilization | 24,764.82 | |
| | | *For Inlet Rivers And Canals, Deduct* | *-6,191.21* | |
| 35 24 23 00-0003 | CY | Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles<br>Note: Includes tugboat to move scows or barge. | 27.52 | |
| 35 24 23 00-0004 | CY | Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore<br>Note: Includes tugboat to move barge. | 24.76 | |
| 35 24 23 00-0005 | CY | Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles<br>Note: Includes tugboat to move scows or barge. | 27.42 | |
| 35 24 23 00-0006 | CY | Hydraulic Dredge Excavation, Pumped 1,000' To Shore<br>Note: Includes tugboat to move barge. | 22.99 | |

### 35 24 26 Backhoe/Dipper Dredging *(35 24)*

#### 35 24 26 00-0001 Dredging, Shoreline Excavators *(35 24 26)*

| | | | | |
|---|---|---|---|---|
| 35 24 26 00-0002 | CY | Back Hoe, 1 CY Bucket, Dredging From Shore | 16.17 | |
| 35 24 26 00-0003 | CY | Hydraulic Excavator, 2 CY Bucket, Dredging From Shore | 10.75 | |

**END OF SECTION 35**

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

# 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections *(40)*

### 40 05 19 Ductile Iron Process Pipe *(40 05)*

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

| | | | | | |
|---|---|---|---|---|---|
| 40 05 19 00-0004 | EA | 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 917.95 | 230.44 |
| | | *For Class 52 Rating, Deduct* | | *-62.57* | |
| | | *For Class 54 Rating, Add* | | *89.51* | |
| | | *For Class 55 Rating, Add* | | *135.22* | |
| | | *For Class 56 Rating, Add* | | *180.37* | |
| 40 05 19 00-0005 | EA | 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 984.90 | 234.47 |
| | | *For Class 52 Rating, Deduct* | | *-69.26* | |
| | | *For Class 54 Rating, Add* | | *98.71* | |
| | | *For Class 55 Rating, Add* | | *148.94* | |
| | | *For Class 56 Rating, Add* | | *198.54* | |
| 40 05 19 00-0006 | EA | 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 1,051.87 | 238.50 |
| | | *For Class 52 Rating, Deduct* | | *-75.96* | |
| | | *For Class 54 Rating, Add* | | *107.91* | |
| | | *For Class 55 Rating, Add* | | *162.66* | |
| | | *For Class 56 Rating, Add* | | *216.71* | |
| 40 05 19 00-0007 | EA | 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 1,118.83 | 242.52 |
| | | *For Class 52 Rating, Deduct* | | *-82.65* | |
| | | *For Class 54 Rating, Add* | | *117.12* | |
| | | *For Class 55 Rating, Add* | | *176.37* | |
| | | *For Class 56 Rating, Add* | | *234.88* | |
| 40 05 19 00-0008 | EA | 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 1,185.79 | 246.55 |
| | | *For Class 52 Rating, Deduct* | | *-89.35* | |
| | | *For Class 54 Rating, Add* | | *126.32* | |
| | | *For Class 55 Rating, Add* | | *190.09* | |
| | | *For Class 56 Rating, Add* | | *253.06* | |
| 40 05 19 00-0009 | EA | 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 1,252.76 | 250.58 |
| | | *For Class 52 Rating, Deduct* | | *-96.04* | |
| | | *For Class 54 Rating, Add* | | *135.52* | |
| | | *For Class 55 Rating, Add* | | *203.81* | |
| | | *For Class 56 Rating, Add* | | *271.23* | |
| 40 05 19 00-0010 | EA | 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 1,319.73 | 254.61 |
| | | *For Class 52 Rating, Deduct* | | *-102.73* | |
| | | *For Class 54 Rating, Add* | | *144.72* | |
| | | *For Class 55 Rating, Add* | | *217.53* | |
| | | *For Class 56 Rating, Add* | | *289.40* | |
| 40 05 19 00-0011 | EA | 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 1,386.68 | 258.63 |
| | | *For Class 52 Rating, Deduct* | | *-109.43* | |
| | | *For Class 54 Rating, Add* | | *153.92* | |
| | | *For Class 55 Rating, Add* | | *231.25* | |
| | | *For Class 56 Rating, Add* | | *307.58* | |
| 40 05 19 00-0012 | EA | 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 1,453.64 | 262.66 |
| | | *For Class 52 Rating, Deduct* | | *-116.12* | |
| | | *For Class 54 Rating, Add* | | *163.12* | |
| | | *For Class 55 Rating, Add* | | *244.96* | |
| | | *For Class 56 Rating, Add* | | *325.75* | |
| 40 05 19 00-0013 | EA | 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 1,520.61 | 266.70 |
| | | *For Class 52 Rating, Deduct* | | *-122.82* | |
| | | *For Class 54 Rating, Add* | | *172.33* | |
| | | *For Class 55 Rating, Add* | | *258.68* | |
| | | *For Class 56 Rating, Add* | | *343.92* | |
| 40 05 19 00-0014 | EA | 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 1,587.57 | 270.73 |
| | | *For Class 52 Rating, Deduct* | | *-129.51* | |
| | | *For Class 54 Rating, Add* | | *181.53* | |
| | | *For Class 55 Rating, Add* | | *272.40* | |
| | | *For Class 56 Rating, Add* | | *362.09* | |
| 40 05 19 00-0015 | EA | 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 1,654.53 | 274.76 |
| | | *For Class 52 Rating, Deduct* | | *-136.21* | |
| | | *For Class 54 Rating, Add* | | *190.73* | |
| | | *For Class 55 Rating, Add* | | *286.12* | |
| | | *For Class 56 Rating, Add* | | *380.27* | |
| 40 05 19 00-0016 | EA | 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | | 1,721.49 | 278.78 |
| | | *For Class 52 Rating, Deduct* | | *-142.90* | |
| | | *For Class 54 Rating, Add* | | *199.93* | |
| | | *For Class 55 Rating, Add* | | *299.84* | |
| | | *For Class 56 Rating, Add* | | *398.44* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0017 | EA | 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,788.46 | 282.81 |
| | | *For Class 52 Rating, Deduct* | *-149.60* | |
| | | *For Class 54 Rating, Add* | *209.14* | |
| | | *For Class 55 Rating, Add* | *313.56* | |
| | | *For Class 56 Rating, Add* | *416.61* | |
| 40 05 19 00-0018 | EA | 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,855.43 | 286.84 |
| | | *For Class 52 Rating, Deduct* | *-156.29* | |
| | | *For Class 54 Rating, Add* | *218.34* | |
| | | *For Class 55 Rating, Add* | *327.27* | |
| | | *For Class 56 Rating, Add* | *434.79* | |
| 40 05 19 00-0019 | EA | 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,922.38 | 290.87 |
| | | *For Class 52 Rating, Deduct* | *-162.98* | |
| | | *For Class 54 Rating, Add* | *227.54* | |
| | | *For Class 55 Rating, Add* | *340.99* | |
| | | *For Class 56 Rating, Add* | *452.96* | |
| 40 05 19 00-0020 | EA | 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,989.34 | 294.89 |
| | | *For Class 52 Rating, Deduct* | *-169.68* | |
| | | *For Class 54 Rating, Add* | *236.74* | |
| | | *For Class 55 Rating, Add* | *354.71* | |
| | | *For Class 56 Rating, Add* | *471.13* | |
| 40 05 19 00-0021 | EA | 4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,056.31 | 298.92 |
| | | *For Class 52 Rating, Deduct* | *-176.37* | |
| | | *For Class 54 Rating, Add* | *245.94* | |
| | | *For Class 55 Rating, Add* | *368.43* | |
| | | *For Class 56 Rating, Add* | *489.31* | |
| 40 05 19 00-0022 | EA | 4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,123.27 | 302.96 |
| | | *For Class 52 Rating, Deduct* | *-183.07* | |
| | | *For Class 54 Rating, Add* | *255.15* | |
| | | *For Class 55 Rating, Add* | *382.14* | |
| | | *For Class 56 Rating, Add* | *507.48* | |
| 40 05 19 00-0023 | EA | 4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,190.23 | 306.99 |
| | | *For Class 52 Rating, Deduct* | *-189.76* | |
| | | *For Class 54 Rating, Add* | *264.35* | |
| | | *For Class 55 Rating, Add* | *395.86* | |
| | | *For Class 56 Rating, Add* | *525.65* | |
| 40 05 19 00-0024 | EA | 4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,257.20 | 311.01 |
| | | *For Class 52 Rating, Deduct* | *-196.46* | |
| | | *For Class 54 Rating, Add* | *273.55* | |
| | | *For Class 55 Rating, Add* | *409.58* | |
| | | *For Class 56 Rating, Add* | *543.83* | |
| 40 05 19 00-0025 | EA | 4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,324.16 | 315.04 |
| | | *For Class 52 Rating, Deduct* | *-203.15* | |
| | | *For Class 54 Rating, Add* | *282.75* | |
| | | *For Class 55 Rating, Add* | *423.30* | |
| | | *For Class 56 Rating, Add* | *562.00* | |
| 40 05 19 00-0026 | EA | 4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,391.13 | 319.07 |
| | | *For Class 52 Rating, Deduct* | *-209.85* | |
| | | *For Class 54 Rating, Add* | *291.95* | |
| | | *For Class 55 Rating, Add* | *437.02* | |
| | | *For Class 56 Rating, Add* | *580.17* | |
| 40 05 19 00-0027 | EA | 4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,458.09 | 323.10 |
| | | *For Class 52 Rating, Deduct* | *-216.54* | |
| | | *For Class 54 Rating, Add* | *301.16* | |
| | | *For Class 55 Rating, Add* | *450.74* | |
| | | *For Class 56 Rating, Add* | *598.35* | |
| 40 05 19 00-0028 | EA | 4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,525.04 | 327.12 |
| | | *For Class 52 Rating, Deduct* | *-223.23* | |
| | | *For Class 54 Rating, Add* | *310.36* | |
| | | *For Class 55 Rating, Add* | *464.45* | |
| | | *For Class 56 Rating, Add* | *616.52* | |
| 40 05 19 00-0029 | EA | 4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,592.01 | 331.15 |
| | | *For Class 52 Rating, Deduct* | *-229.93* | |
| | | *For Class 54 Rating, Add* | *319.56* | |
| | | *For Class 55 Rating, Add* | *478.17* | |
| | | *For Class 56 Rating, Add* | *634.69* | |
| 40 05 19 00-0030 | EA | 4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,658.98 | 335.18 |
| | | *For Class 52 Rating, Deduct* | *-236.62* | |
| | | *For Class 54 Rating, Add* | *328.76* | |
| | | *For Class 55 Rating, Add* | *491.89* | |
| | | *For Class 56 Rating, Add* | *652.86* | |
| 40 05 19 00-0031 | EA | 4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,725.93 | 339.21 |
| | | *For Class 52 Rating, Deduct* | *-243.32* | |
| | | *For Class 54 Rating, Add* | *337.96* | |
| | | *For Class 55 Rating, Add* | *505.61* | |
| | | *For Class 56 Rating, Add* | *671.04* | |
| 40 05 19 00-0032 | EA | 4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,792.90 | 343.24 |
| | | *For Class 52 Rating, Deduct* | *-250.01* | |
| | | *For Class 54 Rating, Add* | *347.17* | |
| | | *For Class 55 Rating, Add* | *519.32* | |
| | | *For Class 56 Rating, Add* | *689.21* | |
| 40 05 19 00-0033 | EA | 4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,859.86 | 347.27 |
| | | *For Class 52 Rating, Deduct* | *-256.71* | |
| | | *For Class 54 Rating, Add* | *356.37* | |
| | | *For Class 55 Rating, Add* | *533.04* | |
| | | *For Class 56 Rating, Add* | *707.38* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0034 | EA | 4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,926.83 | 351.30 |
| | | *For Class 52 Rating, Deduct* | *-263.40* | |
| | | *For Class 54 Rating, Add* | *365.57* | |
| | | *For Class 55 Rating, Add* | *546.76* | |
| | | *For Class 56 Rating, Add* | *725.56* | |
| 40 05 19 00-0035 | EA | 4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,993.79 | 355.33 |
| | | *For Class 52 Rating, Deduct* | *-270.10* | |
| | | *For Class 54 Rating, Add* | *374.77* | |
| | | *For Class 55 Rating, Add* | *560.48* | |
| | | *For Class 56 Rating, Add* | *743.73* | |
| 40 05 19 00-0036 | EA | 4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,060.74 | 359.35 |
| | | *For Class 52 Rating, Deduct* | *-276.79* | |
| | | *For Class 54 Rating, Add* | *383.97* | |
| | | *For Class 55 Rating, Add* | *574.20* | |
| | | *For Class 56 Rating, Add* | *761.90* | |
| 40 05 19 00-0037 | EA | 4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,127.71 | 363.38 |
| | | *For Class 52 Rating, Deduct* | *-283.48* | |
| | | *For Class 54 Rating, Add* | *393.18* | |
| | | *For Class 55 Rating, Add* | *587.91* | |
| | | *For Class 56 Rating, Add* | *780.07* | |
| 40 05 19 00-0038 | EA | 4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,194.68 | 367.41 |
| | | *For Class 52 Rating, Deduct* | *-290.18* | |
| | | *For Class 54 Rating, Add* | *402.38* | |
| | | *For Class 55 Rating, Add* | *601.63* | |
| | | *For Class 56 Rating, Add* | *798.25* | |
| 40 05 19 00-0039 | EA | 4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,261.63 | 371.44 |
| | | *For Class 52 Rating, Deduct* | *-296.87* | |
| | | *For Class 54 Rating, Add* | *411.58* | |
| | | *For Class 55 Rating, Add* | *615.35* | |
| | | *For Class 56 Rating, Add* | *816.42* | |
| 40 05 19 00-0040 | EA | 4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,328.60 | 375.46 |
| | | *For Class 52 Rating, Deduct* | *-303.57* | |
| | | *For Class 54 Rating, Add* | *420.78* | |
| | | *For Class 55 Rating, Add* | *629.07* | |
| | | *For Class 56 Rating, Add* | *834.59* | |
| 40 05 19 00-0041 | EA | 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,395.57 | 379.50 |
| | | *For Class 52 Rating, Deduct* | *-310.26* | |
| | | *For Class 54 Rating, Add* | *429.99* | |
| | | *For Class 55 Rating, Add* | *642.79* | |
| | | *For Class 56 Rating, Add* | *852.77* | |
| 40 05 19 00-0042 | EA | 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,462.53 | 383.53 |
| | | *For Class 52 Rating, Deduct* | *-316.96* | |
| | | *For Class 54 Rating, Add* | *439.19* | |
| | | *For Class 55 Rating, Add* | *656.51* | |
| | | *For Class 56 Rating, Add* | *870.94* | |
| 40 05 19 00-0043 | | 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)* | | |
| 40 05 19 00-0044 | EA | 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,162.77 | 290.06 |
| | | *For Class 52 Rating, Deduct* | *-79.56* | |
| | | *For Class 54 Rating, Add* | *113.77* | |
| | | *For Class 55 Rating, Add* | *171.84* | |
| | | *For Class 56 Rating, Add* | *229.19* | |
| 40 05 19 00-0045 | EA | 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,243.78 | 294.09 |
| | | *For Class 52 Rating, Deduct* | *-87.80* | |
| | | *For Class 54 Rating, Add* | *125.08* | |
| | | *For Class 55 Rating, Add* | *188.69* | |
| | | *For Class 56 Rating, Add* | *251.51* | |
| 40 05 19 00-0046 | EA | 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,324.79 | 298.12 |
| | | *For Class 52 Rating, Deduct* | *-96.04* | |
| | | *For Class 54 Rating, Add* | *136.38* | |
| | | *For Class 55 Rating, Add* | *205.54* | |
| | | *For Class 56 Rating, Add* | *273.82* | |
| 40 05 19 00-0047 | EA | 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,405.79 | 302.15 |
| | | *For Class 52 Rating, Deduct* | *-104.28* | |
| | | *For Class 54 Rating, Add* | *147.69* | |
| | | *For Class 55 Rating, Add* | *222.39* | |
| | | *For Class 56 Rating, Add* | *296.14* | |
| 40 05 19 00-0048 | EA | 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,486.79 | 306.17 |
| | | *For Class 52 Rating, Deduct* | *-112.52* | |
| | | *For Class 54 Rating, Add* | *159.00* | |
| | | *For Class 55 Rating, Add* | *239.24* | |
| | | *For Class 56 Rating, Add* | *318.45* | |
| 40 05 19 00-0049 | EA | 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,567.81 | 310.20 |
| | | *For Class 52 Rating, Deduct* | *-120.76* | |
| | | *For Class 54 Rating, Add* | *170.31* | |
| | | *For Class 55 Rating, Add* | *256.09* | |
| | | *For Class 56 Rating, Add* | *340.77* | |
| 40 05 19 00-0050 | EA | 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,648.82 | 314.23 |
| | | *For Class 52 Rating, Deduct* | *-129.00* | |
| | | *For Class 54 Rating, Add* | *181.62* | |
| | | *For Class 55 Rating, Add* | *272.94* | |
| | | *For Class 56 Rating, Add* | *363.09* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0051 | EA | 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,729.81 | 318.27 |
| | | *For Class 52 Rating, Deduct* | *-137.24* | |
| | | *For Class 54 Rating, Add* | *192.93* | |
| | | *For Class 55 Rating, Add* | *289.79* | |
| | | *For Class 56 Rating, Add* | *385.40* | |
| 40 05 19 00-0052 | EA | 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,810.83 | 322.29 |
| | | *For Class 52 Rating, Deduct* | *-145.48* | |
| | | *For Class 54 Rating, Add* | *204.24* | |
| | | *For Class 55 Rating, Add* | *306.64* | |
| | | *For Class 56 Rating, Add* | *407.72* | |
| 40 05 19 00-0053 | EA | 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,891.83 | 326.32 |
| | | *For Class 52 Rating, Deduct* | *-153.72* | |
| | | *For Class 54 Rating, Add* | *215.54* | |
| | | *For Class 55 Rating, Add* | *323.49* | |
| | | *For Class 56 Rating, Add* | *430.04* | |
| 40 05 19 00-0054 | EA | 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,972.84 | 330.35 |
| | | *For Class 52 Rating, Deduct* | *-161.95* | |
| | | *For Class 54 Rating, Add* | *226.85* | |
| | | *For Class 55 Rating, Add* | *340.34* | |
| | | *For Class 56 Rating, Add* | *452.35* | |
| 40 05 19 00-0055 | EA | 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,053.85 | 334.38 |
| | | *For Class 52 Rating, Deduct* | *-170.19* | |
| | | *For Class 54 Rating, Add* | *238.16* | |
| | | *For Class 55 Rating, Add* | *357.19* | |
| | | *For Class 56 Rating, Add* | *474.67* | |
| 40 05 19 00-0056 | EA | 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,134.85 | 338.40 |
| | | *For Class 52 Rating, Deduct* | *-178.43* | |
| | | *For Class 54 Rating, Add* | *249.47* | |
| | | *For Class 55 Rating, Add* | *374.04* | |
| | | *For Class 56 Rating, Add* | *496.98* | |
| 40 05 19 00-0057 | EA | 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,215.86 | 342.43 |
| | | *For Class 52 Rating, Deduct* | *-186.67* | |
| | | *For Class 54 Rating, Add* | *260.78* | |
| | | *For Class 55 Rating, Add* | *390.89* | |
| | | *For Class 56 Rating, Add* | *519.30* | |
| 40 05 19 00-0058 | EA | 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,296.87 | 346.46 |
| | | *For Class 52 Rating, Deduct* | *-194.91* | |
| | | *For Class 54 Rating, Add* | *272.09* | |
| | | *For Class 55 Rating, Add* | *407.74* | |
| | | *For Class 56 Rating, Add* | *541.61* | |
| 40 05 19 00-0059 | EA | 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,377.87 | 350.49 |
| | | *For Class 52 Rating, Deduct* | *-203.15* | |
| | | *For Class 54 Rating, Add* | *283.40* | |
| | | *For Class 55 Rating, Add* | *424.59* | |
| | | *For Class 56 Rating, Add* | *563.93* | |
| 40 05 19 00-0060 | EA | 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,458.88 | 354.51 |
| | | *For Class 52 Rating, Deduct* | *-211.39* | |
| | | *For Class 54 Rating, Add* | *294.71* | |
| | | *For Class 55 Rating, Add* | *441.44* | |
| | | *For Class 56 Rating, Add* | *586.25* | |
| 40 05 19 00-0061 | EA | 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,539.89 | 358.55 |
| | | *For Class 52 Rating, Deduct* | *-219.63* | |
| | | *For Class 54 Rating, Add* | *306.01* | |
| | | *For Class 55 Rating, Add* | *458.29* | |
| | | *For Class 56 Rating, Add* | *608.56* | |
| 40 05 19 00-0062 | EA | 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,620.90 | 362.58 |
| | | *For Class 52 Rating, Deduct* | *-227.87* | |
| | | *For Class 54 Rating, Add* | *317.32* | |
| | | *For Class 55 Rating, Add* | *475.14* | |
| | | *For Class 56 Rating, Add* | *630.88* | |
| 40 05 19 00-0063 | EA | 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,701.90 | 366.61 |
| | | *For Class 52 Rating, Deduct* | *-236.11* | |
| | | *For Class 54 Rating, Add* | *328.63* | |
| | | *For Class 55 Rating, Add* | *491.99* | |
| | | *For Class 56 Rating, Add* | *653.20* | |
| 40 05 19 00-0064 | EA | 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,782.91 | 370.63 |
| | | *For Class 52 Rating, Deduct* | *-244.35* | |
| | | *For Class 54 Rating, Add* | *339.94* | |
| | | *For Class 55 Rating, Add* | *508.84* | |
| | | *For Class 56 Rating, Add* | *675.51* | |
| 40 05 19 00-0065 | EA | 6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,863.92 | 374.66 |
| | | *For Class 52 Rating, Deduct* | *-252.59* | |
| | | *For Class 54 Rating, Add* | *351.25* | |
| | | *For Class 55 Rating, Add* | *525.69* | |
| | | *For Class 56 Rating, Add* | *697.83* | |
| 40 05 19 00-0066 | EA | 6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,944.93 | 378.69 |
| | | *For Class 52 Rating, Deduct* | *-260.83* | |
| | | *For Class 54 Rating, Add* | *362.56* | |
| | | *For Class 55 Rating, Add* | *542.54* | |
| | | *For Class 56 Rating, Add* | *720.15* | |
| 40 05 19 00-0067 | EA | 6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,025.93 | 382.72 |
| | | *For Class 52 Rating, Deduct* | *-269.07* | |
| | | *For Class 54 Rating, Add* | *373.87* | |
| | | *For Class 55 Rating, Add* | *559.39* | |
| | | *For Class 56 Rating, Add* | *742.46* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0068 | EA | 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,106.94 | 386.75 |
| | | *For Class 52 Rating, Deduct* | *-277.31* | |
| | | *For Class 54 Rating, Add* | *385.18* | |
| | | *For Class 55 Rating, Add* | *576.24* | |
| | | *For Class 56 Rating, Add* | *764.78* | |
| 40 05 19 00-0069 | EA | 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,187.95 | 390.77 |
| | | *For Class 52 Rating, Deduct* | *-285.54* | |
| | | *For Class 54 Rating, Add* | *396.48* | |
| | | *For Class 55 Rating, Add* | *593.09* | |
| | | *For Class 56 Rating, Add* | *787.09* | |
| 40 05 19 00-0070 | EA | 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,268.96 | 394.81 |
| | | *For Class 52 Rating, Deduct* | *-293.78* | |
| | | *For Class 54 Rating, Add* | *407.79* | |
| | | *For Class 55 Rating, Add* | *609.94* | |
| | | *For Class 56 Rating, Add* | *809.41* | |
| 40 05 19 00-0071 | EA | 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,349.95 | 398.84 |
| | | *For Class 52 Rating, Deduct* | *-302.02* | |
| | | *For Class 54 Rating, Add* | *419.10* | |
| | | *For Class 55 Rating, Add* | *626.79* | |
| | | *For Class 56 Rating, Add* | *831.72* | |
| 40 05 19 00-0072 | EA | 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,430.97 | 402.87 |
| | | *For Class 52 Rating, Deduct* | *-310.26* | |
| | | *For Class 54 Rating, Add* | *430.41* | |
| | | *For Class 55 Rating, Add* | *643.64* | |
| | | *For Class 56 Rating, Add* | *854.04* | |
| 40 05 19 00-0073 | EA | 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,511.97 | 406.89 |
| | | *For Class 52 Rating, Deduct* | *-318.50* | |
| | | *For Class 54 Rating, Add* | *441.72* | |
| | | *For Class 55 Rating, Add* | *660.49* | |
| | | *For Class 56 Rating, Add* | *876.36* | |
| 40 05 19 00-0074 | EA | 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,592.98 | 410.92 |
| | | *For Class 52 Rating, Deduct* | *-326.74* | |
| | | *For Class 54 Rating, Add* | *453.03* | |
| | | *For Class 55 Rating, Add* | *677.34* | |
| | | *For Class 56 Rating, Add* | *898.67* | |
| 40 05 19 00-0075 | EA | 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,673.99 | 414.95 |
| | | *For Class 52 Rating, Deduct* | *-334.98* | |
| | | *For Class 54 Rating, Add* | *464.34* | |
| | | *For Class 55 Rating, Add* | *694.19* | |
| | | *For Class 56 Rating, Add* | *920.99* | |
| 40 05 19 00-0076 | EA | 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,754.99 | 418.98 |
| | | *For Class 52 Rating, Deduct* | *-343.22* | |
| | | *For Class 54 Rating, Add* | *475.64* | |
| | | *For Class 55 Rating, Add* | *711.04* | |
| | | *For Class 56 Rating, Add* | *943.31* | |
| 40 05 19 00-0077 | EA | 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,836.00 | 423.00 |
| | | *For Class 52 Rating, Deduct* | *-351.46* | |
| | | *For Class 54 Rating, Add* | *486.95* | |
| | | *For Class 55 Rating, Add* | *727.88* | |
| | | *For Class 56 Rating, Add* | *965.62* | |
| 40 05 19 00-0078 | EA | 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,917.02 | 427.03 |
| | | *For Class 52 Rating, Deduct* | *-359.70* | |
| | | *For Class 54 Rating, Add* | *498.26* | |
| | | *For Class 55 Rating, Add* | *744.74* | |
| | | *For Class 56 Rating, Add* | *987.94* | |
| 40 05 19 00-0079 | EA | 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,998.01 | 431.07 |
| | | *For Class 52 Rating, Deduct* | *-367.94* | |
| | | *For Class 54 Rating, Add* | *509.57* | |
| | | *For Class 55 Rating, Add* | *761.59* | |
| | | *For Class 56 Rating, Add* | *1,010.25* | |
| 40 05 19 00-0080 | EA | 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,079.02 | 435.10 |
| | | *For Class 52 Rating, Deduct* | *-376.18* | |
| | | *For Class 54 Rating, Add* | *520.88* | |
| | | *For Class 55 Rating, Add* | *778.43* | |
| | | *For Class 56 Rating, Add* | *1,032.57* | |
| 40 05 19 00-0081 | EA | 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,160.04 | 439.12 |
| | | *For Class 52 Rating, Deduct* | *-384.42* | |
| | | *For Class 54 Rating, Add* | *532.19* | |
| | | *For Class 55 Rating, Add* | *795.29* | |
| | | *For Class 56 Rating, Add* | *1,054.89* | |
| 40 05 19 00-0082 | EA | 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,241.04 | 443.15 |
| | | *For Class 52 Rating, Deduct* | *-392.66* | |
| | | *For Class 54 Rating, Add* | *543.50* | |
| | | *For Class 55 Rating, Add* | *812.14* | |
| | | *For Class 56 Rating, Add* | *1,077.20* | |

### 40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0084 | EA | 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,626.60 | 370.63 |
| | | *For Class 52 Rating, Deduct* | *-117.15* | |
| | | *For Class 54 Rating, Add* | *166.49* | |
| | | *For Class 55 Rating, Add* | *250.98* | |
| | | *For Class 56 Rating, Add* | *334.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0085 | EA | 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,735.69 | 374.66 |
| | | *For Class 52 Rating, Deduct* | *-128.48* | |
| | | *For Class 54 Rating, Add* | *182.02* | |
| | | *For Class 55 Rating, Add* | *274.09* | |
| | | *For Class 56 Rating, Add* | *365.00* | |
| 40 05 19 00-0086 | EA | 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,844.79 | 378.69 |
| | | *For Class 52 Rating, Deduct* | *-139.81* | |
| | | *For Class 54 Rating, Add* | *197.54* | |
| | | *For Class 55 Rating, Add* | *297.21* | |
| | | *For Class 56 Rating, Add* | *395.60* | |
| 40 05 19 00-0087 | EA | 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,953.88 | 382.72 |
| | | *For Class 52 Rating, Deduct* | *-151.14* | |
| | | *For Class 54 Rating, Add* | *213.06* | |
| | | *For Class 55 Rating, Add* | *320.32* | |
| | | *For Class 56 Rating, Add* | *426.21* | |
| 40 05 19 00-0088 | EA | 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,062.97 | 386.75 |
| | | *For Class 52 Rating, Deduct* | *-162.47* | |
| | | *For Class 54 Rating, Add* | *228.58* | |
| | | *For Class 55 Rating, Add* | *343.43* | |
| | | *For Class 56 Rating, Add* | *456.81* | |
| 40 05 19 00-0089 | EA | 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,172.08 | 390.77 |
| | | *For Class 52 Rating, Deduct* | *-173.80* | |
| | | *For Class 54 Rating, Add* | *244.10* | |
| | | *For Class 55 Rating, Add* | *366.55* | |
| | | *For Class 56 Rating, Add* | *487.41* | |
| 40 05 19 00-0090 | EA | 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,281.18 | 394.81 |
| | | *For Class 52 Rating, Deduct* | *-185.13* | |
| | | *For Class 54 Rating, Add* | *259.63* | |
| | | *For Class 55 Rating, Add* | *389.66* | |
| | | *For Class 56 Rating, Add* | *518.01* | |
| 40 05 19 00-0091 | EA | 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,390.26 | 398.84 |
| | | *For Class 52 Rating, Deduct* | *-196.46* | |
| | | *For Class 54 Rating, Add* | *275.15* | |
| | | *For Class 55 Rating, Add* | *412.77* | |
| | | *For Class 56 Rating, Add* | *548.62* | |
| 40 05 19 00-0092 | EA | 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,499.36 | 402.87 |
| | | *For Class 52 Rating, Deduct* | *-207.79* | |
| | | *For Class 54 Rating, Add* | *290.67* | |
| | | *For Class 55 Rating, Add* | *435.89* | |
| | | *For Class 56 Rating, Add* | *579.22* | |
| 40 05 19 00-0093 | EA | 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,608.45 | 406.89 |
| | | *For Class 52 Rating, Deduct* | *-219.11* | |
| | | *For Class 54 Rating, Add* | *306.19* | |
| | | *For Class 55 Rating, Add* | *459.00* | |
| | | *For Class 56 Rating, Add* | *609.82* | |
| 40 05 19 00-0094 | EA | 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,717.55 | 410.92 |
| | | *For Class 52 Rating, Deduct* | *-230.44* | |
| | | *For Class 54 Rating, Add* | *321.71* | |
| | | *For Class 55 Rating, Add* | *482.11* | |
| | | *For Class 56 Rating, Add* | *640.42* | |
| 40 05 19 00-0095 | EA | 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,826.65 | 414.95 |
| | | *For Class 52 Rating, Deduct* | *-241.77* | |
| | | *For Class 54 Rating, Add* | *337.24* | |
| | | *For Class 55 Rating, Add* | *505.23* | |
| | | *For Class 56 Rating, Add* | *671.03* | |
| 40 05 19 00-0096 | EA | 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,935.74 | 418.98 |
| | | *For Class 52 Rating, Deduct* | *-253.10* | |
| | | *For Class 54 Rating, Add* | *352.76* | |
| | | *For Class 55 Rating, Add* | *528.34* | |
| | | *For Class 56 Rating, Add* | *701.63* | |
| 40 05 19 00-0097 | EA | 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,044.84 | 423.00 |
| | | *For Class 52 Rating, Deduct* | *-264.43* | |
| | | *For Class 54 Rating, Add* | *368.28* | |
| | | *For Class 55 Rating, Add* | *551.46* | |
| | | *For Class 56 Rating, Add* | *732.23* | |
| 40 05 19 00-0098 | EA | 8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,153.94 | 427.03 |
| | | *For Class 52 Rating, Deduct* | *-275.76* | |
| | | *For Class 54 Rating, Add* | *383.80* | |
| | | *For Class 55 Rating, Add* | *574.57* | |
| | | *For Class 56 Rating, Add* | *762.83* | |
| 40 05 19 00-0099 | EA | 8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,263.02 | 431.07 |
| | | *For Class 52 Rating, Deduct* | *-287.09* | |
| | | *For Class 54 Rating, Add* | *399.32* | |
| | | *For Class 55 Rating, Add* | *597.68* | |
| | | *For Class 56 Rating, Add* | *793.43* | |
| 40 05 19 00-0100 | EA | 8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,372.12 | 435.10 |
| | | *For Class 52 Rating, Deduct* | *-298.42* | |
| | | *For Class 54 Rating, Add* | *414.84* | |
| | | *For Class 55 Rating, Add* | *620.80* | |
| | | *For Class 56 Rating, Add* | *824.03* | |
| 40 05 19 00-0101 | EA | 8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,481.23 | 439.12 |
| | | *For Class 52 Rating, Deduct* | *-309.75* | |
| | | *For Class 54 Rating, Add* | *430.37* | |
| | | *For Class 55 Rating, Add* | *643.91* | |
| | | *For Class 56 Rating, Add* | *854.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0102 | EA | 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,590.32 | 443.15 |
| | | *For Class 52 Rating, Deduct* | *-321.08* | |
| | | *For Class 54 Rating, Add* | *445.89* | |
| | | *For Class 55 Rating, Add* | *667.02* | |
| | | *For Class 56 Rating, Add* | *885.24* | |
| 40 05 19 00-0103 | EA | 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,699.41 | 447.18 |
| | | *For Class 52 Rating, Deduct* | *-332.41* | |
| | | *For Class 54 Rating, Add* | *461.41* | |
| | | *For Class 55 Rating, Add* | *690.14* | |
| | | *For Class 56 Rating, Add* | *915.84* | |
| 40 05 19 00-0104 | EA | 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,808.51 | 451.21 |
| | | *For Class 52 Rating, Deduct* | *-343.73* | |
| | | *For Class 54 Rating, Add* | *476.93* | |
| | | *For Class 55 Rating, Add* | *713.25* | |
| | | *For Class 56 Rating, Add* | *946.45* | |
| 40 05 19 00-0105 | EA | 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,917.60 | 455.23 |
| | | *For Class 52 Rating, Deduct* | *-355.06* | |
| | | *For Class 54 Rating, Add* | *492.45* | |
| | | *For Class 55 Rating, Add* | *736.36* | |
| | | *For Class 56 Rating, Add* | *977.05* | |
| 40 05 19 00-0106 | EA | 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,026.70 | 459.26 |
| | | *For Class 52 Rating, Deduct* | *-366.39* | |
| | | *For Class 54 Rating, Add* | *507.98* | |
| | | *For Class 55 Rating, Add* | *759.48* | |
| | | *For Class 56 Rating, Add* | *1,007.65* | |
| 40 05 19 00-0107 | EA | 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,135.80 | 463.29 |
| | | *For Class 52 Rating, Deduct* | *-377.72* | |
| | | *For Class 54 Rating, Add* | *523.50* | |
| | | *For Class 55 Rating, Add* | *782.59* | |
| | | *For Class 56 Rating, Add* | *1,038.25* | |
| 40 05 19 00-0108 | EA | 8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,244.89 | 467.32 |
| | | *For Class 52 Rating, Deduct* | *-389.05* | |
| | | *For Class 54 Rating, Add* | *539.02* | |
| | | *For Class 55 Rating, Add* | *805.71* | |
| | | *For Class 56 Rating, Add* | *1,068.86* | |
| 40 05 19 00-0109 | EA | 8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,353.99 | 471.35 |
| | | *For Class 52 Rating, Deduct* | *-400.38* | |
| | | *For Class 54 Rating, Add* | *554.54* | |
| | | *For Class 55 Rating, Add* | *828.82* | |
| | | *For Class 56 Rating, Add* | *1,099.46* | |
| 40 05 19 00-0110 | EA | 8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,463.08 | 475.38 |
| | | *For Class 52 Rating, Deduct* | *-411.71* | |
| | | *For Class 54 Rating, Add* | *570.06* | |
| | | *For Class 55 Rating, Add* | *851.93* | |
| | | *For Class 56 Rating, Add* | *1,130.06* | |
| 40 05 19 00-0111 | EA | 8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,572.17 | 479.41 |
| | | *For Class 52 Rating, Deduct* | *-423.04* | |
| | | *For Class 54 Rating, Add* | *585.59* | |
| | | *For Class 55 Rating, Add* | *875.05* | |
| | | *For Class 56 Rating, Add* | *1,160.66* | |
| 40 05 19 00-0112 | EA | 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,681.27 | 483.44 |
| | | *For Class 52 Rating, Deduct* | *-434.37* | |
| | | *For Class 54 Rating, Add* | *601.11* | |
| | | *For Class 55 Rating, Add* | *898.16* | |
| | | *For Class 56 Rating, Add* | *1,191.26* | |
| 40 05 19 00-0113 | EA | 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,790.37 | 487.46 |
| | | *For Class 52 Rating, Deduct* | *-445.70* | |
| | | *For Class 54 Rating, Add* | *616.63* | |
| | | *For Class 55 Rating, Add* | *921.28* | |
| | | *For Class 56 Rating, Add* | *1,221.87* | |
| 40 05 19 00-0114 | EA | 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,899.47 | 491.49 |
| | | *For Class 52 Rating, Deduct* | *-457.03* | |
| | | *For Class 54 Rating, Add* | *632.15* | |
| | | *For Class 55 Rating, Add* | *944.39* | |
| | | *For Class 56 Rating, Add* | *1,252.47* | |
| 40 05 19 00-0115 | EA | 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,008.56 | 495.52 |
| | | *For Class 52 Rating, Deduct* | *-468.35* | |
| | | *For Class 54 Rating, Add* | *647.67* | |
| | | *For Class 55 Rating, Add* | *967.50* | |
| | | *For Class 56 Rating, Add* | *1,283.07* | |
| 40 05 19 00-0116 | EA | 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,117.65 | 499.55 |
| | | *For Class 52 Rating, Deduct* | *-479.68* | |
| | | *For Class 54 Rating, Add* | *663.20* | |
| | | *For Class 55 Rating, Add* | *990.61* | |
| | | *For Class 56 Rating, Add* | *1,313.67* | |
| 40 05 19 00-0117 | EA | 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,226.75 | 503.57 |
| | | *For Class 52 Rating, Deduct* | *-491.01* | |
| | | *For Class 54 Rating, Add* | *678.72* | |
| | | *For Class 55 Rating, Add* | *1,013.73* | |
| | | *For Class 56 Rating, Add* | *1,344.27* | |
| 40 05 19 00-0118 | EA | 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,335.85 | 507.61 |
| | | *For Class 52 Rating, Deduct* | *-502.34* | |
| | | *For Class 54 Rating, Add* | *694.24* | |
| | | *For Class 55 Rating, Add* | *1,036.84* | |
| | | *For Class 56 Rating, Add* | *1,374.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0119 | EA | 8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,444.94 | 511.64 |
| | | *For Class 52 Rating, Deduct* | *-513.67* | |
| | | *For Class 54 Rating, Add* | *709.76* | |
| | | *For Class 55 Rating, Add* | *1,059.96* | |
| | | *For Class 56 Rating, Add* | *1,405.48* | |
| 40 05 19 00-0120 | EA | 8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,554.04 | 515.67 |
| | | *For Class 52 Rating, Deduct* | *-525.00* | |
| | | *For Class 54 Rating, Add* | *725.29* | |
| | | *For Class 55 Rating, Add* | *1,083.07* | |
| | | *For Class 56 Rating, Add* | *1,436.08* | |
| 40 05 19 00-0121 | EA | 8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,663.14 | 519.69 |
| | | *For Class 52 Rating, Deduct* | *-536.33* | |
| | | *For Class 54 Rating, Add* | *740.81* | |
| | | *For Class 55 Rating, Add* | *1,106.18* | |
| | | *For Class 56 Rating, Add* | *1,466.68* | |
| 40 05 19 00-0122 | EA | 8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,772.23 | 523.72 |
| | | *For Class 52 Rating, Deduct* | *-547.66* | |
| | | *For Class 54 Rating, Add* | *756.33* | |
| | | *For Class 55 Rating, Add* | *1,129.30* | |
| | | *For Class 56 Rating, Add* | *1,497.29* | |

## 40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0124 | EA | 10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,050.63 | 451.21 |
| | | *For Class 52 Rating, Deduct* | *-150.37* | |
| | | *For Class 54 Rating, Add* | *213.25* | |
| | | *For Class 55 Rating, Add* | *321.24* | |
| | | *For Class 56 Rating, Add* | *427.87* | |
| 40 05 19 00-0125 | EA | 10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,192.49 | 455.23 |
| | | *For Class 52 Rating, Deduct* | *-165.30* | |
| | | *For Class 54 Rating, Add* | *233.69* | |
| | | *For Class 55 Rating, Add* | *351.67* | |
| | | *For Class 56 Rating, Add* | *468.14* | |
| 40 05 19 00-0126 | EA | 10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,334.36 | 459.26 |
| | | *For Class 52 Rating, Deduct* | *-180.24* | |
| | | *For Class 54 Rating, Add* | *254.13* | |
| | | *For Class 55 Rating, Add* | *382.09* | |
| | | *For Class 56 Rating, Add* | *508.41* | |
| 40 05 19 00-0127 | EA | 10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,476.23 | 463.29 |
| | | *For Class 52 Rating, Deduct* | *-195.17* | |
| | | *For Class 54 Rating, Add* | *274.56* | |
| | | *For Class 55 Rating, Add* | *412.51* | |
| | | *For Class 56 Rating, Add* | *548.68* | |
| 40 05 19 00-0128 | EA | 10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,618.09 | 467.32 |
| | | *For Class 52 Rating, Deduct* | *-210.10* | |
| | | *For Class 54 Rating, Add* | *295.00* | |
| | | *For Class 55 Rating, Add* | *442.93* | |
| | | *For Class 56 Rating, Add* | *588.95* | |
| 40 05 19 00-0129 | EA | 10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,759.96 | 471.35 |
| | | *For Class 52 Rating, Deduct* | *-225.04* | |
| | | *For Class 54 Rating, Add* | *315.44* | |
| | | *For Class 55 Rating, Add* | *473.35* | |
| | | *For Class 56 Rating, Add* | *629.22* | |
| 40 05 19 00-0130 | EA | 10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,901.82 | 475.38 |
| | | *For Class 52 Rating, Deduct* | *-239.97* | |
| | | *For Class 54 Rating, Add* | *335.88* | |
| | | *For Class 55 Rating, Add* | *503.77* | |
| | | *For Class 56 Rating, Add* | *669.49* | |
| 40 05 19 00-0131 | EA | 10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,043.68 | 479.41 |
| | | *For Class 52 Rating, Deduct* | *-254.90* | |
| | | *For Class 54 Rating, Add* | *356.31* | |
| | | *For Class 55 Rating, Add* | *534.19* | |
| | | *For Class 56 Rating, Add* | *709.76* | |
| 40 05 19 00-0132 | EA | 10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,185.55 | 483.44 |
| | | *For Class 52 Rating, Deduct* | *-269.84* | |
| | | *For Class 54 Rating, Add* | *376.75* | |
| | | *For Class 55 Rating, Add* | *564.61* | |
| | | *For Class 56 Rating, Add* | *750.02* | |
| 40 05 19 00-0133 | EA | 10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,327.42 | 487.46 |
| | | *For Class 52 Rating, Deduct* | *-284.77* | |
| | | *For Class 54 Rating, Add* | *397.19* | |
| | | *For Class 55 Rating, Add* | *595.04* | |
| | | *For Class 56 Rating, Add* | *790.30* | |
| 40 05 19 00-0134 | EA | 10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,469.29 | 491.49 |
| | | *For Class 52 Rating, Deduct* | *-299.71* | |
| | | *For Class 54 Rating, Add* | *417.63* | |
| | | *For Class 55 Rating, Add* | *625.46* | |
| | | *For Class 56 Rating, Add* | *830.57* | |
| 40 05 19 00-0135 | EA | 10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,611.15 | 495.52 |
| | | *For Class 52 Rating, Deduct* | *-314.64* | |
| | | *For Class 54 Rating, Add* | *438.06* | |
| | | *For Class 55 Rating, Add* | *655.88* | |
| | | *For Class 56 Rating, Add* | *870.83* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0136 | EA | 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,753.01 | 499.55 |
| | | *For Class 52 Rating, Deduct* | *-329.57* | |
| | | *For Class 54 Rating, Add* | *458.50* | |
| | | *For Class 55 Rating, Add* | *686.30* | |
| | | *For Class 56 Rating, Add* | *911.10* | |
| 40 05 19 00-0137 | EA | 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,894.88 | 503.57 |
| | | *For Class 52 Rating, Deduct* | *-344.51* | |
| | | *For Class 54 Rating, Add* | *478.94* | |
| | | *For Class 55 Rating, Add* | *716.72* | |
| | | *For Class 56 Rating, Add* | *951.37* | |
| 40 05 19 00-0138 | EA | 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,036.76 | 507.61 |
| | | *For Class 52 Rating, Deduct* | *-359.44* | |
| | | *For Class 54 Rating, Add* | *499.38* | |
| | | *For Class 55 Rating, Add* | *747.14* | |
| | | *For Class 56 Rating, Add* | *991.64* | |
| 40 05 19 00-0139 | EA | 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,178.61 | 511.64 |
| | | *For Class 52 Rating, Deduct* | *-374.38* | |
| | | *For Class 54 Rating, Add* | *519.81* | |
| | | *For Class 55 Rating, Add* | *777.57* | |
| | | *For Class 56 Rating, Add* | *1,031.91* | |
| 40 05 19 00-0140 | EA | 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,320.48 | 515.67 |
| | | *For Class 52 Rating, Deduct* | *-389.31* | |
| | | *For Class 54 Rating, Add* | *540.25* | |
| | | *For Class 55 Rating, Add* | *807.99* | |
| | | *For Class 56 Rating, Add* | *1,072.18* | |
| 40 05 19 00-0141 | EA | 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,462.35 | 519.69 |
| | | *For Class 52 Rating, Deduct* | *-404.24* | |
| | | *For Class 54 Rating, Add* | *560.69* | |
| | | *For Class 55 Rating, Add* | *838.41* | |
| | | *For Class 56 Rating, Add* | *1,112.45* | |
| 40 05 19 00-0142 | EA | 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,604.21 | 523.72 |
| | | *For Class 52 Rating, Deduct* | *-419.18* | |
| | | *For Class 54 Rating, Add* | *581.13* | |
| | | *For Class 55 Rating, Add* | *868.83* | |
| | | *For Class 56 Rating, Add* | *1,152.72* | |
| 40 05 19 00-0143 | EA | 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,746.07 | 527.75 |
| | | *For Class 52 Rating, Deduct* | *-434.11* | |
| | | *For Class 54 Rating, Add* | *601.56* | |
| | | *For Class 55 Rating, Add* | *899.25* | |
| | | *For Class 56 Rating, Add* | *1,192.99* | |
| 40 05 19 00-0144 | EA | 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,887.95 | 531.78 |
| | | *For Class 52 Rating, Deduct* | *-449.04* | |
| | | *For Class 54 Rating, Add* | *622.00* | |
| | | *For Class 55 Rating, Add* | *929.67* | |
| | | *For Class 56 Rating, Add* | *1,233.26* | |
| 40 05 19 00-0145 | EA | 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,029.81 | 535.80 |
| | | *For Class 52 Rating, Deduct* | *-463.98* | |
| | | *For Class 54 Rating, Add* | *642.44* | |
| | | *For Class 55 Rating, Add* | *960.09* | |
| | | *For Class 56 Rating, Add* | *1,273.53* | |
| 40 05 19 00-0146 | EA | 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,171.68 | 539.83 |
| | | *For Class 52 Rating, Deduct* | *-478.91* | |
| | | *For Class 54 Rating, Add* | *662.88* | |
| | | *For Class 55 Rating, Add* | *990.51* | |
| | | *For Class 56 Rating, Add* | *1,313.80* | |
| 40 05 19 00-0147 | EA | 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,313.54 | 543.87 |
| | | *For Class 52 Rating, Deduct* | *-493.85* | |
| | | *For Class 54 Rating, Add* | *683.31* | |
| | | *For Class 55 Rating, Add* | *1,020.94* | |
| | | *For Class 56 Rating, Add* | *1,354.07* | |
| 40 05 19 00-0148 | EA | 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,455.40 | 547.90 |
| | | *For Class 52 Rating, Deduct* | *-508.78* | |
| | | *For Class 54 Rating, Add* | *703.75* | |
| | | *For Class 55 Rating, Add* | *1,051.36* | |
| | | *For Class 56 Rating, Add* | *1,394.34* | |
| 40 05 19 00-0149 | EA | 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,597.27 | 551.92 |
| | | *For Class 52 Rating, Deduct* | *-523.71* | |
| | | *For Class 54 Rating, Add* | *724.19* | |
| | | *For Class 55 Rating, Add* | *1,081.78* | |
| | | *For Class 56 Rating, Add* | *1,434.61* | |
| 40 05 19 00-0150 | EA | 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,739.14 | 555.95 |
| | | *For Class 52 Rating, Deduct* | *-538.65* | |
| | | *For Class 54 Rating, Add* | *744.63* | |
| | | *For Class 55 Rating, Add* | *1,112.20* | |
| | | *For Class 56 Rating, Add* | *1,474.88* | |
| 40 05 19 00-0151 | EA | 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,881.00 | 559.98 |
| | | *For Class 52 Rating, Deduct* | *-553.58* | |
| | | *For Class 54 Rating, Add* | *765.06* | |
| | | *For Class 55 Rating, Add* | *1,142.62* | |
| | | *For Class 56 Rating, Add* | *1,515.15* | |
| 40 05 19 00-0152 | EA | 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,022.87 | 564.01 |
| | | *For Class 52 Rating, Deduct* | *-568.51* | |
| | | *For Class 54 Rating, Add* | *785.50* | |
| | | *For Class 55 Rating, Add* | *1,173.04* | |
| | | *For Class 56 Rating, Add* | *1,555.42* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0153 | EA | 10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,164.73 | 568.03 |
| | | *For Class 52 Rating, Deduct* | *-583.45* | |
| | | *For Class 54 Rating, Add* | *805.94* | |
| | | *For Class 55 Rating, Add* | *1,203.46* | |
| | | *For Class 56 Rating, Add* | *1,595.68* | |
| 40 05 19 00-0154 | EA | 10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,306.60 | 572.06 |
| | | *For Class 52 Rating, Deduct* | *-598.38* | |
| | | *For Class 54 Rating, Add* | *826.38* | |
| | | *For Class 55 Rating, Add* | *1,233.88* | |
| | | *For Class 56 Rating, Add* | *1,635.95* | |
| 40 05 19 00-0155 | EA | 10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,446.12 | 576.09 |
| | | *For Class 52 Rating, Deduct* | *-613.06* | |
| | | *For Class 54 Rating, Add* | *846.46* | |
| | | *For Class 55 Rating, Add* | *1,263.78* | |
| | | *For Class 56 Rating, Add* | *1,675.53* | |
| 40 05 19 00-0156 | EA | 10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,590.33 | 580.13 |
| | | *For Class 52 Rating, Deduct* | *-628.25* | |
| | | *For Class 54 Rating, Add* | *867.25* | |
| | | *For Class 55 Rating, Add* | *1,294.73* | |
| | | *For Class 56 Rating, Add* | *1,716.49* | |
| 40 05 19 00-0157 | EA | 10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,732.20 | 584.16 |
| | | *For Class 52 Rating, Deduct* | *-643.18* | |
| | | *For Class 54 Rating, Add* | *887.69* | |
| | | *For Class 55 Rating, Add* | *1,325.15* | |
| | | *For Class 56 Rating, Add* | *1,756.76* | |
| 40 05 19 00-0158 | EA | 10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,874.07 | 588.18 |
| | | *For Class 52 Rating, Deduct* | *-658.12* | |
| | | *For Class 54 Rating, Add* | *908.13* | |
| | | *For Class 55 Rating, Add* | *1,355.57* | |
| | | *For Class 56 Rating, Add* | *1,797.03* | |
| 40 05 19 00-0159 | EA | 10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,015.92 | 592.21 |
| | | *For Class 52 Rating, Deduct* | *-673.05* | |
| | | *For Class 54 Rating, Add* | *928.56* | |
| | | *For Class 55 Rating, Add* | *1,385.99* | |
| | | *For Class 56 Rating, Add* | *1,837.30* | |
| 40 05 19 00-0160 | EA | 10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,157.79 | 596.24 |
| | | *For Class 52 Rating, Deduct* | *-687.98* | |
| | | *For Class 54 Rating, Add* | *949.00* | |
| | | *For Class 55 Rating, Add* | *1,416.41* | |
| | | *For Class 56 Rating, Add* | *1,877.57* | |
| 40 05 19 00-0161 | EA | 10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,299.67 | 600.27 |
| | | *For Class 52 Rating, Deduct* | *-702.92* | |
| | | *For Class 54 Rating, Add* | *969.44* | |
| | | *For Class 55 Rating, Add* | *1,446.84* | |
| | | *For Class 56 Rating, Add* | *1,917.84* | |
| 40 05 19 00-0162 | EA | 10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,441.53 | 604.29 |
| | | *For Class 52 Rating, Deduct* | *-717.85* | |
| | | *For Class 54 Rating, Add* | *989.88* | |
| | | *For Class 55 Rating, Add* | *1,477.26* | |
| | | *For Class 56 Rating, Add* | *1,958.11* | |

## 40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0164 | EA | 12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,685.00 | 564.01 |
| | | *For Class 52 Rating, Deduct* | *-201.35* | |
| | | *For Class 54 Rating, Add* | *284.82* | |
| | | *For Class 55 Rating, Add* | *428.70* | |
| | | *For Class 56 Rating, Add* | *570.74* | |
| 40 05 19 00-0165 | EA | 12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,861.98 | 568.03 |
| | | *For Class 52 Rating, Deduct* | *-220.15* | |
| | | *For Class 54 Rating, Add* | *310.53* | |
| | | *For Class 55 Rating, Add* | *466.95* | |
| | | *For Class 56 Rating, Add* | *621.37* | |
| 40 05 19 00-0166 | EA | 12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,038.96 | 572.06 |
| | | *For Class 52 Rating, Deduct* | *-238.94* | |
| | | *For Class 54 Rating, Add* | *336.23* | |
| | | *For Class 55 Rating, Add* | *505.20* | |
| | | *For Class 56 Rating, Add* | *672.00* | |
| 40 05 19 00-0167 | EA | 12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,215.93 | 576.09 |
| | | *For Class 52 Rating, Deduct* | *-257.74* | |
| | | *For Class 54 Rating, Add* | *361.93* | |
| | | *For Class 55 Rating, Add* | *543.45* | |
| | | *For Class 56 Rating, Add* | *722.63* | |
| 40 05 19 00-0168 | EA | 12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,392.90 | 580.13 |
| | | *For Class 52 Rating, Deduct* | *-276.53* | |
| | | *For Class 54 Rating, Add* | *387.64* | |
| | | *For Class 55 Rating, Add* | *581.70* | |
| | | *For Class 56 Rating, Add* | *773.25* | |
| 40 05 19 00-0169 | EA | 12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,569.89 | 584.16 |
| | | *For Class 52 Rating, Deduct* | *-295.33* | |
| | | *For Class 54 Rating, Add* | *413.34* | |
| | | *For Class 55 Rating, Add* | *619.95* | |
| | | *For Class 56 Rating, Add* | *823.88* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0170 | EA | 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,746.87 | 588.18 |
| | | *For Class 52 Rating, Deduct* | *-314.12* | |
| | | *For Class 54 Rating, Add* | *439.05* | |
| | | *For Class 55 Rating, Add* | *658.21* | |
| | | *For Class 56 Rating, Add* | *874.51* | |
| 40 05 19 00-0171 | EA | 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,923.83 | 592.21 |
| | | *For Class 52 Rating, Deduct* | *-332.92* | |
| | | *For Class 54 Rating, Add* | *464.75* | |
| | | *For Class 55 Rating, Add* | *696.46* | |
| | | *For Class 56 Rating, Add* | *925.13* | |
| 40 05 19 00-0172 | EA | 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,100.81 | 596.24 |
| | | *For Class 52 Rating, Deduct* | *-351.72* | |
| | | *For Class 54 Rating, Add* | *490.45* | |
| | | *For Class 55 Rating, Add* | *734.71* | |
| | | *For Class 56 Rating, Add* | *975.76* | |
| 40 05 19 00-0173 | EA | 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,277.80 | 600.27 |
| | | *For Class 52 Rating, Deduct* | *-370.51* | |
| | | *For Class 54 Rating, Add* | *516.16* | |
| | | *For Class 55 Rating, Add* | *772.96* | |
| | | *For Class 56 Rating, Add* | *1,026.39* | |
| 40 05 19 00-0174 | EA | 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,454.77 | 604.29 |
| | | *For Class 52 Rating, Deduct* | *-389.31* | |
| | | *For Class 54 Rating, Add* | *541.86* | |
| | | *For Class 55 Rating, Add* | *811.21* | |
| | | *For Class 56 Rating, Add* | *1,077.02* | |
| 40 05 19 00-0175 | EA | 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,631.74 | 608.32 |
| | | *For Class 52 Rating, Deduct* | *-408.10* | |
| | | *For Class 54 Rating, Add* | *567.57* | |
| | | *For Class 55 Rating, Add* | *849.46* | |
| | | *For Class 56 Rating, Add* | *1,127.64* | |
| 40 05 19 00-0176 | EA | 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,808.72 | 612.35 |
| | | *For Class 52 Rating, Deduct* | *-426.90* | |
| | | *For Class 54 Rating, Add* | *593.27* | |
| | | *For Class 55 Rating, Add* | *887.71* | |
| | | *For Class 56 Rating, Add* | *1,178.27* | |
| 40 05 19 00-0177 | EA | 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,985.70 | 616.38 |
| | | *For Class 52 Rating, Deduct* | *-445.70* | |
| | | *For Class 54 Rating, Add* | *618.98* | |
| | | *For Class 55 Rating, Add* | *925.96* | |
| | | *For Class 56 Rating, Add* | *1,228.90* | |
| 40 05 19 00-0178 | EA | 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,162.68 | 620.41 |
| | | *For Class 52 Rating, Deduct* | *-464.49* | |
| | | *For Class 54 Rating, Add* | *644.68* | |
| | | *For Class 55 Rating, Add* | *964.21* | |
| | | *For Class 56 Rating, Add* | *1,279.53* | |
| 40 05 19 00-0179 | EA | 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,339.64 | 624.44 |
| | | *For Class 52 Rating, Deduct* | *-483.29* | |
| | | *For Class 54 Rating, Add* | *670.38* | |
| | | *For Class 55 Rating, Add* | *1,002.46* | |
| | | *For Class 56 Rating, Add* | *1,330.15* | |
| 40 05 19 00-0180 | EA | 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,516.62 | 628.47 |
| | | *For Class 52 Rating, Deduct* | *-502.08* | |
| | | *For Class 54 Rating, Add* | *696.09* | |
| | | *For Class 55 Rating, Add* | *1,040.71* | |
| | | *For Class 56 Rating, Add* | *1,380.78* | |
| 40 05 19 00-0181 | EA | 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,693.61 | 632.50 |
| | | *For Class 52 Rating, Deduct* | *-520.88* | |
| | | *For Class 54 Rating, Add* | *721.79* | |
| | | *For Class 55 Rating, Add* | *1,078.97* | |
| | | *For Class 56 Rating, Add* | *1,431.41* | |
| 40 05 19 00-0182 | EA | 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,870.58 | 636.52 |
| | | *For Class 52 Rating, Deduct* | *-539.68* | |
| | | *For Class 54 Rating, Add* | *747.50* | |
| | | *For Class 55 Rating, Add* | *1,117.22* | |
| | | *For Class 56 Rating, Add* | *1,482.03* | |
| 40 05 19 00-0183 | EA | 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,047.55 | 640.55 |
| | | *For Class 52 Rating, Deduct* | *-558.47* | |
| | | *For Class 54 Rating, Add* | *773.20* | |
| | | *For Class 55 Rating, Add* | *1,155.47* | |
| | | *For Class 56 Rating, Add* | *1,532.66* | |
| 40 05 19 00-0184 | EA | 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,224.53 | 644.58 |
| | | *For Class 52 Rating, Deduct* | *-577.27* | |
| | | *For Class 54 Rating, Add* | *798.90* | |
| | | *For Class 55 Rating, Add* | *1,193.72* | |
| | | *For Class 56 Rating, Add* | *1,583.29* | |
| 40 05 19 00-0185 | EA | 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,401.51 | 648.61 |
| | | *For Class 52 Rating, Deduct* | *-596.06* | |
| | | *For Class 54 Rating, Add* | *824.61* | |
| | | *For Class 55 Rating, Add* | *1,231.97* | |
| | | *For Class 56 Rating, Add* | *1,633.92* | |
| 40 05 19 00-0186 | EA | 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,578.49 | 652.63 |
| | | *For Class 52 Rating, Deduct* | *-614.86* | |
| | | *For Class 54 Rating, Add* | *850.31* | |
| | | *For Class 55 Rating, Add* | *1,270.22* | |
| | | *For Class 56 Rating, Add* | *1,684.54* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0187 | EA | 12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,755.46 | 656.67 |
| | | *For Class 52 Rating, Deduct* | *-633.66* | |
| | | *For Class 54 Rating, Add* | *876.02* | |
| | | *For Class 55 Rating, Add* | *1,308.47* | |
| | | *For Class 56 Rating, Add* | *1,735.17* | |
| 40 05 19 00-0188 | EA | 12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,932.43 | 660.70 |
| | | *For Class 52 Rating, Deduct* | *-652.45* | |
| | | *For Class 54 Rating, Add* | *901.72* | |
| | | *For Class 55 Rating, Add* | *1,346.72* | |
| | | *For Class 56 Rating, Add* | *1,785.79* | |
| 40 05 19 00-0189 | EA | 12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,109.42 | 664.73 |
| | | *For Class 52 Rating, Deduct* | *-671.25* | |
| | | *For Class 54 Rating, Add* | *927.42* | |
| | | *For Class 55 Rating, Add* | *1,384.98* | |
| | | *For Class 56 Rating, Add* | *1,836.42* | |
| 40 05 19 00-0190 | EA | 12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,286.40 | 668.75 |
| | | *For Class 52 Rating, Deduct* | *-690.04* | |
| | | *For Class 54 Rating, Add* | *953.13* | |
| | | *For Class 55 Rating, Add* | *1,423.23* | |
| | | *For Class 56 Rating, Add* | *1,887.05* | |
| 40 05 19 00-0191 | EA | 12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,463.36 | 672.78 |
| | | *For Class 52 Rating, Deduct* | *-708.84* | |
| | | *For Class 54 Rating, Add* | *978.83* | |
| | | *For Class 55 Rating, Add* | *1,461.48* | |
| | | *For Class 56 Rating, Add* | *1,937.68* | |
| 40 05 19 00-0192 | EA | 12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,640.34 | 676.81 |
| | | *For Class 52 Rating, Deduct* | *-727.64* | |
| | | *For Class 54 Rating, Add* | *1,004.54* | |
| | | *For Class 55 Rating, Add* | *1,499.73* | |
| | | *For Class 56 Rating, Add* | *1,988.30* | |
| 40 05 19 00-0193 | EA | 12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,817.33 | 680.84 |
| | | *For Class 52 Rating, Deduct* | *-746.43* | |
| | | *For Class 54 Rating, Add* | *1,030.24* | |
| | | *For Class 55 Rating, Add* | *1,537.98* | |
| | | *For Class 56 Rating, Add* | *2,038.93* | |
| 40 05 19 00-0194 | EA | 12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,994.30 | 684.86 |
| | | *For Class 52 Rating, Deduct* | *-765.23* | |
| | | *For Class 54 Rating, Add* | *1,055.95* | |
| | | *For Class 55 Rating, Add* | *1,576.23* | |
| | | *For Class 56 Rating, Add* | *2,089.56* | |
| 40 05 19 00-0195 | EA | 12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,171.27 | 688.89 |
| | | *For Class 52 Rating, Deduct* | *-784.02* | |
| | | *For Class 54 Rating, Add* | *1,081.65* | |
| | | *For Class 55 Rating, Add* | *1,614.48* | |
| | | *For Class 56 Rating, Add* | *2,140.19* | |
| 40 05 19 00-0196 | EA | 12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,348.24 | 692.93 |
| | | *For Class 52 Rating, Deduct* | *-802.82* | |
| | | *For Class 54 Rating, Add* | *1,107.35* | |
| | | *For Class 55 Rating, Add* | *1,652.73* | |
| | | *For Class 56 Rating, Add* | *2,190.81* | |
| 40 05 19 00-0197 | EA | 12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,525.23 | 696.96 |
| | | *For Class 52 Rating, Deduct* | *-821.62* | |
| | | *For Class 54 Rating, Add* | *1,133.06* | |
| | | *For Class 55 Rating, Add* | *1,690.98* | |
| | | *For Class 56 Rating, Add* | *2,241.44* | |
| 40 05 19 00-0198 | EA | 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,702.21 | 700.98 |
| | | *For Class 52 Rating, Deduct* | *-840.41* | |
| | | *For Class 54 Rating, Add* | *1,158.76* | |
| | | *For Class 55 Rating, Add* | *1,729.23* | |
| | | *For Class 56 Rating, Add* | *2,292.07* | |
| 40 05 19 00-0199 | EA | 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,879.17 | 705.01 |
| | | *For Class 52 Rating, Deduct* | *-859.21* | |
| | | *For Class 54 Rating, Add* | *1,184.47* | |
| | | *For Class 55 Rating, Add* | *1,767.49* | |
| | | *For Class 56 Rating, Add* | *2,342.69* | |
| 40 05 19 00-0200 | EA | 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,056.16 | 709.04 |
| | | *For Class 52 Rating, Deduct* | *-878.00* | |
| | | *For Class 54 Rating, Add* | *1,210.17* | |
| | | *For Class 55 Rating, Add* | *1,805.74* | |
| | | *For Class 56 Rating, Add* | *2,393.32* | |
| 40 05 19 00-0201 | EA | 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,233.14 | 713.07 |
| | | *For Class 52 Rating, Deduct* | *-896.80* | |
| | | *For Class 54 Rating, Add* | *1,235.87* | |
| | | *For Class 55 Rating, Add* | *1,843.99* | |
| | | *For Class 56 Rating, Add* | *2,443.95* | |
| 40 05 19 00-0202 | EA | 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,410.11 | 717.09 |
| | | *For Class 52 Rating, Deduct* | *-915.60* | |
| | | *For Class 54 Rating, Add* | *1,261.58* | |
| | | *For Class 55 Rating, Add* | *1,882.24* | |
| | | *For Class 56 Rating, Add* | *2,494.58* | |

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0204 | EA | 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,588.56 | 676.81 |
| | | *For Class 52 Rating, Deduct* | *-281.94* | |
| | | *For Class 54 Rating, Add* | *396.77* | |
| | | *For Class 55 Rating, Add* | *596.18* | |
| | | *For Class 56 Rating, Add* | *793.03* | |
| 40 05 19 00-0205 | EA | 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,802.99 | 680.84 |
| | | *For Class 52 Rating, Deduct* | *-304.86* | |
| | | *For Class 54 Rating, Add* | *428.09* | |
| | | *For Class 55 Rating, Add* | *642.78* | |
| | | *For Class 56 Rating, Add* | *854.70* | |
| 40 05 19 00-0206 | EA | 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,017.42 | 684.86 |
| | | *For Class 52 Rating, Deduct* | *-327.77* | |
| | | *For Class 54 Rating, Add* | *459.41* | |
| | | *For Class 55 Rating, Add* | *689.39* | |
| | | *For Class 56 Rating, Add* | *916.38* | |
| 40 05 19 00-0207 | EA | 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,231.84 | 688.89 |
| | | *For Class 52 Rating, Deduct* | *-350.69* | |
| | | *For Class 54 Rating, Add* | *490.73* | |
| | | *For Class 55 Rating, Add* | *735.99* | |
| | | *For Class 56 Rating, Add* | *978.05* | |
| 40 05 19 00-0208 | EA | 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,446.26 | 692.93 |
| | | *For Class 52 Rating, Deduct* | *-373.60* | |
| | | *For Class 54 Rating, Add* | *522.06* | |
| | | *For Class 55 Rating, Add* | *782.59* | |
| | | *For Class 56 Rating, Add* | *1,039.73* | |
| 40 05 19 00-0209 | EA | 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,660.70 | 696.96 |
| | | *For Class 52 Rating, Deduct* | *-396.52* | |
| | | *For Class 54 Rating, Add* | *553.38* | |
| | | *For Class 55 Rating, Add* | *829.19* | |
| | | *For Class 56 Rating, Add* | *1,101.41* | |
| 40 05 19 00-0210 | EA | 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,875.13 | 700.98 |
| | | *For Class 52 Rating, Deduct* | *-419.43* | |
| | | *For Class 54 Rating, Add* | *584.70* | |
| | | *For Class 55 Rating, Add* | *875.80* | |
| | | *For Class 56 Rating, Add* | *1,163.08* | |
| 40 05 19 00-0211 | EA | 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,089.55 | 705.01 |
| | | *For Class 52 Rating, Deduct* | *-442.35* | |
| | | *For Class 54 Rating, Add* | *616.02* | |
| | | *For Class 55 Rating, Add* | *922.40* | |
| | | *For Class 56 Rating, Add* | *1,224.76* | |
| 40 05 19 00-0212 | EA | 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,303.98 | 709.04 |
| | | *For Class 52 Rating, Deduct* | *-465.26* | |
| | | *For Class 54 Rating, Add* | *647.34* | |
| | | *For Class 55 Rating, Add* | *969.00* | |
| | | *For Class 56 Rating, Add* | *1,286.43* | |
| 40 05 19 00-0213 | EA | 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,518.42 | 713.07 |
| | | *For Class 52 Rating, Deduct* | *-488.18* | |
| | | *For Class 54 Rating, Add* | *678.67* | |
| | | *For Class 55 Rating, Add* | *1,015.61* | |
| | | *For Class 56 Rating, Add* | *1,348.11* | |
| 40 05 19 00-0214 | EA | 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,732.84 | 717.09 |
| | | *For Class 52 Rating, Deduct* | *-511.10* | |
| | | *For Class 54 Rating, Add* | *709.99* | |
| | | *For Class 55 Rating, Add* | *1,062.21* | |
| | | *For Class 56 Rating, Add* | *1,409.78* | |
| 40 05 19 00-0215 | EA | 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,947.26 | 721.12 |
| | | *For Class 52 Rating, Deduct* | *-534.01* | |
| | | *For Class 54 Rating, Add* | *741.31* | |
| | | *For Class 55 Rating, Add* | *1,108.81* | |
| | | *For Class 56 Rating, Add* | *1,471.46* | |
| 40 05 19 00-0216 | EA | 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,161.70 | 725.15 |
| | | *For Class 52 Rating, Deduct* | *-556.93* | |
| | | *For Class 54 Rating, Add* | *772.63* | |
| | | *For Class 55 Rating, Add* | *1,155.41* | |
| | | *For Class 56 Rating, Add* | *1,533.13* | |
| 40 05 19 00-0217 | EA | 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,376.12 | 729.19 |
| | | *For Class 52 Rating, Deduct* | *-579.84* | |
| | | *For Class 54 Rating, Add* | *803.95* | |
| | | *For Class 55 Rating, Add* | *1,202.02* | |
| | | *For Class 56 Rating, Add* | *1,594.81* | |
| 40 05 19 00-0218 | EA | 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,590.56 | 733.21 |
| | | *For Class 52 Rating, Deduct* | *-602.76* | |
| | | *For Class 54 Rating, Add* | *835.28* | |
| | | *For Class 55 Rating, Add* | *1,248.62* | |
| | | *For Class 56 Rating, Add* | *1,656.48* | |
| 40 05 19 00-0219 | EA | 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,804.98 | 737.24 |
| | | *For Class 52 Rating, Deduct* | *-625.67* | |
| | | *For Class 54 Rating, Add* | *866.60* | |
| | | *For Class 55 Rating, Add* | *1,295.22* | |
| | | *For Class 56 Rating, Add* | *1,718.16* | |
| 40 05 19 00-0220 | EA | 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,019.40 | 741.27 |
| | | *For Class 52 Rating, Deduct* | *-648.59* | |
| | | *For Class 54 Rating, Add* | *897.92* | |
| | | *For Class 55 Rating, Add* | *1,341.82* | |
| | | *For Class 56 Rating, Add* | *1,779.83* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0221 | EA | 14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,233.84 | 745.30 |
| | | *For Class 52 Rating, Deduct* | *-671.51* | |
| | | *For Class 54 Rating, Add* | *929.24* | |
| | | *For Class 55 Rating, Add* | *1,388.43* | |
| | | *For Class 56 Rating, Add* | *1,841.51* | |
| 40 05 19 00-0222 | EA | 14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,448.27 | 749.32 |
| | | *For Class 52 Rating, Deduct* | *-694.42* | |
| | | *For Class 54 Rating, Add* | *960.56* | |
| | | *For Class 55 Rating, Add* | *1,435.03* | |
| | | *For Class 56 Rating, Add* | *1,903.18* | |
| 40 05 19 00-0223 | EA | 14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,662.69 | 753.35 |
| | | *For Class 52 Rating, Deduct* | *-717.34* | |
| | | *For Class 54 Rating, Add* | *991.88* | |
| | | *For Class 55 Rating, Add* | *1,481.63* | |
| | | *For Class 56 Rating, Add* | *1,964.86* | |
| 40 05 19 00-0224 | EA | 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,877.12 | 757.38 |
| | | *For Class 52 Rating, Deduct* | *-740.25* | |
| | | *For Class 54 Rating, Add* | *1,023.21* | |
| | | *For Class 55 Rating, Add* | *1,528.24* | |
| | | *For Class 56 Rating, Add* | *2,026.53* | |
| 40 05 19 00-0225 | EA | 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,091.54 | 761.41 |
| | | *For Class 52 Rating, Deduct* | *-763.17* | |
| | | *For Class 54 Rating, Add* | *1,054.53* | |
| | | *For Class 55 Rating, Add* | *1,574.84* | |
| | | *For Class 56 Rating, Add* | *2,088.21* | |
| 40 05 19 00-0226 | EA | 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,305.98 | 765.44 |
| | | *For Class 52 Rating, Deduct* | *-786.08* | |
| | | *For Class 54 Rating, Add* | *1,085.85* | |
| | | *For Class 55 Rating, Add* | *1,621.44* | |
| | | *For Class 56 Rating, Add* | *2,149.89* | |
| 40 05 19 00-0227 | EA | 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,520.40 | 769.47 |
| | | *For Class 52 Rating, Deduct* | *-809.00* | |
| | | *For Class 54 Rating, Add* | *1,117.17* | |
| | | *For Class 55 Rating, Add* | *1,668.04* | |
| | | *For Class 56 Rating, Add* | *2,211.56* | |
| 40 05 19 00-0228 | EA | 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,734.83 | 773.50 |
| | | *For Class 52 Rating, Deduct* | *-831.92* | |
| | | *For Class 54 Rating, Add* | *1,148.49* | |
| | | *For Class 55 Rating, Add* | *1,714.65* | |
| | | *For Class 56 Rating, Add* | *2,273.24* | |
| 40 05 19 00-0229 | EA | 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,949.26 | 777.53 |
| | | *For Class 52 Rating, Deduct* | *-854.83* | |
| | | *For Class 54 Rating, Add* | *1,179.82* | |
| | | *For Class 55 Rating, Add* | *1,761.25* | |
| | | *For Class 56 Rating, Add* | *2,334.91* | |
| 40 05 19 00-0230 | EA | 14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,163.69 | 781.56 |
| | | *For Class 52 Rating, Deduct* | *-877.75* | |
| | | *For Class 54 Rating, Add* | *1,211.14* | |
| | | *For Class 55 Rating, Add* | *1,807.85* | |
| | | *For Class 56 Rating, Add* | *2,396.59* | |
| 40 05 19 00-0231 | EA | 14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,378.11 | 785.58 |
| | | *For Class 52 Rating, Deduct* | *-900.66* | |
| | | *For Class 54 Rating, Add* | *1,242.46* | |
| | | *For Class 55 Rating, Add* | *1,854.45* | |
| | | *For Class 56 Rating, Add* | *2,458.26* | |
| 40 05 19 00-0232 | EA | 14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,592.54 | 789.61 |
| | | *For Class 52 Rating, Deduct* | *-923.58* | |
| | | *For Class 54 Rating, Add* | *1,273.78* | |
| | | *For Class 55 Rating, Add* | *1,901.06* | |
| | | *For Class 56 Rating, Add* | *2,519.94* | |
| 40 05 19 00-0233 | EA | 14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,806.98 | 793.64 |
| | | *For Class 52 Rating, Deduct* | *-946.49* | |
| | | *For Class 54 Rating, Add* | *1,305.10* | |
| | | *For Class 55 Rating, Add* | *1,947.66* | |
| | | *For Class 56 Rating, Add* | *2,581.61* | |
| 40 05 19 00-0234 | EA | 14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,021.40 | 797.67 |
| | | *For Class 52 Rating, Deduct* | *-969.41* | |
| | | *For Class 54 Rating, Add* | *1,336.42* | |
| | | *For Class 55 Rating, Add* | *1,994.26* | |
| | | *For Class 56 Rating, Add* | *2,643.29* | |
| 40 05 19 00-0235 | EA | 14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,235.82 | 801.69 |
| | | *For Class 52 Rating, Deduct* | *-992.32* | |
| | | *For Class 54 Rating, Add* | *1,367.75* | |
| | | *For Class 55 Rating, Add* | *2,040.86* | |
| | | *For Class 56 Rating, Add* | *2,704.96* | |
| 40 05 19 00-0236 | EA | 14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,450.26 | 805.73 |
| | | *For Class 52 Rating, Deduct* | *-1,015.24* | |
| | | *For Class 54 Rating, Add* | *1,399.07* | |
| | | *For Class 55 Rating, Add* | *2,087.47* | |
| | | *For Class 56 Rating, Add* | *2,766.64* | |
| 40 05 19 00-0237 | EA | 14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,664.68 | 809.76 |
| | | *For Class 52 Rating, Deduct* | *-1,038.16* | |
| | | *For Class 54 Rating, Add* | *1,430.39* | |
| | | *For Class 55 Rating, Add* | *2,134.07* | |
| | | *For Class 56 Rating, Add* | *2,828.31* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0238 | EA | 14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,879.12 | 813.79 |
| | | *For Class 52 Rating, Deduct* | *-1,061.07* | |
| | | *For Class 54 Rating, Add* | *1,461.71* | |
| | | *For Class 55 Rating, Add* | *2,180.67* | |
| | | *For Class 56 Rating, Add* | *2,889.99* | |
| 40 05 19 00-0239 | EA | 14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,093.54 | 817.81 |
| | | *For Class 52 Rating, Deduct* | *-1,083.99* | |
| | | *For Class 54 Rating, Add* | *1,493.03* | |
| | | *For Class 55 Rating, Add* | *2,227.28* | |
| | | *For Class 56 Rating, Add* | *2,951.66* | |
| 40 05 19 00-0240 | EA | 14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,307.97 | 821.84 |
| | | *For Class 52 Rating, Deduct* | *-1,106.90* | |
| | | *For Class 54 Rating, Add* | *1,524.36* | |
| | | *For Class 55 Rating, Add* | *2,273.88* | |
| | | *For Class 56 Rating, Add* | *3,013.34* | |
| 40 05 19 00-0241 | EA | 14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,522.40 | 825.87 |
| | | *For Class 52 Rating, Deduct* | *-1,129.82* | |
| | | *For Class 54 Rating, Add* | *1,555.68* | |
| | | *For Class 55 Rating, Add* | *2,320.48* | |
| | | *For Class 56 Rating, Add* | *3,075.02* | |

## 40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0243 | EA | 16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,210.21 | 773.50 |
| | | *For Class 52 Rating, Deduct* | *-334.21* | |
| | | *For Class 54 Rating, Add* | *469.80* | |
| | | *For Class 55 Rating, Add* | *705.66* | |
| | | *For Class 56 Rating, Add* | *938.47* | |
| 40 05 19 00-0244 | EA | 16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,459.76 | 777.53 |
| | | *For Class 52 Rating, Deduct* | *-360.99* | |
| | | *For Class 54 Rating, Add* | *506.39* | |
| | | *For Class 55 Rating, Add* | *760.09* | |
| | | *For Class 56 Rating, Add* | *1,010.51* | |
| 40 05 19 00-0245 | EA | 16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,709.30 | 781.56 |
| | | *For Class 52 Rating, Deduct* | *-387.76* | |
| | | *For Class 54 Rating, Add* | *542.98* | |
| | | *For Class 55 Rating, Add* | *814.52* | |
| | | *For Class 56 Rating, Add* | *1,082.54* | |
| 40 05 19 00-0246 | EA | 16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,958.83 | 785.58 |
| | | *For Class 52 Rating, Deduct* | *-414.54* | |
| | | *For Class 54 Rating, Add* | *579.57* | |
| | | *For Class 55 Rating, Add* | *868.96* | |
| | | *For Class 56 Rating, Add* | *1,154.57* | |
| 40 05 19 00-0247 | EA | 16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,208.37 | 789.61 |
| | | *For Class 52 Rating, Deduct* | *-441.32* | |
| | | *For Class 54 Rating, Add* | *616.16* | |
| | | *For Class 55 Rating, Add* | *923.39* | |
| | | *For Class 56 Rating, Add* | *1,226.61* | |
| 40 05 19 00-0248 | EA | 16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,457.92 | 793.64 |
| | | *For Class 52 Rating, Deduct* | *-468.10* | |
| | | *For Class 54 Rating, Add* | *652.74* | |
| | | *For Class 55 Rating, Add* | *977.82* | |
| | | *For Class 56 Rating, Add* | *1,298.64* | |
| 40 05 19 00-0249 | EA | 16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,707.45 | 797.67 |
| | | *For Class 52 Rating, Deduct* | *-494.87* | |
| | | *For Class 54 Rating, Add* | *689.33* | |
| | | *For Class 55 Rating, Add* | *1,032.25* | |
| | | *For Class 56 Rating, Add* | *1,370.67* | |
| 40 05 19 00-0250 | EA | 16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,956.99 | 801.69 |
| | | *For Class 52 Rating, Deduct* | *-521.65* | |
| | | *For Class 54 Rating, Add* | *725.92* | |
| | | *For Class 55 Rating, Add* | *1,086.69* | |
| | | *For Class 56 Rating, Add* | *1,442.71* | |
| 40 05 19 00-0251 | EA | 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,206.53 | 805.73 |
| | | *For Class 52 Rating, Deduct* | *-548.43* | |
| | | *For Class 54 Rating, Add* | *762.51* | |
| | | *For Class 55 Rating, Add* | *1,141.12* | |
| | | *For Class 56 Rating, Add* | *1,514.74* | |
| 40 05 19 00-0252 | EA | 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,456.07 | 809.76 |
| | | *For Class 52 Rating, Deduct* | *-575.21* | |
| | | *For Class 54 Rating, Add* | *799.10* | |
| | | *For Class 55 Rating, Add* | *1,195.55* | |
| | | *For Class 56 Rating, Add* | *1,586.77* | |
| 40 05 19 00-0253 | EA | 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,705.61 | 813.79 |
| | | *For Class 52 Rating, Deduct* | *-601.99* | |
| | | *For Class 54 Rating, Add* | *835.69* | |
| | | *For Class 55 Rating, Add* | *1,249.98* | |
| | | *For Class 56 Rating, Add* | *1,658.81* | |
| 40 05 19 00-0254 | EA | 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,955.15 | 817.81 |
| | | *For Class 52 Rating, Deduct* | *-628.76* | |
| | | *For Class 54 Rating, Add* | *872.28* | |
| | | *For Class 55 Rating, Add* | *1,304.42* | |
| | | *For Class 56 Rating, Add* | *1,730.84* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0255 | EA | 16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,204.68 | 821.84 |
| | | *For Class 52 Rating, Deduct* | *-655.54* | |
| | | *For Class 54 Rating, Add* | *908.86* | |
| | | *For Class 55 Rating, Add* | *1,358.85* | |
| | | *For Class 56 Rating, Add* | *1,802.87* | |
| 40 05 19 00-0256 | EA | 16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,454.23 | 825.87 |
| | | *For Class 52 Rating, Deduct* | *-682.32* | |
| | | *For Class 54 Rating, Add* | *945.45* | |
| | | *For Class 55 Rating, Add* | *1,413.28* | |
| | | *For Class 56 Rating, Add* | *1,874.91* | |
| 40 05 19 00-0257 | EA | 16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,703.77 | 829.90 |
| | | *For Class 52 Rating, Deduct* | *-709.10* | |
| | | *For Class 54 Rating, Add* | *982.04* | |
| | | *For Class 55 Rating, Add* | *1,467.71* | |
| | | *For Class 56 Rating, Add* | *1,946.94* | |
| 40 05 19 00-0258 | EA | 16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,953.30 | 833.92 |
| | | *For Class 52 Rating, Deduct* | *-735.88* | |
| | | *For Class 54 Rating, Add* | *1,018.63* | |
| | | *For Class 55 Rating, Add* | *1,522.15* | |
| | | *For Class 56 Rating, Add* | *2,018.97* | |
| 40 05 19 00-0259 | EA | 16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,202.84 | 837.95 |
| | | *For Class 52 Rating, Deduct* | *-762.65* | |
| | | *For Class 54 Rating, Add* | *1,055.22* | |
| | | *For Class 55 Rating, Add* | *1,576.58* | |
| | | *For Class 56 Rating, Add* | *2,091.00* | |
| 40 05 19 00-0260 | EA | 16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,452.38 | 841.99 |
| | | *For Class 52 Rating, Deduct* | *-789.43* | |
| | | *For Class 54 Rating, Add* | *1,091.81* | |
| | | *For Class 55 Rating, Add* | *1,631.01* | |
| | | *For Class 56 Rating, Add* | *2,163.04* | |
| 40 05 19 00-0261 | EA | 16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,701.92 | 846.02 |
| | | *For Class 52 Rating, Deduct* | *-816.21* | |
| | | *For Class 54 Rating, Add* | *1,128.39* | |
| | | *For Class 55 Rating, Add* | *1,685.44* | |
| | | *For Class 56 Rating, Add* | *2,235.07* | |
| 40 05 19 00-0262 | EA | 16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,951.46 | 850.04 |
| | | *For Class 52 Rating, Deduct* | *-842.99* | |
| | | *For Class 54 Rating, Add* | *1,164.98* | |
| | | *For Class 55 Rating, Add* | *1,739.88* | |
| | | *For Class 56 Rating, Add* | *2,307.10* | |
| 40 05 19 00-0263 | EA | 16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,200.99 | 854.07 |
| | | *For Class 52 Rating, Deduct* | *-869.76* | |
| | | *For Class 54 Rating, Add* | *1,201.57* | |
| | | *For Class 55 Rating, Add* | *1,794.31* | |
| | | *For Class 56 Rating, Add* | *2,379.14* | |
| 40 05 19 00-0264 | EA | 16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,450.54 | 858.10 |
| | | *For Class 52 Rating, Deduct* | *-896.54* | |
| | | *For Class 54 Rating, Add* | *1,238.16* | |
| | | *For Class 55 Rating, Add* | *1,848.74* | |
| | | *For Class 56 Rating, Add* | *2,451.17* | |
| 40 05 19 00-0265 | EA | 16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,700.08 | 862.13 |
| | | *For Class 52 Rating, Deduct* | *-923.32* | |
| | | *For Class 54 Rating, Add* | *1,274.75* | |
| | | *For Class 55 Rating, Add* | *1,903.17* | |
| | | *For Class 56 Rating, Add* | *2,523.20* | |
| 40 05 19 00-0266 | EA | 16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,949.61 | 866.15 |
| | | *For Class 52 Rating, Deduct* | *-950.10* | |
| | | *For Class 54 Rating, Add* | *1,311.34* | |
| | | *For Class 55 Rating, Add* | *1,957.61* | |
| | | *For Class 56 Rating, Add* | *2,595.24* | |
| 40 05 19 00-0267 | EA | 16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,199.15 | 870.18 |
| | | *For Class 52 Rating, Deduct* | *-976.88* | |
| | | *For Class 54 Rating, Add* | *1,347.93* | |
| | | *For Class 55 Rating, Add* | *2,012.04* | |
| | | *For Class 56 Rating, Add* | *2,667.27* | |
| 40 05 19 00-0268 | EA | 16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,448.70 | 874.21 |
| | | *For Class 52 Rating, Deduct* | *-1,003.65* | |
| | | *For Class 54 Rating, Add* | *1,384.51* | |
| | | *For Class 55 Rating, Add* | *2,066.47* | |
| | | *For Class 56 Rating, Add* | *2,739.30* | |
| 40 05 19 00-0269 | EA | 16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,698.23 | 878.25 |
| | | *For Class 52 Rating, Deduct* | *-1,030.43* | |
| | | *For Class 54 Rating, Add* | *1,421.10* | |
| | | *For Class 55 Rating, Add* | *2,120.90* | |
| | | *For Class 56 Rating, Add* | *2,811.33* | |
| 40 05 19 00-0270 | EA | 16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,947.77 | 882.27 |
| | | *For Class 52 Rating, Deduct* | *-1,057.21* | |
| | | *For Class 54 Rating, Add* | *1,457.69* | |
| | | *For Class 55 Rating, Add* | *2,175.34* | |
| | | *For Class 56 Rating, Add* | *2,883.37* | |
| 40 05 19 00-0271 | EA | 16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,197.31 | 886.30 |
| | | *For Class 52 Rating, Deduct* | *-1,083.99* | |
| | | *For Class 54 Rating, Add* | *1,494.28* | |
| | | *For Class 55 Rating, Add* | *2,229.77* | |
| | | *For Class 56 Rating, Add* | *2,955.40* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0272 | EA | 16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,446.85 | 890.33 |
| | | *For Class 52 Rating, Deduct* | *-1,110.77* | |
| | | *For Class 54 Rating, Add* | *1,530.87* | |
| | | *For Class 55 Rating, Add* | *2,284.20* | |
| | | *For Class 56 Rating, Add* | *3,027.43* | |
| 40 05 19 00-0273 | EA | 16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,696.39 | 894.36 |
| | | *For Class 52 Rating, Deduct* | *-1,137.54* | |
| | | *For Class 54 Rating, Add* | *1,567.46* | |
| | | *For Class 55 Rating, Add* | *2,338.63* | |
| | | *For Class 56 Rating, Add* | *3,099.47* | |
| 40 05 19 00-0274 | EA | 16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,945.93 | 898.38 |
| | | *For Class 52 Rating, Deduct* | *-1,164.32* | |
| | | *For Class 54 Rating, Add* | *1,604.05* | |
| | | *For Class 55 Rating, Add* | *2,393.07* | |
| | | *For Class 56 Rating, Add* | *3,171.50* | |
| 40 05 19 00-0275 | EA | 16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,195.46 | 902.41 |
| | | *For Class 52 Rating, Deduct* | *-1,191.10* | |
| | | *For Class 54 Rating, Add* | *1,640.63* | |
| | | *For Class 55 Rating, Add* | *2,447.50* | |
| | | *For Class 56 Rating, Add* | *3,243.53* | |
| 40 05 19 00-0276 | EA | 16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,445.01 | 906.44 |
| | | *For Class 52 Rating, Deduct* | *-1,217.88* | |
| | | *For Class 54 Rating, Add* | *1,677.22* | |
| | | *For Class 55 Rating, Add* | *2,501.93* | |
| | | *For Class 56 Rating, Add* | *3,315.57* | |
| 40 05 19 00-0277 | EA | 16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,694.54 | 910.47 |
| | | *For Class 52 Rating, Deduct* | *-1,244.65* | |
| | | *For Class 54 Rating, Add* | *1,713.81* | |
| | | *For Class 55 Rating, Add* | *2,556.36* | |
| | | *For Class 56 Rating, Add* | *3,387.60* | |
| 40 05 19 00-0278 | EA | 16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,944.08 | 914.49 |
| | | *For Class 52 Rating, Deduct* | *-1,271.43* | |
| | | *For Class 54 Rating, Add* | *1,750.40* | |
| | | *For Class 55 Rating, Add* | *2,610.80* | |
| | | *For Class 56 Rating, Add* | *3,459.63* | |
| 40 05 19 00-0279 | EA | 16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,193.62 | 918.53 |
| | | *For Class 52 Rating, Deduct* | *-1,298.21* | |
| | | *For Class 54 Rating, Add* | *1,786.99* | |
| | | *For Class 55 Rating, Add* | *2,665.23* | |
| | | *For Class 56 Rating, Add* | *3,531.67* | |
| 40 05 19 00-0280 | EA | 16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,443.16 | 922.56 |
| | | *For Class 52 Rating, Deduct* | *-1,324.99* | |
| | | *For Class 54 Rating, Add* | *1,823.58* | |
| | | *For Class 55 Rating, Add* | *2,719.66* | |
| | | *For Class 56 Rating, Add* | *3,603.70* | |

### 40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0282 | EA | 18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,902.20 | 871.79 |
| | | *For Class 52 Rating, Deduct* | *-393.94* | |
| | | *For Class 54 Rating, Add* | *553.05* | |
| | | *For Class 55 Rating, Add* | *830.33* | |
| | | *For Class 56 Rating, Add* | *1,104.04* | |
| 40 05 19 00-0283 | EA | 18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,189.20 | 875.82 |
| | | *For Class 52 Rating, Deduct* | *-424.84* | |
| | | *For Class 54 Rating, Add* | *595.25* | |
| | | *For Class 55 Rating, Add* | *893.12* | |
| | | *For Class 56 Rating, Add* | *1,187.12* | |
| 40 05 19 00-0284 | EA | 18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,476.18 | 879.85 |
| | | *For Class 52 Rating, Deduct* | *-455.74* | |
| | | *For Class 54 Rating, Add* | *637.46* | |
| | | *For Class 55 Rating, Add* | *955.90* | |
| | | *For Class 56 Rating, Add* | *1,270.20* | |
| 40 05 19 00-0285 | EA | 18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,763.17 | 883.88 |
| | | *For Class 52 Rating, Deduct* | *-486.64* | |
| | | *For Class 54 Rating, Add* | *679.66* | |
| | | *For Class 55 Rating, Add* | *1,018.68* | |
| | | *For Class 56 Rating, Add* | *1,353.28* | |
| 40 05 19 00-0286 | EA | 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,050.17 | 887.91 |
| | | *For Class 52 Rating, Deduct* | *-517.53* | |
| | | *For Class 54 Rating, Add* | *721.87* | |
| | | *For Class 55 Rating, Add* | *1,081.47* | |
| | | *For Class 56 Rating, Add* | *1,436.36* | |
| 40 05 19 00-0287 | EA | 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,337.16 | 891.94 |
| | | *For Class 52 Rating, Deduct* | *-548.43* | |
| | | *For Class 54 Rating, Add* | *764.08* | |
| | | *For Class 55 Rating, Add* | *1,144.25* | |
| | | *For Class 56 Rating, Add* | *1,519.44* | |
| 40 05 19 00-0288 | EA | 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,624.14 | 895.97 |
| | | *For Class 52 Rating, Deduct* | *-579.33* | |
| | | *For Class 54 Rating, Add* | *806.28* | |
| | | *For Class 55 Rating, Add* | *1,207.04* | |
| | | *For Class 56 Rating, Add* | *1,602.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0289 | EA | 18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,911.14 | 900.00 |
| | | *For Class 52 Rating, Deduct* | *-610.23* | |
| | | *For Class 54 Rating, Add* | *848.49* | |
| | | *For Class 55 Rating, Add* | *1,269.82* | |
| | | *For Class 56 Rating, Add* | *1,685.61* | |
| 40 05 19 00-0290 | EA | 18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,198.13 | 904.02 |
| | | *For Class 52 Rating, Deduct* | *-641.12* | |
| | | *For Class 54 Rating, Add* | *890.70* | |
| | | *For Class 55 Rating, Add* | *1,332.60* | |
| | | *For Class 56 Rating, Add* | *1,768.69* | |
| 40 05 19 00-0291 | EA | 18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,485.12 | 908.05 |
| | | *For Class 52 Rating, Deduct* | *-672.02* | |
| | | *For Class 54 Rating, Add* | *932.90* | |
| | | *For Class 55 Rating, Add* | *1,395.39* | |
| | | *For Class 56 Rating, Add* | *1,851.77* | |
| 40 05 19 00-0292 | EA | 18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,772.11 | 912.08 |
| | | *For Class 52 Rating, Deduct* | *-702.92* | |
| | | *For Class 54 Rating, Add* | *975.11* | |
| | | *For Class 55 Rating, Add* | *1,458.17* | |
| | | *For Class 56 Rating, Add* | *1,934.85* | |
| 40 05 19 00-0293 | EA | 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,059.10 | 916.11 |
| | | *For Class 52 Rating, Deduct* | *-733.82* | |
| | | *For Class 54 Rating, Add* | *1,017.31* | |
| | | *For Class 55 Rating, Add* | *1,520.96* | |
| | | *For Class 56 Rating, Add* | *2,017.93* | |
| 40 05 19 00-0294 | EA | 18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,346.09 | 920.13 |
| | | *For Class 52 Rating, Deduct* | *-764.71* | |
| | | *For Class 54 Rating, Add* | *1,059.52* | |
| | | *For Class 55 Rating, Add* | *1,583.74* | |
| | | *For Class 56 Rating, Add* | *2,101.01* | |
| 40 05 19 00-0295 | EA | 18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,633.08 | 924.17 |
| | | *For Class 52 Rating, Deduct* | *-795.61* | |
| | | *For Class 54 Rating, Add* | *1,101.73* | |
| | | *For Class 55 Rating, Add* | *1,646.53* | |
| | | *For Class 56 Rating, Add* | *2,184.09* | |
| 40 05 19 00-0296 | EA | 18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,920.07 | 928.20 |
| | | *For Class 52 Rating, Deduct* | *-826.51* | |
| | | *For Class 54 Rating, Add* | *1,143.93* | |
| | | *For Class 55 Rating, Add* | *1,709.31* | |
| | | *For Class 56 Rating, Add* | *2,267.17* | |
| 40 05 19 00-0297 | EA | 18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,207.06 | 932.23 |
| | | *For Class 52 Rating, Deduct* | *-857.41* | |
| | | *For Class 54 Rating, Add* | *1,186.14* | |
| | | *For Class 55 Rating, Add* | *1,772.09* | |
| | | *For Class 56 Rating, Add* | *2,350.26* | |
| 40 05 19 00-0298 | EA | 18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,494.05 | 936.26 |
| | | *For Class 52 Rating, Deduct* | *-888.30* | |
| | | *For Class 54 Rating, Add* | *1,228.34* | |
| | | *For Class 55 Rating, Add* | *1,834.88* | |
| | | *For Class 56 Rating, Add* | *2,433.34* | |
| 40 05 19 00-0299 | EA | 18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,781.04 | 940.28 |
| | | *For Class 52 Rating, Deduct* | *-919.20* | |
| | | *For Class 54 Rating, Add* | *1,270.55* | |
| | | *For Class 55 Rating, Add* | *1,897.66* | |
| | | *For Class 56 Rating, Add* | *2,516.42* | |
| 40 05 19 00-0300 | EA | 18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,068.03 | 944.31 |
| | | *For Class 52 Rating, Deduct* | *-950.10* | |
| | | *For Class 54 Rating, Add* | *1,312.76* | |
| | | *For Class 55 Rating, Add* | *1,960.45* | |
| | | *For Class 56 Rating, Add* | *2,599.50* | |
| 40 05 19 00-0301 | EA | 18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,355.02 | 948.34 |
| | | *For Class 52 Rating, Deduct* | *-981.00* | |
| | | *For Class 54 Rating, Add* | *1,354.96* | |
| | | *For Class 55 Rating, Add* | *2,023.23* | |
| | | *For Class 56 Rating, Add* | *2,682.58* | |
| 40 05 19 00-0302 | EA | 18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,642.01 | 952.37 |
| | | *For Class 52 Rating, Deduct* | *-1,011.89* | |
| | | *For Class 54 Rating, Add* | *1,397.17* | |
| | | *For Class 55 Rating, Add* | *2,086.02* | |
| | | *For Class 56 Rating, Add* | *2,765.66* | |
| 40 05 19 00-0303 | EA | 18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,929.01 | 956.39 |
| | | *For Class 52 Rating, Deduct* | *-1,042.79* | |
| | | *For Class 54 Rating, Add* | *1,439.38* | |
| | | *For Class 55 Rating, Add* | *2,148.80* | |
| | | *For Class 56 Rating, Add* | *2,848.74* | |
| 40 05 19 00-0304 | EA | 18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,215.99 | 960.42 |
| | | *For Class 52 Rating, Deduct* | *-1,073.69* | |
| | | *For Class 54 Rating, Add* | *1,481.58* | |
| | | *For Class 55 Rating, Add* | *2,211.58* | |
| | | *For Class 56 Rating, Add* | *2,931.82* | |
| 40 05 19 00-0305 | EA | 18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,502.98 | 964.46 |
| | | *For Class 52 Rating, Deduct* | *-1,104.59* | |
| | | *For Class 54 Rating, Add* | *1,523.79* | |
| | | *For Class 55 Rating, Add* | *2,274.37* | |
| | | *For Class 56 Rating, Add* | *3,014.90* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0306 | EA | 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,789.98 | 968.49 |
| | | *For Class 52 Rating, Deduct* | *-1,135.48* | |
| | | *For Class 54 Rating, Add* | *1,566.00* | |
| | | *For Class 55 Rating, Add* | *2,337.15* | |
| | | *For Class 56 Rating, Add* | *3,097.99* | |
| 40 05 19 00-0307 | EA | 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,076.97 | 972.51 |
| | | *For Class 52 Rating, Deduct* | *-1,166.38* | |
| | | *For Class 54 Rating, Add* | *1,608.20* | |
| | | *For Class 55 Rating, Add* | *2,399.94* | |
| | | *For Class 56 Rating, Add* | *3,181.07* | |
| 40 05 19 00-0308 | EA | 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,363.95 | 976.54 |
| | | *For Class 52 Rating, Deduct* | *-1,197.28* | |
| | | *For Class 54 Rating, Add* | *1,650.41* | |
| | | *For Class 55 Rating, Add* | *2,462.72* | |
| | | *For Class 56 Rating, Add* | *3,264.15* | |
| 40 05 19 00-0309 | EA | 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,650.94 | 980.57 |
| | | *For Class 52 Rating, Deduct* | *-1,228.18* | |
| | | *For Class 54 Rating, Add* | *1,692.61* | |
| | | *For Class 55 Rating, Add* | *2,525.50* | |
| | | *For Class 56 Rating, Add* | *3,347.23* | |
| 40 05 19 00-0310 | EA | 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,937.94 | 984.60 |
| | | *For Class 52 Rating, Deduct* | *-1,259.07* | |
| | | *For Class 54 Rating, Add* | *1,734.82* | |
| | | *For Class 55 Rating, Add* | *2,588.29* | |
| | | *For Class 56 Rating, Add* | *3,430.31* | |
| 40 05 19 00-0311 | EA | 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,224.93 | 988.62 |
| | | *For Class 52 Rating, Deduct* | *-1,289.97* | |
| | | *For Class 54 Rating, Add* | *1,777.03* | |
| | | *For Class 55 Rating, Add* | *2,651.07* | |
| | | *For Class 56 Rating, Add* | *3,513.39* | |
| 40 05 19 00-0312 | EA | 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,511.91 | 992.65 |
| | | *For Class 52 Rating, Deduct* | *-1,320.87* | |
| | | *For Class 54 Rating, Add* | *1,819.23* | |
| | | *For Class 55 Rating, Add* | *2,713.86* | |
| | | *For Class 56 Rating, Add* | *3,596.47* | |
| 40 05 19 00-0313 | EA | 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,798.91 | 996.68 |
| | | *For Class 52 Rating, Deduct* | *-1,351.77* | |
| | | *For Class 54 Rating, Add* | *1,861.44* | |
| | | *For Class 55 Rating, Add* | *2,776.64* | |
| | | *For Class 56 Rating, Add* | *3,679.55* | |
| 40 05 19 00-0314 | EA | 18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,085.90 | 1,000.72 |
| | | *For Class 52 Rating, Deduct* | *-1,382.66* | |
| | | *For Class 54 Rating, Add* | *1,903.65* | |
| | | *For Class 55 Rating, Add* | *2,839.43* | |
| | | *For Class 56 Rating, Add* | *3,762.64* | |
| 40 05 19 00-0315 | EA | 18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,372.89 | 1,004.74 |
| | | *For Class 52 Rating, Deduct* | *-1,413.56* | |
| | | *For Class 54 Rating, Add* | *1,945.85* | |
| | | *For Class 55 Rating, Add* | *2,902.21* | |
| | | *For Class 56 Rating, Add* | *3,845.72* | |
| 40 05 19 00-0316 | EA | 18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,659.88 | 1,008.77 |
| | | *For Class 52 Rating, Deduct* | *-1,444.46* | |
| | | *For Class 54 Rating, Add* | *1,988.06* | |
| | | *For Class 55 Rating, Add* | *2,964.99* | |
| | | *For Class 56 Rating, Add* | *3,928.80* | |
| 40 05 19 00-0317 | EA | 18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,946.87 | 1,012.80 |
| | | *For Class 52 Rating, Deduct* | *-1,475.36* | |
| | | *For Class 54 Rating, Add* | *2,030.26* | |
| | | *For Class 55 Rating, Add* | *3,027.78* | |
| | | *For Class 56 Rating, Add* | *4,011.88* | |
| 40 05 19 00-0318 | EA | 18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,233.86 | 1,016.83 |
| | | *For Class 52 Rating, Deduct* | *-1,506.25* | |
| | | *For Class 54 Rating, Add* | *2,072.47* | |
| | | *For Class 55 Rating, Add* | *3,090.56* | |
| | | *For Class 56 Rating, Add* | *4,094.96* | |
| 40 05 19 00-0319 | EA | 18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,520.85 | 1,020.85 |
| | | *For Class 52 Rating, Deduct* | *-1,537.15* | |
| | | *For Class 54 Rating, Add* | *2,114.68* | |
| | | *For Class 55 Rating, Add* | *3,153.35* | |
| | | *For Class 56 Rating, Add* | *4,178.04* | |

### 40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0321 | EA | 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,742.04 | 995.08 |
| | | *For Class 52 Rating, Deduct* | *-465.78* | |
| | | *For Class 54 Rating, Add* | *653.25* | |
| | | *For Class 55 Rating, Add* | *980.45* | |
| | | *For Class 56 Rating, Add* | *1,303.41* | |
| 40 05 19 00-0322 | EA | 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,071.17 | 999.10 |
| | | *For Class 52 Rating, Deduct* | *-501.31* | |
| | | *For Class 54 Rating, Add* | *701.77* | |
| | | *For Class 55 Rating, Add* | *1,052.63* | |
| | | *For Class 56 Rating, Add* | *1,398.92* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0323 | EA | 20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,400.29 | 1,003.13 |
| | | *For Class 52 Rating, Deduct* | *-536.84* | |
| | | *For Class 54 Rating, Add* | *750.30* | |
| | | *For Class 55 Rating, Add* | *1,124.81* | |
| | | *For Class 56 Rating, Add* | *1,494.43* | |
| 40 05 19 00-0324 | EA | 20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,729.42 | 1,007.16 |
| | | *For Class 52 Rating, Deduct* | *-572.38* | |
| | | *For Class 54 Rating, Add* | *798.83* | |
| | | *For Class 55 Rating, Add* | *1,196.99* | |
| | | *For Class 56 Rating, Add* | *1,589.94* | |
| 40 05 19 00-0325 | EA | 20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,058.54 | 1,011.19 |
| | | *For Class 52 Rating, Deduct* | *-607.91* | |
| | | *For Class 54 Rating, Add* | *847.35* | |
| | | *For Class 55 Rating, Add* | *1,269.17* | |
| | | *For Class 56 Rating, Add* | *1,685.46* | |
| 40 05 19 00-0326 | EA | 20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,387.66 | 1,015.21 |
| | | *For Class 52 Rating, Deduct* | *-643.44* | |
| | | *For Class 54 Rating, Add* | *895.88* | |
| | | *For Class 55 Rating, Add* | *1,341.35* | |
| | | *For Class 56 Rating, Add* | *1,780.97* | |
| 40 05 19 00-0327 | EA | 20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,716.79 | 1,019.24 |
| | | *For Class 52 Rating, Deduct* | *-678.97* | |
| | | *For Class 54 Rating, Add* | *944.40* | |
| | | *For Class 55 Rating, Add* | *1,413.53* | |
| | | *For Class 56 Rating, Add* | *1,876.48* | |
| 40 05 19 00-0328 | EA | 20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,045.92 | 1,023.27 |
| | | *For Class 52 Rating, Deduct* | *-714.51* | |
| | | *For Class 54 Rating, Add* | *992.93* | |
| | | *For Class 55 Rating, Add* | *1,485.71* | |
| | | *For Class 56 Rating, Add* | *1,971.99* | |
| 40 05 19 00-0329 | EA | 20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,375.03 | 1,027.30 |
| | | *For Class 52 Rating, Deduct* | *-750.04* | |
| | | *For Class 54 Rating, Add* | *1,041.46* | |
| | | *For Class 55 Rating, Add* | *1,557.89* | |
| | | *For Class 56 Rating, Add* | *2,067.50* | |
| 40 05 19 00-0330 | EA | 20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,704.16 | 1,031.33 |
| | | *For Class 52 Rating, Deduct* | *-785.57* | |
| | | *For Class 54 Rating, Add* | *1,089.98* | |
| | | *For Class 55 Rating, Add* | *1,630.07* | |
| | | *For Class 56 Rating, Add* | *2,163.01* | |
| 40 05 19 00-0331 | EA | 20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,033.29 | 1,035.36 |
| | | *For Class 52 Rating, Deduct* | *-821.10* | |
| | | *For Class 54 Rating, Add* | *1,138.51* | |
| | | *For Class 55 Rating, Add* | *1,702.25* | |
| | | *For Class 56 Rating, Add* | *2,258.52* | |
| 40 05 19 00-0332 | EA | 20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,362.41 | 1,039.39 |
| | | *For Class 52 Rating, Deduct* | *-856.63* | |
| | | *For Class 54 Rating, Add* | *1,187.03* | |
| | | *For Class 55 Rating, Add* | *1,774.43* | |
| | | *For Class 56 Rating, Add* | *2,354.03* | |
| 40 05 19 00-0333 | EA | 20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,691.52 | 1,043.42 |
| | | *For Class 52 Rating, Deduct* | *-892.16* | |
| | | *For Class 54 Rating, Add* | *1,235.56* | |
| | | *For Class 55 Rating, Add* | *1,846.60* | |
| | | *For Class 56 Rating, Add* | *2,449.54* | |
| 40 05 19 00-0334 | EA | 20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,020.65 | 1,047.44 |
| | | *For Class 52 Rating, Deduct* | *-927.70* | |
| | | *For Class 54 Rating, Add* | *1,284.09* | |
| | | *For Class 55 Rating, Add* | *1,918.78* | |
| | | *For Class 56 Rating, Add* | *2,545.05* | |
| 40 05 19 00-0335 | EA | 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,349.77 | 1,051.47 |
| | | *For Class 52 Rating, Deduct* | *-963.23* | |
| | | *For Class 54 Rating, Add* | *1,332.61* | |
| | | *For Class 55 Rating, Add* | *1,990.96* | |
| | | *For Class 56 Rating, Add* | *2,640.56* | |
| 40 05 19 00-0336 | EA | 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,678.90 | 1,055.50 |
| | | *For Class 52 Rating, Deduct* | *-998.76* | |
| | | *For Class 54 Rating, Add* | *1,381.14* | |
| | | *For Class 55 Rating, Add* | *2,063.14* | |
| | | *For Class 56 Rating, Add* | *2,736.07* | |
| 40 05 19 00-0337 | EA | 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,008.01 | 1,059.53 |
| | | *For Class 52 Rating, Deduct* | *-1,034.29* | |
| | | *For Class 54 Rating, Add* | *1,429.66* | |
| | | *For Class 55 Rating, Add* | *2,135.32* | |
| | | *For Class 56 Rating, Add* | *2,831.58* | |
| 40 05 19 00-0338 | EA | 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,337.14 | 1,063.55 |
| | | *For Class 52 Rating, Deduct* | *-1,069.83* | |
| | | *For Class 54 Rating, Add* | *1,478.19* | |
| | | *For Class 55 Rating, Add* | *2,207.50* | |
| | | *For Class 56 Rating, Add* | *2,927.09* | |
| 40 05 19 00-0339 | EA | 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,666.27 | 1,067.59 |
| | | *For Class 52 Rating, Deduct* | *-1,105.36* | |
| | | *For Class 54 Rating, Add* | *1,526.72* | |
| | | *For Class 55 Rating, Add* | *2,279.68* | |
| | | *For Class 56 Rating, Add* | *3,022.60* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0340 | EA | 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,995.39 | 1,071.62 |
| | | *For Class 52 Rating, Deduct* | *-1,140.89* | |
| | | *For Class 54 Rating, Add* | *1,575.24* | |
| | | *For Class 55 Rating, Add* | *2,351.86* | |
| | | *For Class 56 Rating, Add* | *3,118.11* | |
| 40 05 19 00-0341 | EA | 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,324.51 | 1,075.65 |
| | | *For Class 52 Rating, Deduct* | *-1,176.42* | |
| | | *For Class 54 Rating, Add* | *1,623.77* | |
| | | *For Class 55 Rating, Add* | *2,424.04* | |
| | | *For Class 56 Rating, Add* | *3,213.62* | |
| 40 05 19 00-0342 | EA | 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,653.64 | 1,079.67 |
| | | *For Class 52 Rating, Deduct* | *-1,211.95* | |
| | | *For Class 54 Rating, Add* | *1,672.30* | |
| | | *For Class 55 Rating, Add* | *2,496.22* | |
| | | *For Class 56 Rating, Add* | *3,309.13* | |
| 40 05 19 00-0343 | EA | 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,982.76 | 1,083.70 |
| | | *For Class 52 Rating, Deduct* | *-1,247.49* | |
| | | *For Class 54 Rating, Add* | *1,720.82* | |
| | | *For Class 55 Rating, Add* | *2,568.40* | |
| | | *For Class 56 Rating, Add* | *3,404.64* | |
| 40 05 19 00-0344 | EA | 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,311.89 | 1,087.73 |
| | | *For Class 52 Rating, Deduct* | *-1,283.02* | |
| | | *For Class 54 Rating, Add* | *1,769.35* | |
| | | *For Class 55 Rating, Add* | *2,640.58* | |
| | | *For Class 56 Rating, Add* | *3,500.15* | |
| 40 05 19 00-0345 | EA | 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,641.01 | 1,091.76 |
| | | *For Class 52 Rating, Deduct* | *-1,318.55* | |
| | | *For Class 54 Rating, Add* | *1,817.87* | |
| | | *For Class 55 Rating, Add* | *2,712.76* | |
| | | *For Class 56 Rating, Add* | *3,595.67* | |
| 40 05 19 00-0346 | EA | 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,970.13 | 1,095.78 |
| | | *For Class 52 Rating, Deduct* | *-1,354.08* | |
| | | *For Class 54 Rating, Add* | *1,866.40* | |
| | | *For Class 55 Rating, Add* | *2,784.94* | |
| | | *For Class 56 Rating, Add* | *3,691.18* | |
| 40 05 19 00-0347 | EA | 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,299.26 | 1,099.81 |
| | | *For Class 52 Rating, Deduct* | *-1,389.62* | |
| | | *For Class 54 Rating, Add* | *1,914.93* | |
| | | *For Class 55 Rating, Add* | *2,857.12* | |
| | | *For Class 56 Rating, Add* | *3,786.69* | |
| 40 05 19 00-0348 | EA | 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,628.39 | 1,103.85 |
| | | *For Class 52 Rating, Deduct* | *-1,425.15* | |
| | | *For Class 54 Rating, Add* | *1,963.45* | |
| | | *For Class 55 Rating, Add* | *2,929.30* | |
| | | *For Class 56 Rating, Add* | *3,882.20* | |
| 40 05 19 00-0349 | EA | 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,957.49 | 1,107.88 |
| | | *For Class 52 Rating, Deduct* | *-1,460.68* | |
| | | *For Class 54 Rating, Add* | *2,011.98* | |
| | | *For Class 55 Rating, Add* | *3,001.48* | |
| | | *For Class 56 Rating, Add* | *3,977.70* | |
| 40 05 19 00-0350 | EA | 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,286.62 | 1,111.90 |
| | | *For Class 52 Rating, Deduct* | *-1,496.21* | |
| | | *For Class 54 Rating, Add* | *2,060.50* | |
| | | *For Class 55 Rating, Add* | *3,073.66* | |
| | | *For Class 56 Rating, Add* | *4,073.22* | |
| 40 05 19 00-0351 | EA | 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,615.75 | 1,115.93 |
| | | *For Class 52 Rating, Deduct* | *-1,531.74* | |
| | | *For Class 54 Rating, Add* | *2,109.03* | |
| | | *For Class 55 Rating, Add* | *3,145.84* | |
| | | *For Class 56 Rating, Add* | *4,168.73* | |
| 40 05 19 00-0352 | EA | 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,944.87 | 1,119.96 |
| | | *For Class 52 Rating, Deduct* | *-1,567.28* | |
| | | *For Class 54 Rating, Add* | *2,157.56* | |
| | | *For Class 55 Rating, Add* | *3,218.02* | |
| | | *For Class 56 Rating, Add* | *4,264.24* | |
| 40 05 19 00-0353 | EA | 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,273.99 | 1,123.99 |
| | | *For Class 52 Rating, Deduct* | *-1,602.81* | |
| | | *For Class 54 Rating, Add* | *2,206.08* | |
| | | *For Class 55 Rating, Add* | *3,290.20* | |
| | | *For Class 56 Rating, Add* | *4,359.75* | |
| 40 05 19 00-0354 | EA | 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,603.11 | 1,128.01 |
| | | *For Class 52 Rating, Deduct* | *-1,638.34* | |
| | | *For Class 54 Rating, Add* | *2,254.61* | |
| | | *For Class 55 Rating, Add* | *3,362.38* | |
| | | *For Class 56 Rating, Add* | *4,455.26* | |
| 40 05 19 00-0355 | EA | 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,932.24 | 1,132.04 |
| | | *For Class 52 Rating, Deduct* | *-1,673.87* | |
| | | *For Class 54 Rating, Add* | *2,303.14* | |
| | | *For Class 55 Rating, Add* | *3,434.56* | |
| | | *For Class 56 Rating, Add* | *4,550.77* | |
| 40 05 19 00-0356 | EA | 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,261.37 | 1,136.07 |
| | | *For Class 52 Rating, Deduct* | *-1,709.40* | |
| | | *For Class 54 Rating, Add* | *2,351.66* | |
| | | *For Class 55 Rating, Add* | *3,506.74* | |
| | | *For Class 56 Rating, Add* | *4,646.28* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0357 | EA | 20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,590.48 | 1,140.10 |
| | | *For Class 52 Rating, Deduct* | *-1,744.94* | |
| | | *For Class 54 Rating, Add* | *2,400.19* | |
| | | *For Class 55 Rating, Add* | *3,578.92* | |
| | | *For Class 56 Rating, Add* | *4,741.79* | |
| 40 05 19 00-0358 | EA | 20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,919.61 | 1,144.13 |
| | | *For Class 52 Rating, Deduct* | *-1,780.47* | |
| | | *For Class 54 Rating, Add* | *2,448.71* | |
| | | *For Class 55 Rating, Add* | *3,651.10* | |
| | | *For Class 56 Rating, Add* | *4,837.30* | |

## 40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0360 | EA | 24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,067.71 | 1,176.36 |
| | | *For Class 52 Rating, Deduct* | *-581.39* | |
| | | *For Class 54 Rating, Add* | *814.19* | |
| | | *For Class 55 Rating, Add* | *1,221.41* | |
| | | *For Class 56 Rating, Add* | *1,623.34* | |
| 40 05 19 00-0361 | EA | 24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,474.08 | 1,180.39 |
| | | *For Class 52 Rating, Deduct* | *-625.42* | |
| | | *For Class 54 Rating, Add* | *874.30* | |
| | | *For Class 55 Rating, Add* | *1,310.81* | |
| | | *For Class 56 Rating, Add* | *1,741.64* | |
| 40 05 19 00-0362 | EA | 24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,880.45 | 1,184.42 |
| | | *For Class 52 Rating, Deduct* | *-669.45* | |
| | | *For Class 54 Rating, Add* | *934.42* | |
| | | *For Class 55 Rating, Add* | *1,400.22* | |
| | | *For Class 56 Rating, Add* | *1,859.94* | |
| 40 05 19 00-0363 | EA | 24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,286.81 | 1,188.45 |
| | | *For Class 52 Rating, Deduct* | *-713.48* | |
| | | *For Class 54 Rating, Add* | *994.53* | |
| | | *For Class 55 Rating, Add* | *1,489.63* | |
| | | *For Class 56 Rating, Add* | *1,978.24* | |
| 40 05 19 00-0364 | EA | 24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,693.18 | 1,192.48 |
| | | *For Class 52 Rating, Deduct* | *-757.50* | |
| | | *For Class 54 Rating, Add* | *1,054.64* | |
| | | *For Class 55 Rating, Add* | *1,579.03* | |
| | | *For Class 56 Rating, Add* | *2,096.53* | |
| 40 05 19 00-0365 | EA | 24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,099.54 | 1,196.50 |
| | | *For Class 52 Rating, Deduct* | *-801.53* | |
| | | *For Class 54 Rating, Add* | *1,114.75* | |
| | | *For Class 55 Rating, Add* | *1,668.43* | |
| | | *For Class 56 Rating, Add* | *2,214.83* | |
| 40 05 19 00-0366 | EA | 24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,505.91 | 1,200.53 |
| | | *For Class 52 Rating, Deduct* | *-845.56* | |
| | | *For Class 54 Rating, Add* | *1,174.87* | |
| | | *For Class 55 Rating, Add* | *1,757.84* | |
| | | *For Class 56 Rating, Add* | *2,333.13* | |
| 40 05 19 00-0367 | EA | 24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,912.28 | 1,204.56 |
| | | *For Class 52 Rating, Deduct* | *-889.59* | |
| | | *For Class 54 Rating, Add* | *1,234.98* | |
| | | *For Class 55 Rating, Add* | *1,847.25* | |
| | | *For Class 56 Rating, Add* | *2,451.42* | |
| 40 05 19 00-0368 | EA | 24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,318.64 | 1,208.59 |
| | | *For Class 52 Rating, Deduct* | *-933.62* | |
| | | *For Class 54 Rating, Add* | *1,295.09* | |
| | | *For Class 55 Rating, Add* | *1,936.65* | |
| | | *For Class 56 Rating, Add* | *2,569.72* | |
| 40 05 19 00-0369 | EA | 24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,725.01 | 1,212.61 |
| | | *For Class 52 Rating, Deduct* | *-977.65* | |
| | | *For Class 54 Rating, Add* | *1,355.20* | |
| | | *For Class 55 Rating, Add* | *2,026.05* | |
| | | *For Class 56 Rating, Add* | *2,688.02* | |
| 40 05 19 00-0370 | EA | 24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,131.39 | 1,216.65 |
| | | *For Class 52 Rating, Deduct* | *-1,021.68* | |
| | | *For Class 54 Rating, Add* | *1,415.32* | |
| | | *For Class 55 Rating, Add* | *2,115.46* | |
| | | *For Class 56 Rating, Add* | *2,806.32* | |
| 40 05 19 00-0371 | EA | 24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,537.74 | 1,220.68 |
| | | *For Class 52 Rating, Deduct* | *-1,065.71* | |
| | | *For Class 54 Rating, Add* | *1,475.43* | |
| | | *For Class 55 Rating, Add* | *2,204.87* | |
| | | *For Class 56 Rating, Add* | *2,924.61* | |
| 40 05 19 00-0372 | EA | 24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,944.11 | 1,224.71 |
| | | *For Class 52 Rating, Deduct* | *-1,109.74* | |
| | | *For Class 54 Rating, Add* | *1,535.54* | |
| | | *For Class 55 Rating, Add* | *2,294.27* | |
| | | *For Class 56 Rating, Add* | *3,042.91* | |
| 40 05 19 00-0373 | EA | 24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,350.49 | 1,228.73 |
| | | *For Class 52 Rating, Deduct* | *-1,153.76* | |
| | | *For Class 54 Rating, Add* | *1,595.66* | |
| | | *For Class 55 Rating, Add* | *2,383.68* | |
| | | *For Class 56 Rating, Add* | *3,161.21* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0374 | EA | 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,756.85 | 1,232.76 |
| | | *For Class 52 Rating, Deduct* | *-1,197.79* | |
| | | *For Class 54 Rating, Add* | *1,655.77* | |
| | | *For Class 55 Rating, Add* | *2,473.08* | |
| | | *For Class 56 Rating, Add* | *3,279.51* | |
| 40 05 19 00-0375 | EA | 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,163.21 | 1,236.79 |
| | | *For Class 52 Rating, Deduct* | *-1,241.82* | |
| | | *For Class 54 Rating, Add* | *1,715.88* | |
| | | *For Class 55 Rating, Add* | *2,562.49* | |
| | | *For Class 56 Rating, Add* | *3,397.80* | |
| 40 05 19 00-0376 | EA | 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,569.59 | 1,240.82 |
| | | *For Class 52 Rating, Deduct* | *-1,285.85* | |
| | | *For Class 54 Rating, Add* | *1,775.99* | |
| | | *For Class 55 Rating, Add* | *2,651.89* | |
| | | *For Class 56 Rating, Add* | *3,516.10* | |
| 40 05 19 00-0377 | EA | 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,975.95 | 1,244.84 |
| | | *For Class 52 Rating, Deduct* | *-1,329.88* | |
| | | *For Class 54 Rating, Add* | *1,836.11* | |
| | | *For Class 55 Rating, Add* | *2,741.30* | |
| | | *For Class 56 Rating, Add* | *3,634.40* | |
| 40 05 19 00-0378 | EA | 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,382.32 | 1,248.87 |
| | | *For Class 52 Rating, Deduct* | *-1,373.91* | |
| | | *For Class 54 Rating, Add* | *1,896.22* | |
| | | *For Class 55 Rating, Add* | *2,830.70* | |
| | | *For Class 56 Rating, Add* | *3,752.69* | |
| 40 05 19 00-0379 | EA | 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,788.68 | 1,252.91 |
| | | *For Class 52 Rating, Deduct* | *-1,417.94* | |
| | | *For Class 54 Rating, Add* | *1,956.33* | |
| | | *For Class 55 Rating, Add* | *2,920.11* | |
| | | *For Class 56 Rating, Add* | *3,870.99* | |
| 40 05 19 00-0380 | EA | 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,195.05 | 1,256.94 |
| | | *For Class 52 Rating, Deduct* | *-1,461.97* | |
| | | *For Class 54 Rating, Add* | *2,016.44* | |
| | | *For Class 55 Rating, Add* | *3,009.51* | |
| | | *For Class 56 Rating, Add* | *3,989.29* | |
| 40 05 19 00-0381 | EA | 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,601.42 | 1,260.96 |
| | | *For Class 52 Rating, Deduct* | *-1,506.00* | |
| | | *For Class 54 Rating, Add* | *2,076.56* | |
| | | *For Class 55 Rating, Add* | *3,098.92* | |
| | | *For Class 56 Rating, Add* | *4,107.59* | |
| 40 05 19 00-0382 | EA | 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,007.79 | 1,264.99 |
| | | *For Class 52 Rating, Deduct* | *-1,550.02* | |
| | | *For Class 54 Rating, Add* | *2,136.67* | |
| | | *For Class 55 Rating, Add* | *3,188.32* | |
| | | *For Class 56 Rating, Add* | *4,225.88* | |
| 40 05 19 00-0383 | EA | 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,414.15 | 1,269.02 |
| | | *For Class 52 Rating, Deduct* | *-1,594.05* | |
| | | *For Class 54 Rating, Add* | *2,196.78* | |
| | | *For Class 55 Rating, Add* | *3,277.73* | |
| | | *For Class 56 Rating, Add* | *4,344.18* | |
| 40 05 19 00-0384 | EA | 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,820.52 | 1,273.05 |
| | | *For Class 52 Rating, Deduct* | *-1,638.08* | |
| | | *For Class 54 Rating, Add* | *2,256.90* | |
| | | *For Class 55 Rating, Add* | *3,367.13* | |
| | | *For Class 56 Rating, Add* | *4,462.48* | |
| 40 05 19 00-0385 | EA | 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,226.88 | 1,277.07 |
| | | *For Class 52 Rating, Deduct* | *-1,682.11* | |
| | | *For Class 54 Rating, Add* | *2,317.01* | |
| | | *For Class 55 Rating, Add* | *3,456.54* | |
| | | *For Class 56 Rating, Add* | *4,580.77* | |
| 40 05 19 00-0386 | EA | 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,633.26 | 1,281.10 |
| | | *For Class 52 Rating, Deduct* | *-1,726.14* | |
| | | *For Class 54 Rating, Add* | *2,377.12* | |
| | | *For Class 55 Rating, Add* | *3,545.94* | |
| | | *For Class 56 Rating, Add* | *4,699.07* | |
| 40 05 19 00-0387 | EA | 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,039.62 | 1,285.13 |
| | | *For Class 52 Rating, Deduct* | *-1,770.17* | |
| | | *For Class 54 Rating, Add* | *2,437.23* | |
| | | *For Class 55 Rating, Add* | *3,635.35* | |
| | | *For Class 56 Rating, Add* | *4,817.37* | |
| 40 05 19 00-0388 | EA | 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,445.98 | 1,289.16 |
| | | *For Class 52 Rating, Deduct* | *-1,814.20* | |
| | | *For Class 54 Rating, Add* | *2,497.35* | |
| | | *For Class 55 Rating, Add* | *3,724.75* | |
| | | *For Class 56 Rating, Add* | *4,935.67* | |
| 40 05 19 00-0389 | EA | 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,956.13 | 1,361.67 |
| | | *For Class 52 Rating, Deduct* | *-1,858.23* | |
| | | *For Class 54 Rating, Add* | *2,558.70* | |
| | | *For Class 55 Rating, Add* | *3,816.65* | |
| | | *For Class 56 Rating, Add* | *5,057.70* | |
| 40 05 19 00-0390 | EA | 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,362.49 | 1,365.71 |
| | | *For Class 52 Rating, Deduct* | *-1,902.26* | |
| | | *For Class 54 Rating, Add* | *2,618.82* | |
| | | *For Class 55 Rating, Add* | *3,906.05* | |
| | | *For Class 56 Rating, Add* | *5,176.00* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0391 | EA | 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,768.85 | 1,369.74 |
| | | *For Class 52 Rating, Deduct* | *-1,946.29* | |
| | | *For Class 54 Rating, Add* | *2,678.93* | |
| | | *For Class 55 Rating, Add* | *3,995.46* | |
| | | *For Class 56 Rating, Add* | *5,294.30* | |
| 40 05 19 00-0392 | EA | 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,175.23 | 1,373.77 |
| | | *For Class 52 Rating, Deduct* | *-1,990.31* | |
| | | *For Class 54 Rating, Add* | *2,739.04* | |
| | | *For Class 55 Rating, Add* | *4,084.87* | |
| | | *For Class 56 Rating, Add* | *5,412.59* | |
| 40 05 19 00-0393 | EA | 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,581.60 | 1,377.79 |
| | | *For Class 52 Rating, Deduct* | *-2,034.34* | |
| | | *For Class 54 Rating, Add* | *2,799.16* | |
| | | *For Class 55 Rating, Add* | *4,174.27* | |
| | | *For Class 56 Rating, Add* | *5,530.89* | |
| 40 05 19 00-0394 | EA | 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,987.95 | 1,381.82 |
| | | *For Class 52 Rating, Deduct* | *-2,078.37* | |
| | | *For Class 54 Rating, Add* | *2,859.27* | |
| | | *For Class 55 Rating, Add* | *4,263.67* | |
| | | *For Class 56 Rating, Add* | *5,649.19* | |
| 40 05 19 00-0395 | EA | 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 21,394.33 | 1,385.85 |
| | | *For Class 52 Rating, Deduct* | *-2,122.40* | |
| | | *For Class 54 Rating, Add* | *2,919.38* | |
| | | *For Class 55 Rating, Add* | *4,353.08* | |
| | | *For Class 56 Rating, Add* | *5,767.49* | |
| 40 05 19 00-0396 | EA | 24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 21,800.70 | 1,389.88 |
| | | *For Class 52 Rating, Deduct* | *-2,166.43* | |
| | | *For Class 54 Rating, Add* | *2,979.49* | |
| | | *For Class 55 Rating, Add* | *4,442.49* | |
| | | *For Class 56 Rating, Add* | *5,885.78* | |
| 40 05 19 00-0397 | EA | 24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,207.06 | 1,393.90 |
| | | *For Class 52 Rating, Deduct* | *-2,210.46* | |
| | | *For Class 54 Rating, Add* | *3,039.61* | |
| | | *For Class 55 Rating, Add* | *4,531.89* | |
| | | *For Class 56 Rating, Add* | *6,004.08* | |

## 40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0399 | EA | 30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,918.02 | 1,659.79 |
| | | *For Class 52 Rating, Deduct* | *-924.35* | |
| | | *For Class 54 Rating, Add* | *1,290.66* | |
| | | *For Class 55 Rating, Add* | *1,934.27* | |
| | | *For Class 56 Rating, Add* | *2,569.47* | |
| 40 05 19 00-0400 | EA | 30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,502.29 | 1,663.83 |
| | | *For Class 52 Rating, Deduct* | *-987.95* | |
| | | *For Class 54 Rating, Add* | *1,377.45* | |
| | | *For Class 55 Rating, Add* | *2,063.34* | |
| | | *For Class 56 Rating, Add* | *2,740.25* | |
| 40 05 19 00-0401 | EA | 30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,086.55 | 1,667.86 |
| | | *For Class 52 Rating, Deduct* | *-1,051.55* | |
| | | *For Class 54 Rating, Add* | *1,464.25* | |
| | | *For Class 55 Rating, Add* | *2,192.42* | |
| | | *For Class 56 Rating, Add* | *2,911.03* | |
| 40 05 19 00-0402 | EA | 30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,670.81 | 1,671.88 |
| | | *For Class 52 Rating, Deduct* | *-1,115.14* | |
| | | *For Class 54 Rating, Add* | *1,551.05* | |
| | | *For Class 55 Rating, Add* | *2,321.49* | |
| | | *For Class 56 Rating, Add* | *3,081.80* | |
| 40 05 19 00-0403 | EA | 30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,255.08 | 1,675.91 |
| | | *For Class 52 Rating, Deduct* | *-1,178.74* | |
| | | *For Class 54 Rating, Add* | *1,637.84* | |
| | | *For Class 55 Rating, Add* | *2,450.57* | |
| | | *For Class 56 Rating, Add* | *3,252.58* | |
| 40 05 19 00-0404 | EA | 30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,839.33 | 1,679.94 |
| | | *For Class 52 Rating, Deduct* | *-1,242.34* | |
| | | *For Class 54 Rating, Add* | *1,724.64* | |
| | | *For Class 55 Rating, Add* | *2,579.64* | |
| | | *For Class 56 Rating, Add* | *3,423.35* | |
| 40 05 19 00-0405 | EA | 30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,423.60 | 1,683.97 |
| | | *For Class 52 Rating, Deduct* | *-1,305.93* | |
| | | *For Class 54 Rating, Add* | *1,811.44* | |
| | | *For Class 55 Rating, Add* | *2,708.72* | |
| | | *For Class 56 Rating, Add* | *3,594.13* | |
| 40 05 19 00-0406 | EA | 30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,007.86 | 1,687.99 |
| | | *For Class 52 Rating, Deduct* | *-1,369.53* | |
| | | *For Class 54 Rating, Add* | *1,898.23* | |
| | | *For Class 55 Rating, Add* | *2,837.80* | |
| | | *For Class 56 Rating, Add* | *3,764.91* | |
| 40 05 19 00-0407 | EA | 30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,592.12 | 1,692.02 |
| | | *For Class 52 Rating, Deduct* | *-1,433.13* | |
| | | *For Class 54 Rating, Add* | *1,985.03* | |
| | | *For Class 55 Rating, Add* | *2,966.87* | |
| | | *For Class 56 Rating, Add* | *3,935.68* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0408 | EA | 30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,176.39 | 1,696.05 |
| | | *For Class 52 Rating, Deduct* | *-1,496.73* | |
| | | *For Class 54 Rating, Add* | *2,071.83* | |
| | | *For Class 55 Rating, Add* | *3,095.95* | |
| | | *For Class 56 Rating, Add* | *4,106.46* | |
| 40 05 19 00-0409 | EA | 30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,760.65 | 1,700.08 |
| | | *For Class 52 Rating, Deduct* | *-1,560.32* | |
| | | *For Class 54 Rating, Add* | *2,158.62* | |
| | | *For Class 55 Rating, Add* | *3,225.02* | |
| | | *For Class 56 Rating, Add* | *4,277.24* | |
| 40 05 19 00-0410 | EA | 30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,344.90 | 1,704.11 |
| | | *For Class 52 Rating, Deduct* | *-1,623.92* | |
| | | *For Class 54 Rating, Add* | *2,245.42* | |
| | | *For Class 55 Rating, Add* | *3,354.10* | |
| | | *For Class 56 Rating, Add* | *4,448.01* | |
| 40 05 19 00-0411 | EA | 30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,929.17 | 1,708.14 |
| | | *For Class 52 Rating, Deduct* | *-1,687.52* | |
| | | *For Class 54 Rating, Add* | *2,332.22* | |
| | | *For Class 55 Rating, Add* | *3,483.18* | |
| | | *For Class 56 Rating, Add* | *4,618.79* | |
| 40 05 19 00-0412 | EA | 30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,513.43 | 1,712.17 |
| | | *For Class 52 Rating, Deduct* | *-1,751.12* | |
| | | *For Class 54 Rating, Add* | *2,419.02* | |
| | | *For Class 55 Rating, Add* | *3,612.25* | |
| | | *For Class 56 Rating, Add* | *4,789.57* | |
| 40 05 19 00-0413 | EA | 30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,097.69 | 1,716.20 |
| | | *For Class 52 Rating, Deduct* | *-1,814.71* | |
| | | *For Class 54 Rating, Add* | *2,505.81* | |
| | | *For Class 55 Rating, Add* | *3,741.33* | |
| | | *For Class 56 Rating, Add* | *4,960.34* | |
| 40 05 19 00-0414 | EA | 30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,681.95 | 1,720.22 |
| | | *For Class 52 Rating, Deduct* | *-1,878.31* | |
| | | *For Class 54 Rating, Add* | *2,592.61* | |
| | | *For Class 55 Rating, Add* | *3,870.40* | |
| | | *For Class 56 Rating, Add* | *5,131.12* | |
| 40 05 19 00-0415 | EA | 30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,266.21 | 1,724.25 |
| | | *For Class 52 Rating, Deduct* | *-1,941.91* | |
| | | *For Class 54 Rating, Add* | *2,679.41* | |
| | | *For Class 55 Rating, Add* | *3,999.48* | |
| | | *For Class 56 Rating, Add* | *5,301.89* | |
| 40 05 19 00-0416 | EA | 30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,850.48 | 1,728.28 |
| | | *For Class 52 Rating, Deduct* | *-2,005.51* | |
| | | *For Class 54 Rating, Add* | *2,766.20* | |
| | | *For Class 55 Rating, Add* | *4,128.55* | |
| | | *For Class 56 Rating, Add* | *5,472.67* | |
| 40 05 19 00-0417 | EA | 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 21,434.75 | 1,732.31 |
| | | *For Class 52 Rating, Deduct* | *-2,069.10* | |
| | | *For Class 54 Rating, Add* | *2,853.00* | |
| | | *For Class 55 Rating, Add* | *4,257.63* | |
| | | *For Class 56 Rating, Add* | *5,643.45* | |
| 40 05 19 00-0418 | EA | 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,018.99 | 1,736.34 |
| | | *For Class 52 Rating, Deduct* | *-2,132.70* | |
| | | *For Class 54 Rating, Add* | *2,939.80* | |
| | | *For Class 55 Rating, Add* | *4,386.70* | |
| | | *For Class 56 Rating, Add* | *5,814.22* | |
| 40 05 19 00-0419 | EA | 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,603.26 | 1,740.37 |
| | | *For Class 52 Rating, Deduct* | *-2,196.30* | |
| | | *For Class 54 Rating, Add* | *3,026.59* | |
| | | *For Class 55 Rating, Add* | *4,515.78* | |
| | | *For Class 56 Rating, Add* | *5,985.00* | |
| 40 05 19 00-0420 | EA | 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 23,187.53 | 1,744.40 |
| | | *For Class 52 Rating, Deduct* | *-2,259.90* | |
| | | *For Class 54 Rating, Add* | *3,113.39* | |
| | | *For Class 55 Rating, Add* | *4,644.86* | |
| | | *For Class 56 Rating, Add* | *6,155.78* | |
| 40 05 19 00-0421 | EA | 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 23,771.79 | 1,748.43 |
| | | *For Class 52 Rating, Deduct* | *-2,323.49* | |
| | | *For Class 54 Rating, Add* | *3,200.19* | |
| | | *For Class 55 Rating, Add* | *4,773.93* | |
| | | *For Class 56 Rating, Add* | *6,326.55* | |
| 40 05 19 00-0422 | EA | 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,356.05 | 1,752.46 |
| | | *For Class 52 Rating, Deduct* | *-2,387.09* | |
| | | *For Class 54 Rating, Add* | *3,286.99* | |
| | | *For Class 55 Rating, Add* | *4,903.01* | |
| | | *For Class 56 Rating, Add* | *6,497.33* | |
| 40 05 19 00-0423 | EA | 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,937.97 | 1,756.48 |
| | | *For Class 52 Rating, Deduct* | *-2,450.43* | |
| | | *For Class 54 Rating, Add* | *3,373.43* | |
| | | *For Class 55 Rating, Add* | *5,031.56* | |
| | | *For Class 56 Rating, Add* | *6,667.41* | |
| 40 05 19 00-0424 | EA | 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 25,524.57 | 1,760.51 |
| | | *For Class 52 Rating, Deduct* | *-2,514.28* | |
| | | *For Class 54 Rating, Add* | *3,460.58* | |
| | | *For Class 55 Rating, Add* | *5,161.16* | |
| | | *For Class 56 Rating, Add* | *6,838.88* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0425 | EA | 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 26,108.84 | 1,764.54 |
| | | *For Class 52 Rating, Deduct* | *-2,577.88* | |
| | | *For Class 54 Rating, Add* | *3,547.38* | |
| | | *For Class 55 Rating, Add* | *5,290.23* | |
| | | *For Class 56 Rating, Add* | *7,009.66* | |
| 40 05 19 00-0426 | EA | 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 26,693.10 | 1,768.57 |
| | | *For Class 52 Rating, Deduct* | *-2,641.48* | |
| | | *For Class 54 Rating, Add* | *3,634.17* | |
| | | *For Class 55 Rating, Add* | *5,419.31* | |
| | | *For Class 56 Rating, Add* | *7,180.44* | |
| 40 05 19 00-0427 | EA | 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 27,277.35 | 1,772.59 |
| | | *For Class 52 Rating, Deduct* | *-2,705.08* | |
| | | *For Class 54 Rating, Add* | *3,720.97* | |
| | | *For Class 55 Rating, Add* | *5,548.38* | |
| | | *For Class 56 Rating, Add* | *7,351.21* | |
| 40 05 19 00-0428 | EA | 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 27,861.62 | 1,776.63 |
| | | *For Class 52 Rating, Deduct* | *-2,768.67* | |
| | | *For Class 54 Rating, Add* | *3,807.77* | |
| | | *For Class 55 Rating, Add* | *5,677.46* | |
| | | *For Class 56 Rating, Add* | *7,521.99* | |
| 40 05 19 00-0429 | EA | 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 28,445.88 | 1,780.66 |
| | | *For Class 52 Rating, Deduct* | *-2,832.27* | |
| | | *For Class 54 Rating, Add* | *3,894.56* | |
| | | *For Class 55 Rating, Add* | *5,806.54* | |
| | | *For Class 56 Rating, Add* | *7,692.76* | |
| 40 05 19 00-0430 | EA | 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 29,030.14 | 1,784.69 |
| | | *For Class 52 Rating, Deduct* | *-2,895.87* | |
| | | *For Class 54 Rating, Add* | *3,981.36* | |
| | | *For Class 55 Rating, Add* | *5,935.61* | |
| | | *For Class 56 Rating, Add* | *7,863.54* | |
| 40 05 19 00-0431 | EA | 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 29,614.41 | 1,788.71 |
| | | *For Class 52 Rating, Deduct* | *-2,959.47* | |
| | | *For Class 54 Rating, Add* | *4,068.16* | |
| | | *For Class 55 Rating, Add* | *6,064.69* | |
| | | *For Class 56 Rating, Add* | *8,034.32* | |
| 40 05 19 00-0432 | EA | 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 30,198.66 | 1,792.74 |
| | | *For Class 52 Rating, Deduct* | *-3,023.06* | |
| | | *For Class 54 Rating, Add* | *4,154.95* | |
| | | *For Class 55 Rating, Add* | *6,193.76* | |
| | | *For Class 56 Rating, Add* | *8,205.09* | |
| 40 05 19 00-0433 | EA | 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 30,782.93 | 1,796.77 |
| | | *For Class 52 Rating, Deduct* | *-3,086.66* | |
| | | *For Class 54 Rating, Add* | *4,241.75* | |
| | | *For Class 55 Rating, Add* | *6,322.84* | |
| | | *For Class 56 Rating, Add* | *8,375.87* | |
| 40 05 19 00-0434 | EA | 30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 31,367.19 | 1,800.80 |
| | | *For Class 52 Rating, Deduct* | *-3,150.26* | |
| | | *For Class 54 Rating, Add* | *4,328.55* | |
| | | *For Class 55 Rating, Add* | *6,451.92* | |
| | | *For Class 56 Rating, Add* | *8,546.64* | |
| 40 05 19 00-0435 | EA | 30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 31,951.45 | 1,804.82 |
| | | *For Class 52 Rating, Deduct* | *-3,213.86* | |
| | | *For Class 54 Rating, Add* | *4,415.35* | |
| | | *For Class 55 Rating, Add* | *6,580.99* | |
| | | *For Class 56 Rating, Add* | *8,717.42* | |
| 40 05 19 00-0436 | EA | 30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 32,535.71 | 1,808.85 |
| | | *For Class 52 Rating, Deduct* | *-3,277.45* | |
| | | *For Class 54 Rating, Add* | *4,502.14* | |
| | | *For Class 55 Rating, Add* | *6,710.07* | |
| | | *For Class 56 Rating, Add* | *8,888.20* | |

### 40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0438 | EA | 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,210.56 | 2,102.94 |
| | | *For Class 52 Rating, Deduct* | *-1,322.67* | |
| | | *For Class 54 Rating, Add* | *1,841.88* | |
| | | *For Class 55 Rating, Add* | *2,757.89* | |
| | | *For Class 56 Rating, Add* | *3,661.87* | |
| 40 05 19 00-0439 | EA | 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,003.14 | 2,106.97 |
| | | *For Class 52 Rating, Deduct* | *-1,409.18* | |
| | | *For Class 54 Rating, Add* | *1,959.92* | |
| | | *For Class 55 Rating, Add* | *2,933.42* | |
| | | *For Class 56 Rating, Add* | *3,894.10* | |
| 40 05 19 00-0440 | EA | 36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,795.73 | 2,111.00 |
| | | *For Class 52 Rating, Deduct* | *-1,495.70* | |
| | | *For Class 54 Rating, Add* | *2,077.97* | |
| | | *For Class 55 Rating, Add* | *3,108.95* | |
| | | *For Class 56 Rating, Add* | *4,126.33* | |
| 40 05 19 00-0441 | EA | 36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,588.31 | 2,115.04 |
| | | *For Class 52 Rating, Deduct* | *-1,582.21* | |
| | | *For Class 54 Rating, Add* | *2,196.01* | |
| | | *For Class 55 Rating, Add* | *3,284.48* | |
| | | *For Class 56 Rating, Add* | *4,358.56* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0442 | EA | 36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,380.91 | 2,119.06 |
| | | *For Class 52 Rating, Deduct* | *-1,668.72* | |
| | | *For Class 54 Rating, Add* | *2,314.06* | |
| | | *For Class 55 Rating, Add* | *3,460.01* | |
| | | *For Class 56 Rating, Add* | *4,590.80* | |
| 40 05 19 00-0443 | EA | 36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,173.49 | 2,123.09 |
| | | *For Class 52 Rating, Deduct* | *-1,755.24* | |
| | | *For Class 54 Rating, Add* | *2,432.11* | |
| | | *For Class 55 Rating, Add* | *3,635.55* | |
| | | *For Class 56 Rating, Add* | *4,823.03* | |
| 40 05 19 00-0444 | EA | 36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,966.07 | 2,127.12 |
| | | *For Class 52 Rating, Deduct* | *-1,841.75* | |
| | | *For Class 54 Rating, Add* | *2,550.15* | |
| | | *For Class 55 Rating, Add* | *3,811.08* | |
| | | *For Class 56 Rating, Add* | *5,055.26* | |
| 40 05 19 00-0445 | EA | 36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,758.66 | 2,131.15 |
| | | *For Class 52 Rating, Deduct* | *-1,928.26* | |
| | | *For Class 54 Rating, Add* | *2,668.20* | |
| | | *For Class 55 Rating, Add* | *3,986.61* | |
| | | *For Class 56 Rating, Add* | *5,287.49* | |
| 40 05 19 00-0446 | EA | 36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 21,551.25 | 2,135.17 |
| | | *For Class 52 Rating, Deduct* | *-2,014.77* | |
| | | *For Class 54 Rating, Add* | *2,786.24* | |
| | | *For Class 55 Rating, Add* | *4,162.14* | |
| | | *For Class 56 Rating, Add* | *5,519.72* | |
| 40 05 19 00-0447 | EA | 36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,343.83 | 2,139.20 |
| | | *For Class 52 Rating, Deduct* | *-2,101.29* | |
| | | *For Class 54 Rating, Add* | *2,904.29* | |
| | | *For Class 55 Rating, Add* | *4,337.67* | |
| | | *For Class 56 Rating, Add* | *5,751.96* | |
| 40 05 19 00-0448 | EA | 36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 23,136.42 | 2,143.23 |
| | | *For Class 52 Rating, Deduct* | *-2,187.80* | |
| | | *For Class 54 Rating, Add* | *3,022.33* | |
| | | *For Class 55 Rating, Add* | *4,513.20* | |
| | | *For Class 56 Rating, Add* | *5,984.19* | |
| 40 05 19 00-0449 | EA | 36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 23,929.00 | 2,147.26 |
| | | *For Class 52 Rating, Deduct* | *-2,274.31* | |
| | | *For Class 54 Rating, Add* | *3,140.38* | |
| | | *For Class 55 Rating, Add* | *4,688.74* | |
| | | *For Class 56 Rating, Add* | *6,216.42* | |
| 40 05 19 00-0450 | EA | 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,721.59 | 2,151.29 |
| | | *For Class 52 Rating, Deduct* | *-2,360.83* | |
| | | *For Class 54 Rating, Add* | *3,258.42* | |
| | | *For Class 55 Rating, Add* | *4,864.27* | |
| | | *For Class 56 Rating, Add* | *6,448.65* | |
| 40 05 19 00-0451 | EA | 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 25,514.17 | 2,155.32 |
| | | *For Class 52 Rating, Deduct* | *-2,447.34* | |
| | | *For Class 54 Rating, Add* | *3,376.47* | |
| | | *For Class 55 Rating, Add* | *5,039.80* | |
| | | *For Class 56 Rating, Add* | *6,680.88* | |
| 40 05 19 00-0452 | EA | 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 26,306.76 | 2,159.35 |
| | | *For Class 52 Rating, Deduct* | *-2,533.85* | |
| | | *For Class 54 Rating, Add* | *3,494.52* | |
| | | *For Class 55 Rating, Add* | *5,215.33* | |
| | | *For Class 56 Rating, Add* | *6,913.12* | |
| 40 05 19 00-0453 | EA | 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 27,099.35 | 2,163.38 |
| | | *For Class 52 Rating, Deduct* | *-2,620.37* | |
| | | *For Class 54 Rating, Add* | *3,612.56* | |
| | | *For Class 55 Rating, Add* | *5,390.86* | |
| | | *For Class 56 Rating, Add* | *7,145.35* | |
| 40 05 19 00-0454 | EA | 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 27,891.94 | 2,167.40 |
| | | *For Class 52 Rating, Deduct* | *-2,706.88* | |
| | | *For Class 54 Rating, Add* | *3,730.61* | |
| | | *For Class 55 Rating, Add* | *5,566.40* | |
| | | *For Class 56 Rating, Add* | *7,377.58* | |
| 40 05 19 00-0455 | EA | 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 28,684.51 | 2,171.43 |
| | | *For Class 52 Rating, Deduct* | *-2,793.39* | |
| | | *For Class 54 Rating, Add* | *3,848.65* | |
| | | *For Class 55 Rating, Add* | *5,741.93* | |
| | | *For Class 56 Rating, Add* | *7,609.81* | |
| 40 05 19 00-0456 | EA | 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 29,477.10 | 2,175.46 |
| | | *For Class 52 Rating, Deduct* | *-2,879.90* | |
| | | *For Class 54 Rating, Add* | *3,966.70* | |
| | | *For Class 55 Rating, Add* | *5,917.46* | |
| | | *For Class 56 Rating, Add* | *7,842.04* | |
| 40 05 19 00-0457 | EA | 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 30,269.70 | 2,179.49 |
| | | *For Class 52 Rating, Deduct* | *-2,966.42* | |
| | | *For Class 54 Rating, Add* | *4,084.74* | |
| | | *For Class 55 Rating, Add* | *6,092.99* | |
| | | *For Class 56 Rating, Add* | *8,074.28* | |
| 40 05 19 00-0458 | EA | 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 31,062.28 | 2,183.51 |
| | | *For Class 52 Rating, Deduct* | *-3,052.93* | |
| | | *For Class 54 Rating, Add* | *4,202.79* | |
| | | *For Class 55 Rating, Add* | *6,268.52* | |
| | | *For Class 56 Rating, Add* | *8,306.51* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0459 | EA | 36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 31,854.86 | 2,187.55 |
| | | *For Class 52 Rating, Deduct* | *-3,139.44* | |
| | | *For Class 54 Rating, Add* | *4,320.83* | |
| | | *For Class 55 Rating, Add* | *6,444.06* | |
| | | *For Class 56 Rating, Add* | *8,538.74* | |
| 40 05 19 00-0460 | EA | 36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 32,647.45 | 2,191.58 |
| | | *For Class 52 Rating, Deduct* | *-3,225.96* | |
| | | *For Class 54 Rating, Add* | *4,438.88* | |
| | | *For Class 55 Rating, Add* | *6,619.59* | |
| | | *For Class 56 Rating, Add* | *8,770.97* | |
| 40 05 19 00-0461 | EA | 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 33,440.03 | 2,195.61 |
| | | *For Class 52 Rating, Deduct* | *-3,312.47* | |
| | | *For Class 54 Rating, Add* | *4,556.92* | |
| | | *For Class 55 Rating, Add* | *6,795.12* | |
| | | *For Class 56 Rating, Add* | *9,003.20* | |
| 40 05 19 00-0462 | EA | 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 34,232.62 | 2,199.63 |
| | | *For Class 52 Rating, Deduct* | *-3,398.98* | |
| | | *For Class 54 Rating, Add* | *4,674.97* | |
| | | *For Class 55 Rating, Add* | *6,970.65* | |
| | | *For Class 56 Rating, Add* | *9,235.43* | |
| 40 05 19 00-0463 | EA | 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 35,025.21 | 2,203.66 |
| | | *For Class 52 Rating, Deduct* | *-3,485.50* | |
| | | *For Class 54 Rating, Add* | *4,793.02* | |
| | | *For Class 55 Rating, Add* | *7,146.18* | |
| | | *For Class 56 Rating, Add* | *9,467.67* | |
| 40 05 19 00-0464 | EA | 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 35,817.79 | 2,207.69 |
| | | *For Class 52 Rating, Deduct* | *-3,572.01* | |
| | | *For Class 54 Rating, Add* | *4,911.06* | |
| | | *For Class 55 Rating, Add* | *7,321.72* | |
| | | *For Class 56 Rating, Add* | *9,699.90* | |
| 40 05 19 00-0465 | EA | 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 36,610.38 | 2,211.72 |
| | | *For Class 52 Rating, Deduct* | *-3,658.52* | |
| | | *For Class 54 Rating, Add* | *5,029.11* | |
| | | *For Class 55 Rating, Add* | *7,497.25* | |
| | | *For Class 56 Rating, Add* | *9,932.13* | |
| 40 05 19 00-0466 | EA | 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 37,402.96 | 2,215.74 |
| | | *For Class 52 Rating, Deduct* | *-3,745.03* | |
| | | *For Class 54 Rating, Add* | *5,147.15* | |
| | | *For Class 55 Rating, Add* | *7,672.78* | |
| | | *For Class 56 Rating, Add* | *10,164.36* | |
| 40 05 19 00-0467 | EA | 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 38,195.54 | 2,219.77 |
| | | *For Class 52 Rating, Deduct* | *-3,831.55* | |
| | | *For Class 54 Rating, Add* | *5,265.20* | |
| | | *For Class 55 Rating, Add* | *7,848.31* | |
| | | *For Class 56 Rating, Add* | *10,396.59* | |
| 40 05 19 00-0468 | EA | 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 38,988.14 | 2,223.81 |
| | | *For Class 52 Rating, Deduct* | *-3,918.06* | |
| | | *For Class 54 Rating, Add* | *5,383.24* | |
| | | *For Class 55 Rating, Add* | *8,023.84* | |
| | | *For Class 56 Rating, Add* | *10,628.83* | |
| 40 05 19 00-0469 | EA | 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 39,780.72 | 2,227.84 |
| | | *For Class 52 Rating, Deduct* | *-4,004.57* | |
| | | *For Class 54 Rating, Add* | *5,501.29* | |
| | | *For Class 55 Rating, Add* | *8,199.38* | |
| | | *For Class 56 Rating, Add* | *10,861.06* | |
| 40 05 19 00-0470 | EA | 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 40,573.31 | 2,231.86 |
| | | *For Class 52 Rating, Deduct* | *-4,091.09* | |
| | | *For Class 54 Rating, Add* | *5,619.33* | |
| | | *For Class 55 Rating, Add* | *8,374.91* | |
| | | *For Class 56 Rating, Add* | *11,093.29* | |
| 40 05 19 00-0471 | EA | 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 41,365.89 | 2,235.89 |
| | | *For Class 52 Rating, Deduct* | *-4,177.60* | |
| | | *For Class 54 Rating, Add* | *5,737.38* | |
| | | *For Class 55 Rating, Add* | *8,550.44* | |
| | | *For Class 56 Rating, Add* | *11,325.52* | |
| 40 05 19 00-0472 | EA | 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 42,158.47 | 2,239.92 |
| | | *For Class 52 Rating, Deduct* | *-4,264.11* | |
| | | *For Class 54 Rating, Add* | *5,855.42* | |
| | | *For Class 55 Rating, Add* | *8,725.97* | |
| | | *For Class 56 Rating, Add* | *11,557.75* | |
| 40 05 19 00-0473 | EA | 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 42,951.07 | 2,243.95 |
| | | *For Class 52 Rating, Deduct* | *-4,350.63* | |
| | | *For Class 54 Rating, Add* | *5,973.47* | |
| | | *For Class 55 Rating, Add* | *8,901.50* | |
| | | *For Class 56 Rating, Add* | *11,789.99* | |
| 40 05 19 00-0474 | EA | 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 43,743.66 | 2,247.97 |
| | | *For Class 52 Rating, Deduct* | *-4,437.14* | |
| | | *For Class 54 Rating, Add* | *6,091.52* | |
| | | *For Class 55 Rating, Add* | *9,077.04* | |
| | | *For Class 56 Rating, Add* | *12,022.22* | |
| 40 05 19 00-0475 | EA | 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 44,536.23 | 2,252.00 |
| | | *For Class 52 Rating, Deduct* | *-4,523.65* | |
| | | *For Class 54 Rating, Add* | *6,209.56* | |
| | | *For Class 55 Rating, Add* | *9,252.57* | |
| | | *For Class 56 Rating, Add* | *12,254.45* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0476 | | 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)* | | |
| 40 05 19 00-0477 | EA | 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,057.37 | 2,650.84 |
| | | *For Class 52 Rating, Deduct* | *-1,764.50* | |
| | | *For Class 54 Rating, Add* | *2,454.34* | |
| | | *For Class 55 Rating, Add* | *3,673.53* | |
| | | *For Class 56 Rating, Add* | *4,876.67* | |
| 40 05 19 00-0478 | EA | 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 21,238.53 | 2,654.87 |
| | | *For Class 52 Rating, Deduct* | *-1,893.76* | |
| | | *For Class 54 Rating, Add* | *2,630.67* | |
| | | *For Class 55 Rating, Add* | *3,935.71* | |
| | | *For Class 56 Rating, Add* | *5,223.53* | |
| 40 05 19 00-0479 | EA | 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,405.62 | 2,658.89 |
| | | *For Class 52 Rating, Deduct* | *-2,021.47* | |
| | | *For Class 54 Rating, Add* | *2,804.89* | |
| | | *For Class 55 Rating, Add* | *4,194.76* | |
| | | *For Class 56 Rating, Add* | *5,566.24* | |
| 40 05 19 00-0480 | EA | 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 23,584.42 | 2,662.92 |
| | | *For Class 52 Rating, Deduct* | *-2,150.47* | |
| | | *For Class 54 Rating, Add* | *2,980.87* | |
| | | *For Class 55 Rating, Add* | *4,456.41* | |
| | | *For Class 56 Rating, Add* | *5,912.41* | |
| 40 05 19 00-0481 | EA | 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,751.53 | 2,666.95 |
| | | *For Class 52 Rating, Deduct* | *-2,278.18* | |
| | | *For Class 54 Rating, Add* | *3,155.09* | |
| | | *For Class 55 Rating, Add* | *4,715.46* | |
| | | *For Class 56 Rating, Add* | *6,255.12* | |
| 40 05 19 00-0482 | EA | 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 25,932.68 | 2,670.98 |
| | | *For Class 52 Rating, Deduct* | *-2,407.43* | |
| | | *For Class 54 Rating, Add* | *3,331.42* | |
| | | *For Class 55 Rating, Add* | *4,977.64* | |
| | | *For Class 56 Rating, Add* | *6,601.98* | |
| 40 05 19 00-0483 | EA | 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 27,097.43 | 2,675.02 |
| | | *For Class 52 Rating, Deduct* | *-2,534.88* | |
| | | *For Class 54 Rating, Add* | *3,505.29* | |
| | | *For Class 55 Rating, Add* | *5,236.17* | |
| | | *For Class 56 Rating, Add* | *6,944.00* | |
| 40 05 19 00-0484 | EA | 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 28,278.58 | 2,679.04 |
| | | *For Class 52 Rating, Deduct* | *-2,664.14* | |
| | | *For Class 54 Rating, Add* | *3,681.62* | |
| | | *For Class 55 Rating, Add* | *5,498.35* | |
| | | *For Class 56 Rating, Add* | *7,290.86* | |
| 40 05 19 00-0485 | EA | 42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 29,445.69 | 2,683.07 |
| | | *For Class 52 Rating, Deduct* | *-2,791.85* | |
| | | *For Class 54 Rating, Add* | *3,855.85* | |
| | | *For Class 55 Rating, Add* | *5,757.40* | |
| | | *For Class 56 Rating, Add* | *7,633.58* | |
| 40 05 19 00-0486 | EA | 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 30,624.49 | 2,687.10 |
| | | *For Class 52 Rating, Deduct* | *-2,920.84* | |
| | | *For Class 54 Rating, Add* | *4,031.83* | |
| | | *For Class 55 Rating, Add* | *6,019.06* | |
| | | *For Class 56 Rating, Add* | *7,979.74* | |
| 40 05 19 00-0487 | EA | 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 31,791.58 | 2,691.13 |
| | | *For Class 52 Rating, Deduct* | *-3,048.55* | |
| | | *For Class 54 Rating, Add* | *4,206.05* | |
| | | *For Class 55 Rating, Add* | *6,278.11* | |
| | | *For Class 56 Rating, Add* | *8,322.45* | |
| 40 05 19 00-0488 | EA | 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 32,970.40 | 2,695.15 |
| | | *For Class 52 Rating, Deduct* | *-3,177.55* | |
| | | *For Class 54 Rating, Add* | *4,382.03* | |
| | | *For Class 55 Rating, Add* | *6,539.77* | |
| | | *For Class 56 Rating, Add* | *8,668.62* | |
| 40 05 19 00-0489 | EA | 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 34,137.49 | 2,699.18 |
| | | *For Class 52 Rating, Deduct* | *-3,305.26* | |
| | | *For Class 54 Rating, Add* | *4,556.25* | |
| | | *For Class 55 Rating, Add* | *6,798.82* | |
| | | *For Class 56 Rating, Add* | *9,011.34* | |
| 40 05 19 00-0490 | EA | 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 35,306.94 | 2,703.21 |
| | | *For Class 52 Rating, Deduct* | *-3,433.23* | |
| | | *For Class 54 Rating, Add* | *4,730.82* | |
| | | *For Class 55 Rating, Add* | *7,058.39* | |
| | | *For Class 56 Rating, Add* | *9,354.74* | |
| 40 05 19 00-0491 | EA | 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 36,483.40 | 2,707.24 |
| | | *For Class 52 Rating, Deduct* | *-3,561.97* | |
| | | *For Class 54 Rating, Add* | *4,906.45* | |
| | | *For Class 55 Rating, Add* | *7,319.52* | |
| | | *For Class 56 Rating, Add* | *9,700.22* | |
| 40 05 19 00-0492 | EA | 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 37,650.50 | 2,711.27 |
| | | *For Class 52 Rating, Deduct* | *-3,689.68* | |
| | | *For Class 54 Rating, Add* | *5,080.67* | |
| | | *For Class 55 Rating, Add* | *7,578.57* | |
| | | *For Class 56 Rating, Add* | *10,042.93* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0493 | EA | 42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 38,831.65 | 2,715.30 |
| | | *For Class 52 Rating, Deduct* | *-3,818.93* | |
| | | *For Class 54 Rating, Add* | *5,257.00* | |
| | | *For Class 55 Rating, Add* | *7,840.75* | |
| | | *For Class 56 Rating, Add* | *10,389.79* | |
| 40 05 19 00-0494 | EA | 42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 39,998.76 | 2,719.33 |
| | | *For Class 52 Rating, Deduct* | *-3,946.64* | |
| | | *For Class 54 Rating, Add* | *5,431.23* | |
| | | *For Class 55 Rating, Add* | *8,099.80* | |
| | | *For Class 56 Rating, Add* | *10,732.50* | |
| 40 05 19 00-0495 | EA | 42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 41,177.55 | 2,723.36 |
| | | *For Class 52 Rating, Deduct* | *-4,075.64* | |
| | | *For Class 54 Rating, Add* | *5,607.20* | |
| | | *For Class 55 Rating, Add* | *8,361.46* | |
| | | *For Class 56 Rating, Add* | *11,078.67* | |
| 40 05 19 00-0496 | EA | 42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 42,344.65 | 2,727.38 |
| | | *For Class 52 Rating, Deduct* | *-4,203.35* | |
| | | *For Class 54 Rating, Add* | *5,781.43* | |
| | | *For Class 55 Rating, Add* | *8,620.51* | |
| | | *For Class 56 Rating, Add* | *11,421.38* | |
| 40 05 19 00-0497 | EA | 42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 43,525.80 | 2,731.41 |
| | | *For Class 52 Rating, Deduct* | *-4,332.60* | |
| | | *For Class 54 Rating, Add* | *5,957.76* | |
| | | *For Class 55 Rating, Add* | *8,882.69* | |
| | | *For Class 56 Rating, Add* | *11,768.24* | |
| 40 05 19 00-0498 | EA | 42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 44,692.90 | 2,735.44 |
| | | *For Class 52 Rating, Deduct* | *-4,460.31* | |
| | | *For Class 54 Rating, Add* | *6,131.98* | |
| | | *For Class 55 Rating, Add* | *9,141.74* | |
| | | *For Class 56 Rating, Add* | *12,110.95* | |
| 40 05 19 00-0499 | EA | 42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 45,871.70 | 2,739.47 |
| | | *For Class 52 Rating, Deduct* | *-4,589.31* | |
| | | *For Class 54 Rating, Add* | *6,307.96* | |
| | | *For Class 55 Rating, Add* | *9,403.40* | |
| | | *For Class 56 Rating, Add* | *12,457.12* | |
| 40 05 19 00-0500 | EA | 42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 47,038.80 | 2,743.49 |
| | | *For Class 52 Rating, Deduct* | *-4,717.02* | |
| | | *For Class 54 Rating, Add* | *6,482.18* | |
| | | *For Class 55 Rating, Add* | *9,662.45* | |
| | | *For Class 56 Rating, Add* | *12,799.83* | |
| 40 05 19 00-0501 | EA | 42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 48,219.95 | 2,747.53 |
| | | *For Class 52 Rating, Deduct* | *-4,846.27* | |
| | | *For Class 54 Rating, Add* | *6,658.51* | |
| | | *For Class 55 Rating, Add* | *9,924.63* | |
| | | *For Class 56 Rating, Add* | *13,146.69* | |
| 40 05 19 00-0502 | EA | 42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 49,387.06 | 2,751.56 |
| | | *For Class 52 Rating, Deduct* | *-4,973.98* | |
| | | *For Class 54 Rating, Add* | *6,832.73* | |
| | | *For Class 55 Rating, Add* | *10,183.68* | |
| | | *For Class 56 Rating, Add* | *13,489.40* | |
| 40 05 19 00-0503 | EA | 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 50,563.51 | 2,755.59 |
| | | *For Class 52 Rating, Deduct* | *-5,102.72* | |
| | | *For Class 54 Rating, Add* | *7,008.36* | |
| | | *For Class 55 Rating, Add* | *10,444.81* | |
| | | *For Class 56 Rating, Add* | *13,834.88* | |
| 40 05 19 00-0504 | EA | 42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 51,732.96 | 2,759.61 |
| | | *For Class 52 Rating, Deduct* | *-5,230.69* | |
| | | *For Class 54 Rating, Add* | *7,182.93* | |
| | | *For Class 55 Rating, Add* | *10,704.39* | |
| | | *For Class 56 Rating, Add* | *14,178.28* | |
| 40 05 19 00-0505 | EA | 42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 52,665.99 | 2,763.64 |
| | | *For Class 52 Rating, Deduct* | *-5,332.65* | |
| | | *For Class 54 Rating, Add* | *7,322.05* | |
| | | *For Class 55 Rating, Add* | *10,911.24* | |
| | | *For Class 56 Rating, Add* | *14,451.95* | |
| 40 05 19 00-0506 | EA | 42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 54,078.86 | 2,767.67 |
| | | *For Class 52 Rating, Deduct* | *-5,487.40* | |
| | | *For Class 54 Rating, Add* | *7,533.13* | |
| | | *For Class 55 Rating, Add* | *11,225.09* | |
| | | *For Class 56 Rating, Add* | *14,867.16* | |
| 40 05 19 00-0507 | EA | 42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 55,245.96 | 2,771.70 |
| | | *For Class 52 Rating, Deduct* | *-5,615.11* | |
| | | *For Class 54 Rating, Add* | *7,707.36* | |
| | | *For Class 55 Rating, Add* | *11,484.14* | |
| | | *For Class 56 Rating, Add* | *15,209.88* | |
| 40 05 19 00-0508 | EA | 42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 56,424.77 | 2,775.72 |
| | | *For Class 52 Rating, Deduct* | *-5,744.10* | |
| | | *For Class 54 Rating, Add* | *7,883.34* | |
| | | *For Class 55 Rating, Add* | *11,745.80* | |
| | | *For Class 56 Rating, Add* | *15,556.04* | |
| 40 05 19 00-0509 | EA | 42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 57,591.87 | 2,779.75 |
| | | *For Class 52 Rating, Deduct* | *-5,871.81* | |
| | | *For Class 54 Rating, Add* | *8,057.56* | |
| | | *For Class 55 Rating, Add* | *12,004.85* | |
| | | *For Class 56 Rating, Add* | *15,898.76* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0510 | EA | 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 58,773.02 | 2,783.78 |
| | | *For Class 52 Rating, Deduct* | *-6,001.07* | |
| | | *For Class 54 Rating, Add* | *8,233.89* | |
| | | *For Class 55 Rating, Add* | *12,267.03* | |
| | | *For Class 56 Rating, Add* | *16,245.62* | |
| 40 05 19 00-0511 | EA | 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 59,937.78 | 2,787.82 |
| | | *For Class 52 Rating, Deduct* | *-6,128.52* | |
| | | *For Class 54 Rating, Add* | *8,407.76* | |
| | | *For Class 55 Rating, Add* | *12,525.56* | |
| | | *For Class 56 Rating, Add* | *16,587.64* | |
| 40 05 19 00-0512 | EA | 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 61,118.92 | 2,791.84 |
| | | *For Class 52 Rating, Deduct* | *-6,257.77* | |
| | | *For Class 54 Rating, Add* | *8,584.09* | |
| | | *For Class 55 Rating, Add* | *12,787.74* | |
| | | *For Class 56 Rating, Add* | *16,934.50* | |
| 40 05 19 00-0513 | EA | 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 62,286.03 | 2,795.87 |
| | | *For Class 52 Rating, Deduct* | *-6,385.48* | |
| | | *For Class 54 Rating, Add* | *8,758.31* | |
| | | *For Class 55 Rating, Add* | *13,046.79* | |
| | | *For Class 56 Rating, Add* | *17,277.21* | |
| 40 05 19 00-0514 | EA | 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 63,464.83 | 2,799.90 |
| | | *For Class 52 Rating, Deduct* | *-6,514.48* | |
| | | *For Class 54 Rating, Add* | *8,934.29* | |
| | | *For Class 55 Rating, Add* | *13,308.45* | |
| | | *For Class 56 Rating, Add* | *17,623.38* | |

## 40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0516 | EA | 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 25,159.47 | 3,331.68 |
| | | *For Class 52 Rating, Deduct* | *-2,212.26* | |
| | | *For Class 54 Rating, Add* | *3,077.30* | |
| | | *For Class 55 Rating, Add* | *4,606.01* | |
| | | *For Class 56 Rating, Add* | *6,114.61* | |
| 40 05 19 00-0517 | EA | 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 26,876.63 | 3,335.70 |
| | | *For Class 52 Rating, Deduct* | *-2,400.48* | |
| | | *For Class 54 Rating, Add* | *3,334.03* | |
| | | *For Class 55 Rating, Add* | *4,987.72* | |
| | | *For Class 56 Rating, Add* | *6,619.59* | |
| 40 05 19 00-0518 | EA | 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 28,591.46 | 3,339.73 |
| | | *For Class 52 Rating, Deduct* | *-2,588.44* | |
| | | *For Class 54 Rating, Add* | *3,590.41* | |
| | | *For Class 55 Rating, Add* | *5,368.92* | |
| | | *For Class 56 Rating, Add* | *7,123.89* | |
| 40 05 19 00-0519 | EA | 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 30,320.34 | 3,343.76 |
| | | *For Class 52 Rating, Deduct* | *-2,777.94* | |
| | | *For Class 54 Rating, Add* | *3,848.90* | |
| | | *For Class 55 Rating, Add* | *5,753.24* | |
| | | *For Class 56 Rating, Add* | *7,632.33* | |
| 40 05 19 00-0520 | EA | 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 32,037.51 | 3,347.80 |
| | | *For Class 52 Rating, Deduct* | *-2,966.16* | |
| | | *For Class 54 Rating, Add* | *4,105.63* | |
| | | *For Class 55 Rating, Add* | *6,134.95* | |
| | | *For Class 56 Rating, Add* | *8,137.31* | |
| 40 05 19 00-0521 | EA | 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 33,754.67 | 3,351.82 |
| | | *For Class 52 Rating, Deduct* | *-3,154.38* | |
| | | *For Class 54 Rating, Add* | *4,362.37* | |
| | | *For Class 55 Rating, Add* | *6,516.67* | |
| | | *For Class 56 Rating, Add* | *8,642.29* | |
| 40 05 19 00-0522 | EA | 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 35,481.21 | 3,355.85 |
| | | *For Class 52 Rating, Deduct* | *-3,343.62* | |
| | | *For Class 54 Rating, Add* | *4,620.50* | |
| | | *For Class 55 Rating, Add* | *6,900.47* | |
| | | *For Class 56 Rating, Add* | *9,150.04* | |
| 40 05 19 00-0523 | EA | 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 37,200.73 | 3,359.88 |
| | | *For Class 52 Rating, Deduct* | *-3,532.10* | |
| | | *For Class 54 Rating, Add* | *4,877.59* | |
| | | *For Class 55 Rating, Add* | *7,282.71* | |
| | | *For Class 56 Rating, Add* | *9,655.72* | |
| 40 05 19 00-0524 | EA | 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 38,915.55 | 3,363.91 |
| | | *For Class 52 Rating, Deduct* | *-3,720.06* | |
| | | *For Class 54 Rating, Add* | *5,133.97* | |
| | | *For Class 55 Rating, Add* | *7,663.90* | |
| | | *For Class 56 Rating, Add* | *10,160.01* | |
| 40 05 19 00-0525 | EA | 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 40,644.42 | 3,367.93 |
| | | *For Class 52 Rating, Deduct* | *-3,909.56* | |
| | | *For Class 54 Rating, Add* | *5,392.46* | |
| | | *For Class 55 Rating, Add* | *8,048.22* | |
| | | *For Class 56 Rating, Add* | *10,668.45* | |
| 40 05 19 00-0526 | EA | 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 42,361.60 | 3,371.96 |
| | | *For Class 52 Rating, Deduct* | *-4,097.78* | |
| | | *For Class 54 Rating, Add* | *5,649.19* | |
| | | *For Class 55 Rating, Add* | *8,429.94* | |
| | | *For Class 56 Rating, Add* | *11,173.43* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0527 | EA | 48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 44,090.47 | 3,375.99 |
| | | *For Class 52 Rating, Deduct* | *-4,287.29* | |
| | | *For Class 54 Rating, Add* | *5,907.68* | |
| | | *For Class 55 Rating, Add* | *8,814.26* | |
| | | *For Class 56 Rating, Add* | *11,681.87* | |
| 40 05 19 00-0528 | EA | 48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 45,805.30 | 3,380.02 |
| | | *For Class 52 Rating, Deduct* | *-4,475.25* | |
| | | *For Class 54 Rating, Add* | *6,164.06* | |
| | | *For Class 55 Rating, Add* | *9,195.45* | |
| | | *For Class 56 Rating, Add* | *12,186.16* | |
| 40 05 19 00-0529 | EA | 48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 47,522.46 | 3,384.05 |
| | | *For Class 52 Rating, Deduct* | *-4,663.46* | |
| | | *For Class 54 Rating, Add* | *6,420.80* | |
| | | *For Class 55 Rating, Add* | *9,577.17* | |
| | | *For Class 56 Rating, Add* | *12,691.14* | |
| 40 05 19 00-0530 | EA | 48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 49,251.34 | 3,388.08 |
| | | *For Class 52 Rating, Deduct* | *-4,852.97* | |
| | | *For Class 54 Rating, Add* | *6,679.28* | |
| | | *For Class 55 Rating, Add* | *9,961.49* | |
| | | *For Class 56 Rating, Add* | *13,199.58* | |
| 40 05 19 00-0531 | EA | 48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 50,968.52 | 3,392.11 |
| | | *For Class 52 Rating, Deduct* | *-5,041.19* | |
| | | *For Class 54 Rating, Add* | *6,936.02* | |
| | | *For Class 55 Rating, Add* | *10,343.21* | |
| | | *For Class 56 Rating, Add* | *13,704.57* | |
| 40 05 19 00-0532 | EA | 48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 52,683.34 | 3,396.14 |
| | | *For Class 52 Rating, Deduct* | *-5,229.14* | |
| | | *For Class 54 Rating, Add* | *7,192.40* | |
| | | *For Class 55 Rating, Add* | *10,724.40* | |
| | | *For Class 56 Rating, Add* | *14,208.86* | |
| 40 05 19 00-0533 | EA | 48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 54,412.21 | 3,400.16 |
| | | *For Class 52 Rating, Deduct* | *-5,418.65* | |
| | | *For Class 54 Rating, Add* | *7,450.89* | |
| | | *For Class 55 Rating, Add* | *11,108.72* | |
| | | *For Class 56 Rating, Add* | *14,717.30* | |
| 40 05 19 00-0534 | EA | 48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 56,129.39 | 3,404.19 |
| | | *For Class 52 Rating, Deduct* | *-5,606.87* | |
| | | *For Class 54 Rating, Add* | *7,707.62* | |
| | | *For Class 55 Rating, Add* | *11,490.44* | |
| | | *For Class 56 Rating, Add* | *15,222.28* | |
| 40 05 19 00-0535 | EA | 48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 57,844.21 | 3,408.22 |
| | | *For Class 52 Rating, Deduct* | *-5,794.83* | |
| | | *For Class 54 Rating, Add* | *7,964.00* | |
| | | *For Class 55 Rating, Add* | *11,871.63* | |
| | | *For Class 56 Rating, Add* | *15,726.57* | |
| 40 05 19 00-0536 | EA | 48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 59,573.09 | 3,412.25 |
| | | *For Class 52 Rating, Deduct* | *-5,984.33* | |
| | | *For Class 54 Rating, Add* | *8,222.49* | |
| | | *For Class 55 Rating, Add* | *12,255.95* | |
| | | *For Class 56 Rating, Add* | *16,235.01* | |
| 40 05 19 00-0537 | EA | 48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 61,292.60 | 3,416.27 |
| | | *For Class 52 Rating, Deduct* | *-6,172.81* | |
| | | *For Class 54 Rating, Add* | *8,479.58* | |
| | | *For Class 55 Rating, Add* | *12,638.19* | |
| | | *For Class 56 Rating, Add* | *16,740.69* | |
| 40 05 19 00-0538 | EA | 48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 63,007.43 | 3,420.31 |
| | | *For Class 52 Rating, Deduct* | *-6,360.77* | |
| | | *For Class 54 Rating, Add* | *8,735.96* | |
| | | *For Class 55 Rating, Add* | *13,019.38* | |
| | | *For Class 56 Rating, Add* | *17,244.98* | |
| 40 05 19 00-0539 | EA | 48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 64,736.31 | 3,424.34 |
| | | *For Class 52 Rating, Deduct* | *-6,550.27* | |
| | | *For Class 54 Rating, Add* | *8,994.45* | |
| | | *For Class 55 Rating, Add* | *13,403.71* | |
| | | *For Class 56 Rating, Add* | *17,753.42* | |
| 40 05 19 00-0540 | EA | 48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 66,453.48 | 3,428.37 |
| | | *For Class 52 Rating, Deduct* | *-6,738.49* | |
| | | *For Class 54 Rating, Add* | *9,251.18* | |
| | | *For Class 55 Rating, Add* | *13,785.42* | |
| | | *For Class 56 Rating, Add* | *18,258.40* | |
| 40 05 19 00-0541 | EA | 48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 68,168.30 | 3,432.39 |
| | | *For Class 52 Rating, Deduct* | *-6,926.45* | |
| | | *For Class 54 Rating, Add* | *9,507.56* | |
| | | *For Class 55 Rating, Add* | *14,166.61* | |
| | | *For Class 56 Rating, Add* | *18,762.70* | |
| 40 05 19 00-0542 | EA | 48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 69,897.18 | 3,436.42 |
| | | *For Class 52 Rating, Deduct* | *-7,115.95* | |
| | | *For Class 54 Rating, Add* | *9,766.05* | |
| | | *For Class 55 Rating, Add* | *14,550.94* | |
| | | *For Class 56 Rating, Add* | *19,271.13* | |
| 40 05 19 00-0543 | EA | 48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 71,614.35 | 3,440.45 |
| | | *For Class 52 Rating, Deduct* | *-7,304.17* | |
| | | *For Class 54 Rating, Add* | *10,022.78* | |
| | | *For Class 55 Rating, Add* | *14,932.65* | |
| | | *For Class 56 Rating, Add* | *19,776.12* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0544 | EA | 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 73,120.86 | 3,444.48 |
| | | *For Class 52 Rating, Deduct* | *-7,469.21* | |
| | | *For Class 54 Rating, Add* | *10,247.92* | |
| | | *For Class 55 Rating, Add* | *15,267.39* | |
| | | *For Class 56 Rating, Add* | *20,218.96* | |
| 40 05 19 00-0545 | EA | 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 75,060.39 | 3,448.51 |
| | | *For Class 52 Rating, Deduct* | *-7,681.89* | |
| | | *For Class 54 Rating, Add* | *10,538.01* | |
| | | *For Class 55 Rating, Add* | *15,698.69* | |
| | | *For Class 56 Rating, Add* | *20,789.54* | |
| 40 05 19 00-0546 | EA | 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 76,775.22 | 3,452.53 |
| | | *For Class 52 Rating, Deduct* | *-7,869.85* | |
| | | *For Class 54 Rating, Add* | *10,794.39* | |
| | | *For Class 55 Rating, Add* | *16,079.88* | |
| | | *For Class 56 Rating, Add* | *21,293.83* | |
| 40 05 19 00-0547 | EA | 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 78,506.44 | 3,456.56 |
| | | *For Class 52 Rating, Deduct* | *-8,059.61* | |
| | | *For Class 54 Rating, Add* | *11,053.23* | |
| | | *For Class 55 Rating, Add* | *16,464.73* | |
| | | *For Class 56 Rating, Add* | *21,802.96* | |
| 40 05 19 00-0548 | EA | 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 80,221.27 | 3,460.60 |
| | | *For Class 52 Rating, Deduct* | *-8,247.57* | |
| | | *For Class 54 Rating, Add* | *11,309.61* | |
| | | *For Class 55 Rating, Add* | *16,845.92* | |
| | | *For Class 56 Rating, Add* | *22,307.25* | |
| 40 05 19 00-0549 | EA | 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 81,936.09 | 3,464.63 |
| | | *For Class 52 Rating, Deduct* | *-8,435.53* | |
| | | *For Class 54 Rating, Add* | *11,565.99* | |
| | | *For Class 55 Rating, Add* | *17,227.11* | |
| | | *For Class 56 Rating, Add* | *22,811.55* | |
| 40 05 19 00-0550 | EA | 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 83,667.31 | 3,468.65 |
| | | *For Class 52 Rating, Deduct* | *-8,625.30* | |
| | | *For Class 54 Rating, Add* | *11,824.83* | |
| | | *For Class 55 Rating, Add* | *17,611.96* | |
| | | *For Class 56 Rating, Add* | *23,320.67* | |
| 40 05 19 00-0551 | EA | 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 85,382.14 | 3,472.68 |
| | | *For Class 52 Rating, Deduct* | *-8,813.26* | |
| | | *For Class 54 Rating, Add* | *12,081.21* | |
| | | *For Class 55 Rating, Add* | *17,993.15* | |
| | | *For Class 56 Rating, Add* | *23,824.97* | |
| 40 05 19 00-0552 | EA | 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 87,099.31 | 3,476.71 |
| | | *For Class 52 Rating, Deduct* | *-9,001.47* | |
| | | *For Class 54 Rating, Add* | *12,337.95* | |
| | | *For Class 55 Rating, Add* | *18,374.87* | |
| | | *For Class 56 Rating, Add* | *24,329.95* | |
| 40 05 19 00-0553 | EA | 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 88,828.18 | 3,480.74 |
| | | *For Class 52 Rating, Deduct* | *-9,190.98* | |
| | | *For Class 54 Rating, Add* | *12,596.44* | |
| | | *For Class 55 Rating, Add* | *18,759.19* | |
| | | *For Class 56 Rating, Add* | *24,838.39* | |

40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0556 | EA | 4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 677.24 | 184.35 |
| | | *For Class 52 Rating, Deduct* | *-43.77* | |
| | | *For Class 54 Rating, Add* | *63.04* | |
| | | *For Class 55 Rating, Add* | *95.44* | |
| | | *For Class 56 Rating, Add* | *127.44* | |
| 40 05 19 00-0557 | EA | 4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 742.98 | 187.58 |
| | | *For Class 52 Rating, Deduct* | *-50.47* | |
| | | *For Class 54 Rating, Add* | *72.23* | |
| | | *For Class 55 Rating, Add* | *109.13* | |
| | | *For Class 56 Rating, Add* | *145.57* | |
| 40 05 19 00-0558 | EA | 4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 808.72 | 190.80 |
| | | *For Class 52 Rating, Deduct* | *-57.16* | |
| | | *For Class 54 Rating, Add* | *81.41* | |
| | | *For Class 55 Rating, Add* | *122.82* | |
| | | *For Class 56 Rating, Add* | *163.70* | |
| 40 05 19 00-0559 | EA | 4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 874.47 | 194.02 |
| | | *For Class 52 Rating, Deduct* | *-63.86* | |
| | | *For Class 54 Rating, Add* | *90.60* | |
| | | *For Class 55 Rating, Add* | *136.51* | |
| | | *For Class 56 Rating, Add* | *181.83* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0560 | EA | 4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 940.21 | 197.24 |
| | | *For Class 52 Rating, Deduct* | *-70.55* | |
| | | *For Class 54 Rating, Add* | *99.79* | |
| | | *For Class 55 Rating, Add* | *150.20* | |
| | | *For Class 56 Rating, Add* | *199.96* | |
| 40 05 19 00-0561 | EA | 4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,005.96 | 200.47 |
| | | *For Class 52 Rating, Deduct* | *-77.24* | |
| | | *For Class 54 Rating, Add* | *108.98* | |
| | | *For Class 55 Rating, Add* | *163.88* | |
| | | *For Class 56 Rating, Add* | *218.09* | |
| 40 05 19 00-0562 | EA | 4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,071.69 | 203.69 |
| | | *For Class 52 Rating, Deduct* | *-83.94* | |
| | | *For Class 54 Rating, Add* | *118.16* | |
| | | *For Class 55 Rating, Add* | *177.57* | |
| | | *For Class 56 Rating, Add* | *236.22* | |
| 40 05 19 00-0563 | EA | 4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,137.44 | 206.91 |
| | | *For Class 52 Rating, Deduct* | *-90.63* | |
| | | *For Class 54 Rating, Add* | *127.35* | |
| | | *For Class 55 Rating, Add* | *191.26* | |
| | | *For Class 56 Rating, Add* | *254.35* | |
| 40 05 19 00-0564 | EA | 4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,203.17 | 210.14 |
| | | *For Class 52 Rating, Deduct* | *-97.33* | |
| | | *For Class 54 Rating, Add* | *136.54* | |
| | | *For Class 55 Rating, Add* | *204.95* | |
| | | *For Class 56 Rating, Add* | *272.47* | |
| 40 05 19 00-0565 | EA | 4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,268.91 | 213.35 |
| | | *For Class 52 Rating, Deduct* | *-104.02* | |
| | | *For Class 54 Rating, Add* | *145.73* | |
| | | *For Class 55 Rating, Add* | *218.64* | |
| | | *For Class 56 Rating, Add* | *290.60* | |
| 40 05 19 00-0566 | EA | 4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,334.66 | 216.58 |
| | | *For Class 52 Rating, Deduct* | *-110.72* | |
| | | *For Class 54 Rating, Add* | *154.91* | |
| | | *For Class 55 Rating, Add* | *232.33* | |
| | | *For Class 56 Rating, Add* | *308.73* | |
| 40 05 19 00-0567 | EA | 4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,400.40 | 219.81 |
| | | *For Class 52 Rating, Deduct* | *-117.41* | |
| | | *For Class 54 Rating, Add* | *164.10* | |
| | | *For Class 55 Rating, Add* | *246.02* | |
| | | *For Class 56 Rating, Add* | *326.86* | |
| 40 05 19 00-0568 | EA | 4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,466.14 | 223.03 |
| | | *For Class 52 Rating, Deduct* | *-124.11* | |
| | | *For Class 54 Rating, Add* | *173.29* | |
| | | *For Class 55 Rating, Add* | *259.71* | |
| | | *For Class 56 Rating, Add* | *344.99* | |
| 40 05 19 00-0569 | EA | 4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,531.89 | 226.25 |
| | | *For Class 52 Rating, Deduct* | *-130.80* | |
| | | *For Class 54 Rating, Add* | *182.48* | |
| | | *For Class 55 Rating, Add* | *273.39* | |
| | | *For Class 56 Rating, Add* | *363.12* | |
| 40 05 19 00-0570 | EA | 4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,597.62 | 229.47 |
| | | *For Class 52 Rating, Deduct* | *-137.49* | |
| | | *For Class 54 Rating, Add* | *191.66* | |
| | | *For Class 55 Rating, Add* | *287.08* | |
| | | *For Class 56 Rating, Add* | *381.25* | |
| 40 05 19 00-0571 | EA | 4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,663.37 | 232.70 |
| | | *For Class 52 Rating, Deduct* | *-144.19* | |
| | | *For Class 54 Rating, Add* | *200.85* | |
| | | *For Class 55 Rating, Add* | *300.77* | |
| | | *For Class 56 Rating, Add* | *399.38* | |
| 40 05 19 00-0572 | EA | 4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,729.11 | 235.92 |
| | | *For Class 52 Rating, Deduct* | *-150.88* | |
| | | *For Class 54 Rating, Add* | *210.04* | |
| | | *For Class 55 Rating, Add* | *314.46* | |
| | | *For Class 56 Rating, Add* | *417.51* | |
| 40 05 19 00-0573 | EA | 4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,794.86 | 239.14 |
| | | *For Class 52 Rating, Deduct* | *-157.58* | |
| | | *For Class 54 Rating, Add* | *219.23* | |
| | | *For Class 55 Rating, Add* | *328.15* | |
| | | *For Class 56 Rating, Add* | *435.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0574 | EA | 4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,860.60 | 242.37 |
| | | *For Class 52 Rating, Deduct* | *-164.27* | |
| | | *For Class 54 Rating, Add* | *228.41* | |
| | | *For Class 55 Rating, Add* | *341.84* | |
| | | *For Class 56 Rating, Add* | *453.77* | |
| 40 05 19 00-0575 | EA | 4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,926.34 | 245.58 |
| | | *For Class 52 Rating, Deduct* | *-170.97* | |
| | | *For Class 54 Rating, Add* | *237.60* | |
| | | *For Class 55 Rating, Add* | *355.53* | |
| | | *For Class 56 Rating, Add* | *471.90* | |
| 40 05 19 00-0576 | EA | 4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,992.09 | 248.81 |
| | | *For Class 52 Rating, Deduct* | *-177.66* | |
| | | *For Class 54 Rating, Add* | *246.79* | |
| | | *For Class 55 Rating, Add* | *369.22* | |
| | | *For Class 56 Rating, Add* | *490.03* | |
| 40 05 19 00-0577 | EA | 4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,057.82 | 252.04 |
| | | *For Class 52 Rating, Deduct* | *-184.36* | |
| | | *For Class 54 Rating, Add* | *255.98* | |
| | | *For Class 55 Rating, Add* | *382.90* | |
| | | *For Class 56 Rating, Add* | *508.16* | |
| 40 05 19 00-0578 | EA | 4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,123.56 | 255.25 |
| | | *For Class 52 Rating, Deduct* | *-191.05* | |
| | | *For Class 54 Rating, Add* | *265.16* | |
| | | *For Class 55 Rating, Add* | *396.59* | |
| | | *For Class 56 Rating, Add* | *526.28* | |
| 40 05 19 00-0579 | EA | 4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,189.30 | 258.48 |
| | | *For Class 52 Rating, Deduct* | *-197.74* | |
| | | *For Class 54 Rating, Add* | *274.35* | |
| | | *For Class 55 Rating, Add* | *410.28* | |
| | | *For Class 56 Rating, Add* | *544.41* | |
| 40 05 19 00-0580 | EA | 4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,255.04 | 261.70 |
| | | *For Class 52 Rating, Deduct* | *-204.44* | |
| | | *For Class 54 Rating, Add* | *283.54* | |
| | | *For Class 55 Rating, Add* | *423.97* | |
| | | *For Class 56 Rating, Add* | *562.54* | |
| 40 05 19 00-0581 | EA | 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,320.79 | 264.92 |
| | | *For Class 52 Rating, Deduct* | *-211.13* | |
| | | *For Class 54 Rating, Add* | *292.73* | |
| | | *For Class 55 Rating, Add* | *437.66* | |
| | | *For Class 56 Rating, Add* | *580.67* | |
| 40 05 19 00-0582 | EA | 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,386.53 | 268.15 |
| | | *For Class 52 Rating, Deduct* | *-217.83* | |
| | | *For Class 54 Rating, Add* | *301.91* | |
| | | *For Class 55 Rating, Add* | *451.35* | |
| | | *For Class 56 Rating, Add* | *598.80* | |
| 40 05 19 00-0583 | EA | 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,452.28 | 271.37 |
| | | *For Class 52 Rating, Deduct* | *-224.52* | |
| | | *For Class 54 Rating, Add* | *311.10* | |
| | | *For Class 55 Rating, Add* | *465.04* | |
| | | *For Class 56 Rating, Add* | *616.93* | |
| 40 05 19 00-0584 | EA | 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,518.02 | 274.59 |
| | | *For Class 52 Rating, Deduct* | *-231.22* | |
| | | *For Class 54 Rating, Add* | *320.29* | |
| | | *For Class 55 Rating, Add* | *478.72* | |
| | | *For Class 56 Rating, Add* | *635.06* | |
| 40 05 19 00-0585 | EA | 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,583.76 | 277.82 |
| | | *For Class 52 Rating, Deduct* | *-237.91* | |
| | | *For Class 54 Rating, Add* | *329.48* | |
| | | *For Class 55 Rating, Add* | *492.41* | |
| | | *For Class 56 Rating, Add* | *653.19* | |
| 40 05 19 00-0586 | EA | 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,649.50 | 281.04 |
| | | *For Class 52 Rating, Deduct* | *-244.60* | |
| | | *For Class 54 Rating, Add* | *338.66* | |
| | | *For Class 55 Rating, Add* | *506.10* | |
| | | *For Class 56 Rating, Add* | *671.32* | |
| 40 05 19 00-0587 | EA | 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,715.24 | 284.27 |
| | | *For Class 52 Rating, Deduct* | *-251.30* | |
| | | *For Class 54 Rating, Add* | *347.85* | |
| | | *For Class 55 Rating, Add* | *519.79* | |
| | | *For Class 56 Rating, Add* | *689.44* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0588 | EA | 4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,780.99 | 287.48 |
| | | *For Class 52 Rating, Deduct* | *-257.99* | |
| | | *For Class 54 Rating, Add* | *357.04* | |
| | | *For Class 55 Rating, Add* | *533.48* | |
| | | *For Class 56 Rating, Add* | *707.57* | |
| 40 05 19 00-0589 | EA | 4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,846.72 | 290.71 |
| | | *For Class 52 Rating, Deduct* | *-264.69* | |
| | | *For Class 54 Rating, Add* | *366.22* | |
| | | *For Class 55 Rating, Add* | *547.17* | |
| | | *For Class 56 Rating, Add* | *725.70* | |
| 40 05 19 00-0590 | EA | 4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,912.46 | 293.94 |
| | | *For Class 52 Rating, Deduct* | *-271.38* | |
| | | *For Class 54 Rating, Add* | *375.41* | |
| | | *For Class 55 Rating, Add* | *560.86* | |
| | | *For Class 56 Rating, Add* | *743.83* | |
| 40 05 19 00-0591 | EA | 4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,978.21 | 297.15 |
| | | *For Class 52 Rating, Deduct* | *-278.08* | |
| | | *For Class 54 Rating, Add* | *384.60* | |
| | | *For Class 55 Rating, Add* | *574.55* | |
| | | *For Class 56 Rating, Add* | *761.96* | |
| 40 05 19 00-0592 | EA | 4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,043.95 | 300.38 |
| | | *For Class 52 Rating, Deduct* | *-284.77* | |
| | | *For Class 54 Rating, Add* | *393.79* | |
| | | *For Class 55 Rating, Add* | *588.23* | |
| | | *For Class 56 Rating, Add* | *780.09* | |
| 40 05 19 00-0593 | EA | 4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,109.70 | 303.60 |
| | | *For Class 52 Rating, Deduct* | *-291.47* | |
| | | *For Class 54 Rating, Add* | *402.98* | |
| | | *For Class 55 Rating, Add* | *601.92* | |
| | | *For Class 56 Rating, Add* | *798.22* | |
| 40 05 19 00-0594 | EA | 4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,175.43 | 306.82 |
| | | *For Class 52 Rating, Deduct* | *-298.16* | |
| | | *For Class 54 Rating, Add* | *412.16* | |
| | | *For Class 55 Rating, Add* | *615.61* | |
| | | *For Class 56 Rating, Add* | *816.35* | |

### 40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0596 | EA | 6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 845.48 | 232.05 |
| | | *For Class 52 Rating, Deduct* | *-54.33* | |
| | | *For Class 54 Rating, Add* | *78.30* | |
| | | *For Class 55 Rating, Add* | *118.58* | |
| | | *For Class 56 Rating, Add* | *158.35* | |
| 40 05 19 00-0597 | EA | 6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 925.27 | 235.27 |
| | | *For Class 52 Rating, Deduct* | *-62.57* | |
| | | *For Class 54 Rating, Add* | *89.60* | |
| | | *For Class 55 Rating, Add* | *135.40* | |
| | | *For Class 56 Rating, Add* | *180.63* | |
| 40 05 19 00-0598 | EA | 6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,005.06 | 238.50 |
| | | *For Class 52 Rating, Deduct* | *-70.81* | |
| | | *For Class 54 Rating, Add* | *100.89* | |
| | | *For Class 55 Rating, Add* | *152.22* | |
| | | *For Class 56 Rating, Add* | *202.90* | |
| 40 05 19 00-0599 | EA | 6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,084.84 | 241.71 |
| | | *For Class 52 Rating, Deduct* | *-79.05* | |
| | | *For Class 54 Rating, Add* | *112.18* | |
| | | *For Class 55 Rating, Add* | *169.04* | |
| | | *For Class 56 Rating, Add* | *225.17* | |
| 40 05 19 00-0600 | EA | 6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,164.62 | 244.94 |
| | | *For Class 52 Rating, Deduct* | *-87.29* | |
| | | *For Class 54 Rating, Add* | *123.48* | |
| | | *For Class 55 Rating, Add* | *185.86* | |
| | | *For Class 56 Rating, Add* | *247.44* | |
| 40 05 19 00-0601 | EA | 6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,244.42 | 248.17 |
| | | *For Class 52 Rating, Deduct* | *-95.53* | |
| | | *For Class 54 Rating, Add* | *134.77* | |
| | | *For Class 55 Rating, Add* | *202.68* | |
| | | *For Class 56 Rating, Add* | *269.72* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0602 | EA | 6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,324.20 | 251.39 |
| | | *For Class 52 Rating, Deduct* | *-103.76* | |
| | | *For Class 54 Rating, Add* | *146.07* | |
| | | *For Class 55 Rating, Add* | *219.50* | |
| | | *For Class 56 Rating, Add* | *291.99* | |
| 40 05 19 00-0603 | EA | 6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,403.99 | 254.61 |
| | | *For Class 52 Rating, Deduct* | *-112.00* | |
| | | *For Class 54 Rating, Add* | *157.36* | |
| | | *For Class 55 Rating, Add* | *236.32* | |
| | | *For Class 56 Rating, Add* | *314.26* | |
| 40 05 19 00-0604 | EA | 6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,483.77 | 257.83 |
| | | *For Class 52 Rating, Deduct* | *-120.24* | |
| | | *For Class 54 Rating, Add* | *168.66* | |
| | | *For Class 55 Rating, Add* | *253.14* | |
| | | *For Class 56 Rating, Add* | *336.53* | |
| 40 05 19 00-0605 | EA | 6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,563.55 | 261.06 |
| | | *For Class 52 Rating, Deduct* | *-128.48* | |
| | | *For Class 54 Rating, Add* | *179.95* | |
| | | *For Class 55 Rating, Add* | *269.96* | |
| | | *For Class 56 Rating, Add* | *358.80* | |
| 40 05 19 00-0606 | EA | 6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,643.34 | 264.28 |
| | | *For Class 52 Rating, Deduct* | *-136.72* | |
| | | *For Class 54 Rating, Add* | *191.24* | |
| | | *For Class 55 Rating, Add* | *286.78* | |
| | | *For Class 56 Rating, Add* | *381.08* | |
| 40 05 19 00-0607 | EA | 6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,723.13 | 267.50 |
| | | *For Class 52 Rating, Deduct* | *-144.96* | |
| | | *For Class 54 Rating, Add* | *202.54* | |
| | | *For Class 55 Rating, Add* | *303.60* | |
| | | *For Class 56 Rating, Add* | *403.35* | |
| 40 05 19 00-0608 | EA | 6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,802.92 | 270.73 |
| | | *For Class 52 Rating, Deduct* | *-153.20* | |
| | | *For Class 54 Rating, Add* | *213.83* | |
| | | *For Class 55 Rating, Add* | *320.42* | |
| | | *For Class 56 Rating, Add* | *425.62* | |
| 40 05 19 00-0609 | EA | 6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,882.70 | 273.94 |
| | | *For Class 52 Rating, Deduct* | *-161.44* | |
| | | *For Class 54 Rating, Add* | *225.13* | |
| | | *For Class 55 Rating, Add* | *337.24* | |
| | | *For Class 56 Rating, Add* | *447.89* | |
| 40 05 19 00-0610 | EA | 6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,962.48 | 277.17 |
| | | *For Class 52 Rating, Deduct* | *-169.68* | |
| | | *For Class 54 Rating, Add* | *236.42* | |
| | | *For Class 55 Rating, Add* | *354.06* | |
| | | *For Class 56 Rating, Add* | *470.16* | |
| 40 05 19 00-0611 | EA | 6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,042.28 | 280.40 |
| | | *For Class 52 Rating, Deduct* | *-177.92* | |
| | | *For Class 54 Rating, Add* | *247.71* | |
| | | *For Class 55 Rating, Add* | *370.89* | |
| | | *For Class 56 Rating, Add* | *492.44* | |
| 40 05 19 00-0612 | EA | 6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,122.06 | 283.61 |
| | | *For Class 52 Rating, Deduct* | *-186.16* | |
| | | *For Class 54 Rating, Add* | *259.01* | |
| | | *For Class 55 Rating, Add* | *387.71* | |
| | | *For Class 56 Rating, Add* | *514.71* | |
| 40 05 19 00-0613 | EA | 6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,201.85 | 286.84 |
| | | *For Class 52 Rating, Deduct* | *-194.40* | |
| | | *For Class 54 Rating, Add* | *270.30* | |
| | | *For Class 55 Rating, Add* | *404.53* | |
| | | *For Class 56 Rating, Add* | *536.98* | |
| 40 05 19 00-0614 | EA | 6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,281.64 | 290.06 |
| | | *For Class 52 Rating, Deduct* | *-202.64* | |
| | | *For Class 54 Rating, Add* | *281.60* | |
| | | *For Class 55 Rating, Add* | *421.35* | |
| | | *For Class 56 Rating, Add* | *559.26* | |
| 40 05 19 00-0615 | EA | 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,361.42 | 293.28 |
| | | *For Class 52 Rating, Deduct* | *-210.88* | |
| | | *For Class 54 Rating, Add* | *292.89* | |
| | | *For Class 55 Rating, Add* | *438.17* | |
| | | *For Class 56 Rating, Add* | *581.53* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0616 | EA | 6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,441.20 | 296.51 |
| | | *For Class 52 Rating, Deduct* | *-219.11* | |
| | | *For Class 54 Rating, Add* | *304.18* | |
| | | *For Class 55 Rating, Add* | *454.99* | |
| | | *For Class 56 Rating, Add* | *603.80* | |
| 40 05 19 00-0617 | EA | 6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,520.99 | 299.73 |
| | | *For Class 52 Rating, Deduct* | *-227.35* | |
| | | *For Class 54 Rating, Add* | *315.48* | |
| | | *For Class 55 Rating, Add* | *471.81* | |
| | | *For Class 56 Rating, Add* | *626.07* | |
| 40 05 19 00-0618 | EA | 6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,600.78 | 302.96 |
| | | *For Class 52 Rating, Deduct* | *-235.59* | |
| | | *For Class 54 Rating, Add* | *326.77* | |
| | | *For Class 55 Rating, Add* | *488.63* | |
| | | *For Class 56 Rating, Add* | *648.34* | |
| 40 05 19 00-0619 | EA | 6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,680.56 | 306.17 |
| | | *For Class 52 Rating, Deduct* | *-243.83* | |
| | | *For Class 54 Rating, Add* | *338.07* | |
| | | *For Class 55 Rating, Add* | *505.45* | |
| | | *For Class 56 Rating, Add* | *670.62* | |
| 40 05 19 00-0620 | EA | 6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,760.34 | 309.40 |
| | | *For Class 52 Rating, Deduct* | *-252.07* | |
| | | *For Class 54 Rating, Add* | *349.36* | |
| | | *For Class 55 Rating, Add* | *522.27* | |
| | | *For Class 56 Rating, Add* | *692.89* | |
| 40 05 19 00-0621 | EA | 6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,840.14 | 312.63 |
| | | *For Class 52 Rating, Deduct* | *-260.31* | |
| | | *For Class 54 Rating, Add* | *360.65* | |
| | | *For Class 55 Rating, Add* | *539.09* | |
| | | *For Class 56 Rating, Add* | *715.16* | |
| 40 05 19 00-0622 | EA | 6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,919.92 | 315.84 |
| | | *For Class 52 Rating, Deduct* | *-268.55* | |
| | | *For Class 54 Rating, Add* | *371.95* | |
| | | *For Class 55 Rating, Add* | *555.91* | |
| | | *For Class 56 Rating, Add* | *737.43* | |
| 40 05 19 00-0623 | EA | 6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,999.71 | 319.07 |
| | | *For Class 52 Rating, Deduct* | *-276.79* | |
| | | *For Class 54 Rating, Add* | *383.24* | |
| | | *For Class 55 Rating, Add* | *572.73* | |
| | | *For Class 56 Rating, Add* | *759.70* | |
| 40 05 19 00-0624 | EA | 6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,079.50 | 322.29 |
| | | *For Class 52 Rating, Deduct* | *-285.03* | |
| | | *For Class 54 Rating, Add* | *394.54* | |
| | | *For Class 55 Rating, Add* | *589.55* | |
| | | *For Class 56 Rating, Add* | *781.98* | |
| 40 05 19 00-0625 | EA | 6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,159.28 | 325.51 |
| | | *For Class 52 Rating, Deduct* | *-293.27* | |
| | | *For Class 54 Rating, Add* | *405.83* | |
| | | *For Class 55 Rating, Add* | *606.37* | |
| | | *For Class 56 Rating, Add* | *804.25* | |
| 40 05 19 00-0626 | EA | 6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,239.07 | 328.74 |
| | | *For Class 52 Rating, Deduct* | *-301.51* | |
| | | *For Class 54 Rating, Add* | *417.12* | |
| | | *For Class 55 Rating, Add* | *623.19* | |
| | | *For Class 56 Rating, Add* | *826.52* | |
| 40 05 19 00-0627 | EA | 6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,318.86 | 331.96 |
| | | *For Class 52 Rating, Deduct* | *-309.75* | |
| | | *For Class 54 Rating, Add* | *428.42* | |
| | | *For Class 55 Rating, Add* | *640.01* | |
| | | *For Class 56 Rating, Add* | *848.79* | |
| 40 05 19 00-0628 | EA | 6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,398.65 | 335.18 |
| | | *For Class 52 Rating, Deduct* | *-317.99* | |
| | | *For Class 54 Rating, Add* | *439.71* | |
| | | *For Class 55 Rating, Add* | *656.83* | |
| | | *For Class 56 Rating, Add* | *871.07* | |
| 40 05 19 00-0629 | EA | 6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,478.42 | 338.40 |
| | | *For Class 52 Rating, Deduct* | *-326.23* | |
| | | *For Class 54 Rating, Add* | *451.01* | |
| | | *For Class 55 Rating, Add* | *673.65* | |
| | | *For Class 56 Rating, Add* | *893.34* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0630 | EA | 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,558.21 | 341.63 |
| | | *For Class 52 Rating, Deduct* | *-334.47* | |
| | | *For Class 54 Rating, Add* | *462.30* | |
| | | *For Class 55 Rating, Add* | *690.48* | |
| | | *For Class 56 Rating, Add* | *915.61* | |
| 40 05 19 00-0631 | EA | 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,638.00 | 344.85 |
| | | *For Class 52 Rating, Deduct* | *-342.71* | |
| | | *For Class 54 Rating, Add* | *473.60* | |
| | | *For Class 55 Rating, Add* | *707.30* | |
| | | *For Class 56 Rating, Add* | *937.88* | |
| 40 05 19 00-0632 | EA | 6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,717.78 | 348.07 |
| | | *For Class 52 Rating, Deduct* | *-350.94* | |
| | | *For Class 54 Rating, Add* | *484.89* | |
| | | *For Class 55 Rating, Add* | *724.12* | |
| | | *For Class 56 Rating, Add* | *960.15* | |
| 40 05 19 00-0633 | EA | 6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,797.57 | 351.30 |
| | | *For Class 52 Rating, Deduct* | *-359.18* | |
| | | *For Class 54 Rating, Add* | *496.18* | |
| | | *For Class 55 Rating, Add* | *740.94* | |
| | | *For Class 56 Rating, Add* | *982.43* | |
| 40 05 19 00-0634 | EA | 6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,877.36 | 354.51 |
| | | *For Class 52 Rating, Deduct* | *-367.42* | |
| | | *For Class 54 Rating, Add* | *507.48* | |
| | | *For Class 55 Rating, Add* | *757.76* | |
| | | *For Class 56 Rating, Add* | *1,004.70* | |

## 40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0636 | EA | 8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,170.19 | 296.51 |
| | | *For Class 52 Rating, Deduct* | *-79.30* | |
| | | *For Class 54 Rating, Add* | *113.53* | |
| | | *For Class 55 Rating, Add* | *171.55* | |
| | | *For Class 56 Rating, Add* | *228.85* | |
| 40 05 19 00-0637 | EA | 8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,278.06 | 299.73 |
| | | *For Class 52 Rating, Deduct* | *-90.63* | |
| | | *For Class 54 Rating, Add* | *129.04* | |
| | | *For Class 55 Rating, Add* | *194.64* | |
| | | *For Class 56 Rating, Add* | *259.41* | |
| 40 05 19 00-0638 | EA | 8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,385.95 | 302.96 |
| | | *For Class 52 Rating, Deduct* | *-101.96* | |
| | | *For Class 54 Rating, Add* | *144.55* | |
| | | *For Class 55 Rating, Add* | *217.72* | |
| | | *For Class 56 Rating, Add* | *289.97* | |
| 40 05 19 00-0639 | EA | 8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,493.82 | 306.17 |
| | | *For Class 52 Rating, Deduct* | *-113.29* | |
| | | *For Class 54 Rating, Add* | *160.05* | |
| | | *For Class 55 Rating, Add* | *240.81* | |
| | | *For Class 56 Rating, Add* | *320.53* | |
| 40 05 19 00-0640 | EA | 8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,601.69 | 309.40 |
| | | *For Class 52 Rating, Deduct* | *-124.62* | |
| | | *For Class 54 Rating, Add* | *175.56* | |
| | | *For Class 55 Rating, Add* | *263.89* | |
| | | *For Class 56 Rating, Add* | *351.08* | |
| 40 05 19 00-0641 | EA | 8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,709.57 | 312.63 |
| | | *For Class 52 Rating, Deduct* | *-135.95* | |
| | | *For Class 54 Rating, Add* | *191.07* | |
| | | *For Class 55 Rating, Add* | *286.97* | |
| | | *For Class 56 Rating, Add* | *381.64* | |
| 40 05 19 00-0642 | EA | 8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,817.44 | 315.84 |
| | | *For Class 52 Rating, Deduct* | *-147.28* | |
| | | *For Class 54 Rating, Add* | *206.58* | |
| | | *For Class 55 Rating, Add* | *310.06* | |
| | | *For Class 56 Rating, Add* | *412.20* | |
| 40 05 19 00-0643 | EA | 8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,925.32 | 319.07 |
| | | *For Class 52 Rating, Deduct* | *-158.61* | |
| | | *For Class 54 Rating, Add* | *222.08* | |
| | | *For Class 55 Rating, Add* | *333.14* | |
| | | *For Class 56 Rating, Add* | *442.76* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0644 | EA | 8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,033.20 | 322.29 |
| | | *For Class 52 Rating, Deduct* | *-169.94* | |
| | | *For Class 54 Rating, Add* | *237.59* | |
| | | *For Class 55 Rating, Add* | *356.23* | |
| | | *For Class 56 Rating, Add* | *473.32* | |
| 40 05 19 00-0645 | EA | 8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,141.07 | 325.51 |
| | | *For Class 52 Rating, Deduct* | *-181.27* | |
| | | *For Class 54 Rating, Add* | *253.10* | |
| | | *For Class 55 Rating, Add* | *379.31* | |
| | | *For Class 56 Rating, Add* | *503.88* | |
| 40 05 19 00-0646 | EA | 8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,248.95 | 328.74 |
| | | *For Class 52 Rating, Deduct* | *-192.59* | |
| | | *For Class 54 Rating, Add* | *268.61* | |
| | | *For Class 55 Rating, Add* | *402.40* | |
| | | *For Class 56 Rating, Add* | *534.43* | |
| 40 05 19 00-0647 | EA | 8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,356.82 | 331.96 |
| | | *For Class 52 Rating, Deduct* | *-203.92* | |
| | | *For Class 54 Rating, Add* | *284.11* | |
| | | *For Class 55 Rating, Add* | *425.48* | |
| | | *For Class 56 Rating, Add* | *564.99* | |
| 40 05 19 00-0648 | EA | 8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,464.70 | 335.18 |
| | | *For Class 52 Rating, Deduct* | *-215.25* | |
| | | *For Class 54 Rating, Add* | *299.62* | |
| | | *For Class 55 Rating, Add* | *448.56* | |
| | | *For Class 56 Rating, Add* | *595.55* | |
| 40 05 19 00-0649 | EA | 8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,572.56 | 338.40 |
| | | *For Class 52 Rating, Deduct* | *-226.58* | |
| | | *For Class 54 Rating, Add* | *315.13* | |
| | | *For Class 55 Rating, Add* | *471.65* | |
| | | *For Class 56 Rating, Add* | *626.11* | |
| 40 05 19 00-0650 | EA | 8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,680.44 | 341.63 |
| | | *For Class 52 Rating, Deduct* | *-237.91* | |
| | | *For Class 54 Rating, Add* | *330.64* | |
| | | *For Class 55 Rating, Add* | *494.73* | |
| | | *For Class 56 Rating, Add* | *656.67* | |
| 40 05 19 00-0651 | EA | 8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,788.32 | 344.85 |
| | | *For Class 52 Rating, Deduct* | *-249.24* | |
| | | *For Class 54 Rating, Add* | *346.14* | |
| | | *For Class 55 Rating, Add* | *517.82* | |
| | | *For Class 56 Rating, Add* | *687.23* | |
| 40 05 19 00-0652 | EA | 8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,896.19 | 348.07 |
| | | *For Class 52 Rating, Deduct* | *-260.57* | |
| | | *For Class 54 Rating, Add* | *361.65* | |
| | | *For Class 55 Rating, Add* | *540.90* | |
| | | *For Class 56 Rating, Add* | *717.78* | |
| 40 05 19 00-0653 | EA | 8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,004.07 | 351.30 |
| | | *For Class 52 Rating, Deduct* | *-271.90* | |
| | | *For Class 54 Rating, Add* | *377.16* | |
| | | *For Class 55 Rating, Add* | *563.99* | |
| | | *For Class 56 Rating, Add* | *748.34* | |
| 40 05 19 00-0654 | EA | 8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,111.94 | 354.51 |
| | | *For Class 52 Rating, Deduct* | *-283.23* | |
| | | *For Class 54 Rating, Add* | *392.66* | |
| | | *For Class 55 Rating, Add* | *587.07* | |
| | | *For Class 56 Rating, Add* | *778.90* | |
| 40 05 19 00-0655 | EA | 8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,219.81 | 357.74 |
| | | *For Class 52 Rating, Deduct* | *-294.56* | |
| | | *For Class 54 Rating, Add* | *408.17* | |
| | | *For Class 55 Rating, Add* | *610.15* | |
| | | *For Class 56 Rating, Add* | *809.46* | |
| 40 05 19 00-0656 | EA | 8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,327.70 | 360.97 |
| | | *For Class 52 Rating, Deduct* | *-305.89* | |
| | | *For Class 54 Rating, Add* | *423.68* | |
| | | *For Class 55 Rating, Add* | *633.24* | |
| | | *For Class 56 Rating, Add* | *840.02* | |
| 40 05 19 00-0657 | EA | 8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,435.57 | 364.19 |
| | | *For Class 52 Rating, Deduct* | *-317.21* | |
| | | *For Class 54 Rating, Add* | *439.19* | |
| | | *For Class 55 Rating, Add* | *656.32* | |
| | | *For Class 56 Rating, Add* | *870.58* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0658 | EA | 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,543.45 | 367.41 |
| | | *For Class 52 Rating, Deduct* | *-328.54* | |
| | | *For Class 54 Rating, Add* | *454.69* | |
| | | *For Class 55 Rating, Add* | *679.41* | |
| | | *For Class 56 Rating, Add* | *901.14* | |
| 40 05 19 00-0659 | EA | 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,651.32 | 370.63 |
| | | *For Class 52 Rating, Deduct* | *-339.87* | |
| | | *For Class 54 Rating, Add* | *470.20* | |
| | | *For Class 55 Rating, Add* | *702.49* | |
| | | *For Class 56 Rating, Add* | *931.69* | |
| 40 05 19 00-0660 | EA | 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,759.19 | 373.86 |
| | | *For Class 52 Rating, Deduct* | *-351.20* | |
| | | *For Class 54 Rating, Add* | *485.71* | |
| | | *For Class 55 Rating, Add* | *725.58* | |
| | | *For Class 56 Rating, Add* | *962.25* | |
| 40 05 19 00-0661 | EA | 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,867.06 | 377.08 |
| | | *For Class 52 Rating, Deduct* | *-362.53* | |
| | | *For Class 54 Rating, Add* | *501.22* | |
| | | *For Class 55 Rating, Add* | *748.66* | |
| | | *For Class 56 Rating, Add* | *992.81* | |
| 40 05 19 00-0662 | EA | 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,974.94 | 380.30 |
| | | *For Class 52 Rating, Deduct* | *-373.86* | |
| | | *For Class 54 Rating, Add* | *516.72* | |
| | | *For Class 55 Rating, Add* | *771.75* | |
| | | *For Class 56 Rating, Add* | *1,023.37* | |
| 40 05 19 00-0663 | EA | 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,082.82 | 383.53 |
| | | *For Class 52 Rating, Deduct* | *-385.19* | |
| | | *For Class 54 Rating, Add* | *532.23* | |
| | | *For Class 55 Rating, Add* | *794.83* | |
| | | *For Class 56 Rating, Add* | *1,053.93* | |
| 40 05 19 00-0664 | EA | 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,190.69 | 386.75 |
| | | *For Class 52 Rating, Deduct* | *-396.52* | |
| | | *For Class 54 Rating, Add* | *547.74* | |
| | | *For Class 55 Rating, Add* | *817.91* | |
| | | *For Class 56 Rating, Add* | *1,084.48* | |
| 40 05 19 00-0665 | EA | 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,298.56 | 389.97 |
| | | *For Class 52 Rating, Deduct* | *-407.85* | |
| | | *For Class 54 Rating, Add* | *563.25* | |
| | | *For Class 55 Rating, Add* | *841.00* | |
| | | *For Class 56 Rating, Add* | *1,115.04* | |
| 40 05 19 00-0666 | EA | 8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,406.44 | 393.20 |
| | | *For Class 52 Rating, Deduct* | *-419.18* | |
| | | *For Class 54 Rating, Add* | *578.75* | |
| | | *For Class 55 Rating, Add* | *864.08* | |
| | | *For Class 56 Rating, Add* | *1,145.60* | |
| 40 05 19 00-0667 | EA | 8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,514.31 | 396.41 |
| | | *For Class 52 Rating, Deduct* | *-430.50* | |
| | | *For Class 54 Rating, Add* | *594.26* | |
| | | *For Class 55 Rating, Add* | *887.17* | |
| | | *For Class 56 Rating, Add* | *1,176.16* | |
| 40 05 19 00-0668 | EA | 8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,622.20 | 399.64 |
| | | *For Class 52 Rating, Deduct* | *-441.83* | |
| | | *For Class 54 Rating, Add* | *609.77* | |
| | | *For Class 55 Rating, Add* | *910.25* | |
| | | *For Class 56 Rating, Add* | *1,206.72* | |
| 40 05 19 00-0669 | EA | 8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,730.07 | 402.87 |
| | | *For Class 52 Rating, Deduct* | *-453.16* | |
| | | *For Class 54 Rating, Add* | *625.28* | |
| | | *For Class 55 Rating, Add* | *933.34* | |
| | | *For Class 56 Rating, Add* | *1,237.28* | |
| 40 05 19 00-0670 | EA | 8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,837.94 | 406.08 |
| | | *For Class 52 Rating, Deduct* | *-464.49* | |
| | | *For Class 54 Rating, Add* | *640.78* | |
| | | *For Class 55 Rating, Add* | *956.42* | |
| | | *For Class 56 Rating, Add* | *1,267.83* | |
| 40 05 19 00-0671 | EA | 8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,945.82 | 409.31 |
| | | *For Class 52 Rating, Deduct* | *-475.82* | |
| | | *For Class 54 Rating, Add* | *656.29* | |
| | | *For Class 55 Rating, Add* | *979.50* | |
| | | *For Class 56 Rating, Add* | *1,298.39* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0672 | EA | 8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,053.69 | 412.53 |
| | | *For Class 52 Rating, Deduct* | *-487.15* | |
| | | *For Class 54 Rating, Add* | *671.80* | |
| | | *For Class 55 Rating, Add* | *1,002.59* | |
| | | *For Class 56 Rating, Add* | *1,328.95* | |
| 40 05 19 00-0673 | EA | 8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,161.56 | 415.76 |
| | | *For Class 52 Rating, Deduct* | *-498.48* | |
| | | *For Class 54 Rating, Add* | *687.30* | |
| | | *For Class 55 Rating, Add* | *1,025.67* | |
| | | *For Class 56 Rating, Add* | *1,359.51* | |
| 40 05 19 00-0674 | EA | 8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,269.44 | 418.98 |
| | | *For Class 52 Rating, Deduct* | *-509.81* | |
| | | *For Class 54 Rating, Add* | *702.81* | |
| | | *For Class 55 Rating, Add* | *1,048.76* | |
| | | *For Class 56 Rating, Add* | *1,390.07* | |

## 40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0676 | EA | 10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,469.16 | 360.97 |
| | | *For Class 52 Rating, Deduct* | *-101.45* | |
| | | *For Class 54 Rating, Add* | *144.90* | |
| | | *For Class 55 Rating, Add* | *218.79* | |
| | | *For Class 56 Rating, Add* | *291.75* | |
| 40 05 19 00-0677 | EA | 10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,609.81 | 364.19 |
| | | *For Class 52 Rating, Deduct* | *-116.38* | |
| | | *For Class 54 Rating, Add* | *165.32* | |
| | | *For Class 55 Rating, Add* | *249.18* | |
| | | *For Class 56 Rating, Add* | *331.98* | |
| 40 05 19 00-0678 | EA | 10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,750.46 | 367.41 |
| | | *For Class 52 Rating, Deduct* | *-131.31* | |
| | | *For Class 54 Rating, Add* | *185.75* | |
| | | *For Class 55 Rating, Add* | *279.57* | |
| | | *For Class 56 Rating, Add* | *372.20* | |
| 40 05 19 00-0679 | EA | 10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,891.10 | 370.63 |
| | | *For Class 52 Rating, Deduct* | *-146.25* | |
| | | *For Class 54 Rating, Add* | *206.17* | |
| | | *For Class 55 Rating, Add* | *309.96* | |
| | | *For Class 56 Rating, Add* | *412.43* | |
| 40 05 19 00-0680 | EA | 10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,031.74 | 373.86 |
| | | *For Class 52 Rating, Deduct* | *-161.18* | |
| | | *For Class 54 Rating, Add* | *226.59* | |
| | | *For Class 55 Rating, Add* | *340.35* | |
| | | *For Class 56 Rating, Add* | *452.65* | |
| 40 05 19 00-0681 | EA | 10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,172.38 | 377.08 |
| | | *For Class 52 Rating, Deduct* | *-176.12* | |
| | | *For Class 54 Rating, Add* | *247.01* | |
| | | *For Class 55 Rating, Add* | *370.75* | |
| | | *For Class 56 Rating, Add* | *492.88* | |
| 40 05 19 00-0682 | EA | 10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,313.02 | 380.30 |
| | | *For Class 52 Rating, Deduct* | *-191.05* | |
| | | *For Class 54 Rating, Add* | *267.44* | |
| | | *For Class 55 Rating, Add* | *401.14* | |
| | | *For Class 56 Rating, Add* | *533.10* | |
| 40 05 19 00-0683 | EA | 10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,453.68 | 383.53 |
| | | *For Class 52 Rating, Deduct* | *-205.98* | |
| | | *For Class 54 Rating, Add* | *287.86* | |
| | | *For Class 55 Rating, Add* | *431.53* | |
| | | *For Class 56 Rating, Add* | *573.33* | |
| 40 05 19 00-0684 | EA | 10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,594.32 | 386.75 |
| | | *For Class 52 Rating, Deduct* | *-220.92* | |
| | | *For Class 54 Rating, Add* | *308.28* | |
| | | *For Class 55 Rating, Add* | *461.92* | |
| | | *For Class 56 Rating, Add* | *613.56* | |
| 40 05 19 00-0685 | EA | 10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,734.96 | 389.97 |
| | | *For Class 52 Rating, Deduct* | *-235.85* | |
| | | *For Class 54 Rating, Add* | *328.71* | |
| | | *For Class 55 Rating, Add* | *492.31* | |
| | | *For Class 56 Rating, Add* | *653.78* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0686 | EA | 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,875.61 | 393.20 |
| | | *For Class 52 Rating, Deduct* | *-250.78* | |
| | | *For Class 54 Rating, Add* | *349.13* | |
| | | *For Class 55 Rating, Add* | *522.71* | |
| | | *For Class 56 Rating, Add* | *694.01* | |
| 40 05 19 00-0687 | EA | 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,016.25 | 396.41 |
| | | *For Class 52 Rating, Deduct* | *-265.72* | |
| | | *For Class 54 Rating, Add* | *369.55* | |
| | | *For Class 55 Rating, Add* | *553.10* | |
| | | *For Class 56 Rating, Add* | *734.23* | |
| 40 05 19 00-0688 | EA | 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,156.90 | 399.64 |
| | | *For Class 52 Rating, Deduct* | *-280.65* | |
| | | *For Class 54 Rating, Add* | *389.97* | |
| | | *For Class 55 Rating, Add* | *583.49* | |
| | | *For Class 56 Rating, Add* | *774.46* | |
| 40 05 19 00-0689 | EA | 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,297.55 | 402.87 |
| | | *For Class 52 Rating, Deduct* | *-295.59* | |
| | | *For Class 54 Rating, Add* | *410.40* | |
| | | *For Class 55 Rating, Add* | *613.88* | |
| | | *For Class 56 Rating, Add* | *814.68* | |
| 40 05 19 00-0690 | EA | 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,438.19 | 406.08 |
| | | *For Class 52 Rating, Deduct* | *-310.52* | |
| | | *For Class 54 Rating, Add* | *430.82* | |
| | | *For Class 55 Rating, Add* | *644.28* | |
| | | *For Class 56 Rating, Add* | *854.91* | |
| 40 05 19 00-0691 | EA | 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,578.84 | 409.31 |
| | | *For Class 52 Rating, Deduct* | *-325.45* | |
| | | *For Class 54 Rating, Add* | *451.24* | |
| | | *For Class 55 Rating, Add* | *674.67* | |
| | | *For Class 56 Rating, Add* | *895.13* | |
| 40 05 19 00-0692 | EA | 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,719.48 | 412.53 |
| | | *For Class 52 Rating, Deduct* | *-340.39* | |
| | | *For Class 54 Rating, Add* | *471.67* | |
| | | *For Class 55 Rating, Add* | *705.06* | |
| | | *For Class 56 Rating, Add* | *935.36* | |
| 40 05 19 00-0693 | EA | 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,860.12 | 415.76 |
| | | *For Class 52 Rating, Deduct* | *-355.32* | |
| | | *For Class 54 Rating, Add* | *492.09* | |
| | | *For Class 55 Rating, Add* | *735.45* | |
| | | *For Class 56 Rating, Add* | *975.58* | |
| 40 05 19 00-0694 | EA | 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,000.77 | 418.98 |
| | | *For Class 52 Rating, Deduct* | *-370.26* | |
| | | *For Class 54 Rating, Add* | *512.51* | |
| | | *For Class 55 Rating, Add* | *765.84* | |
| | | *For Class 56 Rating, Add* | *1,015.81* | |
| 40 05 19 00-0695 | EA | 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,141.41 | 422.20 |
| | | *For Class 52 Rating, Deduct* | *-385.19* | |
| | | *For Class 54 Rating, Add* | *532.93* | |
| | | *For Class 55 Rating, Add* | *796.24* | |
| | | *For Class 56 Rating, Add* | *1,056.04* | |
| 40 05 19 00-0696 | EA | 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,282.06 | 425.43 |
| | | *For Class 52 Rating, Deduct* | *-400.12* | |
| | | *For Class 54 Rating, Add* | *553.36* | |
| | | *For Class 55 Rating, Add* | *826.63* | |
| | | *For Class 56 Rating, Add* | *1,096.26* | |
| 40 05 19 00-0697 | EA | 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,422.70 | 428.64 |
| | | *For Class 52 Rating, Deduct* | *-415.06* | |
| | | *For Class 54 Rating, Add* | *573.78* | |
| | | *For Class 55 Rating, Add* | *857.02* | |
| | | *For Class 56 Rating, Add* | *1,136.49* | |
| 40 05 19 00-0698 | EA | 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,563.35 | 431.87 |
| | | *For Class 52 Rating, Deduct* | *-429.99* | |
| | | *For Class 54 Rating, Add* | *594.20* | |
| | | *For Class 55 Rating, Add* | *887.41* | |
| | | *For Class 56 Rating, Add* | *1,176.71* | |
| 40 05 19 00-0699 | EA | 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,703.99 | 435.10 |
| | | *For Class 52 Rating, Deduct* | *-444.92* | |
| | | *For Class 54 Rating, Add* | *614.62* | |
| | | *For Class 55 Rating, Add* | *917.80* | |
| | | *For Class 56 Rating, Add* | *1,216.94* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0700 | EA | 10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,844.64 | 438.31 |
| | | *For Class 52 Rating, Deduct* | *-459.86* | |
| | | *For Class 54 Rating, Add* | *635.05* | |
| | | *For Class 55 Rating, Add* | *948.20* | |
| | | *For Class 56 Rating, Add* | *1,257.16* | |
| 40 05 19 00-0701 | EA | 10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,985.29 | 441.54 |
| | | *For Class 52 Rating, Deduct* | *-474.79* | |
| | | *For Class 54 Rating, Add* | *655.47* | |
| | | *For Class 55 Rating, Add* | *978.59* | |
| | | *For Class 56 Rating, Add* | *1,297.39* | |
| 40 05 19 00-0702 | EA | 10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,125.93 | 444.76 |
| | | *For Class 52 Rating, Deduct* | *-489.73* | |
| | | *For Class 54 Rating, Add* | *675.89* | |
| | | *For Class 55 Rating, Add* | *1,008.98* | |
| | | *For Class 56 Rating, Add* | *1,337.61* | |
| 40 05 19 00-0703 | EA | 10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,266.58 | 447.98 |
| | | *For Class 52 Rating, Deduct* | *-504.66* | |
| | | *For Class 54 Rating, Add* | *696.32* | |
| | | *For Class 55 Rating, Add* | *1,039.37* | |
| | | *For Class 56 Rating, Add* | *1,377.84* | |
| 40 05 19 00-0704 | EA | 10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,407.22 | 451.21 |
| | | *For Class 52 Rating, Deduct* | *-519.59* | |
| | | *For Class 54 Rating, Add* | *716.74* | |
| | | *For Class 55 Rating, Add* | *1,069.76* | |
| | | *For Class 56 Rating, Add* | *1,418.06* | |
| 40 05 19 00-0705 | EA | 10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,547.86 | 454.43 |
| | | *For Class 52 Rating, Deduct* | *-534.53* | |
| | | *For Class 54 Rating, Add* | *737.16* | |
| | | *For Class 55 Rating, Add* | *1,100.16* | |
| | | *For Class 56 Rating, Add* | *1,458.29* | |
| 40 05 19 00-0706 | EA | 10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,688.51 | 457.65 |
| | | *For Class 52 Rating, Deduct* | *-549.46* | |
| | | *For Class 54 Rating, Add* | *757.59* | |
| | | *For Class 55 Rating, Add* | *1,130.55* | |
| | | *For Class 56 Rating, Add* | *1,498.52* | |
| 40 05 19 00-0707 | EA | 10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,829.15 | 460.87 |
| | | *For Class 52 Rating, Deduct* | *-564.39* | |
| | | *For Class 54 Rating, Add* | *778.01* | |
| | | *For Class 55 Rating, Add* | *1,160.94* | |
| | | *For Class 56 Rating, Add* | *1,538.74* | |
| 40 05 19 00-0708 | EA | 10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,969.80 | 464.10 |
| | | *For Class 52 Rating, Deduct* | *-579.33* | |
| | | *For Class 54 Rating, Add* | *798.43* | |
| | | *For Class 55 Rating, Add* | *1,191.33* | |
| | | *For Class 56 Rating, Add* | *1,578.97* | |
| 40 05 19 00-0709 | EA | 10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,110.44 | 467.32 |
| | | *For Class 52 Rating, Deduct* | *-594.26* | |
| | | *For Class 54 Rating, Add* | *818.85* | |
| | | *For Class 55 Rating, Add* | *1,221.72* | |
| | | *For Class 56 Rating, Add* | *1,619.19* | |
| 40 05 19 00-0710 | EA | 10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,251.08 | 470.54 |
| | | *For Class 52 Rating, Deduct* | *-609.20* | |
| | | *For Class 54 Rating, Add* | *839.28* | |
| | | *For Class 55 Rating, Add* | *1,252.12* | |
| | | *For Class 56 Rating, Add* | *1,659.42* | |
| 40 05 19 00-0711 | EA | 10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,391.74 | 473.77 |
| | | *For Class 52 Rating, Deduct* | *-624.13* | |
| | | *For Class 54 Rating, Add* | *859.70* | |
| | | *For Class 55 Rating, Add* | *1,282.51* | |
| | | *For Class 56 Rating, Add* | *1,699.65* | |
| 40 05 19 00-0712 | EA | 10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,532.38 | 476.99 |
| | | *For Class 52 Rating, Deduct* | *-639.06* | |
| | | *For Class 54 Rating, Add* | *880.12* | |
| | | *For Class 55 Rating, Add* | *1,312.90* | |
| | | *For Class 56 Rating, Add* | *1,739.87* | |
| 40 05 19 00-0713 | EA | 10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,673.03 | 480.21 |
| | | *For Class 52 Rating, Deduct* | *-654.00* | |
| | | *For Class 54 Rating, Add* | *900.55* | |
| | | *For Class 55 Rating, Add* | *1,343.29* | |
| | | *For Class 56 Rating, Add* | *1,780.10* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0714 | EA | 10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,813.67 | 483.44 |
| | | *For Class 52 Rating, Deduct* | *-668.93* | |
| | | *For Class 54 Rating, Add* | *920.97* | |
| | | *For Class 55 Rating, Add* | *1,373.68* | |
| | | *For Class 56 Rating, Add* | *1,820.32* | |

## 40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0716 | EA | 12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,905.51 | 451.21 |
| | | *For Class 52 Rating, Deduct* | *-134.40* | |
| | | *For Class 54 Rating, Add* | *191.48* | |
| | | *For Class 55 Rating, Add* | *288.88* | |
| | | *For Class 56 Rating, Add* | *385.06* | |
| 40 05 19 00-0717 | EA | 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,081.26 | 454.43 |
| | | *For Class 52 Rating, Deduct* | *-153.20* | |
| | | *For Class 54 Rating, Add* | *217.17* | |
| | | *For Class 55 Rating, Add* | *327.10* | |
| | | *For Class 56 Rating, Add* | *435.64* | |
| 40 05 19 00-0718 | EA | 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,257.01 | 457.65 |
| | | *For Class 52 Rating, Deduct* | *-172.00* | |
| | | *For Class 54 Rating, Add* | *242.86* | |
| | | *For Class 55 Rating, Add* | *365.32* | |
| | | *For Class 56 Rating, Add* | *486.22* | |
| 40 05 19 00-0719 | EA | 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,432.76 | 460.87 |
| | | *For Class 52 Rating, Deduct* | *-190.79* | |
| | | *For Class 54 Rating, Add* | *268.55* | |
| | | *For Class 55 Rating, Add* | *403.55* | |
| | | *For Class 56 Rating, Add* | *536.81* | |
| 40 05 19 00-0720 | EA | 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,608.53 | 464.10 |
| | | *For Class 52 Rating, Deduct* | *-209.59* | |
| | | *For Class 54 Rating, Add* | *294.24* | |
| | | *For Class 55 Rating, Add* | *441.77* | |
| | | *For Class 56 Rating, Add* | *587.39* | |
| 40 05 19 00-0721 | EA | 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,784.28 | 467.32 |
| | | *For Class 52 Rating, Deduct* | *-228.38* | |
| | | *For Class 54 Rating, Add* | *319.93* | |
| | | *For Class 55 Rating, Add* | *479.99* | |
| | | *For Class 56 Rating, Add* | *637.98* | |
| 40 05 19 00-0722 | EA | 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,960.03 | 470.54 |
| | | *For Class 52 Rating, Deduct* | *-247.18* | |
| | | *For Class 54 Rating, Add* | *345.62* | |
| | | *For Class 55 Rating, Add* | *518.21* | |
| | | *For Class 56 Rating, Add* | *688.56* | |
| 40 05 19 00-0723 | EA | 12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,135.79 | 473.77 |
| | | *For Class 52 Rating, Deduct* | *-265.98* | |
| | | *For Class 54 Rating, Add* | *371.31* | |
| | | *For Class 55 Rating, Add* | *556.43* | |
| | | *For Class 56 Rating, Add* | *739.14* | |
| 40 05 19 00-0724 | EA | 12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,311.55 | 476.99 |
| | | *For Class 52 Rating, Deduct* | *-284.77* | |
| | | *For Class 54 Rating, Add* | *397.00* | |
| | | *For Class 55 Rating, Add* | *594.66* | |
| | | *For Class 56 Rating, Add* | *789.73* | |
| 40 05 19 00-0725 | EA | 12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,487.31 | 480.21 |
| | | *For Class 52 Rating, Deduct* | *-303.57* | |
| | | *For Class 54 Rating, Add* | *422.69* | |
| | | *For Class 55 Rating, Add* | *632.88* | |
| | | *For Class 56 Rating, Add* | *840.31* | |
| 40 05 19 00-0726 | EA | 12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,663.06 | 483.44 |
| | | *For Class 52 Rating, Deduct* | *-322.36* | |
| | | *For Class 54 Rating, Add* | *448.38* | |
| | | *For Class 55 Rating, Add* | *671.10* | |
| | | *For Class 56 Rating, Add* | *890.89* | |
| 40 05 19 00-0727 | EA | 12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,838.81 | 486.66 |
| | | *For Class 52 Rating, Deduct* | *-341.16* | |
| | | *For Class 54 Rating, Add* | *474.07* | |
| | | *For Class 55 Rating, Add* | *709.32* | |
| | | *For Class 56 Rating, Add* | *941.47* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0728 | EA | 12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,014.58 | 489.88 |
| | | *For Class 52 Rating, Deduct* | *-359.96* | |
| | | *For Class 54 Rating, Add* | *499.76* | |
| | | *For Class 55 Rating, Add* | *747.54* | |
| | | *For Class 56 Rating, Add* | *992.06* | |
| 40 05 19 00-0729 | EA | 12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,190.33 | 493.10 |
| | | *For Class 52 Rating, Deduct* | *-378.75* | |
| | | *For Class 54 Rating, Add* | *525.45* | |
| | | *For Class 55 Rating, Add* | *785.76* | |
| | | *For Class 56 Rating, Add* | *1,042.64* | |
| 40 05 19 00-0730 | EA | 12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,366.08 | 496.33 |
| | | *For Class 52 Rating, Deduct* | *-397.55* | |
| | | *For Class 54 Rating, Add* | *551.13* | |
| | | *For Class 55 Rating, Add* | *823.99* | |
| | | *For Class 56 Rating, Add* | *1,093.22* | |
| 40 05 19 00-0731 | EA | 12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,541.83 | 499.55 |
| | | *For Class 52 Rating, Deduct* | *-416.34* | |
| | | *For Class 54 Rating, Add* | *576.82* | |
| | | *For Class 55 Rating, Add* | *862.21* | |
| | | *For Class 56 Rating, Add* | *1,143.81* | |
| 40 05 19 00-0732 | EA | 12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,717.59 | 502.77 |
| | | *For Class 52 Rating, Deduct* | *-435.14* | |
| | | *For Class 54 Rating, Add* | *602.51* | |
| | | *For Class 55 Rating, Add* | *900.43* | |
| | | *For Class 56 Rating, Add* | *1,194.39* | |
| 40 05 19 00-0733 | EA | 12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,893.35 | 506.00 |
| | | *For Class 52 Rating, Deduct* | *-453.94* | |
| | | *For Class 54 Rating, Add* | *628.20* | |
| | | *For Class 55 Rating, Add* | *938.65* | |
| | | *For Class 56 Rating, Add* | *1,244.97* | |
| 40 05 19 00-0734 | EA | 12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,069.10 | 509.21 |
| | | *For Class 52 Rating, Deduct* | *-472.73* | |
| | | *For Class 54 Rating, Add* | *653.89* | |
| | | *For Class 55 Rating, Add* | *976.87* | |
| | | *For Class 56 Rating, Add* | *1,295.56* | |
| 40 05 19 00-0735 | EA | 12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,244.86 | 512.44 |
| | | *For Class 52 Rating, Deduct* | *-491.53* | |
| | | *For Class 54 Rating, Add* | *679.58* | |
| | | *For Class 55 Rating, Add* | *1,015.09* | |
| | | *For Class 56 Rating, Add* | *1,346.14* | |
| 40 05 19 00-0736 | EA | 12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,420.62 | 515.67 |
| | | *For Class 52 Rating, Deduct* | *-510.32* | |
| | | *For Class 54 Rating, Add* | *705.27* | |
| | | *For Class 55 Rating, Add* | *1,053.32* | |
| | | *For Class 56 Rating, Add* | *1,396.72* | |
| 40 05 19 00-0737 | EA | 12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,596.37 | 518.88 |
| | | *For Class 52 Rating, Deduct* | *-529.12* | |
| | | *For Class 54 Rating, Add* | *730.96* | |
| | | *For Class 55 Rating, Add* | *1,091.54* | |
| | | *For Class 56 Rating, Add* | *1,447.31* | |
| 40 05 19 00-0738 | EA | 12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,772.13 | 522.11 |
| | | *For Class 52 Rating, Deduct* | *-547.92* | |
| | | *For Class 54 Rating, Add* | *756.65* | |
| | | *For Class 55 Rating, Add* | *1,129.76* | |
| | | *For Class 56 Rating, Add* | *1,497.89* | |
| 40 05 19 00-0739 | EA | 12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,947.88 | 525.33 |
| | | *For Class 52 Rating, Deduct* | *-566.71* | |
| | | *For Class 54 Rating, Add* | *782.34* | |
| | | *For Class 55 Rating, Add* | *1,167.98* | |
| | | *For Class 56 Rating, Add* | *1,548.47* | |
| 40 05 19 00-0740 | EA | 12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,123.65 | 528.56 |
| | | *For Class 52 Rating, Deduct* | *-585.51* | |
| | | *For Class 54 Rating, Add* | *808.03* | |
| | | *For Class 55 Rating, Add* | *1,206.20* | |
| | | *For Class 56 Rating, Add* | *1,599.06* | |
| 40 05 19 00-0741 | EA | 12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,299.40 | 531.78 |
| | | *For Class 52 Rating, Deduct* | *-604.30* | |
| | | *For Class 54 Rating, Add* | *833.72* | |
| | | *For Class 55 Rating, Add* | *1,244.43* | |
| | | *For Class 56 Rating, Add* | *1,649.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0742 | EA | 12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,475.14 | 535.00 |
| | | *For Class 52 Rating, Deduct* | *-623.10* | |
| | | *For Class 54 Rating, Add* | *859.41* | |
| | | *For Class 55 Rating, Add* | *1,282.65* | |
| | | *For Class 56 Rating, Add* | *1,700.22* | |
| 40 05 19 00-0743 | EA | 12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,650.91 | 538.23 |
| | | *For Class 52 Rating, Deduct* | *-641.90* | |
| | | *For Class 54 Rating, Add* | *885.10* | |
| | | *For Class 55 Rating, Add* | *1,320.87* | |
| | | *For Class 56 Rating, Add* | *1,750.81* | |
| 40 05 19 00-0744 | EA | 12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,826.66 | 541.45 |
| | | *For Class 52 Rating, Deduct* | *-660.69* | |
| | | *For Class 54 Rating, Add* | *910.79* | |
| | | *For Class 55 Rating, Add* | *1,359.09* | |
| | | *For Class 56 Rating, Add* | *1,801.39* | |
| 40 05 19 00-0745 | EA | 12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,002.42 | 544.67 |
| | | *For Class 52 Rating, Deduct* | *-679.49* | |
| | | *For Class 54 Rating, Add* | *936.48* | |
| | | *For Class 55 Rating, Add* | *1,397.31* | |
| | | *For Class 56 Rating, Add* | *1,851.97* | |
| 40 05 19 00-0746 | EA | 12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,178.17 | 547.90 |
| | | *For Class 52 Rating, Deduct* | *-698.28* | |
| | | *For Class 54 Rating, Add* | *962.17* | |
| | | *For Class 55 Rating, Add* | *1,435.53* | |
| | | *For Class 56 Rating, Add* | *1,902.55* | |
| 40 05 19 00-0747 | EA | 12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,353.93 | 551.11 |
| | | *For Class 52 Rating, Deduct* | *-717.08* | |
| | | *For Class 54 Rating, Add* | *987.86* | |
| | | *For Class 55 Rating, Add* | *1,473.76* | |
| | | *For Class 56 Rating, Add* | *1,953.14* | |
| 40 05 19 00-0748 | EA | 12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,529.69 | 554.34 |
| | | *For Class 52 Rating, Deduct* | *-735.88* | |
| | | *For Class 54 Rating, Add* | *1,013.55* | |
| | | *For Class 55 Rating, Add* | *1,511.98* | |
| | | *For Class 56 Rating, Add* | *2,003.72* | |
| 40 05 19 00-0749 | EA | 12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,705.44 | 557.57 |
| | | *For Class 52 Rating, Deduct* | *-754.67* | |
| | | *For Class 54 Rating, Add* | *1,039.23* | |
| | | *For Class 55 Rating, Add* | *1,550.20* | |
| | | *For Class 56 Rating, Add* | *2,054.30* | |
| 40 05 19 00-0750 | EA | 12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,881.20 | 560.78 |
| | | *For Class 52 Rating, Deduct* | *-773.47* | |
| | | *For Class 54 Rating, Add* | *1,064.92* | |
| | | *For Class 55 Rating, Add* | *1,588.42* | |
| | | *For Class 56 Rating, Add* | *2,104.89* | |
| 40 05 19 00-0751 | EA | 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,056.96 | 564.01 |
| | | *For Class 52 Rating, Deduct* | *-792.26* | |
| | | *For Class 54 Rating, Add* | *1,090.61* | |
| | | *For Class 55 Rating, Add* | *1,626.64* | |
| | | *For Class 56 Rating, Add* | *2,155.47* | |
| 40 05 19 00-0752 | EA | 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,232.71 | 567.23 |
| | | *For Class 52 Rating, Deduct* | *-811.06* | |
| | | *For Class 54 Rating, Add* | *1,116.30* | |
| | | *For Class 55 Rating, Add* | *1,664.87* | |
| | | *For Class 56 Rating, Add* | *2,206.05* | |
| 40 05 19 00-0753 | EA | 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,408.47 | 570.45 |
| | | *For Class 52 Rating, Deduct* | *-829.86* | |
| | | *For Class 54 Rating, Add* | *1,141.99* | |
| | | *For Class 55 Rating, Add* | *1,703.09* | |
| | | *For Class 56 Rating, Add* | *2,256.64* | |
| 40 05 19 00-0754 | EA | 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,584.22 | 573.68 |
| | | *For Class 52 Rating, Deduct* | *-848.65* | |
| | | *For Class 54 Rating, Add* | *1,167.68* | |
| | | *For Class 55 Rating, Add* | *1,741.31* | |
| | | *For Class 56 Rating, Add* | *2,307.22* | |

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0756 | EA | 14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,646.13 | 541.45 |
| | | *For Class 52 Rating, Deduct* | *-200.83* | |
| | | *For Class 54 Rating, Add* | *283.71* | |
| | | *For Class 55 Rating, Add* | *426.83* | |
| | | *For Class 56 Rating, Add* | *568.13* | |
| 40 05 19 00-0757 | EA | 14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,859.35 | 544.67 |
| | | *For Class 52 Rating, Deduct* | *-223.75* | |
| | | *For Class 54 Rating, Add* | *315.02* | |
| | | *For Class 55 Rating, Add* | *473.41* | |
| | | *For Class 56 Rating, Add* | *629.77* | |
| 40 05 19 00-0758 | EA | 14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,072.55 | 547.90 |
| | | *For Class 52 Rating, Deduct* | *-246.67* | |
| | | *For Class 54 Rating, Add* | *346.32* | |
| | | *For Class 55 Rating, Add* | *519.98* | |
| | | *For Class 56 Rating, Add* | *691.40* | |
| 40 05 19 00-0759 | EA | 14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,285.75 | 551.11 |
| | | *For Class 52 Rating, Deduct* | *-269.58* | |
| | | *For Class 54 Rating, Add* | *377.63* | |
| | | *For Class 55 Rating, Add* | *566.55* | |
| | | *For Class 56 Rating, Add* | *753.03* | |
| 40 05 19 00-0760 | EA | 14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,498.97 | 554.34 |
| | | *For Class 52 Rating, Deduct* | *-292.50* | |
| | | *For Class 54 Rating, Add* | *408.94* | |
| | | *For Class 55 Rating, Add* | *613.13* | |
| | | *For Class 56 Rating, Add* | *814.66* | |
| 40 05 19 00-0761 | EA | 14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,712.17 | 557.57 |
| | | *For Class 52 Rating, Deduct* | *-315.41* | |
| | | *For Class 54 Rating, Add* | *440.24* | |
| | | *For Class 55 Rating, Add* | *659.70* | |
| | | *For Class 56 Rating, Add* | *876.29* | |
| 40 05 19 00-0762 | EA | 14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,925.39 | 560.78 |
| | | *For Class 52 Rating, Deduct* | *-338.33* | |
| | | *For Class 54 Rating, Add* | *471.55* | |
| | | *For Class 55 Rating, Add* | *706.28* | |
| | | *For Class 56 Rating, Add* | *937.92* | |
| 40 05 19 00-0763 | EA | 14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,138.59 | 564.01 |
| | | *For Class 52 Rating, Deduct* | *-361.24* | |
| | | *For Class 54 Rating, Add* | *502.86* | |
| | | *For Class 55 Rating, Add* | *752.85* | |
| | | *For Class 56 Rating, Add* | *999.55* | |
| 40 05 19 00-0764 | EA | 14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,351.79 | 567.23 |
| | | *For Class 52 Rating, Deduct* | *-384.16* | |
| | | *For Class 54 Rating, Add* | *534.17* | |
| | | *For Class 55 Rating, Add* | *799.42* | |
| | | *For Class 56 Rating, Add* | *1,061.18* | |
| 40 05 19 00-0765 | EA | 14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,565.01 | 570.45 |
| | | *For Class 52 Rating, Deduct* | *-407.07* | |
| | | *For Class 54 Rating, Add* | *565.47* | |
| | | *For Class 55 Rating, Add* | *846.00* | |
| | | *For Class 56 Rating, Add* | *1,122.82* | |
| 40 05 19 00-0766 | EA | 14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,778.21 | 573.68 |
| | | *For Class 52 Rating, Deduct* | *-429.99* | |
| | | *For Class 54 Rating, Add* | *596.78* | |
| | | *For Class 55 Rating, Add* | *892.57* | |
| | | *For Class 56 Rating, Add* | *1,184.45* | |
| 40 05 19 00-0767 | EA | 14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,991.42 | 576.90 |
| | | *For Class 52 Rating, Deduct* | *-452.91* | |
| | | *For Class 54 Rating, Add* | *628.09* | |
| | | *For Class 55 Rating, Add* | *939.14* | |
| | | *For Class 56 Rating, Add* | *1,246.08* | |
| 40 05 19 00-0768 | EA | 14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,204.62 | 580.13 |
| | | *For Class 52 Rating, Deduct* | *-475.82* | |
| | | *For Class 54 Rating, Add* | *659.40* | |
| | | *For Class 55 Rating, Add* | *985.72* | |
| | | *For Class 56 Rating, Add* | *1,307.71* | |
| 40 05 19 00-0769 | EA | 14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,417.82 | 583.34 |
| | | *For Class 52 Rating, Deduct* | *-498.74* | |
| | | *For Class 54 Rating, Add* | *690.70* | |
| | | *For Class 55 Rating, Add* | *1,032.29* | |
| | | *For Class 56 Rating, Add* | *1,369.34* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0770 | EA | 14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,631.04 | 586.57 |
| | | *For Class 52 Rating, Deduct* | *-521.65* | |
| | | *For Class 54 Rating, Add* | *722.01* | |
| | | *For Class 55 Rating, Add* | *1,078.86* | |
| | | *For Class 56 Rating, Add* | *1,430.97* | |
| 40 05 19 00-0771 | EA | 14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,844.24 | 589.80 |
| | | *For Class 52 Rating, Deduct* | *-544.57* | |
| | | *For Class 54 Rating, Add* | *753.32* | |
| | | *For Class 55 Rating, Add* | *1,125.44* | |
| | | *For Class 56 Rating, Add* | *1,492.60* | |
| 40 05 19 00-0772 | EA | 14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,057.46 | 593.01 |
| | | *For Class 52 Rating, Deduct* | *-567.48* | |
| | | *For Class 54 Rating, Add* | *784.62* | |
| | | *For Class 55 Rating, Add* | *1,172.01* | |
| | | *For Class 56 Rating, Add* | *1,554.24* | |
| 40 05 19 00-0773 | EA | 14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,270.66 | 596.24 |
| | | *For Class 52 Rating, Deduct* | *-590.40* | |
| | | *For Class 54 Rating, Add* | *815.93* | |
| | | *For Class 55 Rating, Add* | *1,218.58* | |
| | | *For Class 56 Rating, Add* | *1,615.87* | |
| 40 05 19 00-0774 | EA | 14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,483.87 | 599.46 |
| | | *For Class 52 Rating, Deduct* | *-613.32* | |
| | | *For Class 54 Rating, Add* | *847.24* | |
| | | *For Class 55 Rating, Add* | *1,265.16* | |
| | | *For Class 56 Rating, Add* | *1,677.50* | |
| 40 05 19 00-0775 | EA | 14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,697.08 | 602.68 |
| | | *For Class 52 Rating, Deduct* | *-636.23* | |
| | | *For Class 54 Rating, Add* | *878.55* | |
| | | *For Class 55 Rating, Add* | *1,311.73* | |
| | | *For Class 56 Rating, Add* | *1,739.13* | |
| 40 05 19 00-0776 | EA | 14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,910.28 | 605.91 |
| | | *For Class 52 Rating, Deduct* | *-659.15* | |
| | | *For Class 54 Rating, Add* | *909.85* | |
| | | *For Class 55 Rating, Add* | *1,358.30* | |
| | | *For Class 56 Rating, Add* | *1,800.76* | |
| 40 05 19 00-0777 | EA | 14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,123.50 | 609.13 |
| | | *For Class 52 Rating, Deduct* | *-682.06* | |
| | | *For Class 54 Rating, Add* | *941.16* | |
| | | *For Class 55 Rating, Add* | *1,404.88* | |
| | | *For Class 56 Rating, Add* | *1,862.39* | |
| 40 05 19 00-0778 | EA | 14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,336.70 | 612.35 |
| | | *For Class 52 Rating, Deduct* | *-704.98* | |
| | | *For Class 54 Rating, Add* | *972.47* | |
| | | *For Class 55 Rating, Add* | *1,451.45* | |
| | | *For Class 56 Rating, Add* | *1,924.02* | |
| 40 05 19 00-0779 | EA | 14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,549.90 | 615.57 |
| | | *For Class 52 Rating, Deduct* | *-727.89* | |
| | | *For Class 54 Rating, Add* | *1,003.78* | |
| | | *For Class 55 Rating, Add* | *1,498.02* | |
| | | *For Class 56 Rating, Add* | *1,985.66* | |
| 40 05 19 00-0780 | EA | 14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,763.11 | 618.80 |
| | | *For Class 52 Rating, Deduct* | *-750.81* | |
| | | *For Class 54 Rating, Add* | *1,035.08* | |
| | | *For Class 55 Rating, Add* | *1,544.60* | |
| | | *For Class 56 Rating, Add* | *2,047.29* | |
| 40 05 19 00-0781 | EA | 14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,976.31 | 622.02 |
| | | *For Class 52 Rating, Deduct* | *-773.72* | |
| | | *For Class 54 Rating, Add* | *1,066.39* | |
| | | *For Class 55 Rating, Add* | *1,591.17* | |
| | | *For Class 56 Rating, Add* | *2,108.92* | |
| 40 05 19 00-0782 | EA | 14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,189.53 | 625.24 |
| | | *For Class 52 Rating, Deduct* | *-796.64* | |
| | | *For Class 54 Rating, Add* | *1,097.70* | |
| | | *For Class 55 Rating, Add* | *1,637.74* | |
| | | *For Class 56 Rating, Add* | *2,170.55* | |
| 40 05 19 00-0783 | EA | 14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,402.73 | 628.47 |
| | | *For Class 52 Rating, Deduct* | *-819.56* | |
| | | *For Class 54 Rating, Add* | *1,129.00* | |
| | | *For Class 55 Rating, Add* | *1,684.32* | |
| | | *For Class 56 Rating, Add* | *2,232.18* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0784 | EA | 14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,615.94 | 631.68 |
| | | *For Class 52 Rating, Deduct* | *-842.47* | |
| | | *For Class 54 Rating, Add* | *1,160.31* | |
| | | *For Class 55 Rating, Add* | *1,730.89* | |
| | | *For Class 56 Rating, Add* | *2,293.81* | |
| 40 05 19 00-0785 | EA | 14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,829.15 | 634.91 |
| | | *For Class 52 Rating, Deduct* | *-865.39* | |
| | | *For Class 54 Rating, Add* | *1,191.62* | |
| | | *For Class 55 Rating, Add* | *1,777.46* | |
| | | *For Class 56 Rating, Add* | *2,355.44* | |
| 40 05 19 00-0786 | EA | 14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,042.35 | 638.14 |
| | | *For Class 52 Rating, Deduct* | *-888.30* | |
| | | *For Class 54 Rating, Add* | *1,222.92* | |
| | | *For Class 55 Rating, Add* | *1,824.04* | |
| | | *For Class 56 Rating, Add* | *2,417.07* | |
| 40 05 19 00-0787 | EA | 14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,255.57 | 641.36 |
| | | *For Class 52 Rating, Deduct* | *-911.22* | |
| | | *For Class 54 Rating, Add* | *1,254.23* | |
| | | *For Class 55 Rating, Add* | *1,870.61* | |
| | | *For Class 56 Rating, Add* | *2,478.71* | |
| 40 05 19 00-0788 | EA | 14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,468.77 | 644.58 |
| | | *For Class 52 Rating, Deduct* | *-934.13* | |
| | | *For Class 54 Rating, Add* | *1,285.54* | |
| | | *For Class 55 Rating, Add* | *1,917.18* | |
| | | *For Class 56 Rating, Add* | *2,540.34* | |
| 40 05 19 00-0789 | EA | 14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,681.98 | 647.80 |
| | | *For Class 52 Rating, Deduct* | *-957.05* | |
| | | *For Class 54 Rating, Add* | *1,316.85* | |
| | | *For Class 55 Rating, Add* | *1,963.76* | |
| | | *For Class 56 Rating, Add* | *2,601.97* | |
| 40 05 19 00-0790 | EA | 14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,895.19 | 651.03 |
| | | *For Class 52 Rating, Deduct* | *-979.97* | |
| | | *For Class 54 Rating, Add* | *1,348.15* | |
| | | *For Class 55 Rating, Add* | *2,010.33* | |
| | | *For Class 56 Rating, Add* | *2,663.60* | |
| 40 05 19 00-0791 | EA | 14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,108.38 | 654.25 |
| | | *For Class 52 Rating, Deduct* | *-1,002.88* | |
| | | *For Class 54 Rating, Add* | *1,379.46* | |
| | | *For Class 55 Rating, Add* | *2,056.90* | |
| | | *For Class 56 Rating, Add* | *2,725.23* | |
| 40 05 19 00-0792 | EA | 14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,321.60 | 657.47 |
| | | *For Class 52 Rating, Deduct* | *-1,025.80* | |
| | | *For Class 54 Rating, Add* | *1,410.77* | |
| | | *For Class 55 Rating, Add* | *2,103.48* | |
| | | *For Class 56 Rating, Add* | *2,786.86* | |
| 40 05 19 00-0793 | EA | 14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,534.80 | 660.70 |
| | | *For Class 52 Rating, Deduct* | *-1,048.71* | |
| | | *For Class 54 Rating, Add* | *1,442.08* | |
| | | *For Class 55 Rating, Add* | *2,150.05* | |
| | | *For Class 56 Rating, Add* | *2,848.49* | |

## 40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0795 | EA | 16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,098.05 | 618.80 |
| | | *For Class 52 Rating, Deduct* | *-237.65* | |
| | | *For Class 54 Rating, Add* | *335.32* | |
| | | *For Class 55 Rating, Add* | *504.29* | |
| | | *For Class 56 Rating, Add* | *671.09* | |
| 40 05 19 00-0796 | EA | 16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,346.37 | 622.02 |
| | | *For Class 52 Rating, Deduct* | *-264.43* | |
| | | *For Class 54 Rating, Add* | *371.90* | |
| | | *For Class 55 Rating, Add* | *558.69* | |
| | | *For Class 56 Rating, Add* | *743.08* | |
| 40 05 19 00-0797 | EA | 16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,594.69 | 625.24 |
| | | *For Class 52 Rating, Deduct* | *-291.21* | |
| | | *For Class 54 Rating, Add* | *408.47* | |
| | | *For Class 55 Rating, Add* | *613.10* | |
| | | *For Class 56 Rating, Add* | *815.07* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0798 | EA | 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,843.01 | 628.47 |
| | | *For Class 52 Rating, Deduct* | *-317.99* | |
| | | *For Class 54 Rating, Add* | *445.05* | |
| | | *For Class 55 Rating, Add* | *667.50* | |
| | | *For Class 56 Rating, Add* | *887.06* | |
| 40 05 19 00-0799 | EA | 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,091.32 | 631.68 |
| | | *For Class 52 Rating, Deduct* | *-344.76* | |
| | | *For Class 54 Rating, Add* | *481.62* | |
| | | *For Class 55 Rating, Add* | *721.90* | |
| | | *For Class 56 Rating, Add* | *959.05* | |
| 40 05 19 00-0800 | EA | 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,339.65 | 634.91 |
| | | *For Class 52 Rating, Deduct* | *-371.54* | |
| | | *For Class 54 Rating, Add* | *518.19* | |
| | | *For Class 55 Rating, Add* | *776.31* | |
| | | *For Class 56 Rating, Add* | *1,031.04* | |
| 40 05 19 00-0801 | EA | 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,587.96 | 638.14 |
| | | *For Class 52 Rating, Deduct* | *-398.32* | |
| | | *For Class 54 Rating, Add* | *554.77* | |
| | | *For Class 55 Rating, Add* | *830.71* | |
| | | *For Class 56 Rating, Add* | *1,103.03* | |
| 40 05 19 00-0802 | EA | 16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,836.29 | 641.36 |
| | | *For Class 52 Rating, Deduct* | *-425.10* | |
| | | *For Class 54 Rating, Add* | *591.34* | |
| | | *For Class 55 Rating, Add* | *885.11* | |
| | | *For Class 56 Rating, Add* | *1,175.02* | |
| 40 05 19 00-0803 | EA | 16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,084.60 | 644.58 |
| | | *For Class 52 Rating, Deduct* | *-451.88* | |
| | | *For Class 54 Rating, Add* | *627.91* | |
| | | *For Class 55 Rating, Add* | *939.51* | |
| | | *For Class 56 Rating, Add* | *1,247.01* | |
| 40 05 19 00-0804 | EA | 16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,309.51 | 647.80 |
| | | *For Class 52 Rating, Deduct* | *-476.08* | |
| | | *For Class 54 Rating, Add* | *660.98* | |
| | | *For Class 55 Rating, Add* | *988.70* | |
| | | *For Class 56 Rating, Add* | *1,312.09* | |
| 40 05 19 00-0805 | EA | 16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,581.24 | 651.03 |
| | | *For Class 52 Rating, Deduct* | *-505.43* | |
| | | *For Class 54 Rating, Add* | *701.06* | |
| | | *For Class 55 Rating, Add* | *1,048.32* | |
| | | *For Class 56 Rating, Add* | *1,390.99* | |
| 40 05 19 00-0806 | EA | 16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,829.55 | 654.25 |
| | | *For Class 52 Rating, Deduct* | *-532.21* | |
| | | *For Class 54 Rating, Add* | *737.64* | |
| | | *For Class 55 Rating, Add* | *1,102.72* | |
| | | *For Class 56 Rating, Add* | *1,462.98* | |
| 40 05 19 00-0807 | EA | 16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,077.87 | 657.47 |
| | | *For Class 52 Rating, Deduct* | *-558.99* | |
| | | *For Class 54 Rating, Add* | *774.21* | |
| | | *For Class 55 Rating, Add* | *1,157.13* | |
| | | *For Class 56 Rating, Add* | *1,534.96* | |
| 40 05 19 00-0808 | EA | 16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,326.19 | 660.70 |
| | | *For Class 52 Rating, Deduct* | *-585.77* | |
| | | *For Class 54 Rating, Add* | *810.78* | |
| | | *For Class 55 Rating, Add* | *1,211.53* | |
| | | *For Class 56 Rating, Add* | *1,606.95* | |
| 40 05 19 00-0809 | EA | 16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,574.50 | 663.91 |
| | | *For Class 52 Rating, Deduct* | *-612.54* | |
| | | *For Class 54 Rating, Add* | *847.36* | |
| | | *For Class 55 Rating, Add* | *1,265.93* | |
| | | *For Class 56 Rating, Add* | *1,678.94* | |
| 40 05 19 00-0810 | EA | 16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,822.83 | 667.14 |
| | | *For Class 52 Rating, Deduct* | *-639.32* | |
| | | *For Class 54 Rating, Add* | *883.93* | |
| | | *For Class 55 Rating, Add* | *1,320.34* | |
| | | *For Class 56 Rating, Add* | *1,750.93* | |
| 40 05 19 00-0811 | EA | 16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,071.14 | 670.37 |
| | | *For Class 52 Rating, Deduct* | *-666.10* | |
| | | *For Class 54 Rating, Add* | *920.50* | |
| | | *For Class 55 Rating, Add* | *1,374.74* | |
| | | *For Class 56 Rating, Add* | *1,822.92* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0812 | EA | 16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,319.47 | 673.58 |
| | | *For Class 52 Rating, Deduct* | *-692.88* | |
| | | *For Class 54 Rating, Add* | *957.08* | |
| | | *For Class 55 Rating, Add* | *1,429.14* | |
| | | *For Class 56 Rating, Add* | *1,894.91* | |
| 40 05 19 00-0813 | EA | 16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,567.78 | 676.81 |
| | | *For Class 52 Rating, Deduct* | *-719.65* | |
| | | *For Class 54 Rating, Add* | *993.65* | |
| | | *For Class 55 Rating, Add* | *1,483.55* | |
| | | *For Class 56 Rating, Add* | *1,966.90* | |
| 40 05 19 00-0814 | EA | 16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,816.10 | 680.03 |
| | | *For Class 52 Rating, Deduct* | *-746.43* | |
| | | *For Class 54 Rating, Add* | *1,030.23* | |
| | | *For Class 55 Rating, Add* | *1,537.95* | |
| | | *For Class 56 Rating, Add* | *2,038.89* | |
| 40 05 19 00-0815 | EA | 16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,064.42 | 683.25 |
| | | *For Class 52 Rating, Deduct* | *-773.21* | |
| | | *For Class 54 Rating, Add* | *1,066.80* | |
| | | *For Class 55 Rating, Add* | *1,592.35* | |
| | | *For Class 56 Rating, Add* | *2,110.88* | |
| 40 05 19 00-0816 | EA | 16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,312.74 | 686.48 |
| | | *For Class 52 Rating, Deduct* | *-799.99* | |
| | | *For Class 54 Rating, Add* | *1,103.37* | |
| | | *For Class 55 Rating, Add* | *1,646.76* | |
| | | *For Class 56 Rating, Add* | *2,182.87* | |
| 40 05 19 00-0817 | EA | 16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,561.06 | 689.70 |
| | | *For Class 52 Rating, Deduct* | *-826.77* | |
| | | *For Class 54 Rating, Add* | *1,139.95* | |
| | | *For Class 55 Rating, Add* | *1,701.16* | |
| | | *For Class 56 Rating, Add* | *2,254.86* | |
| 40 05 19 00-0818 | EA | 16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,809.37 | 692.93 |
| | | *For Class 52 Rating, Deduct* | *-853.54* | |
| | | *For Class 54 Rating, Add* | *1,176.52* | |
| | | *For Class 55 Rating, Add* | *1,755.56* | |
| | | *For Class 56 Rating, Add* | *2,326.85* | |
| 40 05 19 00-0819 | EA | 16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,057.68 | 696.15 |
| | | *For Class 52 Rating, Deduct* | *-880.32* | |
| | | *For Class 54 Rating, Add* | *1,213.10* | |
| | | *For Class 55 Rating, Add* | *1,809.97* | |
| | | *For Class 56 Rating, Add* | *2,398.83* | |
| 40 05 19 00-0820 | EA | 16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,306.01 | 699.37 |
| | | *For Class 52 Rating, Deduct* | *-907.10* | |
| | | *For Class 54 Rating, Add* | *1,249.67* | |
| | | *For Class 55 Rating, Add* | *1,864.37* | |
| | | *For Class 56 Rating, Add* | *2,470.82* | |
| 40 05 19 00-0821 | EA | 16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,554.32 | 702.60 |
| | | *For Class 52 Rating, Deduct* | *-933.88* | |
| | | *For Class 54 Rating, Add* | *1,286.24* | |
| | | *For Class 55 Rating, Add* | *1,918.77* | |
| | | *For Class 56 Rating, Add* | *2,542.81* | |
| 40 05 19 00-0822 | EA | 16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,802.65 | 705.81 |
| | | *For Class 52 Rating, Deduct* | *-960.66* | |
| | | *For Class 54 Rating, Add* | *1,322.82* | |
| | | *For Class 55 Rating, Add* | *1,973.18* | |
| | | *For Class 56 Rating, Add* | *2,614.80* | |
| 40 05 19 00-0823 | EA | 16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,050.96 | 709.04 |
| | | *For Class 52 Rating, Deduct* | *-987.43* | |
| | | *For Class 54 Rating, Add* | *1,359.39* | |
| | | *For Class 55 Rating, Add* | *2,027.58* | |
| | | *For Class 56 Rating, Add* | *2,686.79* | |
| 40 05 19 00-0824 | EA | 16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,299.28 | 712.27 |
| | | *For Class 52 Rating, Deduct* | *-1,014.21* | |
| | | *For Class 54 Rating, Add* | *1,395.97* | |
| | | *For Class 55 Rating, Add* | *2,081.98* | |
| | | *For Class 56 Rating, Add* | *2,758.78* | |
| 40 05 19 00-0825 | EA | 16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,547.60 | 715.48 |
| | | *For Class 52 Rating, Deduct* | *-1,040.99* | |
| | | *For Class 54 Rating, Add* | *1,432.54* | |
| | | *For Class 55 Rating, Add* | *2,136.38* | |
| | | *For Class 56 Rating, Add* | *2,830.77* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0826 | EA | 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,795.92 | 718.71 |
| | | *For Class 52 Rating, Deduct* | *-1,067.77* | |
| | | *For Class 54 Rating, Add* | *1,469.11* | |
| | | *For Class 55 Rating, Add* | *2,190.79* | |
| | | *For Class 56 Rating, Add* | *2,902.76* | |
| 40 05 19 00-0827 | EA | 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,044.24 | 721.93 |
| | | *For Class 52 Rating, Deduct* | *-1,094.54* | |
| | | *For Class 54 Rating, Add* | *1,505.69* | |
| | | *For Class 55 Rating, Add* | *2,245.19* | |
| | | *For Class 56 Rating, Add* | *2,974.75* | |
| 40 05 19 00-0828 | EA | 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,292.56 | 725.15 |
| | | *For Class 52 Rating, Deduct* | *-1,121.32* | |
| | | *For Class 54 Rating, Add* | *1,542.26* | |
| | | *For Class 55 Rating, Add* | *2,299.60* | |
| | | *For Class 56 Rating, Add* | *3,046.74* | |
| 40 05 19 00-0829 | EA | 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,540.87 | 728.38 |
| | | *For Class 52 Rating, Deduct* | *-1,148.10* | |
| | | *For Class 54 Rating, Add* | *1,578.83* | |
| | | *For Class 55 Rating, Add* | *2,354.00* | |
| | | *For Class 56 Rating, Add* | *3,118.72* | |
| 40 05 19 00-0830 | EA | 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,789.20 | 731.60 |
| | | *For Class 52 Rating, Deduct* | *-1,174.88* | |
| | | *For Class 54 Rating, Add* | *1,615.41* | |
| | | *For Class 55 Rating, Add* | *2,408.40* | |
| | | *For Class 56 Rating, Add* | *3,190.72* | |
| 40 05 19 00-0831 | EA | 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,037.50 | 734.82 |
| | | *For Class 52 Rating, Deduct* | *-1,201.66* | |
| | | *For Class 54 Rating, Add* | *1,651.98* | |
| | | *For Class 55 Rating, Add* | *2,462.80* | |
| | | *For Class 56 Rating, Add* | *3,262.70* | |
| 40 05 19 00-0832 | EA | 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,285.83 | 738.04 |
| | | *For Class 52 Rating, Deduct* | *-1,228.43* | |
| | | *For Class 54 Rating, Add* | *1,688.56* | |
| | | *For Class 55 Rating, Add* | *2,517.21* | |
| | | *For Class 56 Rating, Add* | *3,334.69* | |

## 40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0834 | EA | 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,619.81 | 697.45 |
| | | *For Class 52 Rating, Deduct* | *-281.94* | |
| | | *For Class 54 Rating, Add* | *397.14* | |
| | | *For Class 55 Rating, Add* | *596.93* | |
| | | *For Class 56 Rating, Add* | *794.15* | |
| 40 05 19 00-0835 | EA | 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,905.58 | 700.66 |
| | | *For Class 52 Rating, Deduct* | *-312.84* | |
| | | *For Class 54 Rating, Add* | *439.33* | |
| | | *For Class 55 Rating, Add* | *659.68* | |
| | | *For Class 56 Rating, Add* | *877.19* | |
| 40 05 19 00-0836 | EA | 18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,191.35 | 703.89 |
| | | *For Class 52 Rating, Deduct* | *-343.73* | |
| | | *For Class 54 Rating, Add* | *481.53* | |
| | | *For Class 55 Rating, Add* | *722.44* | |
| | | *For Class 56 Rating, Add* | *960.23* | |
| 40 05 19 00-0837 | EA | 18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,477.12 | 707.11 |
| | | *For Class 52 Rating, Deduct* | *-374.63* | |
| | | *For Class 54 Rating, Add* | *523.72* | |
| | | *For Class 55 Rating, Add* | *785.20* | |
| | | *For Class 56 Rating, Add* | *1,043.27* | |
| 40 05 19 00-0838 | EA | 18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,762.89 | 710.33 |
| | | *For Class 52 Rating, Deduct* | *-405.53* | |
| | | *For Class 54 Rating, Add* | *565.91* | |
| | | *For Class 55 Rating, Add* | *847.95* | |
| | | *For Class 56 Rating, Add* | *1,126.30* | |
| 40 05 19 00-0839 | EA | 18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,048.66 | 713.56 |
| | | *For Class 52 Rating, Deduct* | *-436.43* | |
| | | *For Class 54 Rating, Add* | *608.10* | |
| | | *For Class 55 Rating, Add* | *910.70* | |
| | | *For Class 56 Rating, Add* | *1,209.34* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0840 | EA | 18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,334.43 | 716.78 |
| | | *For Class 52 Rating, Deduct* | *-467.33* | |
| | | *For Class 54 Rating, Add* | *650.29* | |
| | | *For Class 55 Rating, Add* | *973.46* | |
| | | *For Class 56 Rating, Add* | *1,292.38* | |
| 40 05 19 00-0841 | EA | 18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,620.19 | 720.00 |
| | | *For Class 52 Rating, Deduct* | *-498.22* | |
| | | *For Class 54 Rating, Add* | *692.48* | |
| | | *For Class 55 Rating, Add* | *1,036.21* | |
| | | *For Class 56 Rating, Add* | *1,375.41* | |
| 40 05 19 00-0842 | EA | 18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,905.96 | 723.22 |
| | | *For Class 52 Rating, Deduct* | *-529.12* | |
| | | *For Class 54 Rating, Add* | *734.68* | |
| | | *For Class 55 Rating, Add* | *1,098.97* | |
| | | *For Class 56 Rating, Add* | *1,458.45* | |
| 40 05 19 00-0843 | EA | 18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,191.74 | 726.45 |
| | | *For Class 52 Rating, Deduct* | *-560.02* | |
| | | *For Class 54 Rating, Add* | *776.87* | |
| | | *For Class 55 Rating, Add* | *1,161.72* | |
| | | *For Class 56 Rating, Add* | *1,541.49* | |
| 40 05 19 00-0844 | EA | 18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,477.50 | 729.67 |
| | | *For Class 52 Rating, Deduct* | *-590.91* | |
| | | *For Class 54 Rating, Add* | *819.06* | |
| | | *For Class 55 Rating, Add* | *1,224.48* | |
| | | *For Class 56 Rating, Add* | *1,624.53* | |
| 40 05 19 00-0845 | EA | 18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,763.28 | 732.89 |
| | | *For Class 52 Rating, Deduct* | *-621.81* | |
| | | *For Class 54 Rating, Add* | *861.25* | |
| | | *For Class 55 Rating, Add* | *1,287.23* | |
| | | *For Class 56 Rating, Add* | *1,707.56* | |
| 40 05 19 00-0846 | EA | 18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,049.05 | 736.12 |
| | | *For Class 52 Rating, Deduct* | *-652.71* | |
| | | *For Class 54 Rating, Add* | *903.44* | |
| | | *For Class 55 Rating, Add* | *1,349.99* | |
| | | *For Class 56 Rating, Add* | *1,790.60* | |
| 40 05 19 00-0847 | EA | 18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,334.81 | 739.33 |
| | | *For Class 52 Rating, Deduct* | *-683.61* | |
| | | *For Class 54 Rating, Add* | *945.63* | |
| | | *For Class 55 Rating, Add* | *1,412.74* | |
| | | *For Class 56 Rating, Add* | *1,873.64* | |
| 40 05 19 00-0848 | EA | 18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,620.59 | 742.56 |
| | | *For Class 52 Rating, Deduct* | *-714.51* | |
| | | *For Class 54 Rating, Add* | *987.83* | |
| | | *For Class 55 Rating, Add* | *1,475.50* | |
| | | *For Class 56 Rating, Add* | *1,956.68* | |
| 40 05 19 00-0849 | EA | 18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,906.35 | 745.79 |
| | | *For Class 52 Rating, Deduct* | *-745.40* | |
| | | *For Class 54 Rating, Add* | *1,030.02* | |
| | | *For Class 55 Rating, Add* | *1,538.25* | |
| | | *For Class 56 Rating, Add* | *2,039.71* | |
| 40 05 19 00-0850 | EA | 18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,192.13 | 749.01 |
| | | *For Class 52 Rating, Deduct* | *-776.30* | |
| | | *For Class 54 Rating, Add* | *1,072.21* | |
| | | *For Class 55 Rating, Add* | *1,601.01* | |
| | | *For Class 56 Rating, Add* | *2,122.75* | |
| 40 05 19 00-0851 | EA | 18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,477.90 | 752.23 |
| | | *For Class 52 Rating, Deduct* | *-807.20* | |
| | | *For Class 54 Rating, Add* | *1,114.40* | |
| | | *For Class 55 Rating, Add* | *1,663.76* | |
| | | *For Class 56 Rating, Add* | *2,205.79* | |
| 40 05 19 00-0852 | EA | 18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,763.65 | 755.45 |
| | | *For Class 52 Rating, Deduct* | *-838.09* | |
| | | *For Class 54 Rating, Add* | *1,156.59* | |
| | | *For Class 55 Rating, Add* | *1,726.52* | |
| | | *For Class 56 Rating, Add* | *2,288.82* | |
| 40 05 19 00-0853 | EA | 18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,049.43 | 758.68 |
| | | *For Class 52 Rating, Deduct* | *-868.99* | |
| | | *For Class 54 Rating, Add* | *1,198.78* | |
| | | *For Class 55 Rating, Add* | *1,789.27* | |
| | | *For Class 56 Rating, Add* | *2,371.86* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0854 | EA | 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,335.20 | 761.90 |
| | | *For Class 52 Rating, Deduct* | *-899.89* | |
| | | *For Class 54 Rating, Add* | *1,240.98* | |
| | | *For Class 55 Rating, Add* | *1,852.03* | |
| | | *For Class 56 Rating, Add* | *2,454.90* | |
| 40 05 19 00-0855 | EA | 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,620.97 | 765.12 |
| | | *For Class 52 Rating, Deduct* | *-930.79* | |
| | | *For Class 54 Rating, Add* | *1,283.17* | |
| | | *For Class 55 Rating, Add* | *1,914.78* | |
| | | *For Class 56 Rating, Add* | *2,537.94* | |
| 40 05 19 00-0856 | EA | 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,906.74 | 768.35 |
| | | *For Class 52 Rating, Deduct* | *-961.68* | |
| | | *For Class 54 Rating, Add* | *1,325.36* | |
| | | *For Class 55 Rating, Add* | *1,977.54* | |
| | | *For Class 56 Rating, Add* | *2,620.97* | |
| 40 05 19 00-0857 | EA | 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,192.51 | 771.57 |
| | | *For Class 52 Rating, Deduct* | *-992.58* | |
| | | *For Class 54 Rating, Add* | *1,367.55* | |
| | | *For Class 55 Rating, Add* | *2,040.29* | |
| | | *For Class 56 Rating, Add* | *2,704.01* | |
| 40 05 19 00-0858 | EA | 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,478.28 | 774.79 |
| | | *For Class 52 Rating, Deduct* | *-1,023.48* | |
| | | *For Class 54 Rating, Add* | *1,409.74* | |
| | | *For Class 55 Rating, Add* | *2,103.05* | |
| | | *For Class 56 Rating, Add* | *2,787.05* | |
| 40 05 19 00-0859 | EA | 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,764.05 | 778.02 |
| | | *For Class 52 Rating, Deduct* | *-1,054.38* | |
| | | *For Class 54 Rating, Add* | *1,451.93* | |
| | | *For Class 55 Rating, Add* | *2,165.80* | |
| | | *For Class 56 Rating, Add* | *2,870.09* | |
| 40 05 19 00-0860 | EA | 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,049.82 | 781.23 |
| | | *For Class 52 Rating, Deduct* | *-1,085.27* | |
| | | *For Class 54 Rating, Add* | *1,494.12* | |
| | | *For Class 55 Rating, Add* | *2,228.56* | |
| | | *For Class 56 Rating, Add* | *2,953.12* | |
| 40 05 19 00-0861 | EA | 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,335.59 | 784.46 |
| | | *For Class 52 Rating, Deduct* | *-1,116.17* | |
| | | *For Class 54 Rating, Add* | *1,536.32* | |
| | | *For Class 55 Rating, Add* | *2,291.31* | |
| | | *For Class 56 Rating, Add* | *3,036.16* | |
| 40 05 19 00-0862 | EA | 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,621.36 | 787.69 |
| | | *For Class 52 Rating, Deduct* | *-1,147.07* | |
| | | *For Class 54 Rating, Add* | *1,578.51* | |
| | | *For Class 55 Rating, Add* | *2,354.07* | |
| | | *For Class 56 Rating, Add* | *3,119.20* | |
| 40 05 19 00-0863 | EA | 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,907.13 | 790.90 |
| | | *For Class 52 Rating, Deduct* | *-1,177.97* | |
| | | *For Class 54 Rating, Add* | *1,620.70* | |
| | | *For Class 55 Rating, Add* | *2,416.82* | |
| | | *For Class 56 Rating, Add* | *3,202.23* | |
| 40 05 19 00-0864 | EA | 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,192.90 | 794.13 |
| | | *For Class 52 Rating, Deduct* | *-1,208.86* | |
| | | *For Class 54 Rating, Add* | *1,662.89* | |
| | | *For Class 55 Rating, Add* | *2,479.58* | |
| | | *For Class 56 Rating, Add* | *3,285.27* | |
| 40 05 19 00-0865 | EA | 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,478.67 | 797.35 |
| | | *For Class 52 Rating, Deduct* | *-1,239.76* | |
| | | *For Class 54 Rating, Add* | *1,705.08* | |
| | | *For Class 55 Rating, Add* | *2,542.33* | |
| | | *For Class 56 Rating, Add* | *3,368.31* | |
| 40 05 19 00-0866 | EA | 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,764.43 | 800.57 |
| | | *For Class 52 Rating, Deduct* | *-1,270.66* | |
| | | *For Class 54 Rating, Add* | *1,747.27* | |
| | | *For Class 55 Rating, Add* | *2,605.08* | |
| | | *For Class 56 Rating, Add* | *3,451.35* | |
| 40 05 19 00-0867 | EA | 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,050.20 | 803.80 |
| | | *For Class 52 Rating, Deduct* | *-1,301.56* | |
| | | *For Class 54 Rating, Add* | *1,789.47* | |
| | | *For Class 55 Rating, Add* | *2,667.84* | |
| | | *For Class 56 Rating, Add* | *3,534.38* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0868 | EA | 18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,335.98 | 807.02 |
| | | *For Class 52 Rating, Deduct* | *-1,332.46* | |
| | | *For Class 54 Rating, Add* | *1,831.66* | |
| | | *For Class 55 Rating, Add* | *2,730.60* | |
| | | *For Class 56 Rating, Add* | *3,617.42* | |
| 40 05 19 00-0869 | EA | 18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,621.74 | 810.25 |
| | | *For Class 52 Rating, Deduct* | *-1,363.35* | |
| | | *For Class 54 Rating, Add* | *1,873.85* | |
| | | *For Class 55 Rating, Add* | *2,793.35* | |
| | | *For Class 56 Rating, Add* | *3,700.46* | |
| 40 05 19 00-0870 | EA | 18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,907.52 | 813.46 |
| | | *For Class 52 Rating, Deduct* | *-1,394.25* | |
| | | *For Class 54 Rating, Add* | *1,916.04* | |
| | | *For Class 55 Rating, Add* | *2,856.11* | |
| | | *For Class 56 Rating, Add* | *3,783.50* | |
| 40 05 19 00-0871 | EA | 18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,193.29 | 816.69 |
| | | *For Class 52 Rating, Deduct* | *-1,425.15* | |
| | | *For Class 54 Rating, Add* | *1,958.23* | |
| | | *For Class 55 Rating, Add* | *2,918.86* | |
| | | *For Class 56 Rating, Add* | *3,866.53* | |

## 40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0873 | EA | 20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,199.93 | 796.05 |
| | | *For Class 52 Rating, Deduct* | *-329.32* | |
| | | *For Class 54 Rating, Add* | *463.54* | |
| | | *For Class 55 Rating, Add* | *696.56* | |
| | | *For Class 56 Rating, Add* | *926.59* | |
| 40 05 19 00-0874 | EA | 20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,527.83 | 799.28 |
| | | *For Class 52 Rating, Deduct* | *-364.85* | |
| | | *For Class 54 Rating, Add* | *512.05* | |
| | | *For Class 55 Rating, Add* | *768.71* | |
| | | *For Class 56 Rating, Add* | *1,022.05* | |
| 40 05 19 00-0875 | EA | 20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,855.74 | 802.50 |
| | | *For Class 52 Rating, Deduct* | *-400.38* | |
| | | *For Class 54 Rating, Add* | *560.56* | |
| | | *For Class 55 Rating, Add* | *840.86* | |
| | | *For Class 56 Rating, Add* | *1,117.52* | |
| 40 05 19 00-0876 | EA | 20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,183.64 | 805.73 |
| | | *For Class 52 Rating, Deduct* | *-435.91* | |
| | | *For Class 54 Rating, Add* | *609.08* | |
| | | *For Class 55 Rating, Add* | *913.01* | |
| | | *For Class 56 Rating, Add* | *1,212.99* | |
| 40 05 19 00-0877 | EA | 20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,511.54 | 808.95 |
| | | *For Class 52 Rating, Deduct* | *-471.44* | |
| | | *For Class 54 Rating, Add* | *657.59* | |
| | | *For Class 55 Rating, Add* | *985.16* | |
| | | *For Class 56 Rating, Add* | *1,308.45* | |
| 40 05 19 00-0878 | EA | 20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,839.44 | 812.17 |
| | | *For Class 52 Rating, Deduct* | *-506.98* | |
| | | *For Class 54 Rating, Add* | *706.10* | |
| | | *For Class 55 Rating, Add* | *1,057.31* | |
| | | *For Class 56 Rating, Add* | *1,403.92* | |
| 40 05 19 00-0879 | EA | 20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,167.34 | 815.40 |
| | | *For Class 52 Rating, Deduct* | *-542.51* | |
| | | *For Class 54 Rating, Add* | *754.61* | |
| | | *For Class 55 Rating, Add* | *1,129.46* | |
| | | *For Class 56 Rating, Add* | *1,499.39* | |
| 40 05 19 00-0880 | EA | 20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,495.25 | 818.61 |
| | | *For Class 52 Rating, Deduct* | *-578.04* | |
| | | *For Class 54 Rating, Add* | *803.12* | |
| | | *For Class 55 Rating, Add* | *1,201.62* | |
| | | *For Class 56 Rating, Add* | *1,594.85* | |
| 40 05 19 00-0881 | EA | 20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,823.15 | 821.84 |
| | | *For Class 52 Rating, Deduct* | *-613.57* | |
| | | *For Class 54 Rating, Add* | *851.63* | |
| | | *For Class 55 Rating, Add* | *1,273.77* | |
| | | *For Class 56 Rating, Add* | *1,690.32* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0882 | EA | 20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,151.05 | 825.07 |
| | | *For Class 52 Rating, Deduct* | *-649.11* | |
| | | *For Class 54 Rating, Add* | *900.15* | |
| | | *For Class 55 Rating, Add* | *1,345.92* | |
| | | *For Class 56 Rating, Add* | *1,785.79* | |
| 40 05 19 00-0883 | EA | 20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,478.95 | 828.28 |
| | | *For Class 52 Rating, Deduct* | *-684.64* | |
| | | *For Class 54 Rating, Add* | *948.66* | |
| | | *For Class 55 Rating, Add* | *1,418.06* | |
| | | *For Class 56 Rating, Add* | *1,881.25* | |
| 40 05 19 00-0884 | EA | 20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,806.85 | 831.51 |
| | | *For Class 52 Rating, Deduct* | *-720.17* | |
| | | *For Class 54 Rating, Add* | *997.17* | |
| | | *For Class 55 Rating, Add* | *1,490.22* | |
| | | *For Class 56 Rating, Add* | *1,976.72* | |
| 40 05 19 00-0885 | EA | 20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,134.76 | 834.73 |
| | | *For Class 52 Rating, Deduct* | *-755.70* | |
| | | *For Class 54 Rating, Add* | *1,045.68* | |
| | | *For Class 55 Rating, Add* | *1,562.37* | |
| | | *For Class 56 Rating, Add* | *2,072.18* | |
| 40 05 19 00-0886 | EA | 20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,462.66 | 837.95 |
| | | *For Class 52 Rating, Deduct* | *-791.23* | |
| | | *For Class 54 Rating, Add* | *1,094.19* | |
| | | *For Class 55 Rating, Add* | *1,634.52* | |
| | | *For Class 56 Rating, Add* | *2,167.65* | |
| 40 05 19 00-0887 | EA | 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,790.56 | 841.18 |
| | | *For Class 52 Rating, Deduct* | *-826.77* | |
| | | *For Class 54 Rating, Add* | *1,142.70* | |
| | | *For Class 55 Rating, Add* | *1,706.67* | |
| | | *For Class 56 Rating, Add* | *2,263.12* | |
| 40 05 19 00-0888 | EA | 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,118.47 | 844.40 |
| | | *For Class 52 Rating, Deduct* | *-862.30* | |
| | | *For Class 54 Rating, Add* | *1,191.21* | |
| | | *For Class 55 Rating, Add* | *1,778.82* | |
| | | *For Class 56 Rating, Add* | *2,358.58* | |
| 40 05 19 00-0889 | EA | 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,446.37 | 847.62 |
| | | *For Class 52 Rating, Deduct* | *-897.83* | |
| | | *For Class 54 Rating, Add* | *1,239.72* | |
| | | *For Class 55 Rating, Add* | *1,850.97* | |
| | | *For Class 56 Rating, Add* | *2,454.05* | |
| 40 05 19 00-0890 | EA | 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,774.27 | 850.85 |
| | | *For Class 52 Rating, Deduct* | *-933.36* | |
| | | *For Class 54 Rating, Add* | *1,288.24* | |
| | | *For Class 55 Rating, Add* | *1,923.12* | |
| | | *For Class 56 Rating, Add* | *2,549.52* | |
| 40 05 19 00-0891 | EA | 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,102.17 | 854.07 |
| | | *For Class 52 Rating, Deduct* | *-968.89* | |
| | | *For Class 54 Rating, Add* | *1,336.75* | |
| | | *For Class 55 Rating, Add* | *1,995.27* | |
| | | *For Class 56 Rating, Add* | *2,644.98* | |
| 40 05 19 00-0892 | EA | 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,430.07 | 857.30 |
| | | *For Class 52 Rating, Deduct* | *-1,004.43* | |
| | | *For Class 54 Rating, Add* | *1,385.26* | |
| | | *For Class 55 Rating, Add* | *2,067.42* | |
| | | *For Class 56 Rating, Add* | *2,740.45* | |
| 40 05 19 00-0893 | EA | 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,757.98 | 860.51 |
| | | *For Class 52 Rating, Deduct* | *-1,039.96* | |
| | | *For Class 54 Rating, Add* | *1,433.77* | |
| | | *For Class 55 Rating, Add* | *2,139.57* | |
| | | *For Class 56 Rating, Add* | *2,835.92* | |
| 40 05 19 00-0894 | EA | 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,085.88 | 863.74 |
| | | *For Class 52 Rating, Deduct* | *-1,075.49* | |
| | | *For Class 54 Rating, Add* | *1,482.28* | |
| | | *For Class 55 Rating, Add* | *2,211.72* | |
| | | *For Class 56 Rating, Add* | *2,931.38* | |
| 40 05 19 00-0895 | EA | 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,413.79 | 866.97 |
| | | *For Class 52 Rating, Deduct* | *-1,111.02* | |
| | | *For Class 54 Rating, Add* | *1,530.79* | |
| | | *For Class 55 Rating, Add* | *2,283.87* | |
| | | *For Class 56 Rating, Add* | *3,026.85* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0896 | EA | 20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,741.69 | 870.18 |
| | | *For Class 52 Rating, Deduct* | *-1,146.56* | |
| | | *For Class 54 Rating, Add* | *1,579.31* | |
| | | *For Class 55 Rating, Add* | *2,356.02* | |
| | | *For Class 56 Rating, Add* | *3,122.32* | |
| 40 05 19 00-0897 | EA | 20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,069.59 | 873.41 |
| | | *For Class 52 Rating, Deduct* | *-1,182.09* | |
| | | *For Class 54 Rating, Add* | *1,627.82* | |
| | | *For Class 55 Rating, Add* | *2,428.17* | |
| | | *For Class 56 Rating, Add* | *3,217.78* | |
| 40 05 19 00-0898 | EA | 20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,397.49 | 876.63 |
| | | *For Class 52 Rating, Deduct* | *-1,217.62* | |
| | | *For Class 54 Rating, Add* | *1,676.33* | |
| | | *For Class 55 Rating, Add* | *2,500.32* | |
| | | *For Class 56 Rating, Add* | *3,313.25* | |
| 40 05 19 00-0899 | EA | 20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,725.39 | 879.85 |
| | | *For Class 52 Rating, Deduct* | *-1,253.15* | |
| | | *For Class 54 Rating, Add* | *1,724.84* | |
| | | *For Class 55 Rating, Add* | *2,572.47* | |
| | | *For Class 56 Rating, Add* | *3,408.71* | |
| 40 05 19 00-0900 | EA | 20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,053.30 | 883.08 |
| | | *For Class 52 Rating, Deduct* | *-1,288.68* | |
| | | *For Class 54 Rating, Add* | *1,773.35* | |
| | | *For Class 55 Rating, Add* | *2,644.62* | |
| | | *For Class 56 Rating, Add* | *3,504.18* | |
| 40 05 19 00-0901 | EA | 20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,381.20 | 886.30 |
| | | *For Class 52 Rating, Deduct* | *-1,324.22* | |
| | | *For Class 54 Rating, Add* | *1,821.86* | |
| | | *For Class 55 Rating, Add* | *2,716.77* | |
| | | *For Class 56 Rating, Add* | *3,599.65* | |
| 40 05 19 00-0902 | EA | 20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,709.10 | 889.52 |
| | | *For Class 52 Rating, Deduct* | *-1,359.75* | |
| | | *For Class 54 Rating, Add* | *1,870.37* | |
| | | *For Class 55 Rating, Add* | *2,788.93* | |
| | | *For Class 56 Rating, Add* | *3,695.11* | |
| 40 05 19 00-0903 | EA | 20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,037.00 | 892.74 |
| | | *For Class 52 Rating, Deduct* | *-1,395.28* | |
| | | *For Class 54 Rating, Add* | *1,918.89* | |
| | | *For Class 55 Rating, Add* | *2,861.08* | |
| | | *For Class 56 Rating, Add* | *3,790.58* | |
| 40 05 19 00-0904 | EA | 20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,364.90 | 895.97 |
| | | *For Class 52 Rating, Deduct* | *-1,430.81* | |
| | | *For Class 54 Rating, Add* | *1,967.40* | |
| | | *For Class 55 Rating, Add* | *2,933.23* | |
| | | *For Class 56 Rating, Add* | *3,886.05* | |
| 40 05 19 00-0905 | EA | 20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,692.81 | 899.19 |
| | | *For Class 52 Rating, Deduct* | *-1,466.34* | |
| | | *For Class 54 Rating, Add* | *2,015.91* | |
| | | *For Class 55 Rating, Add* | *3,005.38* | |
| | | *For Class 56 Rating, Add* | *3,981.51* | |
| 40 05 19 00-0906 | EA | 20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,020.71 | 902.41 |
| | | *For Class 52 Rating, Deduct* | *-1,501.88* | |
| | | *For Class 54 Rating, Add* | *2,064.42* | |
| | | *For Class 55 Rating, Add* | *3,077.53* | |
| | | *For Class 56 Rating, Add* | *4,076.98* | |
| 40 05 19 00-0907 | EA | 20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,348.61 | 905.64 |
| | | *For Class 52 Rating, Deduct* | *-1,537.41* | |
| | | *For Class 54 Rating, Add* | *2,112.93* | |
| | | *For Class 55 Rating, Add* | *3,149.68* | |
| | | *For Class 56 Rating, Add* | *4,172.45* | |
| 40 05 19 00-0908 | EA | 20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,676.52 | 908.86 |
| | | *For Class 52 Rating, Deduct* | *-1,572.94* | |
| | | *For Class 54 Rating, Add* | *2,161.44* | |
| | | *For Class 55 Rating, Add* | *3,221.83* | |
| | | *For Class 56 Rating, Add* | *4,267.91* | |
| 40 05 19 00-0909 | EA | 20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,004.42 | 912.08 |
| | | *For Class 52 Rating, Deduct* | *-1,608.47* | |
| | | *For Class 54 Rating, Add* | *2,209.96* | |
| | | *For Class 55 Rating, Add* | *3,293.98* | |
| | | *For Class 56 Rating, Add* | *4,363.38* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0910 | EA | 20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,332.33 | 915.31 |
| | | *For Class 52 Rating, Deduct* | *-1,644.01* | |
| | | *For Class 54 Rating, Add* | *2,258.47* | |
| | | *For Class 55 Rating, Add* | *3,366.13* | |
| | | *For Class 56 Rating, Add* | *4,458.85* | |

## 40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0912 | EA | 24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,208.49 | 941.08 |
| | | *For Class 52 Rating, Deduct* | *-416.09* | |
| | | *For Class 54 Rating, Add* | *584.50* | |
| | | *For Class 55 Rating, Add* | *877.74* | |
| | | *For Class 56 Rating, Add* | *1,167.20* | |
| 40 05 19 00-0913 | EA | 24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,613.64 | 944.31 |
| | | *For Class 52 Rating, Deduct* | *-460.12* | |
| | | *For Class 54 Rating, Add* | *644.60* | |
| | | *For Class 55 Rating, Add* | *967.12* | |
| | | *For Class 56 Rating, Add* | *1,285.45* | |
| 40 05 19 00-0914 | EA | 24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,018.79 | 947.54 |
| | | *For Class 52 Rating, Deduct* | *-504.14* | |
| | | *For Class 54 Rating, Add* | *704.70* | |
| | | *For Class 55 Rating, Add* | *1,056.49* | |
| | | *For Class 56 Rating, Add* | *1,403.71* | |
| 40 05 19 00-0915 | EA | 24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,423.93 | 950.75 |
| | | *For Class 52 Rating, Deduct* | *-548.17* | |
| | | *For Class 54 Rating, Add* | *764.79* | |
| | | *For Class 55 Rating, Add* | *1,145.87* | |
| | | *For Class 56 Rating, Add* | *1,521.96* | |
| 40 05 19 00-0916 | EA | 24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,829.08 | 953.98 |
| | | *For Class 52 Rating, Deduct* | *-592.20* | |
| | | *For Class 54 Rating, Add* | *824.89* | |
| | | *For Class 55 Rating, Add* | *1,235.25* | |
| | | *For Class 56 Rating, Add* | *1,640.21* | |
| 40 05 19 00-0917 | EA | 24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,234.23 | 957.20 |
| | | *For Class 52 Rating, Deduct* | *-636.23* | |
| | | *For Class 54 Rating, Add* | *884.99* | |
| | | *For Class 55 Rating, Add* | *1,324.62* | |
| | | *For Class 56 Rating, Add* | *1,758.47* | |
| 40 05 19 00-0918 | EA | 24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,639.37 | 960.42 |
| | | *For Class 52 Rating, Deduct* | *-680.26* | |
| | | *For Class 54 Rating, Add* | *945.09* | |
| | | *For Class 55 Rating, Add* | *1,414.00* | |
| | | *For Class 56 Rating, Add* | *1,876.72* | |
| 40 05 19 00-0919 | EA | 24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,044.53 | 963.65 |
| | | *For Class 52 Rating, Deduct* | *-724.29* | |
| | | *For Class 54 Rating, Add* | *1,005.19* | |
| | | *For Class 55 Rating, Add* | *1,503.37* | |
| | | *For Class 56 Rating, Add* | *1,994.98* | |
| 40 05 19 00-0920 | EA | 24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,449.67 | 966.87 |
| | | *For Class 52 Rating, Deduct* | *-768.32* | |
| | | *For Class 54 Rating, Add* | *1,065.29* | |
| | | *For Class 55 Rating, Add* | *1,592.75* | |
| | | *For Class 56 Rating, Add* | *2,113.23* | |
| 40 05 19 00-0921 | EA | 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,854.81 | 970.10 |
| | | *For Class 52 Rating, Deduct* | *-812.35* | |
| | | *For Class 54 Rating, Add* | *1,125.38* | |
| | | *For Class 55 Rating, Add* | *1,682.12* | |
| | | *For Class 56 Rating, Add* | *2,231.48* | |
| 40 05 19 00-0922 | EA | 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,259.95 | 973.31 |
| | | *For Class 52 Rating, Deduct* | *-856.38* | |
| | | *For Class 54 Rating, Add* | *1,185.48* | |
| | | *For Class 55 Rating, Add* | *1,771.50* | |
| | | *For Class 56 Rating, Add* | *2,349.73* | |
| 40 05 19 00-0923 | EA | 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,665.10 | 976.54 |
| | | *For Class 52 Rating, Deduct* | *-900.41* | |
| | | *For Class 54 Rating, Add* | *1,245.58* | |
| | | *For Class 55 Rating, Add* | *1,860.88* | |
| | | *For Class 56 Rating, Add* | *2,467.99* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0924 | EA | 24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,070.25 | 979.77 |
| | | *For Class 52 Rating, Deduct* | *-944.43* | |
| | | *For Class 54 Rating, Add* | *1,305.68* | |
| | | *For Class 55 Rating, Add* | *1,950.25* | |
| | | *For Class 56 Rating, Add* | *2,586.24* | |
| 40 05 19 00-0925 | EA | 24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,475.39 | 982.98 |
| | | *For Class 52 Rating, Deduct* | *-988.46* | |
| | | *For Class 54 Rating, Add* | *1,365.78* | |
| | | *For Class 55 Rating, Add* | *2,039.63* | |
| | | *For Class 56 Rating, Add* | *2,704.49* | |
| 40 05 19 00-0926 | EA | 24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,880.54 | 986.21 |
| | | *For Class 52 Rating, Deduct* | *-1,032.49* | |
| | | *For Class 54 Rating, Add* | *1,425.87* | |
| | | *For Class 55 Rating, Add* | *2,129.00* | |
| | | *For Class 56 Rating, Add* | *2,822.75* | |
| 40 05 19 00-0927 | EA | 24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,285.69 | 989.43 |
| | | *For Class 52 Rating, Deduct* | *-1,076.52* | |
| | | *For Class 54 Rating, Add* | *1,485.97* | |
| | | *For Class 55 Rating, Add* | *2,218.38* | |
| | | *For Class 56 Rating, Add* | *2,941.00* | |
| 40 05 19 00-0928 | EA | 24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,690.83 | 992.65 |
| | | *For Class 52 Rating, Deduct* | *-1,120.55* | |
| | | *For Class 54 Rating, Add* | *1,546.07* | |
| | | *For Class 55 Rating, Add* | *2,307.76* | |
| | | *For Class 56 Rating, Add* | *3,059.25* | |
| 40 05 19 00-0929 | EA | 24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,095.99 | 995.88 |
| | | *For Class 52 Rating, Deduct* | *-1,164.58* | |
| | | *For Class 54 Rating, Add* | *1,606.17* | |
| | | *For Class 55 Rating, Add* | *2,397.13* | |
| | | *For Class 56 Rating, Add* | *3,177.51* | |
| 40 05 19 00-0930 | EA | 24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,501.13 | 999.10 |
| | | *For Class 52 Rating, Deduct* | *-1,208.61* | |
| | | *For Class 54 Rating, Add* | *1,666.27* | |
| | | *For Class 55 Rating, Add* | *2,486.51* | |
| | | *For Class 56 Rating, Add* | *3,295.76* | |
| 40 05 19 00-0931 | EA | 24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,906.28 | 1,002.32 |
| | | *For Class 52 Rating, Deduct* | *-1,252.64* | |
| | | *For Class 54 Rating, Add* | *1,726.36* | |
| | | *For Class 55 Rating, Add* | *2,575.88* | |
| | | *For Class 56 Rating, Add* | *3,414.01* | |
| 40 05 19 00-0932 | EA | 24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,311.43 | 1,005.55 |
| | | *For Class 52 Rating, Deduct* | *-1,296.67* | |
| | | *For Class 54 Rating, Add* | *1,786.46* | |
| | | *For Class 55 Rating, Add* | *2,665.26* | |
| | | *For Class 56 Rating, Add* | *3,532.27* | |
| 40 05 19 00-0933 | EA | 24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,716.57 | 1,008.77 |
| | | *For Class 52 Rating, Deduct* | *-1,340.69* | |
| | | *For Class 54 Rating, Add* | *1,846.56* | |
| | | *For Class 55 Rating, Add* | *2,754.64* | |
| | | *For Class 56 Rating, Add* | *3,650.52* | |
| 40 05 19 00-0934 | EA | 24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,121.71 | 1,011.99 |
| | | *For Class 52 Rating, Deduct* | *-1,384.72* | |
| | | *For Class 54 Rating, Add* | *1,906.66* | |
| | | *For Class 55 Rating, Add* | *2,844.01* | |
| | | *For Class 56 Rating, Add* | *3,768.77* | |
| 40 05 19 00-0935 | EA | 24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,526.86 | 1,015.21 |
| | | *For Class 52 Rating, Deduct* | *-1,428.75* | |
| | | *For Class 54 Rating, Add* | *1,966.76* | |
| | | *For Class 55 Rating, Add* | *2,933.39* | |
| | | *For Class 56 Rating, Add* | *3,887.03* | |
| 40 05 19 00-0936 | EA | 24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,932.00 | 1,018.44 |
| | | *For Class 52 Rating, Deduct* | *-1,472.78* | |
| | | *For Class 54 Rating, Add* | *2,026.85* | |
| | | *For Class 55 Rating, Add* | *3,022.76* | |
| | | *For Class 56 Rating, Add* | *4,005.28* | |
| 40 05 19 00-0937 | EA | 24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,337.15 | 1,021.67 |
| | | *For Class 52 Rating, Deduct* | *-1,516.81* | |
| | | *For Class 54 Rating, Add* | *2,086.95* | |
| | | *For Class 55 Rating, Add* | *3,112.14* | |
| | | *For Class 56 Rating, Add* | *4,123.54* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0938 | EA | 24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,742.29 | 1,024.88 |
| | | *For Class 52 Rating, Deduct* | *-1,560.84* | |
| | | *For Class 54 Rating, Add* | *2,147.05* | |
| | | *For Class 55 Rating, Add* | *3,201.51* | |
| | | *For Class 56 Rating, Add* | *4,241.79* | |
| 40 05 19 00-0939 | EA | 24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,147.45 | 1,028.11 |
| | | *For Class 52 Rating, Deduct* | *-1,604.87* | |
| | | *For Class 54 Rating, Add* | *2,207.15* | |
| | | *For Class 55 Rating, Add* | *3,290.89* | |
| | | *For Class 56 Rating, Add* | *4,360.04* | |
| 40 05 19 00-0940 | EA | 24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,552.59 | 1,031.33 |
| | | *For Class 52 Rating, Deduct* | *-1,648.90* | |
| | | *For Class 54 Rating, Add* | *2,267.25* | |
| | | *For Class 55 Rating, Add* | *3,380.27* | |
| | | *For Class 56 Rating, Add* | *4,478.30* | |
| 40 05 19 00-0941 | EA | 24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,040.74 | 1,089.34 |
| | | *For Class 52 Rating, Deduct* | *-1,692.93* | |
| | | *For Class 54 Rating, Add* | *2,328.34* | |
| | | *For Class 55 Rating, Add* | *3,471.63* | |
| | | *For Class 56 Rating, Add* | *4,599.54* | |
| 40 05 19 00-0942 | EA | 24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,445.90 | 1,092.57 |
| | | *For Class 52 Rating, Deduct* | *-1,736.96* | |
| | | *For Class 54 Rating, Add* | *2,388.44* | |
| | | *For Class 55 Rating, Add* | *3,561.01* | |
| | | *For Class 56 Rating, Add* | *4,717.79* | |
| 40 05 19 00-0943 | EA | 24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,851.04 | 1,095.78 |
| | | *For Class 52 Rating, Deduct* | *-1,780.98* | |
| | | *For Class 54 Rating, Add* | *2,448.54* | |
| | | *For Class 55 Rating, Add* | *3,650.39* | |
| | | *For Class 56 Rating, Add* | *4,836.04* | |
| 40 05 19 00-0944 | EA | 24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,256.19 | 1,099.01 |
| | | *For Class 52 Rating, Deduct* | *-1,825.01* | |
| | | *For Class 54 Rating, Add* | *2,508.64* | |
| | | *For Class 55 Rating, Add* | *3,739.76* | |
| | | *For Class 56 Rating, Add* | *4,954.30* | |
| 40 05 19 00-0945 | EA | 24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,661.34 | 1,102.24 |
| | | *For Class 52 Rating, Deduct* | *-1,869.04* | |
| | | *For Class 54 Rating, Add* | *2,568.73* | |
| | | *For Class 55 Rating, Add* | *3,829.14* | |
| | | *For Class 56 Rating, Add* | *5,072.55* | |
| 40 05 19 00-0946 | EA | 24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,066.48 | 1,105.45 |
| | | *For Class 52 Rating, Deduct* | *-1,913.07* | |
| | | *For Class 54 Rating, Add* | *2,628.83* | |
| | | *For Class 55 Rating, Add* | *3,918.51* | |
| | | *For Class 56 Rating, Add* | *5,190.80* | |
| 40 05 19 00-0947 | EA | 24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,471.63 | 1,108.68 |
| | | *For Class 52 Rating, Deduct* | *-1,957.10* | |
| | | *For Class 54 Rating, Add* | *2,688.93* | |
| | | *For Class 55 Rating, Add* | *4,007.89* | |
| | | *For Class 56 Rating, Add* | *5,309.06* | |
| 40 05 19 00-0948 | EA | 24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,876.78 | 1,111.90 |
| | | *For Class 52 Rating, Deduct* | *-2,001.13* | |
| | | *For Class 54 Rating, Add* | *2,749.03* | |
| | | *For Class 55 Rating, Add* | *4,097.27* | |
| | | *For Class 56 Rating, Add* | *5,427.31* | |
| 40 05 19 00-0949 | EA | 24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,281.93 | 1,115.12 |
| | | *For Class 52 Rating, Deduct* | *-2,045.16* | |
| | | *For Class 54 Rating, Add* | *2,809.13* | |
| | | *For Class 55 Rating, Add* | *4,186.64* | |
| | | *For Class 56 Rating, Add* | *5,545.57* | |

## 40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0951 | EA | 30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,050.93 | 1,327.84 |
| | | *For Class 52 Rating, Deduct* | *-664.30* | |
| | | *For Class 54 Rating, Add* | *930.00* | |
| | | *For Class 55 Rating, Add* | *1,395.00* | |
| | | *For Class 56 Rating, Add* | *1,853.95* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0952 | EA | 30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,633.97 | 1,331.06 |
| | | *For Class 52 Rating, Deduct* | *-727.89* | |
| | | *For Class 54 Rating, Add* | *1,016.78* | |
| | | *For Class 55 Rating, Add* | *1,524.04* | |
| | | *For Class 56 Rating, Add* | *2,024.68* | |
| 40 05 19 00-0953 | EA | 30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,217.01 | 1,334.28 |
| | | *For Class 52 Rating, Deduct* | *-791.49* | |
| | | *For Class 54 Rating, Add* | *1,103.57* | |
| | | *For Class 55 Rating, Add* | *1,653.09* | |
| | | *For Class 56 Rating, Add* | *2,195.41* | |
| 40 05 19 00-0954 | EA | 30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,800.05 | 1,337.51 |
| | | *For Class 52 Rating, Deduct* | *-855.09* | |
| | | *For Class 54 Rating, Add* | *1,190.35* | |
| | | *For Class 55 Rating, Add* | *1,782.13* | |
| | | *For Class 56 Rating, Add* | *2,366.15* | |
| 40 05 19 00-0955 | EA | 30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,383.10 | 1,340.72 |
| | | *For Class 52 Rating, Deduct* | *-918.69* | |
| | | *For Class 54 Rating, Add* | *1,277.13* | |
| | | *For Class 55 Rating, Add* | *1,911.18* | |
| | | *For Class 56 Rating, Add* | *2,536.88* | |
| 40 05 19 00-0956 | EA | 30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,966.14 | 1,343.95 |
| | | *For Class 52 Rating, Deduct* | *-982.28* | |
| | | *For Class 54 Rating, Add* | *1,363.91* | |
| | | *For Class 55 Rating, Add* | *2,040.23* | |
| | | *For Class 56 Rating, Add* | *2,707.61* | |
| 40 05 19 00-0957 | EA | 30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,549.17 | 1,347.18 |
| | | *For Class 52 Rating, Deduct* | *-1,045.88* | |
| | | *For Class 54 Rating, Add* | *1,450.69* | |
| | | *For Class 55 Rating, Add* | *2,169.27* | |
| | | *For Class 56 Rating, Add* | *2,878.34* | |
| 40 05 19 00-0958 | EA | 30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,132.22 | 1,350.40 |
| | | *For Class 52 Rating, Deduct* | *-1,109.48* | |
| | | *For Class 54 Rating, Add* | *1,537.48* | |
| | | *For Class 55 Rating, Add* | *2,298.32* | |
| | | *For Class 56 Rating, Add* | *3,049.08* | |
| 40 05 19 00-0959 | EA | 30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,715.26 | 1,353.62 |
| | | *For Class 52 Rating, Deduct* | *-1,173.08* | |
| | | *For Class 54 Rating, Add* | *1,624.26* | |
| | | *For Class 55 Rating, Add* | *2,427.37* | |
| | | *For Class 56 Rating, Add* | *3,219.81* | |
| 40 05 19 00-0960 | EA | 30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,298.31 | 1,356.84 |
| | | *For Class 52 Rating, Deduct* | *-1,236.67* | |
| | | *For Class 54 Rating, Add* | *1,711.04* | |
| | | *For Class 55 Rating, Add* | *2,556.41* | |
| | | *For Class 56 Rating, Add* | *3,390.54* | |
| 40 05 19 00-0961 | EA | 30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,881.35 | 1,360.07 |
| | | *For Class 52 Rating, Deduct* | *-1,300.27* | |
| | | *For Class 54 Rating, Add* | *1,797.82* | |
| | | *For Class 55 Rating, Add* | *2,685.46* | |
| | | *For Class 56 Rating, Add* | *3,561.27* | |
| 40 05 19 00-0962 | EA | 30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,464.38 | 1,363.29 |
| | | *For Class 52 Rating, Deduct* | *-1,363.87* | |
| | | *For Class 54 Rating, Add* | *1,884.61* | |
| | | *For Class 55 Rating, Add* | *2,814.50* | |
| | | *For Class 56 Rating, Add* | *3,732.00* | |
| 40 05 19 00-0963 | EA | 30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,047.42 | 1,366.51 |
| | | *For Class 52 Rating, Deduct* | *-1,427.46* | |
| | | *For Class 54 Rating, Add* | *1,971.39* | |
| | | *For Class 55 Rating, Add* | *2,943.55* | |
| | | *For Class 56 Rating, Add* | *3,902.74* | |
| 40 05 19 00-0964 | EA | 30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,630.46 | 1,369.74 |
| | | *For Class 52 Rating, Deduct* | *-1,491.06* | |
| | | *For Class 54 Rating, Add* | *2,058.17* | |
| | | *For Class 55 Rating, Add* | *3,072.60* | |
| | | *For Class 56 Rating, Add* | *4,073.47* | |
| 40 05 19 00-0965 | EA | 30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,213.51 | 1,372.95 |
| | | *For Class 52 Rating, Deduct* | *-1,554.66* | |
| | | *For Class 54 Rating, Add* | *2,144.95* | |
| | | *For Class 55 Rating, Add* | *3,201.64* | |
| | | *For Class 56 Rating, Add* | *4,244.20* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0966 | EA | 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,796.55 | 1,376.18 |
| | | *For Class 52 Rating, Deduct* | *-1,618.26* | |
| | | *For Class 54 Rating, Add* | *2,231.74* | |
| | | *For Class 55 Rating, Add* | *3,330.69* | |
| | | *For Class 56 Rating, Add* | *4,414.94* | |
| 40 05 19 00-0967 | EA | 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,379.58 | 1,379.41 |
| | | *For Class 52 Rating, Deduct* | *-1,681.85* | |
| | | *For Class 54 Rating, Add* | *2,318.52* | |
| | | *For Class 55 Rating, Add* | *3,459.74* | |
| | | *For Class 56 Rating, Add* | *4,585.67* | |
| 40 05 19 00-0968 | EA | 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,962.63 | 1,382.62 |
| | | *For Class 52 Rating, Deduct* | *-1,745.45* | |
| | | *For Class 54 Rating, Add* | *2,405.30* | |
| | | *For Class 55 Rating, Add* | *3,588.78* | |
| | | *For Class 56 Rating, Add* | *4,756.40* | |
| 40 05 19 00-0969 | EA | 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,545.67 | 1,385.85 |
| | | *For Class 52 Rating, Deduct* | *-1,809.05* | |
| | | *For Class 54 Rating, Add* | *2,492.08* | |
| | | *For Class 55 Rating, Add* | *3,717.83* | |
| | | *For Class 56 Rating, Add* | *4,927.13* | |
| 40 05 19 00-0970 | EA | 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,128.72 | 1,389.07 |
| | | *For Class 52 Rating, Deduct* | *-1,872.65* | |
| | | *For Class 54 Rating, Add* | *2,578.86* | |
| | | *For Class 55 Rating, Add* | *3,846.88* | |
| | | *For Class 56 Rating, Add* | *5,097.87* | |
| 40 05 19 00-0971 | EA | 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,711.75 | 1,392.29 |
| | | *For Class 52 Rating, Deduct* | *-1,936.24* | |
| | | *For Class 54 Rating, Add* | *2,665.65* | |
| | | *For Class 55 Rating, Add* | *3,975.92* | |
| | | *For Class 56 Rating, Add* | *5,268.60* | |
| 40 05 19 00-0972 | EA | 30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,294.79 | 1,395.52 |
| | | *For Class 52 Rating, Deduct* | *-1,999.84* | |
| | | *For Class 54 Rating, Add* | *2,752.43* | |
| | | *For Class 55 Rating, Add* | *4,104.97* | |
| | | *For Class 56 Rating, Add* | *5,439.33* | |
| 40 05 19 00-0973 | EA | 30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,877.84 | 1,398.74 |
| | | *For Class 52 Rating, Deduct* | *-2,063.44* | |
| | | *For Class 54 Rating, Add* | *2,839.21* | |
| | | *For Class 55 Rating, Add* | *4,234.02* | |
| | | *For Class 56 Rating, Add* | *5,610.06* | |
| 40 05 19 00-0974 | EA | 30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 21,460.88 | 1,401.97 |
| | | *For Class 52 Rating, Deduct* | *-2,127.04* | |
| | | *For Class 54 Rating, Add* | *2,925.99* | |
| | | *For Class 55 Rating, Add* | *4,363.06* | |
| | | *For Class 56 Rating, Add* | *5,780.79* | |
| 40 05 19 00-0975 | EA | 30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,043.92 | 1,405.18 |
| | | *For Class 52 Rating, Deduct* | *-2,190.63* | |
| | | *For Class 54 Rating, Add* | *3,012.78* | |
| | | *For Class 55 Rating, Add* | *4,492.11* | |
| | | *For Class 56 Rating, Add* | *5,951.53* | |
| 40 05 19 00-0976 | EA | 30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,626.95 | 1,408.41 |
| | | *For Class 52 Rating, Deduct* | *-2,254.23* | |
| | | *For Class 54 Rating, Add* | *3,099.56* | |
| | | *For Class 55 Rating, Add* | *4,621.15* | |
| | | *For Class 56 Rating, Add* | *6,122.26* | |
| 40 05 19 00-0977 | EA | 30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 23,209.99 | 1,411.64 |
| | | *For Class 52 Rating, Deduct* | *-2,317.83* | |
| | | *For Class 54 Rating, Add* | *3,186.34* | |
| | | *For Class 55 Rating, Add* | *4,750.20* | |
| | | *For Class 56 Rating, Add* | *6,292.99* | |
| 40 05 19 00-0978 | EA | 30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 23,793.04 | 1,414.85 |
| | | *For Class 52 Rating, Deduct* | *-2,381.43* | |
| | | *For Class 54 Rating, Add* | *3,273.12* | |
| | | *For Class 55 Rating, Add* | *4,879.25* | |
| | | *For Class 56 Rating, Add* | *6,463.72* | |
| 40 05 19 00-0979 | EA | 30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,376.08 | 1,418.08 |
| | | *For Class 52 Rating, Deduct* | *-2,445.02* | |
| | | *For Class 54 Rating, Add* | *3,359.91* | |
| | | *For Class 55 Rating, Add* | *5,008.29* | |
| | | *For Class 56 Rating, Add* | *6,634.46* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0980 | EA | 30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,959.13 | 1,421.30 |
| | | *For Class 52 Rating, Deduct* | *-2,508.62* | |
| | | *For Class 54 Rating, Add* | *3,446.69* | |
| | | *For Class 55 Rating, Add* | *5,137.34* | |
| | | *For Class 56 Rating, Add* | *6,805.19* | |
| 40 05 19 00-0981 | EA | 30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 25,542.16 | 1,424.52 |
| | | *For Class 52 Rating, Deduct* | *-2,572.22* | |
| | | *For Class 54 Rating, Add* | *3,533.47* | |
| | | *For Class 55 Rating, Add* | *5,266.39* | |
| | | *For Class 56 Rating, Add* | *6,975.92* | |
| 40 05 19 00-0982 | EA | 30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 26,125.20 | 1,427.75 |
| | | *For Class 52 Rating, Deduct* | *-2,635.81* | |
| | | *For Class 54 Rating, Add* | *3,620.25* | |
| | | *For Class 55 Rating, Add* | *5,395.43* | |
| | | *For Class 56 Rating, Add* | *7,146.65* | |
| 40 05 19 00-0983 | EA | 30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 26,708.25 | 1,430.97 |
| | | *For Class 52 Rating, Deduct* | *-2,699.41* | |
| | | *For Class 54 Rating, Add* | *3,707.03* | |
| | | *For Class 55 Rating, Add* | *5,524.48* | |
| | | *For Class 56 Rating, Add* | *7,317.39* | |
| 40 05 19 00-0984 | EA | 30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 27,291.29 | 1,434.19 |
| | | *For Class 52 Rating, Deduct* | *-2,763.01* | |
| | | *For Class 54 Rating, Add* | *3,793.82* | |
| | | *For Class 55 Rating, Add* | *5,653.53* | |
| | | *For Class 56 Rating, Add* | *7,488.12* | |
| 40 05 19 00-0985 | EA | 30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 27,874.33 | 1,437.41 |
| | | *For Class 52 Rating, Deduct* | *-2,826.61* | |
| | | *For Class 54 Rating, Add* | *3,880.60* | |
| | | *For Class 55 Rating, Add* | *5,782.57* | |
| | | *For Class 56 Rating, Add* | *7,658.85* | |
| 40 05 19 00-0986 | EA | 30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 28,457.37 | 1,440.64 |
| | | *For Class 52 Rating, Deduct* | *-2,890.20* | |
| | | *For Class 54 Rating, Add* | *3,967.38* | |
| | | *For Class 55 Rating, Add* | *5,911.62* | |
| | | *For Class 56 Rating, Add* | *7,829.58* | |
| 40 05 19 00-0987 | EA | 30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 29,040.41 | 1,443.86 |
| | | *For Class 52 Rating, Deduct* | *-2,953.80* | |
| | | *For Class 54 Rating, Add* | *4,054.16* | |
| | | *For Class 55 Rating, Add* | *6,040.67* | |
| | | *For Class 56 Rating, Add* | *8,000.31* | |
| 40 05 19 00-0988 | EA | 30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 29,623.45 | 1,447.08 |
| | | *For Class 52 Rating, Deduct* | *-3,017.40* | |
| | | *For Class 54 Rating, Add* | *4,140.95* | |
| | | *For Class 55 Rating, Add* | *6,169.71* | |
| | | *For Class 56 Rating, Add* | *8,171.05* | |

## 40 05 19 00-0989 36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-0990 | EA | 36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,062.22 | 1,682.35 |
| | | *For Class 52 Rating, Deduct* | *-936.45* | |
| | | *For Class 54 Rating, Add* | *1,307.57* | |
| | | *For Class 55 Rating, Add* | *1,959.62* | |
| | | *For Class 56 Rating, Add* | *2,603.16* | |
| 40 05 19 00-0991 | EA | 36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,853.58 | 1,685.58 |
| | | *For Class 52 Rating, Deduct* | *-1,022.96* | |
| | | *For Class 54 Rating, Add* | *1,425.60* | |
| | | *For Class 55 Rating, Add* | *2,135.12* | |
| | | *For Class 56 Rating, Add* | *2,835.35* | |
| 40 05 19 00-0992 | EA | 36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,644.95 | 1,688.81 |
| | | *For Class 52 Rating, Deduct* | *-1,109.48* | |
| | | *For Class 54 Rating, Add* | *1,543.63* | |
| | | *For Class 55 Rating, Add* | *2,310.62* | |
| | | *For Class 56 Rating, Add* | *3,067.53* | |
| 40 05 19 00-0993 | EA | 36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,436.31 | 1,692.02 |
| | | *For Class 52 Rating, Deduct* | *-1,195.99* | |
| | | *For Class 54 Rating, Add* | *1,661.66* | |
| | | *For Class 55 Rating, Add* | *2,486.13* | |
| | | *For Class 56 Rating, Add* | *3,299.72* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-0994 | EA | 36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,227.69 | 1,695.25 |
| | | *For Class 52 Rating, Deduct* | *-1,282.50* | |
| | | *For Class 54 Rating, Add* | *1,779.69* | |
| | | *For Class 55 Rating, Add* | *2,661.63* | |
| | | *For Class 56 Rating, Add* | *3,531.91* | |
| 40 05 19 00-0995 | EA | 36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,019.05 | 1,698.47 |
| | | *For Class 52 Rating, Deduct* | *-1,369.02* | |
| | | *For Class 54 Rating, Add* | *1,897.72* | |
| | | *For Class 55 Rating, Add* | *2,837.13* | |
| | | *For Class 56 Rating, Add* | *3,764.10* | |
| 40 05 19 00-0996 | EA | 36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,810.41 | 1,701.69 |
| | | *For Class 52 Rating, Deduct* | *-1,455.53* | |
| | | *For Class 54 Rating, Add* | *2,015.75* | |
| | | *For Class 55 Rating, Add* | *3,012.64* | |
| | | *For Class 56 Rating, Add* | *3,996.29* | |
| 40 05 19 00-0997 | EA | 36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,601.78 | 1,704.92 |
| | | *For Class 52 Rating, Deduct* | *-1,542.04* | |
| | | *For Class 54 Rating, Add* | *2,133.78* | |
| | | *For Class 55 Rating, Add* | *3,188.14* | |
| | | *For Class 56 Rating, Add* | *4,228.47* | |
| 40 05 19 00-0998 | EA | 36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,393.14 | 1,708.14 |
| | | *For Class 52 Rating, Deduct* | *-1,628.56* | |
| | | *For Class 54 Rating, Add* | *2,251.81* | |
| | | *For Class 55 Rating, Add* | *3,363.64* | |
| | | *For Class 56 Rating, Add* | *4,460.66* | |
| 40 05 19 00-0999 | EA | 36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,184.52 | 1,711.36 |
| | | *For Class 52 Rating, Deduct* | *-1,715.07* | |
| | | *For Class 54 Rating, Add* | *2,369.85* | |
| | | *For Class 55 Rating, Add* | *3,539.14* | |
| | | *For Class 56 Rating, Add* | *4,692.85* | |
| 40 05 19 00-1000 | EA | 36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,975.88 | 1,714.58 |
| | | *For Class 52 Rating, Deduct* | *-1,801.58* | |
| | | *For Class 54 Rating, Add* | *2,487.88* | |
| | | *For Class 55 Rating, Add* | *3,714.65* | |
| | | *For Class 56 Rating, Add* | *4,925.04* | |
| 40 05 19 00-1001 | EA | 36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,767.24 | 1,717.81 |
| | | *For Class 52 Rating, Deduct* | *-1,888.10* | |
| | | *For Class 54 Rating, Add* | *2,605.91* | |
| | | *For Class 55 Rating, Add* | *3,890.15* | |
| | | *For Class 56 Rating, Add* | *5,157.23* | |
| 40 05 19 00-1002 | EA | 36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,558.60 | 1,721.03 |
| | | *For Class 52 Rating, Deduct* | *-1,974.61* | |
| | | *For Class 54 Rating, Add* | *2,723.94* | |
| | | *For Class 55 Rating, Add* | *4,065.65* | |
| | | *For Class 56 Rating, Add* | *5,389.41* | |
| 40 05 19 00-1003 | EA | 36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 21,349.96 | 1,724.25 |
| | | *For Class 52 Rating, Deduct* | *-2,061.12* | |
| | | *For Class 54 Rating, Add* | *2,841.97* | |
| | | *For Class 55 Rating, Add* | *4,241.15* | |
| | | *For Class 56 Rating, Add* | *5,621.60* | |
| 40 05 19 00-1004 | EA | 36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,141.34 | 1,727.48 |
| | | *For Class 52 Rating, Deduct* | *-2,147.63* | |
| | | *For Class 54 Rating, Add* | *2,960.00* | |
| | | *For Class 55 Rating, Add* | *4,416.66* | |
| | | *For Class 56 Rating, Add* | *5,853.79* | |
| 40 05 19 00-1005 | EA | 36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,932.70 | 1,730.70 |
| | | *For Class 52 Rating, Deduct* | *-2,234.15* | |
| | | *For Class 54 Rating, Add* | *3,078.03* | |
| | | *For Class 55 Rating, Add* | *4,592.16* | |
| | | *For Class 56 Rating, Add* | *6,085.98* | |
| 40 05 19 00-1006 | EA | 36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 23,724.06 | 1,733.92 |
| | | *For Class 52 Rating, Deduct* | *-2,320.66* | |
| | | *For Class 54 Rating, Add* | *3,196.06* | |
| | | *For Class 55 Rating, Add* | *4,767.66* | |
| | | *For Class 56 Rating, Add* | *6,318.17* | |
| 40 05 19 00-1007 | EA | 36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,515.43 | 1,737.15 |
| | | *For Class 52 Rating, Deduct* | *-2,407.17* | |
| | | *For Class 54 Rating, Add* | *3,314.09* | |
| | | *For Class 55 Rating, Add* | *4,943.16* | |
| | | *For Class 56 Rating, Add* | *6,550.35* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1008 | EA | 36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 25,306.79 | 1,740.37 |
| | | *For Class 52 Rating, Deduct* | *-2,493.69* | |
| | | *For Class 54 Rating, Add* | *3,432.12* | |
| | | *For Class 55 Rating, Add* | *5,118.67* | |
| | | *For Class 56 Rating, Add* | *6,782.54* | |
| 40 05 19 00-1009 | EA | 36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 26,098.17 | 1,743.59 |
| | | *For Class 52 Rating, Deduct* | *-2,580.20* | |
| | | *For Class 54 Rating, Add* | *3,550.16* | |
| | | *For Class 55 Rating, Add* | *5,294.17* | |
| | | *For Class 56 Rating, Add* | *7,014.73* | |
| 40 05 19 00-1010 | EA | 36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 26,889.53 | 1,746.81 |
| | | *For Class 52 Rating, Deduct* | *-2,666.71* | |
| | | *For Class 54 Rating, Add* | *3,668.19* | |
| | | *For Class 55 Rating, Add* | *5,469.67* | |
| | | *For Class 56 Rating, Add* | *7,246.92* | |
| 40 05 19 00-1011 | EA | 36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 27,680.89 | 1,750.04 |
| | | *For Class 52 Rating, Deduct* | *-2,753.23* | |
| | | *For Class 54 Rating, Add* | *3,786.22* | |
| | | *For Class 55 Rating, Add* | *5,645.18* | |
| | | *For Class 56 Rating, Add* | *7,479.11* | |
| 40 05 19 00-1012 | EA | 36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 28,472.26 | 1,753.26 |
| | | *For Class 52 Rating, Deduct* | *-2,839.74* | |
| | | *For Class 54 Rating, Add* | *3,904.25* | |
| | | *For Class 55 Rating, Add* | *5,820.68* | |
| | | *For Class 56 Rating, Add* | *7,711.29* | |
| 40 05 19 00-1013 | EA | 36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 29,263.62 | 1,756.48 |
| | | *For Class 52 Rating, Deduct* | *-2,926.25* | |
| | | *For Class 54 Rating, Add* | *4,022.28* | |
| | | *For Class 55 Rating, Add* | *5,996.18* | |
| | | *For Class 56 Rating, Add* | *7,943.48* | |
| 40 05 19 00-1014 | EA | 36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 30,054.99 | 1,759.71 |
| | | *For Class 52 Rating, Deduct* | *-3,012.76* | |
| | | *For Class 54 Rating, Add* | *4,140.31* | |
| | | *For Class 55 Rating, Add* | *6,171.68* | |
| | | *For Class 56 Rating, Add* | *8,175.67* | |
| 40 05 19 00-1015 | EA | 36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 30,846.35 | 1,762.93 |
| | | *For Class 52 Rating, Deduct* | *-3,099.28* | |
| | | *For Class 54 Rating, Add* | *4,258.34* | |
| | | *For Class 55 Rating, Add* | *6,347.19* | |
| | | *For Class 56 Rating, Add* | *8,407.86* | |
| 40 05 19 00-1016 | EA | 36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 31,637.71 | 1,766.15 |
| | | *For Class 52 Rating, Deduct* | *-3,185.79* | |
| | | *For Class 54 Rating, Add* | *4,376.37* | |
| | | *For Class 55 Rating, Add* | *6,522.69* | |
| | | *For Class 56 Rating, Add* | *8,640.05* | |
| 40 05 19 00-1017 | EA | 36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 32,429.08 | 1,769.38 |
| | | *For Class 52 Rating, Deduct* | *-3,272.30* | |
| | | *For Class 54 Rating, Add* | *4,494.40* | |
| | | *For Class 55 Rating, Add* | *6,698.19* | |
| | | *For Class 56 Rating, Add* | *8,872.23* | |
| 40 05 19 00-1018 | EA | 36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 33,220.44 | 1,772.59 |
| | | *For Class 52 Rating, Deduct* | *-3,358.82* | |
| | | *For Class 54 Rating, Add* | *4,612.43* | |
| | | *For Class 55 Rating, Add* | *6,873.69* | |
| | | *For Class 56 Rating, Add* | *9,104.42* | |
| 40 05 19 00-1019 | EA | 36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 34,011.81 | 1,775.82 |
| | | *For Class 52 Rating, Deduct* | *-3,445.33* | |
| | | *For Class 54 Rating, Add* | *4,730.46* | |
| | | *For Class 55 Rating, Add* | *7,049.20* | |
| | | *For Class 56 Rating, Add* | *9,336.61* | |
| 40 05 19 00-1020 | EA | 36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 34,803.18 | 1,779.05 |
| | | *For Class 52 Rating, Deduct* | *-3,531.84* | |
| | | *For Class 54 Rating, Add* | *4,848.50* | |
| | | *For Class 55 Rating, Add* | *7,224.70* | |
| | | *For Class 56 Rating, Add* | *9,568.80* | |
| 40 05 19 00-1021 | EA | 36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 35,594.54 | 1,782.26 |
| | | *For Class 52 Rating, Deduct* | *-3,618.36* | |
| | | *For Class 54 Rating, Add* | *4,966.53* | |
| | | *For Class 55 Rating, Add* | *7,400.20* | |
| | | *For Class 56 Rating, Add* | *9,800.99* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1022 | EA | 36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 36,385.91 | 1,785.49 |
| | | *For Class 52 Rating, Deduct* | *-3,704.87* | |
| | | *For Class 54 Rating, Add* | *5,084.56* | |
| | | *For Class 55 Rating, Add* | *7,575.71* | |
| | | *For Class 56 Rating, Add* | *10,033.17* | |
| 40 05 19 00-1023 | EA | 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 37,177.27 | 1,788.71 |
| | | *For Class 52 Rating, Deduct* | *-3,791.38* | |
| | | *For Class 54 Rating, Add* | *5,202.59* | |
| | | *For Class 55 Rating, Add* | *7,751.21* | |
| | | *For Class 56 Rating, Add* | *10,265.36* | |
| 40 05 19 00-1024 | EA | 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 37,968.64 | 1,791.94 |
| | | *For Class 52 Rating, Deduct* | *-3,877.89* | |
| | | *For Class 54 Rating, Add* | *5,320.62* | |
| | | *For Class 55 Rating, Add* | *7,926.71* | |
| | | *For Class 56 Rating, Add* | *10,497.55* | |
| 40 05 19 00-1025 | EA | 36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 38,760.01 | 1,795.16 |
| | | *For Class 52 Rating, Deduct* | *-3,964.41* | |
| | | *For Class 54 Rating, Add* | *5,438.65* | |
| | | *For Class 55 Rating, Add* | *8,102.21* | |
| | | *For Class 56 Rating, Add* | *10,729.74* | |
| 40 05 19 00-1026 | EA | 36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 39,551.37 | 1,798.38 |
| | | *For Class 52 Rating, Deduct* | *-4,050.92* | |
| | | *For Class 54 Rating, Add* | *5,556.68* | |
| | | *For Class 55 Rating, Add* | *8,277.72* | |
| | | *For Class 56 Rating, Add* | *10,961.93* | |
| 40 05 19 00-1027 | EA | 36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 40,342.73 | 1,801.61 |
| | | *For Class 52 Rating, Deduct* | *-4,137.43* | |
| | | *For Class 54 Rating, Add* | *5,674.71* | |
| | | *For Class 55 Rating, Add* | *8,453.22* | |
| | | *For Class 56 Rating, Add* | *11,194.11* | |

## 40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

## 40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1030 | EA | 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 578.21 | 157.62 |
| | | *For Class 52 Rating, Deduct* | *-37.33* | |
| | | *For Class 54 Rating, Add* | *53.78* | |
| | | *For Class 55 Rating, Add* | *81.42* | |
| | | *For Class 56 Rating, Add* | *108.72* | |
| 40 05 19 00-1031 | EA | 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 643.25 | 160.37 |
| | | *For Class 52 Rating, Deduct* | *-44.03* | |
| | | *For Class 54 Rating, Add* | *62.95* | |
| | | *For Class 55 Rating, Add* | *95.09* | |
| | | *For Class 56 Rating, Add* | *126.82* | |
| 40 05 19 00-1032 | EA | 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 708.28 | 163.13 |
| | | *For Class 52 Rating, Deduct* | *-50.72* | |
| | | *For Class 54 Rating, Add* | *72.13* | |
| | | *For Class 55 Rating, Add* | *108.76* | |
| | | *For Class 56 Rating, Add* | *144.93* | |
| 40 05 19 00-1033 | EA | 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 773.32 | 165.88 |
| | | *For Class 52 Rating, Deduct* | *-57.42* | |
| | | *For Class 54 Rating, Add* | *81.31* | |
| | | *For Class 55 Rating, Add* | *122.43* | |
| | | *For Class 56 Rating, Add* | *163.03* | |
| 40 05 19 00-1034 | EA | 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 838.35 | 168.64 |
| | | *For Class 52 Rating, Deduct* | *-64.11* | |
| | | *For Class 54 Rating, Add* | *90.49* | |
| | | *For Class 55 Rating, Add* | *136.11* | |
| | | *For Class 56 Rating, Add* | *181.14* | |
| 40 05 19 00-1035 | EA | 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 903.39 | 171.40 |
| | | *For Class 52 Rating, Deduct* | *-70.81* | |
| | | *For Class 54 Rating, Add* | *99.67* | |
| | | *For Class 55 Rating, Add* | *149.78* | |
| | | *For Class 56 Rating, Add* | *199.24* | |
| 40 05 19 00-1036 | EA | 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 968.42 | 174.16 |
| | | *For Class 52 Rating, Deduct* | *-77.50* | |
| | | *For Class 54 Rating, Add* | *108.85* | |
| | | *For Class 55 Rating, Add* | *163.45* | |
| | | *For Class 56 Rating, Add* | *217.34* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1037 | EA | 4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,033.46 | 176.91 |
| | | *For Class 52 Rating, Deduct* | *-84.20* | |
| | | *For Class 54 Rating, Add* | *118.03* | |
| | | *For Class 55 Rating, Add* | *177.12* | |
| | | *For Class 56 Rating, Add* | *235.45* | |
| 40 05 19 00-1038 | EA | 4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,098.49 | 179.67 |
| | | *For Class 52 Rating, Deduct* | *-90.89* | |
| | | *For Class 54 Rating, Add* | *127.21* | |
| | | *For Class 55 Rating, Add* | *190.79* | |
| | | *For Class 56 Rating, Add* | *253.55* | |
| 40 05 19 00-1039 | EA | 4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,163.52 | 182.42 |
| | | *For Class 52 Rating, Deduct* | *-97.58* | |
| | | *For Class 54 Rating, Add* | *136.39* | |
| | | *For Class 55 Rating, Add* | *204.46* | |
| | | *For Class 56 Rating, Add* | *271.65* | |
| 40 05 19 00-1040 | EA | 4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,228.55 | 185.17 |
| | | *For Class 52 Rating, Deduct* | *-104.28* | |
| | | *For Class 54 Rating, Add* | *145.57* | |
| | | *For Class 55 Rating, Add* | *218.14* | |
| | | *For Class 56 Rating, Add* | *289.76* | |
| 40 05 19 00-1041 | EA | 4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,293.59 | 187.93 |
| | | *For Class 52 Rating, Deduct* | *-110.97* | |
| | | *For Class 54 Rating, Add* | *154.74* | |
| | | *For Class 55 Rating, Add* | *231.81* | |
| | | *For Class 56 Rating, Add* | *307.86* | |
| 40 05 19 00-1042 | EA | 4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,358.63 | 190.69 |
| | | *For Class 52 Rating, Deduct* | *-117.67* | |
| | | *For Class 54 Rating, Add* | *163.92* | |
| | | *For Class 55 Rating, Add* | *245.48* | |
| | | *For Class 56 Rating, Add* | *325.97* | |
| 40 05 19 00-1043 | EA | 4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,423.66 | 193.45 |
| | | *For Class 52 Rating, Deduct* | *-124.36* | |
| | | *For Class 54 Rating, Add* | *173.10* | |
| | | *For Class 55 Rating, Add* | *259.15* | |
| | | *For Class 56 Rating, Add* | *344.07* | |
| 40 05 19 00-1044 | EA | 4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,488.69 | 196.20 |
| | | *For Class 52 Rating, Deduct* | *-131.06* | |
| | | *For Class 54 Rating, Add* | *182.28* | |
| | | *For Class 55 Rating, Add* | *272.82* | |
| | | *For Class 56 Rating, Add* | *362.17* | |
| 40 05 19 00-1045 | EA | 4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,553.72 | 198.96 |
| | | *For Class 52 Rating, Deduct* | *-137.75* | |
| | | *For Class 54 Rating, Add* | *191.46* | |
| | | *For Class 55 Rating, Add* | *286.49* | |
| | | *For Class 56 Rating, Add* | *380.28* | |
| 40 05 19 00-1046 | EA | 4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,618.76 | 201.72 |
| | | *For Class 52 Rating, Deduct* | *-144.45* | |
| | | *For Class 54 Rating, Add* | *200.64* | |
| | | *For Class 55 Rating, Add* | *300.17* | |
| | | *For Class 56 Rating, Add* | *398.38* | |
| 40 05 19 00-1047 | EA | 4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,683.79 | 204.46 |
| | | *For Class 52 Rating, Deduct* | *-151.14* | |
| | | *For Class 54 Rating, Add* | *209.82* | |
| | | *For Class 55 Rating, Add* | *313.84* | |
| | | *For Class 56 Rating, Add* | *416.48* | |
| 40 05 19 00-1048 | EA | 4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,748.82 | 207.22 |
| | | *For Class 52 Rating, Deduct* | *-157.83* | |
| | | *For Class 54 Rating, Add* | *219.00* | |
| | | *For Class 55 Rating, Add* | *327.51* | |
| | | *For Class 56 Rating, Add* | *434.59* | |
| 40 05 19 00-1049 | EA | 4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,813.86 | 209.98 |
| | | *For Class 52 Rating, Deduct* | *-164.53* | |
| | | *For Class 54 Rating, Add* | *228.18* | |
| | | *For Class 55 Rating, Add* | *341.18* | |
| | | *For Class 56 Rating, Add* | *452.69* | |
| 40 05 19 00-1050 | EA | 4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,878.90 | 212.73 |
| | | *For Class 52 Rating, Deduct* | *-171.22* | |
| | | *For Class 54 Rating, Add* | *237.35* | |
| | | *For Class 55 Rating, Add* | *354.85* | |
| | | *For Class 56 Rating, Add* | *470.79* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1051 | EA | 4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,943.93 | 215.48 |
| | | *For Class 52 Rating, Deduct* | *-177.92* | |
| | | *For Class 54 Rating, Add* | *246.53* | |
| | | *For Class 55 Rating, Add* | *368.52* | |
| | | *For Class 56 Rating, Add* | *488.90* | |
| 40 05 19 00-1052 | EA | 4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,008.96 | 218.24 |
| | | *For Class 52 Rating, Deduct* | *-184.61* | |
| | | *For Class 54 Rating, Add* | *255.71* | |
| | | *For Class 55 Rating, Add* | *382.20* | |
| | | *For Class 56 Rating, Add* | *507.00* | |
| 40 05 19 00-1053 | EA | 4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,074.00 | 221.00 |
| | | *For Class 52 Rating, Deduct* | *-191.31* | |
| | | *For Class 54 Rating, Add* | *264.89* | |
| | | *For Class 55 Rating, Add* | *395.87* | |
| | | *For Class 56 Rating, Add* | *525.11* | |
| 40 05 19 00-1054 | EA | 4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,139.03 | 223.75 |
| | | *For Class 52 Rating, Deduct* | *-198.00* | |
| | | *For Class 54 Rating, Add* | *274.07* | |
| | | *For Class 55 Rating, Add* | *409.54* | |
| | | *For Class 56 Rating, Add* | *543.21* | |
| 40 05 19 00-1055 | EA | 4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,204.06 | 226.50 |
| | | *For Class 52 Rating, Deduct* | *-204.70* | |
| | | *For Class 54 Rating, Add* | *283.25* | |
| | | *For Class 55 Rating, Add* | *423.21* | |
| | | *For Class 56 Rating, Add* | *561.31* | |
| 40 05 19 00-1056 | EA | 4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,269.09 | 229.26 |
| | | *For Class 52 Rating, Deduct* | *-211.39* | |
| | | *For Class 54 Rating, Add* | *292.43* | |
| | | *For Class 55 Rating, Add* | *436.88* | |
| | | *For Class 56 Rating, Add* | *579.42* | |
| 40 05 19 00-1057 | EA | 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,334.13 | 232.02 |
| | | *For Class 52 Rating, Deduct* | *-218.08* | |
| | | *For Class 54 Rating, Add* | *301.61* | |
| | | *For Class 55 Rating, Add* | *450.55* | |
| | | *For Class 56 Rating, Add* | *597.52* | |
| 40 05 19 00-1058 | EA | 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,399.17 | 234.77 |
| | | *For Class 52 Rating, Deduct* | *-224.78* | |
| | | *For Class 54 Rating, Add* | *310.79* | |
| | | *For Class 55 Rating, Add* | *464.23* | |
| | | *For Class 56 Rating, Add* | *615.62* | |
| 40 05 19 00-1059 | EA | 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,464.20 | 237.53 |
| | | *For Class 52 Rating, Deduct* | *-231.47* | |
| | | *For Class 54 Rating, Add* | *319.97* | |
| | | *For Class 55 Rating, Add* | *477.90* | |
| | | *For Class 56 Rating, Add* | *633.73* | |
| 40 05 19 00-1060 | EA | 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,529.24 | 240.29 |
| | | *For Class 52 Rating, Deduct* | *-238.17* | |
| | | *For Class 54 Rating, Add* | *329.14* | |
| | | *For Class 55 Rating, Add* | *491.57* | |
| | | *For Class 56 Rating, Add* | *651.83* | |
| 40 05 19 00-1061 | EA | 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,594.26 | 243.05 |
| | | *For Class 52 Rating, Deduct* | *-244.86* | |
| | | *For Class 54 Rating, Add* | *338.32* | |
| | | *For Class 55 Rating, Add* | *505.24* | |
| | | *For Class 56 Rating, Add* | *669.93* | |
| 40 05 19 00-1062 | EA | 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,659.30 | 245.80 |
| | | *For Class 52 Rating, Deduct* | *-251.56* | |
| | | *For Class 54 Rating, Add* | *347.50* | |
| | | *For Class 55 Rating, Add* | *518.91* | |
| | | *For Class 56 Rating, Add* | *688.04* | |
| 40 05 19 00-1063 | EA | 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,724.33 | 248.55 |
| | | *For Class 52 Rating, Deduct* | *-258.25* | |
| | | *For Class 54 Rating, Add* | *356.68* | |
| | | *For Class 55 Rating, Add* | *532.58* | |
| | | *For Class 56 Rating, Add* | *706.14* | |
| 40 05 19 00-1064 | EA | 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,789.37 | 251.31 |
| | | *For Class 52 Rating, Deduct* | *-264.95* | |
| | | *For Class 54 Rating, Add* | *365.86* | |
| | | *For Class 55 Rating, Add* | *546.26* | |
| | | *For Class 56 Rating, Add* | *724.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1065 | EA | 4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,854.40 | 254.06 |
| | | *For Class 52 Rating, Deduct* | *-271.64* | |
| | | *For Class 54 Rating, Add* | *375.04* | |
| | | *For Class 55 Rating, Add* | *559.93* | |
| | | *For Class 56 Rating, Add* | *742.35* | |
| 40 05 19 00-1066 | EA | 4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,919.43 | 256.82 |
| | | *For Class 52 Rating, Deduct* | *-278.34* | |
| | | *For Class 54 Rating, Add* | *384.22* | |
| | | *For Class 55 Rating, Add* | *573.60* | |
| | | *For Class 56 Rating, Add* | *760.45* | |
| 40 05 19 00-1067 | EA | 4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,984.47 | 259.58 |
| | | *For Class 52 Rating, Deduct* | *-285.03* | |
| | | *For Class 54 Rating, Add* | *393.40* | |
| | | *For Class 55 Rating, Add* | *587.27* | |
| | | *For Class 56 Rating, Add* | *778.56* | |
| 40 05 19 00-1068 | EA | 4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,049.51 | 262.34 |
| | | *For Class 52 Rating, Deduct* | *-291.72* | |
| | | *For Class 54 Rating, Add* | *402.58* | |
| | | *For Class 55 Rating, Add* | *600.94* | |
| | | *For Class 56 Rating, Add* | *796.66* | |

## 40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1070 | EA | 6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 724.28 | 198.40 |
| | | *For Class 52 Rating, Deduct* | *-46.60* | |
| | | *For Class 54 Rating, Add* | *67.16* | |
| | | *For Class 55 Rating, Add* | *101.69* | |
| | | *For Class 56 Rating, Add* | *135.80* | |
| 40 05 19 00-1071 | EA | 6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 803.35 | 201.16 |
| | | *For Class 52 Rating, Deduct* | *-54.84* | |
| | | *For Class 54 Rating, Add* | *78.44* | |
| | | *For Class 55 Rating, Add* | *118.50* | |
| | | *For Class 56 Rating, Add* | *158.05* | |
| 40 05 19 00-1072 | EA | 6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 882.44 | 203.91 |
| | | *For Class 52 Rating, Deduct* | *-63.08* | |
| | | *For Class 54 Rating, Add* | *89.73* | |
| | | *For Class 55 Rating, Add* | *135.30* | |
| | | *For Class 56 Rating, Add* | *180.30* | |
| 40 05 19 00-1073 | EA | 6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 961.52 | 206.67 |
| | | *For Class 52 Rating, Deduct* | *-71.32* | |
| | | *For Class 54 Rating, Add* | *101.01* | |
| | | *For Class 55 Rating, Add* | *152.10* | |
| | | *For Class 56 Rating, Add* | *202.55* | |
| 40 05 19 00-1074 | EA | 6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,040.59 | 209.43 |
| | | *For Class 52 Rating, Deduct* | *-79.56* | |
| | | *For Class 54 Rating, Add* | *112.30* | |
| | | *For Class 55 Rating, Add* | *168.91* | |
| | | *For Class 56 Rating, Add* | *224.79* | |
| 40 05 19 00-1075 | EA | 6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,119.67 | 212.17 |
| | | *For Class 52 Rating, Deduct* | *-87.80* | |
| | | *For Class 54 Rating, Add* | *123.59* | |
| | | *For Class 55 Rating, Add* | *185.71* | |
| | | *For Class 56 Rating, Add* | *247.04* | |
| 40 05 19 00-1076 | EA | 6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,198.75 | 214.93 |
| | | *For Class 52 Rating, Deduct* | *-96.04* | |
| | | *For Class 54 Rating, Add* | *134.87* | |
| | | *For Class 55 Rating, Add* | *202.51* | |
| | | *For Class 56 Rating, Add* | *269.29* | |
| 40 05 19 00-1077 | EA | 6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,277.83 | 217.69 |
| | | *For Class 52 Rating, Deduct* | *-104.28* | |
| | | *For Class 54 Rating, Add* | *146.16* | |
| | | *For Class 55 Rating, Add* | *219.32* | |
| | | *For Class 56 Rating, Add* | *291.53* | |
| 40 05 19 00-1078 | EA | 6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,356.90 | 220.45 |
| | | *For Class 52 Rating, Deduct* | *-112.52* | |
| | | *For Class 54 Rating, Add* | *157.44* | |
| | | *For Class 55 Rating, Add* | *236.12* | |
| | | *For Class 56 Rating, Add* | *313.78* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1079 | EA | 6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,435.98 | 223.20 |
| | | *For Class 52 Rating, Deduct* | *-120.76* | |
| | | *For Class 54 Rating, Add* | *168.73* | |
| | | *For Class 55 Rating, Add* | *252.93* | |
| | | *For Class 56 Rating, Add* | *336.03* | |
| 40 05 19 00-1080 | EA | 6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,515.06 | 225.96 |
| | | *For Class 52 Rating, Deduct* | *-129.00* | |
| | | *For Class 54 Rating, Add* | *180.01* | |
| | | *For Class 55 Rating, Add* | *269.73* | |
| | | *For Class 56 Rating, Add* | *358.27* | |
| 40 05 19 00-1081 | EA | 6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,594.14 | 228.72 |
| | | *For Class 52 Rating, Deduct* | *-137.24* | |
| | | *For Class 54 Rating, Add* | *191.30* | |
| | | *For Class 55 Rating, Add* | *286.53* | |
| | | *For Class 56 Rating, Add* | *380.52* | |
| 40 05 19 00-1082 | EA | 6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,673.22 | 231.47 |
| | | *For Class 52 Rating, Deduct* | *-145.48* | |
| | | *For Class 54 Rating, Add* | *202.59* | |
| | | *For Class 55 Rating, Add* | *303.34* | |
| | | *For Class 56 Rating, Add* | *402.77* | |
| 40 05 19 00-1083 | EA | 6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,752.29 | 234.22 |
| | | *For Class 52 Rating, Deduct* | *-153.72* | |
| | | *For Class 54 Rating, Add* | *213.87* | |
| | | *For Class 55 Rating, Add* | *320.14* | |
| | | *For Class 56 Rating, Add* | *425.01* | |
| 40 05 19 00-1084 | EA | 6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,831.37 | 236.98 |
| | | *For Class 52 Rating, Deduct* | *-161.95* | |
| | | *For Class 54 Rating, Add* | *225.16* | |
| | | *For Class 55 Rating, Add* | *336.94* | |
| | | *For Class 56 Rating, Add* | *447.26* | |
| 40 05 19 00-1085 | EA | 6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,910.46 | 239.74 |
| | | *For Class 52 Rating, Deduct* | *-170.19* | |
| | | *For Class 54 Rating, Add* | *236.44* | |
| | | *For Class 55 Rating, Add* | *353.75* | |
| | | *For Class 56 Rating, Add* | *469.51* | |
| 40 05 19 00-1086 | EA | 6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,989.53 | 242.49 |
| | | *For Class 52 Rating, Deduct* | *-178.43* | |
| | | *For Class 54 Rating, Add* | *247.73* | |
| | | *For Class 55 Rating, Add* | *370.55* | |
| | | *For Class 56 Rating, Add* | *491.75* | |
| 40 05 19 00-1087 | EA | 6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,068.61 | 245.25 |
| | | *For Class 52 Rating, Deduct* | *-186.67* | |
| | | *For Class 54 Rating, Add* | *259.01* | |
| | | *For Class 55 Rating, Add* | *387.35* | |
| | | *For Class 56 Rating, Add* | *514.00* | |
| 40 05 19 00-1088 | EA | 6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,147.68 | 248.01 |
| | | *For Class 52 Rating, Deduct* | *-194.91* | |
| | | *For Class 54 Rating, Add* | *270.30* | |
| | | *For Class 55 Rating, Add* | *404.16* | |
| | | *For Class 56 Rating, Add* | *536.24* | |
| 40 05 19 00-1089 | EA | 6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,226.77 | 250.77 |
| | | *For Class 52 Rating, Deduct* | *-203.15* | |
| | | *For Class 54 Rating, Add* | *281.58* | |
| | | *For Class 55 Rating, Add* | *420.96* | |
| | | *For Class 56 Rating, Add* | *558.49* | |
| 40 05 19 00-1090 | EA | 6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,305.84 | 253.51 |
| | | *For Class 52 Rating, Deduct* | *-211.39* | |
| | | *For Class 54 Rating, Add* | *292.87* | |
| | | *For Class 55 Rating, Add* | *437.76* | |
| | | *For Class 56 Rating, Add* | *580.74* | |
| 40 05 19 00-1091 | EA | 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,384.92 | 256.27 |
| | | *For Class 52 Rating, Deduct* | *-219.63* | |
| | | *For Class 54 Rating, Add* | *304.15* | |
| | | *For Class 55 Rating, Add* | *454.57* | |
| | | *For Class 56 Rating, Add* | *602.98* | |
| 40 05 19 00-1092 | EA | 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,464.00 | 259.02 |
| | | *For Class 52 Rating, Deduct* | *-227.87* | |
| | | *For Class 54 Rating, Add* | *315.44* | |
| | | *For Class 55 Rating, Add* | *471.37* | |
| | | *For Class 56 Rating, Add* | *625.23* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1093 | EA | 6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,543.08 | 261.77 |
| | | *For Class 52 Rating, Deduct* | *-236.11* | |
| | | *For Class 54 Rating, Add* | *326.73* | |
| | | *For Class 55 Rating, Add* | *488.18* | |
| | | *For Class 56 Rating, Add* | *647.48* | |
| 40 05 19 00-1094 | EA | 6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,622.15 | 264.53 |
| | | *For Class 52 Rating, Deduct* | *-244.35* | |
| | | *For Class 54 Rating, Add* | *338.01* | |
| | | *For Class 55 Rating, Add* | *504.98* | |
| | | *For Class 56 Rating, Add* | *669.72* | |
| 40 05 19 00-1095 | EA | 6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,701.24 | 267.29 |
| | | *For Class 52 Rating, Deduct* | *-252.59* | |
| | | *For Class 54 Rating, Add* | *349.30* | |
| | | *For Class 55 Rating, Add* | *521.78* | |
| | | *For Class 56 Rating, Add* | *691.97* | |
| 40 05 19 00-1096 | EA | 6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,780.31 | 270.05 |
| | | *For Class 52 Rating, Deduct* | *-260.83* | |
| | | *For Class 54 Rating, Add* | *360.58* | |
| | | *For Class 55 Rating, Add* | *538.59* | |
| | | *For Class 56 Rating, Add* | *714.22* | |
| 40 05 19 00-1097 | EA | 6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,859.38 | 272.80 |
| | | *For Class 52 Rating, Deduct* | *-269.07* | |
| | | *For Class 54 Rating, Add* | *371.87* | |
| | | *For Class 55 Rating, Add* | *555.39* | |
| | | *For Class 56 Rating, Add* | *736.46* | |
| 40 05 19 00-1098 | EA | 6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,938.48 | 275.56 |
| | | *For Class 52 Rating, Deduct* | *-277.31* | |
| | | *For Class 54 Rating, Add* | *383.15* | |
| | | *For Class 55 Rating, Add* | *572.19* | |
| | | *For Class 56 Rating, Add* | *758.71* | |
| 40 05 19 00-1099 | EA | 6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,017.55 | 278.32 |
| | | *For Class 52 Rating, Deduct* | *-285.54* | |
| | | *For Class 54 Rating, Add* | *394.44* | |
| | | *For Class 55 Rating, Add* | *589.00* | |
| | | *For Class 56 Rating, Add* | *780.96* | |
| 40 05 19 00-1100 | EA | 6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,096.62 | 281.06 |
| | | *For Class 52 Rating, Deduct* | *-293.78* | |
| | | *For Class 54 Rating, Add* | *405.72* | |
| | | *For Class 55 Rating, Add* | *605.80* | |
| | | *For Class 56 Rating, Add* | *803.21* | |
| 40 05 19 00-1101 | EA | 6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,175.69 | 283.82 |
| | | *For Class 52 Rating, Deduct* | *-302.02* | |
| | | *For Class 54 Rating, Add* | *417.01* | |
| | | *For Class 55 Rating, Add* | *622.60* | |
| | | *For Class 56 Rating, Add* | *825.45* | |
| 40 05 19 00-1102 | EA | 6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,254.79 | 286.58 |
| | | *For Class 52 Rating, Deduct* | *-310.26* | |
| | | *For Class 54 Rating, Add* | *428.30* | |
| | | *For Class 55 Rating, Add* | *639.41* | |
| | | *For Class 56 Rating, Add* | *847.70* | |
| 40 05 19 00-1103 | EA | 6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,333.86 | 289.34 |
| | | *For Class 52 Rating, Deduct* | *-318.50* | |
| | | *For Class 54 Rating, Add* | *439.58* | |
| | | *For Class 55 Rating, Add* | *656.21* | |
| | | *For Class 56 Rating, Add* | *869.95* | |
| 40 05 19 00-1104 | EA | 6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,412.93 | 292.09 |
| | | *For Class 52 Rating, Deduct* | *-326.74* | |
| | | *For Class 54 Rating, Add* | *450.87* | |
| | | *For Class 55 Rating, Add* | *673.01* | |
| | | *For Class 56 Rating, Add* | *892.19* | |
| 40 05 19 00-1105 | EA | 6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,492.01 | 294.85 |
| | | *For Class 52 Rating, Deduct* | *-334.98* | |
| | | *For Class 54 Rating, Add* | *462.15* | |
| | | *For Class 55 Rating, Add* | *689.82* | |
| | | *For Class 56 Rating, Add* | *914.44* | |
| 40 05 19 00-1106 | EA | 6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,571.10 | 297.61 |
| | | *For Class 52 Rating, Deduct* | *-343.22* | |
| | | *For Class 54 Rating, Add* | *473.44* | |
| | | *For Class 55 Rating, Add* | *706.62* | |
| | | *For Class 56 Rating, Add* | *936.69* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1107 | EA | 6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,650.17 | 300.35 |
| | | *For Class 52 Rating, Deduct* | *-351.46* | |
| | | *For Class 54 Rating, Add* | *484.72* | |
| | | *For Class 55 Rating, Add* | *723.43* | |
| | | *For Class 56 Rating, Add* | *958.93* | |
| 40 05 19 00-1108 | EA | 6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,729.25 | 303.11 |
| | | *For Class 52 Rating, Deduct* | *-359.70* | |
| | | *For Class 54 Rating, Add* | *496.01* | |
| | | *For Class 55 Rating, Add* | *740.23* | |
| | | *For Class 56 Rating, Add* | *981.18* | |

## 40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1110 | EA | 8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 999.72 | 253.51 |
| | | *For Class 52 Rating, Deduct* | *-67.72* | |
| | | *For Class 54 Rating, Add* | *96.95* | |
| | | *For Class 55 Rating, Add* | *146.50* | |
| | | *For Class 56 Rating, Add* | *195.43* | |
| 40 05 19 00-1111 | EA | 8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,106.89 | 256.27 |
| | | *For Class 52 Rating, Deduct* | *-79.05* | |
| | | *For Class 54 Rating, Add* | *112.45* | |
| | | *For Class 55 Rating, Add* | *169.57* | |
| | | *For Class 56 Rating, Add* | *225.97* | |
| 40 05 19 00-1112 | EA | 8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,214.05 | 259.02 |
| | | *For Class 52 Rating, Deduct* | *-90.37* | |
| | | *For Class 54 Rating, Add* | *127.95* | |
| | | *For Class 55 Rating, Add* | *192.63* | |
| | | *For Class 56 Rating, Add* | *256.50* | |
| 40 05 19 00-1113 | EA | 8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,321.22 | 261.77 |
| | | *For Class 52 Rating, Deduct* | *-101.70* | |
| | | *For Class 54 Rating, Add* | *143.45* | |
| | | *For Class 55 Rating, Add* | *215.70* | |
| | | *For Class 56 Rating, Add* | *287.03* | |
| 40 05 19 00-1114 | EA | 8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,428.39 | 264.53 |
| | | *For Class 52 Rating, Deduct* | *-113.03* | |
| | | *For Class 54 Rating, Add* | *158.95* | |
| | | *For Class 55 Rating, Add* | *238.77* | |
| | | *For Class 56 Rating, Add* | *317.57* | |
| 40 05 19 00-1115 | EA | 8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,535.56 | 267.29 |
| | | *For Class 52 Rating, Deduct* | *-124.36* | |
| | | *For Class 54 Rating, Add* | *174.45* | |
| | | *For Class 55 Rating, Add* | *261.84* | |
| | | *For Class 56 Rating, Add* | *348.10* | |
| 40 05 19 00-1116 | EA | 8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,642.72 | 270.05 |
| | | *For Class 52 Rating, Deduct* | *-135.69* | |
| | | *For Class 54 Rating, Add* | *189.94* | |
| | | *For Class 55 Rating, Add* | *284.90* | |
| | | *For Class 56 Rating, Add* | *378.63* | |
| 40 05 19 00-1117 | EA | 8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,749.88 | 272.80 |
| | | *For Class 52 Rating, Deduct* | *-147.02* | |
| | | *For Class 54 Rating, Add* | *205.44* | |
| | | *For Class 55 Rating, Add* | *307.97* | |
| | | *For Class 56 Rating, Add* | *409.16* | |
| 40 05 19 00-1118 | EA | 8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,857.06 | 275.56 |
| | | *For Class 52 Rating, Deduct* | *-158.35* | |
| | | *For Class 54 Rating, Add* | *220.94* | |
| | | *For Class 55 Rating, Add* | *331.04* | |
| | | *For Class 56 Rating, Add* | *439.70* | |
| 40 05 19 00-1119 | EA | 8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,964.22 | 278.32 |
| | | *For Class 52 Rating, Deduct* | *-169.68* | |
| | | *For Class 54 Rating, Add* | *236.44* | |
| | | *For Class 55 Rating, Add* | *354.10* | |
| | | *For Class 56 Rating, Add* | *470.23* | |
| 40 05 19 00-1120 | EA | 8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,071.39 | 281.06 |
| | | *For Class 52 Rating, Deduct* | *-181.01* | |
| | | *For Class 54 Rating, Add* | *251.94* | |
| | | *For Class 55 Rating, Add* | *377.17* | |
| | | *For Class 56 Rating, Add* | *500.76* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1121 | EA | 8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,178.55 | 283.82 |
| | | *For Class 52 Rating, Deduct* | *-192.34* | |
| | | *For Class 54 Rating, Add* | *267.44* | |
| | | *For Class 55 Rating, Add* | *400.24* | |
| | | *For Class 56 Rating, Add* | *531.29* | |
| 40 05 19 00-1122 | EA | 8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,285.73 | 286.58 |
| | | *For Class 52 Rating, Deduct* | *-203.67* | |
| | | *For Class 54 Rating, Add* | *282.94* | |
| | | *For Class 55 Rating, Add* | *423.31* | |
| | | *For Class 56 Rating, Add* | *561.83* | |
| 40 05 19 00-1123 | EA | 8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,392.89 | 289.34 |
| | | *For Class 52 Rating, Deduct* | *-215.00* | |
| | | *For Class 54 Rating, Add* | *298.44* | |
| | | *For Class 55 Rating, Add* | *446.37* | |
| | | *For Class 56 Rating, Add* | *592.36* | |
| 40 05 19 00-1124 | EA | 8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,500.05 | 292.09 |
| | | *For Class 52 Rating, Deduct* | *-226.32* | |
| | | *For Class 54 Rating, Add* | *313.93* | |
| | | *For Class 55 Rating, Add* | *469.44* | |
| | | *For Class 56 Rating, Add* | *622.89* | |
| 40 05 19 00-1125 | EA | 8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,607.21 | 294.85 |
| | | *For Class 52 Rating, Deduct* | *-237.65* | |
| | | *For Class 54 Rating, Add* | *329.43* | |
| | | *For Class 55 Rating, Add* | *492.51* | |
| | | *For Class 56 Rating, Add* | *653.42* | |
| 40 05 19 00-1126 | EA | 8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,714.40 | 297.61 |
| | | *For Class 52 Rating, Deduct* | *-248.98* | |
| | | *For Class 54 Rating, Add* | *344.93* | |
| | | *For Class 55 Rating, Add* | *515.58* | |
| | | *For Class 56 Rating, Add* | *683.96* | |
| 40 05 19 00-1127 | EA | 8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,821.56 | 300.35 |
| | | *For Class 52 Rating, Deduct* | *-260.31* | |
| | | *For Class 54 Rating, Add* | *360.43* | |
| | | *For Class 55 Rating, Add* | *538.64* | |
| | | *For Class 56 Rating, Add* | *714.49* | |
| 40 05 19 00-1128 | EA | 8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,928.72 | 303.11 |
| | | *For Class 52 Rating, Deduct* | *-271.64* | |
| | | *For Class 54 Rating, Add* | *375.93* | |
| | | *For Class 55 Rating, Add* | *561.71* | |
| | | *For Class 56 Rating, Add* | *745.02* | |
| 40 05 19 00-1129 | EA | 8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,035.89 | 305.87 |
| | | *For Class 52 Rating, Deduct* | *-282.97* | |
| | | *For Class 54 Rating, Add* | *391.43* | |
| | | *For Class 55 Rating, Add* | *584.78* | |
| | | *For Class 56 Rating, Add* | *775.56* | |
| 40 05 19 00-1130 | EA | 8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,143.06 | 308.63 |
| | | *For Class 52 Rating, Deduct* | *-294.30* | |
| | | *For Class 54 Rating, Add* | *406.93* | |
| | | *For Class 55 Rating, Add* | *607.85* | |
| | | *For Class 56 Rating, Add* | *806.09* | |
| 40 05 19 00-1131 | EA | 8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,250.22 | 311.38 |
| | | *For Class 52 Rating, Deduct* | *-305.63* | |
| | | *For Class 54 Rating, Add* | *422.43* | |
| | | *For Class 55 Rating, Add* | *630.91* | |
| | | *For Class 56 Rating, Add* | *836.62* | |
| 40 05 19 00-1132 | EA | 8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,357.39 | 314.14 |
| | | *For Class 52 Rating, Deduct* | *-316.96* | |
| | | *For Class 54 Rating, Add* | *437.93* | |
| | | *For Class 55 Rating, Add* | *653.98* | |
| | | *For Class 56 Rating, Add* | *867.16* | |
| 40 05 19 00-1133 | EA | 8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,464.56 | 316.90 |
| | | *For Class 52 Rating, Deduct* | *-328.29* | |
| | | *For Class 54 Rating, Add* | *453.42* | |
| | | *For Class 55 Rating, Add* | *677.05* | |
| | | *For Class 56 Rating, Add* | *897.69* | |
| 40 05 19 00-1134 | EA | 8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,571.73 | 319.66 |
| | | *For Class 52 Rating, Deduct* | *-339.62* | |
| | | *For Class 54 Rating, Add* | *468.92* | |
| | | *For Class 55 Rating, Add* | *700.12* | |
| | | *For Class 56 Rating, Add* | *928.22* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1135 | EA | 8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,678.89 | 322.40 |
| | | *For Class 52 Rating, Deduct* | *-350.94* | |
| | | *For Class 54 Rating, Add* | *484.42* | |
| | | *For Class 55 Rating, Add* | *723.18* | |
| | | *For Class 56 Rating, Add* | *958.75* | |
| 40 05 19 00-1136 | EA | 8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,786.05 | 325.15 |
| | | *For Class 52 Rating, Deduct* | *-362.27* | |
| | | *For Class 54 Rating, Add* | *499.92* | |
| | | *For Class 55 Rating, Add* | *746.25* | |
| | | *For Class 56 Rating, Add* | *989.29* | |
| 40 05 19 00-1137 | EA | 8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,893.22 | 327.91 |
| | | *For Class 52 Rating, Deduct* | *-373.60* | |
| | | *For Class 54 Rating, Add* | *515.42* | |
| | | *For Class 55 Rating, Add* | *769.32* | |
| | | *For Class 56 Rating, Add* | *1,019.82* | |
| 40 05 19 00-1138 | EA | 8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,000.39 | 330.66 |
| | | *For Class 52 Rating, Deduct* | *-384.93* | |
| | | *For Class 54 Rating, Add* | *530.92* | |
| | | *For Class 55 Rating, Add* | *792.39* | |
| | | *For Class 56 Rating, Add* | *1,050.35* | |
| 40 05 19 00-1139 | EA | 8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,107.56 | 333.42 |
| | | *For Class 52 Rating, Deduct* | *-396.26* | |
| | | *For Class 54 Rating, Add* | *546.42* | |
| | | *For Class 55 Rating, Add* | *815.45* | |
| | | *For Class 56 Rating, Add* | *1,080.89* | |
| 40 05 19 00-1140 | EA | 8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,214.73 | 336.18 |
| | | *For Class 52 Rating, Deduct* | *-407.59* | |
| | | *For Class 54 Rating, Add* | *561.92* | |
| | | *For Class 55 Rating, Add* | *838.52* | |
| | | *For Class 56 Rating, Add* | *1,111.42* | |
| 40 05 19 00-1141 | EA | 8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,321.89 | 338.94 |
| | | *For Class 52 Rating, Deduct* | *-418.92* | |
| | | *For Class 54 Rating, Add* | *577.41* | |
| | | *For Class 55 Rating, Add* | *861.59* | |
| | | *For Class 56 Rating, Add* | *1,141.95* | |
| 40 05 19 00-1142 | EA | 8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,429.05 | 341.69 |
| | | *For Class 52 Rating, Deduct* | *-430.25* | |
| | | *For Class 54 Rating, Add* | *592.91* | |
| | | *For Class 55 Rating, Add* | *884.65* | |
| | | *For Class 56 Rating, Add* | *1,172.48* | |
| 40 05 19 00-1143 | EA | 8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,536.22 | 344.45 |
| | | *For Class 52 Rating, Deduct* | *-441.58* | |
| | | *For Class 54 Rating, Add* | *608.41* | |
| | | *For Class 55 Rating, Add* | *907.72* | |
| | | *For Class 56 Rating, Add* | *1,203.02* | |
| 40 05 19 00-1144 | EA | 8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,643.40 | 347.20 |
| | | *For Class 52 Rating, Deduct* | *-452.91* | |
| | | *For Class 54 Rating, Add* | *623.91* | |
| | | *For Class 55 Rating, Add* | *930.79* | |
| | | *For Class 56 Rating, Add* | *1,233.55* | |
| 40 05 19 00-1145 | EA | 8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,750.56 | 349.95 |
| | | *For Class 52 Rating, Deduct* | *-464.24* | |
| | | *For Class 54 Rating, Add* | *639.41* | |
| | | *For Class 55 Rating, Add* | *953.86* | |
| | | *For Class 56 Rating, Add* | *1,264.08* | |
| 40 05 19 00-1146 | EA | 8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,857.72 | 352.71 |
| | | *For Class 52 Rating, Deduct* | *-475.56* | |
| | | *For Class 54 Rating, Add* | *654.91* | |
| | | *For Class 55 Rating, Add* | *976.92* | |
| | | *For Class 56 Rating, Add* | *1,294.62* | |
| 40 05 19 00-1147 | EA | 8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,964.90 | 355.47 |
| | | *For Class 52 Rating, Deduct* | *-486.89* | |
| | | *For Class 54 Rating, Add* | *670.41* | |
| | | *For Class 55 Rating, Add* | *999.99* | |
| | | *For Class 56 Rating, Add* | *1,325.15* | |
| 40 05 19 00-1148 | EA | 8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,072.06 | 358.23 |
| | | *For Class 52 Rating, Deduct* | *-498.22* | |
| | | *For Class 54 Rating, Add* | *685.91* | |
| | | *For Class 55 Rating, Add* | *1,023.06* | |
| | | *For Class 56 Rating, Add* | *1,355.68* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1149 | | 10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)* | | |
| 40 05 19 00-1150 | EA | 10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,261.12 | 308.63 |
| | | *For Class 52 Rating, Deduct* | *-87.29* | |
| | | *For Class 54 Rating, Add* | *124.64* | |
| | | *For Class 55 Rating, Add* | *188.17* | |
| | | *For Class 56 Rating, Add* | *250.92* | |
| 40 05 19 00-1151 | EA | 10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,401.06 | 311.38 |
| | | *For Class 52 Rating, Deduct* | *-102.22* | |
| | | *For Class 54 Rating, Add* | *145.05* | |
| | | *For Class 55 Rating, Add* | *218.55* | |
| | | *For Class 56 Rating, Add* | *291.12* | |
| 40 05 19 00-1152 | EA | 10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,540.99 | 314.14 |
| | | *For Class 52 Rating, Deduct* | *-117.15* | |
| | | *For Class 54 Rating, Add* | *165.47* | |
| | | *For Class 55 Rating, Add* | *248.92* | |
| | | *For Class 56 Rating, Add* | *331.32* | |
| 40 05 19 00-1153 | EA | 10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,680.93 | 316.90 |
| | | *For Class 52 Rating, Deduct* | *-132.09* | |
| | | *For Class 54 Rating, Add* | *185.88* | |
| | | *For Class 55 Rating, Add* | *279.30* | |
| | | *For Class 56 Rating, Add* | *371.52* | |
| 40 05 19 00-1154 | EA | 10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,820.87 | 319.66 |
| | | *For Class 52 Rating, Deduct* | *-147.02* | |
| | | *For Class 54 Rating, Add* | *206.29* | |
| | | *For Class 55 Rating, Add* | *309.67* | |
| | | *For Class 56 Rating, Add* | *411.72* | |
| 40 05 19 00-1155 | EA | 10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,960.80 | 322.40 |
| | | *For Class 52 Rating, Deduct* | *-161.95* | |
| | | *For Class 54 Rating, Add* | *226.71* | |
| | | *For Class 55 Rating, Add* | *340.05* | |
| | | *For Class 56 Rating, Add* | *451.92* | |
| 40 05 19 00-1156 | EA | 10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,100.73 | 325.15 |
| | | *For Class 52 Rating, Deduct* | *-176.89* | |
| | | *For Class 54 Rating, Add* | *247.12* | |
| | | *For Class 55 Rating, Add* | *370.42* | |
| | | *For Class 56 Rating, Add* | *492.12* | |
| 40 05 19 00-1157 | EA | 10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,240.68 | 327.91 |
| | | *For Class 52 Rating, Deduct* | *-191.82* | |
| | | *For Class 54 Rating, Add* | *267.54* | |
| | | *For Class 55 Rating, Add* | *400.80* | |
| | | *For Class 56 Rating, Add* | *532.32* | |
| 40 05 19 00-1158 | EA | 10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,380.61 | 330.66 |
| | | *For Class 52 Rating, Deduct* | *-206.76* | |
| | | *For Class 54 Rating, Add* | *287.95* | |
| | | *For Class 55 Rating, Add* | *431.18* | |
| | | *For Class 56 Rating, Add* | *572.52* | |
| 40 05 19 00-1159 | EA | 10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,520.55 | 333.42 |
| | | *For Class 52 Rating, Deduct* | *-221.69* | |
| | | *For Class 54 Rating, Add* | *308.37* | |
| | | *For Class 55 Rating, Add* | *461.55* | |
| | | *For Class 56 Rating, Add* | *612.72* | |
| 40 05 19 00-1160 | EA | 10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,660.49 | 336.18 |
| | | *For Class 52 Rating, Deduct* | *-236.62* | |
| | | *For Class 54 Rating, Add* | *328.78* | |
| | | *For Class 55 Rating, Add* | *491.92* | |
| | | *For Class 56 Rating, Add* | *652.92* | |
| 40 05 19 00-1161 | EA | 10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,800.42 | 338.94 |
| | | *For Class 52 Rating, Deduct* | *-251.56* | |
| | | *For Class 54 Rating, Add* | *349.19* | |
| | | *For Class 55 Rating, Add* | *522.30* | |
| | | *For Class 56 Rating, Add* | *693.12* | |
| 40 05 19 00-1162 | EA | 10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,940.36 | 341.69 |
| | | *For Class 52 Rating, Deduct* | *-266.49* | |
| | | *For Class 54 Rating, Add* | *369.61* | |
| | | *For Class 55 Rating, Add* | *552.68* | |
| | | *For Class 56 Rating, Add* | *733.32* | |
| 40 05 19 00-1163 | EA | 10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,080.30 | 344.45 |
| | | *For Class 52 Rating, Deduct* | *-281.43* | |
| | | *For Class 54 Rating, Add* | *390.02* | |
| | | *For Class 55 Rating, Add* | *583.05* | |
| | | *For Class 56 Rating, Add* | *773.52* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1164 | EA | 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,220.24 | 347.20 |
| | | *For Class 52 Rating, Deduct* | *-296.36* | |
| | | *For Class 54 Rating, Add* | *410.44* | |
| | | *For Class 55 Rating, Add* | *613.43* | |
| | | *For Class 56 Rating, Add* | *813.72* | |
| 40 05 19 00-1165 | EA | 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,360.17 | 349.95 |
| | | *For Class 52 Rating, Deduct* | *-311.29* | |
| | | *For Class 54 Rating, Add* | *430.85* | |
| | | *For Class 55 Rating, Add* | *643.80* | |
| | | *For Class 56 Rating, Add* | *853.92* | |
| 40 05 19 00-1166 | EA | 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,500.10 | 352.71 |
| | | *For Class 52 Rating, Deduct* | *-326.23* | |
| | | *For Class 54 Rating, Add* | *451.27* | |
| | | *For Class 55 Rating, Add* | *674.17* | |
| | | *For Class 56 Rating, Add* | *894.12* | |
| 40 05 19 00-1167 | EA | 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,640.05 | 355.47 |
| | | *For Class 52 Rating, Deduct* | *-341.16* | |
| | | *For Class 54 Rating, Add* | *471.68* | |
| | | *For Class 55 Rating, Add* | *704.55* | |
| | | *For Class 56 Rating, Add* | *934.32* | |
| 40 05 19 00-1168 | EA | 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,779.99 | 358.23 |
| | | *For Class 52 Rating, Deduct* | *-356.09* | |
| | | *For Class 54 Rating, Add* | *492.10* | |
| | | *For Class 55 Rating, Add* | *734.93* | |
| | | *For Class 56 Rating, Add* | *974.52* | |
| 40 05 19 00-1169 | EA | 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,919.92 | 360.98 |
| | | *For Class 52 Rating, Deduct* | *-371.03* | |
| | | *For Class 54 Rating, Add* | *512.51* | |
| | | *For Class 55 Rating, Add* | *765.30* | |
| | | *For Class 56 Rating, Add* | *1,014.72* | |
| 40 05 19 00-1170 | EA | 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,059.85 | 363.74 |
| | | *For Class 52 Rating, Deduct* | *-385.96* | |
| | | *For Class 54 Rating, Add* | *532.92* | |
| | | *For Class 55 Rating, Add* | *795.68* | |
| | | *For Class 56 Rating, Add* | *1,054.92* | |
| 40 05 19 00-1171 | EA | 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,199.80 | 366.50 |
| | | *For Class 52 Rating, Deduct* | *-400.90* | |
| | | *For Class 54 Rating, Add* | *553.34* | |
| | | *For Class 55 Rating, Add* | *826.05* | |
| | | *For Class 56 Rating, Add* | *1,095.12* | |
| 40 05 19 00-1172 | EA | 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,339.73 | 369.24 |
| | | *For Class 52 Rating, Deduct* | *-415.83* | |
| | | *For Class 54 Rating, Add* | *573.75* | |
| | | *For Class 55 Rating, Add* | *856.43* | |
| | | *For Class 56 Rating, Add* | *1,135.32* | |
| 40 05 19 00-1173 | EA | 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,479.66 | 372.00 |
| | | *For Class 52 Rating, Deduct* | *-430.76* | |
| | | *For Class 54 Rating, Add* | *594.17* | |
| | | *For Class 55 Rating, Add* | *886.80* | |
| | | *For Class 56 Rating, Add* | *1,175.52* | |
| 40 05 19 00-1174 | EA | 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,619.60 | 374.76 |
| | | *For Class 52 Rating, Deduct* | *-445.70* | |
| | | *For Class 54 Rating, Add* | *614.58* | |
| | | *For Class 55 Rating, Add* | *917.18* | |
| | | *For Class 56 Rating, Add* | *1,215.72* | |
| 40 05 19 00-1175 | EA | 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,759.55 | 377.52 |
| | | *For Class 52 Rating, Deduct* | *-460.63* | |
| | | *For Class 54 Rating, Add* | *635.00* | |
| | | *For Class 55 Rating, Add* | *947.55* | |
| | | *For Class 56 Rating, Add* | *1,255.92* | |
| 40 05 19 00-1176 | EA | 10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,899.48 | 380.27 |
| | | *For Class 52 Rating, Deduct* | *-475.56* | |
| | | *For Class 54 Rating, Add* | *655.41* | |
| | | *For Class 55 Rating, Add* | *977.93* | |
| | | *For Class 56 Rating, Add* | *1,296.12* | |
| 40 05 19 00-1177 | EA | 10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,039.41 | 383.03 |
| | | *For Class 52 Rating, Deduct* | *-490.50* | |
| | | *For Class 54 Rating, Add* | *675.82* | |
| | | *For Class 55 Rating, Add* | *1,008.30* | |
| | | *For Class 56 Rating, Add* | *1,336.32* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1178 | EA | 10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,179.35 | 385.79 |
| | | *For Class 52 Rating, Deduct* | *-505.43* | |
| | | *For Class 54 Rating, Add* | *696.24* | |
| | | *For Class 55 Rating, Add* | *1,038.68* | |
| | | *For Class 56 Rating, Add* | *1,376.52* | |
| 40 05 19 00-1179 | EA | 10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,319.29 | 388.55 |
| | | *For Class 52 Rating, Deduct* | *-520.37* | |
| | | *For Class 54 Rating, Add* | *716.65* | |
| | | *For Class 55 Rating, Add* | *1,069.05* | |
| | | *For Class 56 Rating, Add* | *1,416.72* | |
| 40 05 19 00-1180 | EA | 10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,459.23 | 391.29 |
| | | *For Class 52 Rating, Deduct* | *-535.30* | |
| | | *For Class 54 Rating, Add* | *737.07* | |
| | | *For Class 55 Rating, Add* | *1,099.43* | |
| | | *For Class 56 Rating, Add* | *1,456.92* | |
| 40 05 19 00-1181 | EA | 10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,599.16 | 394.05 |
| | | *For Class 52 Rating, Deduct* | *-550.23* | |
| | | *For Class 54 Rating, Add* | *757.48* | |
| | | *For Class 55 Rating, Add* | *1,129.80* | |
| | | *For Class 56 Rating, Add* | *1,497.12* | |
| 40 05 19 00-1182 | EA | 10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,739.10 | 396.81 |
| | | *For Class 52 Rating, Deduct* | *-565.17* | |
| | | *For Class 54 Rating, Add* | *777.90* | |
| | | *For Class 55 Rating, Add* | *1,160.18* | |
| | | *For Class 56 Rating, Add* | *1,537.32* | |
| 40 05 19 00-1183 | EA | 10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,879.03 | 399.55 |
| | | *For Class 52 Rating, Deduct* | *-580.10* | |
| | | *For Class 54 Rating, Add* | *798.31* | |
| | | *For Class 55 Rating, Add* | *1,190.55* | |
| | | *For Class 56 Rating, Add* | *1,577.52* | |
| 40 05 19 00-1184 | EA | 10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,018.97 | 402.31 |
| | | *For Class 52 Rating, Deduct* | *-595.03* | |
| | | *For Class 54 Rating, Add* | *818.72* | |
| | | *For Class 55 Rating, Add* | *1,220.93* | |
| | | *For Class 56 Rating, Add* | *1,617.72* | |
| 40 05 19 00-1185 | EA | 10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,158.91 | 405.07 |
| | | *For Class 52 Rating, Deduct* | *-609.97* | |
| | | *For Class 54 Rating, Add* | *839.14* | |
| | | *For Class 55 Rating, Add* | *1,251.30* | |
| | | *For Class 56 Rating, Add* | *1,657.92* | |
| 40 05 19 00-1186 | EA | 10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,298.85 | 407.83 |
| | | *For Class 52 Rating, Deduct* | *-624.90* | |
| | | *For Class 54 Rating, Add* | *859.55* | |
| | | *For Class 55 Rating, Add* | *1,281.68* | |
| | | *For Class 56 Rating, Add* | *1,698.12* | |
| 40 05 19 00-1187 | EA | 10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,438.78 | 410.58 |
| | | *For Class 52 Rating, Deduct* | *-639.84* | |
| | | *For Class 54 Rating, Add* | *879.97* | |
| | | *For Class 55 Rating, Add* | *1,312.05* | |
| | | *For Class 56 Rating, Add* | *1,738.32* | |
| 40 05 19 00-1188 | EA | 10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,578.72 | 413.33 |
| | | *For Class 52 Rating, Deduct* | *-654.77* | |
| | | *For Class 54 Rating, Add* | *900.38* | |
| | | *For Class 55 Rating, Add* | *1,342.43* | |
| | | *For Class 56 Rating, Add* | *1,778.52* | |

## 40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1190 | EA | 12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,642.53 | 385.79 |
| | | *For Class 52 Rating, Deduct* | *-116.38* | |
| | | *For Class 54 Rating, Add* | *165.72* | |
| | | *For Class 55 Rating, Add* | *249.96* | |
| | | *For Class 56 Rating, Add* | *333.16* | |
| 40 05 19 00-1191 | EA | 12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,817.57 | 388.55 |
| | | *For Class 52 Rating, Deduct* | *-135.18* | |
| | | *For Class 54 Rating, Add* | *191.40* | |
| | | *For Class 55 Rating, Add* | *288.17* | |
| | | *For Class 56 Rating, Add* | *383.71* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1192 | EA | 12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 1,992.62 | 391.29 |
| | | *For Class 52 Rating, Deduct* | *-153.97* | |
| | | *For Class 54 Rating, Add* | *217.08* | |
| | | *For Class 55 Rating, Add* | *326.37* | |
| | | *For Class 56 Rating, Add* | *434.27* | |
| 40 05 19 00-1193 | EA | 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,167.66 | 394.05 |
| | | *For Class 52 Rating, Deduct* | *-172.77* | |
| | | *For Class 54 Rating, Add* | *242.76* | |
| | | *For Class 55 Rating, Add* | *364.58* | |
| | | *For Class 56 Rating, Add* | *484.83* | |
| 40 05 19 00-1194 | EA | 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,342.72 | 396.81 |
| | | *For Class 52 Rating, Deduct* | *-191.57* | |
| | | *For Class 54 Rating, Add* | *268.44* | |
| | | *For Class 55 Rating, Add* | *402.78* | |
| | | *For Class 56 Rating, Add* | *535.39* | |
| 40 05 19 00-1195 | EA | 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,517.76 | 399.55 |
| | | *For Class 52 Rating, Deduct* | *-210.36* | |
| | | *For Class 54 Rating, Add* | *294.12* | |
| | | *For Class 55 Rating, Add* | *440.99* | |
| | | *For Class 56 Rating, Add* | *585.94* | |
| 40 05 19 00-1196 | EA | 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,692.81 | 402.31 |
| | | *For Class 52 Rating, Deduct* | *-229.16* | |
| | | *For Class 54 Rating, Add* | *319.80* | |
| | | *For Class 55 Rating, Add* | *479.19* | |
| | | *For Class 56 Rating, Add* | *636.50* | |
| 40 05 19 00-1197 | EA | 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,867.85 | 405.07 |
| | | *For Class 52 Rating, Deduct* | *-247.95* | |
| | | *For Class 54 Rating, Add* | *345.48* | |
| | | *For Class 55 Rating, Add* | *517.40* | |
| | | *For Class 56 Rating, Add* | *687.06* | |
| 40 05 19 00-1198 | EA | 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,042.91 | 407.83 |
| | | *For Class 52 Rating, Deduct* | *-266.75* | |
| | | *For Class 54 Rating, Add* | *371.16* | |
| | | *For Class 55 Rating, Add* | *555.60* | |
| | | *For Class 56 Rating, Add* | *737.62* | |
| 40 05 19 00-1199 | EA | 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,217.95 | 410.58 |
| | | *For Class 52 Rating, Deduct* | *-285.54* | |
| | | *For Class 54 Rating, Add* | *396.84* | |
| | | *For Class 55 Rating, Add* | *593.81* | |
| | | *For Class 56 Rating, Add* | *788.17* | |
| 40 05 19 00-1200 | EA | 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,393.00 | 413.33 |
| | | *For Class 52 Rating, Deduct* | *-304.34* | |
| | | *For Class 54 Rating, Add* | *422.52* | |
| | | *For Class 55 Rating, Add* | *632.01* | |
| | | *For Class 56 Rating, Add* | *838.73* | |
| 40 05 19 00-1201 | EA | 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,568.05 | 416.09 |
| | | *For Class 52 Rating, Deduct* | *-323.14* | |
| | | *For Class 54 Rating, Add* | *448.21* | |
| | | *For Class 55 Rating, Add* | *670.22* | |
| | | *For Class 56 Rating, Add* | *889.29* | |
| 40 05 19 00-1202 | EA | 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,743.10 | 418.84 |
| | | *For Class 52 Rating, Deduct* | *-341.93* | |
| | | *For Class 54 Rating, Add* | *473.89* | |
| | | *For Class 55 Rating, Add* | *708.42* | |
| | | *For Class 56 Rating, Add* | *939.85* | |
| 40 05 19 00-1203 | EA | 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,918.14 | 421.60 |
| | | *For Class 52 Rating, Deduct* | *-360.73* | |
| | | *For Class 54 Rating, Add* | *499.57* | |
| | | *For Class 55 Rating, Add* | *746.63* | |
| | | *For Class 56 Rating, Add* | *990.40* | |
| 40 05 19 00-1204 | EA | 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,093.19 | 424.36 |
| | | *For Class 52 Rating, Deduct* | *-379.52* | |
| | | *For Class 54 Rating, Add* | *525.25* | |
| | | *For Class 55 Rating, Add* | *784.83* | |
| | | *For Class 56 Rating, Add* | *1,040.96* | |
| 40 05 19 00-1205 | EA | 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,268.24 | 427.12 |
| | | *For Class 52 Rating, Deduct* | *-398.32* | |
| | | *For Class 54 Rating, Add* | *550.93* | |
| | | *For Class 55 Rating, Add* | *823.03* | |
| | | *For Class 56 Rating, Add* | *1,091.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1206 | EA | 12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,443.29 | 429.87 |
| | | *For Class 52 Rating, Deduct* | *-417.12* | |
| | | *For Class 54 Rating, Add* | *576.61* | |
| | | *For Class 55 Rating, Add* | *861.24* | |
| | | *For Class 56 Rating, Add* | *1,142.08* | |
| 40 05 19 00-1207 | EA | 12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,618.33 | 432.63 |
| | | *For Class 52 Rating, Deduct* | *-435.91* | |
| | | *For Class 54 Rating, Add* | *602.29* | |
| | | *For Class 55 Rating, Add* | *899.45* | |
| | | *For Class 56 Rating, Add* | *1,192.64* | |
| 40 05 19 00-1208 | EA | 12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,793.38 | 435.39 |
| | | *For Class 52 Rating, Deduct* | *-454.71* | |
| | | *For Class 54 Rating, Add* | *627.97* | |
| | | *For Class 55 Rating, Add* | *937.65* | |
| | | *For Class 56 Rating, Add* | *1,243.19* | |
| 40 05 19 00-1209 | EA | 12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,968.43 | 438.13 |
| | | *For Class 52 Rating, Deduct* | *-473.50* | |
| | | *For Class 54 Rating, Add* | *653.65* | |
| | | *For Class 55 Rating, Add* | *975.85* | |
| | | *For Class 56 Rating, Add* | *1,293.75* | |
| 40 05 19 00-1210 | EA | 12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,143.48 | 440.89 |
| | | *For Class 52 Rating, Deduct* | *-492.30* | |
| | | *For Class 54 Rating, Add* | *679.34* | |
| | | *For Class 55 Rating, Add* | *1,014.06* | |
| | | *For Class 56 Rating, Add* | *1,344.31* | |
| 40 05 19 00-1211 | EA | 12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,318.52 | 443.65 |
| | | *For Class 52 Rating, Deduct* | *-511.10* | |
| | | *For Class 54 Rating, Add* | *705.02* | |
| | | *For Class 55 Rating, Add* | *1,052.26* | |
| | | *For Class 56 Rating, Add* | *1,394.87* | |
| 40 05 19 00-1212 | EA | 12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,493.57 | 446.41 |
| | | *For Class 52 Rating, Deduct* | *-529.89* | |
| | | *For Class 54 Rating, Add* | *730.70* | |
| | | *For Class 55 Rating, Add* | *1,090.47* | |
| | | *For Class 56 Rating, Add* | *1,445.42* | |
| 40 05 19 00-1213 | EA | 12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,668.62 | 449.16 |
| | | *For Class 52 Rating, Deduct* | *-548.69* | |
| | | *For Class 54 Rating, Add* | *756.38* | |
| | | *For Class 55 Rating, Add* | *1,128.67* | |
| | | *For Class 56 Rating, Add* | *1,495.98* | |
| 40 05 19 00-1214 | EA | 12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,843.67 | 451.92 |
| | | *For Class 52 Rating, Deduct* | *-567.48* | |
| | | *For Class 54 Rating, Add* | *782.06* | |
| | | *For Class 55 Rating, Add* | *1,166.88* | |
| | | *For Class 56 Rating, Add* | *1,546.54* | |
| 40 05 19 00-1215 | EA | 12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,018.71 | 454.68 |
| | | *For Class 52 Rating, Deduct* | *-586.28* | |
| | | *For Class 54 Rating, Add* | *807.74* | |
| | | *For Class 55 Rating, Add* | *1,205.08* | |
| | | *For Class 56 Rating, Add* | *1,597.10* | |
| 40 05 19 00-1216 | EA | 12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,193.76 | 457.44 |
| | | *For Class 52 Rating, Deduct* | *-605.08* | |
| | | *For Class 54 Rating, Add* | *833.42* | |
| | | *For Class 55 Rating, Add* | *1,243.29* | |
| | | *For Class 56 Rating, Add* | *1,647.65* | |
| 40 05 19 00-1217 | EA | 12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,368.81 | 460.18 |
| | | *For Class 52 Rating, Deduct* | *-623.87* | |
| | | *For Class 54 Rating, Add* | *859.10* | |
| | | *For Class 55 Rating, Add* | *1,281.49* | |
| | | *For Class 56 Rating, Add* | *1,698.21* | |
| 40 05 19 00-1218 | EA | 12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,543.86 | 462.94 |
| | | *For Class 52 Rating, Deduct* | *-642.67* | |
| | | *For Class 54 Rating, Add* | *884.78* | |
| | | *For Class 55 Rating, Add* | *1,319.70* | |
| | | *For Class 56 Rating, Add* | *1,748.77* | |
| 40 05 19 00-1219 | EA | 12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,718.91 | 465.70 |
| | | *For Class 52 Rating, Deduct* | *-661.46* | |
| | | *For Class 54 Rating, Add* | *910.46* | |
| | | *For Class 55 Rating, Add* | *1,357.90* | |
| | | *For Class 56 Rating, Add* | *1,799.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1220 | EA | 12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,893.95 | 468.44 |
| | | *For Class 52 Rating, Deduct* | *-680.26* | |
| | | *For Class 54 Rating, Add* | *936.14* | |
| | | *For Class 55 Rating, Add* | *1,396.11* | |
| | | *For Class 56 Rating, Add* | *1,849.88* | |
| 40 05 19 00-1221 | EA | 12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,069.00 | 471.20 |
| | | *For Class 52 Rating, Deduct* | *-699.06* | |
| | | *For Class 54 Rating, Add* | *961.82* | |
| | | *For Class 55 Rating, Add* | *1,434.31* | |
| | | *For Class 56 Rating, Add* | *1,900.44* | |
| 40 05 19 00-1222 | EA | 12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,244.05 | 473.96 |
| | | *For Class 52 Rating, Deduct* | *-717.85* | |
| | | *For Class 54 Rating, Add* | *987.51* | |
| | | *For Class 55 Rating, Add* | *1,472.52* | |
| | | *For Class 56 Rating, Add* | *1,951.00* | |
| 40 05 19 00-1223 | EA | 12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,419.10 | 476.72 |
| | | *For Class 52 Rating, Deduct* | *-736.65* | |
| | | *For Class 54 Rating, Add* | *1,013.19* | |
| | | *For Class 55 Rating, Add* | *1,510.72* | |
| | | *For Class 56 Rating, Add* | *2,001.56* | |
| 40 05 19 00-1224 | EA | 12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,594.14 | 479.46 |
| | | *For Class 52 Rating, Deduct* | *-755.44* | |
| | | *For Class 54 Rating, Add* | *1,038.87* | |
| | | *For Class 55 Rating, Add* | *1,548.93* | |
| | | *For Class 56 Rating, Add* | *2,052.12* | |
| 40 05 19 00-1225 | EA | 12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,769.19 | 482.22 |
| | | *For Class 52 Rating, Deduct* | *-774.24* | |
| | | *For Class 54 Rating, Add* | *1,064.55* | |
| | | *For Class 55 Rating, Add* | *1,587.13* | |
| | | *For Class 56 Rating, Add* | *2,102.67* | |
| 40 05 19 00-1226 | EA | 12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,944.24 | 484.98 |
| | | *For Class 52 Rating, Deduct* | *-793.04* | |
| | | *For Class 54 Rating, Add* | *1,090.23* | |
| | | *For Class 55 Rating, Add* | *1,625.34* | |
| | | *For Class 56 Rating, Add* | *2,153.23* | |
| 40 05 19 00-1227 | EA | 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,119.29 | 487.73 |
| | | *For Class 52 Rating, Deduct* | *-811.83* | |
| | | *For Class 54 Rating, Add* | *1,115.91* | |
| | | *For Class 55 Rating, Add* | *1,663.54* | |
| | | *For Class 56 Rating, Add* | *2,203.79* | |
| 40 05 19 00-1228 | EA | 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,294.33 | 490.49 |
| | | *For Class 52 Rating, Deduct* | *-830.63* | |
| | | *For Class 54 Rating, Add* | *1,141.59* | |
| | | *For Class 55 Rating, Add* | *1,701.74* | |
| | | *For Class 56 Rating, Add* | *2,254.35* | |
| 40 05 19 00-1229 | | 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)* | | |
| 40 05 19 00-1230 | EA | 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,211.18 | 462.94 |
| | | *For Class 52 Rating, Deduct* | *-166.07* | |
| | | *For Class 54 Rating, Add* | *234.88* | |
| | | *For Class 55 Rating, Add* | *353.51* | |
| | | *For Class 56 Rating, Add* | *470.63* | |
| 40 05 19 00-1231 | EA | 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,423.69 | 465.70 |
| | | *For Class 52 Rating, Deduct* | *-188.99* | |
| | | *For Class 54 Rating, Add* | *266.18* | |
| | | *For Class 55 Rating, Add* | *400.07* | |
| | | *For Class 56 Rating, Add* | *532.24* | |
| 40 05 19 00-1232 | EA | 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,636.18 | 468.44 |
| | | *For Class 52 Rating, Deduct* | *-211.91* | |
| | | *For Class 54 Rating, Add* | *297.48* | |
| | | *For Class 55 Rating, Add* | *446.62* | |
| | | *For Class 56 Rating, Add* | *593.84* | |
| 40 05 19 00-1233 | EA | 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,848.69 | 471.20 |
| | | *For Class 52 Rating, Deduct* | *-234.82* | |
| | | *For Class 54 Rating, Add* | *328.78* | |
| | | *For Class 55 Rating, Add* | *493.18* | |
| | | *For Class 56 Rating, Add* | *655.45* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1234 | EA | 14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,061.18 | 473.96 |
| | | *For Class 52 Rating, Deduct* | *-257.74* | |
| | | *For Class 54 Rating, Add* | *360.08* | |
| | | *For Class 55 Rating, Add* | *539.74* | |
| | | *For Class 56 Rating, Add* | *717.06* | |
| 40 05 19 00-1235 | EA | 14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,273.68 | 476.72 |
| | | *For Class 52 Rating, Deduct* | *-280.65* | |
| | | *For Class 54 Rating, Add* | *391.37* | |
| | | *For Class 55 Rating, Add* | *586.29* | |
| | | *For Class 56 Rating, Add* | *778.66* | |
| 40 05 19 00-1236 | EA | 14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,486.18 | 479.46 |
| | | *For Class 52 Rating, Deduct* | *-303.57* | |
| | | *For Class 54 Rating, Add* | *422.67* | |
| | | *For Class 55 Rating, Add* | *632.85* | |
| | | *For Class 56 Rating, Add* | *840.27* | |
| 40 05 19 00-1237 | EA | 14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,698.68 | 482.22 |
| | | *For Class 52 Rating, Deduct* | *-326.48* | |
| | | *For Class 54 Rating, Add* | *453.97* | |
| | | *For Class 55 Rating, Add* | *679.41* | |
| | | *For Class 56 Rating, Add* | *901.87* | |
| 40 05 19 00-1238 | EA | 14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,911.18 | 484.98 |
| | | *For Class 52 Rating, Deduct* | *-349.40* | |
| | | *For Class 54 Rating, Add* | *485.27* | |
| | | *For Class 55 Rating, Add* | *725.96* | |
| | | *For Class 56 Rating, Add* | *963.48* | |
| 40 05 19 00-1239 | EA | 14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,123.68 | 487.73 |
| | | *For Class 52 Rating, Deduct* | *-372.31* | |
| | | *For Class 54 Rating, Add* | *516.57* | |
| | | *For Class 55 Rating, Add* | *772.52* | |
| | | *For Class 56 Rating, Add* | *1,025.08* | |
| 40 05 19 00-1240 | EA | 14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,336.18 | 490.49 |
| | | *For Class 52 Rating, Deduct* | *-395.23* | |
| | | *For Class 54 Rating, Add* | *547.87* | |
| | | *For Class 55 Rating, Add* | *819.08* | |
| | | *For Class 56 Rating, Add* | *1,086.69* | |
| 40 05 19 00-1241 | EA | 14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,548.67 | 493.25 |
| | | *For Class 52 Rating, Deduct* | *-418.15* | |
| | | *For Class 54 Rating, Add* | *579.17* | |
| | | *For Class 55 Rating, Add* | *865.63* | |
| | | *For Class 56 Rating, Add* | *1,148.30* | |
| 40 05 19 00-1242 | EA | 14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,761.18 | 496.01 |
| | | *For Class 52 Rating, Deduct* | *-441.06* | |
| | | *For Class 54 Rating, Add* | *610.47* | |
| | | *For Class 55 Rating, Add* | *912.19* | |
| | | *For Class 56 Rating, Add* | *1,209.90* | |
| 40 05 19 00-1243 | EA | 14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,973.68 | 498.76 |
| | | *For Class 52 Rating, Deduct* | *-463.98* | |
| | | *For Class 54 Rating, Add* | *641.77* | |
| | | *For Class 55 Rating, Add* | *958.75* | |
| | | *For Class 56 Rating, Add* | *1,271.51* | |
| 40 05 19 00-1244 | EA | 14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,186.17 | 501.52 |
| | | *For Class 52 Rating, Deduct* | *-486.89* | |
| | | *For Class 54 Rating, Add* | *673.06* | |
| | | *For Class 55 Rating, Add* | *1,005.30* | |
| | | *For Class 56 Rating, Add* | *1,333.11* | |
| 40 05 19 00-1245 | EA | 14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,398.67 | 504.27 |
| | | *For Class 52 Rating, Deduct* | *-509.81* | |
| | | *For Class 54 Rating, Add* | *704.36* | |
| | | *For Class 55 Rating, Add* | *1,051.86* | |
| | | *For Class 56 Rating, Add* | *1,394.72* | |
| 40 05 19 00-1246 | EA | 14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,611.18 | 507.02 |
| | | *For Class 52 Rating, Deduct* | *-532.72* | |
| | | *For Class 54 Rating, Add* | *735.66* | |
| | | *For Class 55 Rating, Add* | *1,098.42* | |
| | | *For Class 56 Rating, Add* | *1,456.33* | |
| 40 05 19 00-1247 | EA | 14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,823.67 | 509.78 |
| | | *For Class 52 Rating, Deduct* | *-555.64* | |
| | | *For Class 54 Rating, Add* | *766.96* | |
| | | *For Class 55 Rating, Add* | *1,144.97* | |
| | | *For Class 56 Rating, Add* | *1,517.93* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1248 | EA | 14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,036.17 | 512.54 |
| | | *For Class 52 Rating, Deduct* | *-578.56* | |
| | | *For Class 54 Rating, Add* | *798.26* | |
| | | *For Class 55 Rating, Add* | *1,191.53* | |
| | | *For Class 56 Rating, Add* | *1,579.54* | |
| 40 05 19 00-1249 | EA | 14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,248.66 | 515.30 |
| | | *For Class 52 Rating, Deduct* | *-601.47* | |
| | | *For Class 54 Rating, Add* | *829.56* | |
| | | *For Class 55 Rating, Add* | *1,238.08* | |
| | | *For Class 56 Rating, Add* | *1,641.14* | |
| 40 05 19 00-1250 | EA | 14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,461.18 | 518.05 |
| | | *For Class 52 Rating, Deduct* | *-624.39* | |
| | | *For Class 54 Rating, Add* | *860.86* | |
| | | *For Class 55 Rating, Add* | *1,284.64* | |
| | | *For Class 56 Rating, Add* | *1,702.75* | |
| 40 05 19 00-1251 | EA | 14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,673.67 | 520.81 |
| | | *For Class 52 Rating, Deduct* | *-647.30* | |
| | | *For Class 54 Rating, Add* | *892.15* | |
| | | *For Class 55 Rating, Add* | *1,331.20* | |
| | | *For Class 56 Rating, Add* | *1,764.36* | |
| 40 05 19 00-1252 | EA | 14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,886.16 | 523.57 |
| | | *For Class 52 Rating, Deduct* | *-670.22* | |
| | | *For Class 54 Rating, Add* | *923.45* | |
| | | *For Class 55 Rating, Add* | *1,377.75* | |
| | | *For Class 56 Rating, Add* | *1,825.96* | |
| 40 05 19 00-1253 | EA | 14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,098.67 | 526.32 |
| | | *For Class 52 Rating, Deduct* | *-693.13* | |
| | | *For Class 54 Rating, Add* | *954.75* | |
| | | *For Class 55 Rating, Add* | *1,424.31* | |
| | | *For Class 56 Rating, Add* | *1,887.57* | |
| 40 05 19 00-1254 | EA | 14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,311.17 | 529.07 |
| | | *For Class 52 Rating, Deduct* | *-716.05* | |
| | | *For Class 54 Rating, Add* | *986.05* | |
| | | *For Class 55 Rating, Add* | *1,470.87* | |
| | | *For Class 56 Rating, Add* | *1,949.17* | |
| 40 05 19 00-1255 | EA | 14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,523.67 | 531.83 |
| | | *For Class 52 Rating, Deduct* | *-738.97* | |
| | | *For Class 54 Rating, Add* | *1,017.35* | |
| | | *For Class 55 Rating, Add* | *1,517.42* | |
| | | *For Class 56 Rating, Add* | *2,010.78* | |
| 40 05 19 00-1256 | EA | 14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,736.16 | 534.59 |
| | | *For Class 52 Rating, Deduct* | *-761.88* | |
| | | *For Class 54 Rating, Add* | *1,048.65* | |
| | | *For Class 55 Rating, Add* | *1,563.98* | |
| | | *For Class 56 Rating, Add* | *2,072.38* | |
| 40 05 19 00-1257 | EA | 14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,948.66 | 537.34 |
| | | *For Class 52 Rating, Deduct* | *-784.80* | |
| | | *For Class 54 Rating, Add* | *1,079.95* | |
| | | *For Class 55 Rating, Add* | *1,610.54* | |
| | | *For Class 56 Rating, Add* | *2,133.99* | |
| 40 05 19 00-1258 | EA | 14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,161.17 | 540.09 |
| | | *For Class 52 Rating, Deduct* | *-807.71* | |
| | | *For Class 54 Rating, Add* | *1,111.25* | |
| | | *For Class 55 Rating, Add* | *1,657.09* | |
| | | *For Class 56 Rating, Add* | *2,195.60* | |
| 40 05 19 00-1259 | EA | 14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,373.66 | 542.85 |
| | | *For Class 52 Rating, Deduct* | *-830.63* | |
| | | *For Class 54 Rating, Add* | *1,142.54* | |
| | | *For Class 55 Rating, Add* | *1,703.65* | |
| | | *For Class 56 Rating, Add* | *2,257.20* | |
| 40 05 19 00-1260 | EA | 14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,586.17 | 545.61 |
| | | *For Class 52 Rating, Deduct* | *-853.54* | |
| | | *For Class 54 Rating, Add* | *1,173.84* | |
| | | *For Class 55 Rating, Add* | *1,750.21* | |
| | | *For Class 56 Rating, Add* | *2,318.81* | |
| 40 05 19 00-1261 | EA | 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,798.66 | 548.35 |
| | | *For Class 52 Rating, Deduct* | *-876.46* | |
| | | *For Class 54 Rating, Add* | *1,205.14* | |
| | | *For Class 55 Rating, Add* | *1,796.76* | |
| | | *For Class 56 Rating, Add* | *2,380.41* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1262 | EA | 14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,011.16 | 551.11 |
| | | *For Class 52 Rating, Deduct* | *-899.38* | |
| | | *For Class 54 Rating, Add* | *1,236.44* | |
| | | *For Class 55 Rating, Add* | *1,843.32* | |
| | | *For Class 56 Rating, Add* | *2,442.02* | |
| 40 05 19 00-1263 | EA | 14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,223.66 | 553.87 |
| | | *For Class 52 Rating, Deduct* | *-922.29* | |
| | | *For Class 54 Rating, Add* | *1,267.74* | |
| | | *For Class 55 Rating, Add* | *1,889.88* | |
| | | *For Class 56 Rating, Add* | *2,503.63* | |
| 40 05 19 00-1264 | EA | 14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,436.16 | 556.62 |
| | | *For Class 52 Rating, Deduct* | *-945.21* | |
| | | *For Class 54 Rating, Add* | *1,299.04* | |
| | | *For Class 55 Rating, Add* | *1,936.43* | |
| | | *For Class 56 Rating, Add* | *2,565.23* | |
| 40 05 19 00-1265 | EA | 14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,648.66 | 559.38 |
| | | *For Class 52 Rating, Deduct* | *-968.12* | |
| | | *For Class 54 Rating, Add* | *1,330.34* | |
| | | *For Class 55 Rating, Add* | *1,982.99* | |
| | | *For Class 56 Rating, Add* | *2,626.84* | |
| 40 05 19 00-1266 | EA | 14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,861.15 | 562.14 |
| | | *For Class 52 Rating, Deduct* | *-991.04* | |
| | | *For Class 54 Rating, Add* | *1,361.64* | |
| | | *For Class 55 Rating, Add* | *2,029.54* | |
| | | *For Class 56 Rating, Add* | *2,688.44* | |
| 40 05 19 00-1267 | EA | 14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,073.66 | 564.90 |
| | | *For Class 52 Rating, Deduct* | *-1,013.95* | |
| | | *For Class 54 Rating, Add* | *1,392.93* | |
| | | *For Class 55 Rating, Add* | *2,076.10* | |
| | | *For Class 56 Rating, Add* | *2,750.05* | |

## 40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1269 | EA | 16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,587.60 | 529.07 |
| | | *For Class 52 Rating, Deduct* | *-196.46* | |
| | | *For Class 54 Rating, Add* | *277.52* | |
| | | *For Class 55 Rating, Add* | *417.51* | |
| | | *For Class 56 Rating, Add* | *555.72* | |
| 40 05 19 00-1270 | EA | 16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,835.20 | 531.83 |
| | | *For Class 52 Rating, Deduct* | *-223.23* | |
| | | *For Class 54 Rating, Add* | *314.08* | |
| | | *For Class 55 Rating, Add* | *471.90* | |
| | | *For Class 56 Rating, Add* | *627.68* | |
| 40 05 19 00-1271 | EA | 16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,082.81 | 534.59 |
| | | *For Class 52 Rating, Deduct* | *-250.01* | |
| | | *For Class 54 Rating, Add* | *350.65* | |
| | | *For Class 55 Rating, Add* | *526.28* | |
| | | *For Class 56 Rating, Add* | *699.65* | |
| 40 05 19 00-1272 | EA | 16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,330.42 | 537.34 |
| | | *For Class 52 Rating, Deduct* | *-276.79* | |
| | | *For Class 54 Rating, Add* | *387.21* | |
| | | *For Class 55 Rating, Add* | *580.67* | |
| | | *For Class 56 Rating, Add* | *771.61* | |
| 40 05 19 00-1273 | EA | 16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,578.04 | 540.09 |
| | | *For Class 52 Rating, Deduct* | *-303.57* | |
| | | *For Class 54 Rating, Add* | *423.78* | |
| | | *For Class 55 Rating, Add* | *635.06* | |
| | | *For Class 56 Rating, Add* | *843.57* | |
| 40 05 19 00-1274 | EA | 16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,825.64 | 542.85 |
| | | *For Class 52 Rating, Deduct* | *-330.35* | |
| | | *For Class 54 Rating, Add* | *460.34* | |
| | | *For Class 55 Rating, Add* | *689.44* | |
| | | *For Class 56 Rating, Add* | *915.54* | |
| 40 05 19 00-1275 | EA | 16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,073.26 | 545.61 |
| | | *For Class 52 Rating, Deduct* | *-357.12* | |
| | | *For Class 54 Rating, Add* | *496.91* | |
| | | *For Class 55 Rating, Add* | *743.83* | |
| | | *For Class 56 Rating, Add* | *987.50* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1276 | EA | 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,320.86 | 548.35 |
| | | *For Class 52 Rating, Deduct* | *-383.90* | |
| | | *For Class 54 Rating, Add* | *533.47* | |
| | | *For Class 55 Rating, Add* | *798.21* | |
| | | *For Class 56 Rating, Add* | *1,059.46* | |
| 40 05 19 00-1277 | EA | 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,568.47 | 551.11 |
| | | *For Class 52 Rating, Deduct* | *-410.68* | |
| | | *For Class 54 Rating, Add* | *570.04* | |
| | | *For Class 55 Rating, Add* | *852.60* | |
| | | *For Class 56 Rating, Add* | *1,131.43* | |
| 40 05 19 00-1278 | EA | 16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,816.08 | 553.87 |
| | | *For Class 52 Rating, Deduct* | *-437.46* | |
| | | *For Class 54 Rating, Add* | *606.60* | |
| | | *For Class 55 Rating, Add* | *906.99* | |
| | | *For Class 56 Rating, Add* | *1,203.39* | |
| 40 05 19 00-1279 | EA | 16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,063.70 | 556.62 |
| | | *For Class 52 Rating, Deduct* | *-464.24* | |
| | | *For Class 54 Rating, Add* | *643.17* | |
| | | *For Class 55 Rating, Add* | *961.37* | |
| | | *For Class 56 Rating, Add* | *1,275.36* | |
| 40 05 19 00-1280 | EA | 16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,311.30 | 559.38 |
| | | *For Class 52 Rating, Deduct* | *-491.01* | |
| | | *For Class 54 Rating, Add* | *679.73* | |
| | | *For Class 55 Rating, Add* | *1,015.76* | |
| | | *For Class 56 Rating, Add* | *1,347.32* | |
| 40 05 19 00-1281 | EA | 16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,558.91 | 562.14 |
| | | *For Class 52 Rating, Deduct* | *-517.79* | |
| | | *For Class 54 Rating, Add* | *716.30* | |
| | | *For Class 55 Rating, Add* | *1,070.14* | |
| | | *For Class 56 Rating, Add* | *1,419.28* | |
| 40 05 19 00-1282 | EA | 16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,806.52 | 564.90 |
| | | *For Class 52 Rating, Deduct* | *-544.57* | |
| | | *For Class 54 Rating, Add* | *752.86* | |
| | | *For Class 55 Rating, Add* | *1,124.53* | |
| | | *For Class 56 Rating, Add* | *1,491.25* | |
| 40 05 19 00-1283 | EA | 16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,054.14 | 567.65 |
| | | *For Class 52 Rating, Deduct* | *-571.35* | |
| | | *For Class 54 Rating, Add* | *789.43* | |
| | | *For Class 55 Rating, Add* | *1,178.92* | |
| | | *For Class 56 Rating, Add* | *1,563.21* | |
| 40 05 19 00-1284 | EA | 16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,301.74 | 570.40 |
| | | *For Class 52 Rating, Deduct* | *-598.12* | |
| | | *For Class 54 Rating, Add* | *825.99* | |
| | | *For Class 55 Rating, Add* | *1,233.30* | |
| | | *For Class 56 Rating, Add* | *1,635.17* | |
| 40 05 19 00-1285 | EA | 16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,549.35 | 573.16 |
| | | *For Class 52 Rating, Deduct* | *-624.90* | |
| | | *For Class 54 Rating, Add* | *862.56* | |
| | | *For Class 55 Rating, Add* | *1,287.69* | |
| | | *For Class 56 Rating, Add* | *1,707.14* | |
| 40 05 19 00-1286 | EA | 16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,796.97 | 575.91 |
| | | *For Class 52 Rating, Deduct* | *-651.68* | |
| | | *For Class 54 Rating, Add* | *899.13* | |
| | | *For Class 55 Rating, Add* | *1,342.07* | |
| | | *For Class 56 Rating, Add* | *1,779.10* | |
| 40 05 19 00-1287 | EA | 16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,044.58 | 578.67 |
| | | *For Class 52 Rating, Deduct* | *-678.46* | |
| | | *For Class 54 Rating, Add* | *935.69* | |
| | | *For Class 55 Rating, Add* | *1,396.46* | |
| | | *For Class 56 Rating, Add* | *1,851.07* | |
| 40 05 19 00-1288 | EA | 16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,292.18 | 581.43 |
| | | *For Class 52 Rating, Deduct* | *-705.24* | |
| | | *For Class 54 Rating, Add* | *972.26* | |
| | | *For Class 55 Rating, Add* | *1,450.85* | |
| | | *For Class 56 Rating, Add* | *1,923.03* | |
| 40 05 19 00-1289 | EA | 16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,539.79 | 584.19 |
| | | *For Class 52 Rating, Deduct* | *-732.01* | |
| | | *For Class 54 Rating, Add* | *1,008.82* | |
| | | *For Class 55 Rating, Add* | *1,505.23* | |
| | | *For Class 56 Rating, Add* | *1,994.99* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1290 | EA | 16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,787.41 | 586.94 |
| | | *For Class 52 Rating, Deduct* | *-758.79* | |
| | | *For Class 54 Rating, Add* | *1,045.39* | |
| | | *For Class 55 Rating, Add* | *1,559.62* | |
| | | *For Class 56 Rating, Add* | *2,066.95* | |
| 40 05 19 00-1291 | EA | 16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,035.02 | 589.70 |
| | | *For Class 52 Rating, Deduct* | *-785.57* | |
| | | *For Class 54 Rating, Add* | *1,081.95* | |
| | | *For Class 55 Rating, Add* | *1,614.01* | |
| | | *For Class 56 Rating, Add* | *2,138.92* | |
| 40 05 19 00-1292 | EA | 16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,282.62 | 592.45 |
| | | *For Class 52 Rating, Deduct* | *-812.35* | |
| | | *For Class 54 Rating, Add* | *1,118.52* | |
| | | *For Class 55 Rating, Add* | *1,668.39* | |
| | | *For Class 56 Rating, Add* | *2,210.88* | |
| 40 05 19 00-1293 | EA | 16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,530.23 | 595.21 |
| | | *For Class 52 Rating, Deduct* | *-839.13* | |
| | | *For Class 54 Rating, Add* | *1,155.08* | |
| | | *For Class 55 Rating, Add* | *1,722.78* | |
| | | *For Class 56 Rating, Add* | *2,282.85* | |
| 40 05 19 00-1294 | EA | 16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,777.84 | 597.96 |
| | | *For Class 52 Rating, Deduct* | *-865.90* | |
| | | *For Class 54 Rating, Add* | *1,191.65* | |
| | | *For Class 55 Rating, Add* | *1,777.16* | |
| | | *For Class 56 Rating, Add* | *2,354.81* | |
| 40 05 19 00-1295 | EA | 16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,025.46 | 600.72 |
| | | *For Class 52 Rating, Deduct* | *-892.68* | |
| | | *For Class 54 Rating, Add* | *1,228.21* | |
| | | *For Class 55 Rating, Add* | *1,831.55* | |
| | | *For Class 56 Rating, Add* | *2,426.77* | |
| 40 05 19 00-1296 | EA | 16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,273.06 | 603.48 |
| | | *For Class 52 Rating, Deduct* | *-919.46* | |
| | | *For Class 54 Rating, Add* | *1,264.78* | |
| | | *For Class 55 Rating, Add* | *1,885.94* | |
| | | *For Class 56 Rating, Add* | *2,498.74* | |
| 40 05 19 00-1297 | EA | 16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,520.68 | 606.23 |
| | | *For Class 52 Rating, Deduct* | *-946.24* | |
| | | *For Class 54 Rating, Add* | *1,301.34* | |
| | | *For Class 55 Rating, Add* | *1,940.32* | |
| | | *For Class 56 Rating, Add* | *2,570.70* | |
| 40 05 19 00-1298 | EA | 16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,768.28 | 608.99 |
| | | *For Class 52 Rating, Deduct* | *-973.01* | |
| | | *For Class 54 Rating, Add* | *1,337.91* | |
| | | *For Class 55 Rating, Add* | *1,994.71* | |
| | | *For Class 56 Rating, Add* | *2,642.66* | |
| 40 05 19 00-1299 | EA | 16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,015.90 | 611.75 |
| | | *For Class 52 Rating, Deduct* | *-999.79* | |
| | | *For Class 54 Rating, Add* | *1,374.48* | |
| | | *For Class 55 Rating, Add* | *2,049.10* | |
| | | *For Class 56 Rating, Add* | *2,714.63* | |
| 40 05 19 00-1300 | EA | 16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,263.50 | 614.51 |
| | | *For Class 52 Rating, Deduct* | *-1,026.57* | |
| | | *For Class 54 Rating, Add* | *1,411.04* | |
| | | *For Class 55 Rating, Add* | *2,103.48* | |
| | | *For Class 56 Rating, Add* | *2,786.59* | |
| 40 05 19 00-1301 | EA | 16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,511.12 | 617.24 |
| | | *For Class 52 Rating, Deduct* | *-1,053.35* | |
| | | *For Class 54 Rating, Add* | *1,447.61* | |
| | | *For Class 55 Rating, Add* | *2,157.87* | |
| | | *For Class 56 Rating, Add* | *2,858.56* | |
| 40 05 19 00-1302 | EA | 16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,758.72 | 620.00 |
| | | *For Class 52 Rating, Deduct* | *-1,080.13* | |
| | | *For Class 54 Rating, Add* | *1,484.17* | |
| | | *For Class 55 Rating, Add* | *2,212.25* | |
| | | *For Class 56 Rating, Add* | *2,930.52* | |
| 40 05 19 00-1303 | EA | 16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,006.34 | 622.76 |
| | | *For Class 52 Rating, Deduct* | *-1,106.90* | |
| | | *For Class 54 Rating, Add* | *1,520.74* | |
| | | *For Class 55 Rating, Add* | *2,266.64* | |
| | | *For Class 56 Rating, Add* | *3,002.48* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1304 | EA | 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,253.95 | 625.51 |
| | | *For Class 52 Rating, Deduct* | *-1,133.68* | |
| | | *For Class 54 Rating, Add* | *1,557.30* | |
| | | *For Class 55 Rating, Add* | *2,321.03* | |
| | | *For Class 56 Rating, Add* | *3,074.45* | |
| 40 05 19 00-1305 | EA | 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,501.55 | 628.27 |
| | | *For Class 52 Rating, Deduct* | *-1,160.46* | |
| | | *For Class 54 Rating, Add* | *1,593.87* | |
| | | *For Class 55 Rating, Add* | *2,375.41* | |
| | | *For Class 56 Rating, Add* | *3,146.41* | |
| 40 05 19 00-1306 | EA | 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,749.16 | 631.03 |
| | | *For Class 52 Rating, Deduct* | *-1,187.24* | |
| | | *For Class 54 Rating, Add* | *1,630.43* | |
| | | *For Class 55 Rating, Add* | *2,429.80* | |
| | | *For Class 56 Rating, Add* | *3,218.37* | |

## 40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1308 | EA | 18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 2,998.44 | 596.32 |
| | | *For Class 52 Rating, Deduct* | *-230.44* | |
| | | *For Class 54 Rating, Add* | *325.08* | |
| | | *For Class 55 Rating, Add* | *488.86* | |
| | | *For Class 56 Rating, Add* | *650.53* | |
| 40 05 19 00-1309 | EA | 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,283.50 | 599.07 |
| | | *For Class 52 Rating, Deduct* | *-261.34* | |
| | | *For Class 54 Rating, Add* | *367.27* | |
| | | *For Class 55 Rating, Add* | *551.59* | |
| | | *For Class 56 Rating, Add* | *733.55* | |
| 40 05 19 00-1310 | EA | 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,568.57 | 601.81 |
| | | *For Class 52 Rating, Deduct* | *-292.24* | |
| | | *For Class 54 Rating, Add* | *409.45* | |
| | | *For Class 55 Rating, Add* | *614.33* | |
| | | *For Class 56 Rating, Add* | *816.56* | |
| 40 05 19 00-1311 | EA | 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,853.63 | 604.57 |
| | | *For Class 52 Rating, Deduct* | *-323.14* | |
| | | *For Class 54 Rating, Add* | *451.63* | |
| | | *For Class 55 Rating, Add* | *677.07* | |
| | | *For Class 56 Rating, Add* | *899.57* | |
| 40 05 19 00-1312 | EA | 18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,138.69 | 607.33 |
| | | *For Class 52 Rating, Deduct* | *-354.03* | |
| | | *For Class 54 Rating, Add* | *493.82* | |
| | | *For Class 55 Rating, Add* | *739.81* | |
| | | *For Class 56 Rating, Add* | *982.58* | |
| 40 05 19 00-1313 | EA | 18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,423.75 | 610.08 |
| | | *For Class 52 Rating, Deduct* | *-384.93* | |
| | | *For Class 54 Rating, Add* | *536.00* | |
| | | *For Class 55 Rating, Add* | *802.55* | |
| | | *For Class 56 Rating, Add* | *1,065.59* | |
| 40 05 19 00-1314 | EA | 18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,708.81 | 612.84 |
| | | *For Class 52 Rating, Deduct* | *-415.83* | |
| | | *For Class 54 Rating, Add* | *578.18* | |
| | | *For Class 55 Rating, Add* | *865.28* | |
| | | *For Class 56 Rating, Add* | *1,148.60* | |
| 40 05 19 00-1315 | EA | 18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,993.88 | 615.60 |
| | | *For Class 52 Rating, Deduct* | *-446.73* | |
| | | *For Class 54 Rating, Add* | *620.37* | |
| | | *For Class 55 Rating, Add* | *928.02* | |
| | | *For Class 56 Rating, Add* | *1,231.62* | |
| 40 05 19 00-1316 | EA | 18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,278.94 | 618.36 |
| | | *For Class 52 Rating, Deduct* | *-477.62* | |
| | | *For Class 54 Rating, Add* | *662.55* | |
| | | *For Class 55 Rating, Add* | *990.76* | |
| | | *For Class 56 Rating, Add* | *1,314.63* | |
| 40 05 19 00-1317 | EA | 18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,563.99 | 621.10 |
| | | *For Class 52 Rating, Deduct* | *-508.52* | |
| | | *For Class 54 Rating, Add* | *704.73* | |
| | | *For Class 55 Rating, Add* | *1,053.50* | |
| | | *For Class 56 Rating, Add* | *1,397.64* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1318 | EA | 18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,849.07 | 623.86 |
| | | *For Class 52 Rating, Deduct* | *-539.42* | |
| | | *For Class 54 Rating, Add* | *746.91* | |
| | | *For Class 55 Rating, Add* | *1,116.24* | |
| | | *For Class 56 Rating, Add* | *1,480.65* | |
| 40 05 19 00-1319 | EA | 18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,134.12 | 626.62 |
| | | *For Class 52 Rating, Deduct* | *-570.32* | |
| | | *For Class 54 Rating, Add* | *789.10* | |
| | | *For Class 55 Rating, Add* | *1,178.97* | |
| | | *For Class 56 Rating, Add* | *1,563.66* | |
| 40 05 19 00-1320 | EA | 18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,419.18 | 629.37 |
| | | *For Class 52 Rating, Deduct* | *-601.21* | |
| | | *For Class 54 Rating, Add* | *831.28* | |
| | | *For Class 55 Rating, Add* | *1,241.71* | |
| | | *For Class 56 Rating, Add* | *1,646.68* | |
| 40 05 19 00-1321 | EA | 18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,704.24 | 632.13 |
| | | *For Class 52 Rating, Deduct* | *-632.11* | |
| | | *For Class 54 Rating, Add* | *873.46* | |
| | | *For Class 55 Rating, Add* | *1,304.45* | |
| | | *For Class 56 Rating, Add* | *1,729.69* | |
| 40 05 19 00-1322 | EA | 18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,989.30 | 634.89 |
| | | *For Class 52 Rating, Deduct* | *-663.01* | |
| | | *For Class 54 Rating, Add* | *915.65* | |
| | | *For Class 55 Rating, Add* | *1,367.19* | |
| | | *For Class 56 Rating, Add* | *1,812.70* | |
| 40 05 19 00-1323 | EA | 18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,274.37 | 637.65 |
| | | *For Class 52 Rating, Deduct* | *-693.91* | |
| | | *For Class 54 Rating, Add* | *957.83* | |
| | | *For Class 55 Rating, Add* | *1,429.92* | |
| | | *For Class 56 Rating, Add* | *1,895.71* | |
| 40 05 19 00-1324 | EA | 18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,559.43 | 640.39 |
| | | *For Class 52 Rating, Deduct* | *-724.80* | |
| | | *For Class 54 Rating, Add* | *1,000.01* | |
| | | *For Class 55 Rating, Add* | *1,492.66* | |
| | | *For Class 56 Rating, Add* | *1,978.72* | |
| 40 05 19 00-1325 | EA | 18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,844.48 | 643.15 |
| | | *For Class 52 Rating, Deduct* | *-755.70* | |
| | | *For Class 54 Rating, Add* | *1,042.20* | |
| | | *For Class 55 Rating, Add* | *1,555.40* | |
| | | *For Class 56 Rating, Add* | *2,061.73* | |
| 40 05 19 00-1326 | EA | 18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,129.55 | 645.91 |
| | | *For Class 52 Rating, Deduct* | *-786.60* | |
| | | *For Class 54 Rating, Add* | *1,084.38* | |
| | | *For Class 55 Rating, Add* | *1,618.14* | |
| | | *For Class 56 Rating, Add* | *2,144.75* | |
| 40 05 19 00-1327 | EA | 18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,414.62 | 648.66 |
| | | *For Class 52 Rating, Deduct* | *-817.50* | |
| | | *For Class 54 Rating, Add* | *1,126.56* | |
| | | *For Class 55 Rating, Add* | *1,680.88* | |
| | | *For Class 56 Rating, Add* | *2,227.76* | |
| 40 05 19 00-1328 | EA | 18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,699.67 | 651.42 |
| | | *For Class 52 Rating, Deduct* | *-848.39* | |
| | | *For Class 54 Rating, Add* | *1,168.74* | |
| | | *For Class 55 Rating, Add* | *1,743.61* | |
| | | *For Class 56 Rating, Add* | *2,310.77* | |
| 40 05 19 00-1329 | EA | 18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,984.74 | 654.18 |
| | | *For Class 52 Rating, Deduct* | *-879.29* | |
| | | *For Class 54 Rating, Add* | *1,210.93* | |
| | | *For Class 55 Rating, Add* | *1,806.35* | |
| | | *For Class 56 Rating, Add* | *2,393.78* | |
| 40 05 19 00-1330 | EA | 18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,269.80 | 656.94 |
| | | *For Class 52 Rating, Deduct* | *-910.19* | |
| | | *For Class 54 Rating, Add* | *1,253.11* | |
| | | *For Class 55 Rating, Add* | *1,869.09* | |
| | | *For Class 56 Rating, Add* | *2,476.80* | |
| 40 05 19 00-1331 | EA | 18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,554.86 | 659.69 |
| | | *For Class 52 Rating, Deduct* | *-941.09* | |
| | | *For Class 54 Rating, Add* | *1,295.29* | |
| | | *For Class 55 Rating, Add* | *1,931.83* | |
| | | *For Class 56 Rating, Add* | *2,559.81* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1332 | EA | 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,839.92 | 662.45 |
| | | *For Class 52 Rating, Deduct* | *-971.98* | |
| | | *For Class 54 Rating, Add* | *1,337.48* | |
| | | *For Class 55 Rating, Add* | *1,994.57* | |
| | | *For Class 56 Rating, Add* | *2,642.82* | |
| 40 05 19 00-1333 | EA | 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,124.98 | 665.20 |
| | | *For Class 52 Rating, Deduct* | *-1,002.88* | |
| | | *For Class 54 Rating, Add* | *1,379.66* | |
| | | *For Class 55 Rating, Add* | *2,057.30* | |
| | | *For Class 56 Rating, Add* | *2,725.83* | |
| 40 05 19 00-1334 | EA | 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,410.04 | 667.96 |
| | | *For Class 52 Rating, Deduct* | *-1,033.78* | |
| | | *For Class 54 Rating, Add* | *1,421.84* | |
| | | *For Class 55 Rating, Add* | *2,120.04* | |
| | | *For Class 56 Rating, Add* | *2,808.84* | |
| 40 05 19 00-1335 | EA | 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,695.11 | 670.70 |
| | | *For Class 52 Rating, Deduct* | *-1,064.68* | |
| | | *For Class 54 Rating, Add* | *1,464.03* | |
| | | *For Class 55 Rating, Add* | *2,182.78* | |
| | | *For Class 56 Rating, Add* | *2,891.85* | |
| 40 05 19 00-1336 | EA | 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,980.17 | 673.46 |
| | | *For Class 52 Rating, Deduct* | *-1,095.57* | |
| | | *For Class 54 Rating, Add* | *1,506.21* | |
| | | *For Class 55 Rating, Add* | *2,245.52* | |
| | | *For Class 56 Rating, Add* | *2,974.86* | |
| 40 05 19 00-1337 | EA | 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,265.23 | 676.22 |
| | | *For Class 52 Rating, Deduct* | *-1,126.47* | |
| | | *For Class 54 Rating, Add* | *1,548.39* | |
| | | *For Class 55 Rating, Add* | *2,308.25* | |
| | | *For Class 56 Rating, Add* | *3,057.88* | |
| 40 05 19 00-1338 | EA | 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,550.29 | 678.97 |
| | | *For Class 52 Rating, Deduct* | *-1,157.37* | |
| | | *For Class 54 Rating, Add* | *1,590.58* | |
| | | *For Class 55 Rating, Add* | *2,370.99* | |
| | | *For Class 56 Rating, Add* | *3,140.89* | |
| 40 05 19 00-1339 | EA | 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,835.35 | 681.73 |
| | | *For Class 52 Rating, Deduct* | *-1,188.27* | |
| | | *For Class 54 Rating, Add* | *1,632.76* | |
| | | *For Class 55 Rating, Add* | *2,433.73* | |
| | | *For Class 56 Rating, Add* | *3,223.90* | |
| 40 05 19 00-1340 | EA | 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,120.42 | 684.49 |
| | | *For Class 52 Rating, Deduct* | *-1,219.16* | |
| | | *For Class 54 Rating, Add* | *1,674.94* | |
| | | *For Class 55 Rating, Add* | *2,496.47* | |
| | | *For Class 56 Rating, Add* | *3,306.91* | |
| 40 05 19 00-1341 | EA | 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,405.48 | 687.24 |
| | | *For Class 52 Rating, Deduct* | *-1,250.06* | |
| | | *For Class 54 Rating, Add* | *1,717.13* | |
| | | *For Class 55 Rating, Add* | *2,559.21* | |
| | | *For Class 56 Rating, Add* | *3,389.93* | |
| 40 05 19 00-1342 | EA | 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,690.53 | 689.99 |
| | | *For Class 52 Rating, Deduct* | *-1,280.96* | |
| | | *For Class 54 Rating, Add* | *1,759.31* | |
| | | *For Class 55 Rating, Add* | *2,621.94* | |
| | | *For Class 56 Rating, Add* | *3,472.93* | |
| 40 05 19 00-1343 | EA | 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,975.59 | 692.75 |
| | | *For Class 52 Rating, Deduct* | *-1,311.86* | |
| | | *For Class 54 Rating, Add* | *1,801.49* | |
| | | *For Class 55 Rating, Add* | *2,684.68* | |
| | | *For Class 56 Rating, Add* | *3,555.95* | |
| 40 05 19 00-1344 | EA | 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,260.66 | 695.51 |
| | | *For Class 52 Rating, Deduct* | *-1,342.75* | |
| | | *For Class 54 Rating, Add* | *1,843.67* | |
| | | *For Class 55 Rating, Add* | *2,747.42* | |
| | | *For Class 56 Rating, Add* | *3,638.96* | |
| 40 05 19 00-1345 | EA | 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,545.72 | 698.26 |
| | | *For Class 52 Rating, Deduct* | *-1,373.65* | |
| | | *For Class 54 Rating, Add* | *1,885.86* | |
| | | *For Class 55 Rating, Add* | *2,810.16* | |
| | | *For Class 56 Rating, Add* | *3,721.97* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1346 | | 20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)* | | |
| 40 05 19 00-1347 | EA | 20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,498.38 | 680.64 |
| | | *For Class 52 Rating, Deduct* | *-271.38* | |
| | | *For Class 54 Rating, Add* | *382.44* | |
| | | *For Class 55 Rating, Add* | *574.92* | |
| | | *For Class 56 Rating, Add* | *764.93* | |
| 40 05 19 00-1348 | EA | 20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 3,825.57 | 683.39 |
| | | *For Class 52 Rating, Deduct* | *-306.92* | |
| | | *For Class 54 Rating, Add* | *430.95* | |
| | | *For Class 55 Rating, Add* | *647.05* | |
| | | *For Class 56 Rating, Add* | *860.37* | |
| 40 05 19 00-1349 | EA | 20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,152.77 | 686.13 |
| | | *For Class 52 Rating, Deduct* | *-342.45* | |
| | | *For Class 54 Rating, Add* | *479.45* | |
| | | *For Class 55 Rating, Add* | *719.19* | |
| | | *For Class 56 Rating, Add* | *955.81* | |
| 40 05 19 00-1350 | EA | 20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,479.96 | 688.89 |
| | | *For Class 52 Rating, Deduct* | *-377.98* | |
| | | *For Class 54 Rating, Add* | *527.95* | |
| | | *For Class 55 Rating, Add* | *791.32* | |
| | | *For Class 56 Rating, Add* | *1,051.25* | |
| 40 05 19 00-1351 | EA | 20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,807.16 | 691.65 |
| | | *For Class 52 Rating, Deduct* | *-413.51* | |
| | | *For Class 54 Rating, Add* | *576.46* | |
| | | *For Class 55 Rating, Add* | *863.45* | |
| | | *For Class 56 Rating, Add* | *1,146.69* | |
| 40 05 19 00-1352 | EA | 20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,134.35 | 694.40 |
| | | *For Class 52 Rating, Deduct* | *-449.04* | |
| | | *For Class 54 Rating, Add* | *624.96* | |
| | | *For Class 55 Rating, Add* | *935.59* | |
| | | *For Class 56 Rating, Add* | *1,242.13* | |
| 40 05 19 00-1353 | EA | 20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,461.55 | 697.16 |
| | | *For Class 52 Rating, Deduct* | *-484.58* | |
| | | *For Class 54 Rating, Add* | *673.46* | |
| | | *For Class 55 Rating, Add* | *1,007.72* | |
| | | *For Class 56 Rating, Add* | *1,337.57* | |
| 40 05 19 00-1354 | EA | 20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,788.73 | 699.92 |
| | | *For Class 52 Rating, Deduct* | *-520.11* | |
| | | *For Class 54 Rating, Add* | *721.96* | |
| | | *For Class 55 Rating, Add* | *1,079.85* | |
| | | *For Class 56 Rating, Add* | *1,433.01* | |
| 40 05 19 00-1355 | EA | 20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,115.93 | 702.68 |
| | | *For Class 52 Rating, Deduct* | *-555.64* | |
| | | *For Class 54 Rating, Add* | *770.47* | |
| | | *For Class 55 Rating, Add* | *1,151.99* | |
| | | *For Class 56 Rating, Add* | *1,528.45* | |
| 40 05 19 00-1356 | EA | 20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,443.12 | 705.42 |
| | | *For Class 52 Rating, Deduct* | *-591.17* | |
| | | *For Class 54 Rating, Add* | *818.97* | |
| | | *For Class 55 Rating, Add* | *1,224.12* | |
| | | *For Class 56 Rating, Add* | *1,623.89* | |
| 40 05 19 00-1357 | EA | 20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,770.32 | 708.18 |
| | | *For Class 52 Rating, Deduct* | *-626.70* | |
| | | *For Class 54 Rating, Add* | *867.47* | |
| | | *For Class 55 Rating, Add* | *1,296.25* | |
| | | *For Class 56 Rating, Add* | *1,719.33* | |
| 40 05 19 00-1358 | EA | 20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,097.51 | 710.94 |
| | | *For Class 52 Rating, Deduct* | *-662.24* | |
| | | *For Class 54 Rating, Add* | *915.98* | |
| | | *For Class 55 Rating, Add* | *1,368.39* | |
| | | *For Class 56 Rating, Add* | *1,814.78* | |
| 40 05 19 00-1359 | EA | 20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,424.70 | 713.69 |
| | | *For Class 52 Rating, Deduct* | *-697.77* | |
| | | *For Class 54 Rating, Add* | *964.48* | |
| | | *For Class 55 Rating, Add* | *1,440.52* | |
| | | *For Class 56 Rating, Add* | *1,910.22* | |
| 40 05 19 00-1360 | EA | 20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,751.91 | 716.45 |
| | | *For Class 52 Rating, Deduct* | *-733.30* | |
| | | *For Class 54 Rating, Add* | *1,012.98* | |
| | | *For Class 55 Rating, Add* | *1,512.65* | |
| | | *For Class 56 Rating, Add* | *2,005.66* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1361 | EA | 20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,079.10 | 719.21 |
| | | *For Class 52 Rating, Deduct* | *-768.83* | |
| | | *For Class 54 Rating, Add* | *1,061.49* | |
| | | *For Class 55 Rating, Add* | *1,584.79* | |
| | | *For Class 56 Rating, Add* | *2,101.10* | |
| 40 05 19 00-1362 | EA | 20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,406.29 | 721.97 |
| | | *For Class 52 Rating, Deduct* | *-804.37* | |
| | | *For Class 54 Rating, Add* | *1,109.99* | |
| | | *For Class 55 Rating, Add* | *1,656.92* | |
| | | *For Class 56 Rating, Add* | *2,196.54* | |
| 40 05 19 00-1363 | EA | 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,733.48 | 724.72 |
| | | *For Class 52 Rating, Deduct* | *-839.90* | |
| | | *For Class 54 Rating, Add* | *1,158.49* | |
| | | *For Class 55 Rating, Add* | *1,729.05* | |
| | | *For Class 56 Rating, Add* | *2,291.98* | |
| 40 05 19 00-1364 | EA | 20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,060.69 | 727.47 |
| | | *For Class 52 Rating, Deduct* | *-875.43* | |
| | | *For Class 54 Rating, Add* | *1,206.99* | |
| | | *For Class 55 Rating, Add* | *1,801.19* | |
| | | *For Class 56 Rating, Add* | *2,387.42* | |
| 40 05 19 00-1365 | EA | 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,387.88 | 730.23 |
| | | *For Class 52 Rating, Deduct* | *-910.96* | |
| | | *For Class 54 Rating, Add* | *1,255.50* | |
| | | *For Class 55 Rating, Add* | *1,873.32* | |
| | | *For Class 56 Rating, Add* | *2,482.86* | |
| 40 05 19 00-1366 | EA | 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,715.07 | 732.99 |
| | | *For Class 52 Rating, Deduct* | *-946.49* | |
| | | *For Class 54 Rating, Add* | *1,304.00* | |
| | | *For Class 55 Rating, Add* | *1,945.46* | |
| | | *For Class 56 Rating, Add* | *2,578.31* | |
| 40 05 19 00-1367 | EA | 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,042.27 | 735.74 |
| | | *For Class 52 Rating, Deduct* | *-982.03* | |
| | | *For Class 54 Rating, Add* | *1,352.50* | |
| | | *For Class 55 Rating, Add* | *2,017.59* | |
| | | *For Class 56 Rating, Add* | *2,673.75* | |
| 40 05 19 00-1368 | EA | 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,369.47 | 738.50 |
| | | *For Class 52 Rating, Deduct* | *-1,017.56* | |
| | | *For Class 54 Rating, Add* | *1,401.01* | |
| | | *For Class 55 Rating, Add* | *2,089.72* | |
| | | *For Class 56 Rating, Add* | *2,769.19* | |
| 40 05 19 00-1369 | EA | 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,696.65 | 741.26 |
| | | *For Class 52 Rating, Deduct* | *-1,053.09* | |
| | | *For Class 54 Rating, Add* | *1,449.51* | |
| | | *For Class 55 Rating, Add* | *2,161.85* | |
| | | *For Class 56 Rating, Add* | *2,864.63* | |
| 40 05 19 00-1370 | EA | 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,023.84 | 744.01 |
| | | *For Class 52 Rating, Deduct* | *-1,088.62* | |
| | | *For Class 54 Rating, Add* | *1,498.01* | |
| | | *For Class 55 Rating, Add* | *2,233.99* | |
| | | *For Class 56 Rating, Add* | *2,960.07* | |
| 40 05 19 00-1371 | EA | 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,351.04 | 746.77 |
| | | *For Class 52 Rating, Deduct* | *-1,124.15* | |
| | | *For Class 54 Rating, Add* | *1,546.51* | |
| | | *For Class 55 Rating, Add* | *2,306.12* | |
| | | *For Class 56 Rating, Add* | *3,055.51* | |
| 40 05 19 00-1372 | EA | 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,678.24 | 749.52 |
| | | *For Class 52 Rating, Deduct* | *-1,159.69* | |
| | | *For Class 54 Rating, Add* | *1,595.02* | |
| | | *For Class 55 Rating, Add* | *2,378.26* | |
| | | *For Class 56 Rating, Add* | *3,150.95* | |
| 40 05 19 00-1373 | EA | 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,005.43 | 752.28 |
| | | *For Class 52 Rating, Deduct* | *-1,195.22* | |
| | | *For Class 54 Rating, Add* | *1,643.52* | |
| | | *For Class 55 Rating, Add* | *2,450.39* | |
| | | *For Class 56 Rating, Add* | *3,246.39* | |
| 40 05 19 00-1374 | EA | 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,332.62 | 755.02 |
| | | *For Class 52 Rating, Deduct* | *-1,230.75* | |
| | | *For Class 54 Rating, Add* | *1,692.02* | |
| | | *For Class 55 Rating, Add* | *2,522.52* | |
| | | *For Class 56 Rating, Add* | *3,341.83* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1375 | EA | 20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,659.82 | 757.78 |
| | | *For Class 52 Rating, Deduct* | *-1,266.28* | |
| | | *For Class 54 Rating, Add* | *1,740.53* | |
| | | *For Class 55 Rating, Add* | *2,594.66* | |
| | | *For Class 56 Rating, Add* | *3,437.27* | |
| 40 05 19 00-1376 | EA | 20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,987.01 | 760.54 |
| | | *For Class 52 Rating, Deduct* | *-1,301.81* | |
| | | *For Class 54 Rating, Add* | *1,789.03* | |
| | | *For Class 55 Rating, Add* | *2,666.79* | |
| | | *For Class 56 Rating, Add* | *3,532.71* | |
| 40 05 19 00-1377 | EA | 20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,314.21 | 763.29 |
| | | *For Class 52 Rating, Deduct* | *-1,337.35* | |
| | | *For Class 54 Rating, Add* | *1,837.53* | |
| | | *For Class 55 Rating, Add* | *2,738.92* | |
| | | *For Class 56 Rating, Add* | *3,628.16* | |
| 40 05 19 00-1378 | EA | 20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,641.41 | 766.05 |
| | | *For Class 52 Rating, Deduct* | *-1,372.88* | |
| | | *For Class 54 Rating, Add* | *1,886.04* | |
| | | *For Class 55 Rating, Add* | *2,811.06* | |
| | | *For Class 56 Rating, Add* | *3,723.60* | |
| 40 05 19 00-1379 | EA | 20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,968.60 | 768.81 |
| | | *For Class 52 Rating, Deduct* | *-1,408.41* | |
| | | *For Class 54 Rating, Add* | *1,934.54* | |
| | | *For Class 55 Rating, Add* | *2,883.19* | |
| | | *For Class 56 Rating, Add* | *3,819.04* | |
| 40 05 19 00-1380 | EA | 20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,295.79 | 771.57 |
| | | *For Class 52 Rating, Deduct* | *-1,443.94* | |
| | | *For Class 54 Rating, Add* | *1,983.04* | |
| | | *For Class 55 Rating, Add* | *2,955.32* | |
| | | *For Class 56 Rating, Add* | *3,914.48* | |
| 40 05 19 00-1381 | EA | 20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,622.99 | 774.31 |
| | | *For Class 52 Rating, Deduct* | *-1,479.48* | |
| | | *For Class 54 Rating, Add* | *2,031.55* | |
| | | *For Class 55 Rating, Add* | *3,027.46* | |
| | | *For Class 56 Rating, Add* | *4,009.92* | |
| 40 05 19 00-1382 | EA | 20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,950.19 | 777.07 |
| | | *For Class 52 Rating, Deduct* | *-1,515.01* | |
| | | *For Class 54 Rating, Add* | *2,080.05* | |
| | | *For Class 55 Rating, Add* | *3,099.59* | |
| | | *For Class 56 Rating, Add* | *4,105.36* | |
| 40 05 19 00-1383 | EA | 20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,277.38 | 779.83 |
| | | *For Class 52 Rating, Deduct* | *-1,550.54* | |
| | | *For Class 54 Rating, Add* | *2,128.55* | |
| | | *For Class 55 Rating, Add* | *3,171.73* | |
| | | *For Class 56 Rating, Add* | *4,200.80* | |
| 40 05 19 00-1384 | EA | 20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,604.57 | 782.58 |
| | | *For Class 52 Rating, Deduct* | *-1,586.07* | |
| | | *For Class 54 Rating, Add* | *2,177.05* | |
| | | *For Class 55 Rating, Add* | *3,243.86* | |
| | | *For Class 56 Rating, Add* | *4,296.24* | |

## 40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1386 | EA | 24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,299.52 | 804.63 |
| | | *For Class 52 Rating, Deduct* | *-338.84* | |
| | | *For Class 54 Rating, Add* | *476.69* | |
| | | *For Class 55 Rating, Add* | *716.19* | |
| | | *For Class 56 Rating, Add* | *952.60* | |
| 40 05 19 00-1387 | EA | 24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 4,703.97 | 807.39 |
| | | *For Class 52 Rating, Deduct* | *-382.87* | |
| | | *For Class 54 Rating, Add* | *536.78* | |
| | | *For Class 55 Rating, Add* | *805.54* | |
| | | *For Class 56 Rating, Add* | *1,070.83* | |
| 40 05 19 00-1388 | EA | 24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,108.40 | 810.15 |
| | | *For Class 52 Rating, Deduct* | *-426.90* | |
| | | *For Class 54 Rating, Add* | *596.87* | |
| | | *For Class 55 Rating, Add* | *894.90* | |
| | | *For Class 56 Rating, Add* | *1,189.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1389 | EA | 24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,512.84 | 812.90 |
| | | *For Class 52 Rating, Deduct* | *-470.93* | |
| | | *For Class 54 Rating, Add* | *656.96* | |
| | | *For Class 55 Rating, Add* | *984.26* | |
| | | *For Class 56 Rating, Add* | *1,307.29* | |
| 40 05 19 00-1390 | EA | 24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 5,917.28 | 815.65 |
| | | *For Class 52 Rating, Deduct* | *-514.96* | |
| | | *For Class 54 Rating, Add* | *717.05* | |
| | | *For Class 55 Rating, Add* | *1,073.62* | |
| | | *For Class 56 Rating, Add* | *1,425.52* | |
| 40 05 19 00-1391 | EA | 24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,321.71 | 818.41 |
| | | *For Class 52 Rating, Deduct* | *-558.99* | |
| | | *For Class 54 Rating, Add* | *777.14* | |
| | | *For Class 55 Rating, Add* | *1,162.98* | |
| | | *For Class 56 Rating, Add* | *1,543.74* | |
| 40 05 19 00-1392 | EA | 24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,726.16 | 821.17 |
| | | *For Class 52 Rating, Deduct* | *-603.02* | |
| | | *For Class 54 Rating, Add* | *837.23* | |
| | | *For Class 55 Rating, Add* | *1,252.34* | |
| | | *For Class 56 Rating, Add* | *1,661.97* | |
| 40 05 19 00-1393 | EA | 24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,130.59 | 823.92 |
| | | *For Class 52 Rating, Deduct* | *-647.05* | |
| | | *For Class 54 Rating, Add* | *897.31* | |
| | | *For Class 55 Rating, Add* | *1,341.70* | |
| | | *For Class 56 Rating, Add* | *1,780.20* | |
| 40 05 19 00-1394 | EA | 24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,535.03 | 826.68 |
| | | *For Class 52 Rating, Deduct* | *-691.07* | |
| | | *For Class 54 Rating, Add* | *957.40* | |
| | | *For Class 55 Rating, Add* | *1,431.06* | |
| | | *For Class 56 Rating, Add* | *1,898.43* | |
| 40 05 19 00-1395 | EA | 24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,939.47 | 829.44 |
| | | *For Class 52 Rating, Deduct* | *-735.10* | |
| | | *For Class 54 Rating, Add* | *1,017.49* | |
| | | *For Class 55 Rating, Add* | *1,520.42* | |
| | | *For Class 56 Rating, Add* | *2,016.66* | |
| 40 05 19 00-1396 | EA | 24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,343.91 | 832.18 |
| | | *For Class 52 Rating, Deduct* | *-779.13* | |
| | | *For Class 54 Rating, Add* | *1,077.58* | |
| | | *For Class 55 Rating, Add* | *1,609.77* | |
| | | *For Class 56 Rating, Add* | *2,134.88* | |
| 40 05 19 00-1397 | EA | 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,748.34 | 834.94 |
| | | *For Class 52 Rating, Deduct* | *-823.16* | |
| | | *For Class 54 Rating, Add* | *1,137.67* | |
| | | *For Class 55 Rating, Add* | *1,699.13* | |
| | | *For Class 56 Rating, Add* | *2,253.11* | |
| 40 05 19 00-1398 | EA | 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,152.78 | 837.69 |
| | | *For Class 52 Rating, Deduct* | *-867.19* | |
| | | *For Class 54 Rating, Add* | *1,197.76* | |
| | | *For Class 55 Rating, Add* | *1,788.49* | |
| | | *For Class 56 Rating, Add* | *2,371.34* | |
| 40 05 19 00-1399 | EA | 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,557.22 | 840.45 |
| | | *For Class 52 Rating, Deduct* | *-911.22* | |
| | | *For Class 54 Rating, Add* | *1,257.85* | |
| | | *For Class 55 Rating, Add* | *1,877.85* | |
| | | *For Class 56 Rating, Add* | *2,489.57* | |
| 40 05 19 00-1400 | EA | 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,961.66 | 843.20 |
| | | *For Class 52 Rating, Deduct* | *-955.25* | |
| | | *For Class 54 Rating, Add* | *1,317.94* | |
| | | *For Class 55 Rating, Add* | *1,967.21* | |
| | | *For Class 56 Rating, Add* | *2,607.79* | |
| 40 05 19 00-1401 | EA | 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,366.10 | 845.96 |
| | | *For Class 52 Rating, Deduct* | *-999.28* | |
| | | *For Class 54 Rating, Add* | *1,378.03* | |
| | | *For Class 55 Rating, Add* | *2,056.57* | |
| | | *For Class 56 Rating, Add* | *2,726.02* | |
| 40 05 19 00-1402 | EA | 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,770.54 | 848.72 |
| | | *For Class 52 Rating, Deduct* | *-1,043.31* | |
| | | *For Class 54 Rating, Add* | *1,438.12* | |
| | | *For Class 55 Rating, Add* | *2,145.93* | |
| | | *For Class 56 Rating, Add* | *2,844.25* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1403 | EA | 24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,174.97 | 851.47 |
| | | *For Class 52 Rating, Deduct* | *-1,087.33* | |
| | | *For Class 54 Rating, Add* | *1,498.21* | |
| | | *For Class 55 Rating, Add* | *2,235.29* | |
| | | *For Class 56 Rating, Add* | *2,962.48* | |
| 40 05 19 00-1404 | EA | 24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,579.41 | 854.23 |
| | | *For Class 52 Rating, Deduct* | *-1,131.36* | |
| | | *For Class 54 Rating, Add* | *1,558.30* | |
| | | *For Class 55 Rating, Add* | *2,324.64* | |
| | | *For Class 56 Rating, Add* | *3,080.70* | |
| 40 05 19 00-1405 | EA | 24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,983.86 | 856.99 |
| | | *For Class 52 Rating, Deduct* | *-1,175.39* | |
| | | *For Class 54 Rating, Add* | *1,618.39* | |
| | | *For Class 55 Rating, Add* | *2,414.01* | |
| | | *For Class 56 Rating, Add* | *3,198.93* | |
| 40 05 19 00-1406 | EA | 24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,388.29 | 859.75 |
| | | *For Class 52 Rating, Deduct* | *-1,219.42* | |
| | | *For Class 54 Rating, Add* | *1,678.48* | |
| | | *For Class 55 Rating, Add* | *2,503.36* | |
| | | *For Class 56 Rating, Add* | *3,317.16* | |
| 40 05 19 00-1407 | EA | 24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,792.72 | 862.49 |
| | | *For Class 52 Rating, Deduct* | *-1,263.45* | |
| | | *For Class 54 Rating, Add* | *1,738.57* | |
| | | *For Class 55 Rating, Add* | *2,592.72* | |
| | | *For Class 56 Rating, Add* | *3,435.39* | |
| 40 05 19 00-1408 | EA | 24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,197.17 | 865.25 |
| | | *For Class 52 Rating, Deduct* | *-1,307.48* | |
| | | *For Class 54 Rating, Add* | *1,798.66* | |
| | | *For Class 55 Rating, Add* | *2,682.08* | |
| | | *For Class 56 Rating, Add* | *3,553.62* | |
| 40 05 19 00-1409 | EA | 24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,601.61 | 868.01 |
| | | *For Class 52 Rating, Deduct* | *-1,351.51* | |
| | | *For Class 54 Rating, Add* | *1,858.75* | |
| | | *For Class 55 Rating, Add* | *2,771.44* | |
| | | *For Class 56 Rating, Add* | *3,671.85* | |
| 40 05 19 00-1410 | EA | 24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,006.04 | 870.77 |
| | | *For Class 52 Rating, Deduct* | *-1,395.54* | |
| | | *For Class 54 Rating, Add* | *1,918.84* | |
| | | *For Class 55 Rating, Add* | *2,860.80* | |
| | | *For Class 56 Rating, Add* | *3,790.07* | |
| 40 05 19 00-1411 | EA | 24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,410.48 | 873.52 |
| | | *For Class 52 Rating, Deduct* | *-1,439.57* | |
| | | *For Class 54 Rating, Add* | *1,978.93* | |
| | | *For Class 55 Rating, Add* | *2,950.16* | |
| | | *For Class 56 Rating, Add* | *3,908.30* | |
| 40 05 19 00-1412 | EA | 24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,814.92 | 876.28 |
| | | *For Class 52 Rating, Deduct* | *-1,483.60* | |
| | | *For Class 54 Rating, Add* | *2,039.02* | |
| | | *For Class 55 Rating, Add* | *3,039.52* | |
| | | *For Class 56 Rating, Add* | *4,026.53* | |
| 40 05 19 00-1413 | EA | 24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,219.36 | 879.04 |
| | | *For Class 52 Rating, Deduct* | *-1,527.62* | |
| | | *For Class 54 Rating, Add* | *2,099.11* | |
| | | *For Class 55 Rating, Add* | *3,128.88* | |
| | | *For Class 56 Rating, Add* | *4,144.76* | |
| 40 05 19 00-1414 | EA | 24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,623.79 | 881.78 |
| | | *For Class 52 Rating, Deduct* | *-1,571.65* | |
| | | *For Class 54 Rating, Add* | *2,159.19* | |
| | | *For Class 55 Rating, Add* | *3,218.23* | |
| | | *For Class 56 Rating, Add* | *4,262.98* | |
| 40 05 19 00-1415 | EA | 24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,099.21 | 931.38 |
| | | *For Class 52 Rating, Deduct* | *-1,615.68* | |
| | | *For Class 54 Rating, Add* | *2,220.14* | |
| | | *For Class 55 Rating, Add* | *3,309.30* | |
| | | *For Class 56 Rating, Add* | *4,383.77* | |
| 40 05 19 00-1416 | EA | 24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,503.64 | 934.14 |
| | | *For Class 52 Rating, Deduct* | *-1,659.71* | |
| | | *For Class 54 Rating, Add* | *2,280.23* | |
| | | *For Class 55 Rating, Add* | *3,398.66* | |
| | | *For Class 56 Rating, Add* | *4,502.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1417 | EA | 24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,908.09 | 936.90 |
| | | *For Class 52 Rating, Deduct* | *-1,703.74* | |
| | | *For Class 54 Rating, Add* | *2,340.32* | |
| | | *For Class 55 Rating, Add* | *3,488.01* | |
| | | *For Class 56 Rating, Add* | *4,620.22* | |
| 40 05 19 00-1418 | EA | 24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,312.53 | 939.66 |
| | | *For Class 52 Rating, Deduct* | *-1,747.77* | |
| | | *For Class 54 Rating, Add* | *2,400.41* | |
| | | *For Class 55 Rating, Add* | *3,577.37* | |
| | | *For Class 56 Rating, Add* | *4,738.45* | |
| 40 05 19 00-1419 | EA | 24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,716.96 | 942.41 |
| | | *For Class 52 Rating, Deduct* | *-1,791.80* | |
| | | *For Class 54 Rating, Add* | *2,460.50* | |
| | | *For Class 55 Rating, Add* | *3,666.73* | |
| | | *For Class 56 Rating, Add* | *4,856.68* | |
| 40 05 19 00-1420 | EA | 24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,121.39 | 945.17 |
| | | *For Class 52 Rating, Deduct* | *-1,835.83* | |
| | | *For Class 54 Rating, Add* | *2,520.58* | |
| | | *For Class 55 Rating, Add* | *3,756.09* | |
| | | *For Class 56 Rating, Add* | *4,974.91* | |
| 40 05 19 00-1421 | EA | 24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,525.85 | 947.93 |
| | | *For Class 52 Rating, Deduct* | *-1,879.86* | |
| | | *For Class 54 Rating, Add* | *2,580.68* | |
| | | *For Class 55 Rating, Add* | *3,845.45* | |
| | | *For Class 56 Rating, Add* | *5,093.14* | |
| 40 05 19 00-1422 | EA | 24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,930.28 | 950.67 |
| | | *For Class 52 Rating, Deduct* | *-1,923.88* | |
| | | *For Class 54 Rating, Add* | *2,640.76* | |
| | | *For Class 55 Rating, Add* | *3,934.81* | |
| | | *For Class 56 Rating, Add* | *5,211.36* | |
| 40 05 19 00-1423 | EA | 24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,334.71 | 953.43 |
| | | *For Class 52 Rating, Deduct* | *-1,967.91* | |
| | | *For Class 54 Rating, Add* | *2,700.85* | |
| | | *For Class 55 Rating, Add* | *4,024.17* | |
| | | *For Class 56 Rating, Add* | *5,329.59* | |

## 40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1425 | EA | 30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 6,588.85 | 1,135.30 |
| | | *For Class 52 Rating, Deduct* | *-535.56* | |
| | | *For Class 54 Rating, Add* | *750.95* | |
| | | *For Class 55 Rating, Add* | *1,127.00* | |
| | | *For Class 56 Rating, Add* | *1,498.19* | |
| 40 05 19 00-1426 | EA | 30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,171.19 | 1,138.05 |
| | | *For Class 52 Rating, Deduct* | *-599.15* | |
| | | *For Class 54 Rating, Add* | *837.72* | |
| | | *For Class 55 Rating, Add* | *1,256.03* | |
| | | *For Class 56 Rating, Add* | *1,668.90* | |
| 40 05 19 00-1427 | EA | 30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 7,753.51 | 1,140.81 |
| | | *For Class 52 Rating, Deduct* | *-662.75* | |
| | | *For Class 54 Rating, Add* | *924.49* | |
| | | *For Class 55 Rating, Add* | *1,385.06* | |
| | | *For Class 56 Rating, Add* | *1,839.60* | |
| 40 05 19 00-1428 | EA | 30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,335.84 | 1,143.57 |
| | | *For Class 52 Rating, Deduct* | *-726.35* | |
| | | *For Class 54 Rating, Add* | *1,011.27* | |
| | | *For Class 55 Rating, Add* | *1,514.09* | |
| | | *For Class 56 Rating, Add* | *2,010.31* | |
| 40 05 19 00-1429 | EA | 30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 8,918.19 | 1,146.33 |
| | | *For Class 52 Rating, Deduct* | *-789.95* | |
| | | *For Class 54 Rating, Add* | *1,098.04* | |
| | | *For Class 55 Rating, Add* | *1,643.12* | |
| | | *For Class 56 Rating, Add* | *2,181.02* | |
| 40 05 19 00-1430 | EA | 30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,500.52 | 1,149.08 |
| | | *For Class 52 Rating, Deduct* | *-853.54* | |
| | | *For Class 54 Rating, Add* | *1,184.82* | |
| | | *For Class 55 Rating, Add* | *1,772.15* | |
| | | *For Class 56 Rating, Add* | *2,351.73* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1431 | EA | 30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,082.84 | 1,151.83 |
| | | *For Class 52 Rating, Deduct* | *-917.14* | |
| | | *For Class 54 Rating, Add* | *1,271.59* | |
| | | *For Class 55 Rating, Add* | *1,901.18* | |
| | | *For Class 56 Rating, Add* | *2,522.43* | |
| 40 05 19 00-1432 | EA | 30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,665.17 | 1,154.59 |
| | | *For Class 52 Rating, Deduct* | *-980.74* | |
| | | *For Class 54 Rating, Add* | *1,358.36* | |
| | | *For Class 55 Rating, Add* | *2,030.21* | |
| | | *For Class 56 Rating, Add* | *2,693.14* | |
| 40 05 19 00-1433 | EA | 30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,247.52 | 1,157.34 |
| | | *For Class 52 Rating, Deduct* | *-1,044.34* | |
| | | *For Class 54 Rating, Add* | *1,445.14* | |
| | | *For Class 55 Rating, Add* | *2,159.24* | |
| | | *For Class 56 Rating, Add* | *2,863.85* | |
| 40 05 19 00-1434 | EA | 30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,829.85 | 1,160.10 |
| | | *For Class 52 Rating, Deduct* | *-1,107.93* | |
| | | *For Class 54 Rating, Add* | *1,531.91* | |
| | | *For Class 55 Rating, Add* | *2,288.27* | |
| | | *For Class 56 Rating, Add* | *3,034.55* | |
| 40 05 19 00-1435 | EA | 30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,412.18 | 1,162.86 |
| | | *For Class 52 Rating, Deduct* | *-1,171.53* | |
| | | *For Class 54 Rating, Add* | *1,618.68* | |
| | | *For Class 55 Rating, Add* | *2,417.30* | |
| | | *For Class 56 Rating, Add* | *3,205.26* | |
| 40 05 19 00-1436 | EA | 30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,994.50 | 1,165.62 |
| | | *For Class 52 Rating, Deduct* | *-1,235.13* | |
| | | *For Class 54 Rating, Add* | *1,705.46* | |
| | | *For Class 55 Rating, Add* | *2,546.33* | |
| | | *For Class 56 Rating, Add* | *3,375.97* | |
| 40 05 19 00-1437 | EA | 30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,576.85 | 1,168.37 |
| | | *For Class 52 Rating, Deduct* | *-1,298.72* | |
| | | *For Class 54 Rating, Add* | *1,792.23* | |
| | | *For Class 55 Rating, Add* | *2,675.36* | |
| | | *For Class 56 Rating, Add* | *3,546.67* | |
| 40 05 19 00-1438 | EA | 30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,159.18 | 1,171.13 |
| | | *For Class 52 Rating, Deduct* | *-1,362.32* | |
| | | *For Class 54 Rating, Add* | *1,879.01* | |
| | | *For Class 55 Rating, Add* | *2,804.39* | |
| | | *For Class 56 Rating, Add* | *3,717.38* | |
| 40 05 19 00-1439 | EA | 30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,741.51 | 1,173.88 |
| | | *For Class 52 Rating, Deduct* | *-1,425.92* | |
| | | *For Class 54 Rating, Add* | *1,965.78* | |
| | | *For Class 55 Rating, Add* | *2,933.42* | |
| | | *For Class 56 Rating, Add* | *3,888.09* | |
| 40 05 19 00-1440 | EA | 30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,323.85 | 1,176.63 |
| | | *For Class 52 Rating, Deduct* | *-1,489.52* | |
| | | *For Class 54 Rating, Add* | *2,052.55* | |
| | | *For Class 55 Rating, Add* | *3,062.45* | |
| | | *For Class 56 Rating, Add* | *4,058.80* | |
| 40 05 19 00-1441 | EA | 30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,906.18 | 1,179.39 |
| | | *For Class 52 Rating, Deduct* | *-1,553.11* | |
| | | *For Class 54 Rating, Add* | *2,139.33* | |
| | | *For Class 55 Rating, Add* | *3,191.47* | |
| | | *For Class 56 Rating, Add* | *4,229.50* | |
| 40 05 19 00-1442 | EA | 30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,488.51 | 1,182.15 |
| | | *For Class 52 Rating, Deduct* | *-1,616.71* | |
| | | *For Class 54 Rating, Add* | *2,226.10* | |
| | | *For Class 55 Rating, Add* | *3,320.50* | |
| | | *For Class 56 Rating, Add* | *4,400.21* | |
| 40 05 19 00-1443 | EA | 30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,070.84 | 1,184.91 |
| | | *For Class 52 Rating, Deduct* | *-1,680.31* | |
| | | *For Class 54 Rating, Add* | *2,312.87* | |
| | | *For Class 55 Rating, Add* | *3,449.53* | |
| | | *For Class 56 Rating, Add* | *4,570.92* | |
| 40 05 19 00-1444 | EA | 30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,653.18 | 1,187.65 |
| | | *For Class 52 Rating, Deduct* | *-1,743.91* | |
| | | *For Class 54 Rating, Add* | *2,399.65* | |
| | | *For Class 55 Rating, Add* | *3,578.56* | |
| | | *For Class 56 Rating, Add* | *4,741.62* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1445 | EA | 30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,235.50 | 1,190.41 |
| | | *For Class 52 Rating, Deduct* | *-1,807.50* | |
| | | *For Class 54 Rating, Add* | *2,486.42* | |
| | | *For Class 55 Rating, Add* | *3,707.59* | |
| | | *For Class 56 Rating, Add* | *4,912.33* | |
| 40 05 19 00-1446 | EA | 30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,817.84 | 1,193.17 |
| | | *For Class 52 Rating, Deduct* | *-1,871.10* | |
| | | *For Class 54 Rating, Add* | *2,573.20* | |
| | | *For Class 55 Rating, Add* | *3,836.62* | |
| | | *For Class 56 Rating, Add* | *5,083.03* | |
| 40 05 19 00-1447 | EA | 30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,400.18 | 1,195.91 |
| | | *For Class 52 Rating, Deduct* | *-1,934.70* | |
| | | *For Class 54 Rating, Add* | *2,659.97* | |
| | | *For Class 55 Rating, Add* | *3,965.65* | |
| | | *For Class 56 Rating, Add* | *5,253.74* | |
| 40 05 19 00-1448 | EA | 30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,982.51 | 1,198.67 |
| | | *For Class 52 Rating, Deduct* | *-1,998.30* | |
| | | *For Class 54 Rating, Add* | *2,746.74* | |
| | | *For Class 55 Rating, Add* | *4,094.68* | |
| | | *For Class 56 Rating, Add* | *5,424.45* | |
| 40 05 19 00-1449 | EA | 30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,564.84 | 1,201.43 |
| | | *For Class 52 Rating, Deduct* | *-2,061.89* | |
| | | *For Class 54 Rating, Add* | *2,833.52* | |
| | | *For Class 55 Rating, Add* | *4,223.71* | |
| | | *For Class 56 Rating, Add* | *5,595.16* | |
| 40 05 19 00-1450 | EA | 30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 21,147.17 | 1,204.19 |
| | | *For Class 52 Rating, Deduct* | *-2,125.49* | |
| | | *For Class 54 Rating, Add* | *2,920.29* | |
| | | *For Class 55 Rating, Add* | *4,352.74* | |
| | | *For Class 56 Rating, Add* | *5,765.86* | |
| 40 05 19 00-1451 | EA | 30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 21,729.51 | 1,206.94 |
| | | *For Class 52 Rating, Deduct* | *-2,189.09* | |
| | | *For Class 54 Rating, Add* | *3,007.06* | |
| | | *For Class 55 Rating, Add* | *4,481.77* | |
| | | *For Class 56 Rating, Add* | *5,936.57* | |
| 40 05 19 00-1452 | EA | 30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,311.84 | 1,209.70 |
| | | *For Class 52 Rating, Deduct* | *-2,252.69* | |
| | | *For Class 54 Rating, Add* | *3,093.84* | |
| | | *For Class 55 Rating, Add* | *4,610.80* | |
| | | *For Class 56 Rating, Add* | *6,107.28* | |
| 40 05 19 00-1453 | EA | 30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,894.17 | 1,212.46 |
| | | *For Class 52 Rating, Deduct* | *-2,316.28* | |
| | | *For Class 54 Rating, Add* | *3,180.61* | |
| | | *For Class 55 Rating, Add* | *4,739.83* | |
| | | *For Class 56 Rating, Add* | *6,277.98* | |
| 40 05 19 00-1454 | EA | 30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 23,476.51 | 1,215.22 |
| | | *For Class 52 Rating, Deduct* | *-2,379.88* | |
| | | *For Class 54 Rating, Add* | *3,267.39* | |
| | | *For Class 55 Rating, Add* | *4,868.86* | |
| | | *For Class 56 Rating, Add* | *6,448.69* | |
| 40 05 19 00-1455 | EA | 30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,058.84 | 1,217.96 |
| | | *For Class 52 Rating, Deduct* | *-2,443.48* | |
| | | *For Class 54 Rating, Add* | *3,354.16* | |
| | | *For Class 55 Rating, Add* | *4,997.88* | |
| | | *For Class 56 Rating, Add* | *6,619.40* | |
| 40 05 19 00-1456 | EA | 30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,641.17 | 1,220.72 |
| | | *For Class 52 Rating, Deduct* | *-2,507.07* | |
| | | *For Class 54 Rating, Add* | *3,440.93* | |
| | | *For Class 55 Rating, Add* | *5,126.91* | |
| | | *For Class 56 Rating, Add* | *6,790.10* | |
| 40 05 19 00-1457 | EA | 30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 25,223.50 | 1,223.48 |
| | | *For Class 52 Rating, Deduct* | *-2,570.67* | |
| | | *For Class 54 Rating, Add* | *3,527.71* | |
| | | *For Class 55 Rating, Add* | *5,255.94* | |
| | | *For Class 56 Rating, Add* | *6,960.81* | |
| 40 05 19 00-1458 | EA | 30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 25,805.85 | 1,226.23 |
| | | *For Class 52 Rating, Deduct* | *-2,634.27* | |
| | | *For Class 54 Rating, Add* | *3,614.48* | |
| | | *For Class 55 Rating, Add* | *5,384.97* | |
| | | *For Class 56 Rating, Add* | *7,131.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1459 | EA | 30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 26,388.17 | 1,228.99 |
| | | *For Class 52 Rating, Deduct* | *-2,697.87* | |
| | | *For Class 54 Rating, Add* | *3,701.25* | |
| | | *For Class 55 Rating, Add* | *5,514.00* | |
| | | *For Class 56 Rating, Add* | *7,302.22* | |
| 40 05 19 00-1460 | EA | 30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 26,970.50 | 1,231.75 |
| | | *For Class 52 Rating, Deduct* | *-2,761.46* | |
| | | *For Class 54 Rating, Add* | *3,788.03* | |
| | | *For Class 55 Rating, Add* | *5,643.03* | |
| | | *For Class 56 Rating, Add* | *7,472.93* | |
| 40 05 19 00-1461 | EA | 30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 27,552.83 | 1,234.51 |
| | | *For Class 52 Rating, Deduct* | *-2,825.06* | |
| | | *For Class 54 Rating, Add* | *3,874.80* | |
| | | *For Class 55 Rating, Add* | *5,772.06* | |
| | | *For Class 56 Rating, Add* | *7,643.64* | |
| 40 05 19 00-1462 | EA | 30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 28,135.18 | 1,237.26 |
| | | *For Class 52 Rating, Deduct* | *-2,888.66* | |
| | | *For Class 54 Rating, Add* | *3,961.58* | |
| | | *For Class 55 Rating, Add* | *5,901.09* | |
| | | *For Class 56 Rating, Add* | *7,814.35* | |

## 40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1464 | EA | 36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,112.63 | 1,438.42 |
| | | *For Class 52 Rating, Deduct* | *-762.65* | |
| | | *For Class 54 Rating, Add* | *1,066.13* | |
| | | *For Class 55 Rating, Add* | *1,598.41* | |
| | | *For Class 56 Rating, Add* | *2,123.76* | |
| 40 05 19 00-1465 | EA | 36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 9,903.28 | 1,441.18 |
| | | *For Class 52 Rating, Deduct* | *-849.17* | |
| | | *For Class 54 Rating, Add* | *1,184.16* | |
| | | *For Class 55 Rating, Add* | *1,773.90* | |
| | | *For Class 56 Rating, Add* | *2,355.92* | |
| 40 05 19 00-1466 | EA | 36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 10,693.94 | 1,443.92 |
| | | *For Class 52 Rating, Deduct* | *-935.68* | |
| | | *For Class 54 Rating, Add* | *1,302.18* | |
| | | *For Class 55 Rating, Add* | *1,949.38* | |
| | | *For Class 56 Rating, Add* | *2,588.08* | |
| 40 05 19 00-1467 | EA | 36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 11,484.61 | 1,446.68 |
| | | *For Class 52 Rating, Deduct* | *-1,022.19* | |
| | | *For Class 54 Rating, Add* | *1,420.20* | |
| | | *For Class 55 Rating, Add* | *2,124.87* | |
| | | *For Class 56 Rating, Add* | *2,820.24* | |
| 40 05 19 00-1468 | EA | 36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,275.26 | 1,449.44 |
| | | *For Class 52 Rating, Deduct* | *-1,108.71* | |
| | | *For Class 54 Rating, Add* | *1,538.22* | |
| | | *For Class 55 Rating, Add* | *2,300.36* | |
| | | *For Class 56 Rating, Add* | *3,052.41* | |
| 40 05 19 00-1469 | EA | 36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,065.91 | 1,452.19 |
| | | *For Class 52 Rating, Deduct* | *-1,195.22* | |
| | | *For Class 54 Rating, Add* | *1,656.25* | |
| | | *For Class 55 Rating, Add* | *2,475.84* | |
| | | *For Class 56 Rating, Add* | *3,284.57* | |
| 40 05 19 00-1470 | EA | 36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,856.56 | 1,454.95 |
| | | *For Class 52 Rating, Deduct* | *-1,281.73* | |
| | | *For Class 54 Rating, Add* | *1,774.27* | |
| | | *For Class 55 Rating, Add* | *2,651.33* | |
| | | *For Class 56 Rating, Add* | *3,516.73* | |
| 40 05 19 00-1471 | EA | 36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,647.24 | 1,457.71 |
| | | *For Class 52 Rating, Deduct* | *-1,368.24* | |
| | | *For Class 54 Rating, Add* | *1,892.29* | |
| | | *For Class 55 Rating, Add* | *2,826.81* | |
| | | *For Class 56 Rating, Add* | *3,748.90* | |
| 40 05 19 00-1472 | EA | 36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,437.89 | 1,460.47 |
| | | *For Class 52 Rating, Deduct* | *-1,454.76* | |
| | | *For Class 54 Rating, Add* | *2,010.31* | |
| | | *For Class 55 Rating, Add* | *3,002.30* | |
| | | *For Class 56 Rating, Add* | *3,981.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1473 | EA | 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,228.54 | 1,463.21 |
| | | *For Class 52 Rating, Deduct* | *-1,541.27* | |
| | | *For Class 54 Rating, Add* | *2,128.34* | |
| | | *For Class 55 Rating, Add* | *3,177.78* | |
| | | *For Class 56 Rating, Add* | *4,213.22* | |
| 40 05 19 00-1474 | EA | 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,019.19 | 1,465.97 |
| | | *For Class 52 Rating, Deduct* | *-1,627.78* | |
| | | *For Class 54 Rating, Add* | *2,246.36* | |
| | | *For Class 55 Rating, Add* | *3,353.27* | |
| | | *For Class 56 Rating, Add* | *4,445.38* | |
| 40 05 19 00-1475 | EA | 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,809.85 | 1,468.73 |
| | | *For Class 52 Rating, Deduct* | *-1,714.30* | |
| | | *For Class 54 Rating, Add* | *2,364.38* | |
| | | *For Class 55 Rating, Add* | *3,528.75* | |
| | | *For Class 56 Rating, Add* | *4,677.54* | |
| 40 05 19 00-1476 | EA | 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,600.52 | 1,471.48 |
| | | *For Class 52 Rating, Deduct* | *-1,800.81* | |
| | | *For Class 54 Rating, Add* | *2,482.40* | |
| | | *For Class 55 Rating, Add* | *3,704.24* | |
| | | *For Class 56 Rating, Add* | *4,909.71* | |
| 40 05 19 00-1477 | EA | 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,391.17 | 1,474.24 |
| | | *For Class 52 Rating, Deduct* | *-1,887.32* | |
| | | *For Class 54 Rating, Add* | *2,600.43* | |
| | | *For Class 55 Rating, Add* | *3,879.73* | |
| | | *For Class 56 Rating, Add* | *5,141.87* | |
| 40 05 19 00-1478 | EA | 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,181.83 | 1,476.99 |
| | | *For Class 52 Rating, Deduct* | *-1,973.84* | |
| | | *For Class 54 Rating, Add* | *2,718.45* | |
| | | *For Class 55 Rating, Add* | *4,055.21* | |
| | | *For Class 56 Rating, Add* | *5,374.03* | |
| 40 05 19 00-1479 | EA | 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,972.48 | 1,479.75 |
| | | *For Class 52 Rating, Deduct* | *-2,060.35* | |
| | | *For Class 54 Rating, Add* | *2,836.47* | |
| | | *For Class 55 Rating, Add* | *4,230.70* | |
| | | *For Class 56 Rating, Add* | *5,606.19* | |
| 40 05 19 00-1480 | EA | 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 21,763.14 | 1,482.50 |
| | | *For Class 52 Rating, Deduct* | *-2,146.86* | |
| | | *For Class 54 Rating, Add* | *2,954.49* | |
| | | *For Class 55 Rating, Add* | *4,406.18* | |
| | | *For Class 56 Rating, Add* | *5,838.36* | |
| 40 05 19 00-1481 | EA | 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,553.80 | 1,485.25 |
| | | *For Class 52 Rating, Deduct* | *-2,233.38* | |
| | | *For Class 54 Rating, Add* | *3,072.52* | |
| | | *For Class 55 Rating, Add* | *4,581.67* | |
| | | *For Class 56 Rating, Add* | *6,070.52* | |
| 40 05 19 00-1482 | EA | 36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 23,344.46 | 1,488.01 |
| | | *For Class 52 Rating, Deduct* | *-2,319.89* | |
| | | *For Class 54 Rating, Add* | *3,190.54* | |
| | | *For Class 55 Rating, Add* | *4,757.16* | |
| | | *For Class 56 Rating, Add* | *6,302.68* | |
| 40 05 19 00-1483 | EA | 36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,135.11 | 1,490.77 |
| | | *For Class 52 Rating, Deduct* | *-2,406.40* | |
| | | *For Class 54 Rating, Add* | *3,308.56* | |
| | | *For Class 55 Rating, Add* | *4,932.64* | |
| | | *For Class 56 Rating, Add* | *6,534.84* | |
| 40 05 19 00-1484 | EA | 36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,925.77 | 1,493.52 |
| | | *For Class 52 Rating, Deduct* | *-2,492.91* | |
| | | *For Class 54 Rating, Add* | *3,426.58* | |
| | | *For Class 55 Rating, Add* | *5,108.13* | |
| | | *For Class 56 Rating, Add* | *6,767.01* | |
| 40 05 19 00-1485 | EA | 36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 25,716.43 | 1,496.28 |
| | | *For Class 52 Rating, Deduct* | *-2,579.43* | |
| | | *For Class 54 Rating, Add* | *3,544.60* | |
| | | *For Class 55 Rating, Add* | *5,283.61* | |
| | | *For Class 56 Rating, Add* | *6,999.17* | |
| 40 05 19 00-1486 | EA | 36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 26,507.08 | 1,499.04 |
| | | *For Class 52 Rating, Deduct* | *-2,665.94* | |
| | | *For Class 54 Rating, Add* | *3,662.63* | |
| | | *For Class 55 Rating, Add* | *5,459.10* | |
| | | *For Class 56 Rating, Add* | *7,231.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1487 | EA | 36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 27,297.74 | 1,501.79 |
| | | *For Class 52 Rating, Deduct* | *-2,752.45* | |
| | | *For Class 54 Rating, Add* | *3,780.65* | |
| | | *For Class 55 Rating, Add* | *5,634.58* | |
| | | *For Class 56 Rating, Add* | *7,463.49* | |
| 40 05 19 00-1488 | EA | 36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 28,088.40 | 1,504.55 |
| | | *For Class 52 Rating, Deduct* | *-2,838.97* | |
| | | *For Class 54 Rating, Add* | *3,898.67* | |
| | | *For Class 55 Rating, Add* | *5,810.07* | |
| | | *For Class 56 Rating, Add* | *7,695.66* | |
| 40 05 19 00-1489 | EA | 36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 28,879.06 | 1,507.31 |
| | | *For Class 52 Rating, Deduct* | *-2,925.48* | |
| | | *For Class 54 Rating, Add* | *4,016.69* | |
| | | *For Class 55 Rating, Add* | *5,985.55* | |
| | | *For Class 56 Rating, Add* | *7,927.82* | |
| 40 05 19 00-1490 | EA | 36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 29,669.71 | 1,510.06 |
| | | *For Class 52 Rating, Deduct* | *-3,011.99* | |
| | | *For Class 54 Rating, Add* | *4,134.72* | |
| | | *For Class 55 Rating, Add* | *6,161.04* | |
| | | *For Class 56 Rating, Add* | *8,159.98* | |
| 40 05 19 00-1491 | EA | 36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 30,460.36 | 1,512.81 |
| | | *For Class 52 Rating, Deduct* | *-3,098.50* | |
| | | *For Class 54 Rating, Add* | *4,252.74* | |
| | | *For Class 55 Rating, Add* | *6,336.52* | |
| | | *For Class 56 Rating, Add* | *8,392.14* | |
| 40 05 19 00-1492 | EA | 36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 31,251.02 | 1,515.57 |
| | | *For Class 52 Rating, Deduct* | *-3,185.02* | |
| | | *For Class 54 Rating, Add* | *4,370.76* | |
| | | *For Class 55 Rating, Add* | *6,512.01* | |
| | | *For Class 56 Rating, Add* | *8,624.31* | |
| 40 05 19 00-1493 | EA | 36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 32,041.69 | 1,518.33 |
| | | *For Class 52 Rating, Deduct* | *-3,271.53* | |
| | | *For Class 54 Rating, Add* | *4,488.78* | |
| | | *For Class 55 Rating, Add* | *6,687.50* | |
| | | *For Class 56 Rating, Add* | *8,856.47* | |
| 40 05 19 00-1494 | EA | 36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 32,832.34 | 1,521.08 |
| | | *For Class 52 Rating, Deduct* | *-3,358.04* | |
| | | *For Class 54 Rating, Add* | *4,606.81* | |
| | | *For Class 55 Rating, Add* | *6,862.98* | |
| | | *For Class 56 Rating, Add* | *9,088.63* | |
| 40 05 19 00-1495 | EA | 36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 33,622.99 | 1,523.84 |
| | | *For Class 52 Rating, Deduct* | *-3,444.56* | |
| | | *For Class 54 Rating, Add* | *4,724.83* | |
| | | *For Class 55 Rating, Add* | *7,038.47* | |
| | | *For Class 56 Rating, Add* | *9,320.79* | |
| 40 05 19 00-1496 | EA | 36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 34,413.65 | 1,526.60 |
| | | *For Class 52 Rating, Deduct* | *-3,531.07* | |
| | | *For Class 54 Rating, Add* | *4,842.85* | |
| | | *For Class 55 Rating, Add* | *7,213.95* | |
| | | *For Class 56 Rating, Add* | *9,552.95* | |
| 40 05 19 00-1497 | EA | 36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 35,204.32 | 1,529.36 |
| | | *For Class 52 Rating, Deduct* | *-3,617.58* | |
| | | *For Class 54 Rating, Add* | *4,960.87* | |
| | | *For Class 55 Rating, Add* | *7,389.44* | |
| | | *For Class 56 Rating, Add* | *9,785.12* | |
| 40 05 19 00-1498 | EA | 36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 35,994.97 | 1,532.10 |
| | | *For Class 52 Rating, Deduct* | *-3,704.10* | |
| | | *For Class 54 Rating, Add* | *5,078.90* | |
| | | *For Class 55 Rating, Add* | *7,564.93* | |
| | | *For Class 56 Rating, Add* | *10,017.28* | |
| 40 05 19 00-1499 | EA | 36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 36,785.62 | 1,534.86 |
| | | *For Class 52 Rating, Deduct* | *-3,790.61* | |
| | | *For Class 54 Rating, Add* | *5,196.92* | |
| | | *For Class 55 Rating, Add* | *7,740.41* | |
| | | *For Class 56 Rating, Add* | *10,249.44* | |
| 40 05 19 00-1500 | EA | 36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 37,576.28 | 1,537.62 |
| | | *For Class 52 Rating, Deduct* | *-3,877.12* | |
| | | *For Class 54 Rating, Add* | *5,314.94* | |
| | | *For Class 55 Rating, Add* | *7,915.90* | |
| | | *For Class 56 Rating, Add* | *10,481.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1501 | EA | 36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 38,366.94 | 1,540.37 |
| | | *For Class 52 Rating, Deduct* | *-3,963.63* | |
| | | *For Class 54 Rating, Add* | *5,432.96* | |
| | | *For Class 55 Rating, Add* | *8,091.38* | |
| | | *For Class 56 Rating, Add* | *10,713.77* | |

## 40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1503 | EA | 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 12,042.23 | 1,813.18 |
| | | *For Class 52 Rating, Deduct* | *-1,022.45* | |
| | | *For Class 54 Rating, Add* | *1,427.22* | |
| | | *For Class 55 Rating, Add* | *2,138.72* | |
| | | *For Class 56 Rating, Add* | *2,840.93* | |
| 40 05 19 00-1504 | EA | 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 13,221.44 | 1,815.93 |
| | | *For Class 52 Rating, Deduct* | *-1,151.70* | |
| | | *For Class 54 Rating, Add* | *1,603.52* | |
| | | *For Class 55 Rating, Add* | *2,400.85* | |
| | | *For Class 56 Rating, Add* | *3,187.71* | |
| 40 05 19 00-1505 | EA | 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 14,386.63 | 1,818.69 |
| | | *For Class 52 Rating, Deduct* | *-1,279.41* | |
| | | *For Class 54 Rating, Add* | *1,777.72* | |
| | | *For Class 55 Rating, Add* | *2,659.86* | |
| | | *For Class 56 Rating, Add* | *3,530.36* | |
| 40 05 19 00-1506 | EA | 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,563.50 | 1,821.44 |
| | | *For Class 52 Rating, Deduct* | *-1,408.41* | |
| | | *For Class 54 Rating, Add* | *1,953.68* | |
| | | *For Class 55 Rating, Add* | *2,921.47* | |
| | | *For Class 56 Rating, Add* | *3,876.45* | |
| 40 05 19 00-1507 | EA | 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 16,728.67 | 1,824.20 |
| | | *For Class 52 Rating, Deduct* | *-1,536.12* | |
| | | *For Class 54 Rating, Add* | *2,127.88* | |
| | | *For Class 55 Rating, Add* | *3,180.47* | |
| | | *For Class 56 Rating, Add* | *4,219.10* | |
| 40 05 19 00-1508 | EA | 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,907.89 | 1,826.95 |
| | | *For Class 52 Rating, Deduct* | *-1,665.38* | |
| | | *For Class 54 Rating, Add* | *2,304.18* | |
| | | *For Class 55 Rating, Add* | *3,442.61* | |
| | | *For Class 56 Rating, Add* | *4,565.89* | |
| 40 05 19 00-1509 | EA | 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 19,070.72 | 1,829.71 |
| | | *For Class 52 Rating, Deduct* | *-1,792.83* | |
| | | *For Class 54 Rating, Add* | *2,478.03* | |
| | | *For Class 55 Rating, Add* | *3,701.08* | |
| | | *For Class 56 Rating, Add* | *4,907.84* | |
| 40 05 19 00-1510 | EA | 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,249.93 | 1,832.47 |
| | | *For Class 52 Rating, Deduct* | *-1,922.08* | |
| | | *For Class 54 Rating, Add* | *2,654.34* | |
| | | *For Class 55 Rating, Add* | *3,963.22* | |
| | | *For Class 56 Rating, Add* | *5,254.63* | |
| 40 05 19 00-1511 | EA | 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 21,415.10 | 1,835.23 |
| | | *For Class 52 Rating, Deduct* | *-2,049.79* | |
| | | *For Class 54 Rating, Add* | *2,828.54* | |
| | | *For Class 55 Rating, Add* | *4,222.22* | |
| | | *For Class 56 Rating, Add* | *5,597.27* | |
| 40 05 19 00-1512 | EA | 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,591.98 | 1,837.97 |
| | | *For Class 52 Rating, Deduct* | *-2,178.79* | |
| | | *For Class 54 Rating, Add* | *3,004.49* | |
| | | *For Class 55 Rating, Add* | *4,483.83* | |
| | | *For Class 56 Rating, Add* | *5,943.37* | |
| 40 05 19 00-1513 | EA | 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 23,757.15 | 1,840.73 |
| | | *For Class 52 Rating, Deduct* | *-2,306.50* | |
| | | *For Class 54 Rating, Add* | *3,178.69* | |
| | | *For Class 55 Rating, Add* | *4,742.84* | |
| | | *For Class 56 Rating, Add* | *6,286.01* | |
| 40 05 19 00-1514 | EA | 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,934.03 | 1,843.48 |
| | | *For Class 52 Rating, Deduct* | *-2,435.50* | |
| | | *For Class 54 Rating, Add* | *3,354.65* | |
| | | *For Class 55 Rating, Add* | *5,004.45* | |
| | | *For Class 56 Rating, Add* | *6,632.11* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1515 | EA | 42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 26,099.20 | 1,846.23 |
| | | *For Class 52 Rating, Deduct* | *-2,563.21* | |
| | | *For Class 54 Rating, Add* | *3,528.85* | |
| | | *For Class 55 Rating, Add* | *5,263.45* | |
| | | *For Class 56 Rating, Add* | *6,974.76* | |
| 40 05 19 00-1516 | EA | 42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 27,266.72 | 1,848.99 |
| | | *For Class 52 Rating, Deduct* | *-2,691.17* | |
| | | *For Class 54 Rating, Add* | *3,703.40* | |
| | | *For Class 55 Rating, Add* | *5,522.98* | |
| | | *For Class 56 Rating, Add* | *7,318.09* | |
| 40 05 19 00-1517 | EA | 42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 28,441.25 | 1,851.75 |
| | | *For Class 52 Rating, Deduct* | *-2,819.91* | |
| | | *For Class 54 Rating, Add* | *3,879.00* | |
| | | *For Class 55 Rating, Add* | *5,784.07* | |
| | | *For Class 56 Rating, Add* | *7,663.50* | |
| 40 05 19 00-1518 | EA | 42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 29,606.42 | 1,854.51 |
| | | *For Class 52 Rating, Deduct* | *-2,947.62* | |
| | | *For Class 54 Rating, Add* | *4,053.20* | |
| | | *For Class 55 Rating, Add* | *6,043.07* | |
| | | *For Class 56 Rating, Add* | *8,006.14* | |
| 40 05 19 00-1519 | EA | 42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 30,785.64 | 1,857.26 |
| | | *For Class 52 Rating, Deduct* | *-3,076.88* | |
| | | *For Class 54 Rating, Add* | *4,229.51* | |
| | | *For Class 55 Rating, Add* | *6,305.20* | |
| | | *For Class 56 Rating, Add* | *8,352.93* | |
| 40 05 19 00-1520 | EA | 42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 31,950.81 | 1,860.02 |
| | | *For Class 52 Rating, Deduct* | *-3,204.59* | |
| | | *For Class 54 Rating, Add* | *4,403.71* | |
| | | *For Class 55 Rating, Add* | *6,564.21* | |
| | | *For Class 56 Rating, Add* | *8,695.57* | |
| 40 05 19 00-1521 | EA | 42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 33,127.68 | 1,862.78 |
| | | *For Class 52 Rating, Deduct* | *-3,333.58* | |
| | | *For Class 54 Rating, Add* | *4,579.66* | |
| | | *For Class 55 Rating, Add* | *6,825.82* | |
| | | *For Class 56 Rating, Add* | *9,041.67* | |
| 40 05 19 00-1522 | EA | 42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 34,292.86 | 1,865.52 |
| | | *For Class 52 Rating, Deduct* | *-3,461.29* | |
| | | *For Class 54 Rating, Add* | *4,753.86* | |
| | | *For Class 55 Rating, Add* | *7,084.82* | |
| | | *For Class 56 Rating, Add* | *9,384.31* | |
| 40 05 19 00-1523 | EA | 42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 35,472.08 | 1,868.28 |
| | | *For Class 52 Rating, Deduct* | *-3,590.55* | |
| | | *For Class 54 Rating, Add* | *4,930.17* | |
| | | *For Class 55 Rating, Add* | *7,346.96* | |
| | | *For Class 56 Rating, Add* | *9,731.10* | |
| 40 05 19 00-1524 | EA | 42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 36,637.25 | 1,871.04 |
| | | *For Class 52 Rating, Deduct* | *-3,718.26* | |
| | | *For Class 54 Rating, Add* | *5,104.37* | |
| | | *For Class 55 Rating, Add* | *7,605.96* | |
| | | *For Class 56 Rating, Add* | *10,073.75* | |
| 40 05 19 00-1525 | EA | 42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 37,814.12 | 1,873.80 |
| | | *For Class 52 Rating, Deduct* | *-3,847.25* | |
| | | *For Class 54 Rating, Add* | *5,280.32* | |
| | | *For Class 55 Rating, Add* | *7,867.57* | |
| | | *For Class 56 Rating, Add* | *10,419.84* | |
| 40 05 19 00-1526 | EA | 42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 38,979.31 | 1,876.55 |
| | | *For Class 52 Rating, Deduct* | *-3,974.96* | |
| | | *For Class 54 Rating, Add* | *5,454.53* | |
| | | *For Class 55 Rating, Add* | *8,126.58* | |
| | | *For Class 56 Rating, Add* | *10,762.49* | |
| 40 05 19 00-1527 | EA | 42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 40,158.52 | 1,879.31 |
| | | *For Class 52 Rating, Deduct* | *-4,104.22* | |
| | | *For Class 54 Rating, Add* | *5,630.83* | |
| | | *For Class 55 Rating, Add* | *8,388.71* | |
| | | *For Class 56 Rating, Add* | *11,109.28* | |
| 40 05 19 00-1528 | EA | 42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 41,323.68 | 1,882.07 |
| | | *For Class 52 Rating, Deduct* | *-4,231.93* | |
| | | *For Class 54 Rating, Add* | *5,805.03* | |
| | | *For Class 55 Rating, Add* | *8,647.71* | |
| | | *For Class 56 Rating, Add* | *11,451.92* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1529 | EA | 42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 42,498.21 | 1,884.82 |
| | | *For Class 52 Rating, Deduct* | *-4,360.67* | |
| | | *For Class 54 Rating, Add* | *5,980.63* | |
| | | *For Class 55 Rating, Add* | *8,908.80* | |
| | | *For Class 56 Rating, Add* | *11,797.32* | |
| 40 05 19 00-1530 | EA | 42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 43,665.74 | 1,887.57 |
| | | *For Class 52 Rating, Deduct* | *-4,488.63* | |
| | | *For Class 54 Rating, Add* | *6,155.19* | |
| | | *For Class 55 Rating, Add* | *9,168.33* | |
| | | *For Class 56 Rating, Add* | *12,140.66* | |
| 40 05 19 00-1531 | EA | 42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 44,596.84 | 1,890.33 |
| | | *For Class 52 Rating, Deduct* | *-4,590.60* | |
| | | *For Class 54 Rating, Add* | *6,294.27* | |
| | | *For Class 55 Rating, Add* | *9,375.13* | |
| | | *For Class 56 Rating, Add* | *12,414.26* | |
| 40 05 19 00-1532 | EA | 42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 46,007.78 | 1,893.09 |
| | | *For Class 52 Rating, Deduct* | *-4,745.34* | |
| | | *For Class 54 Rating, Add* | *6,505.34* | |
| | | *For Class 55 Rating, Add* | *9,688.94* | |
| | | *For Class 56 Rating, Add* | *12,829.40* | |
| 40 05 19 00-1533 | EA | 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 47,172.95 | 1,895.84 |
| | | *For Class 52 Rating, Deduct* | *-4,873.05* | |
| | | *For Class 54 Rating, Add* | *6,679.54* | |
| | | *For Class 55 Rating, Add* | *9,947.94* | |
| | | *For Class 56 Rating, Add* | *13,172.05* | |
| 40 05 19 00-1534 | EA | 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 48,349.83 | 1,898.60 |
| | | *For Class 52 Rating, Deduct* | *-5,002.05* | |
| | | *For Class 54 Rating, Add* | *6,855.50* | |
| | | *For Class 55 Rating, Add* | *10,209.56* | |
| | | *For Class 56 Rating, Add* | *13,518.14* | |
| 40 05 19 00-1535 | EA | 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 49,515.00 | 1,901.36 |
| | | *For Class 52 Rating, Deduct* | *-5,129.76* | |
| | | *For Class 54 Rating, Add* | *7,029.69* | |
| | | *For Class 55 Rating, Add* | *10,468.56* | |
| | | *For Class 56 Rating, Add* | *13,860.79* | |
| 40 05 19 00-1536 | EA | 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 50,694.22 | 1,904.12 |
| | | *For Class 52 Rating, Deduct* | *-5,259.01* | |
| | | *For Class 54 Rating, Add* | *7,206.00* | |
| | | *For Class 55 Rating, Add* | *10,730.69* | |
| | | *For Class 56 Rating, Add* | *14,207.58* | |
| 40 05 19 00-1537 | EA | 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 51,857.05 | 1,906.86 |
| | | *For Class 52 Rating, Deduct* | *-5,386.46* | |
| | | *For Class 54 Rating, Add* | *7,379.85* | |
| | | *For Class 55 Rating, Add* | *10,989.17* | |
| | | *For Class 56 Rating, Add* | *14,549.53* | |
| 40 05 19 00-1538 | EA | 42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 53,036.26 | 1,909.61 |
| | | *For Class 52 Rating, Deduct* | *-5,515.72* | |
| | | *For Class 54 Rating, Add* | *7,556.16* | |
| | | *For Class 55 Rating, Add* | *11,251.31* | |
| | | *For Class 56 Rating, Add* | *14,896.32* | |
| 40 05 19 00-1539 | EA | 42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 54,201.44 | 1,912.37 |
| | | *For Class 52 Rating, Deduct* | *-5,643.43* | |
| | | *For Class 54 Rating, Add* | *7,730.36* | |
| | | *For Class 55 Rating, Add* | *11,510.31* | |
| | | *For Class 56 Rating, Add* | *15,238.96* | |
| 40 05 19 00-1540 | EA | 42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 55,378.31 | 1,915.12 |
| | | *For Class 52 Rating, Deduct* | *-5,772.43* | |
| | | *For Class 54 Rating, Add* | *7,906.31* | |
| | | *For Class 55 Rating, Add* | *11,771.92* | |
| | | *For Class 56 Rating, Add* | *15,585.06* | |
| 40 05 19 00-1541 | | 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)* | | |
| 40 05 19 00-1542 | EA | 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 15,540.31 | 2,278.86 |
| | | *For Class 52 Rating, Deduct* | *-1,329.62* | |
| | | *For Class 54 Rating, Add* | *1,854.56* | |
| | | *For Class 55 Rating, Add* | *2,778.38* | |
| | | *For Class 56 Rating, Add* | *3,690.11* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1543 | EA | 48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 17,255.54 | 2,281.62 |
| | | *For Class 52 Rating, Deduct* | *-1,517.84* | |
| | | *For Class 54 Rating, Add* | *2,111.27* | |
| | | *For Class 55 Rating, Add* | *3,160.04* | |
| | | *For Class 56 Rating, Add* | *4,195.02* | |
| 40 05 19 00-1544 | EA | 48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 18,968.45 | 2,284.38 |
| | | *For Class 52 Rating, Deduct* | *-1,705.80* | |
| | | *For Class 54 Rating, Add* | *2,367.62* | |
| | | *For Class 55 Rating, Add* | *3,541.19* | |
| | | *For Class 56 Rating, Add* | *4,699.25* | |
| 40 05 19 00-1545 | EA | 48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 20,695.40 | 2,287.14 |
| | | *For Class 52 Rating, Deduct* | *-1,895.30* | |
| | | *For Class 54 Rating, Add* | *2,626.09* | |
| | | *For Class 55 Rating, Add* | *3,925.47* | |
| | | *For Class 56 Rating, Add* | *5,207.61* | |
| 40 05 19 00-1546 | EA | 48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 22,410.64 | 2,289.88 |
| | | *For Class 52 Rating, Deduct* | *-2,083.52* | |
| | | *For Class 54 Rating, Add* | *2,882.80* | |
| | | *For Class 55 Rating, Add* | *4,307.14* | |
| | | *For Class 56 Rating, Add* | *5,712.53* | |
| 40 05 19 00-1547 | EA | 48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 24,125.87 | 2,292.64 |
| | | *For Class 52 Rating, Deduct* | *-2,271.74* | |
| | | *For Class 54 Rating, Add* | *3,139.51* | |
| | | *For Class 55 Rating, Add* | *4,688.80* | |
| | | *For Class 56 Rating, Add* | *6,217.44* | |
| 40 05 19 00-1548 | EA | 48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 25,850.48 | 2,295.40 |
| | | *For Class 52 Rating, Deduct* | *-2,460.99* | |
| | | *For Class 54 Rating, Add* | *3,397.62* | |
| | | *For Class 55 Rating, Add* | *5,072.56* | |
| | | *For Class 56 Rating, Add* | *6,725.12* | |
| 40 05 19 00-1549 | EA | 48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 27,568.07 | 2,298.15 |
| | | *For Class 52 Rating, Deduct* | *-2,649.46* | |
| | | *For Class 54 Rating, Add* | *3,654.69* | |
| | | *For Class 55 Rating, Add* | *5,454.75* | |
| | | *For Class 56 Rating, Add* | *7,230.73* | |
| 40 05 19 00-1550 | EA | 48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 29,280.96 | 2,300.91 |
| | | *For Class 52 Rating, Deduct* | *-2,837.42* | |
| | | *For Class 54 Rating, Add* | *3,911.04* | |
| | | *For Class 55 Rating, Add* | *5,835.89* | |
| | | *For Class 56 Rating, Add* | *7,734.95* | |
| 40 05 19 00-1551 | EA | 48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 31,007.90 | 2,303.67 |
| | | *For Class 52 Rating, Deduct* | *-3,026.93* | |
| | | *For Class 54 Rating, Add* | *4,169.51* | |
| | | *For Class 55 Rating, Add* | *6,220.17* | |
| | | *For Class 56 Rating, Add* | *8,243.32* | |
| 40 05 19 00-1552 | EA | 48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 32,723.15 | 2,306.43 |
| | | *For Class 52 Rating, Deduct* | *-3,215.14* | |
| | | *For Class 54 Rating, Add* | *4,426.22* | |
| | | *For Class 55 Rating, Add* | *6,601.84* | |
| | | *For Class 56 Rating, Add* | *8,748.23* | |
| 40 05 19 00-1553 | EA | 48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 34,450.10 | 2,309.18 |
| | | *For Class 52 Rating, Deduct* | *-3,404.65* | |
| | | *For Class 54 Rating, Add* | *4,684.69* | |
| | | *For Class 55 Rating, Add* | *6,986.12* | |
| | | *For Class 56 Rating, Add* | *9,256.60* | |
| 40 05 19 00-1554 | EA | 48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 36,163.00 | 2,311.93 |
| | | *For Class 52 Rating, Deduct* | *-3,592.61* | |
| | | *For Class 54 Rating, Add* | *4,941.05* | |
| | | *For Class 55 Rating, Add* | *7,367.27* | |
| | | *For Class 56 Rating, Add* | *9,760.83* | |
| 40 05 19 00-1555 | EA | 48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 37,878.23 | 2,314.69 |
| | | *For Class 52 Rating, Deduct* | *-3,780.82* | |
| | | *For Class 54 Rating, Add* | *5,197.75* | |
| | | *For Class 55 Rating, Add* | *7,748.93* | |
| | | *For Class 56 Rating, Add* | *10,265.74* | |
| 40 05 19 00-1556 | EA | 48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 39,605.19 | 2,317.45 |
| | | *For Class 52 Rating, Deduct* | *-3,970.33* | |
| | | *For Class 54 Rating, Add* | *5,456.22* | |
| | | *For Class 55 Rating, Add* | *8,133.21* | |
| | | *For Class 56 Rating, Add* | *10,774.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1557 | EA | 48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 41,320.43 | 2,320.20 |
| | | *For Class 52 Rating, Deduct* | *-4,158.55* | |
| | | *For Class 54 Rating, Add* | *5,712.93* | |
| | | *For Class 55 Rating, Add* | *8,514.88* | |
| | | *For Class 56 Rating, Add* | *11,279.02* | |
| 40 05 19 00-1558 | EA | 48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 43,033.32 | 2,322.96 |
| | | *For Class 52 Rating, Deduct* | *-4,346.51* | |
| | | *For Class 54 Rating, Add* | *5,969.29* | |
| | | *For Class 55 Rating, Add* | *8,896.02* | |
| | | *For Class 56 Rating, Add* | *11,783.25* | |
| 40 05 19 00-1559 | EA | 48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 44,760.26 | 2,325.72 |
| | | *For Class 52 Rating, Deduct* | *-4,536.01* | |
| | | *For Class 54 Rating, Add* | *6,227.75* | |
| | | *For Class 55 Rating, Add* | *9,280.30* | |
| | | *For Class 56 Rating, Add* | *12,291.61* | |
| 40 05 19 00-1560 | EA | 48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 46,475.51 | 2,328.47 |
| | | *For Class 52 Rating, Deduct* | *-4,724.23* | |
| | | *For Class 54 Rating, Add* | *6,484.47* | |
| | | *For Class 55 Rating, Add* | *9,661.97* | |
| | | *For Class 56 Rating, Add* | *12,796.53* | |
| 40 05 19 00-1561 | EA | 48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 48,188.42 | 2,331.23 |
| | | *For Class 52 Rating, Deduct* | *-4,912.19* | |
| | | *For Class 54 Rating, Add* | *6,740.82* | |
| | | *For Class 55 Rating, Add* | *10,043.12* | |
| | | *For Class 56 Rating, Add* | *13,300.75* | |
| 40 05 19 00-1562 | EA | 48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 49,915.36 | 2,333.99 |
| | | *For Class 52 Rating, Deduct* | *-5,101.69* | |
| | | *For Class 54 Rating, Add* | *6,999.29* | |
| | | *For Class 55 Rating, Add* | *10,427.40* | |
| | | *For Class 56 Rating, Add* | *13,809.12* | |
| 40 05 19 00-1563 | EA | 48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 51,632.93 | 2,336.74 |
| | | *For Class 52 Rating, Deduct* | *-5,290.17* | |
| | | *For Class 54 Rating, Add* | *7,256.35* | |
| | | *For Class 55 Rating, Add* | *10,809.58* | |
| | | *For Class 56 Rating, Add* | *14,314.72* | |
| 40 05 19 00-1564 | EA | 48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 53,345.84 | 2,339.48 |
| | | *For Class 52 Rating, Deduct* | *-5,478.13* | |
| | | *For Class 54 Rating, Add* | *7,512.71* | |
| | | *For Class 55 Rating, Add* | *11,190.73* | |
| | | *For Class 56 Rating, Add* | *14,818.95* | |
| 40 05 19 00-1565 | EA | 48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 55,072.79 | 2,342.24 |
| | | *For Class 52 Rating, Deduct* | *-5,667.63* | |
| | | *For Class 54 Rating, Add* | *7,771.18* | |
| | | *For Class 55 Rating, Add* | *11,575.01* | |
| | | *For Class 56 Rating, Add* | *15,327.32* | |
| 40 05 19 00-1566 | EA | 48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 56,788.03 | 2,345.00 |
| | | *For Class 52 Rating, Deduct* | *-5,855.85* | |
| | | *For Class 54 Rating, Add* | *8,027.89* | |
| | | *For Class 55 Rating, Add* | *11,956.68* | |
| | | *For Class 56 Rating, Add* | *15,832.23* | |
| 40 05 19 00-1567 | EA | 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 58,500.93 | 2,347.75 |
| | | *For Class 52 Rating, Deduct* | *-6,043.81* | |
| | | *For Class 54 Rating, Add* | *8,284.24* | |
| | | *For Class 55 Rating, Add* | *12,337.82* | |
| | | *For Class 56 Rating, Add* | *16,336.46* | |
| 40 05 19 00-1568 | EA | 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 60,227.87 | 2,350.51 |
| | | *For Class 52 Rating, Deduct* | *-6,233.31* | |
| | | *For Class 54 Rating, Add* | *8,542.71* | |
| | | *For Class 55 Rating, Add* | *12,722.10* | |
| | | *For Class 56 Rating, Add* | *16,844.82* | |
| 40 05 19 00-1569 | EA | 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 61,943.12 | 2,353.27 |
| | | *For Class 52 Rating, Deduct* | *-6,421.53* | |
| | | *For Class 54 Rating, Add* | *8,799.42* | |
| | | *For Class 55 Rating, Add* | *13,103.77* | |
| | | *For Class 56 Rating, Add* | *17,349.74* | |
| 40 05 19 00-1570 | EA | 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 63,447.69 | 2,356.03 |
| | | *For Class 52 Rating, Deduct* | *-6,586.58* | |
| | | *For Class 54 Rating, Add* | *9,024.53* | |
| | | *For Class 55 Rating, Add* | *13,438.46* | |
| | | *For Class 56 Rating, Add* | *17,792.51* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1571 | EA | 48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 65,385.30 | 2,358.77 |
| | | *For Class 52 Rating, Deduct* | *-6,799.25* | |
| | | *For Class 54 Rating, Add* | *9,314.60* | |
| | | *For Class 55 Rating, Add* | *13,869.71* | |
| | | *For Class 56 Rating, Add* | *18,363.02* | |
| 40 05 19 00-1572 | EA | 48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 67,098.20 | 2,361.53 |
| | | *For Class 52 Rating, Deduct* | *-6,987.21* | |
| | | *For Class 54 Rating, Add* | *9,570.95* | |
| | | *For Class 55 Rating, Add* | *14,250.86* | |
| | | *For Class 56 Rating, Add* | *18,867.25* | |
| 40 05 19 00-1573 | EA | 48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 68,827.49 | 2,364.29 |
| | | *For Class 52 Rating, Deduct* | *-7,176.98* | |
| | | *For Class 54 Rating, Add* | *9,829.77* | |
| | | *For Class 55 Rating, Add* | *14,635.66* | |
| | | *For Class 56 Rating, Add* | *19,376.30* | |
| 40 05 19 00-1574 | EA | 48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 70,540.39 | 2,367.04 |
| | | *For Class 52 Rating, Deduct* | *-7,364.93* | |
| | | *For Class 54 Rating, Add* | *10,086.13* | |
| | | *For Class 55 Rating, Add* | *15,016.81* | |
| | | *For Class 56 Rating, Add* | *19,880.53* | |
| 40 05 19 00-1575 | EA | 48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 72,253.29 | 2,369.80 |
| | | *For Class 52 Rating, Deduct* | *-7,552.89* | |
| | | *For Class 54 Rating, Add* | *10,342.49* | |
| | | *For Class 55 Rating, Add* | *15,397.95* | |
| | | *For Class 56 Rating, Add* | *20,384.75* | |
| 40 05 19 00-1576 | EA | 48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 73,982.57 | 2,372.56 |
| | | *For Class 52 Rating, Deduct* | *-7,742.66* | |
| | | *For Class 54 Rating, Add* | *10,601.31* | |
| | | *For Class 55 Rating, Add* | *15,782.75* | |
| | | *For Class 56 Rating, Add* | *20,893.81* | |
| 40 05 19 00-1577 | EA | 48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 75,695.48 | 2,375.32 |
| | | *For Class 52 Rating, Deduct* | *-7,930.62* | |
| | | *For Class 54 Rating, Add* | *10,857.67* | |
| | | *For Class 55 Rating, Add* | *16,163.90* | |
| | | *For Class 56 Rating, Add* | *21,398.04* | |
| 40 05 19 00-1578 | EA | 48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 77,410.72 | 2,378.06 |
| | | *For Class 52 Rating, Deduct* | *-8,118.83* | |
| | | *For Class 54 Rating, Add* | *11,114.37* | |
| | | *For Class 55 Rating, Add* | *16,545.57* | |
| | | *For Class 56 Rating, Add* | *21,902.95* | |
| 40 05 19 00-1579 | EA | 48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe | 79,137.66 | 2,380.82 |
| | | *For Class 52 Rating, Deduct* | *-8,308.34* | |
| | | *For Class 54 Rating, Add* | *11,372.84* | |
| | | *For Class 55 Rating, Add* | *16,929.84* | |
| | | *For Class 56 Rating, Add* | *22,411.32* | |

## 40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1581 | EA | 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 406.29 | 132.95 |
| 40 05 19 00-1582 | EA | 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 574.61 | 170.01 |
| 40 05 19 00-1583 | EA | 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 813.65 | 192.57 |
| 40 05 19 00-1584 | EA | 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 1,198.33 | 244.14 |
| 40 05 19 00-1585 | EA | 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 1,489.84 | 270.73 |
| 40 05 19 00-1586 | EA | 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 1,866.18 | 294.09 |
| 40 05 19 00-1587 | EA | 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 2,298.93 | 362.58 |
| 40 05 19 00-1588 | EA | 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 3,024.89 | 435.10 |
| 40 05 19 00-1589 | EA | 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 3,723.66 | 547.90 |
| 40 05 19 00-1590 | EA | 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 5,710.22 | 620.41 |
| 40 05 19 00-1591 | EA | 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 9,650.63 | 821.84 |
| 40 05 19 00-1592 | EA | 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 13,730.29 | 930.61 |
| 40 05 19 00-1593 | EA | 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 23,101.27 | 1,063.55 |
| 40 05 19 00-1594 | EA | 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 30,782.81 | 1,305.28 |

## 40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1596 | EA | 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 383.86 | 132.95 |
| 40 05 19 00-1597 | EA | 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 538.72 | 170.01 |
| 40 05 19 00-1598 | EA | 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 722.43 | 192.57 |
| 40 05 19 00-1599 | EA | 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 1,066.74 | 244.14 |
| 40 05 19 00-1600 | EA | 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 1,322.36 | 270.73 |
| 40 05 19 00-1601 | EA | 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 1,525.24 | 294.09 |
| 40 05 19 00-1602 | EA | 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 1,922.10 | 362.58 |
| 40 05 19 00-1603 | EA | 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 2,517.96 | 435.10 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1604 | EA | 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 3,261.60 | 547.90 |
| 40 05 19 00-1605 | EA | 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 4,316.54 | 620.41 |
| 40 05 19 00-1606 | EA | 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 8,630.79 | 821.84 |
| 40 05 19 00-1607 | EA | 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 12,985.60 | 930.61 |
| 40 05 19 00-1608 | EA | 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 19,899.70 | 1,063.55 |
| 40 05 19 00-1609 | EA | 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 27,161.05 | 1,305.28 |
| **40 05 19 00-1610** | | **Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows** *(40 05 19 00-0001)* | | |
| 40 05 19 00-1611 | EA | 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 382.37 | 132.95 |
| 40 05 19 00-1612 | EA | 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 526.75 | 170.01 |
| 40 05 19 00-1613 | EA | 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 711.97 | 192.57 |
| 40 05 19 00-1614 | EA | 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 1,036.83 | 244.14 |
| 40 05 19 00-1615 | EA | 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 1,388.16 | 270.73 |
| 40 05 19 00-1616 | EA | 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 1,733.09 | 294.09 |
| 40 05 19 00-1617 | EA | 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 1,968.46 | 362.58 |
| 40 05 19 00-1618 | EA | 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 2,574.79 | 435.10 |
| 40 05 19 00-1619 | EA | 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 3,508.33 | 547.90 |
| 40 05 19 00-1620 | EA | 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 4,878.80 | 620.41 |
| 40 05 19 00-1621 | EA | 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 8,730.98 | 821.84 |
| 40 05 19 00-1622 | EA | 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 13,215.89 | 930.61 |
| 40 05 19 00-1623 | EA | 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 20,358.78 | 1,063.55 |
| 40 05 19 00-1624 | EA | 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 27,759.19 | 1,305.28 |
| **40 05 19 00-1625** | | **Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-0001)* | | |
| 40 05 19 00-1626 | EA | 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 419.75 | 132.95 |
| 40 05 19 00-1627 | EA | 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 597.04 | 170.01 |
| 40 05 19 00-1628 | EA | 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 741.87 | 192.57 |
| 40 05 19 00-1629 | EA | 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 1,143.00 | 244.14 |
| 40 05 19 00-1630 | EA | 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 1,584.05 | 270.73 |
| 40 05 19 00-1631 | EA | 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 1,783.94 | 294.09 |
| 40 05 19 00-1632 | EA | 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 2,180.80 | 362.58 |
| 40 05 19 00-1633 | EA | 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 2,574.79 | 435.10 |
| 40 05 19 00-1634 | EA | 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 3,508.33 | 547.90 |
| 40 05 19 00-1635 | EA | 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 5,080.67 | 620.41 |
| 40 05 19 00-1636 | EA | 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 8,831.17 | 821.84 |
| 40 05 19 00-1637 | EA | 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 13,314.58 | 930.61 |
| 40 05 19 00-1638 | EA | 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 20,463.45 | 1,063.55 |
| 40 05 19 00-1639 | EA | 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 27,970.04 | 1,305.28 |
| **40 05 19 00-1640** | | **Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-0001)* | | |
| 40 05 19 00-1641 | EA | 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 545.03 | 151.47 |
| 40 05 19 00-1642 | EA | 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 677.26 | 162.76 |
| 40 05 19 00-1643 | EA | 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 763.66 | 181.29 |
| 40 05 19 00-1644 | EA | 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,030.36 | 188.54 |
| 40 05 19 00-1645 | EA | 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,086.85 | 207.07 |
| 40 05 19 00-1646 | EA | 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,189.18 | 218.35 |
| 40 05 19 00-1647 | EA | 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,107.93 | 202.24 |
| 40 05 19 00-1648 | EA | 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,249.66 | 220.77 |
| 40 05 19 00-1649 | EA | 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,440.21 | 232.05 |
| 40 05 19 00-1650 | EA | 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,533.11 | 257.83 |
| 40 05 19 00-1651 | EA | 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,440.21 | 232.05 |
| 40 05 19 00-1652 | EA | 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,597.87 | 243.33 |
| 40 05 19 00-1653 | EA | 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,780.49 | 269.11 |
| 40 05 19 00-1654 | EA | 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,973.21 | 282.81 |
| 40 05 19 00-1655 | EA | 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,661.08 | 266.29 |
| 40 05 19 00-1656 | EA | 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,793.31 | 277.57 |
| 40 05 19 00-1657 | EA | 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,061.16 | 303.36 |
| 40 05 19 00-1658 | EA | 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,251.78 | 316.65 |
| 40 05 19 00-1659 | EA | 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,413.04 | 328.34 |
| 40 05 19 00-1660 | EA | 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,944.79 | 302.55 |
| 40 05 19 00-1661 | EA | 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,334.23 | 313.83 |
| 40 05 19 00-1662 | EA | 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,401.71 | 339.62 |
| 40 05 19 00-1663 | EA | 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,537.00 | 352.91 |
| 40 05 19 00-1664 | EA | 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,755.08 | 364.59 |
| 40 05 19 00-1665 | EA | 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,004.34 | 398.84 |
| 40 05 19 00-1666 | EA | 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,514.75 | 358.95 |
| 40 05 19 00-1667 | EA | 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,685.87 | 370.23 |
| 40 05 19 00-1668 | EA | 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,339.52 | 396.01 |
| 40 05 19 00-1669 | EA | 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,465.84 | 409.31 |
| 40 05 19 00-1670 | EA | 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,827.47 | 420.99 |
| 40 05 19 00-1671 | EA | 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,737.29 | 455.23 |
| 40 05 19 00-1672 | EA | 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,977.66 | 491.49 |
| 40 05 19 00-1673 | EA | 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,553.63 | 395.21 |
| 40 05 19 00-1674 | EA | 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,726.25 | 406.49 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1675 | EA | 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 4,010.55 | 432.27 |
| 40 05 19 00-1676 | EA | 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 4,216.11 | 445.57 |
| 40 05 19 00-1677 | EA | 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 4,603.18 | 457.25 |
| 40 05 19 00-1678 | EA | 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 4,961.61 | 491.49 |
| 40 05 19 00-1679 | EA | 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 5,077.84 | 527.75 |
| 40 05 19 00-1680 | EA | 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 5,345.64 | 521.92 |
| 40 05 19 00-1681 | EA | 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 6,366.51 | 546.28 |
| 40 05 19 00-1682 | EA | 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 6,780.48 | 557.97 |
| 40 05 19 00-1683 | EA | 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 7,648.83 | 592.21 |
| 40 05 19 00-1684 | EA | 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 8,900.06 | 628.47 |
| 40 05 19 00-1685 | EA | 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 10,296.95 | 684.86 |
| 40 05 19 00-1686 | EA | 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 10,875.26 | 721.12 |
| 40 05 19 00-1687 | EA | 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 8,792.14 | 600.67 |
| 40 05 19 00-1688 | EA | 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 11,411.78 | 612.35 |
| 40 05 19 00-1689 | EA | 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 9,258.00 | 646.59 |
| 40 05 19 00-1690 | EA | 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 12,112.26 | 682.85 |
| 40 05 19 00-1691 | EA | 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 11,574.14 | 739.26 |
| 40 05 19 00-1692 | EA | 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 12,623.50 | 775.51 |
| 40 05 19 00-1693 | EA | 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 13,460.97 | 876.22 |
| 40 05 19 00-1694 | EA | 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 15,609.78 | 678.82 |
| 40 05 19 00-1695 | EA | 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 13,144.97 | 713.07 |
| 40 05 19 00-1696 | EA | 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 17,735.34 | 749.32 |
| 40 05 19 00-1697 | EA | 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 17,442.47 | 805.73 |
| 40 05 19 00-1698 | EA | 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 15,205.01 | 841.99 |
| 40 05 19 00-1699 | EA | 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 17,923.66 | 942.70 |
| 40 05 19 00-1700 | EA | 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 25,357.24 | 997.09 |
| 40 05 19 00-1701 | EA | 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 24,266.40 | 972.91 |
| 40 05 19 00-1702 | EA | 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 26,388.38 | 1,073.63 |
| 40 05 19 00-1703 | EA | 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 27,158.64 | 1,128.01 |
| 40 05 19 00-1704 | EA | 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 34,764.57 | 1,194.49 |
| **40 05 19 00-1705** | | **Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** *(40 05 19 00-0001)* | | |
| 40 05 19 00-1706 | EA | 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 488.54 | 132.95 |
| 40 05 19 00-1707 | EA | 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 758.54 | 170.01 |
| 40 05 19 00-1708 | EA | 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 1,121.69 | 192.57 |
| 40 05 19 00-1709 | EA | 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 1,599.09 | 244.14 |
| 40 05 19 00-1710 | EA | 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 2,268.92 | 270.73 |
| 40 05 19 00-1711 | EA | 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 2,648.26 | 294.09 |
| 40 05 19 00-1712 | EA | 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 3,438.40 | 362.58 |
| 40 05 19 00-1713 | EA | 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 4,261.55 | 435.10 |
| 40 05 19 00-1714 | EA | 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 5,817.17 | 547.90 |
| 40 05 19 00-1715 | EA | 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 8,572.34 | 620.41 |
| 40 05 19 00-1716 | EA | 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 15,128.13 | 821.84 |
| 40 05 19 00-1717 | EA | 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 23,074.80 | 930.61 |
| 40 05 19 00-1718 | EA | 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 35,834.26 | 1,063.55 |
| **40 05 19 00-1719** | | **Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-0001)* | | |
| 40 05 19 00-1720 | EA | 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 516.95 | 132.95 |
| 40 05 19 00-1721 | EA | 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 703.21 | 170.01 |
| 40 05 19 00-1722 | EA | 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 1,160.57 | 192.57 |
| 40 05 19 00-1723 | EA | 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 1,570.67 | 244.14 |
| 40 05 19 00-1724 | EA | 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 2,117.89 | 270.73 |
| 40 05 19 00-1725 | EA | 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 2,504.70 | 294.09 |
| 40 05 19 00-1726 | EA | 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 3,094.46 | 362.58 |
| 40 05 19 00-1727 | EA | 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 3,890.70 | 435.10 |
| 40 05 19 00-1728 | EA | 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 5,138.27 | 547.90 |
| 40 05 19 00-1729 | EA | 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 7,280.35 | 620.41 |
| 40 05 19 00-1730 | EA | 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 11,962.46 | 821.84 |
| 40 05 19 00-1731 | EA | 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 17,139.71 | 930.61 |
| 40 05 19 00-1732 | EA | 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 31,928.38 | 1,063.55 |
| 40 05 19 00-1733 | EA | 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 34,406.07 | 1,305.28 |
| **40 05 19 00-1734** | | **Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-0001)* | | |
| 40 05 19 00-1735 | EA | 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 697.35 | 213.52 |
| 40 05 19 00-1736 | EA | 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 864.53 | 262.66 |
| 40 05 19 00-1737 | EA | 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 1,223.45 | 293.28 |
| 40 05 19 00-1738 | EA | 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 1,761.77 | 381.10 |
| 40 05 19 00-1739 | EA | 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 2,352.58 | 415.76 |
| 40 05 19 00-1740 | EA | 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 3,164.32 | 447.18 |
| 40 05 19 00-1741 | EA | 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 3,577.61 | 564.01 |
| 40 05 19 00-1742 | EA | 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 4,368.12 | 644.58 |
| 40 05 19 00-1743 | EA | 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 5,509.74 | 813.79 |
| 40 05 19 00-1744 | EA | 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 8,153.12 | 898.38 |
| 40 05 19 00-1745 | EA | 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 13,913.19 | 1,240.82 |
| 40 05 19 00-1746 | EA | 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 20,102.02 | 1,422.11 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1747 | EA | 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee | 41,742.12 | 1,643.68 |
| **40 05 19 00-1748** | | **Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees** *(40 05 19 00-0001)* | | |
| 40 05 19 00-1749 | EA | 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 877.26 | 238.50 |
| 40 05 19 00-1750 | EA | 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 1,092.43 | 243.33 |
| 40 05 19 00-1751 | EA | 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 1,087.98 | 273.94 |
| 40 05 19 00-1752 | EA | 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 1,447.03 | 269.11 |
| 40 05 19 00-1753 | EA | 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 1,424.62 | 299.73 |
| 40 05 19 00-1754 | EA | 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 1,501.78 | 319.07 |
| 40 05 19 00-1755 | EA | 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 1,841.62 | 282.81 |
| 40 05 19 00-1756 | EA | 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 1,832.68 | 313.43 |
| 40 05 19 00-1757 | EA | 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 1,935.25 | 332.76 |
| 40 05 19 00-1758 | EA | 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 2,305.90 | 394.81 |
| 40 05 19 00-1759 | EA | 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 2,699.10 | 294.09 |
| 40 05 19 00-1760 | EA | 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 2,636.33 | 324.71 |
| 40 05 19 00-1761 | EA | 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 2,752.36 | 344.04 |
| 40 05 19 00-1762 | EA | 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 2,901.69 | 406.08 |
| 40 05 19 00-1763 | EA | 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,077.60 | 427.44 |
| 40 05 19 00-1764 | EA | 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,277.35 | 328.34 |
| 40 05 19 00-1765 | EA | 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,012.71 | 358.95 |
| 40 05 19 00-1766 | EA | 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 2,961.25 | 378.29 |
| 40 05 19 00-1767 | EA | 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,475.45 | 440.33 |
| 40 05 19 00-1768 | EA | 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,368.74 | 461.69 |
| 40 05 19 00-1769 | EA | 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,760.51 | 481.42 |
| 40 05 19 00-1770 | EA | 18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,012.67 | 364.59 |
| 40 05 19 00-1771 | EA | 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,009.32 | 395.21 |
| 40 05 19 00-1772 | EA | 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,632.28 | 414.55 |
| 40 05 19 00-1773 | EA | 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,638.05 | 476.58 |
| 40 05 19 00-1774 | EA | 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,962.00 | 497.94 |
| 40 05 19 00-1775 | EA | 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,328.36 | 517.68 |
| 40 05 19 00-1776 | EA | 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,625.47 | 600.27 |
| 40 05 19 00-1777 | EA | 20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 8,916.18 | 420.99 |
| 40 05 19 00-1778 | EA | 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,440.59 | 451.61 |
| 40 05 19 00-1779 | EA | 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,531.21 | 470.94 |
| 40 05 19 00-1780 | EA | 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,717.93 | 532.99 |
| 40 05 19 00-1781 | EA | 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,902.80 | 554.34 |
| 40 05 19 00-1782 | EA | 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,964.11 | 574.08 |
| 40 05 19 00-1783 | EA | 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 5,981.98 | 656.67 |
| 40 05 19 00-1784 | EA | 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 6,110.44 | 700.98 |
| 40 05 19 00-1785 | EA | 24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 5,895.17 | 457.25 |
| 40 05 19 00-1786 | EA | 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 5,080.22 | 487.86 |
| 40 05 19 00-1787 | EA | 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 5,311.39 | 507.20 |
| 40 05 19 00-1788 | EA | 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 5,517.55 | 569.25 |
| 40 05 19 00-1789 | EA | 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 6,189.92 | 590.60 |
| 40 05 19 00-1790 | EA | 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 6,342.44 | 610.33 |
| 40 05 19 00-1791 | EA | 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 6,548.32 | 692.93 |
| 40 05 19 00-1792 | EA | 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 8,626.73 | 737.24 |
| 40 05 19 00-1793 | EA | 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 8,920.16 | 787.81 |
| 40 05 19 00-1794 | EA | 30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 10,489.02 | 588.58 |
| 40 05 19 00-1795 | EA | 30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 10,549.71 | 607.92 |
| 40 05 19 00-1796 | EA | 30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 10,842.60 | 669.97 |
| 40 05 19 00-1797 | EA | 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 10,874.95 | 691.32 |
| 40 05 19 00-1798 | EA | 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 10,904.86 | 711.05 |
| 40 05 19 00-1799 | EA | 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 11,128.69 | 793.64 |
| 40 05 19 00-1800 | EA | 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 11,261.63 | 837.95 |
| 40 05 19 00-1801 | EA | 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 11,595.53 | 950.75 |
| 40 05 19 00-1802 | EA | 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 14,868.85 | 999.10 |
| 40 05 19 00-1803 | EA | 36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 14,465.42 | 842.39 |
| 40 05 19 00-1804 | EA | 36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 15,480.04 | 857.70 |
| 40 05 19 00-1805 | EA | 36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 15,579.47 | 901.61 |
| 40 05 19 00-1806 | EA | 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 15,704.41 | 918.93 |
| 40 05 19 00-1807 | EA | 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 15,761.11 | 934.64 |
| 40 05 19 00-1808 | EA | 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 15,915.41 | 993.06 |
| 40 05 19 00-1809 | EA | 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 16,009.35 | 1,033.35 |
| 40 05 19 00-1810 | EA | 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 16,269.13 | 1,117.95 |
| 40 05 19 00-1811 | EA | 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 16,630.80 | 1,160.25 |
| 40 05 19 00-1812 | EA | 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 21,800.98 | 1,331.47 |
| 40 05 19 00-1813 | EA | 42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 25,964.57 | 728.78 |
| 40 05 19 00-1814 | EA | 42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 23,462.64 | 790.82 |
| 40 05 19 00-1815 | EA | 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 23,494.98 | 812.17 |
| 40 05 19 00-1816 | EA | 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 23,559.28 | 831.91 |
| 40 05 19 00-1817 | EA | 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 23,754.69 | 914.49 |
| 40 05 19 00-1818 | EA | 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 23,998.29 | 958.82 |
| 40 05 19 00-1819 | EA | 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 24,169.20 | 1,071.62 |
| 40 05 19 00-1820 | EA | 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 24,523.58 | 1,119.96 |
| 40 05 19 00-1821 | EA | 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 31,079.12 | 1,361.67 |
| 40 05 19 00-1822 | EA | 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 39,959.44 | 1,488.58 |
| 40 05 19 00-1823 | EA | 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 31,783.26 | 943.10 |
| 40 05 19 00-1824 | EA | 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 31,813.16 | 962.85 |
| 40 05 19 00-1825 | EA | 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 32,042.97 | 1,045.43 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1826 | EA | 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 32,110.11 | 1,089.74 |
| 40 05 19 00-1827 | EA | 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 32,420.09 | 1,202.54 |
| 40 05 19 00-1828 | EA | 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 32,740.08 | 1,250.89 |
| 40 05 19 00-1829 | EA | 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee | 33,599.79 | 1,492.61 |
| **40 05 19 00-1830** | | **Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base** *(40 05 19 00-0001)* | | |
| 40 05 19 00-1831 | EA | 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base | 754.17 | 213.52 |
| 40 05 19 00-1832 | EA | 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base | 1,027.53 | 262.66 |
| 40 05 19 00-1833 | EA | 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base | 1,504.58 | 293.28 |
| 40 05 19 00-1834 | EA | 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base | 2,292.62 | 381.10 |
| 40 05 19 00-1835 | EA | 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base | 3,088.30 | 415.76 |
| 40 05 19 00-1836 | EA | 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base | 3,451.43 | 447.18 |
| 40 05 19 00-1837 | EA | 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base | 4,283.42 | 564.01 |
| 40 05 19 00-1838 | EA | 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base | 5,207.01 | 644.58 |
| 40 05 19 00-1839 | EA | 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base | 6,957.25 | 813.79 |
| 40 05 19 00-1840 | EA | 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base | 10,040.26 | 898.38 |
| 40 05 19 00-1841 | EA | 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base | 16,851.57 | 1,240.82 |
| 40 05 19 00-1842 | EA | 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base | 24,048.28 | 1,422.11 |
| **40 05 19 00-1843** | | **Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes** *(40 05 19 00-0001)* | | |
| 40 05 19 00-1844 | EA | 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye | 610.62 | 213.52 |
| 40 05 19 00-1845 | EA | 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye | 857.06 | 262.66 |
| 40 05 19 00-1846 | EA | 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye | 1,245.88 | 293.28 |
| 40 05 19 00-1847 | EA | 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye | 1,637.65 | 381.10 |
| 40 05 19 00-1848 | EA | 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye | 2,345.11 | 415.76 |
| 40 05 19 00-1849 | EA | 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye | 3,050.68 | 447.18 |
| **40 05 19 00-1850** | | **Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses** *(40 05 19 00-0001)* | | |
| 40 05 19 00-1851 | EA | 4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 838.87 | 294.09 |
| 40 05 19 00-1852 | EA | 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 1,112.37 | 318.67 |
| 40 05 19 00-1853 | EA | 6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 1,176.89 | 355.33 |
| 40 05 19 00-1854 | EA | 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 1,377.51 | 323.90 |
| 40 05 19 00-1855 | EA | 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 1,500.53 | 366.61 |
| 40 05 19 00-1856 | EA | 8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 1,552.51 | 394.00 |
| 40 05 19 00-1857 | EA | 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 1,787.43 | 349.69 |
| 40 05 19 00-1858 | EA | 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 1,967.26 | 392.39 |
| 40 05 19 00-1859 | EA | 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 2,152.33 | 419.79 |
| 40 05 19 00-1860 | EA | 10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 2,672.11 | 518.08 |
| 40 05 19 00-1861 | EA | 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 2,321.97 | 362.98 |
| 40 05 19 00-1862 | EA | 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 2,443.50 | 405.68 |
| 40 05 19 00-1863 | EA | 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 2,630.06 | 433.08 |
| 40 05 19 00-1864 | EA | 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 3,178.26 | 531.38 |
| 40 05 19 00-1865 | EA | 12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 2,988.04 | 560.78 |
| 40 05 19 00-1866 | EA | 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 2,918.78 | 417.36 |
| 40 05 19 00-1867 | EA | 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 3,103.84 | 444.76 |
| 40 05 19 00-1868 | EA | 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 3,453.16 | 543.06 |
| 40 05 19 00-1869 | EA | 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 3,756.42 | 572.47 |
| 40 05 19 00-1870 | EA | 14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 3,940.59 | 600.27 |
| 40 05 19 00-1871 | EA | 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 3,486.55 | 451.61 |
| 40 05 19 00-1872 | EA | 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 3,698.54 | 479.01 |
| 40 05 19 00-1873 | EA | 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 4,047.85 | 577.30 |
| 40 05 19 00-1874 | EA | 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 4,379.52 | 606.71 |
| 40 05 19 00-1875 | EA | 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 6,124.86 | 634.51 |
| 40 05 19 00-1876 | EA | 16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 4,962.46 | 765.44 |
| 40 05 19 00-1877 | EA | 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 3,628.23 | 487.86 |
| 40 05 19 00-1878 | EA | 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 3,838.71 | 515.27 |
| 40 05 19 00-1879 | EA | 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 4,131.21 | 613.56 |
| 40 05 19 00-1880 | EA | 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 4,461.37 | 642.97 |
| 40 05 19 00-1881 | EA | 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 5,131.54 | 670.77 |
| 40 05 19 00-1882 | EA | 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 5,588.62 | 801.69 |
| 40 05 19 00-1883 | EA | 18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 5,839.93 | 854.07 |
| 40 05 19 00-1884 | EA | 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 4,735.01 | 544.27 |
| 40 05 19 00-1885 | EA | 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 4,960.45 | 571.66 |
| 40 05 19 00-1886 | EA | 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 5,232.01 | 669.97 |
| 40 05 19 00-1887 | EA | 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 5,584.61 | 699.37 |
| 40 05 19 00-1888 | EA | 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 5,688.04 | 727.16 |
| 40 05 19 00-1889 | EA | 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 6,933.17 | 858.10 |
| 40 05 19 00-1890 | EA | 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 7,196.45 | 910.47 |
| 40 05 19 00-1891 | EA | 20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 7,884.98 | 1,079.67 |
| 40 05 19 00-1892 | EA | 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 6,267.36 | 580.53 |
| 40 05 19 00-1893 | EA | 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 6,430.00 | 607.92 |
| 40 05 19 00-1894 | EA | 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 6,794.27 | 706.22 |
| 40 05 19 00-1895 | EA | 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 7,024.25 | 735.63 |
| 40 05 19 00-1896 | EA | 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 7,159.09 | 763.42 |
| 40 05 19 00-1897 | EA | 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 7,572.80 | 894.36 |
| 40 05 19 00-1898 | EA | 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 9,838.35 | 946.72 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1899 | EA | 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 10,398.19 | 1,053.70 |
| 40 05 19 00-1900 | EA | 24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 11,446.87 | 1,176.36 |
| 40 05 19 00-1901 | EA | 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 11,589.65 | 836.35 |
| 40 05 19 00-1902 | EA | 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 11,664.67 | 864.14 |
| 40 05 19 00-1903 | EA | 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 12,093.33 | 995.08 |
| 40 05 19 00-1904 | EA | 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 12,238.49 | 1,047.44 |
| 40 05 19 00-1905 | EA | 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 12,858.23 | 1,216.65 |
| 40 05 19 00-1906 | EA | 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 16,742.01 | 1,277.07 |
| 40 05 19 00-1907 | EA | 30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 19,001.18 | 1,659.79 |
| 40 05 19 00-1908 | EA | 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 16,383.23 | 1,063.96 |
| 40 05 19 00-1909 | EA | 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 16,419.25 | 1,087.73 |
| 40 05 19 00-1910 | EA | 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 16,781.37 | 1,194.49 |
| 40 05 19 00-1911 | EA | 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 16,918.92 | 1,242.83 |
| 40 05 19 00-1912 | EA | 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 17,430.14 | 1,383.83 |
| 40 05 19 00-1913 | EA | 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 18,040.40 | 1,438.22 |
| 40 05 19 00-1914 | EA | 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 24,414.16 | 1,750.44 |
| 40 05 19 00-1915 | EA | 36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 26,771.32 | 1,913.60 |
| 40 05 19 00-1916 | EA | 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 24,242.59 | 957.20 |
| 40 05 19 00-1917 | EA | 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 24,284.70 | 985.00 |
| 40 05 19 00-1918 | EA | 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 24,693.93 | 1,115.93 |
| 40 05 19 00-1919 | EA | 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 24,807.68 | 1,168.30 |
| 40 05 19 00-1920 | EA | 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 25,381.05 | 1,337.51 |
| 40 05 19 00-1921 | EA | 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 26,000.47 | 1,397.93 |
| 40 05 19 00-1922 | EA | 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 33,472.47 | 1,780.66 |
| 40 05 19 00-1923 | EA | 42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 46,296.76 | 1,980.07 |
| 40 05 19 00-1924 | EA | 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 34,250.08 | 2,223.81 |
| 40 05 19 00-1925 | EA | 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 32,535.60 | 1,115.93 |
| 40 05 19 00-1926 | EA | 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 32,946.32 | 1,246.86 |
| 40 05 19 00-1927 | EA | 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 33,060.07 | 1,299.24 |
| 40 05 19 00-1928 | EA | 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 33,597.55 | 1,468.43 |
| 40 05 19 00-1929 | EA | 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 34,216.97 | 1,528.87 |
| 40 05 19 00-1930 | EA | 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross | 35,746.42 | 1,911.58 |

## 40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-0001)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-1932 | EA | 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 447.83 | 151.47 |
| 40 05 19 00-1933 | EA | 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 574.08 | 162.76 |
| 40 05 19 00-1934 | EA | 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 632.07 | 181.29 |
| 40 05 19 00-1935 | EA | 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 774.65 | 188.54 |
| 40 05 19 00-1936 | EA | 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 780.30 | 207.07 |
| 40 05 19 00-1937 | EA | 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 914.03 | 218.35 |
| 40 05 19 00-1938 | EA | 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 992.79 | 202.24 |
| 40 05 19 00-1939 | EA | 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,025.36 | 220.77 |
| 40 05 19 00-1940 | EA | 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,124.69 | 232.05 |
| 40 05 19 00-1941 | EA | 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,265.44 | 257.83 |
| 40 05 19 00-1942 | EA | 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,560.70 | 220.77 |
| 40 05 19 00-1943 | EA | 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,238.34 | 232.05 |
| 40 05 19 00-1944 | EA | 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,370.57 | 243.33 |
| 40 05 19 00-1945 | EA | 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,506.84 | 269.11 |
| 40 05 19 00-1946 | EA | 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,463.29 | 282.81 |
| 40 05 19 00-1947 | EA | 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,848.33 | 247.76 |
| 40 05 19 00-1948 | EA | 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,492.10 | 266.29 |
| 40 05 19 00-1949 | EA | 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,407.51 | 277.57 |
| 40 05 19 00-1950 | EA | 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,569.19 | 303.36 |
| 40 05 19 00-1951 | EA | 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,949.72 | 316.65 |
| 40 05 19 00-1952 | EA | 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,099.01 | 328.34 |
| 40 05 19 00-1953 | EA | 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,339.56 | 302.55 |
| 40 05 19 00-1954 | EA | 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,848.24 | 313.83 |
| 40 05 19 00-1955 | EA | 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,030.87 | 339.62 |
| 40 05 19 00-1956 | EA | 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,016.61 | 352.91 |
| 40 05 19 00-1957 | EA | 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,324.41 | 364.59 |
| 40 05 19 00-1958 | EA | 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,317.97 | 398.84 |
| 40 05 19 00-1959 | EA | 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,390.64 | 358.95 |
| 40 05 19 00-1960 | EA | 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,316.51 | 370.23 |
| 40 05 19 00-1961 | EA | 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,509.59 | 396.01 |
| 40 05 19 00-1962 | EA | 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,444.51 | 409.31 |
| 40 05 19 00-1963 | EA | 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,825.58 | 420.99 |
| 40 05 19 00-1964 | EA | 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,647.18 | 455.23 |
| 40 05 19 00-1965 | EA | 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 3,270.35 | 491.49 |
| 40 05 19 00-1966 | EA | 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 3,140.07 | 406.49 |
| 40 05 19 00-1967 | EA | 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 3,548.48 | 432.27 |
| 40 05 19 00-1968 | EA | 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 3,818.35 | 445.57 |
| 40 05 19 00-1969 | EA | 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 3,919.80 | 457.25 |
| 40 05 19 00-1970 | EA | 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 3,461.76 | 491.49 |
| 40 05 19 00-1971 | EA | 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 4,185.12 | 527.75 |
| 40 05 19 00-1972 | EA | 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 4,423.00 | 521.92 |
| 40 05 19 00-1973 | EA | 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 6,041.32 | 592.21 |
| 40 05 19 00-1974 | EA | 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 6,295.14 | 628.47 |
| 40 05 19 00-1975 | EA | 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 6,776.87 | 684.86 |
| 40 05 19 00-1976 | EA | 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 7,491.26 | 721.12 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-1977 | EA | 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 8,268.07 | 646.59 |
| 40 05 19 00-1978 | EA | 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 8,684.89 | 682.85 |
| 40 05 19 00-1979 | EA | 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 9,232.41 | 739.26 |
| 40 05 19 00-1980 | EA | 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 10,046.99 | 775.51 |
| 40 05 19 00-1981 | EA | 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 11,584.29 | 876.22 |
| 40 05 19 00-1982 | EA | 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 14,079.00 | 841.99 |
| 40 05 19 00-1983 | EA | 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 15,918.38 | 942.70 |
| 40 05 19 00-1984 | EA | 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 18,006.05 | 997.09 |
| 40 05 19 00-1985 | EA | 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 17,899.15 | 972.91 |
| 40 05 19 00-1986 | EA | 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 20,091.42 | 1,073.63 |
| 40 05 19 00-1987 | EA | 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 22,460.22 | 1,128.01 |
| 40 05 19 00-1988 | EA | 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer | 25,164.36 | 1,194.49 |
| 40 05 19 00-1989 | | Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-0001)* | | |
| 40 05 19 00-1990 | EA | 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 488.21 | 151.47 |
| 40 05 19 00-1991 | EA | 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 620.44 | 162.76 |
| 40 05 19 00-1992 | EA | 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 705.34 | 181.29 |
| 40 05 19 00-1993 | EA | 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 774.65 | 188.54 |
| 40 05 19 00-1994 | EA | 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 829.65 | 207.07 |
| 40 05 19 00-1995 | EA | 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 960.39 | 218.35 |
| 40 05 19 00-1996 | EA | 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 992.79 | 202.24 |
| 40 05 19 00-1997 | EA | 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,079.19 | 220.77 |
| 40 05 19 00-1998 | EA | 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,181.51 | 232.05 |
| 40 05 19 00-1999 | EA | 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,364.13 | 257.83 |
| 40 05 19 00-2000 | EA | 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,238.34 | 232.05 |
| 40 05 19 00-2001 | EA | 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,342.16 | 243.33 |
| 40 05 19 00-2002 | EA | 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,496.37 | 269.11 |
| 40 05 19 00-2003 | EA | 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,716.00 | 282.81 |
| 40 05 19 00-2004 | EA | 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,492.10 | 266.29 |
| 40 05 19 00-2005 | EA | 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,621.34 | 277.57 |
| 40 05 19 00-2006 | EA | 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,803.96 | 303.36 |
| 40 05 19 00-2007 | EA | 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,996.08 | 316.65 |
| 40 05 19 00-2008 | EA | 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,099.01 | 328.34 |
| 40 05 19 00-2009 | EA | 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,848.24 | 313.83 |
| 40 05 19 00-2010 | EA | 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,030.87 | 339.62 |
| 40 05 19 00-2011 | EA | 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,222.97 | 352.91 |
| 40 05 19 00-2012 | EA | 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,324.41 | 364.59 |
| 40 05 19 00-2013 | EA | 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,548.26 | 398.84 |
| 40 05 19 00-2014 | EA | 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,710.65 | 358.95 |
| 40 05 19 00-2015 | EA | 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,470.53 | 370.23 |
| 40 05 19 00-2016 | EA | 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,509.59 | 396.01 |
| 40 05 19 00-2017 | EA | 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,745.08 | 409.31 |
| 40 05 19 00-2018 | EA | 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,825.58 | 420.99 |
| 40 05 19 00-2019 | EA | 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,089.80 | 455.23 |
| 40 05 19 00-2020 | EA | 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,268.86 | 491.49 |
| 40 05 19 00-2021 | EA | 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,448.11 | 406.49 |
| 40 05 19 00-2022 | EA | 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,548.48 | 432.27 |
| 40 05 19 00-2023 | EA | 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,629.93 | 445.57 |
| 40 05 19 00-2024 | EA | 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,708.95 | 457.25 |
| 40 05 19 00-2025 | EA | 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,977.66 | 491.49 |
| 40 05 19 00-2026 | EA | 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 4,185.12 | 527.75 |
| 40 05 19 00-2027 | EA | 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 4,423.00 | 521.92 |
| 40 05 19 00-2028 | EA | 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 7,244.05 | 557.97 |
| 40 05 19 00-2029 | EA | 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 7,064.14 | 592.21 |
| 40 05 19 00-2030 | EA | 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 6,328.04 | 628.47 |
| 40 05 19 00-2031 | EA | 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 6,776.87 | 684.86 |
| 40 05 19 00-2032 | EA | 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 7,491.26 | 721.12 |
| 40 05 19 00-2033 | EA | 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 8,333.87 | 646.59 |
| 40 05 19 00-2034 | EA | 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 8,684.89 | 682.85 |
| 40 05 19 00-2035 | EA | 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 9,199.51 | 739.26 |
| 40 05 19 00-2036 | EA | 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 10,011.10 | 775.51 |
| 40 05 19 00-2037 | EA | 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 11,551.40 | 876.22 |
| 40 05 19 00-2038 | EA | 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 14,079.00 | 841.99 |
| 40 05 19 00-2039 | EA | 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 11,880.91 | 942.70 |
| 40 05 19 00-2040 | EA | 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 18,006.05 | 997.09 |
| 40 05 19 00-2041 | EA | 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 20,091.42 | 1,073.63 |
| 40 05 19 00-2042 | EA | 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 22,460.22 | 1,128.01 |
| 40 05 19 00-2043 | EA | 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 25,164.36 | 1,194.49 |
| 40 05 19 00-2044 | | Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-0001)* | | |
| 40 05 19 00-2045 | EA | 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 173.56 | 52.37 |
| 40 05 19 00-2046 | EA | 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 260.75 | 77.34 |
| 40 05 19 00-2047 | EA | 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 379.92 | 91.85 |
| 40 05 19 00-2048 | EA | 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 524.25 | 107.16 |
| 40 05 19 00-2049 | EA | 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 677.94 | 125.70 |
| 40 05 19 00-2050 | EA | 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 898.51 | 141.00 |
| 40 05 19 00-2051 | EA | 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 1,074.08 | 161.14 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2052 | EA | 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 1,454.37 | 225.60 |
| 40 05 19 00-2053 | EA | 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 1,933.11 | 282.01 |
| 40 05 19 00-2054 | EA | 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 2,758.89 | 342.43 |
| 40 05 19 00-2055 | EA | 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 3,897.07 | 398.84 |
| 40 05 19 00-2056 | EA | 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 6,984.73 | 439.12 |
| 40 05 19 00-2057 | EA | 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 9,860.16 | 483.44 |
| 40 05 19 00-2058 | EA | 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange | 13,039.64 | 543.87 |

## 40 05 19 00-2059 Flanged End (FxF), Ductile Iron Flexible Ball Joint *(40 05 19 00-0001)*

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2060 | EA | 3" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 1,169.70 | 100.46 |
| 40 05 19 00-2061 | EA | 4" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 1,357.78 | 117.87 |
| 40 05 19 00-2062 | EA | 6" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 2,162.52 | 147.34 |
| 40 05 19 00-2063 | EA | 8" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 2,870.90 | 168.41 |
| 40 05 19 00-2064 | EA | 10" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 3,962.31 | 253.48 |
| 40 05 19 00-2065 | EA | 12" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 5,188.49 | 276.54 |
| 40 05 19 00-2066 | EA | 14" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 6,011.39 | 304.19 |
| 40 05 19 00-2067 | EA | 16" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 6,681.89 | 337.94 |
| 40 05 19 00-2068 | EA | 18" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 9,572.85 | 380.23 |
| 40 05 19 00-2069 | EA | 20" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 9,775.05 | 434.50 |
| 40 05 19 00-2070 | EA | 24" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 17,112.78 | 506.98 |
| 40 05 19 00-2071 | EA | 30" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 60,054.60 | 608.37 |
| 40 05 19 00-2072 | EA | 36" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint | 85,279.93 | 760.46 |

## 40 05 19 00-2073 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

## 40 05 19 00-2074 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

## 40 05 19 00-2075 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2076 | EA | 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,112.53 | 230.44 |
| | | *For Class 52 Rating, Deduct* | *-83.97* | |
| | | *For Class 54 Rating, Add* | *118.70* | |
| | | *For Class 55 Rating, Add* | *178.61* | |
| | | *For Class 56 Rating, Add* | *237.77* | |
| 40 05 19 00-2077 | EA | 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,227.28 | 234.47 |
| | | *For Class 52 Rating, Deduct* | *-95.92* | |
| | | *For Class 54 Rating, Add* | *135.07* | |
| | | *For Class 55 Rating, Add* | *202.99* | |
| | | *For Class 56 Rating, Add* | *270.04* | |
| 40 05 19 00-2078 | EA | 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,342.04 | 238.50 |
| | | *For Class 52 Rating, Deduct* | *-107.87* | |
| | | *For Class 54 Rating, Add* | *151.44* | |
| | | *For Class 55 Rating, Add* | *227.36* | |
| | | *For Class 56 Rating, Add* | *302.31* | |
| 40 05 19 00-2079 | EA | 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,456.78 | 242.52 |
| | | *For Class 52 Rating, Deduct* | *-119.83* | |
| | | *For Class 54 Rating, Add* | *167.81* | |
| | | *For Class 55 Rating, Add* | *251.74* | |
| | | *For Class 56 Rating, Add* | *334.58* | |
| 40 05 19 00-2080 | EA | 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,571.53 | 246.55 |
| | | *For Class 52 Rating, Deduct* | *-131.78* | |
| | | *For Class 54 Rating, Add* | *184.18* | |
| | | *For Class 55 Rating, Add* | *276.11* | |
| | | *For Class 56 Rating, Add* | *366.85* | |
| 40 05 19 00-2081 | EA | 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,686.29 | 250.58 |
| | | *For Class 52 Rating, Deduct* | *-143.73* | |
| | | *For Class 54 Rating, Add* | *200.55* | |
| | | *For Class 55 Rating, Add* | *300.49* | |
| | | *For Class 56 Rating, Add* | *399.12* | |
| 40 05 19 00-2082 | EA | 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,801.04 | 254.61 |
| | | *For Class 52 Rating, Deduct* | *-155.68* | |
| | | *For Class 54 Rating, Add* | *216.92* | |
| | | *For Class 55 Rating, Add* | *324.86* | |
| | | *For Class 56 Rating, Add* | *431.39* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2083 | EA | 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,915.78 | 258.63 |
| | | *For Class 52 Rating, Deduct* | *-167.63* | |
| | | *For Class 54 Rating, Add* | *233.29* | |
| | | *For Class 55 Rating, Add* | *349.24* | |
| | | *For Class 56 Rating, Add* | *463.66* | |
| 40 05 19 00-2084 | EA | 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,030.54 | 262.66 |
| | | *For Class 52 Rating, Deduct* | *-179.58* | |
| | | *For Class 54 Rating, Add* | *249.66* | |
| | | *For Class 55 Rating, Add* | *373.61* | |
| | | *For Class 56 Rating, Add* | *495.93* | |
| 40 05 19 00-2085 | EA | 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,145.29 | 266.70 |
| | | *For Class 52 Rating, Deduct* | *-191.53* | |
| | | *For Class 54 Rating, Add* | *266.03* | |
| | | *For Class 55 Rating, Add* | *397.99* | |
| | | *For Class 56 Rating, Add* | *528.20* | |
| 40 05 19 00-2086 | EA | 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,260.04 | 270.73 |
| | | *For Class 52 Rating, Deduct* | *-203.48* | |
| | | *For Class 54 Rating, Add* | *282.40* | |
| | | *For Class 55 Rating, Add* | *422.36* | |
| | | *For Class 56 Rating, Add* | *560.47* | |
| 40 05 19 00-2087 | EA | 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,374.79 | 274.76 |
| | | *For Class 52 Rating, Deduct* | *-215.44* | |
| | | *For Class 54 Rating, Add* | *298.77* | |
| | | *For Class 55 Rating, Add* | *446.74* | |
| | | *For Class 56 Rating, Add* | *592.74* | |
| 40 05 19 00-2088 | EA | 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,489.53 | 278.78 |
| | | *For Class 52 Rating, Deduct* | *-227.39* | |
| | | *For Class 54 Rating, Add* | *315.14* | |
| | | *For Class 55 Rating, Add* | *471.11* | |
| | | *For Class 56 Rating, Add* | *625.01* | |
| 40 05 19 00-2089 | EA | 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,604.29 | 282.81 |
| | | *For Class 52 Rating, Deduct* | *-239.34* | |
| | | *For Class 54 Rating, Add* | *331.51* | |
| | | *For Class 55 Rating, Add* | *495.49* | |
| | | *For Class 56 Rating, Add* | *657.28* | |
| 40 05 19 00-2090 | EA | 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,719.05 | 286.84 |
| | | *For Class 52 Rating, Deduct* | *-251.29* | |
| | | *For Class 54 Rating, Add* | *347.88* | |
| | | *For Class 55 Rating, Add* | *519.86* | |
| | | *For Class 56 Rating, Add* | *689.56* | |
| 40 05 19 00-2091 | EA | 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,833.78 | 290.87 |
| | | *For Class 52 Rating, Deduct* | *-263.24* | |
| | | *For Class 54 Rating, Add* | *364.25* | |
| | | *For Class 55 Rating, Add* | *544.23* | |
| | | *For Class 56 Rating, Add* | *721.82* | |
| 40 05 19 00-2092 | EA | 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,948.54 | 294.89 |
| | | *For Class 52 Rating, Deduct* | *-275.19* | |
| | | *For Class 54 Rating, Add* | *380.62* | |
| | | *For Class 55 Rating, Add* | *568.61* | |
| | | *For Class 56 Rating, Add* | *754.10* | |
| 40 05 19 00-2093 | EA | 4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,063.30 | 298.92 |
| | | *For Class 52 Rating, Deduct* | *-287.14* | |
| | | *For Class 54 Rating, Add* | *396.99* | |
| | | *For Class 55 Rating, Add* | *592.98* | |
| | | *For Class 56 Rating, Add* | *786.37* | |
| 40 05 19 00-2094 | EA | 4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,178.04 | 302.96 |
| | | *For Class 52 Rating, Deduct* | *-299.09* | |
| | | *For Class 54 Rating, Add* | *413.36* | |
| | | *For Class 55 Rating, Add* | *617.36* | |
| | | *For Class 56 Rating, Add* | *818.64* | |
| 40 05 19 00-2095 | EA | 4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,292.79 | 306.99 |
| | | *For Class 52 Rating, Deduct* | *-311.04* | |
| | | *For Class 54 Rating, Add* | *429.73* | |
| | | *For Class 55 Rating, Add* | *641.73* | |
| | | *For Class 56 Rating, Add* | *850.91* | |
| 40 05 19 00-2096 | EA | 4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,407.55 | 311.01 |
| | | *For Class 52 Rating, Deduct* | *-323.00* | |
| | | *For Class 54 Rating, Add* | *446.10* | |
| | | *For Class 55 Rating, Add* | *666.11* | |
| | | *For Class 56 Rating, Add* | *883.18* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2097 | EA | 4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,522.29 | 315.04 |
| | | *For Class 52 Rating, Deduct* | *-334.95* | |
| | | *For Class 54 Rating, Add* | *462.47* | |
| | | *For Class 55 Rating, Add* | *690.48* | |
| | | *For Class 56 Rating, Add* | *915.45* | |
| 40 05 19 00-2098 | EA | 4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,637.05 | 319.07 |
| | | *For Class 52 Rating, Deduct* | *-346.90* | |
| | | *For Class 54 Rating, Add* | *478.84* | |
| | | *For Class 55 Rating, Add* | *714.86* | |
| | | *For Class 56 Rating, Add* | *947.72* | |
| 40 05 19 00-2099 | EA | 4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,751.80 | 323.10 |
| | | *For Class 52 Rating, Deduct* | *-358.85* | |
| | | *For Class 54 Rating, Add* | *495.21* | |
| | | *For Class 55 Rating, Add* | *739.23* | |
| | | *For Class 56 Rating, Add* | *979.99* | |
| 40 05 19 00-2100 | EA | 4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,866.54 | 327.12 |
| | | *For Class 52 Rating, Deduct* | *-370.80* | |
| | | *For Class 54 Rating, Add* | *511.58* | |
| | | *For Class 55 Rating, Add* | *763.61* | |
| | | *For Class 56 Rating, Add* | *1,012.26* | |
| 40 05 19 00-2101 | EA | 4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,981.30 | 331.15 |
| | | *For Class 52 Rating, Deduct* | *-382.75* | |
| | | *For Class 54 Rating, Add* | *527.95* | |
| | | *For Class 55 Rating, Add* | *787.98* | |
| | | *For Class 56 Rating, Add* | *1,044.53* | |
| 40 05 19 00-2102 | EA | 4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,096.06 | 335.18 |
| | | *For Class 52 Rating, Deduct* | *-394.70* | |
| | | *For Class 54 Rating, Add* | *544.32* | |
| | | *For Class 55 Rating, Add* | *812.36* | |
| | | *For Class 56 Rating, Add* | *1,076.80* | |
| 40 05 19 00-2103 | EA | 4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,210.79 | 339.21 |
| | | *For Class 52 Rating, Deduct* | *-406.65* | |
| | | *For Class 54 Rating, Add* | *560.69* | |
| | | *For Class 55 Rating, Add* | *836.73* | |
| | | *For Class 56 Rating, Add* | *1,109.07* | |
| 40 05 19 00-2104 | EA | 4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,325.55 | 343.24 |
| | | *For Class 52 Rating, Deduct* | *-418.60* | |
| | | *For Class 54 Rating, Add* | *577.06* | |
| | | *For Class 55 Rating, Add* | *861.11* | |
| | | *For Class 56 Rating, Add* | *1,141.34* | |
| 40 05 19 00-2105 | EA | 4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,440.30 | 347.27 |
| | | *For Class 52 Rating, Deduct* | *-430.56* | |
| | | *For Class 54 Rating, Add* | *593.43* | |
| | | *For Class 55 Rating, Add* | *885.48* | |
| | | *For Class 56 Rating, Add* | *1,173.61* | |
| 40 05 19 00-2106 | EA | 4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,555.05 | 351.30 |
| | | *For Class 52 Rating, Deduct* | *-442.51* | |
| | | *For Class 54 Rating, Add* | *609.80* | |
| | | *For Class 55 Rating, Add* | *909.85* | |
| | | *For Class 56 Rating, Add* | *1,205.88* | |
| 40 05 19 00-2107 | EA | 4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,669.80 | 355.33 |
| | | *For Class 52 Rating, Deduct* | *-454.46* | |
| | | *For Class 54 Rating, Add* | *626.17* | |
| | | *For Class 55 Rating, Add* | *934.23* | |
| | | *For Class 56 Rating, Add* | *1,238.15* | |
| 40 05 19 00-2108 | EA | 4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,784.55 | 359.35 |
| | | *For Class 52 Rating, Deduct* | *-466.41* | |
| | | *For Class 54 Rating, Add* | *642.55* | |
| | | *For Class 55 Rating, Add* | *958.61* | |
| | | *For Class 56 Rating, Add* | *1,270.42* | |
| 40 05 19 00-2109 | EA | 4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,899.30 | 363.38 |
| | | *For Class 52 Rating, Deduct* | *-478.36* | |
| | | *For Class 54 Rating, Add* | *658.91* | |
| | | *For Class 55 Rating, Add* | *982.98* | |
| | | *For Class 56 Rating, Add* | *1,302.69* | |
| 40 05 19 00-2110 | EA | 4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,014.06 | 367.41 |
| | | *For Class 52 Rating, Deduct* | *-490.31* | |
| | | *For Class 54 Rating, Add* | *675.29* | |
| | | *For Class 55 Rating, Add* | *1,007.35* | |
| | | *For Class 56 Rating, Add* | *1,334.96* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2111 | EA | 4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,128.79 | 371.44 |
| | | *For Class 52 Rating, Deduct* | *-502.26* | |
| | | *For Class 54 Rating, Add* | *691.65* | |
| | | *For Class 55 Rating, Add* | *1,031.73* | |
| | | *For Class 56 Rating, Add* | *1,367.23* | |
| 40 05 19 00-2112 | EA | 4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,243.55 | 375.46 |
| | | *For Class 52 Rating, Deduct* | *-514.21* | |
| | | *For Class 54 Rating, Add* | *708.03* | |
| | | *For Class 55 Rating, Add* | *1,056.10* | |
| | | *For Class 56 Rating, Add* | *1,399.50* | |
| 40 05 19 00-2113 | EA | 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,358.31 | 379.50 |
| | | *For Class 52 Rating, Deduct* | *-526.16* | |
| | | *For Class 54 Rating, Add* | *724.40* | |
| | | *For Class 55 Rating, Add* | *1,080.48* | |
| | | *For Class 56 Rating, Add* | *1,431.78* | |
| 40 05 19 00-2114 | EA | 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,473.05 | 383.53 |
| | | *For Class 52 Rating, Deduct* | *-538.11* | |
| | | *For Class 54 Rating, Add* | *740.77* | |
| | | *For Class 55 Rating, Add* | *1,104.85* | |
| | | *For Class 56 Rating, Add* | *1,464.04* | |

## 40 05 19 00-2115 6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2116 | EA | 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,391.58 | 290.06 |
| | | *For Class 52 Rating, Deduct* | *-104.73* | |
| | | *For Class 54 Rating, Add* | *148.09* | |
| | | *For Class 55 Rating, Add* | *222.86* | |
| | | *For Class 56 Rating, Add* | *296.69* | |
| 40 05 19 00-2117 | EA | 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,523.48 | 294.09 |
| | | *For Class 52 Rating, Deduct* | *-118.57* | |
| | | *For Class 54 Rating, Add* | *167.03* | |
| | | *For Class 55 Rating, Add* | *251.06* | |
| | | *For Class 56 Rating, Add* | *334.02* | |
| 40 05 19 00-2118 | EA | 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,655.39 | 298.12 |
| | | *For Class 52 Rating, Deduct* | *-132.41* | |
| | | *For Class 54 Rating, Add* | *185.97* | |
| | | *For Class 55 Rating, Add* | *279.26* | |
| | | *For Class 56 Rating, Add* | *371.35* | |
| 40 05 19 00-2119 | EA | 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,787.29 | 302.15 |
| | | *For Class 52 Rating, Deduct* | *-146.24* | |
| | | *For Class 54 Rating, Add* | *204.92* | |
| | | *For Class 55 Rating, Add* | *307.46* | |
| | | *For Class 56 Rating, Add* | *408.68* | |
| 40 05 19 00-2120 | EA | 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,919.19 | 306.17 |
| | | *For Class 52 Rating, Deduct* | *-160.08* | |
| | | *For Class 54 Rating, Add* | *223.86* | |
| | | *For Class 55 Rating, Add* | *335.66* | |
| | | *For Class 56 Rating, Add* | *446.01* | |
| 40 05 19 00-2121 | EA | 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,051.10 | 310.20 |
| | | *For Class 52 Rating, Deduct* | *-173.92* | |
| | | *For Class 54 Rating, Add* | *242.80* | |
| | | *For Class 55 Rating, Add* | *363.86* | |
| | | *For Class 56 Rating, Add* | *483.34* | |
| 40 05 19 00-2122 | EA | 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,183.01 | 314.23 |
| | | *For Class 52 Rating, Deduct* | *-187.76* | |
| | | *For Class 54 Rating, Add* | *261.75* | |
| | | *For Class 55 Rating, Add* | *392.06* | |
| | | *For Class 56 Rating, Add* | *520.67* | |
| 40 05 19 00-2123 | EA | 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,314.91 | 318.27 |
| | | *For Class 52 Rating, Deduct* | *-201.60* | |
| | | *For Class 54 Rating, Add* | *280.69* | |
| | | *For Class 55 Rating, Add* | *420.27* | |
| | | *For Class 56 Rating, Add* | *558.01* | |
| 40 05 19 00-2124 | EA | 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,446.82 | 322.29 |
| | | *For Class 52 Rating, Deduct* | *-215.44* | |
| | | *For Class 54 Rating, Add* | *299.63* | |
| | | *For Class 55 Rating, Add* | *448.47* | |
| | | *For Class 56 Rating, Add* | *595.34* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2125 | EA | 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,578.72 | 326.32 |
| | | *For Class 52 Rating, Deduct* | *-229.27* | |
| | | *For Class 54 Rating, Add* | *318.58* | |
| | | *For Class 55 Rating, Add* | *476.66* | |
| | | *For Class 56 Rating, Add* | *632.67* | |
| 40 05 19 00-2126 | EA | 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,710.63 | 330.35 |
| | | *For Class 52 Rating, Deduct* | *-243.11* | |
| | | *For Class 54 Rating, Add* | *337.52* | |
| | | *For Class 55 Rating, Add* | *504.87* | |
| | | *For Class 56 Rating, Add* | *670.00* | |
| 40 05 19 00-2127 | EA | 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,842.53 | 334.38 |
| | | *For Class 52 Rating, Deduct* | *-256.95* | |
| | | *For Class 54 Rating, Add* | *356.46* | |
| | | *For Class 55 Rating, Add* | *533.06* | |
| | | *For Class 56 Rating, Add* | *707.33* | |
| 40 05 19 00-2128 | EA | 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,974.43 | 338.40 |
| | | *For Class 52 Rating, Deduct* | *-270.79* | |
| | | *For Class 54 Rating, Add* | *375.41* | |
| | | *For Class 55 Rating, Add* | *561.26* | |
| | | *For Class 56 Rating, Add* | *744.66* | |
| 40 05 19 00-2129 | EA | 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,106.34 | 342.43 |
| | | *For Class 52 Rating, Deduct* | *-284.63* | |
| | | *For Class 54 Rating, Add* | *394.35* | |
| | | *For Class 55 Rating, Add* | *589.46* | |
| | | *For Class 56 Rating, Add* | *781.99* | |
| 40 05 19 00-2130 | EA | 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,238.25 | 346.46 |
| | | *For Class 52 Rating, Deduct* | *-298.46* | |
| | | *For Class 54 Rating, Add* | *413.29* | |
| | | *For Class 55 Rating, Add* | *617.66* | |
| | | *For Class 56 Rating, Add* | *819.32* | |
| 40 05 19 00-2131 | EA | 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,370.15 | 350.49 |
| | | *For Class 52 Rating, Deduct* | *-312.30* | |
| | | *For Class 54 Rating, Add* | *432.24* | |
| | | *For Class 55 Rating, Add* | *645.87* | |
| | | *For Class 56 Rating, Add* | *856.65* | |
| 40 05 19 00-2132 | EA | 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,502.06 | 354.51 |
| | | *For Class 52 Rating, Deduct* | *-326.14* | |
| | | *For Class 54 Rating, Add* | *451.18* | |
| | | *For Class 55 Rating, Add* | *674.07* | |
| | | *For Class 56 Rating, Add* | *893.99* | |
| 40 05 19 00-2133 | EA | 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,633.97 | 358.55 |
| | | *For Class 52 Rating, Deduct* | *-339.98* | |
| | | *For Class 54 Rating, Add* | *470.13* | |
| | | *For Class 55 Rating, Add* | *702.27* | |
| | | *For Class 56 Rating, Add* | *931.32* | |
| 40 05 19 00-2134 | EA | 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,765.87 | 362.58 |
| | | *For Class 52 Rating, Deduct* | *-353.82* | |
| | | *For Class 54 Rating, Add* | *489.07* | |
| | | *For Class 55 Rating, Add* | *730.47* | |
| | | *For Class 56 Rating, Add* | *968.65* | |
| 40 05 19 00-2135 | EA | 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,897.77 | 366.61 |
| | | *For Class 52 Rating, Deduct* | *-367.65* | |
| | | *For Class 54 Rating, Add* | *508.01* | |
| | | *For Class 55 Rating, Add* | *758.67* | |
| | | *For Class 56 Rating, Add* | *1,005.98* | |
| 40 05 19 00-2136 | EA | 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,029.68 | 370.63 |
| | | *For Class 52 Rating, Deduct* | *-381.49* | |
| | | *For Class 54 Rating, Add* | *526.96* | |
| | | *For Class 55 Rating, Add* | *786.87* | |
| | | *For Class 56 Rating, Add* | *1,043.31* | |
| 40 05 19 00-2137 | EA | 6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,161.58 | 374.66 |
| | | *For Class 52 Rating, Deduct* | *-395.33* | |
| | | *For Class 54 Rating, Add* | *545.90* | |
| | | *For Class 55 Rating, Add* | *815.07* | |
| | | *For Class 56 Rating, Add* | *1,080.64* | |
| 40 05 19 00-2138 | EA | 6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,293.50 | 378.69 |
| | | *For Class 52 Rating, Deduct* | *-409.17* | |
| | | *For Class 54 Rating, Add* | *564.84* | |
| | | *For Class 55 Rating, Add* | *843.27* | |
| | | *For Class 56 Rating, Add* | *1,117.97* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2139 | EA | 6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,425.40 | 382.72 |
| | | *For Class 52 Rating, Deduct* | *-423.01* | |
| | | *For Class 54 Rating, Add* | *583.79* | |
| | | *For Class 55 Rating, Add* | *871.47* | |
| | | *For Class 56 Rating, Add* | *1,155.30* | |
| 40 05 19 00-2140 | EA | 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,557.30 | 386.75 |
| | | *For Class 52 Rating, Deduct* | *-436.85* | |
| | | *For Class 54 Rating, Add* | *602.73* | |
| | | *For Class 55 Rating, Add* | *899.67* | |
| | | *For Class 56 Rating, Add* | *1,192.63* | |
| 40 05 19 00-2141 | EA | 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,689.21 | 390.77 |
| | | *For Class 52 Rating, Deduct* | *-450.68* | |
| | | *For Class 54 Rating, Add* | *621.67* | |
| | | *For Class 55 Rating, Add* | *927.87* | |
| | | *For Class 56 Rating, Add* | *1,229.97* | |
| 40 05 19 00-2142 | EA | 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,821.12 | 394.81 |
| | | *For Class 52 Rating, Deduct* | *-464.52* | |
| | | *For Class 54 Rating, Add* | *640.62* | |
| | | *For Class 55 Rating, Add* | *956.07* | |
| | | *For Class 56 Rating, Add* | *1,267.30* | |
| 40 05 19 00-2143 | EA | 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,953.01 | 398.84 |
| | | *For Class 52 Rating, Deduct* | *-478.36* | |
| | | *For Class 54 Rating, Add* | *659.56* | |
| | | *For Class 55 Rating, Add* | *984.27* | |
| | | *For Class 56 Rating, Add* | *1,304.63* | |
| 40 05 19 00-2144 | EA | 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,084.92 | 402.87 |
| | | *For Class 52 Rating, Deduct* | *-492.20* | |
| | | *For Class 54 Rating, Add* | *678.50* | |
| | | *For Class 55 Rating, Add* | *1,012.47* | |
| | | *For Class 56 Rating, Add* | *1,341.96* | |
| 40 05 19 00-2145 | EA | 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,216.82 | 406.89 |
| | | *For Class 52 Rating, Deduct* | *-506.04* | |
| | | *For Class 54 Rating, Add* | *697.45* | |
| | | *For Class 55 Rating, Add* | *1,040.67* | |
| | | *For Class 56 Rating, Add* | *1,379.29* | |
| 40 05 19 00-2146 | EA | 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,348.74 | 410.92 |
| | | *For Class 52 Rating, Deduct* | *-519.87* | |
| | | *For Class 54 Rating, Add* | *716.39* | |
| | | *For Class 55 Rating, Add* | *1,068.87* | |
| | | *For Class 56 Rating, Add* | *1,416.62* | |
| 40 05 19 00-2147 | EA | 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,480.64 | 414.95 |
| | | *For Class 52 Rating, Deduct* | *-533.71* | |
| | | *For Class 54 Rating, Add* | *735.33* | |
| | | *For Class 55 Rating, Add* | *1,097.07* | |
| | | *For Class 56 Rating, Add* | *1,453.95* | |
| 40 05 19 00-2148 | EA | 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,612.54 | 418.98 |
| | | *For Class 52 Rating, Deduct* | *-547.55* | |
| | | *For Class 54 Rating, Add* | *754.28* | |
| | | *For Class 55 Rating, Add* | *1,125.27* | |
| | | *For Class 56 Rating, Add* | *1,491.28* | |
| 40 05 19 00-2149 | EA | 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,744.45 | 423.00 |
| | | *For Class 52 Rating, Deduct* | *-561.39* | |
| | | *For Class 54 Rating, Add* | *773.22* | |
| | | *For Class 55 Rating, Add* | *1,153.47* | |
| | | *For Class 56 Rating, Add* | *1,528.61* | |
| 40 05 19 00-2150 | EA | 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,876.36 | 427.03 |
| | | *For Class 52 Rating, Deduct* | *-575.23* | |
| | | *For Class 54 Rating, Add* | *792.16* | |
| | | *For Class 55 Rating, Add* | *1,181.67* | |
| | | *For Class 56 Rating, Add* | *1,565.95* | |
| 40 05 19 00-2151 | EA | 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,008.25 | 431.07 |
| | | *For Class 52 Rating, Deduct* | *-589.06* | |
| | | *For Class 54 Rating, Add* | *811.11* | |
| | | *For Class 55 Rating, Add* | *1,209.87* | |
| | | *For Class 56 Rating, Add* | *1,603.28* | |
| 40 05 19 00-2152 | EA | 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,140.16 | 435.10 |
| | | *For Class 52 Rating, Deduct* | *-602.90* | |
| | | *For Class 54 Rating, Add* | *830.05* | |
| | | *For Class 55 Rating, Add* | *1,238.07* | |
| | | *For Class 56 Rating, Add* | *1,640.61* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2153 | EA | 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,272.07 | 439.12 |
| | | *For Class 52 Rating, Deduct* | *-616.74* | |
| | | *For Class 54 Rating, Add* | *848.99* | |
| | | *For Class 55 Rating, Add* | *1,266.27* | |
| | | *For Class 56 Rating, Add* | *1,677.94* | |
| 40 05 19 00-2154 | EA | 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,403.98 | 443.15 |
| | | *For Class 52 Rating, Deduct* | *-630.58* | |
| | | *For Class 54 Rating, Add* | *867.94* | |
| | | *For Class 55 Rating, Add* | *1,294.47* | |
| | | *For Class 56 Rating, Add* | *1,715.27* | |

## 40 05 19 00-2155 8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2156 | EA | 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,936.81 | 370.63 |
| | | *For Class 52 Rating, Deduct* | *-151.28* | |
| | | *For Class 54 Rating, Add* | *213.02* | |
| | | *For Class 55 Rating, Add* | *320.16* | |
| | | *For Class 56 Rating, Add* | *425.91* | |
| 40 05 19 00-2157 | EA | 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,105.88 | 374.66 |
| | | *For Class 52 Rating, Deduct* | *-169.20* | |
| | | *For Class 54 Rating, Add* | *237.54* | |
| | | *For Class 55 Rating, Add* | *356.64* | |
| | | *For Class 56 Rating, Add* | *474.21* | |
| 40 05 19 00-2158 | EA | 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,274.96 | 378.69 |
| | | *For Class 52 Rating, Deduct* | *-187.13* | |
| | | *For Class 54 Rating, Add* | *262.06* | |
| | | *For Class 55 Rating, Add* | *393.13* | |
| | | *For Class 56 Rating, Add* | *522.50* | |
| 40 05 19 00-2159 | EA | 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,444.03 | 382.72 |
| | | *For Class 52 Rating, Deduct* | *-205.06* | |
| | | *For Class 54 Rating, Add* | *286.58* | |
| | | *For Class 55 Rating, Add* | *429.62* | |
| | | *For Class 56 Rating, Add* | *570.80* | |
| 40 05 19 00-2160 | EA | 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,613.10 | 386.75 |
| | | *For Class 52 Rating, Deduct* | *-222.98* | |
| | | *For Class 54 Rating, Add* | *311.10* | |
| | | *For Class 55 Rating, Add* | *466.11* | |
| | | *For Class 56 Rating, Add* | *619.10* | |
| 40 05 19 00-2161 | EA | 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,782.18 | 390.77 |
| | | *For Class 52 Rating, Deduct* | *-240.91* | |
| | | *For Class 54 Rating, Add* | *335.62* | |
| | | *For Class 55 Rating, Add* | *502.60* | |
| | | *For Class 56 Rating, Add* | *667.39* | |
| 40 05 19 00-2162 | EA | 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,951.26 | 394.81 |
| | | *For Class 52 Rating, Deduct* | *-258.84* | |
| | | *For Class 54 Rating, Add* | *360.14* | |
| | | *For Class 55 Rating, Add* | *539.09* | |
| | | *For Class 56 Rating, Add* | *715.69* | |
| 40 05 19 00-2163 | EA | 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,120.32 | 398.84 |
| | | *For Class 52 Rating, Deduct* | *-276.76* | |
| | | *For Class 54 Rating, Add* | *384.66* | |
| | | *For Class 55 Rating, Add* | *575.58* | |
| | | *For Class 56 Rating, Add* | *763.98* | |
| 40 05 19 00-2164 | EA | 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,289.40 | 402.87 |
| | | *For Class 52 Rating, Deduct* | *-294.69* | |
| | | *For Class 54 Rating, Add* | *409.17* | |
| | | *For Class 55 Rating, Add* | *612.07* | |
| | | *For Class 56 Rating, Add* | *812.28* | |
| 40 05 19 00-2165 | EA | 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,458.47 | 406.89 |
| | | *For Class 52 Rating, Deduct* | *-312.62* | |
| | | *For Class 54 Rating, Add* | *433.69* | |
| | | *For Class 55 Rating, Add* | *648.56* | |
| | | *For Class 56 Rating, Add* | *860.58* | |
| 40 05 19 00-2166 | EA | 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,627.55 | 410.92 |
| | | *For Class 52 Rating, Deduct* | *-330.54* | |
| | | *For Class 54 Rating, Add* | *458.21* | |
| | | *For Class 55 Rating, Add* | *685.04* | |
| | | *For Class 56 Rating, Add* | *908.87* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2167 | EA | 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,796.61 | 414.95 |
| | | *For Class 52 Rating, Deduct* | *-348.47* | |
| | | *For Class 54 Rating, Add* | *482.73* | |
| | | *For Class 55 Rating, Add* | *721.53* | |
| | | *For Class 56 Rating, Add* | *957.16* | |
| 40 05 19 00-2168 | EA | 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,965.68 | 418.98 |
| | | *For Class 52 Rating, Deduct* | *-366.40* | |
| | | *For Class 54 Rating, Add* | *507.25* | |
| | | *For Class 55 Rating, Add* | *758.02* | |
| | | *For Class 56 Rating, Add* | *1,005.46* | |
| 40 05 19 00-2169 | EA | 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,134.76 | 423.00 |
| | | *For Class 52 Rating, Deduct* | *-384.32* | |
| | | *For Class 54 Rating, Add* | *531.77* | |
| | | *For Class 55 Rating, Add* | *794.51* | |
| | | *For Class 56 Rating, Add* | *1,053.76* | |
| 40 05 19 00-2170 | EA | 8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,303.84 | 427.03 |
| | | *For Class 52 Rating, Deduct* | *-402.25* | |
| | | *For Class 54 Rating, Add* | *556.29* | |
| | | *For Class 55 Rating, Add* | *831.00* | |
| | | *For Class 56 Rating, Add* | *1,102.05* | |
| 40 05 19 00-2171 | EA | 8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,472.90 | 431.07 |
| | | *For Class 52 Rating, Deduct* | *-420.18* | |
| | | *For Class 54 Rating, Add* | *580.80* | |
| | | *For Class 55 Rating, Add* | *867.49* | |
| | | *For Class 56 Rating, Add* | *1,150.35* | |
| 40 05 19 00-2172 | EA | 8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,641.98 | 435.10 |
| | | *For Class 52 Rating, Deduct* | *-438.10* | |
| | | *For Class 54 Rating, Add* | *605.32* | |
| | | *For Class 55 Rating, Add* | *903.97* | |
| | | *For Class 56 Rating, Add* | *1,198.64* | |
| 40 05 19 00-2173 | EA | 8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,811.06 | 439.12 |
| | | *For Class 52 Rating, Deduct* | *-456.03* | |
| | | *For Class 54 Rating, Add* | *629.84* | |
| | | *For Class 55 Rating, Add* | *940.46* | |
| | | *For Class 56 Rating, Add* | *1,246.94* | |
| 40 05 19 00-2174 | EA | 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,980.13 | 443.15 |
| | | *For Class 52 Rating, Deduct* | *-473.96* | |
| | | *For Class 54 Rating, Add* | *654.36* | |
| | | *For Class 55 Rating, Add* | *976.95* | |
| | | *For Class 56 Rating, Add* | *1,295.24* | |
| 40 05 19 00-2175 | EA | 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,149.20 | 447.18 |
| | | *For Class 52 Rating, Deduct* | *-491.88* | |
| | | *For Class 54 Rating, Add* | *678.88* | |
| | | *For Class 55 Rating, Add* | *1,013.44* | |
| | | *For Class 56 Rating, Add* | *1,343.53* | |
| 40 05 19 00-2176 | EA | 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,318.28 | 451.21 |
| | | *For Class 52 Rating, Deduct* | *-509.81* | |
| | | *For Class 54 Rating, Add* | *703.40* | |
| | | *For Class 55 Rating, Add* | *1,049.93* | |
| | | *For Class 56 Rating, Add* | *1,391.83* | |
| 40 05 19 00-2177 | EA | 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,487.35 | 455.23 |
| | | *For Class 52 Rating, Deduct* | *-527.74* | |
| | | *For Class 54 Rating, Add* | *727.92* | |
| | | *For Class 55 Rating, Add* | *1,086.42* | |
| | | *For Class 56 Rating, Add* | *1,440.12* | |
| 40 05 19 00-2178 | EA | 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,656.43 | 459.26 |
| | | *For Class 52 Rating, Deduct* | *-545.66* | |
| | | *For Class 54 Rating, Add* | *752.44* | |
| | | *For Class 55 Rating, Add* | *1,122.91* | |
| | | *For Class 56 Rating, Add* | *1,488.42* | |
| 40 05 19 00-2179 | EA | 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,825.50 | 463.29 |
| | | *For Class 52 Rating, Deduct* | *-563.59* | |
| | | *For Class 54 Rating, Add* | *776.95* | |
| | | *For Class 55 Rating, Add* | *1,159.40* | |
| | | *For Class 56 Rating, Add* | *1,536.71* | |
| 40 05 19 00-2180 | EA | 8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,994.57 | 467.32 |
| | | *For Class 52 Rating, Deduct* | *-581.52* | |
| | | *For Class 54 Rating, Add* | *801.47* | |
| | | *For Class 55 Rating, Add* | *1,195.89* | |
| | | *For Class 56 Rating, Add* | *1,585.01* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2181 | EA | 8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,163.65 | 471.35 |
| | | *For Class 52 Rating, Deduct* | *-599.44* | |
| | | *For Class 54 Rating, Add* | *825.99* | |
| | | *For Class 55 Rating, Add* | *1,232.37* | |
| | | *For Class 56 Rating, Add* | *1,633.31* | |
| 40 05 19 00-2182 | EA | 8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,332.72 | 475.38 |
| | | *For Class 52 Rating, Deduct* | *-617.37* | |
| | | *For Class 54 Rating, Add* | *850.51* | |
| | | *For Class 55 Rating, Add* | *1,268.86* | |
| | | *For Class 56 Rating, Add* | *1,681.60* | |
| 40 05 19 00-2183 | EA | 8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,501.79 | 479.41 |
| | | *For Class 52 Rating, Deduct* | *-635.30* | |
| | | *For Class 54 Rating, Add* | *875.03* | |
| | | *For Class 55 Rating, Add* | *1,305.35* | |
| | | *For Class 56 Rating, Add* | *1,729.90* | |
| 40 05 19 00-2184 | EA | 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,670.87 | 483.44 |
| | | *For Class 52 Rating, Deduct* | *-653.22* | |
| | | *For Class 54 Rating, Add* | *899.55* | |
| | | *For Class 55 Rating, Add* | *1,341.84* | |
| | | *For Class 56 Rating, Add* | *1,778.19* | |
| 40 05 19 00-2185 | EA | 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,839.94 | 487.46 |
| | | *For Class 52 Rating, Deduct* | *-671.15* | |
| | | *For Class 54 Rating, Add* | *924.07* | |
| | | *For Class 55 Rating, Add* | *1,378.33* | |
| | | *For Class 56 Rating, Add* | *1,826.49* | |
| 40 05 19 00-2186 | EA | 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,009.02 | 491.49 |
| | | *For Class 52 Rating, Deduct* | *-689.08* | |
| | | *For Class 54 Rating, Add* | *948.59* | |
| | | *For Class 55 Rating, Add* | *1,414.82* | |
| | | *For Class 56 Rating, Add* | *1,874.79* | |
| 40 05 19 00-2187 | EA | 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,178.09 | 495.52 |
| | | *For Class 52 Rating, Deduct* | *-707.00* | |
| | | *For Class 54 Rating, Add* | *973.10* | |
| | | *For Class 55 Rating, Add* | *1,451.31* | |
| | | *For Class 56 Rating, Add* | *1,923.08* | |
| 40 05 19 00-2188 | EA | 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,347.16 | 499.55 |
| | | *For Class 52 Rating, Deduct* | *-724.93* | |
| | | *For Class 54 Rating, Add* | *997.62* | |
| | | *For Class 55 Rating, Add* | *1,487.80* | |
| | | *For Class 56 Rating, Add* | *1,971.38* | |
| 40 05 19 00-2189 | EA | 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,516.24 | 503.57 |
| | | *For Class 52 Rating, Deduct* | *-742.86* | |
| | | *For Class 54 Rating, Add* | *1,022.14* | |
| | | *For Class 55 Rating, Add* | *1,524.28* | |
| | | *For Class 56 Rating, Add* | *2,019.67* | |
| 40 05 19 00-2190 | EA | 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,685.32 | 507.61 |
| | | *For Class 52 Rating, Deduct* | *-760.78* | |
| | | *For Class 54 Rating, Add* | *1,046.66* | |
| | | *For Class 55 Rating, Add* | *1,560.77* | |
| | | *For Class 56 Rating, Add* | *2,067.97* | |
| 40 05 19 00-2191 | EA | 8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,854.38 | 511.64 |
| | | *For Class 52 Rating, Deduct* | *-778.71* | |
| | | *For Class 54 Rating, Add* | *1,071.18* | |
| | | *For Class 55 Rating, Add* | *1,597.26* | |
| | | *For Class 56 Rating, Add* | *2,116.27* | |
| 40 05 19 00-2192 | EA | 8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,023.46 | 515.67 |
| | | *For Class 52 Rating, Deduct* | *-796.64* | |
| | | *For Class 54 Rating, Add* | *1,095.70* | |
| | | *For Class 55 Rating, Add* | *1,633.75* | |
| | | *For Class 56 Rating, Add* | *2,164.56* | |
| 40 05 19 00-2193 | EA | 8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,192.54 | 519.69 |
| | | *For Class 52 Rating, Deduct* | *-814.56* | |
| | | *For Class 54 Rating, Add* | *1,120.22* | |
| | | *For Class 55 Rating, Add* | *1,670.24* | |
| | | *For Class 56 Rating, Add* | *2,212.86* | |
| 40 05 19 00-2194 | EA | 8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,361.61 | 523.72 |
| | | *For Class 52 Rating, Deduct* | *-832.49* | |
| | | *For Class 54 Rating, Add* | *1,144.74* | |
| | | *For Class 55 Rating, Add* | *1,706.73* | |
| | | *For Class 56 Rating, Add* | *2,261.15* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2195 | | 10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)* | | |
| 40 05 19 00-2196 | EA | 10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,444.87 | 451.21 |
| | | *For Class 52 Rating, Deduct* | *-193.73* | |
| | | *For Class 54 Rating, Add* | *272.39* | |
| | | *For Class 55 Rating, Add* | *409.16* | |
| | | *For Class 56 Rating, Add* | *544.17* | |
| 40 05 19 00-2197 | EA | 10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,662.54 | 455.23 |
| | | *For Class 52 Rating, Deduct* | *-217.01* | |
| | | *For Class 54 Rating, Add* | *304.20* | |
| | | *For Class 55 Rating, Add* | *456.49* | |
| | | *For Class 56 Rating, Add* | *606.80* | |
| 40 05 19 00-2198 | EA | 10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,880.23 | 459.26 |
| | | *For Class 52 Rating, Deduct* | *-240.28* | |
| | | *For Class 54 Rating, Add* | *336.01* | |
| | | *For Class 55 Rating, Add* | *503.82* | |
| | | *For Class 56 Rating, Add* | *669.44* | |
| 40 05 19 00-2199 | EA | 10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,097.90 | 463.29 |
| | | *For Class 52 Rating, Deduct* | *-263.55* | |
| | | *For Class 54 Rating, Add* | *367.81* | |
| | | *For Class 55 Rating, Add* | *551.14* | |
| | | *For Class 56 Rating, Add* | *732.07* | |
| 40 05 19 00-2200 | EA | 10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,315.58 | 467.32 |
| | | *For Class 52 Rating, Deduct* | *-286.83* | |
| | | *For Class 54 Rating, Add* | *399.62* | |
| | | *For Class 55 Rating, Add* | *598.47* | |
| | | *For Class 56 Rating, Add* | *794.71* | |
| 40 05 19 00-2201 | EA | 10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,533.26 | 471.35 |
| | | *For Class 52 Rating, Deduct* | *-310.10* | |
| | | *For Class 54 Rating, Add* | *431.43* | |
| | | *For Class 55 Rating, Add* | *645.80* | |
| | | *For Class 56 Rating, Add* | *857.34* | |
| 40 05 19 00-2202 | EA | 10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,750.94 | 475.38 |
| | | *For Class 52 Rating, Deduct* | *-333.37* | |
| | | *For Class 54 Rating, Add* | *463.24* | |
| | | *For Class 55 Rating, Add* | *693.13* | |
| | | *For Class 56 Rating, Add* | *919.98* | |
| 40 05 19 00-2203 | EA | 10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,968.61 | 479.41 |
| | | *For Class 52 Rating, Deduct* | *-356.65* | |
| | | *For Class 54 Rating, Add* | *495.05* | |
| | | *For Class 55 Rating, Add* | *740.45* | |
| | | *For Class 56 Rating, Add* | *982.61* | |
| 40 05 19 00-2204 | EA | 10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,186.30 | 483.44 |
| | | *For Class 52 Rating, Deduct* | *-379.92* | |
| | | *For Class 54 Rating, Add* | *526.86* | |
| | | *For Class 55 Rating, Add* | *787.78* | |
| | | *For Class 56 Rating, Add* | *1,045.25* | |
| 40 05 19 00-2205 | EA | 10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,403.97 | 487.46 |
| | | *For Class 52 Rating, Deduct* | *-403.19* | |
| | | *For Class 54 Rating, Add* | *558.67* | |
| | | *For Class 55 Rating, Add* | *835.11* | |
| | | *For Class 56 Rating, Add* | *1,107.88* | |
| 40 05 19 00-2206 | EA | 10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,621.66 | 491.49 |
| | | *For Class 52 Rating, Deduct* | *-426.47* | |
| | | *For Class 54 Rating, Add* | *590.48* | |
| | | *For Class 55 Rating, Add* | *882.44* | |
| | | *For Class 56 Rating, Add* | *1,170.51* | |
| 40 05 19 00-2207 | EA | 10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,839.33 | 495.52 |
| | | *For Class 52 Rating, Deduct* | *-449.74* | |
| | | *For Class 54 Rating, Add* | *622.29* | |
| | | *For Class 55 Rating, Add* | *929.76* | |
| | | *For Class 56 Rating, Add* | *1,233.15* | |
| 40 05 19 00-2208 | EA | 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,057.01 | 499.55 |
| | | *For Class 52 Rating, Deduct* | *-473.01* | |
| | | *For Class 54 Rating, Add* | *654.10* | |
| | | *For Class 55 Rating, Add* | *977.09* | |
| | | *For Class 56 Rating, Add* | *1,295.78* | |
| 40 05 19 00-2209 | EA | 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,274.69 | 503.57 |
| | | *For Class 52 Rating, Deduct* | *-496.29* | |
| | | *For Class 54 Rating, Add* | *685.91* | |
| | | *For Class 55 Rating, Add* | *1,024.42* | |
| | | *For Class 56 Rating, Add* | *1,358.42* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2210 | EA | 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,492.38 | 507.61 |
| | | *For Class 52 Rating, Deduct* | *-519.56* | |
| | | *For Class 54 Rating, Add* | *717.72* | |
| | | *For Class 55 Rating, Add* | *1,071.75* | |
| | | *For Class 56 Rating, Add* | *1,421.05* | |
| 40 05 19 00-2211 | EA | 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,710.04 | 511.64 |
| | | *For Class 52 Rating, Deduct* | *-542.83* | |
| | | *For Class 54 Rating, Add* | *749.53* | |
| | | *For Class 55 Rating, Add* | *1,119.07* | |
| | | *For Class 56 Rating, Add* | *1,483.69* | |
| 40 05 19 00-2212 | EA | 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,927.73 | 515.67 |
| | | *For Class 52 Rating, Deduct* | *-566.11* | |
| | | *For Class 54 Rating, Add* | *781.34* | |
| | | *For Class 55 Rating, Add* | *1,166.40* | |
| | | *For Class 56 Rating, Add* | *1,546.32* | |
| 40 05 19 00-2213 | EA | 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,145.41 | 519.69 |
| | | *For Class 52 Rating, Deduct* | *-589.38* | |
| | | *For Class 54 Rating, Add* | *813.15* | |
| | | *For Class 55 Rating, Add* | *1,213.73* | |
| | | *For Class 56 Rating, Add* | *1,608.95* | |
| 40 05 19 00-2214 | EA | 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,363.09 | 523.72 |
| | | *For Class 52 Rating, Deduct* | *-612.65* | |
| | | *For Class 54 Rating, Add* | *844.96* | |
| | | *For Class 55 Rating, Add* | *1,261.06* | |
| | | *For Class 56 Rating, Add* | *1,671.59* | |
| 40 05 19 00-2215 | EA | 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,580.76 | 527.75 |
| | | *For Class 52 Rating, Deduct* | *-635.93* | |
| | | *For Class 54 Rating, Add* | *876.77* | |
| | | *For Class 55 Rating, Add* | *1,308.39* | |
| | | *For Class 56 Rating, Add* | *1,734.22* | |
| 40 05 19 00-2216 | EA | 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,798.45 | 531.78 |
| | | *For Class 52 Rating, Deduct* | *-659.20* | |
| | | *For Class 54 Rating, Add* | *908.58* | |
| | | *For Class 55 Rating, Add* | *1,355.71* | |
| | | *For Class 56 Rating, Add* | *1,796.86* | |
| 40 05 19 00-2217 | EA | 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,016.12 | 535.80 |
| | | *For Class 52 Rating, Deduct* | *-682.47* | |
| | | *For Class 54 Rating, Add* | *940.39* | |
| | | *For Class 55 Rating, Add* | *1,403.04* | |
| | | *For Class 56 Rating, Add* | *1,859.49* | |
| 40 05 19 00-2218 | EA | 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,233.81 | 539.83 |
| | | *For Class 52 Rating, Deduct* | *-705.75* | |
| | | *For Class 54 Rating, Add* | *972.20* | |
| | | *For Class 55 Rating, Add* | *1,450.37* | |
| | | *For Class 56 Rating, Add* | *1,922.13* | |
| 40 05 19 00-2219 | EA | 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,451.48 | 543.87 |
| | | *For Class 52 Rating, Deduct* | *-729.02* | |
| | | *For Class 54 Rating, Add* | *1,004.00* | |
| | | *For Class 55 Rating, Add* | *1,497.70* | |
| | | *For Class 56 Rating, Add* | *1,984.76* | |
| 40 05 19 00-2220 | EA | 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,669.16 | 547.90 |
| | | *For Class 52 Rating, Deduct* | *-752.29* | |
| | | *For Class 54 Rating, Add* | *1,035.81* | |
| | | *For Class 55 Rating, Add* | *1,545.02* | |
| | | *For Class 56 Rating, Add* | *2,047.40* | |
| 40 05 19 00-2221 | EA | 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,886.84 | 551.92 |
| | | *For Class 52 Rating, Deduct* | *-775.56* | |
| | | *For Class 54 Rating, Add* | *1,067.62* | |
| | | *For Class 55 Rating, Add* | *1,592.35* | |
| | | *For Class 56 Rating, Add* | *2,110.03* | |
| 40 05 19 00-2222 | EA | 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,104.51 | 555.95 |
| | | *For Class 52 Rating, Deduct* | *-798.84* | |
| | | *For Class 54 Rating, Add* | *1,099.43* | |
| | | *For Class 55 Rating, Add* | *1,639.68* | |
| | | *For Class 56 Rating, Add* | *2,172.66* | |
| 40 05 19 00-2223 | EA | 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,322.19 | 559.98 |
| | | *For Class 52 Rating, Deduct* | *-822.11* | |
| | | *For Class 54 Rating, Add* | *1,131.24* | |
| | | *For Class 55 Rating, Add* | *1,687.01* | |
| | | *For Class 56 Rating, Add* | *2,235.30* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2224 | EA | 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,539.87 | 564.01 |
| | | *For Class 52 Rating, Deduct* | *-845.38* | |
| | | *For Class 54 Rating, Add* | *1,163.05* | |
| | | *For Class 55 Rating, Add* | *1,734.33* | |
| | | *For Class 56 Rating, Add* | *2,297.93* | |
| 40 05 19 00-2225 | EA | 10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,757.55 | 568.03 |
| | | *For Class 52 Rating, Deduct* | *-868.66* | |
| | | *For Class 54 Rating, Add* | *1,194.86* | |
| | | *For Class 55 Rating, Add* | *1,781.66* | |
| | | *For Class 56 Rating, Add* | *2,360.57* | |
| 40 05 19 00-2226 | EA | 10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,975.23 | 572.06 |
| | | *For Class 52 Rating, Deduct* | *-891.93* | |
| | | *For Class 54 Rating, Add* | *1,226.67* | |
| | | *For Class 55 Rating, Add* | *1,828.99* | |
| | | *For Class 56 Rating, Add* | *2,423.20* | |
| 40 05 19 00-2227 | EA | 10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,192.91 | 576.09 |
| | | *For Class 52 Rating, Deduct* | *-915.20* | |
| | | *For Class 54 Rating, Add* | *1,258.48* | |
| | | *For Class 55 Rating, Add* | *1,876.32* | |
| | | *For Class 56 Rating, Add* | *2,485.84* | |
| 40 05 19 00-2228 | EA | 10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,410.58 | 580.13 |
| | | *For Class 52 Rating, Deduct* | *-938.48* | |
| | | *For Class 54 Rating, Add* | *1,290.29* | |
| | | *For Class 55 Rating, Add* | *1,923.64* | |
| | | *For Class 56 Rating, Add* | *2,548.47* | |
| 40 05 19 00-2229 | EA | 10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,628.27 | 584.16 |
| | | *For Class 52 Rating, Deduct* | *-961.75* | |
| | | *For Class 54 Rating, Add* | *1,322.10* | |
| | | *For Class 55 Rating, Add* | *1,970.97* | |
| | | *For Class 56 Rating, Add* | *2,611.10* | |
| 40 05 19 00-2230 | EA | 10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,845.95 | 588.18 |
| | | *For Class 52 Rating, Deduct* | *-985.02* | |
| | | *For Class 54 Rating, Add* | *1,353.91* | |
| | | *For Class 55 Rating, Add* | *2,018.30* | |
| | | *For Class 56 Rating, Add* | *2,673.74* | |
| 40 05 19 00-2231 | EA | 10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,063.62 | 592.21 |
| | | *For Class 52 Rating, Deduct* | *-1,008.30* | |
| | | *For Class 54 Rating, Add* | *1,385.72* | |
| | | *For Class 55 Rating, Add* | *2,065.63* | |
| | | *For Class 56 Rating, Add* | *2,736.37* | |
| 40 05 19 00-2232 | EA | 10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,281.30 | 596.24 |
| | | *For Class 52 Rating, Deduct* | *-1,031.57* | |
| | | *For Class 54 Rating, Add* | *1,417.53* | |
| | | *For Class 55 Rating, Add* | *2,112.96* | |
| | | *For Class 56 Rating, Add* | *2,799.01* | |
| 40 05 19 00-2233 | EA | 10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,498.99 | 600.27 |
| | | *For Class 52 Rating, Deduct* | *-1,054.84* | |
| | | *For Class 54 Rating, Add* | *1,449.34* | |
| | | *For Class 55 Rating, Add* | *2,160.28* | |
| | | *For Class 56 Rating, Add* | *2,861.64* | |
| 40 05 19 00-2234 | EA | 10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,716.66 | 604.29 |
| | | *For Class 52 Rating, Deduct* | *-1,078.12* | |
| | | *For Class 54 Rating, Add* | *1,481.15* | |
| | | *For Class 55 Rating, Add* | *2,207.61* | |
| | | *For Class 56 Rating, Add* | *2,924.27* | |

### 40 05 19 00-2235 12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2236 | EA | 12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,199.04 | 564.01 |
| | | *For Class 52 Rating, Deduct* | *-257.89* | |
| | | *For Class 54 Rating, Add* | *361.93* | |
| | | *For Class 55 Rating, Add* | *543.33* | |
| | | *For Class 56 Rating, Add* | *722.39* | |
| 40 05 19 00-2237 | EA | 12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,468.18 | 568.03 |
| | | *For Class 52 Rating, Deduct* | *-286.83* | |
| | | *For Class 54 Rating, Add* | *401.46* | |
| | | *For Class 55 Rating, Add* | *602.13* | |
| | | *For Class 56 Rating, Add* | *800.20* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2238 | EA | 12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,737.33 | 572.06 |
| | | *For Class 52 Rating, Deduct* | *-315.76* | |
| | | *For Class 54 Rating, Add* | *440.99* | |
| | | *For Class 55 Rating, Add* | *660.94* | |
| | | *For Class 56 Rating, Add* | *878.02* | |
| 40 05 19 00-2239 | EA | 12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,006.47 | 576.09 |
| | | *For Class 52 Rating, Deduct* | *-344.70* | |
| | | *For Class 54 Rating, Add* | *480.51* | |
| | | *For Class 55 Rating, Add* | *719.74* | |
| | | *For Class 56 Rating, Add* | *955.84* | |
| 40 05 19 00-2240 | EA | 12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,275.60 | 580.13 |
| | | *For Class 52 Rating, Deduct* | *-373.63* | |
| | | *For Class 54 Rating, Add* | *520.04* | |
| | | *For Class 55 Rating, Add* | *778.54* | |
| | | *For Class 56 Rating, Add* | *1,033.65* | |
| 40 05 19 00-2241 | EA | 12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,544.75 | 584.16 |
| | | *For Class 52 Rating, Deduct* | *-402.56* | |
| | | *For Class 54 Rating, Add* | *559.57* | |
| | | *For Class 55 Rating, Add* | *837.35* | |
| | | *For Class 56 Rating, Add* | *1,111.47* | |
| 40 05 19 00-2242 | EA | 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,813.90 | 588.18 |
| | | *For Class 52 Rating, Deduct* | *-431.50* | |
| | | *For Class 54 Rating, Add* | *599.10* | |
| | | *For Class 55 Rating, Add* | *896.15* | |
| | | *For Class 56 Rating, Add* | *1,189.28* | |
| 40 05 19 00-2243 | EA | 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,083.03 | 592.21 |
| | | *For Class 52 Rating, Deduct* | *-460.43* | |
| | | *For Class 54 Rating, Add* | *638.63* | |
| | | *For Class 55 Rating, Add* | *954.96* | |
| | | *For Class 56 Rating, Add* | *1,267.10* | |
| 40 05 19 00-2244 | EA | 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,352.18 | 596.24 |
| | | *For Class 52 Rating, Deduct* | *-489.37* | |
| | | *For Class 54 Rating, Add* | *678.16* | |
| | | *For Class 55 Rating, Add* | *1,013.76* | |
| | | *For Class 56 Rating, Add* | *1,344.92* | |
| 40 05 19 00-2245 | EA | 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,621.33 | 600.27 |
| | | *For Class 52 Rating, Deduct* | *-518.30* | |
| | | *For Class 54 Rating, Add* | *717.69* | |
| | | *For Class 55 Rating, Add* | *1,072.57* | |
| | | *For Class 56 Rating, Add* | *1,422.73* | |
| 40 05 19 00-2246 | EA | 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,890.47 | 604.29 |
| | | *For Class 52 Rating, Deduct* | *-547.24* | |
| | | *For Class 54 Rating, Add* | *757.22* | |
| | | *For Class 55 Rating, Add* | *1,131.37* | |
| | | *For Class 56 Rating, Add* | *1,500.55* | |
| 40 05 19 00-2247 | EA | 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,159.61 | 608.32 |
| | | *For Class 52 Rating, Deduct* | *-576.17* | |
| | | *For Class 54 Rating, Add* | *796.75* | |
| | | *For Class 55 Rating, Add* | *1,190.17* | |
| | | *For Class 56 Rating, Add* | *1,578.36* | |
| 40 05 19 00-2248 | EA | 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,428.76 | 612.35 |
| | | *For Class 52 Rating, Deduct* | *-605.10* | |
| | | *For Class 54 Rating, Add* | *836.28* | |
| | | *For Class 55 Rating, Add* | *1,248.98* | |
| | | *For Class 56 Rating, Add* | *1,656.18* | |
| 40 05 19 00-2249 | EA | 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,697.90 | 616.38 |
| | | *For Class 52 Rating, Deduct* | *-634.04* | |
| | | *For Class 54 Rating, Add* | *875.81* | |
| | | *For Class 55 Rating, Add* | *1,307.78* | |
| | | *For Class 56 Rating, Add* | *1,734.00* | |
| 40 05 19 00-2250 | EA | 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,967.04 | 620.41 |
| | | *For Class 52 Rating, Deduct* | *-662.97* | |
| | | *For Class 54 Rating, Add* | *915.33* | |
| | | *For Class 55 Rating, Add* | *1,366.59* | |
| | | *For Class 56 Rating, Add* | *1,811.81* | |
| 40 05 19 00-2251 | EA | 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,236.17 | 624.44 |
| | | *For Class 52 Rating, Deduct* | *-691.91* | |
| | | *For Class 54 Rating, Add* | *954.86* | |
| | | *For Class 55 Rating, Add* | *1,425.39* | |
| | | *For Class 56 Rating, Add* | *1,889.63* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2252 | EA | 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,505.32 | 628.47 |
| | | *For Class 52 Rating, Deduct* | *-720.84* | |
| | | *For Class 54 Rating, Add* | *994.39* | |
| | | *For Class 55 Rating, Add* | *1,484.19* | |
| | | *For Class 56 Rating, Add* | *1,967.44* | |
| 40 05 19 00-2253 | EA | 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,774.47 | 632.50 |
| | | *For Class 52 Rating, Deduct* | *-749.78* | |
| | | *For Class 54 Rating, Add* | *1,033.92* | |
| | | *For Class 55 Rating, Add* | *1,543.00* | |
| | | *For Class 56 Rating, Add* | *2,045.26* | |
| 40 05 19 00-2254 | EA | 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,043.61 | 636.52 |
| | | *For Class 52 Rating, Deduct* | *-778.71* | |
| | | *For Class 54 Rating, Add* | *1,073.45* | |
| | | *For Class 55 Rating, Add* | *1,601.80* | |
| | | *For Class 56 Rating, Add* | *2,123.08* | |
| 40 05 19 00-2255 | EA | 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,312.75 | 640.55 |
| | | *For Class 52 Rating, Deduct* | *-807.64* | |
| | | *For Class 54 Rating, Add* | *1,112.98* | |
| | | *For Class 55 Rating, Add* | *1,660.61* | |
| | | *For Class 56 Rating, Add* | *2,200.89* | |
| 40 05 19 00-2256 | EA | 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,581.90 | 644.58 |
| | | *For Class 52 Rating, Deduct* | *-836.58* | |
| | | *For Class 54 Rating, Add* | *1,152.51* | |
| | | *For Class 55 Rating, Add* | *1,719.41* | |
| | | *For Class 56 Rating, Add* | *2,278.71* | |
| 40 05 19 00-2257 | EA | 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,851.04 | 648.61 |
| | | *For Class 52 Rating, Deduct* | *-865.51* | |
| | | *For Class 54 Rating, Add* | *1,192.04* | |
| | | *For Class 55 Rating, Add* | *1,778.22* | |
| | | *For Class 56 Rating, Add* | *2,356.53* | |
| 40 05 19 00-2258 | EA | 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,120.19 | 652.63 |
| | | *For Class 52 Rating, Deduct* | *-894.45* | |
| | | *For Class 54 Rating, Add* | *1,231.57* | |
| | | *For Class 55 Rating, Add* | *1,837.02* | |
| | | *For Class 56 Rating, Add* | *2,434.34* | |
| 40 05 19 00-2259 | EA | 12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,389.33 | 656.67 |
| | | *For Class 52 Rating, Deduct* | *-923.38* | |
| | | *For Class 54 Rating, Add* | *1,271.10* | |
| | | *For Class 55 Rating, Add* | *1,895.83* | |
| | | *For Class 56 Rating, Add* | *2,512.16* | |
| 40 05 19 00-2260 | EA | 12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,655.61 | 660.70 |
| | | *For Class 52 Rating, Deduct* | *-952.00* | |
| | | *For Class 54 Rating, Add* | *1,310.20* | |
| | | *For Class 55 Rating, Add* | *1,953.99* | |
| | | *For Class 56 Rating, Add* | *2,589.13* | |
| 40 05 19 00-2261 | EA | 12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,927.61 | 664.73 |
| | | *For Class 52 Rating, Deduct* | *-981.25* | |
| | | *For Class 54 Rating, Add* | *1,350.15* | |
| | | *For Class 55 Rating, Add* | *2,013.43* | |
| | | *For Class 56 Rating, Add* | *2,667.79* | |
| 40 05 19 00-2262 | EA | 12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,196.76 | 668.75 |
| | | *For Class 52 Rating, Deduct* | *-1,010.18* | |
| | | *For Class 54 Rating, Add* | *1,389.68* | |
| | | *For Class 55 Rating, Add* | *2,072.24* | |
| | | *For Class 56 Rating, Add* | *2,745.61* | |
| 40 05 19 00-2263 | EA | 12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,465.89 | 672.78 |
| | | *For Class 52 Rating, Deduct* | *-1,039.12* | |
| | | *For Class 54 Rating, Add* | *1,429.21* | |
| | | *For Class 55 Rating, Add* | *2,131.04* | |
| | | *For Class 56 Rating, Add* | *2,823.42* | |
| 40 05 19 00-2264 | EA | 12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,735.04 | 676.81 |
| | | *For Class 52 Rating, Deduct* | *-1,068.05* | |
| | | *For Class 54 Rating, Add* | *1,468.74* | |
| | | *For Class 55 Rating, Add* | *2,189.85* | |
| | | *For Class 56 Rating, Add* | *2,901.24* | |
| 40 05 19 00-2265 | EA | 12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,004.19 | 680.84 |
| | | *For Class 52 Rating, Deduct* | *-1,096.99* | |
| | | *For Class 54 Rating, Add* | *1,508.27* | |
| | | *For Class 55 Rating, Add* | *2,248.65* | |
| | | *For Class 56 Rating, Add* | *2,979.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2266 | EA | 12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,273.33 | 684.86 |
| | | *For Class 52 Rating, Deduct* | *-1,125.92* | |
| | | *For Class 54 Rating, Add* | *1,547.80* | |
| | | *For Class 55 Rating, Add* | *2,307.45* | |
| | | *For Class 56 Rating, Add* | *3,056.87* | |
| 40 05 19 00-2267 | EA | 12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,542.47 | 688.89 |
| | | *For Class 52 Rating, Deduct* | *-1,154.86* | |
| | | *For Class 54 Rating, Add* | *1,587.33* | |
| | | *For Class 55 Rating, Add* | *2,366.26* | |
| | | *For Class 56 Rating, Add* | *3,134.69* | |
| 40 05 19 00-2268 | EA | 12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,811.61 | 692.93 |
| | | *For Class 52 Rating, Deduct* | *-1,183.79* | |
| | | *For Class 54 Rating, Add* | *1,626.86* | |
| | | *For Class 55 Rating, Add* | *2,425.06* | |
| | | *For Class 56 Rating, Add* | *3,212.51* | |
| 40 05 19 00-2269 | EA | 12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,080.76 | 696.96 |
| | | *For Class 52 Rating, Deduct* | *-1,212.72* | |
| | | *For Class 54 Rating, Add* | *1,666.39* | |
| | | *For Class 55 Rating, Add* | *2,483.87* | |
| | | *For Class 56 Rating, Add* | *3,290.32* | |
| 40 05 19 00-2270 | EA | 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,349.91 | 700.98 |
| | | *For Class 52 Rating, Deduct* | *-1,241.66* | |
| | | *For Class 54 Rating, Add* | *1,705.92* | |
| | | *For Class 55 Rating, Add* | *2,542.67* | |
| | | *For Class 56 Rating, Add* | *3,368.14* | |
| 40 05 19 00-2271 | EA | 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,619.03 | 705.01 |
| | | *For Class 52 Rating, Deduct* | *-1,270.59* | |
| | | *For Class 54 Rating, Add* | *1,745.44* | |
| | | *For Class 55 Rating, Add* | *2,601.47* | |
| | | *For Class 56 Rating, Add* | *3,445.95* | |
| 40 05 19 00-2272 | EA | 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,888.18 | 709.04 |
| | | *For Class 52 Rating, Deduct* | *-1,299.53* | |
| | | *For Class 54 Rating, Add* | *1,784.97* | |
| | | *For Class 55 Rating, Add* | *2,660.28* | |
| | | *For Class 56 Rating, Add* | *3,523.77* | |
| 40 05 19 00-2273 | EA | 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,157.33 | 713.07 |
| | | *For Class 52 Rating, Deduct* | *-1,328.46* | |
| | | *For Class 54 Rating, Add* | *1,824.50* | |
| | | *For Class 55 Rating, Add* | *2,719.08* | |
| | | *For Class 56 Rating, Add* | *3,601.59* | |
| 40 05 19 00-2274 | EA | 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,426.47 | 717.09 |
| | | *For Class 52 Rating, Deduct* | *-1,357.40* | |
| | | *For Class 54 Rating, Add* | *1,864.03* | |
| | | *For Class 55 Rating, Add* | *2,777.89* | |
| | | *For Class 56 Rating, Add* | *3,679.40* | |

## 40 05 19 00-2275 14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2276 | EA | 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,287.73 | 676.81 |
| | | *For Class 52 Rating, Deduct* | *-358.85* | |
| | | *For Class 54 Rating, Add* | *501.64* | |
| | | *For Class 55 Rating, Add* | *752.10* | |
| | | *For Class 56 Rating, Add* | *999.28* | |
| 40 05 19 00-2277 | EA | 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,614.06 | 680.84 |
| | | *For Class 52 Rating, Deduct* | *-394.07* | |
| | | *For Class 54 Rating, Add* | *549.75* | |
| | | *For Class 55 Rating, Add* | *823.65* | |
| | | *For Class 56 Rating, Add* | *1,093.97* | |
| 40 05 19 00-2278 | EA | 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,940.38 | 684.86 |
| | | *For Class 52 Rating, Deduct* | *-429.30* | |
| | | *For Class 54 Rating, Add* | *597.86* | |
| | | *For Class 55 Rating, Add* | *895.21* | |
| | | *For Class 56 Rating, Add* | *1,188.65* | |
| 40 05 19 00-2279 | EA | 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,266.70 | 688.89 |
| | | *For Class 52 Rating, Deduct* | *-464.52* | |
| | | *For Class 54 Rating, Add* | *645.96* | |
| | | *For Class 55 Rating, Add* | *966.76* | |
| | | *For Class 56 Rating, Add* | *1,283.34* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2280 | EA | 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,593.02 | 692.93 |
| | | *For Class 52 Rating, Deduct* | *-499.75* | |
| | | *For Class 54 Rating, Add* | *694.07* | |
| | | *For Class 55 Rating, Add* | *1,038.32* | |
| | | *For Class 56 Rating, Add* | *1,378.02* | |
| 40 05 19 00-2281 | EA | 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,919.35 | 696.96 |
| | | *For Class 52 Rating, Deduct* | *-534.97* | |
| | | *For Class 54 Rating, Add* | *742.18* | |
| | | *For Class 55 Rating, Add* | *1,109.87* | |
| | | *For Class 56 Rating, Add* | *1,472.71* | |
| 40 05 19 00-2282 | EA | 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,245.68 | 700.98 |
| | | *For Class 52 Rating, Deduct* | *-570.19* | |
| | | *For Class 54 Rating, Add* | *790.28* | |
| | | *For Class 55 Rating, Add* | *1,181.43* | |
| | | *For Class 56 Rating, Add* | *1,567.39* | |
| 40 05 19 00-2283 | EA | 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,572.00 | 705.01 |
| | | *For Class 52 Rating, Deduct* | *-605.42* | |
| | | *For Class 54 Rating, Add* | *838.39* | |
| | | *For Class 55 Rating, Add* | *1,252.99* | |
| | | *For Class 56 Rating, Add* | *1,662.08* | |
| 40 05 19 00-2284 | EA | 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,898.33 | 709.04 |
| | | *For Class 52 Rating, Deduct* | *-640.64* | |
| | | *For Class 54 Rating, Add* | *886.50* | |
| | | *For Class 55 Rating, Add* | *1,324.54* | |
| | | *For Class 56 Rating, Add* | *1,756.76* | |
| 40 05 19 00-2285 | EA | 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,224.66 | 713.07 |
| | | *For Class 52 Rating, Deduct* | *-675.87* | |
| | | *For Class 54 Rating, Add* | *934.60* | |
| | | *For Class 55 Rating, Add* | *1,396.10* | |
| | | *For Class 56 Rating, Add* | *1,851.45* | |
| 40 05 19 00-2286 | EA | 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,550.98 | 717.09 |
| | | *For Class 52 Rating, Deduct* | *-711.09* | |
| | | *For Class 54 Rating, Add* | *982.71* | |
| | | *For Class 55 Rating, Add* | *1,467.65* | |
| | | *For Class 56 Rating, Add* | *1,946.13* | |
| 40 05 19 00-2287 | EA | 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,877.30 | 721.12 |
| | | *For Class 52 Rating, Deduct* | *-746.32* | |
| | | *For Class 54 Rating, Add* | *1,030.81* | |
| | | *For Class 55 Rating, Add* | *1,539.21* | |
| | | *For Class 56 Rating, Add* | *2,040.82* | |
| 40 05 19 00-2288 | EA | 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,203.63 | 725.15 |
| | | *For Class 52 Rating, Deduct* | *-781.54* | |
| | | *For Class 54 Rating, Add* | *1,078.92* | |
| | | *For Class 55 Rating, Add* | *1,610.76* | |
| | | *For Class 56 Rating, Add* | *2,135.50* | |
| 40 05 19 00-2289 | EA | 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,529.95 | 729.19 |
| | | *For Class 52 Rating, Deduct* | *-816.76* | |
| | | *For Class 54 Rating, Add* | *1,127.03* | |
| | | *For Class 55 Rating, Add* | *1,682.32* | |
| | | *For Class 56 Rating, Add* | *2,230.19* | |
| 40 05 19 00-2290 | EA | 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,856.29 | 733.21 |
| | | *For Class 52 Rating, Deduct* | *-851.99* | |
| | | *For Class 54 Rating, Add* | *1,175.14* | |
| | | *For Class 55 Rating, Add* | *1,753.88* | |
| | | *For Class 56 Rating, Add* | *2,324.87* | |
| 40 05 19 00-2291 | EA | 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,182.61 | 737.24 |
| | | *For Class 52 Rating, Deduct* | *-887.21* | |
| | | *For Class 54 Rating, Add* | *1,223.24* | |
| | | *For Class 55 Rating, Add* | *1,825.43* | |
| | | *For Class 56 Rating, Add* | *2,419.56* | |
| 40 05 19 00-2292 | EA | 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,508.93 | 741.27 |
| | | *For Class 52 Rating, Deduct* | *-922.44* | |
| | | *For Class 54 Rating, Add* | *1,271.35* | |
| | | *For Class 55 Rating, Add* | *1,896.99* | |
| | | *For Class 56 Rating, Add* | *2,514.24* | |
| 40 05 19 00-2293 | EA | 14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,835.26 | 745.30 |
| | | *For Class 52 Rating, Deduct* | *-957.66* | |
| | | *For Class 54 Rating, Add* | *1,319.45* | |
| | | *For Class 55 Rating, Add* | *1,968.54* | |
| | | *For Class 56 Rating, Add* | *2,608.93* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2294 | EA | 14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,161.59 | 749.32 |
| | | *For Class 52 Rating, Deduct* | *-992.89* | |
| | | *For Class 54 Rating, Add* | *1,367.56* | |
| | | *For Class 55 Rating, Add* | *2,040.10* | |
| | | *For Class 56 Rating, Add* | *2,703.61* | |
| 40 05 19 00-2295 | EA | 14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,487.90 | 753.35 |
| | | *For Class 52 Rating, Deduct* | *-1,028.11* | |
| | | *For Class 54 Rating, Add* | *1,415.67* | |
| | | *For Class 55 Rating, Add* | *2,111.66* | |
| | | *For Class 56 Rating, Add* | *2,798.30* | |
| 40 05 19 00-2296 | EA | 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,814.23 | 757.38 |
| | | *For Class 52 Rating, Deduct* | *-1,063.33* | |
| | | *For Class 54 Rating, Add* | *1,463.77* | |
| | | *For Class 55 Rating, Add* | *2,183.21* | |
| | | *For Class 56 Rating, Add* | *2,892.98* | |
| 40 05 19 00-2297 | EA | 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,140.56 | 761.41 |
| | | *For Class 52 Rating, Deduct* | *-1,098.56* | |
| | | *For Class 54 Rating, Add* | *1,511.88* | |
| | | *For Class 55 Rating, Add* | *2,254.77* | |
| | | *For Class 56 Rating, Add* | *2,987.67* | |
| 40 05 19 00-2298 | EA | 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,466.89 | 765.44 |
| | | *For Class 52 Rating, Deduct* | *-1,133.78* | |
| | | *For Class 54 Rating, Add* | *1,559.99* | |
| | | *For Class 55 Rating, Add* | *2,326.32* | |
| | | *For Class 56 Rating, Add* | *3,082.35* | |
| 40 05 19 00-2299 | EA | 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,793.21 | 769.47 |
| | | *For Class 52 Rating, Deduct* | *-1,169.01* | |
| | | *For Class 54 Rating, Add* | *1,608.09* | |
| | | *For Class 55 Rating, Add* | *2,397.88* | |
| | | *For Class 56 Rating, Add* | *3,177.04* | |
| 40 05 19 00-2300 | EA | 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,119.53 | 773.50 |
| | | *For Class 52 Rating, Deduct* | *-1,204.23* | |
| | | *For Class 54 Rating, Add* | *1,656.20* | |
| | | *For Class 55 Rating, Add* | *2,469.44* | |
| | | *For Class 56 Rating, Add* | *3,271.72* | |
| 40 05 19 00-2301 | EA | 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,445.86 | 777.53 |
| | | *For Class 52 Rating, Deduct* | *-1,239.46* | |
| | | *For Class 54 Rating, Add* | *1,704.31* | |
| | | *For Class 55 Rating, Add* | *2,540.99* | |
| | | *For Class 56 Rating, Add* | *3,366.41* | |
| 40 05 19 00-2302 | EA | 14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,772.19 | 781.56 |
| | | *For Class 52 Rating, Deduct* | *-1,274.68* | |
| | | *For Class 54 Rating, Add* | *1,752.41* | |
| | | *For Class 55 Rating, Add* | *2,612.55* | |
| | | *For Class 56 Rating, Add* | *3,461.09* | |
| 40 05 19 00-2303 | EA | 14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,098.50 | 785.58 |
| | | *For Class 52 Rating, Deduct* | *-1,309.91* | |
| | | *For Class 54 Rating, Add* | *1,800.52* | |
| | | *For Class 55 Rating, Add* | *2,684.10* | |
| | | *For Class 56 Rating, Add* | *3,555.78* | |
| 40 05 19 00-2304 | EA | 14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,424.84 | 789.61 |
| | | *For Class 52 Rating, Deduct* | *-1,345.13* | |
| | | *For Class 54 Rating, Add* | *1,848.63* | |
| | | *For Class 55 Rating, Add* | *2,755.66* | |
| | | *For Class 56 Rating, Add* | *3,650.47* | |
| 40 05 19 00-2305 | EA | 14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,751.17 | 793.64 |
| | | *For Class 52 Rating, Deduct* | *-1,380.35* | |
| | | *For Class 54 Rating, Add* | *1,896.73* | |
| | | *For Class 55 Rating, Add* | *2,827.22* | |
| | | *For Class 56 Rating, Add* | *3,745.15* | |
| 40 05 19 00-2306 | EA | 14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,077.49 | 797.67 |
| | | *For Class 52 Rating, Deduct* | *-1,415.58* | |
| | | *For Class 54 Rating, Add* | *1,944.84* | |
| | | *For Class 55 Rating, Add* | *2,898.77* | |
| | | *For Class 56 Rating, Add* | *3,839.83* | |
| 40 05 19 00-2307 | EA | 14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,403.81 | 801.69 |
| | | *For Class 52 Rating, Deduct* | *-1,450.80* | |
| | | *For Class 54 Rating, Add* | *1,992.94* | |
| | | *For Class 55 Rating, Add* | *2,970.33* | |
| | | *For Class 56 Rating, Add* | *3,934.52* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2308 | EA | 14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,730.14 | 805.73 |
| | | *For Class 52 Rating, Deduct* | *-1,486.03* | |
| | | *For Class 54 Rating, Add* | *2,041.05* | |
| | | *For Class 55 Rating, Add* | *3,041.88* | |
| | | *For Class 56 Rating, Add* | *4,029.20* | |
| 40 05 19 00-2309 | EA | 14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,056.46 | 809.76 |
| | | *For Class 52 Rating, Deduct* | *-1,521.25* | |
| | | *For Class 54 Rating, Add* | *2,089.16* | |
| | | *For Class 55 Rating, Add* | *3,113.44* | |
| | | *For Class 56 Rating, Add* | *4,123.89* | |
| 40 05 19 00-2310 | EA | 14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,382.79 | 813.79 |
| | | *For Class 52 Rating, Deduct* | *-1,556.48* | |
| | | *For Class 54 Rating, Add* | *2,137.26* | |
| | | *For Class 55 Rating, Add* | *3,184.99* | |
| | | *For Class 56 Rating, Add* | *4,218.57* | |
| 40 05 19 00-2311 | EA | 14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,709.12 | 817.81 |
| | | *For Class 52 Rating, Deduct* | *-1,591.70* | |
| | | *For Class 54 Rating, Add* | *2,185.37* | |
| | | *For Class 55 Rating, Add* | *3,256.55* | |
| | | *For Class 56 Rating, Add* | *4,313.26* | |
| 40 05 19 00-2312 | EA | 14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,035.44 | 821.84 |
| | | *For Class 52 Rating, Deduct* | *-1,626.93* | |
| | | *For Class 54 Rating, Add* | *2,233.48* | |
| | | *For Class 55 Rating, Add* | *3,328.11* | |
| | | *For Class 56 Rating, Add* | *4,407.95* | |
| 40 05 19 00-2313 | EA | 14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,361.77 | 825.87 |
| | | *For Class 52 Rating, Deduct* | *-1,662.15* | |
| | | *For Class 54 Rating, Add* | *2,281.58* | |
| | | *For Class 55 Rating, Add* | *3,399.66* | |
| | | *For Class 56 Rating, Add* | *4,502.63* | |

## 40 05 19 00-2314 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2315 | EA | 16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,031.77 | 773.50 |
| | | *For Class 52 Rating, Deduct* | *-424.58* | |
| | | *For Class 54 Rating, Add* | *593.04* | |
| | | *For Class 55 Rating, Add* | *888.86* | |
| | | *For Class 56 Rating, Add* | *1,180.83* | |
| 40 05 19 00-2316 | EA | 16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,409.57 | 777.53 |
| | | *For Class 52 Rating, Deduct* | *-465.47* | |
| | | *For Class 54 Rating, Add* | *648.86* | |
| | | *For Class 55 Rating, Add* | *971.90* | |
| | | *For Class 56 Rating, Add* | *1,290.70* | |
| 40 05 19 00-2317 | EA | 16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,787.36 | 781.56 |
| | | *For Class 52 Rating, Deduct* | *-506.35* | |
| | | *For Class 54 Rating, Add* | *704.69* | |
| | | *For Class 55 Rating, Add* | *1,054.93* | |
| | | *For Class 56 Rating, Add* | *1,400.57* | |
| 40 05 19 00-2318 | EA | 16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,165.14 | 785.58 |
| | | *For Class 52 Rating, Deduct* | *-547.24* | |
| | | *For Class 54 Rating, Add* | *760.51* | |
| | | *For Class 55 Rating, Add* | *1,137.96* | |
| | | *For Class 56 Rating, Add* | *1,510.44* | |
| 40 05 19 00-2319 | EA | 16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,542.93 | 789.61 |
| | | *For Class 52 Rating, Deduct* | *-588.12* | |
| | | *For Class 54 Rating, Add* | *816.34* | |
| | | *For Class 55 Rating, Add* | *1,220.99* | |
| | | *For Class 56 Rating, Add* | *1,620.30* | |
| 40 05 19 00-2320 | EA | 16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,920.73 | 793.64 |
| | | *For Class 52 Rating, Deduct* | *-629.01* | |
| | | *For Class 54 Rating, Add* | *872.17* | |
| | | *For Class 55 Rating, Add* | *1,304.03* | |
| | | *For Class 56 Rating, Add* | *1,730.17* | |
| 40 05 19 00-2321 | EA | 16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,298.52 | 797.67 |
| | | *For Class 52 Rating, Deduct* | *-669.89* | |
| | | *For Class 54 Rating, Add* | *927.99* | |
| | | *For Class 55 Rating, Add* | *1,387.06* | |
| | | *For Class 56 Rating, Add* | *1,840.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2322 | EA | 16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,676.30 | 801.69 |
| | | *For Class 52 Rating, Deduct* | *-710.78* | |
| | | *For Class 54 Rating, Add* | *983.82* | |
| | | *For Class 55 Rating, Add* | *1,470.09* | |
| | | *For Class 56 Rating, Add* | *1,949.90* | |
| 40 05 19 00-2323 | EA | 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,054.10 | 805.73 |
| | | *For Class 52 Rating, Deduct* | *-751.66* | |
| | | *For Class 54 Rating, Add* | *1,039.64* | |
| | | *For Class 55 Rating, Add* | *1,553.13* | |
| | | *For Class 56 Rating, Add* | *2,059.77* | |
| 40 05 19 00-2324 | EA | 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,431.88 | 809.76 |
| | | *For Class 52 Rating, Deduct* | *-792.55* | |
| | | *For Class 54 Rating, Add* | *1,095.47* | |
| | | *For Class 55 Rating, Add* | *1,636.16* | |
| | | *For Class 56 Rating, Add* | *2,169.64* | |
| 40 05 19 00-2325 | EA | 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,809.68 | 813.79 |
| | | *For Class 52 Rating, Deduct* | *-833.43* | |
| | | *For Class 54 Rating, Add* | *1,151.30* | |
| | | *For Class 55 Rating, Add* | *1,719.19* | |
| | | *For Class 56 Rating, Add* | *2,279.51* | |
| 40 05 19 00-2326 | EA | 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,187.46 | 817.81 |
| | | *For Class 52 Rating, Deduct* | *-874.32* | |
| | | *For Class 54 Rating, Add* | *1,207.12* | |
| | | *For Class 55 Rating, Add* | *1,802.22* | |
| | | *For Class 56 Rating, Add* | *2,389.37* | |
| 40 05 19 00-2327 | EA | 16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,565.25 | 821.84 |
| | | *For Class 52 Rating, Deduct* | *-915.20* | |
| | | *For Class 54 Rating, Add* | *1,262.95* | |
| | | *For Class 55 Rating, Add* | *1,885.25* | |
| | | *For Class 56 Rating, Add* | *2,499.24* | |
| 40 05 19 00-2328 | EA | 16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,943.04 | 825.87 |
| | | *For Class 52 Rating, Deduct* | *-956.09* | |
| | | *For Class 54 Rating, Add* | *1,318.77* | |
| | | *For Class 55 Rating, Add* | *1,968.29* | |
| | | *For Class 56 Rating, Add* | *2,609.10* | |
| 40 05 19 00-2329 | EA | 16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,320.84 | 829.90 |
| | | *For Class 52 Rating, Deduct* | *-996.98* | |
| | | *For Class 54 Rating, Add* | *1,374.60* | |
| | | *For Class 55 Rating, Add* | *2,051.32* | |
| | | *For Class 56 Rating, Add* | *2,718.97* | |
| 40 05 19 00-2330 | EA | 16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,698.62 | 833.92 |
| | | *For Class 52 Rating, Deduct* | *-1,037.86* | |
| | | *For Class 54 Rating, Add* | *1,430.43* | |
| | | *For Class 55 Rating, Add* | *2,134.35* | |
| | | *For Class 56 Rating, Add* | *2,828.84* | |
| 40 05 19 00-2331 | EA | 16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,076.41 | 837.95 |
| | | *For Class 52 Rating, Deduct* | *-1,078.75* | |
| | | *For Class 54 Rating, Add* | *1,486.25* | |
| | | *For Class 55 Rating, Add* | *2,217.38* | |
| | | *For Class 56 Rating, Add* | *2,938.71* | |
| 40 05 19 00-2332 | EA | 16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,454.20 | 841.99 |
| | | *For Class 52 Rating, Deduct* | *-1,119.63* | |
| | | *For Class 54 Rating, Add* | *1,542.08* | |
| | | *For Class 55 Rating, Add* | *2,300.42* | |
| | | *For Class 56 Rating, Add* | *3,048.57* | |
| 40 05 19 00-2333 | EA | 16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,831.99 | 846.02 |
| | | *For Class 52 Rating, Deduct* | *-1,160.52* | |
| | | *For Class 54 Rating, Add* | *1,597.90* | |
| | | *For Class 55 Rating, Add* | *2,383.45* | |
| | | *For Class 56 Rating, Add* | *3,158.44* | |
| 40 05 19 00-2334 | EA | 16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,209.78 | 850.04 |
| | | *For Class 52 Rating, Deduct* | *-1,201.40* | |
| | | *For Class 54 Rating, Add* | *1,653.73* | |
| | | *For Class 55 Rating, Add* | *2,466.48* | |
| | | *For Class 56 Rating, Add* | *3,268.31* | |
| 40 05 19 00-2335 | EA | 16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,587.56 | 854.07 |
| | | *For Class 52 Rating, Deduct* | *-1,242.29* | |
| | | *For Class 54 Rating, Add* | *1,709.56* | |
| | | *For Class 55 Rating, Add* | *2,549.51* | |
| | | *For Class 56 Rating, Add* | *3,378.17* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2336 | EA | 16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,965.36 | 858.10 |
| | | *For Class 52 Rating, Deduct* | *-1,283.17* | |
| | | *For Class 54 Rating, Add* | *1,765.38* | |
| | | *For Class 55 Rating, Add* | *2,632.55* | |
| | | *For Class 56 Rating, Add* | *3,488.04* | |
| 40 05 19 00-2337 | EA | 16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,343.16 | 862.13 |
| | | *For Class 52 Rating, Deduct* | *-1,324.06* | |
| | | *For Class 54 Rating, Add* | *1,821.21* | |
| | | *For Class 55 Rating, Add* | *2,715.58* | |
| | | *For Class 56 Rating, Add* | *3,597.91* | |
| 40 05 19 00-2338 | EA | 16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,720.93 | 866.15 |
| | | *For Class 52 Rating, Deduct* | *-1,364.94* | |
| | | *For Class 54 Rating, Add* | *1,877.04* | |
| | | *For Class 55 Rating, Add* | *2,798.61* | |
| | | *For Class 56 Rating, Add* | *3,707.78* | |
| 40 05 19 00-2339 | EA | 16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,098.73 | 870.18 |
| | | *For Class 52 Rating, Deduct* | *-1,405.83* | |
| | | *For Class 54 Rating, Add* | *1,932.86* | |
| | | *For Class 55 Rating, Add* | *2,881.64* | |
| | | *For Class 56 Rating, Add* | *3,817.64* | |
| 40 05 19 00-2340 | EA | 16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,476.52 | 874.21 |
| | | *For Class 52 Rating, Deduct* | *-1,446.71* | |
| | | *For Class 54 Rating, Add* | *1,988.69* | |
| | | *For Class 55 Rating, Add* | *2,964.67* | |
| | | *For Class 56 Rating, Add* | *3,927.51* | |
| 40 05 19 00-2341 | EA | 16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,854.31 | 878.25 |
| | | *For Class 52 Rating, Deduct* | *-1,487.60* | |
| | | *For Class 54 Rating, Add* | *2,044.51* | |
| | | *For Class 55 Rating, Add* | *3,047.71* | |
| | | *For Class 56 Rating, Add* | *4,037.38* | |
| 40 05 19 00-2342 | EA | 16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,232.09 | 882.27 |
| | | *For Class 52 Rating, Deduct* | *-1,528.49* | |
| | | *For Class 54 Rating, Add* | *2,100.34* | |
| | | *For Class 55 Rating, Add* | *3,130.74* | |
| | | *For Class 56 Rating, Add* | *4,147.24* | |
| 40 05 19 00-2343 | EA | 16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,609.89 | 886.30 |
| | | *For Class 52 Rating, Deduct* | *-1,569.37* | |
| | | *For Class 54 Rating, Add* | *2,156.17* | |
| | | *For Class 55 Rating, Add* | *3,213.77* | |
| | | *For Class 56 Rating, Add* | *4,257.11* | |
| 40 05 19 00-2344 | EA | 16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,987.67 | 890.33 |
| | | *For Class 52 Rating, Deduct* | *-1,610.26* | |
| | | *For Class 54 Rating, Add* | *2,211.99* | |
| | | *For Class 55 Rating, Add* | *3,296.80* | |
| | | *For Class 56 Rating, Add* | *4,366.98* | |
| 40 05 19 00-2345 | EA | 16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,365.47 | 894.36 |
| | | *For Class 52 Rating, Deduct* | *-1,651.14* | |
| | | *For Class 54 Rating, Add* | *2,267.82* | |
| | | *For Class 55 Rating, Add* | *3,379.84* | |
| | | *For Class 56 Rating, Add* | *4,476.85* | |
| 40 05 19 00-2346 | EA | 16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,743.26 | 898.38 |
| | | *For Class 52 Rating, Deduct* | *-1,692.03* | |
| | | *For Class 54 Rating, Add* | *2,323.64* | |
| | | *For Class 55 Rating, Add* | *3,462.87* | |
| | | *For Class 56 Rating, Add* | *4,586.71* | |
| 40 05 19 00-2347 | EA | 16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,121.04 | 902.41 |
| | | *For Class 52 Rating, Deduct* | *-1,732.91* | |
| | | *For Class 54 Rating, Add* | *2,379.47* | |
| | | *For Class 55 Rating, Add* | *3,545.90* | |
| | | *For Class 56 Rating, Add* | *4,696.58* | |
| 40 05 19 00-2348 | EA | 16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,498.84 | 906.44 |
| | | *For Class 52 Rating, Deduct* | *-1,773.80* | |
| | | *For Class 54 Rating, Add* | *2,435.30* | |
| | | *For Class 55 Rating, Add* | *3,628.93* | |
| | | *For Class 56 Rating, Add* | *4,806.45* | |
| 40 05 19 00-2349 | EA | 16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,876.62 | 910.47 |
| | | *For Class 52 Rating, Deduct* | *-1,814.68* | |
| | | *For Class 54 Rating, Add* | *2,491.12* | |
| | | *For Class 55 Rating, Add* | *3,711.97* | |
| | | *For Class 56 Rating, Add* | *4,916.31* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2350 | EA | 16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,254.41 | 914.49 |
| | | *For Class 52 Rating, Deduct* | *-1,855.57* | |
| | | *For Class 54 Rating, Add* | *2,546.95* | |
| | | *For Class 55 Rating, Add* | *3,795.00* | |
| | | *For Class 56 Rating, Add* | *5,026.18* | |
| 40 05 19 00-2351 | EA | 16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,632.20 | 918.53 |
| | | *For Class 52 Rating, Deduct* | *-1,896.45* | |
| | | *For Class 54 Rating, Add* | *2,602.77* | |
| | | *For Class 55 Rating, Add* | *3,878.03* | |
| | | *For Class 56 Rating, Add* | *5,136.05* | |
| 40 05 19 00-2352 | EA | 16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,009.99 | 922.56 |
| | | *For Class 52 Rating, Deduct* | *-1,937.34* | |
| | | *For Class 54 Rating, Add* | *2,658.60* | |
| | | *For Class 55 Rating, Add* | *3,961.06* | |
| | | *For Class 56 Rating, Add* | *5,245.91* | |

## 40 05 19 00-2353 18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2354 | EA | 18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,866.90 | 871.79 |
| | | *For Class 52 Rating, Deduct* | *-500.06* | |
| | | *For Class 54 Rating, Add* | *697.75* | |
| | | *For Class 55 Rating, Add* | *1,045.46* | |
| | | *For Class 56 Rating, Add* | *1,388.62* | |
| 40 05 19 00-2355 | EA | 18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,301.88 | 875.82 |
| | | *For Class 52 Rating, Deduct* | *-547.24* | |
| | | *For Class 54 Rating, Add* | *762.15* | |
| | | *For Class 55 Rating, Add* | *1,141.24* | |
| | | *For Class 56 Rating, Add* | *1,515.36* | |
| 40 05 19 00-2356 | EA | 18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,736.85 | 879.85 |
| | | *For Class 52 Rating, Deduct* | *-594.41* | |
| | | *For Class 54 Rating, Add* | *826.56* | |
| | | *For Class 55 Rating, Add* | *1,237.03* | |
| | | *For Class 56 Rating, Add* | *1,642.10* | |
| 40 05 19 00-2357 | EA | 18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,171.81 | 883.88 |
| | | *For Class 52 Rating, Deduct* | *-641.59* | |
| | | *For Class 54 Rating, Add* | *890.96* | |
| | | *For Class 55 Rating, Add* | *1,332.81* | |
| | | *For Class 56 Rating, Add* | *1,768.83* | |
| 40 05 19 00-2358 | EA | 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,606.79 | 887.91 |
| | | *For Class 52 Rating, Deduct* | *-688.76* | |
| | | *For Class 54 Rating, Add* | *955.36* | |
| | | *For Class 55 Rating, Add* | *1,428.60* | |
| | | *For Class 56 Rating, Add* | *1,895.57* | |
| 40 05 19 00-2359 | EA | 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,041.77 | 891.94 |
| | | *For Class 52 Rating, Deduct* | *-735.94* | |
| | | *For Class 54 Rating, Add* | *1,019.77* | |
| | | *For Class 55 Rating, Add* | *1,524.38* | |
| | | *For Class 56 Rating, Add* | *2,022.30* | |
| 40 05 19 00-2360 | EA | 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,476.73 | 895.97 |
| | | *For Class 52 Rating, Deduct* | *-783.11* | |
| | | *For Class 54 Rating, Add* | *1,084.17* | |
| | | *For Class 55 Rating, Add* | *1,620.16* | |
| | | *For Class 56 Rating, Add* | *2,149.04* | |
| 40 05 19 00-2361 | EA | 18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,911.71 | 900.00 |
| | | *For Class 52 Rating, Deduct* | *-830.29* | |
| | | *For Class 54 Rating, Add* | *1,148.58* | |
| | | *For Class 55 Rating, Add* | *1,715.95* | |
| | | *For Class 56 Rating, Add* | *2,275.77* | |
| 40 05 19 00-2362 | EA | 18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,346.68 | 904.02 |
| | | *For Class 52 Rating, Deduct* | *-877.46* | |
| | | *For Class 54 Rating, Add* | *1,212.98* | |
| | | *For Class 55 Rating, Add* | *1,811.73* | |
| | | *For Class 56 Rating, Add* | *2,402.51* | |
| 40 05 19 00-2363 | EA | 18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,781.65 | 908.05 |
| | | *For Class 52 Rating, Deduct* | *-924.64* | |
| | | *For Class 54 Rating, Add* | *1,277.38* | |
| | | *For Class 55 Rating, Add* | *1,907.52* | |
| | | *For Class 56 Rating, Add* | *2,529.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2364 | EA | 18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,216.62 | 912.08 |
| | | *For Class 52 Rating, Deduct* | *-971.81* | |
| | | *For Class 54 Rating, Add* | *1,341.79* | |
| | | *For Class 55 Rating, Add* | *2,003.30* | |
| | | *For Class 56 Rating, Add* | *2,655.98* | |
| 40 05 19 00-2365 | EA | 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,651.60 | 916.11 |
| | | *For Class 52 Rating, Deduct* | *-1,018.99* | |
| | | *For Class 54 Rating, Add* | *1,406.19* | |
| | | *For Class 55 Rating, Add* | *2,099.08* | |
| | | *For Class 56 Rating, Add* | *2,782.72* | |
| 40 05 19 00-2366 | EA | 18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,086.57 | 920.13 |
| | | *For Class 52 Rating, Deduct* | *-1,066.17* | |
| | | *For Class 54 Rating, Add* | *1,470.59* | |
| | | *For Class 55 Rating, Add* | *2,194.87* | |
| | | *For Class 56 Rating, Add* | *2,909.45* | |
| 40 05 19 00-2367 | EA | 18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,521.54 | 924.17 |
| | | *For Class 52 Rating, Deduct* | *-1,113.34* | |
| | | *For Class 54 Rating, Add* | *1,535.00* | |
| | | *For Class 55 Rating, Add* | *2,290.65* | |
| | | *For Class 56 Rating, Add* | *3,036.19* | |
| 40 05 19 00-2368 | EA | 18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,956.51 | 928.20 |
| | | *For Class 52 Rating, Deduct* | *-1,160.52* | |
| | | *For Class 54 Rating, Add* | *1,599.40* | |
| | | *For Class 55 Rating, Add* | *2,386.44* | |
| | | *For Class 56 Rating, Add* | *3,162.92* | |
| 40 05 19 00-2369 | EA | 18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,391.48 | 932.23 |
| | | *For Class 52 Rating, Deduct* | *-1,207.69* | |
| | | *For Class 54 Rating, Add* | *1,663.80* | |
| | | *For Class 55 Rating, Add* | *2,482.22* | |
| | | *For Class 56 Rating, Add* | *3,289.66* | |
| 40 05 19 00-2370 | EA | 18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,826.46 | 936.26 |
| | | *For Class 52 Rating, Deduct* | *-1,254.87* | |
| | | *For Class 54 Rating, Add* | *1,728.21* | |
| | | *For Class 55 Rating, Add* | *2,578.01* | |
| | | *For Class 56 Rating, Add* | *3,416.40* | |
| 40 05 19 00-2371 | EA | 18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,261.43 | 940.28 |
| | | *For Class 52 Rating, Deduct* | *-1,302.04* | |
| | | *For Class 54 Rating, Add* | *1,792.61* | |
| | | *For Class 55 Rating, Add* | *2,673.79* | |
| | | *For Class 56 Rating, Add* | *3,543.13* | |
| 40 05 19 00-2372 | EA | 18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,696.39 | 944.31 |
| | | *For Class 52 Rating, Deduct* | *-1,349.22* | |
| | | *For Class 54 Rating, Add* | *1,857.01* | |
| | | *For Class 55 Rating, Add* | *2,769.57* | |
| | | *For Class 56 Rating, Add* | *3,669.87* | |
| 40 05 19 00-2373 | EA | 18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,131.37 | 948.34 |
| | | *For Class 52 Rating, Deduct* | *-1,396.39* | |
| | | *For Class 54 Rating, Add* | *1,921.42* | |
| | | *For Class 55 Rating, Add* | *2,865.36* | |
| | | *For Class 56 Rating, Add* | *3,796.60* | |
| 40 05 19 00-2374 | EA | 18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,566.34 | 952.37 |
| | | *For Class 52 Rating, Deduct* | *-1,443.57* | |
| | | *For Class 54 Rating, Add* | *1,985.82* | |
| | | *For Class 55 Rating, Add* | *2,961.14* | |
| | | *For Class 56 Rating, Add* | *3,923.34* | |
| 40 05 19 00-2375 | EA | 18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,001.32 | 956.39 |
| | | *For Class 52 Rating, Deduct* | *-1,490.75* | |
| | | *For Class 54 Rating, Add* | *2,050.22* | |
| | | *For Class 55 Rating, Add* | *3,056.93* | |
| | | *For Class 56 Rating, Add* | *4,050.08* | |
| 40 05 19 00-2376 | EA | 18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,436.29 | 960.42 |
| | | *For Class 52 Rating, Deduct* | *-1,537.92* | |
| | | *For Class 54 Rating, Add* | *2,114.63* | |
| | | *For Class 55 Rating, Add* | *3,152.71* | |
| | | *For Class 56 Rating, Add* | *4,176.81* | |
| 40 05 19 00-2377 | EA | 18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,871.25 | 964.46 |
| | | *For Class 52 Rating, Deduct* | *-1,585.10* | |
| | | *For Class 54 Rating, Add* | *2,179.03* | |
| | | *For Class 55 Rating, Add* | *3,248.49* | |
| | | *For Class 56 Rating, Add* | *4,303.54* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2378 | EA | 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,306.23 | 968.49 |
| | | *For Class 52 Rating, Deduct* | *-1,632.27* | |
| | | *For Class 54 Rating, Add* | *2,243.43* | |
| | | *For Class 55 Rating, Add* | *3,344.28* | |
| | | *For Class 56 Rating, Add* | *4,430.28* | |
| 40 05 19 00-2379 | EA | 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,741.21 | 972.51 |
| | | *For Class 52 Rating, Deduct* | *-1,679.45* | |
| | | *For Class 54 Rating, Add* | *2,307.84* | |
| | | *For Class 55 Rating, Add* | *3,440.06* | |
| | | *For Class 56 Rating, Add* | *4,557.02* | |
| 40 05 19 00-2380 | EA | 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,176.17 | 976.54 |
| | | *For Class 52 Rating, Deduct* | *-1,726.62* | |
| | | *For Class 54 Rating, Add* | *2,372.24* | |
| | | *For Class 55 Rating, Add* | *3,535.85* | |
| | | *For Class 56 Rating, Add* | *4,683.75* | |
| 40 05 19 00-2381 | EA | 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,611.15 | 980.57 |
| | | *For Class 52 Rating, Deduct* | *-1,773.80* | |
| | | *For Class 54 Rating, Add* | *2,436.64* | |
| | | *For Class 55 Rating, Add* | *3,631.63* | |
| | | *For Class 56 Rating, Add* | *4,810.49* | |
| 40 05 19 00-2382 | EA | 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,046.12 | 984.60 |
| | | *For Class 52 Rating, Deduct* | *-1,820.97* | |
| | | *For Class 54 Rating, Add* | *2,501.05* | |
| | | *For Class 55 Rating, Add* | *3,727.41* | |
| | | *For Class 56 Rating, Add* | *4,937.22* | |
| 40 05 19 00-2383 | EA | 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,481.09 | 988.62 |
| | | *For Class 52 Rating, Deduct* | *-1,868.15* | |
| | | *For Class 54 Rating, Add* | *2,565.45* | |
| | | *For Class 55 Rating, Add* | *3,823.20* | |
| | | *For Class 56 Rating, Add* | *5,063.96* | |
| 40 05 19 00-2384 | EA | 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,916.06 | 992.65 |
| | | *For Class 52 Rating, Deduct* | *-1,915.32* | |
| | | *For Class 54 Rating, Add* | *2,629.85* | |
| | | *For Class 55 Rating, Add* | *3,918.98* | |
| | | *For Class 56 Rating, Add* | *5,190.70* | |
| 40 05 19 00-2385 | EA | 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,351.04 | 996.68 |
| | | *For Class 52 Rating, Deduct* | *-1,962.50* | |
| | | *For Class 54 Rating, Add* | *2,694.26* | |
| | | *For Class 55 Rating, Add* | *4,014.77* | |
| | | *For Class 56 Rating, Add* | *5,317.43* | |
| 40 05 19 00-2386 | EA | 18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,786.01 | 1,000.72 |
| | | *For Class 52 Rating, Deduct* | *-2,009.68* | |
| | | *For Class 54 Rating, Add* | *2,758.66* | |
| | | *For Class 55 Rating, Add* | *4,110.55* | |
| | | *For Class 56 Rating, Add* | *5,444.17* | |
| 40 05 19 00-2387 | EA | 18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,220.98 | 1,004.74 |
| | | *For Class 52 Rating, Deduct* | *-2,056.85* | |
| | | *For Class 54 Rating, Add* | *2,823.06* | |
| | | *For Class 55 Rating, Add* | *4,206.33* | |
| | | *For Class 56 Rating, Add* | *5,570.90* | |
| 40 05 19 00-2388 | EA | 18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,655.95 | 1,008.77 |
| | | *For Class 52 Rating, Deduct* | *-2,104.03* | |
| | | *For Class 54 Rating, Add* | *2,887.47* | |
| | | *For Class 55 Rating, Add* | *4,302.12* | |
| | | *For Class 56 Rating, Add* | *5,697.64* | |
| 40 05 19 00-2389 | EA | 18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,090.92 | 1,012.80 |
| | | *For Class 52 Rating, Deduct* | *-2,151.20* | |
| | | *For Class 54 Rating, Add* | *2,951.87* | |
| | | *For Class 55 Rating, Add* | *4,397.90* | |
| | | *For Class 56 Rating, Add* | *5,824.38* | |
| 40 05 19 00-2390 | EA | 18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,525.90 | 1,016.83 |
| | | *For Class 52 Rating, Deduct* | *-2,198.38* | |
| | | *For Class 54 Rating, Add* | *3,016.28* | |
| | | *For Class 55 Rating, Add* | *4,493.69* | |
| | | *For Class 56 Rating, Add* | *5,951.11* | |
| 40 05 19 00-2391 | EA | 18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,960.87 | 1,020.85 |
| | | *For Class 52 Rating, Deduct* | *-2,245.55* | |
| | | *For Class 54 Rating, Add* | *3,080.68* | |
| | | *For Class 55 Rating, Add* | *4,589.47* | |
| | | *For Class 56 Rating, Add* | *6,077.85* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2392 | | 20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)* | | |
| 40 05 19 00-2393 | EA | 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,868.53 | 995.08 |
| | | *For Class 52 Rating, Deduct* | *-589.69* | |
| | | *For Class 54 Rating, Add* | *822.22* | |
| | | *For Class 55 Rating, Add* | *1,231.65* | |
| | | *For Class 56 Rating, Add* | *1,635.73* | |
| 40 05 19 00-2394 | EA | 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,363.55 | 999.10 |
| | | *For Class 52 Rating, Deduct* | *-643.47* | |
| | | *For Class 54 Rating, Add* | *895.63* | |
| | | *For Class 55 Rating, Add* | *1,340.83* | |
| | | *For Class 56 Rating, Add* | *1,780.18* | |
| 40 05 19 00-2395 | EA | 20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,858.56 | 1,003.13 |
| | | *For Class 52 Rating, Deduct* | *-697.25* | |
| | | *For Class 54 Rating, Add* | *969.04* | |
| | | *For Class 55 Rating, Add* | *1,450.00* | |
| | | *For Class 56 Rating, Add* | *1,924.62* | |
| 40 05 19 00-2396 | EA | 20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,353.58 | 1,007.16 |
| | | *For Class 52 Rating, Deduct* | *-751.03* | |
| | | *For Class 54 Rating, Add* | *1,042.45* | |
| | | *For Class 55 Rating, Add* | *1,559.17* | |
| | | *For Class 56 Rating, Add* | *2,069.07* | |
| 40 05 19 00-2397 | EA | 20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,848.59 | 1,011.19 |
| | | *For Class 52 Rating, Deduct* | *-804.81* | |
| | | *For Class 54 Rating, Add* | *1,115.86* | |
| | | *For Class 55 Rating, Add* | *1,668.35* | |
| | | *For Class 56 Rating, Add* | *2,213.52* | |
| 40 05 19 00-2398 | EA | 20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,343.60 | 1,015.21 |
| | | *For Class 52 Rating, Deduct* | *-858.59* | |
| | | *For Class 54 Rating, Add* | *1,189.27* | |
| | | *For Class 55 Rating, Add* | *1,777.52* | |
| | | *For Class 56 Rating, Add* | *2,357.97* | |
| 40 05 19 00-2399 | EA | 20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,838.62 | 1,019.24 |
| | | *For Class 52 Rating, Deduct* | *-912.37* | |
| | | *For Class 54 Rating, Add* | *1,262.68* | |
| | | *For Class 55 Rating, Add* | *1,886.69* | |
| | | *For Class 56 Rating, Add* | *2,502.42* | |
| 40 05 19 00-2400 | EA | 20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,333.64 | 1,023.27 |
| | | *For Class 52 Rating, Deduct* | *-966.15* | |
| | | *For Class 54 Rating, Add* | *1,336.09* | |
| | | *For Class 55 Rating, Add* | *1,995.87* | |
| | | *For Class 56 Rating, Add* | *2,646.87* | |
| 40 05 19 00-2401 | EA | 20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,828.64 | 1,027.30 |
| | | *For Class 52 Rating, Deduct* | *-1,019.93* | |
| | | *For Class 54 Rating, Add* | *1,409.50* | |
| | | *For Class 55 Rating, Add* | *2,105.04* | |
| | | *For Class 56 Rating, Add* | *2,791.31* | |
| 40 05 19 00-2402 | EA | 20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,323.66 | 1,031.33 |
| | | *For Class 52 Rating, Deduct* | *-1,073.71* | |
| | | *For Class 54 Rating, Add* | *1,482.91* | |
| | | *For Class 55 Rating, Add* | *2,214.21* | |
| | | *For Class 56 Rating, Add* | *2,935.76* | |
| 40 05 19 00-2403 | EA | 20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,818.68 | 1,035.36 |
| | | *For Class 52 Rating, Deduct* | *-1,127.49* | |
| | | *For Class 54 Rating, Add* | *1,556.32* | |
| | | *For Class 55 Rating, Add* | *2,323.39* | |
| | | *For Class 56 Rating, Add* | *3,080.21* | |
| 40 05 19 00-2404 | EA | 20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,313.68 | 1,039.39 |
| | | *For Class 52 Rating, Deduct* | *-1,181.27* | |
| | | *For Class 54 Rating, Add* | *1,629.73* | |
| | | *For Class 55 Rating, Add* | *2,432.56* | |
| | | *For Class 56 Rating, Add* | *3,224.65* | |
| 40 05 19 00-2405 | EA | 20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,808.69 | 1,043.42 |
| | | *For Class 52 Rating, Deduct* | *-1,235.05* | |
| | | *For Class 54 Rating, Add* | *1,703.14* | |
| | | *For Class 55 Rating, Add* | *2,541.73* | |
| | | *For Class 56 Rating, Add* | *3,369.10* | |
| 40 05 19 00-2406 | EA | 20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,303.71 | 1,047.44 |
| | | *For Class 52 Rating, Deduct* | *-1,288.83* | |
| | | *For Class 54 Rating, Add* | *1,776.54* | |
| | | *For Class 55 Rating, Add* | *2,650.91* | |
| | | *For Class 56 Rating, Add* | *3,513.55* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2407 | EA | 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,798.72 | 1,051.47 |
| | | *For Class 52 Rating, Deduct* | *-1,342.61* | |
| | | *For Class 54 Rating, Add* | *1,849.95* | |
| | | *For Class 55 Rating, Add* | *2,760.08* | |
| | | *For Class 56 Rating, Add* | *3,658.00* | |
| 40 05 19 00-2408 | EA | 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,293.74 | 1,055.50 |
| | | *For Class 52 Rating, Deduct* | *-1,396.39* | |
| | | *For Class 54 Rating, Add* | *1,923.36* | |
| | | *For Class 55 Rating, Add* | *2,869.25* | |
| | | *For Class 56 Rating, Add* | *3,802.45* | |
| 40 05 19 00-2409 | EA | 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,788.74 | 1,059.53 |
| | | *For Class 52 Rating, Deduct* | *-1,450.17* | |
| | | *For Class 54 Rating, Add* | *1,996.77* | |
| | | *For Class 55 Rating, Add* | *2,978.43* | |
| | | *For Class 56 Rating, Add* | *3,946.90* | |
| 40 05 19 00-2410 | EA | 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,283.76 | 1,063.55 |
| | | *For Class 52 Rating, Deduct* | *-1,503.95* | |
| | | *For Class 54 Rating, Add* | *2,070.18* | |
| | | *For Class 55 Rating, Add* | *3,087.60* | |
| | | *For Class 56 Rating, Add* | *4,091.34* | |
| 40 05 19 00-2411 | EA | 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,778.78 | 1,067.59 |
| | | *For Class 52 Rating, Deduct* | *-1,557.73* | |
| | | *For Class 54 Rating, Add* | *2,143.59* | |
| | | *For Class 55 Rating, Add* | *3,196.77* | |
| | | *For Class 56 Rating, Add* | *4,235.79* | |
| 40 05 19 00-2412 | EA | 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,273.79 | 1,071.62 |
| | | *For Class 52 Rating, Deduct* | *-1,611.51* | |
| | | *For Class 54 Rating, Add* | *2,217.00* | |
| | | *For Class 55 Rating, Add* | *3,305.95* | |
| | | *For Class 56 Rating, Add* | *4,380.24* | |
| 40 05 19 00-2413 | EA | 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,768.80 | 1,075.65 |
| | | *For Class 52 Rating, Deduct* | *-1,665.29* | |
| | | *For Class 54 Rating, Add* | *2,290.41* | |
| | | *For Class 55 Rating, Add* | *3,415.12* | |
| | | *For Class 56 Rating, Add* | *4,524.69* | |
| 40 05 19 00-2414 | EA | 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,263.82 | 1,079.67 |
| | | *For Class 52 Rating, Deduct* | *-1,719.07* | |
| | | *For Class 54 Rating, Add* | *2,363.82* | |
| | | *For Class 55 Rating, Add* | *3,524.29* | |
| | | *For Class 56 Rating, Add* | *4,669.14* | |
| 40 05 19 00-2415 | EA | 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,758.83 | 1,083.70 |
| | | *For Class 52 Rating, Deduct* | *-1,772.85* | |
| | | *For Class 54 Rating, Add* | *2,437.23* | |
| | | *For Class 55 Rating, Add* | *3,633.47* | |
| | | *For Class 56 Rating, Add* | *4,813.58* | |
| 40 05 19 00-2416 | EA | 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,253.85 | 1,087.73 |
| | | *For Class 52 Rating, Deduct* | *-1,826.63* | |
| | | *For Class 54 Rating, Add* | *2,510.64* | |
| | | *For Class 55 Rating, Add* | *3,742.64* | |
| | | *For Class 56 Rating, Add* | *4,958.03* | |
| 40 05 19 00-2417 | EA | 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,748.86 | 1,091.76 |
| | | *For Class 52 Rating, Deduct* | *-1,880.41* | |
| | | *For Class 54 Rating, Add* | *2,584.05* | |
| | | *For Class 55 Rating, Add* | *3,851.81* | |
| | | *For Class 56 Rating, Add* | *5,102.48* | |
| 40 05 19 00-2418 | EA | 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,243.87 | 1,095.78 |
| | | *For Class 52 Rating, Deduct* | *-1,934.19* | |
| | | *For Class 54 Rating, Add* | *2,657.46* | |
| | | *For Class 55 Rating, Add* | *3,960.99* | |
| | | *For Class 56 Rating, Add* | *5,246.93* | |
| 40 05 19 00-2419 | EA | 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,738.89 | 1,099.81 |
| | | *For Class 52 Rating, Deduct* | *-1,987.98* | |
| | | *For Class 54 Rating, Add* | *2,730.87* | |
| | | *For Class 55 Rating, Add* | *4,070.16* | |
| | | *For Class 56 Rating, Add* | *5,391.38* | |
| 40 05 19 00-2420 | EA | 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,233.91 | 1,103.85 |
| | | *For Class 52 Rating, Deduct* | *-2,041.76* | |
| | | *For Class 54 Rating, Add* | *2,804.28* | |
| | | *For Class 55 Rating, Add* | *4,179.33* | |
| | | *For Class 56 Rating, Add* | *5,535.83* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2421 | EA | 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,728.91 | 1,107.88 |
| | | *For Class 52 Rating, Deduct* | *-2,095.54* | |
| | | *For Class 54 Rating, Add* | *2,877.69* | |
| | | *For Class 55 Rating, Add* | *4,288.51* | |
| | | *For Class 56 Rating, Add* | *5,680.27* | |
| 40 05 19 00-2422 | EA | 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,223.93 | 1,111.90 |
| | | *For Class 52 Rating, Deduct* | *-2,149.32* | |
| | | *For Class 54 Rating, Add* | *2,951.10* | |
| | | *For Class 55 Rating, Add* | *4,397.68* | |
| | | *For Class 56 Rating, Add* | *5,824.72* | |
| 40 05 19 00-2423 | EA | 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,718.95 | 1,115.93 |
| | | *For Class 52 Rating, Deduct* | *-2,203.10* | |
| | | *For Class 54 Rating, Add* | *3,024.51* | |
| | | *For Class 55 Rating, Add* | *4,506.85* | |
| | | *For Class 56 Rating, Add* | *5,969.17* | |
| 40 05 19 00-2424 | EA | 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,213.96 | 1,119.96 |
| | | *For Class 52 Rating, Deduct* | *-2,256.88* | |
| | | *For Class 54 Rating, Add* | *3,097.92* | |
| | | *For Class 55 Rating, Add* | *4,616.03* | |
| | | *For Class 56 Rating, Add* | *6,113.62* | |
| 40 05 19 00-2425 | EA | 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,708.96 | 1,123.99 |
| | | *For Class 52 Rating, Deduct* | *-2,310.65* | |
| | | *For Class 54 Rating, Add* | *3,171.33* | |
| | | *For Class 55 Rating, Add* | *4,725.20* | |
| | | *For Class 56 Rating, Add* | *6,258.06* | |
| 40 05 19 00-2426 | EA | 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,203.97 | 1,128.01 |
| | | *For Class 52 Rating, Deduct* | *-2,364.43* | |
| | | *For Class 54 Rating, Add* | *3,244.74* | |
| | | *For Class 55 Rating, Add* | *4,834.37* | |
| | | *For Class 56 Rating, Add* | *6,402.51* | |
| 40 05 19 00-2427 | EA | 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,698.99 | 1,132.04 |
| | | *For Class 52 Rating, Deduct* | *-2,418.21* | |
| | | *For Class 54 Rating, Add* | *3,318.15* | |
| | | *For Class 55 Rating, Add* | *4,943.55* | |
| | | *For Class 56 Rating, Add* | *6,546.96* | |
| 40 05 19 00-2428 | EA | 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,194.01 | 1,136.07 |
| | | *For Class 52 Rating, Deduct* | *-2,471.99* | |
| | | *For Class 54 Rating, Add* | *3,391.56* | |
| | | *For Class 55 Rating, Add* | *5,052.72* | |
| | | *For Class 56 Rating, Add* | *6,691.41* | |
| 40 05 19 00-2429 | EA | 20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,689.01 | 1,140.10 |
| | | *For Class 52 Rating, Deduct* | *-2,525.77* | |
| | | *For Class 54 Rating, Add* | *3,464.97* | |
| | | *For Class 55 Rating, Add* | *5,161.89* | |
| | | *For Class 56 Rating, Add* | *6,835.86* | |
| 40 05 19 00-2430 | EA | 20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,184.03 | 1,144.13 |
| | | *For Class 52 Rating, Deduct* | *-2,579.56* | |
| | | *For Class 54 Rating, Add* | *3,538.38* | |
| | | *For Class 55 Rating, Add* | *5,271.07* | |
| | | *For Class 56 Rating, Add* | *6,980.30* | |

### 40 05 19 00-2431 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2432 | EA | 24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,472.70 | 1,176.36 |
| | | *For Class 52 Rating, Deduct* | *-735.94* | |
| | | *For Class 54 Rating, Add* | *1,024.94* | |
| | | *For Class 55 Rating, Add* | *1,534.72* | |
| | | *For Class 56 Rating, Add* | *2,037.82* | |
| 40 05 19 00-2433 | EA | 24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,084.94 | 1,180.39 |
| | | *For Class 52 Rating, Deduct* | *-802.61* | |
| | | *For Class 54 Rating, Add* | *1,115.93* | |
| | | *For Class 55 Rating, Add* | *1,670.04* | |
| | | *For Class 56 Rating, Add* | *2,216.84* | |
| 40 05 19 00-2434 | EA | 24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,697.19 | 1,184.42 |
| | | *For Class 52 Rating, Deduct* | *-869.29* | |
| | | *For Class 54 Rating, Add* | *1,206.93* | |
| | | *For Class 55 Rating, Add* | *1,805.35* | |
| | | *For Class 56 Rating, Add* | *2,395.87* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2435 | EA | 24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,309.41 | 1,188.45 |
| | | *For Class 52 Rating, Deduct* | *-935.96* | |
| | | *For Class 54 Rating, Add* | *1,297.92* | |
| | | *For Class 55 Rating, Add* | *1,940.67* | |
| | | *For Class 56 Rating, Add* | *2,574.90* | |
| 40 05 19 00-2436 | EA | 24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,921.65 | 1,192.48 |
| | | *For Class 52 Rating, Deduct* | *-1,002.64* | |
| | | *For Class 54 Rating, Add* | *1,388.91* | |
| | | *For Class 55 Rating, Add* | *2,075.98* | |
| | | *For Class 56 Rating, Add* | *2,753.93* | |
| 40 05 19 00-2437 | EA | 24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,533.89 | 1,196.50 |
| | | *For Class 52 Rating, Deduct* | *-1,069.31* | |
| | | *For Class 54 Rating, Add* | *1,479.91* | |
| | | *For Class 55 Rating, Add* | *2,211.29* | |
| | | *For Class 56 Rating, Add* | *2,932.96* | |
| 40 05 19 00-2438 | EA | 24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,146.13 | 1,200.53 |
| | | *For Class 52 Rating, Deduct* | *-1,135.99* | |
| | | *For Class 54 Rating, Add* | *1,570.90* | |
| | | *For Class 55 Rating, Add* | *2,346.61* | |
| | | *For Class 56 Rating, Add* | *3,111.99* | |
| 40 05 19 00-2439 | EA | 24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,758.36 | 1,204.56 |
| | | *For Class 52 Rating, Deduct* | *-1,202.66* | |
| | | *For Class 54 Rating, Add* | *1,661.89* | |
| | | *For Class 55 Rating, Add* | *2,481.92* | |
| | | *For Class 56 Rating, Add* | *3,291.02* | |
| 40 05 19 00-2440 | EA | 24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,370.60 | 1,208.59 |
| | | *For Class 52 Rating, Deduct* | *-1,269.34* | |
| | | *For Class 54 Rating, Add* | *1,752.89* | |
| | | *For Class 55 Rating, Add* | *2,617.24* | |
| | | *For Class 56 Rating, Add* | *3,470.05* | |
| 40 05 19 00-2441 | EA | 24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,982.84 | 1,212.61 |
| | | *For Class 52 Rating, Deduct* | *-1,336.01* | |
| | | *For Class 54 Rating, Add* | *1,843.88* | |
| | | *For Class 55 Rating, Add* | *2,752.55* | |
| | | *For Class 56 Rating, Add* | *3,649.08* | |
| 40 05 19 00-2442 | EA | 24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,595.09 | 1,216.65 |
| | | *For Class 52 Rating, Deduct* | *-1,402.68* | |
| | | *For Class 54 Rating, Add* | *1,934.87* | |
| | | *For Class 55 Rating, Add* | *2,887.87* | |
| | | *For Class 56 Rating, Add* | *3,828.11* | |
| 40 05 19 00-2443 | EA | 24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,207.31 | 1,220.68 |
| | | *For Class 52 Rating, Deduct* | *-1,469.36* | |
| | | *For Class 54 Rating, Add* | *2,025.87* | |
| | | *For Class 55 Rating, Add* | *3,023.18* | |
| | | *For Class 56 Rating, Add* | *4,007.14* | |
| 40 05 19 00-2444 | EA | 24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,819.55 | 1,224.71 |
| | | *For Class 52 Rating, Deduct* | *-1,536.03* | |
| | | *For Class 54 Rating, Add* | *2,116.86* | |
| | | *For Class 55 Rating, Add* | *3,158.49* | |
| | | *For Class 56 Rating, Add* | *4,186.16* | |
| 40 05 19 00-2445 | EA | 24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,431.80 | 1,228.73 |
| | | *For Class 52 Rating, Deduct* | *-1,602.71* | |
| | | *For Class 54 Rating, Add* | *2,207.85* | |
| | | *For Class 55 Rating, Add* | *3,293.81* | |
| | | *For Class 56 Rating, Add* | *4,365.20* | |
| 40 05 19 00-2446 | EA | 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,044.03 | 1,232.76 |
| | | *For Class 52 Rating, Deduct* | *-1,669.38* | |
| | | *For Class 54 Rating, Add* | *2,298.85* | |
| | | *For Class 55 Rating, Add* | *3,429.12* | |
| | | *For Class 56 Rating, Add* | *4,544.22* | |
| 40 05 19 00-2447 | EA | 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,656.26 | 1,236.79 |
| | | *For Class 52 Rating, Deduct* | *-1,736.06* | |
| | | *For Class 54 Rating, Add* | *2,389.84* | |
| | | *For Class 55 Rating, Add* | *3,564.44* | |
| | | *For Class 56 Rating, Add* | *4,723.25* | |
| 40 05 19 00-2448 | EA | 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,268.51 | 1,240.82 |
| | | *For Class 52 Rating, Deduct* | *-1,802.73* | |
| | | *For Class 54 Rating, Add* | *2,480.83* | |
| | | *For Class 55 Rating, Add* | *3,699.75* | |
| | | *For Class 56 Rating, Add* | *4,902.28* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2449 | EA | 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,880.74 | 1,244.84 |
| | | *For Class 52 Rating, Deduct* | *-1,869.41* | |
| | | *For Class 54 Rating, Add* | *2,571.83* | |
| | | *For Class 55 Rating, Add* | *3,835.07* | |
| | | *For Class 56 Rating, Add* | *5,081.31* | |
| 40 05 19 00-2450 | EA | 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,492.98 | 1,248.87 |
| | | *For Class 52 Rating, Deduct* | *-1,936.08* | |
| | | *For Class 54 Rating, Add* | *2,662.82* | |
| | | *For Class 55 Rating, Add* | *3,970.38* | |
| | | *For Class 56 Rating, Add* | *5,260.34* | |
| 40 05 19 00-2451 | EA | 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,105.22 | 1,252.91 |
| | | *For Class 52 Rating, Deduct* | *-2,002.76* | |
| | | *For Class 54 Rating, Add* | *2,753.81* | |
| | | *For Class 55 Rating, Add* | *4,105.69* | |
| | | *For Class 56 Rating, Add* | *5,439.37* | |
| 40 05 19 00-2452 | EA | 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,717.45 | 1,256.94 |
| | | *For Class 52 Rating, Deduct* | *-2,069.43* | |
| | | *For Class 54 Rating, Add* | *2,844.80* | |
| | | *For Class 55 Rating, Add* | *4,241.01* | |
| | | *For Class 56 Rating, Add* | *5,618.40* | |
| 40 05 19 00-2453 | EA | 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,329.69 | 1,260.96 |
| | | *For Class 52 Rating, Deduct* | *-2,136.11* | |
| | | *For Class 54 Rating, Add* | *2,935.80* | |
| | | *For Class 55 Rating, Add* | *4,376.32* | |
| | | *For Class 56 Rating, Add* | *5,797.43* | |
| 40 05 19 00-2454 | EA | 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,941.94 | 1,264.99 |
| | | *For Class 52 Rating, Deduct* | *-2,202.78* | |
| | | *For Class 54 Rating, Add* | *3,026.79* | |
| | | *For Class 55 Rating, Add* | *4,511.64* | |
| | | *For Class 56 Rating, Add* | *5,976.46* | |
| 40 05 19 00-2455 | EA | 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,554.16 | 1,269.02 |
| | | *For Class 52 Rating, Deduct* | *-2,269.46* | |
| | | *For Class 54 Rating, Add* | *3,117.78* | |
| | | *For Class 55 Rating, Add* | *4,646.95* | |
| | | *For Class 56 Rating, Add* | *6,155.48* | |
| 40 05 19 00-2456 | EA | 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,166.40 | 1,273.05 |
| | | *For Class 52 Rating, Deduct* | *-2,336.13* | |
| | | *For Class 54 Rating, Add* | *3,208.78* | |
| | | *For Class 55 Rating, Add* | *4,782.26* | |
| | | *For Class 56 Rating, Add* | *6,334.51* | |
| 40 05 19 00-2457 | EA | 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,778.64 | 1,277.07 |
| | | *For Class 52 Rating, Deduct* | *-2,402.80* | |
| | | *For Class 54 Rating, Add* | *3,299.77* | |
| | | *For Class 55 Rating, Add* | *4,917.58* | |
| | | *For Class 56 Rating, Add* | *6,513.54* | |
| 40 05 19 00-2458 | EA | 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,390.88 | 1,281.10 |
| | | *For Class 52 Rating, Deduct* | *-2,469.48* | |
| | | *For Class 54 Rating, Add* | *3,390.76* | |
| | | *For Class 55 Rating, Add* | *5,052.89* | |
| | | *For Class 56 Rating, Add* | *6,692.57* | |
| 40 05 19 00-2459 | EA | 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,003.11 | 1,285.13 |
| | | *For Class 52 Rating, Deduct* | *-2,536.15* | |
| | | *For Class 54 Rating, Add* | *3,481.76* | |
| | | *For Class 55 Rating, Add* | *5,188.21* | |
| | | *For Class 56 Rating, Add* | *6,871.60* | |
| 40 05 19 00-2460 | EA | 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,615.35 | 1,289.16 |
| | | *For Class 52 Rating, Deduct* | *-2,602.83* | |
| | | *For Class 54 Rating, Add* | *3,572.75* | |
| | | *For Class 55 Rating, Add* | *5,323.52* | |
| | | *For Class 56 Rating, Add* | *7,050.63* | |
| 40 05 19 00-2461 | EA | 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 26,331.36 | 1,361.67 |
| | | *For Class 52 Rating, Deduct* | *-2,669.50* | |
| | | *For Class 54 Rating, Add* | *3,664.99* | |
| | | *For Class 55 Rating, Add* | *5,461.33* | |
| | | *For Class 56 Rating, Add* | *7,233.40* | |
| 40 05 19 00-2462 | EA | 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 26,943.59 | 1,365.71 |
| | | *For Class 52 Rating, Deduct* | *-2,736.18* | |
| | | *For Class 54 Rating, Add* | *3,755.98* | |
| | | *For Class 55 Rating, Add* | *5,596.64* | |
| | | *For Class 56 Rating, Add* | *7,412.42* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2463 | EA | 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,555.83 | 1,369.74 |
| | | *For Class 52 Rating, Deduct* | *-2,802.85* | |
| | | *For Class 54 Rating, Add* | *3,846.98* | |
| | | *For Class 55 Rating, Add* | *5,731.96* | |
| | | *For Class 56 Rating, Add* | *7,591.45* | |
| 40 05 19 00-2464 | EA | 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,168.07 | 1,373.77 |
| | | *For Class 52 Rating, Deduct* | *-2,869.53* | |
| | | *For Class 54 Rating, Add* | *3,937.97* | |
| | | *For Class 55 Rating, Add* | *5,867.27* | |
| | | *For Class 56 Rating, Add* | *7,770.48* | |
| 40 05 19 00-2465 | EA | 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,780.31 | 1,377.79 |
| | | *For Class 52 Rating, Deduct* | *-2,936.20* | |
| | | *For Class 54 Rating, Add* | *4,028.96* | |
| | | *For Class 55 Rating, Add* | *6,002.58* | |
| | | *For Class 56 Rating, Add* | *7,949.51* | |
| 40 05 19 00-2466 | EA | 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 29,392.54 | 1,381.82 |
| | | *For Class 52 Rating, Deduct* | *-3,002.88* | |
| | | *For Class 54 Rating, Add* | *4,119.96* | |
| | | *For Class 55 Rating, Add* | *6,137.90* | |
| | | *For Class 56 Rating, Add* | *8,128.54* | |
| 40 05 19 00-2467 | EA | 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 30,004.78 | 1,385.85 |
| | | *For Class 52 Rating, Deduct* | *-3,069.55* | |
| | | *For Class 54 Rating, Add* | *4,210.95* | |
| | | *For Class 55 Rating, Add* | *6,273.21* | |
| | | *For Class 56 Rating, Add* | *8,307.57* | |
| 40 05 19 00-2468 | EA | 24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 30,617.02 | 1,389.88 |
| | | *For Class 52 Rating, Deduct* | *-3,136.23* | |
| | | *For Class 54 Rating, Add* | *4,301.94* | |
| | | *For Class 55 Rating, Add* | *6,408.53* | |
| | | *For Class 56 Rating, Add* | *8,486.60* | |
| 40 05 19 00-2469 | EA | 24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 31,229.26 | 1,393.90 |
| | | *For Class 52 Rating, Deduct* | *-3,202.90* | |
| | | *For Class 54 Rating, Add* | *4,392.94* | |
| | | *For Class 55 Rating, Add* | *6,543.84* | |
| | | *For Class 56 Rating, Add* | *8,665.63* | |

### 40 05 19 00-2470 30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2471 | EA | 30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,105.02 | 1,659.79 |
| | | *For Class 52 Rating, Deduct* | *-1,164.92* | |
| | | *For Class 54 Rating, Add* | *1,618.71* | |
| | | *For Class 55 Rating, Add* | *2,421.97* | |
| | | *For Class 56 Rating, Add* | *3,214.64* | |
| 40 05 19 00-2472 | EA | 30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,980.30 | 1,663.83 |
| | | *For Class 52 Rating, Deduct* | *-1,260.53* | |
| | | *For Class 54 Rating, Add* | *1,749.15* | |
| | | *For Class 55 Rating, Add* | *2,615.94* | |
| | | *For Class 56 Rating, Add* | *3,471.26* | |
| 40 05 19 00-2473 | EA | 30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,855.58 | 1,667.86 |
| | | *For Class 52 Rating, Deduct* | *-1,356.14* | |
| | | *For Class 54 Rating, Add* | *1,879.60* | |
| | | *For Class 55 Rating, Add* | *2,809.91* | |
| | | *For Class 56 Rating, Add* | *3,727.89* | |
| 40 05 19 00-2474 | EA | 30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,730.85 | 1,671.88 |
| | | *For Class 52 Rating, Deduct* | *-1,451.75* | |
| | | *For Class 54 Rating, Add* | *2,010.05* | |
| | | *For Class 55 Rating, Add* | *3,003.88* | |
| | | *For Class 56 Rating, Add* | *3,984.51* | |
| 40 05 19 00-2475 | EA | 30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,606.13 | 1,675.91 |
| | | *For Class 52 Rating, Deduct* | *-1,547.36* | |
| | | *For Class 54 Rating, Add* | *2,140.50* | |
| | | *For Class 55 Rating, Add* | *3,197.85* | |
| | | *For Class 56 Rating, Add* | *4,241.14* | |
| 40 05 19 00-2476 | EA | 30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,481.40 | 1,679.94 |
| | | *For Class 52 Rating, Deduct* | *-1,642.96* | |
| | | *For Class 54 Rating, Add* | *2,270.95* | |
| | | *For Class 55 Rating, Add* | *3,391.83* | |
| | | *For Class 56 Rating, Add* | *4,497.76* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2477 | EA | 30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,356.69 | 1,683.97 |
| | | *For Class 52 Rating, Deduct* | *-1,738.57* | |
| | | *For Class 54 Rating, Add* | *2,401.40* | |
| | | *For Class 55 Rating, Add* | *3,585.80* | |
| | | *For Class 56 Rating, Add* | *4,754.39* | |
| 40 05 19 00-2478 | EA | 30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,231.96 | 1,687.99 |
| | | *For Class 52 Rating, Deduct* | *-1,834.18* | |
| | | *For Class 54 Rating, Add* | *2,531.85* | |
| | | *For Class 55 Rating, Add* | *3,779.77* | |
| | | *For Class 56 Rating, Add* | *5,011.02* | |
| 40 05 19 00-2479 | EA | 30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,107.23 | 1,692.02 |
| | | *For Class 52 Rating, Deduct* | *-1,929.79* | |
| | | *For Class 54 Rating, Add* | *2,662.30* | |
| | | *For Class 55 Rating, Add* | *3,973.74* | |
| | | *For Class 56 Rating, Add* | *5,267.64* | |
| 40 05 19 00-2480 | EA | 30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,982.51 | 1,696.05 |
| | | *For Class 52 Rating, Deduct* | *-2,025.40* | |
| | | *For Class 54 Rating, Add* | *2,792.75* | |
| | | *For Class 55 Rating, Add* | *4,167.71* | |
| | | *For Class 56 Rating, Add* | *5,524.27* | |
| 40 05 19 00-2481 | EA | 30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,857.80 | 1,700.08 |
| | | *For Class 52 Rating, Deduct* | *-2,121.01* | |
| | | *For Class 54 Rating, Add* | *2,923.20* | |
| | | *For Class 55 Rating, Add* | *4,361.69* | |
| | | *For Class 56 Rating, Add* | *5,780.90* | |
| 40 05 19 00-2482 | EA | 30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,733.06 | 1,704.11 |
| | | *For Class 52 Rating, Deduct* | *-2,216.62* | |
| | | *For Class 54 Rating, Add* | *3,053.65* | |
| | | *For Class 55 Rating, Add* | *4,555.66* | |
| | | *For Class 56 Rating, Add* | *6,037.52* | |
| 40 05 19 00-2483 | EA | 30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,608.34 | 1,708.14 |
| | | *For Class 52 Rating, Deduct* | *-2,312.23* | |
| | | *For Class 54 Rating, Add* | *3,184.09* | |
| | | *For Class 55 Rating, Add* | *4,749.63* | |
| | | *For Class 56 Rating, Add* | *6,294.14* | |
| 40 05 19 00-2484 | EA | 30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,483.61 | 1,712.17 |
| | | *For Class 52 Rating, Deduct* | *-2,407.84* | |
| | | *For Class 54 Rating, Add* | *3,314.54* | |
| | | *For Class 55 Rating, Add* | *4,943.60* | |
| | | *For Class 56 Rating, Add* | *6,550.77* | |
| 40 05 19 00-2485 | EA | 30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,358.90 | 1,716.20 |
| | | *For Class 52 Rating, Deduct* | *-2,503.45* | |
| | | *For Class 54 Rating, Add* | *3,444.99* | |
| | | *For Class 55 Rating, Add* | *5,137.58* | |
| | | *For Class 56 Rating, Add* | *6,807.40* | |
| 40 05 19 00-2486 | EA | 30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 26,234.17 | 1,720.22 |
| | | *For Class 52 Rating, Deduct* | *-2,599.05* | |
| | | *For Class 54 Rating, Add* | *3,575.44* | |
| | | *For Class 55 Rating, Add* | *5,331.55* | |
| | | *For Class 56 Rating, Add* | *7,064.02* | |
| 40 05 19 00-2487 | EA | 30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,109.44 | 1,724.25 |
| | | *For Class 52 Rating, Deduct* | *-2,694.66* | |
| | | *For Class 54 Rating, Add* | *3,705.89* | |
| | | *For Class 55 Rating, Add* | *5,525.52* | |
| | | *For Class 56 Rating, Add* | *7,320.65* | |
| 40 05 19 00-2488 | EA | 30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,984.72 | 1,728.28 |
| | | *For Class 52 Rating, Deduct* | *-2,790.27* | |
| | | *For Class 54 Rating, Add* | *3,836.34* | |
| | | *For Class 55 Rating, Add* | *5,719.49* | |
| | | *For Class 56 Rating, Add* | *7,577.27* | |
| 40 05 19 00-2489 | EA | 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,860.01 | 1,732.31 |
| | | *For Class 52 Rating, Deduct* | *-2,885.88* | |
| | | *For Class 54 Rating, Add* | *3,966.79* | |
| | | *For Class 55 Rating, Add* | *5,913.46* | |
| | | *For Class 56 Rating, Add* | *7,833.90* | |
| 40 05 19 00-2490 | EA | 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 29,735.27 | 1,736.34 |
| | | *For Class 52 Rating, Deduct* | *-2,981.49* | |
| | | *For Class 54 Rating, Add* | *4,097.24* | |
| | | *For Class 55 Rating, Add* | *6,107.43* | |
| | | *For Class 56 Rating, Add* | *8,090.52* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2491 | EA | 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 30,610.55 | 1,740.37 |
| | | *For Class 52 Rating, Deduct* | *-3,077.10* | |
| | | *For Class 54 Rating, Add* | *4,227.69* | |
| | | *For Class 55 Rating, Add* | *6,301.41* | |
| | | *For Class 56 Rating, Add* | *8,347.15* | |
| 40 05 19 00-2492 | EA | 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 31,485.83 | 1,744.40 |
| | | *For Class 52 Rating, Deduct* | *-3,172.71* | |
| | | *For Class 54 Rating, Add* | *4,358.14* | |
| | | *For Class 55 Rating, Add* | *6,495.38* | |
| | | *For Class 56 Rating, Add* | *8,603.78* | |
| 40 05 19 00-2493 | EA | 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 32,361.11 | 1,748.43 |
| | | *For Class 52 Rating, Deduct* | *-3,268.32* | |
| | | *For Class 54 Rating, Add* | *4,488.59* | |
| | | *For Class 55 Rating, Add* | *6,689.35* | |
| | | *For Class 56 Rating, Add* | *8,860.40* | |
| 40 05 19 00-2494 | EA | 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 33,236.38 | 1,752.46 |
| | | *For Class 52 Rating, Deduct* | *-3,363.93* | |
| | | *For Class 54 Rating, Add* | *4,619.04* | |
| | | *For Class 55 Rating, Add* | *6,883.32* | |
| | | *For Class 56 Rating, Add* | *9,117.03* | |
| 40 05 19 00-2495 | EA | 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 34,111.66 | 1,756.48 |
| | | *For Class 52 Rating, Deduct* | *-3,459.54* | |
| | | *For Class 54 Rating, Add* | *4,749.48* | |
| | | *For Class 55 Rating, Add* | *7,077.29* | |
| | | *For Class 56 Rating, Add* | *9,373.65* | |
| 40 05 19 00-2496 | EA | 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 34,986.93 | 1,760.51 |
| | | *For Class 52 Rating, Deduct* | *-3,555.14* | |
| | | *For Class 54 Rating, Add* | *4,879.93* | |
| | | *For Class 55 Rating, Add* | *7,271.26* | |
| | | *For Class 56 Rating, Add* | *9,630.28* | |
| 40 05 19 00-2497 | EA | 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 35,862.21 | 1,764.54 |
| | | *For Class 52 Rating, Deduct* | *-3,650.75* | |
| | | *For Class 54 Rating, Add* | *5,010.38* | |
| | | *For Class 55 Rating, Add* | *7,465.24* | |
| | | *For Class 56 Rating, Add* | *9,886.90* | |
| 40 05 19 00-2498 | EA | 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 36,737.49 | 1,768.57 |
| | | *For Class 52 Rating, Deduct* | *-3,746.36* | |
| | | *For Class 54 Rating, Add* | *5,140.83* | |
| | | *For Class 55 Rating, Add* | *7,659.21* | |
| | | *For Class 56 Rating, Add* | *10,143.53* | |
| 40 05 19 00-2499 | EA | 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 37,612.76 | 1,772.59 |
| | | *For Class 52 Rating, Deduct* | *-3,841.97* | |
| | | *For Class 54 Rating, Add* | *5,271.28* | |
| | | *For Class 55 Rating, Add* | *7,853.18* | |
| | | *For Class 56 Rating, Add* | *10,400.15* | |
| 40 05 19 00-2500 | EA | 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 38,488.04 | 1,776.63 |
| | | *For Class 52 Rating, Deduct* | *-3,937.58* | |
| | | *For Class 54 Rating, Add* | *5,401.73* | |
| | | *For Class 55 Rating, Add* | *8,047.15* | |
| | | *For Class 56 Rating, Add* | *10,656.78* | |
| 40 05 19 00-2501 | EA | 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 39,363.31 | 1,780.66 |
| | | *For Class 52 Rating, Deduct* | *-4,033.19* | |
| | | *For Class 54 Rating, Add* | *5,532.18* | |
| | | *For Class 55 Rating, Add* | *8,241.12* | |
| | | *For Class 56 Rating, Add* | *10,913.40* | |
| 40 05 19 00-2502 | EA | 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 40,238.59 | 1,784.69 |
| | | *For Class 52 Rating, Deduct* | *-4,128.80* | |
| | | *For Class 54 Rating, Add* | *5,662.63* | |
| | | *For Class 55 Rating, Add* | *8,435.10* | |
| | | *For Class 56 Rating, Add* | *11,170.03* | |
| 40 05 19 00-2503 | EA | 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 41,113.87 | 1,788.71 |
| | | *For Class 52 Rating, Deduct* | *-4,224.41* | |
| | | *For Class 54 Rating, Add* | *5,793.08* | |
| | | *For Class 55 Rating, Add* | *8,629.07* | |
| | | *For Class 56 Rating, Add* | *11,426.66* | |
| 40 05 19 00-2504 | EA | 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 41,989.14 | 1,792.74 |
| | | *For Class 52 Rating, Deduct* | *-4,320.02* | |
| | | *For Class 54 Rating, Add* | *5,923.53* | |
| | | *For Class 55 Rating, Add* | *8,823.04* | |
| | | *For Class 56 Rating, Add* | *11,683.28* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2505 | EA | 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 42,864.42 | 1,796.77 |
| | | *For Class 52 Rating, Deduct* | *-4,415.62* | |
| | | *For Class 54 Rating, Add* | *6,053.97* | |
| | | *For Class 55 Rating, Add* | *9,017.01* | |
| | | *For Class 56 Rating, Add* | *11,939.91* | |
| 40 05 19 00-2506 | | **36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2074)* | | |
| 40 05 19 00-2507 | EA | 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,285.29 | 2,102.94 |
| | | *For Class 52 Rating, Deduct* | *-1,660.89* | |
| | | *For Class 54 Rating, Add* | *2,303.09* | |
| | | *For Class 55 Rating, Add* | *3,443.55* | |
| | | *For Class 56 Rating, Add* | *4,568.91* | |
| 40 05 19 00-2508 | EA | 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,457.91 | 2,106.97 |
| | | *For Class 52 Rating, Deduct* | *-1,789.21* | |
| | | *For Class 54 Rating, Add* | *2,478.14* | |
| | | *For Class 55 Rating, Add* | *3,703.83* | |
| | | *For Class 56 Rating, Add* | *4,913.26* | |
| 40 05 19 00-2509 | EA | 36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,630.54 | 2,111.00 |
| | | *For Class 52 Rating, Deduct* | *-1,917.53* | |
| | | *For Class 54 Rating, Add* | *2,653.19* | |
| | | *For Class 55 Rating, Add* | *3,964.11* | |
| | | *For Class 56 Rating, Add* | *5,257.60* | |
| 40 05 19 00-2510 | EA | 36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,803.17 | 2,115.04 |
| | | *For Class 52 Rating, Deduct* | *-2,045.84* | |
| | | *For Class 54 Rating, Add* | *2,828.24* | |
| | | *For Class 55 Rating, Add* | *4,224.39* | |
| | | *For Class 56 Rating, Add* | *5,601.95* | |
| 40 05 19 00-2511 | EA | 36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,975.80 | 2,119.06 |
| | | *For Class 52 Rating, Deduct* | *-2,174.16* | |
| | | *For Class 54 Rating, Add* | *3,003.29* | |
| | | *For Class 55 Rating, Add* | *4,484.67* | |
| | | *For Class 56 Rating, Add* | *5,946.29* | |
| 40 05 19 00-2512 | EA | 36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,148.42 | 2,123.09 |
| | | *For Class 52 Rating, Deduct* | *-2,302.48* | |
| | | *For Class 54 Rating, Add* | *3,178.34* | |
| | | *For Class 55 Rating, Add* | *4,744.95* | |
| | | *For Class 56 Rating, Add* | *6,290.63* | |
| 40 05 19 00-2513 | EA | 36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,321.04 | 2,127.12 |
| | | *For Class 52 Rating, Deduct* | *-2,430.80* | |
| | | *For Class 54 Rating, Add* | *3,353.40* | |
| | | *For Class 55 Rating, Add* | *5,005.23* | |
| | | *For Class 56 Rating, Add* | *6,634.98* | |
| 40 05 19 00-2514 | EA | 36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 26,493.67 | 2,131.15 |
| | | *For Class 52 Rating, Deduct* | *-2,559.11* | |
| | | *For Class 54 Rating, Add* | *3,528.45* | |
| | | *For Class 55 Rating, Add* | *5,265.52* | |
| | | *For Class 56 Rating, Add* | *6,979.32* | |
| 40 05 19 00-2515 | EA | 36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,666.30 | 2,135.17 |
| | | *For Class 52 Rating, Deduct* | *-2,687.43* | |
| | | *For Class 54 Rating, Add* | *3,703.50* | |
| | | *For Class 55 Rating, Add* | *5,525.80* | |
| | | *For Class 56 Rating, Add* | *7,323.66* | |
| 40 05 19 00-2516 | EA | 36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,838.91 | 2,139.20 |
| | | *For Class 52 Rating, Deduct* | *-2,815.75* | |
| | | *For Class 54 Rating, Add* | *3,878.55* | |
| | | *For Class 55 Rating, Add* | *5,786.08* | |
| | | *For Class 56 Rating, Add* | *7,668.01* | |
| 40 05 19 00-2517 | EA | 36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 30,011.54 | 2,143.23 |
| | | *For Class 52 Rating, Deduct* | *-2,944.06* | |
| | | *For Class 54 Rating, Add* | *4,053.60* | |
| | | *For Class 55 Rating, Add* | *6,046.36* | |
| | | *For Class 56 Rating, Add* | *8,012.35* | |
| 40 05 19 00-2518 | EA | 36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 31,184.16 | 2,147.26 |
| | | *For Class 52 Rating, Deduct* | *-3,072.38* | |
| | | *For Class 54 Rating, Add* | *4,228.65* | |
| | | *For Class 55 Rating, Add* | *6,306.64* | |
| | | *For Class 56 Rating, Add* | *8,356.69* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2519 | EA | 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 32,356.79 | 2,151.29 |
| | | *For Class 52 Rating, Deduct* | *-3,200.70* | |
| | | *For Class 54 Rating, Add* | *4,403.70* | |
| | | *For Class 55 Rating, Add* | *6,566.92* | |
| | | *For Class 56 Rating, Add* | *8,701.03* | |
| 40 05 19 00-2520 | EA | 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 33,529.42 | 2,155.32 |
| | | *For Class 52 Rating, Deduct* | *-3,329.02* | |
| | | *For Class 54 Rating, Add* | *4,578.76* | |
| | | *For Class 55 Rating, Add* | *6,827.20* | |
| | | *For Class 56 Rating, Add* | *9,045.38* | |
| 40 05 19 00-2521 | EA | 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 34,702.04 | 2,159.35 |
| | | *For Class 52 Rating, Deduct* | *-3,457.33* | |
| | | *For Class 54 Rating, Add* | *4,753.81* | |
| | | *For Class 55 Rating, Add* | *7,087.48* | |
| | | *For Class 56 Rating, Add* | *9,389.72* | |
| 40 05 19 00-2522 | EA | 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 35,874.67 | 2,163.38 |
| | | *For Class 52 Rating, Deduct* | *-3,585.65* | |
| | | *For Class 54 Rating, Add* | *4,928.86* | |
| | | *For Class 55 Rating, Add* | *7,347.76* | |
| | | *For Class 56 Rating, Add* | *9,734.07* | |
| 40 05 19 00-2523 | EA | 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 37,047.30 | 2,167.40 |
| | | *For Class 52 Rating, Deduct* | *-3,713.97* | |
| | | *For Class 54 Rating, Add* | *5,103.91* | |
| | | *For Class 55 Rating, Add* | *7,608.04* | |
| | | *For Class 56 Rating, Add* | *10,078.41* | |
| 40 05 19 00-2524 | EA | 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 38,219.91 | 2,171.43 |
| | | *For Class 52 Rating, Deduct* | *-3,842.29* | |
| | | *For Class 54 Rating, Add* | *5,278.96* | |
| | | *For Class 55 Rating, Add* | *7,868.32* | |
| | | *For Class 56 Rating, Add* | *10,422.75* | |
| 40 05 19 00-2525 | EA | 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 39,392.54 | 2,175.46 |
| | | *For Class 52 Rating, Deduct* | *-3,970.60* | |
| | | *For Class 54 Rating, Add* | *5,454.01* | |
| | | *For Class 55 Rating, Add* | *8,128.60* | |
| | | *For Class 56 Rating, Add* | *10,767.10* | |
| 40 05 19 00-2526 | EA | 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 40,565.17 | 2,179.49 |
| | | *For Class 52 Rating, Deduct* | *-4,098.92* | |
| | | *For Class 54 Rating, Add* | *5,629.06* | |
| | | *For Class 55 Rating, Add* | *8,388.88* | |
| | | *For Class 56 Rating, Add* | *11,111.44* | |
| 40 05 19 00-2527 | EA | 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 41,737.79 | 2,183.51 |
| | | *For Class 52 Rating, Deduct* | *-4,227.24* | |
| | | *For Class 54 Rating, Add* | *5,804.11* | |
| | | *For Class 55 Rating, Add* | *8,649.16* | |
| | | *For Class 56 Rating, Add* | *11,455.78* | |
| 40 05 19 00-2528 | EA | 36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 42,910.41 | 2,187.55 |
| | | *For Class 52 Rating, Deduct* | *-4,355.55* | |
| | | *For Class 54 Rating, Add* | *5,979.17* | |
| | | *For Class 55 Rating, Add* | *8,909.44* | |
| | | *For Class 56 Rating, Add* | *11,800.13* | |
| 40 05 19 00-2529 | EA | 36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 44,083.04 | 2,191.58 |
| | | *For Class 52 Rating, Deduct* | *-4,483.87* | |
| | | *For Class 54 Rating, Add* | *6,154.22* | |
| | | *For Class 55 Rating, Add* | *9,169.72* | |
| | | *For Class 56 Rating, Add* | *12,144.47* | |
| 40 05 19 00-2530 | EA | 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 45,255.66 | 2,195.61 |
| | | *For Class 52 Rating, Deduct* | *-4,612.19* | |
| | | *For Class 54 Rating, Add* | *6,329.27* | |
| | | *For Class 55 Rating, Add* | *9,430.00* | |
| | | *For Class 56 Rating, Add* | *12,488.81* | |
| 40 05 19 00-2531 | EA | 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 46,428.30 | 2,199.63 |
| | | *For Class 52 Rating, Deduct* | *-4,740.51* | |
| | | *For Class 54 Rating, Add* | *6,504.32* | |
| | | *For Class 55 Rating, Add* | *9,690.29* | |
| | | *For Class 56 Rating, Add* | *12,833.16* | |
| 40 05 19 00-2532 | EA | 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 47,600.92 | 2,203.66 |
| | | *For Class 52 Rating, Deduct* | *-4,868.82* | |
| | | *For Class 54 Rating, Add* | *6,679.37* | |
| | | *For Class 55 Rating, Add* | *9,950.57* | |
| | | *For Class 56 Rating, Add* | *13,177.50* | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2533 | EA | 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 48,773.54 | 2,207.69 |
| | | *For Class 52 Rating, Deduct* | *-4,997.14* | |
| | | *For Class 54 Rating, Add* | *6,854.42* | |
| | | *For Class 55 Rating, Add* | *10,210.85* | |
| | | *For Class 56 Rating, Add* | *13,521.84* | |
| 40 05 19 00-2534 | EA | 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 49,946.17 | 2,211.72 |
| | | *For Class 52 Rating, Deduct* | *-5,125.46* | |
| | | *For Class 54 Rating, Add* | *7,029.48* | |
| | | *For Class 55 Rating, Add* | *10,471.13* | |
| | | *For Class 56 Rating, Add* | *13,866.19* | |
| 40 05 19 00-2535 | EA | 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 51,118.79 | 2,215.74 |
| | | *For Class 52 Rating, Deduct* | *-5,253.78* | |
| | | *For Class 54 Rating, Add* | *7,204.53* | |
| | | *For Class 55 Rating, Add* | *10,731.41* | |
| | | *For Class 56 Rating, Add* | *14,210.53* | |
| 40 05 19 00-2536 | EA | 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 52,291.41 | 2,219.77 |
| | | *For Class 52 Rating, Deduct* | *-5,382.09* | |
| | | *For Class 54 Rating, Add* | *7,379.58* | |
| | | *For Class 55 Rating, Add* | *10,991.69* | |
| | | *For Class 56 Rating, Add* | *14,554.87* | |
| 40 05 19 00-2537 | EA | 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 53,464.04 | 2,223.81 |
| | | *For Class 52 Rating, Deduct* | *-5,510.41* | |
| | | *For Class 54 Rating, Add* | *7,554.63* | |
| | | *For Class 55 Rating, Add* | *11,251.97* | |
| | | *For Class 56 Rating, Add* | *14,899.22* | |
| 40 05 19 00-2538 | EA | 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 54,636.66 | 2,227.84 |
| | | *For Class 52 Rating, Deduct* | *-5,638.73* | |
| | | *For Class 54 Rating, Add* | *7,729.68* | |
| | | *For Class 55 Rating, Add* | *11,512.25* | |
| | | *For Class 56 Rating, Add* | *15,243.56* | |
| 40 05 19 00-2539 | EA | 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 55,809.29 | 2,231.86 |
| | | *For Class 52 Rating, Deduct* | *-5,767.04* | |
| | | *For Class 54 Rating, Add* | *7,904.73* | |
| | | *For Class 55 Rating, Add* | *11,772.53* | |
| | | *For Class 56 Rating, Add* | *15,587.90* | |
| 40 05 19 00-2540 | EA | 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 56,981.91 | 2,235.89 |
| | | *For Class 52 Rating, Deduct* | *-5,895.36* | |
| | | *For Class 54 Rating, Add* | *8,079.78* | |
| | | *For Class 55 Rating, Add* | *12,032.81* | |
| | | *For Class 56 Rating, Add* | *15,932.25* | |
| 40 05 19 00-2541 | EA | 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 58,154.54 | 2,239.92 |
| | | *For Class 52 Rating, Deduct* | *-6,023.68* | |
| | | *For Class 54 Rating, Add* | *8,254.84* | |
| | | *For Class 55 Rating, Add* | *12,293.09* | |
| | | *For Class 56 Rating, Add* | *16,276.59* | |

### 40 05 19 00-2542 42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2543 | EA | 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,158.92 | 2,650.84 |
| | | *For Class 52 Rating, Deduct* | *-2,215.68* | |
| | | *For Class 54 Rating, Add* | *3,069.57* | |
| | | *For Class 55 Rating, Add* | *4,588.17* | |
| | | *For Class 56 Rating, Add* | *6,086.63* | |
| 40 05 19 00-2544 | EA | 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,880.50 | 2,654.87 |
| | | *For Class 52 Rating, Deduct* | *-2,404.38* | |
| | | *For Class 54 Rating, Add* | *3,326.97* | |
| | | *For Class 55 Rating, Add* | *4,970.87* | |
| | | *For Class 56 Rating, Add* | *6,592.91* | |
| 40 05 19 00-2545 | EA | 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,587.78 | 2,658.89 |
| | | *For Class 52 Rating, Deduct* | *-2,591.51* | |
| | | *For Class 54 Rating, Add* | *3,582.22* | |
| | | *For Class 55 Rating, Add* | *5,350.38* | |
| | | *For Class 56 Rating, Add* | *7,094.98* | |
| 40 05 19 00-2546 | EA | 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 29,312.21 | 2,662.92 |
| | | *For Class 52 Rating, Deduct* | *-2,780.52* | |
| | | *For Class 54 Rating, Add* | *3,840.04* | |
| | | *For Class 55 Rating, Add* | *5,733.71* | |
| | | *For Class 56 Rating, Add* | *7,602.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2547 | EA | 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 31,025.21 | 2,666.95 |
| | | *For Class 52 Rating, Deduct* | *-2,968.28* | |
| | | *For Class 54 Rating, Add* | *4,096.15* | |
| | | *For Class 55 Rating, Add* | *6,114.49* | |
| | | *For Class 56 Rating, Add* | *8,105.86* | |
| 40 05 19 00-2548 | EA | 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 32,755.37 | 2,670.98 |
| | | *For Class 52 Rating, Deduct* | *-3,157.93* | |
| | | *For Class 54 Rating, Add* | *4,354.83* | |
| | | *For Class 55 Rating, Add* | *6,499.10* | |
| | | *For Class 56 Rating, Add* | *8,614.67* | |
| 40 05 19 00-2549 | EA | 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 34,468.36 | 2,675.02 |
| | | *For Class 52 Rating, Deduct* | *-3,345.69* | |
| | | *For Class 54 Rating, Add* | *4,610.93* | |
| | | *For Class 55 Rating, Add* | *6,879.89* | |
| | | *For Class 56 Rating, Add* | *9,118.43* | |
| 40 05 19 00-2550 | EA | 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 36,201.38 | 2,679.04 |
| | | *For Class 52 Rating, Deduct* | *-3,535.65* | |
| | | *For Class 54 Rating, Add* | *4,870.04* | |
| | | *For Class 55 Rating, Add* | *7,265.14* | |
| | | *For Class 56 Rating, Add* | *9,628.09* | |
| 40 05 19 00-2551 | EA | 42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 37,920.10 | 2,683.07 |
| | | *For Class 52 Rating, Deduct* | *-3,724.03* | |
| | | *For Class 54 Rating, Add* | *5,127.01* | |
| | | *For Class 55 Rating, Add* | *7,647.20* | |
| | | *For Class 56 Rating, Add* | *10,133.53* | |
| 40 05 19 00-2552 | EA | 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 39,653.11 | 2,687.10 |
| | | *For Class 52 Rating, Deduct* | *-3,913.99* | |
| | | *For Class 54 Rating, Add* | *5,386.12* | |
| | | *For Class 55 Rating, Add* | *8,032.44* | |
| | | *For Class 56 Rating, Add* | *10,643.19* | |
| 40 05 19 00-2553 | EA | 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 41,371.82 | 2,691.13 |
| | | *For Class 52 Rating, Deduct* | *-4,102.38* | |
| | | *For Class 54 Rating, Add* | *5,643.08* | |
| | | *For Class 55 Rating, Add* | *8,414.50* | |
| | | *For Class 56 Rating, Add* | *11,148.62* | |
| 40 05 19 00-2554 | EA | 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 43,107.70 | 2,695.15 |
| | | *For Class 52 Rating, Deduct* | *-4,292.65* | |
| | | *For Class 54 Rating, Add* | *5,902.62* | |
| | | *For Class 55 Rating, Add* | *8,800.39* | |
| | | *For Class 56 Rating, Add* | *11,659.13* | |
| 40 05 19 00-2555 | EA | 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 44,826.41 | 2,699.18 |
| | | *For Class 52 Rating, Deduct* | *-4,481.04* | |
| | | *For Class 54 Rating, Add* | *6,159.59* | |
| | | *For Class 55 Rating, Add* | *9,182.45* | |
| | | *For Class 56 Rating, Add* | *12,164.57* | |
| 40 05 19 00-2556 | EA | 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 46,550.85 | 2,703.21 |
| | | *For Class 52 Rating, Deduct* | *-4,670.06* | |
| | | *For Class 54 Rating, Add* | *6,417.41* | |
| | | *For Class 55 Rating, Add* | *9,565.78* | |
| | | *For Class 56 Rating, Add* | *12,671.69* | |
| 40 05 19 00-2557 | EA | 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 48,283.86 | 2,707.24 |
| | | *For Class 52 Rating, Deduct* | *-4,860.02* | |
| | | *For Class 54 Rating, Add* | *6,676.52* | |
| | | *For Class 55 Rating, Add* | *9,951.03* | |
| | | *For Class 56 Rating, Add* | *13,181.35* | |
| 40 05 19 00-2558 | EA | 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 50,005.43 | 2,711.27 |
| | | *For Class 52 Rating, Deduct* | *-5,048.72* | |
| | | *For Class 54 Rating, Add* | *6,933.91* | |
| | | *For Class 55 Rating, Add* | *10,333.72* | |
| | | *For Class 56 Rating, Add* | *13,687.64* | |
| 40 05 19 00-2559 | EA | 42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 51,747.03 | 2,715.30 |
| | | *For Class 52 Rating, Deduct* | *-5,239.62* | |
| | | *For Class 54 Rating, Add* | *7,194.31* | |
| | | *For Class 55 Rating, Add* | *10,720.88* | |
| | | *For Class 56 Rating, Add* | *14,199.82* | |
| 40 05 19 00-2560 | EA | 42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 53,471.47 | 2,719.33 |
| | | *For Class 52 Rating, Deduct* | *-5,428.64* | |
| | | *For Class 54 Rating, Add* | *7,452.13* | |
| | | *For Class 55 Rating, Add* | *11,104.22* | |
| | | *For Class 56 Rating, Add* | *14,706.95* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2561 | EA | 42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 55,210.19 | 2,723.36 |
| | | *For Class 52 Rating, Deduct* | *-5,619.23* | |
| | | *For Class 54 Rating, Add* | *7,712.10* | |
| | | *For Class 55 Rating, Add* | *11,490.74* | |
| | | *For Class 56 Rating, Add* | *15,218.30* | |
| 40 05 19 00-2562 | EA | 42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 56,931.77 | 2,727.38 |
| | | *For Class 52 Rating, Deduct* | *-5,807.93* | |
| | | *For Class 54 Rating, Add* | *7,969.49* | |
| | | *For Class 55 Rating, Add* | *11,873.44* | |
| | | *For Class 56 Rating, Add* | *15,724.58* | |
| 40 05 19 00-2563 | EA | 42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 58,676.21 | 2,731.41 |
| | | *For Class 52 Rating, Deduct* | *-5,999.15* | |
| | | *For Class 54 Rating, Add* | *8,230.32* | |
| | | *For Class 55 Rating, Add* | *12,261.23* | |
| | | *For Class 56 Rating, Add* | *16,237.61* | |
| 40 05 19 00-2564 | EA | 42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 60,400.66 | 2,735.44 |
| | | *For Class 52 Rating, Deduct* | *-6,188.17* | |
| | | *For Class 54 Rating, Add* | *8,488.14* | |
| | | *For Class 55 Rating, Add* | *12,644.57* | |
| | | *For Class 56 Rating, Add* | *16,744.74* | |
| 40 05 19 00-2565 | EA | 42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 62,139.38 | 2,739.47 |
| | | *For Class 52 Rating, Deduct* | *-6,378.75* | |
| | | *For Class 54 Rating, Add* | *8,748.11* | |
| | | *For Class 55 Rating, Add* | *13,031.09* | |
| | | *For Class 56 Rating, Add* | *17,256.08* | |
| 40 05 19 00-2566 | EA | 42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 63,863.81 | 2,743.49 |
| | | *For Class 52 Rating, Deduct* | *-6,567.77* | |
| | | *For Class 54 Rating, Add* | *9,005.93* | |
| | | *For Class 55 Rating, Add* | *13,414.42* | |
| | | *For Class 56 Rating, Add* | *17,763.21* | |
| 40 05 19 00-2567 | EA | 42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 65,608.27 | 2,747.53 |
| | | *For Class 52 Rating, Deduct* | *-6,758.99* | |
| | | *For Class 54 Rating, Add* | *9,266.76* | |
| | | *For Class 55 Rating, Add* | *13,802.22* | |
| | | *For Class 56 Rating, Add* | *18,276.24* | |
| 40 05 19 00-2568 | EA | 42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 67,332.71 | 2,751.56 |
| | | *For Class 52 Rating, Deduct* | *-6,948.00* | |
| | | *For Class 54 Rating, Add* | *9,524.58* | |
| | | *For Class 55 Rating, Add* | *14,185.56* | |
| | | *For Class 56 Rating, Add* | *18,783.37* | |
| 40 05 19 00-2569 | EA | 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 69,071.43 | 2,755.59 |
| | | *For Class 52 Rating, Deduct* | *-7,138.59* | |
| | | *For Class 54 Rating, Add* | *9,784.55* | |
| | | *For Class 55 Rating, Add* | *14,572.08* | |
| | | *For Class 56 Rating, Add* | *19,294.72* | |
| 40 05 19 00-2570 | EA | 42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 70,798.73 | 2,759.61 |
| | | *For Class 52 Rating, Deduct* | *-7,327.93* | |
| | | *For Class 54 Rating, Add* | *10,042.80* | |
| | | *For Class 55 Rating, Add* | *14,956.05* | |
| | | *For Class 56 Rating, Add* | *19,802.69* | |
| 40 05 19 00-2571 | EA | 42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 72,197.23 | 2,763.64 |
| | | *For Class 52 Rating, Deduct* | *-7,481.09* | |
| | | *For Class 54 Rating, Add* | *10,251.73* | |
| | | *For Class 55 Rating, Add* | *15,266.70* | |
| | | *For Class 56 Rating, Add* | *20,213.66* | |
| 40 05 19 00-2572 | EA | 42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 74,267.61 | 2,767.67 |
| | | *For Class 52 Rating, Deduct* | *-7,708.16* | |
| | | *For Class 54 Rating, Add* | *10,561.45* | |
| | | *For Class 55 Rating, Add* | *15,727.18* | |
| | | *For Class 56 Rating, Add* | *20,822.84* | |
| 40 05 19 00-2573 | EA | 42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 75,992.04 | 2,771.70 |
| | | *For Class 52 Rating, Deduct* | *-7,897.18* | |
| | | *For Class 54 Rating, Add* | *10,819.27* | |
| | | *For Class 55 Rating, Add* | *16,110.52* | |
| | | *For Class 56 Rating, Add* | *21,329.97* | |
| 40 05 19 00-2574 | EA | 42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 77,733.64 | 2,775.72 |
| | | *For Class 52 Rating, Deduct* | *-8,088.08* | |
| | | *For Class 54 Rating, Add* | *11,079.67* | |
| | | *For Class 55 Rating, Add* | *16,497.68* | |
| | | *For Class 56 Rating, Add* | *21,842.16* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2575 | EA | 42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 79,460.93 | 2,779.75 |
| | | *For Class 52 Rating, Deduct* | *-8,277.41* | |
| | | *For Class 54 Rating, Add* | *11,337.92* | |
| | | *For Class 55 Rating, Add* | *16,881.65* | |
| | | *For Class 56 Rating, Add* | *22,350.13* | |
| 40 05 19 00-2576 | EA | 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 81,205.38 | 2,783.78 |
| | | *For Class 52 Rating, Deduct* | *-8,468.63* | |
| | | *For Class 54 Rating, Add* | *11,598.74* | |
| | | *For Class 55 Rating, Add* | *17,269.45* | |
| | | *For Class 56 Rating, Add* | *22,863.16* | |
| 40 05 19 00-2577 | EA | 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 82,926.96 | 2,787.82 |
| | | *For Class 52 Rating, Deduct* | *-8,657.33* | |
| | | *For Class 54 Rating, Add* | *11,856.14* | |
| | | *For Class 55 Rating, Add* | *17,652.14* | |
| | | *For Class 56 Rating, Add* | *23,369.45* | |
| **40 05 19 00-2578** | | **48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2074)* | | |
| 40 05 19 00-2579 | EA | 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 30,302.61 | 3,331.68 |
| | | *For Class 52 Rating, Deduct* | *-2,778.01* | |
| | | *For Class 54 Rating, Add* | *3,848.77* | |
| | | *For Class 55 Rating, Add* | *5,752.93* | |
| | | *For Class 56 Rating, Add* | *7,631.84* | |
| 40 05 19 00-2580 | EA | 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 32,761.83 | 3,335.70 |
| | | *For Class 52 Rating, Deduct* | *-3,047.85* | |
| | | *For Class 54 Rating, Add* | *4,216.81* | |
| | | *For Class 55 Rating, Add* | *6,300.12* | |
| | | *For Class 56 Rating, Add* | *8,355.73* | |
| 40 05 19 00-2581 | EA | 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 35,226.78 | 3,339.73 |
| | | *For Class 52 Rating, Deduct* | *-3,318.32* | |
| | | *For Class 54 Rating, Add* | *4,585.71* | |
| | | *For Class 55 Rating, Add* | *6,848.59* | |
| | | *For Class 56 Rating, Add* | *9,081.31* | |
| 40 05 19 00-2582 | EA | 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 37,720.32 | 3,343.76 |
| | | *For Class 52 Rating, Deduct* | *-3,591.94* | |
| | | *For Class 54 Rating, Add* | *4,958.90* | |
| | | *For Class 55 Rating, Add* | *7,403.44* | |
| | | *For Class 56 Rating, Add* | *9,815.32* | |
| 40 05 19 00-2583 | EA | 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 40,205.29 | 3,347.80 |
| | | *For Class 52 Rating, Deduct* | *-3,864.62* | |
| | | *For Class 54 Rating, Add* | *5,330.80* | |
| | | *For Class 55 Rating, Add* | *7,956.37* | |
| | | *For Class 56 Rating, Add* | *10,546.80* | |
| 40 05 19 00-2584 | EA | 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 42,695.95 | 3,351.82 |
| | | *For Class 52 Rating, Deduct* | *-4,137.92* | |
| | | *For Class 54 Rating, Add* | *5,703.56* | |
| | | *For Class 55 Rating, Add* | *8,510.57* | |
| | | *For Class 56 Rating, Add* | *11,279.97* | |
| 40 05 19 00-2585 | EA | 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 45,203.79 | 3,355.85 |
| | | *For Class 52 Rating, Deduct* | *-4,413.11* | |
| | | *For Class 54 Rating, Add* | *6,078.89* | |
| | | *For Class 55 Rating, Add* | *9,068.61* | |
| | | *For Class 56 Rating, Add* | *12,018.20* | |
| 40 05 19 00-2586 | EA | 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 47,705.91 | 3,359.88 |
| | | *For Class 52 Rating, Deduct* | *-4,687.67* | |
| | | *For Class 54 Rating, Add* | *6,453.37* | |
| | | *For Class 55 Rating, Add* | *9,625.36* | |
| | | *For Class 56 Rating, Add* | *12,754.74* | |
| 40 05 19 00-2587 | EA | 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 50,205.17 | 3,363.91 |
| | | *For Class 52 Rating, Deduct* | *-4,961.92* | |
| | | *For Class 54 Rating, Add* | *6,827.41* | |
| | | *For Class 55 Rating, Add* | *10,181.48* | |
| | | *For Class 56 Rating, Add* | *13,490.45* | |
| 40 05 19 00-2588 | EA | 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 52,730.15 | 3,367.93 |
| | | *For Class 52 Rating, Deduct* | *-5,238.99* | |
| | | *For Class 54 Rating, Add* | *7,205.32* | |
| | | *For Class 55 Rating, Add* | *10,743.34* | |
| | | *For Class 56 Rating, Add* | *14,233.74* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2589 | EA | 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 55,237.99 | 3,371.96 |
| | | *For Class 52 Rating, Deduct* | *-5,514.18* | |
| | | *For Class 54 Rating, Add* | *7,580.65* | |
| | | *For Class 55 Rating, Add* | *11,301.37* | |
| | | *For Class 56 Rating, Add* | *14,971.97* | |
| 40 05 19 00-2590 | EA | 48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 57,765.83 | 3,375.99 |
| | | *For Class 52 Rating, Deduct* | *-5,791.58* | |
| | | *For Class 54 Rating, Add* | *7,958.99* | |
| | | *For Class 55 Rating, Add* | *11,863.87* | |
| | | *For Class 56 Rating, Add* | *15,716.10* | |
| 40 05 19 00-2591 | EA | 48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 60,279.39 | 3,380.02 |
| | | *For Class 52 Rating, Deduct* | *-6,067.40* | |
| | | *For Class 54 Rating, Add* | *8,335.18* | |
| | | *For Class 55 Rating, Add* | *12,423.18* | |
| | | *For Class 56 Rating, Add* | *16,456.02* | |
| 40 05 19 00-2592 | EA | 48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 62,795.79 | 3,384.05 |
| | | *For Class 52 Rating, Deduct* | *-6,343.53* | |
| | | *For Class 54 Rating, Add* | *8,711.80* | |
| | | *For Class 55 Rating, Add* | *12,983.12* | |
| | | *For Class 56 Rating, Add* | *17,196.78* | |
| 40 05 19 00-2593 | EA | 48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 65,329.36 | 3,388.08 |
| | | *For Class 52 Rating, Deduct* | *-6,621.55* | |
| | | *For Class 54 Rating, Add* | *9,090.99* | |
| | | *For Class 55 Rating, Add* | *13,546.89* | |
| | | *For Class 56 Rating, Add* | *17,942.60* | |
| 40 05 19 00-2594 | EA | 48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 67,851.50 | 3,392.11 |
| | | *For Class 52 Rating, Deduct* | *-6,898.31* | |
| | | *For Class 54 Rating, Add* | *9,468.47* | |
| | | *For Class 55 Rating, Add* | *14,108.11* | |
| | | *For Class 56 Rating, Add* | *18,685.05* | |
| 40 05 19 00-2595 | EA | 48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 70,370.76 | 3,396.14 |
| | | *For Class 52 Rating, Deduct* | *-7,174.76* | |
| | | *For Class 54 Rating, Add* | *9,845.51* | |
| | | *For Class 55 Rating, Add* | *14,668.69* | |
| | | *For Class 56 Rating, Add* | *19,426.65* | |
| 40 05 19 00-2596 | EA | 48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 72,910.04 | 3,400.16 |
| | | *For Class 52 Rating, Deduct* | *-7,453.41* | |
| | | *For Class 54 Rating, Add* | *10,225.56* | |
| | | *For Class 55 Rating, Add* | *15,233.74* | |
| | | *For Class 56 Rating, Add* | *20,174.16* | |
| 40 05 19 00-2597 | EA | 48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 75,435.04 | 3,404.19 |
| | | *For Class 52 Rating, Deduct* | *-7,730.49* | |
| | | *For Class 54 Rating, Add* | *10,603.47* | |
| | | *For Class 55 Rating, Add* | *15,795.60* | |
| | | *For Class 56 Rating, Add* | *20,917.45* | |
| 40 05 19 00-2598 | EA | 48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 77,957.17 | 3,408.22 |
| | | *For Class 52 Rating, Deduct* | *-8,007.25* | |
| | | *For Class 54 Rating, Add* | *10,980.95* | |
| | | *For Class 55 Rating, Add* | *16,356.82* | |
| | | *For Class 56 Rating, Add* | *21,659.90* | |
| 40 05 19 00-2599 | EA | 48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 80,499.31 | 3,412.25 |
| | | *For Class 52 Rating, Deduct* | *-8,286.22* | |
| | | *For Class 54 Rating, Add* | *11,361.43* | |
| | | *For Class 55 Rating, Add* | *16,922.50* | |
| | | *For Class 56 Rating, Add* | *22,408.25* | |
| 40 05 19 00-2600 | EA | 48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 83,030.02 | 3,416.27 |
| | | *For Class 52 Rating, Deduct* | *-8,563.92* | |
| | | *For Class 54 Rating, Add* | *11,740.19* | |
| | | *For Class 55 Rating, Add* | *17,485.63* | |
| | | *For Class 56 Rating, Add* | *23,153.23* | |
| 40 05 19 00-2601 | EA | 48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 85,555.00 | 3,420.31 |
| | | *For Class 52 Rating, Deduct* | *-8,841.00* | |
| | | *For Class 54 Rating, Add* | *12,118.10* | |
| | | *For Class 55 Rating, Add* | *18,047.49* | |
| | | *For Class 56 Rating, Add* | *23,896.51* | |
| 40 05 19 00-2602 | EA | 48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 88,100.01 | 3,424.34 |
| | | *For Class 52 Rating, Deduct* | *-9,120.28* | |
| | | *For Class 54 Rating, Add* | *12,499.00* | |
| | | *For Class 55 Rating, Add* | *18,613.81* | |
| | | *For Class 56 Rating, Add* | *24,645.71* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2603 | EA | 48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 90,630.72 | 3,428.37 |
| | | *For Class 52 Rating, Deduct* | *-9,397.98* | |
| | | *For Class 54 Rating, Add* | *12,877.77* | |
| | | *For Class 55 Rating, Add* | *19,176.95* | |
| | | *For Class 56 Rating, Add* | *25,390.69* | |
| 40 05 19 00-2604 | EA | 48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 93,158.56 | 3,432.39 |
| | | *For Class 52 Rating, Deduct* | *-9,675.38* | |
| | | *For Class 54 Rating, Add* | *13,256.10* | |
| | | *For Class 55 Rating, Add* | *19,739.44* | |
| | | *For Class 56 Rating, Add* | *26,134.82* | |
| 40 05 19 00-2605 | EA | 48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 95,706.43 | 3,436.42 |
| | | *For Class 52 Rating, Deduct* | *-9,954.97* | |
| | | *For Class 54 Rating, Add* | *13,637.44* | |
| | | *For Class 55 Rating, Add* | *20,306.40* | |
| | | *For Class 56 Rating, Add* | *26,884.86* | |
| 40 05 19 00-2606 | EA | 48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 98,240.00 | 3,440.45 |
| | | *For Class 52 Rating, Deduct* | *-10,232.99* | |
| | | *For Class 54 Rating, Add* | *14,016.63* | |
| | | *For Class 55 Rating, Add* | *20,870.17* | |
| | | *For Class 56 Rating, Add* | *27,630.68* | |
| 40 05 19 00-2607 | EA | 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 100,476.21 | 3,444.48 |
| | | *For Class 52 Rating, Deduct* | *-10,478.30* | |
| | | *For Class 54 Rating, Add* | *14,351.22* | |
| | | *For Class 55 Rating, Add* | *21,367.63* | |
| | | *For Class 56 Rating, Add* | *28,288.78* | |
| 40 05 19 00-2608 | EA | 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 103,321.42 | 3,448.51 |
| | | *For Class 52 Rating, Deduct* | *-10,790.61* | |
| | | *For Class 54 Rating, Add* | *14,777.16* | |
| | | *For Class 55 Rating, Add* | *22,000.90* | |
| | | *For Class 56 Rating, Add* | *29,126.54* | |
| 40 05 19 00-2609 | EA | 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 105,852.12 | 3,452.53 |
| | | *For Class 52 Rating, Deduct* | *-11,068.31* | |
| | | *For Class 54 Rating, Add* | *15,155.92* | |
| | | *For Class 55 Rating, Add* | *22,564.03* | |
| | | *For Class 56 Rating, Add* | *29,871.52* | |
| 40 05 19 00-2610 | EA | 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 108,405.71 | 3,456.56 |
| | | *For Class 52 Rating, Deduct* | *-11,348.53* | |
| | | *For Class 54 Rating, Add* | *15,538.12* | |
| | | *For Class 55 Rating, Add* | *23,132.27* | |
| | | *For Class 56 Rating, Add* | *30,623.24* | |
| 40 05 19 00-2611 | EA | 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 110,936.42 | 3,460.60 |
| | | *For Class 52 Rating, Deduct* | *-11,626.24* | |
| | | *For Class 54 Rating, Add* | *15,916.88* | |
| | | *For Class 55 Rating, Add* | *23,695.40* | |
| | | *For Class 56 Rating, Add* | *31,368.22* | |
| 40 05 19 00-2612 | EA | 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 113,467.11 | 3,464.63 |
| | | *For Class 52 Rating, Deduct* | *-11,903.95* | |
| | | *For Class 54 Rating, Add* | *16,295.65* | |
| | | *For Class 55 Rating, Add* | *24,258.53* | |
| | | *For Class 56 Rating, Add* | *32,113.20* | |
| 40 05 19 00-2613 | EA | 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 116,023.56 | 3,468.65 |
| | | *For Class 52 Rating, Deduct* | *-12,184.48* | |
| | | *For Class 54 Rating, Add* | *16,678.27* | |
| | | *For Class 55 Rating, Add* | *24,827.40* | |
| | | *For Class 56 Rating, Add* | *32,865.77* | |

## 40 05 19 00-2614 Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

## 40 05 19 00-2615 4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2616 | EA | 4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 791.10 | 184.35 |
| | | *For Class 52 Rating, Deduct* | *-56.30* | |
| | | *For Class 54 Rating, Add* | *80.12* | |
| | | *For Class 55 Rating, Add* | *120.83* | |
| | | *For Class 56 Rating, Add* | *161.03* | |
| 40 05 19 00-2617 | EA | 4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 904.63 | 187.58 |
| | | *For Class 52 Rating, Deduct* | *-68.25* | |
| | | *For Class 54 Rating, Add* | *96.47* | |
| | | *For Class 55 Rating, Add* | *145.18* | |
| | | *For Class 56 Rating, Add* | *193.26* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2618 | EA | 4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,018.16 | 190.80 |
| | | *For Class 52 Rating, Deduct* | *-80.20* | |
| | | *For Class 54 Rating, Add* | *112.83* | |
| | | *For Class 55 Rating, Add* | *169.52* | |
| | | *For Class 56 Rating, Add* | *225.49* | |
| 40 05 19 00-2619 | EA | 4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,131.69 | 194.02 |
| | | *For Class 52 Rating, Deduct* | *-92.15* | |
| | | *For Class 54 Rating, Add* | *129.19* | |
| | | *For Class 55 Rating, Add* | *193.87* | |
| | | *For Class 56 Rating, Add* | *257.71* | |
| 40 05 19 00-2620 | EA | 4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,245.22 | 197.24 |
| | | *For Class 52 Rating, Deduct* | *-104.10* | |
| | | *For Class 54 Rating, Add* | *145.54* | |
| | | *For Class 55 Rating, Add* | *218.21* | |
| | | *For Class 56 Rating, Add* | *289.94* | |
| 40 05 19 00-2621 | EA | 4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,358.76 | 200.47 |
| | | *For Class 52 Rating, Deduct* | *-116.05* | |
| | | *For Class 54 Rating, Add* | *161.90* | |
| | | *For Class 55 Rating, Add* | *242.56* | |
| | | *For Class 56 Rating, Add* | *322.17* | |
| 40 05 19 00-2622 | EA | 4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,472.28 | 203.69 |
| | | *For Class 52 Rating, Deduct* | *-128.00* | |
| | | *For Class 54 Rating, Add* | *178.25* | |
| | | *For Class 55 Rating, Add* | *266.90* | |
| | | *For Class 56 Rating, Add* | *354.39* | |
| 40 05 19 00-2623 | EA | 4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,585.82 | 206.91 |
| | | *For Class 52 Rating, Deduct* | *-139.95* | |
| | | *For Class 54 Rating, Add* | *194.61* | |
| | | *For Class 55 Rating, Add* | *291.25* | |
| | | *For Class 56 Rating, Add* | *386.62* | |
| 40 05 19 00-2624 | EA | 4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,699.34 | 210.14 |
| | | *For Class 52 Rating, Deduct* | *-151.91* | |
| | | *For Class 54 Rating, Add* | *210.96* | |
| | | *For Class 55 Rating, Add* | *315.60* | |
| | | *For Class 56 Rating, Add* | *418.84* | |
| 40 05 19 00-2625 | EA | 4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,812.86 | 213.35 |
| | | *For Class 52 Rating, Deduct* | *-163.86* | |
| | | *For Class 54 Rating, Add* | *227.32* | |
| | | *For Class 55 Rating, Add* | *339.94* | |
| | | *For Class 56 Rating, Add* | *451.07* | |
| 40 05 19 00-2626 | EA | 4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,926.40 | 216.58 |
| | | *For Class 52 Rating, Deduct* | *-175.81* | |
| | | *For Class 54 Rating, Add* | *243.68* | |
| | | *For Class 55 Rating, Add* | *364.29* | |
| | | *For Class 56 Rating, Add* | *483.30* | |
| 40 05 19 00-2627 | EA | 4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,039.92 | 219.81 |
| | | *For Class 52 Rating, Deduct* | *-187.76* | |
| | | *For Class 54 Rating, Add* | *260.03* | |
| | | *For Class 55 Rating, Add* | *388.63* | |
| | | *For Class 56 Rating, Add* | *515.52* | |
| 40 05 19 00-2628 | EA | 4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,153.45 | 223.03 |
| | | *For Class 52 Rating, Deduct* | *-199.71* | |
| | | *For Class 54 Rating, Add* | *276.39* | |
| | | *For Class 55 Rating, Add* | *412.98* | |
| | | *For Class 56 Rating, Add* | *547.75* | |
| 40 05 19 00-2629 | EA | 4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,266.99 | 226.25 |
| | | *For Class 52 Rating, Deduct* | *-211.66* | |
| | | *For Class 54 Rating, Add* | *292.74* | |
| | | *For Class 55 Rating, Add* | *437.32* | |
| | | *For Class 56 Rating, Add* | *579.98* | |
| 40 05 19 00-2630 | EA | 4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,380.51 | 229.47 |
| | | *For Class 52 Rating, Deduct* | *-223.61* | |
| | | *For Class 54 Rating, Add* | *309.10* | |
| | | *For Class 55 Rating, Add* | *461.67* | |
| | | *For Class 56 Rating, Add* | *612.20* | |
| 40 05 19 00-2631 | EA | 4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,494.05 | 232.70 |
| | | *For Class 52 Rating, Deduct* | *-235.56* | |
| | | *For Class 54 Rating, Add* | *325.45* | |
| | | *For Class 55 Rating, Add* | *486.01* | |
| | | *For Class 56 Rating, Add* | *644.43* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2632 | EA | 4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,607.58 | 235.92 |
| | | *For Class 52 Rating, Deduct* | *-247.51* | |
| | | *For Class 54 Rating, Add* | *341.81* | |
| | | *For Class 55 Rating, Add* | *510.36* | |
| | | *For Class 56 Rating, Add* | *676.66* | |
| 40 05 19 00-2633 | EA | 4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,721.11 | 239.14 |
| | | *For Class 52 Rating, Deduct* | *-259.46* | |
| | | *For Class 54 Rating, Add* | *358.16* | |
| | | *For Class 55 Rating, Add* | *534.70* | |
| | | *For Class 56 Rating, Add* | *708.88* | |
| 40 05 19 00-2634 | EA | 4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,834.64 | 242.37 |
| | | *For Class 52 Rating, Deduct* | *-271.42* | |
| | | *For Class 54 Rating, Add* | *374.52* | |
| | | *For Class 55 Rating, Add* | *559.05* | |
| | | *For Class 56 Rating, Add* | *741.11* | |
| 40 05 19 00-2635 | EA | 4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,948.17 | 245.58 |
| | | *For Class 52 Rating, Deduct* | *-283.37* | |
| | | *For Class 54 Rating, Add* | *390.88* | |
| | | *For Class 55 Rating, Add* | *583.39* | |
| | | *For Class 56 Rating, Add* | *773.34* | |
| 40 05 19 00-2636 | EA | 4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,061.70 | 248.81 |
| | | *For Class 52 Rating, Deduct* | *-295.32* | |
| | | *For Class 54 Rating, Add* | *407.23* | |
| | | *For Class 55 Rating, Add* | *607.74* | |
| | | *For Class 56 Rating, Add* | *805.56* | |
| 40 05 19 00-2637 | EA | 4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,175.22 | 252.04 |
| | | *For Class 52 Rating, Deduct* | *-307.27* | |
| | | *For Class 54 Rating, Add* | *423.59* | |
| | | *For Class 55 Rating, Add* | *632.08* | |
| | | *For Class 56 Rating, Add* | *837.79* | |
| 40 05 19 00-2638 | EA | 4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,288.76 | 255.25 |
| | | *For Class 52 Rating, Deduct* | *-319.22* | |
| | | *For Class 54 Rating, Add* | *439.94* | |
| | | *For Class 55 Rating, Add* | *656.43* | |
| | | *For Class 56 Rating, Add* | *870.02* | |
| 40 05 19 00-2639 | EA | 4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,402.28 | 258.48 |
| | | *For Class 52 Rating, Deduct* | *-331.17* | |
| | | *For Class 54 Rating, Add* | *456.30* | |
| | | *For Class 55 Rating, Add* | *680.77* | |
| | | *For Class 56 Rating, Add* | *902.24* | |
| 40 05 19 00-2640 | EA | 4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,515.81 | 261.70 |
| | | *For Class 52 Rating, Deduct* | *-343.12* | |
| | | *For Class 54 Rating, Add* | *472.65* | |
| | | *For Class 55 Rating, Add* | *705.12* | |
| | | *For Class 56 Rating, Add* | *934.47* | |
| 40 05 19 00-2641 | EA | 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,629.35 | 264.92 |
| | | *For Class 52 Rating, Deduct* | *-355.07* | |
| | | *For Class 54 Rating, Add* | *489.01* | |
| | | *For Class 55 Rating, Add* | *729.47* | |
| | | *For Class 56 Rating, Add* | *966.70* | |
| 40 05 19 00-2642 | EA | 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,742.87 | 268.15 |
| | | *For Class 52 Rating, Deduct* | *-367.02* | |
| | | *For Class 54 Rating, Add* | *505.36* | |
| | | *For Class 55 Rating, Add* | *753.81* | |
| | | *For Class 56 Rating, Add* | *998.92* | |
| 40 05 19 00-2643 | EA | 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,856.41 | 271.37 |
| | | *For Class 52 Rating, Deduct* | *-378.98* | |
| | | *For Class 54 Rating, Add* | *521.72* | |
| | | *For Class 55 Rating, Add* | *778.16* | |
| | | *For Class 56 Rating, Add* | *1,031.15* | |
| 40 05 19 00-2644 | EA | 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,969.94 | 274.59 |
| | | *For Class 52 Rating, Deduct* | *-390.93* | |
| | | *For Class 54 Rating, Add* | *538.08* | |
| | | *For Class 55 Rating, Add* | *802.50* | |
| | | *For Class 56 Rating, Add* | *1,063.38* | |
| 40 05 19 00-2645 | EA | 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,083.46 | 277.82 |
| | | *For Class 52 Rating, Deduct* | *-402.88* | |
| | | *For Class 54 Rating, Add* | *554.43* | |
| | | *For Class 55 Rating, Add* | *826.85* | |
| | | *For Class 56 Rating, Add* | *1,095.60* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2646 | EA | 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,197.00 | 281.04 |
| | | *For Class 52 Rating, Deduct* | *-414.83* | |
| | | *For Class 54 Rating, Add* | *570.79* | |
| | | *For Class 55 Rating, Add* | *851.19* | |
| | | *For Class 56 Rating, Add* | *1,127.83* | |
| 40 05 19 00-2647 | EA | 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,310.53 | 284.27 |
| | | *For Class 52 Rating, Deduct* | *-426.78* | |
| | | *For Class 54 Rating, Add* | *587.14* | |
| | | *For Class 55 Rating, Add* | *875.54* | |
| | | *For Class 56 Rating, Add* | *1,160.06* | |
| 40 05 19 00-2648 | EA | 4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,424.06 | 287.48 |
| | | *For Class 52 Rating, Deduct* | *-438.73* | |
| | | *For Class 54 Rating, Add* | *603.50* | |
| | | *For Class 55 Rating, Add* | *899.88* | |
| | | *For Class 56 Rating, Add* | *1,192.28* | |
| 40 05 19 00-2649 | EA | 4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,537.58 | 290.71 |
| | | *For Class 52 Rating, Deduct* | *-450.68* | |
| | | *For Class 54 Rating, Add* | *619.85* | |
| | | *For Class 55 Rating, Add* | *924.23* | |
| | | *For Class 56 Rating, Add* | *1,224.51* | |
| 40 05 19 00-2650 | EA | 4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,651.11 | 293.94 |
| | | *For Class 52 Rating, Deduct* | *-462.63* | |
| | | *For Class 54 Rating, Add* | *636.21* | |
| | | *For Class 55 Rating, Add* | *948.57* | |
| | | *For Class 56 Rating, Add* | *1,256.73* | |
| 40 05 19 00-2651 | EA | 4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,764.64 | 297.15 |
| | | *For Class 52 Rating, Deduct* | *-474.59* | |
| | | *For Class 54 Rating, Add* | *652.56* | |
| | | *For Class 55 Rating, Add* | *972.92* | |
| | | *For Class 56 Rating, Add* | *1,288.96* | |
| 40 05 19 00-2652 | EA | 4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,878.17 | 300.38 |
| | | *For Class 52 Rating, Deduct* | *-486.54* | |
| | | *For Class 54 Rating, Add* | *668.92* | |
| | | *For Class 55 Rating, Add* | *997.27* | |
| | | *For Class 56 Rating, Add* | *1,321.19* | |
| 40 05 19 00-2653 | EA | 4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,963.11 | 303.60 |
| | | *For Class 52 Rating, Deduct* | *-495.34* | |
| | | *For Class 54 Rating, Add* | *680.99* | |
| | | *For Class 55 Rating, Add* | *1,015.23* | |
| | | *For Class 56 Rating, Add* | *1,344.98* | |
| 40 05 19 00-2654 | EA | 4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,105.23 | 306.82 |
| | | *For Class 52 Rating, Deduct* | *-510.44* | |
| | | *For Class 54 Rating, Add* | *701.63* | |
| | | *For Class 55 Rating, Add* | *1,045.96* | |
| | | *For Class 56 Rating, Add* | *1,385.64* | |

## 40 05 19 00-2655 6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2656 | EA | 6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,023.48 | 232.05 |
| | | *For Class 52 Rating, Deduct* | *-73.91* | |
| | | *For Class 54 Rating, Add* | *105.00* | |
| | | *For Class 55 Rating, Add* | *158.27* | |
| | | *For Class 56 Rating, Add* | *210.86* | |
| 40 05 19 00-2657 | EA | 6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,154.16 | 235.27 |
| | | *For Class 52 Rating, Deduct* | *-87.75* | |
| | | *For Class 54 Rating, Add* | *123.93* | |
| | | *For Class 55 Rating, Add* | *186.44* | |
| | | *For Class 56 Rating, Add* | *248.15* | |
| 40 05 19 00-2658 | EA | 6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,284.86 | 238.50 |
| | | *For Class 52 Rating, Deduct* | *-101.59* | |
| | | *For Class 54 Rating, Add* | *142.86* | |
| | | *For Class 55 Rating, Add* | *214.61* | |
| | | *For Class 56 Rating, Add* | *285.44* | |
| 40 05 19 00-2659 | EA | 6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,415.54 | 241.71 |
| | | *For Class 52 Rating, Deduct* | *-115.42* | |
| | | *For Class 54 Rating, Add* | *161.79* | |
| | | *For Class 55 Rating, Add* | *242.78* | |
| | | *For Class 56 Rating, Add* | *322.73* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2660 | EA | 6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,546.22 | 244.94 |
| | | *For Class 52 Rating, Deduct* | *-129.26* | |
| | | *For Class 54 Rating, Add* | *180.72* | |
| | | *For Class 55 Rating, Add* | *270.95* | |
| | | *For Class 56 Rating, Add* | *360.01* | |
| 40 05 19 00-2661 | EA | 6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,676.91 | 248.17 |
| | | *For Class 52 Rating, Deduct* | *-143.10* | |
| | | *For Class 54 Rating, Add* | *199.65* | |
| | | *For Class 55 Rating, Add* | *299.12* | |
| | | *For Class 56 Rating, Add* | *397.30* | |
| 40 05 19 00-2662 | EA | 6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,807.59 | 251.39 |
| | | *For Class 52 Rating, Deduct* | *-156.94* | |
| | | *For Class 54 Rating, Add* | *218.58* | |
| | | *For Class 55 Rating, Add* | *327.30* | |
| | | *For Class 56 Rating, Add* | *434.59* | |
| 40 05 19 00-2663 | EA | 6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,938.28 | 254.61 |
| | | *For Class 52 Rating, Deduct* | *-170.78* | |
| | | *For Class 54 Rating, Add* | *237.50* | |
| | | *For Class 55 Rating, Add* | *355.47* | |
| | | *For Class 56 Rating, Add* | *471.88* | |
| 40 05 19 00-2664 | EA | 6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,068.95 | 257.83 |
| | | *For Class 52 Rating, Deduct* | *-184.61* | |
| | | *For Class 54 Rating, Add* | *256.43* | |
| | | *For Class 55 Rating, Add* | *383.64* | |
| | | *For Class 56 Rating, Add* | *509.16* | |
| 40 05 19 00-2665 | EA | 6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,199.63 | 261.06 |
| | | *For Class 52 Rating, Deduct* | *-198.45* | |
| | | *For Class 54 Rating, Add* | *275.36* | |
| | | *For Class 55 Rating, Add* | *411.81* | |
| | | *For Class 56 Rating, Add* | *546.45* | |
| 40 05 19 00-2666 | EA | 6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,330.33 | 264.28 |
| | | *For Class 52 Rating, Deduct* | *-212.29* | |
| | | *For Class 54 Rating, Add* | *294.29* | |
| | | *For Class 55 Rating, Add* | *439.98* | |
| | | *For Class 56 Rating, Add* | *583.74* | |
| 40 05 19 00-2667 | EA | 6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,461.01 | 267.50 |
| | | *For Class 52 Rating, Deduct* | *-226.13* | |
| | | *For Class 54 Rating, Add* | *313.22* | |
| | | *For Class 55 Rating, Add* | *468.15* | |
| | | *For Class 56 Rating, Add* | *621.03* | |
| 40 05 19 00-2668 | EA | 6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,591.70 | 270.73 |
| | | *For Class 52 Rating, Deduct* | *-239.97* | |
| | | *For Class 54 Rating, Add* | *332.15* | |
| | | *For Class 55 Rating, Add* | *496.32* | |
| | | *For Class 56 Rating, Add* | *658.31* | |
| 40 05 19 00-2669 | EA | 6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,722.38 | 273.94 |
| | | *For Class 52 Rating, Deduct* | *-253.80* | |
| | | *For Class 54 Rating, Add* | *351.08* | |
| | | *For Class 55 Rating, Add* | *524.49* | |
| | | *For Class 56 Rating, Add* | *695.60* | |
| 40 05 19 00-2670 | EA | 6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,853.06 | 277.17 |
| | | *For Class 52 Rating, Deduct* | *-267.64* | |
| | | *For Class 54 Rating, Add* | *370.01* | |
| | | *For Class 55 Rating, Add* | *552.66* | |
| | | *For Class 56 Rating, Add* | *732.89* | |
| 40 05 19 00-2671 | EA | 6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,983.75 | 280.40 |
| | | *For Class 52 Rating, Deduct* | *-281.48* | |
| | | *For Class 54 Rating, Add* | *388.93* | |
| | | *For Class 55 Rating, Add* | *580.83* | |
| | | *For Class 56 Rating, Add* | *770.17* | |
| 40 05 19 00-2672 | EA | 6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,114.43 | 283.61 |
| | | *For Class 52 Rating, Deduct* | *-295.32* | |
| | | *For Class 54 Rating, Add* | *407.86* | |
| | | *For Class 55 Rating, Add* | *609.00* | |
| | | *For Class 56 Rating, Add* | *807.46* | |
| 40 05 19 00-2673 | EA | 6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,245.13 | 286.84 |
| | | *For Class 52 Rating, Deduct* | *-309.16* | |
| | | *For Class 54 Rating, Add* | *426.79* | |
| | | *For Class 55 Rating, Add* | *637.18* | |
| | | *For Class 56 Rating, Add* | *844.75* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2674 | EA | 6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,375.81 | 290.06 |
| | | *For Class 52 Rating, Deduct* | *-323.00* | |
| | | *For Class 54 Rating, Add* | *445.72* | |
| | | *For Class 55 Rating, Add* | *665.35* | |
| | | *For Class 56 Rating, Add* | *882.04* | |
| 40 05 19 00-2675 | EA | 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,506.49 | 293.28 |
| | | *For Class 52 Rating, Deduct* | *-336.83* | |
| | | *For Class 54 Rating, Add* | *464.65* | |
| | | *For Class 55 Rating, Add* | *693.52* | |
| | | *For Class 56 Rating, Add* | *919.32* | |
| 40 05 19 00-2676 | EA | 6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,637.17 | 296.51 |
| | | *For Class 52 Rating, Deduct* | *-350.67* | |
| | | *For Class 54 Rating, Add* | *483.58* | |
| | | *For Class 55 Rating, Add* | *721.69* | |
| | | *For Class 56 Rating, Add* | *956.61* | |
| 40 05 19 00-2677 | EA | 6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,767.85 | 299.73 |
| | | *For Class 52 Rating, Deduct* | *-364.51* | |
| | | *For Class 54 Rating, Add* | *502.51* | |
| | | *For Class 55 Rating, Add* | *749.86* | |
| | | *For Class 56 Rating, Add* | *993.90* | |
| 40 05 19 00-2678 | EA | 6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,898.54 | 302.96 |
| | | *For Class 52 Rating, Deduct* | *-378.35* | |
| | | *For Class 54 Rating, Add* | *521.44* | |
| | | *For Class 55 Rating, Add* | *778.03* | |
| | | *For Class 56 Rating, Add* | *1,031.18* | |
| 40 05 19 00-2679 | EA | 6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,029.22 | 306.17 |
| | | *For Class 52 Rating, Deduct* | *-392.19* | |
| | | *For Class 54 Rating, Add* | *540.36* | |
| | | *For Class 55 Rating, Add* | *806.20* | |
| | | *For Class 56 Rating, Add* | *1,068.47* | |
| 40 05 19 00-2680 | EA | 6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,159.90 | 309.40 |
| | | *For Class 52 Rating, Deduct* | *-406.02* | |
| | | *For Class 54 Rating, Add* | *559.29* | |
| | | *For Class 55 Rating, Add* | *834.37* | |
| | | *For Class 56 Rating, Add* | *1,105.76* | |
| 40 05 19 00-2681 | EA | 6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,290.60 | 312.63 |
| | | *For Class 52 Rating, Deduct* | *-419.86* | |
| | | *For Class 54 Rating, Add* | *578.22* | |
| | | *For Class 55 Rating, Add* | *862.54* | |
| | | *For Class 56 Rating, Add* | *1,143.05* | |
| 40 05 19 00-2682 | EA | 6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,421.28 | 315.84 |
| | | *For Class 52 Rating, Deduct* | *-433.70* | |
| | | *For Class 54 Rating, Add* | *597.15* | |
| | | *For Class 55 Rating, Add* | *890.71* | |
| | | *For Class 56 Rating, Add* | *1,180.33* | |
| 40 05 19 00-2683 | EA | 6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,551.97 | 319.07 |
| | | *For Class 52 Rating, Deduct* | *-447.54* | |
| | | *For Class 54 Rating, Add* | *616.08* | |
| | | *For Class 55 Rating, Add* | *918.88* | |
| | | *For Class 56 Rating, Add* | *1,217.62* | |
| 40 05 19 00-2684 | EA | 6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,682.65 | 322.29 |
| | | *For Class 52 Rating, Deduct* | *-461.38* | |
| | | *For Class 54 Rating, Add* | *635.01* | |
| | | *For Class 55 Rating, Add* | *947.06* | |
| | | *For Class 56 Rating, Add* | *1,254.91* | |
| 40 05 19 00-2685 | EA | 6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,813.33 | 325.51 |
| | | *For Class 52 Rating, Deduct* | *-475.21* | |
| | | *For Class 54 Rating, Add* | *653.94* | |
| | | *For Class 55 Rating, Add* | *975.23* | |
| | | *For Class 56 Rating, Add* | *1,292.19* | |
| 40 05 19 00-2686 | EA | 6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,944.02 | 328.74 |
| | | *For Class 52 Rating, Deduct* | *-489.05* | |
| | | *For Class 54 Rating, Add* | *672.87* | |
| | | *For Class 55 Rating, Add* | *1,003.40* | |
| | | *For Class 56 Rating, Add* | *1,329.48* | |
| 40 05 19 00-2687 | EA | 6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,074.70 | 331.96 |
| | | *For Class 52 Rating, Deduct* | *-502.89* | |
| | | *For Class 54 Rating, Add* | *691.80* | |
| | | *For Class 55 Rating, Add* | *1,031.57* | |
| | | *For Class 56 Rating, Add* | *1,366.77* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2688 | EA | 6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,205.39 | 335.18 |
| | | *For Class 52 Rating, Deduct* | *-516.73* | |
| | | *For Class 54 Rating, Add* | *710.72* | |
| | | *For Class 55 Rating, Add* | *1,059.74* | |
| | | *For Class 56 Rating, Add* | *1,404.05* | |
| 40 05 19 00-2689 | EA | 6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,336.07 | 338.40 |
| | | *For Class 52 Rating, Deduct* | *-530.57* | |
| | | *For Class 54 Rating, Add* | *729.65* | |
| | | *For Class 55 Rating, Add* | *1,087.91* | |
| | | *For Class 56 Rating, Add* | *1,441.34* | |
| 40 05 19 00-2690 | EA | 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,466.75 | 341.63 |
| | | *For Class 52 Rating, Deduct* | *-544.41* | |
| | | *For Class 54 Rating, Add* | *748.58* | |
| | | *For Class 55 Rating, Add* | *1,116.08* | |
| | | *For Class 56 Rating, Add* | *1,478.63* | |
| 40 05 19 00-2691 | EA | 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,597.44 | 344.85 |
| | | *For Class 52 Rating, Deduct* | *-558.24* | |
| | | *For Class 54 Rating, Add* | *767.51* | |
| | | *For Class 55 Rating, Add* | *1,144.25* | |
| | | *For Class 56 Rating, Add* | *1,515.92* | |
| 40 05 19 00-2692 | EA | 6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,728.12 | 348.07 |
| | | *For Class 52 Rating, Deduct* | *-572.08* | |
| | | *For Class 54 Rating, Add* | *786.44* | |
| | | *For Class 55 Rating, Add* | *1,172.42* | |
| | | *For Class 56 Rating, Add* | *1,553.20* | |
| 40 05 19 00-2693 | EA | 6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,858.81 | 351.30 |
| | | *For Class 52 Rating, Deduct* | *-585.92* | |
| | | *For Class 54 Rating, Add* | *805.37* | |
| | | *For Class 55 Rating, Add* | *1,200.59* | |
| | | *For Class 56 Rating, Add* | *1,590.49* | |
| 40 05 19 00-2694 | EA | 6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,989.49 | 354.51 |
| | | *For Class 52 Rating, Deduct* | *-599.76* | |
| | | *For Class 54 Rating, Add* | *824.30* | |
| | | *For Class 55 Rating, Add* | *1,228.76* | |
| | | *For Class 56 Rating, Add* | *1,627.78* | |

## 40 05 19 00-2695 8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2696 | EA | 8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,404.20 | 296.51 |
| | | *For Class 52 Rating, Deduct* | *-105.04* | |
| | | *For Class 54 Rating, Add* | *148.63* | |
| | | *For Class 55 Rating, Add* | *223.74* | |
| | | *For Class 56 Rating, Add* | *297.88* | |
| 40 05 19 00-2697 | EA | 8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,572.05 | 299.73 |
| | | *For Class 52 Rating, Deduct* | *-122.97* | |
| | | *For Class 54 Rating, Add* | *173.14* | |
| | | *For Class 55 Rating, Add* | *260.20* | |
| | | *For Class 56 Rating, Add* | *346.14* | |
| 40 05 19 00-2698 | EA | 8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,739.91 | 302.96 |
| | | *For Class 52 Rating, Deduct* | *-140.90* | |
| | | *For Class 54 Rating, Add* | *197.64* | |
| | | *For Class 55 Rating, Add* | *296.65* | |
| | | *For Class 56 Rating, Add* | *394.39* | |
| 40 05 19 00-2699 | EA | 8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,907.76 | 306.17 |
| | | *For Class 52 Rating, Deduct* | *-158.82* | |
| | | *For Class 54 Rating, Add* | *222.15* | |
| | | *For Class 55 Rating, Add* | *333.11* | |
| | | *For Class 56 Rating, Add* | *442.64* | |
| 40 05 19 00-2700 | EA | 8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,075.61 | 309.40 |
| | | *For Class 52 Rating, Deduct* | *-176.75* | |
| | | *For Class 54 Rating, Add* | *246.65* | |
| | | *For Class 55 Rating, Add* | *369.57* | |
| | | *For Class 56 Rating, Add* | *490.89* | |
| 40 05 19 00-2701 | EA | 8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,243.47 | 312.63 |
| | | *For Class 52 Rating, Deduct* | *-194.68* | |
| | | *For Class 54 Rating, Add* | *271.15* | |
| | | *For Class 55 Rating, Add* | *406.03* | |
| | | *For Class 56 Rating, Add* | *539.14* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2702 | EA | 8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,411.32 | 315.84 |
| | | *For Class 52 Rating, Deduct* | *-212.60* | |
| | | *For Class 54 Rating, Add* | *295.66* | |
| | | *For Class 55 Rating, Add* | *442.49* | |
| | | *For Class 56 Rating, Add* | *587.39* | |
| 40 05 19 00-2703 | EA | 8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,579.18 | 319.07 |
| | | *For Class 52 Rating, Deduct* | *-230.53* | |
| | | *For Class 54 Rating, Add* | *320.16* | |
| | | *For Class 55 Rating, Add* | *478.95* | |
| | | *For Class 56 Rating, Add* | *635.65* | |
| 40 05 19 00-2704 | EA | 8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,747.02 | 322.29 |
| | | *For Class 52 Rating, Deduct* | *-248.46* | |
| | | *For Class 54 Rating, Add* | *344.66* | |
| | | *For Class 55 Rating, Add* | *515.41* | |
| | | *For Class 56 Rating, Add* | *683.90* | |
| 40 05 19 00-2705 | EA | 8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,914.87 | 325.51 |
| | | *For Class 52 Rating, Deduct* | *-266.38* | |
| | | *For Class 54 Rating, Add* | *369.17* | |
| | | *For Class 55 Rating, Add* | *551.87* | |
| | | *For Class 56 Rating, Add* | *732.15* | |
| 40 05 19 00-2706 | EA | 8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,082.73 | 328.74 |
| | | *For Class 52 Rating, Deduct* | *-284.31* | |
| | | *For Class 54 Rating, Add* | *393.67* | |
| | | *For Class 55 Rating, Add* | *588.33* | |
| | | *For Class 56 Rating, Add* | *780.40* | |
| 40 05 19 00-2707 | EA | 8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,250.58 | 331.96 |
| | | *For Class 52 Rating, Deduct* | *-302.24* | |
| | | *For Class 54 Rating, Add* | *418.18* | |
| | | *For Class 55 Rating, Add* | *624.79* | |
| | | *For Class 56 Rating, Add* | *828.65* | |
| 40 05 19 00-2708 | EA | 8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,418.44 | 335.18 |
| | | *For Class 52 Rating, Deduct* | *-320.16* | |
| | | *For Class 54 Rating, Add* | *442.68* | |
| | | *For Class 55 Rating, Add* | *661.25* | |
| | | *For Class 56 Rating, Add* | *876.90* | |
| 40 05 19 00-2709 | EA | 8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,586.28 | 338.40 |
| | | *For Class 52 Rating, Deduct* | *-338.09* | |
| | | *For Class 54 Rating, Add* | *467.19* | |
| | | *For Class 55 Rating, Add* | *697.71* | |
| | | *For Class 56 Rating, Add* | *925.16* | |
| 40 05 19 00-2710 | EA | 8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,754.13 | 341.63 |
| | | *For Class 52 Rating, Deduct* | *-356.02* | |
| | | *For Class 54 Rating, Add* | *491.69* | |
| | | *For Class 55 Rating, Add* | *734.17* | |
| | | *For Class 56 Rating, Add* | *973.41* | |
| 40 05 19 00-2711 | EA | 8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,921.99 | 344.85 |
| | | *For Class 52 Rating, Deduct* | *-373.94* | |
| | | *For Class 54 Rating, Add* | *516.19* | |
| | | *For Class 55 Rating, Add* | *770.63* | |
| | | *For Class 56 Rating, Add* | *1,021.66* | |
| 40 05 19 00-2712 | EA | 8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,089.84 | 348.07 |
| | | *For Class 52 Rating, Deduct* | *-391.87* | |
| | | *For Class 54 Rating, Add* | *540.70* | |
| | | *For Class 55 Rating, Add* | *807.09* | |
| | | *For Class 56 Rating, Add* | *1,069.91* | |
| 40 05 19 00-2713 | EA | 8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,257.70 | 351.30 |
| | | *For Class 52 Rating, Deduct* | *-409.80* | |
| | | *For Class 54 Rating, Add* | *565.20* | |
| | | *For Class 55 Rating, Add* | *843.55* | |
| | | *For Class 56 Rating, Add* | *1,118.16* | |
| 40 05 19 00-2714 | EA | 8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,425.55 | 354.51 |
| | | *For Class 52 Rating, Deduct* | *-427.72* | |
| | | *For Class 54 Rating, Add* | *589.71* | |
| | | *For Class 55 Rating, Add* | *880.00* | |
| | | *For Class 56 Rating, Add* | *1,166.42* | |
| 40 05 19 00-2715 | EA | 8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,593.40 | 357.74 |
| | | *For Class 52 Rating, Deduct* | *-445.65* | |
| | | *For Class 54 Rating, Add* | *614.21* | |
| | | *For Class 55 Rating, Add* | *916.46* | |
| | | *For Class 56 Rating, Add* | *1,214.67* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2716 | EA | 8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,761.26 | 360.97 |
| | | *For Class 52 Rating, Deduct* | *-463.58* | |
| | | *For Class 54 Rating, Add* | *638.71* | |
| | | *For Class 55 Rating, Add* | *952.92* | |
| | | *For Class 56 Rating, Add* | *1,262.92* | |
| 40 05 19 00-2717 | EA | 8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,929.11 | 364.19 |
| | | *For Class 52 Rating, Deduct* | *-481.50* | |
| | | *For Class 54 Rating, Add* | *663.22* | |
| | | *For Class 55 Rating, Add* | *989.38* | |
| | | *For Class 56 Rating, Add* | *1,311.17* | |
| 40 05 19 00-2718 | EA | 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,096.97 | 367.41 |
| | | *For Class 52 Rating, Deduct* | *-499.43* | |
| | | *For Class 54 Rating, Add* | *687.72* | |
| | | *For Class 55 Rating, Add* | *1,025.84* | |
| | | *For Class 56 Rating, Add* | *1,359.42* | |
| 40 05 19 00-2719 | EA | 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,264.82 | 370.63 |
| | | *For Class 52 Rating, Deduct* | *-517.36* | |
| | | *For Class 54 Rating, Add* | *712.23* | |
| | | *For Class 55 Rating, Add* | *1,062.30* | |
| | | *For Class 56 Rating, Add* | *1,407.68* | |
| 40 05 19 00-2720 | EA | 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,432.67 | 373.86 |
| | | *For Class 52 Rating, Deduct* | *-535.28* | |
| | | *For Class 54 Rating, Add* | *736.73* | |
| | | *For Class 55 Rating, Add* | *1,098.76* | |
| | | *For Class 56 Rating, Add* | *1,455.93* | |
| 40 05 19 00-2721 | EA | 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,600.52 | 377.08 |
| | | *For Class 52 Rating, Deduct* | *-553.21* | |
| | | *For Class 54 Rating, Add* | *761.23* | |
| | | *For Class 55 Rating, Add* | *1,135.22* | |
| | | *For Class 56 Rating, Add* | *1,504.18* | |
| 40 05 19 00-2722 | EA | 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,768.37 | 380.30 |
| | | *For Class 52 Rating, Deduct* | *-571.14* | |
| | | *For Class 54 Rating, Add* | *785.74* | |
| | | *For Class 55 Rating, Add* | *1,171.68* | |
| | | *For Class 56 Rating, Add* | *1,552.43* | |
| 40 05 19 00-2723 | EA | 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,936.23 | 383.53 |
| | | *For Class 52 Rating, Deduct* | *-589.06* | |
| | | *For Class 54 Rating, Add* | *810.24* | |
| | | *For Class 55 Rating, Add* | *1,208.14* | |
| | | *For Class 56 Rating, Add* | *1,600.68* | |
| 40 05 19 00-2724 | EA | 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,104.08 | 386.75 |
| | | *For Class 52 Rating, Deduct* | *-606.99* | |
| | | *For Class 54 Rating, Add* | *834.75* | |
| | | *For Class 55 Rating, Add* | *1,244.60* | |
| | | *For Class 56 Rating, Add* | *1,648.93* | |
| 40 05 19 00-2725 | EA | 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,271.93 | 389.97 |
| | | *For Class 52 Rating, Deduct* | *-624.92* | |
| | | *For Class 54 Rating, Add* | *859.25* | |
| | | *For Class 55 Rating, Add* | *1,281.06* | |
| | | *For Class 56 Rating, Add* | *1,697.19* | |
| 40 05 19 00-2726 | EA | 8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,439.79 | 393.20 |
| | | *For Class 52 Rating, Deduct* | *-642.84* | |
| | | *For Class 54 Rating, Add* | *883.76* | |
| | | *For Class 55 Rating, Add* | *1,317.52* | |
| | | *For Class 56 Rating, Add* | *1,745.44* | |
| 40 05 19 00-2727 | EA | 8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,607.64 | 396.41 |
| | | *For Class 52 Rating, Deduct* | *-660.77* | |
| | | *For Class 54 Rating, Add* | *908.26* | |
| | | *For Class 55 Rating, Add* | *1,353.98* | |
| | | *For Class 56 Rating, Add* | *1,793.69* | |
| 40 05 19 00-2728 | EA | 8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,775.50 | 399.64 |
| | | *For Class 52 Rating, Deduct* | *-678.70* | |
| | | *For Class 54 Rating, Add* | *932.76* | |
| | | *For Class 55 Rating, Add* | *1,390.44* | |
| | | *For Class 56 Rating, Add* | *1,841.94* | |
| 40 05 19 00-2729 | EA | 8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,943.35 | 402.87 |
| | | *For Class 52 Rating, Deduct* | *-696.62* | |
| | | *For Class 54 Rating, Add* | *957.27* | |
| | | *For Class 55 Rating, Add* | *1,426.90* | |
| | | *For Class 56 Rating, Add* | *1,890.19* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2730 | EA | 8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,111.20 | 406.08 |
| | | *For Class 52 Rating, Deduct* | *-714.55* | |
| | | *For Class 54 Rating, Add* | *981.77* | |
| | | *For Class 55 Rating, Add* | *1,463.36* | |
| | | *For Class 56 Rating, Add* | *1,938.45* | |
| 40 05 19 00-2731 | EA | 8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,279.06 | 409.31 |
| | | *For Class 52 Rating, Deduct* | *-732.48* | |
| | | *For Class 54 Rating, Add* | *1,006.28* | |
| | | *For Class 55 Rating, Add* | *1,499.82* | |
| | | *For Class 56 Rating, Add* | *1,986.70* | |
| 40 05 19 00-2732 | EA | 8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,446.91 | 412.53 |
| | | *For Class 52 Rating, Deduct* | *-750.40* | |
| | | *For Class 54 Rating, Add* | *1,030.78* | |
| | | *For Class 55 Rating, Add* | *1,536.28* | |
| | | *For Class 56 Rating, Add* | *2,034.95* | |
| 40 05 19 00-2733 | EA | 8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,614.76 | 415.76 |
| | | *For Class 52 Rating, Deduct* | *-768.33* | |
| | | *For Class 54 Rating, Add* | *1,055.28* | |
| | | *For Class 55 Rating, Add* | *1,572.74* | |
| | | *For Class 56 Rating, Add* | *2,083.20* | |
| 40 05 19 00-2734 | EA | 8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,782.61 | 418.98 |
| | | *For Class 52 Rating, Deduct* | *-786.26* | |
| | | *For Class 54 Rating, Add* | *1,079.79* | |
| | | *For Class 55 Rating, Add* | *1,609.19* | |
| | | *For Class 56 Rating, Add* | *2,131.45* | |

## 40 05 19 00-2735 10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2736 | EA | 10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,764.91 | 360.97 |
| | | *For Class 52 Rating, Deduct* | *-133.98* | |
| | | *For Class 54 Rating, Add* | *189.26* | |
| | | *For Class 55 Rating, Add* | *284.74* | |
| | | *For Class 56 Rating, Add* | *379.00* | |
| 40 05 19 00-2737 | EA | 10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,981.36 | 364.19 |
| | | *For Class 52 Rating, Deduct* | *-157.25* | |
| | | *For Class 54 Rating, Add* | *221.06* | |
| | | *For Class 55 Rating, Add* | *332.04* | |
| | | *For Class 56 Rating, Add* | *441.59* | |
| 40 05 19 00-2738 | EA | 10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,197.82 | 367.41 |
| | | *For Class 52 Rating, Deduct* | *-180.52* | |
| | | *For Class 54 Rating, Add* | *252.85* | |
| | | *For Class 55 Rating, Add* | *379.33* | |
| | | *For Class 56 Rating, Add* | *504.17* | |
| 40 05 19 00-2739 | EA | 10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,414.28 | 370.63 |
| | | *For Class 52 Rating, Deduct* | *-203.80* | |
| | | *For Class 54 Rating, Add* | *284.65* | |
| | | *For Class 55 Rating, Add* | *426.63* | |
| | | *For Class 56 Rating, Add* | *566.77* | |
| 40 05 19 00-2740 | EA | 10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,630.73 | 373.86 |
| | | *For Class 52 Rating, Deduct* | *-227.07* | |
| | | *For Class 54 Rating, Add* | *316.44* | |
| | | *For Class 55 Rating, Add* | *473.93* | |
| | | *For Class 56 Rating, Add* | *629.35* | |
| 40 05 19 00-2741 | EA | 10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,847.19 | 377.08 |
| | | *For Class 52 Rating, Deduct* | *-250.34* | |
| | | *For Class 54 Rating, Add* | *348.23* | |
| | | *For Class 55 Rating, Add* | *521.23* | |
| | | *For Class 56 Rating, Add* | *691.95* | |
| 40 05 19 00-2742 | EA | 10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,063.64 | 380.30 |
| | | *For Class 52 Rating, Deduct* | *-273.62* | |
| | | *For Class 54 Rating, Add* | *380.03* | |
| | | *For Class 55 Rating, Add* | *568.53* | |
| | | *For Class 56 Rating, Add* | *754.54* | |
| 40 05 19 00-2743 | EA | 10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,280.11 | 383.53 |
| | | *For Class 52 Rating, Deduct* | *-296.89* | |
| | | *For Class 54 Rating, Add* | *411.82* | |
| | | *For Class 55 Rating, Add* | *615.83* | |
| | | *For Class 56 Rating, Add* | *817.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2744 | EA | 10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,496.56 | 386.75 |
| | | *For Class 52 Rating, Deduct* | *-320.16* | |
| | | *For Class 54 Rating, Add* | *443.62* | |
| | | *For Class 55 Rating, Add* | *663.12* | |
| | | *For Class 56 Rating, Add* | *879.72* | |
| 40 05 19 00-2745 | EA | 10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,713.02 | 389.97 |
| | | *For Class 52 Rating, Deduct* | *-343.44* | |
| | | *For Class 54 Rating, Add* | *475.41* | |
| | | *For Class 55 Rating, Add* | *710.42* | |
| | | *For Class 56 Rating, Add* | *942.31* | |
| 40 05 19 00-2746 | EA | 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,929.48 | 393.20 |
| | | *For Class 52 Rating, Deduct* | *-366.71* | |
| | | *For Class 54 Rating, Add* | *507.21* | |
| | | *For Class 55 Rating, Add* | *757.72* | |
| | | *For Class 56 Rating, Add* | *1,004.90* | |
| 40 05 19 00-2747 | EA | 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,145.94 | 396.41 |
| | | *For Class 52 Rating, Deduct* | *-389.98* | |
| | | *For Class 54 Rating, Add* | *539.00* | |
| | | *For Class 55 Rating, Add* | *805.02* | |
| | | *For Class 56 Rating, Add* | *1,067.49* | |
| 40 05 19 00-2748 | EA | 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,362.40 | 399.64 |
| | | *For Class 52 Rating, Deduct* | *-413.26* | |
| | | *For Class 54 Rating, Add* | *570.80* | |
| | | *For Class 55 Rating, Add* | *852.32* | |
| | | *For Class 56 Rating, Add* | *1,130.08* | |
| 40 05 19 00-2749 | EA | 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,578.86 | 402.87 |
| | | *For Class 52 Rating, Deduct* | *-436.53* | |
| | | *For Class 54 Rating, Add* | *602.59* | |
| | | *For Class 55 Rating, Add* | *899.62* | |
| | | *For Class 56 Rating, Add* | *1,192.67* | |
| 40 05 19 00-2750 | EA | 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,795.31 | 406.08 |
| | | *For Class 52 Rating, Deduct* | *-459.80* | |
| | | *For Class 54 Rating, Add* | *634.39* | |
| | | *For Class 55 Rating, Add* | *946.91* | |
| | | *For Class 56 Rating, Add* | *1,255.26* | |
| 40 05 19 00-2751 | EA | 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,011.78 | 409.31 |
| | | *For Class 52 Rating, Deduct* | *-483.08* | |
| | | *For Class 54 Rating, Add* | *666.18* | |
| | | *For Class 55 Rating, Add* | *994.21* | |
| | | *For Class 56 Rating, Add* | *1,317.85* | |
| 40 05 19 00-2752 | EA | 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,228.23 | 412.53 |
| | | *For Class 52 Rating, Deduct* | *-506.35* | |
| | | *For Class 54 Rating, Add* | *697.98* | |
| | | *For Class 55 Rating, Add* | *1,041.51* | |
| | | *For Class 56 Rating, Add* | *1,380.44* | |
| 40 05 19 00-2753 | EA | 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,444.69 | 415.76 |
| | | *For Class 52 Rating, Deduct* | *-529.62* | |
| | | *For Class 54 Rating, Add* | *729.77* | |
| | | *For Class 55 Rating, Add* | *1,088.81* | |
| | | *For Class 56 Rating, Add* | *1,443.03* | |
| 40 05 19 00-2754 | EA | 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,661.14 | 418.98 |
| | | *For Class 52 Rating, Deduct* | *-552.90* | |
| | | *For Class 54 Rating, Add* | *761.57* | |
| | | *For Class 55 Rating, Add* | *1,136.11* | |
| | | *For Class 56 Rating, Add* | *1,505.62* | |
| 40 05 19 00-2755 | EA | 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,877.60 | 422.20 |
| | | *For Class 52 Rating, Deduct* | *-576.17* | |
| | | *For Class 54 Rating, Add* | *793.36* | |
| | | *For Class 55 Rating, Add* | *1,183.41* | |
| | | *For Class 56 Rating, Add* | *1,568.21* | |
| 40 05 19 00-2756 | EA | 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,094.06 | 425.43 |
| | | *For Class 52 Rating, Deduct* | *-599.44* | |
| | | *For Class 54 Rating, Add* | *825.16* | |
| | | *For Class 55 Rating, Add* | *1,230.70* | |
| | | *For Class 56 Rating, Add* | *1,630.80* | |
| 40 05 19 00-2757 | EA | 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,310.52 | 428.64 |
| | | *For Class 52 Rating, Deduct* | *-622.72* | |
| | | *For Class 54 Rating, Add* | *856.95* | |
| | | *For Class 55 Rating, Add* | *1,278.00* | |
| | | *For Class 56 Rating, Add* | *1,693.39* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2758 | EA | 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,526.98 | 431.87 |
| | | *For Class 52 Rating, Deduct* | *-645.99* | |
| | | *For Class 54 Rating, Add* | *888.75* | |
| | | *For Class 55 Rating, Add* | *1,325.30* | |
| | | *For Class 56 Rating, Add* | *1,755.98* | |
| 40 05 19 00-2759 | EA | 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,743.44 | 435.10 |
| | | *For Class 52 Rating, Deduct* | *-669.26* | |
| | | *For Class 54 Rating, Add* | *920.54* | |
| | | *For Class 55 Rating, Add* | *1,372.60* | |
| | | *For Class 56 Rating, Add* | *1,818.57* | |
| 40 05 19 00-2760 | EA | 10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,959.89 | 438.31 |
| | | *For Class 52 Rating, Deduct* | *-692.54* | |
| | | *For Class 54 Rating, Add* | *952.34* | |
| | | *For Class 55 Rating, Add* | *1,419.90* | |
| | | *For Class 56 Rating, Add* | *1,881.16* | |
| 40 05 19 00-2761 | EA | 10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,176.36 | 441.54 |
| | | *For Class 52 Rating, Deduct* | *-715.81* | |
| | | *For Class 54 Rating, Add* | *984.13* | |
| | | *For Class 55 Rating, Add* | *1,467.20* | |
| | | *For Class 56 Rating, Add* | *1,943.76* | |
| 40 05 19 00-2762 | EA | 10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,392.81 | 444.76 |
| | | *For Class 52 Rating, Deduct* | *-739.08* | |
| | | *For Class 54 Rating, Add* | *1,015.93* | |
| | | *For Class 55 Rating, Add* | *1,514.49* | |
| | | *For Class 56 Rating, Add* | *2,006.34* | |
| 40 05 19 00-2763 | EA | 10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,609.28 | 447.98 |
| | | *For Class 52 Rating, Deduct* | *-762.36* | |
| | | *For Class 54 Rating, Add* | *1,047.72* | |
| | | *For Class 55 Rating, Add* | *1,561.79* | |
| | | *For Class 56 Rating, Add* | *2,068.94* | |
| 40 05 19 00-2764 | EA | 10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,825.73 | 451.21 |
| | | *For Class 52 Rating, Deduct* | *-785.63* | |
| | | *For Class 54 Rating, Add* | *1,079.52* | |
| | | *For Class 55 Rating, Add* | *1,609.09* | |
| | | *For Class 56 Rating, Add* | *2,131.53* | |
| 40 05 19 00-2765 | EA | 10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,042.19 | 454.43 |
| | | *For Class 52 Rating, Deduct* | *-808.90* | |
| | | *For Class 54 Rating, Add* | *1,111.31* | |
| | | *For Class 55 Rating, Add* | *1,656.39* | |
| | | *For Class 56 Rating, Add* | *2,194.12* | |
| 40 05 19 00-2766 | EA | 10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,258.64 | 457.65 |
| | | *For Class 52 Rating, Deduct* | *-832.18* | |
| | | *For Class 54 Rating, Add* | *1,143.11* | |
| | | *For Class 55 Rating, Add* | *1,703.69* | |
| | | *For Class 56 Rating, Add* | *2,256.71* | |
| 40 05 19 00-2767 | EA | 10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,475.10 | 460.87 |
| | | *For Class 52 Rating, Deduct* | *-855.45* | |
| | | *For Class 54 Rating, Add* | *1,174.90* | |
| | | *For Class 55 Rating, Add* | *1,750.99* | |
| | | *For Class 56 Rating, Add* | *2,319.30* | |
| 40 05 19 00-2768 | EA | 10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,691.56 | 464.10 |
| | | *For Class 52 Rating, Deduct* | *-878.72* | |
| | | *For Class 54 Rating, Add* | *1,206.70* | |
| | | *For Class 55 Rating, Add* | *1,798.29* | |
| | | *For Class 56 Rating, Add* | *2,381.89* | |
| 40 05 19 00-2769 | EA | 10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,908.02 | 467.32 |
| | | *For Class 52 Rating, Deduct* | *-902.00* | |
| | | *For Class 54 Rating, Add* | *1,238.49* | |
| | | *For Class 55 Rating, Add* | *1,845.58* | |
| | | *For Class 56 Rating, Add* | *2,444.48* | |
| 40 05 19 00-2770 | EA | 10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,124.47 | 470.54 |
| | | *For Class 52 Rating, Deduct* | *-925.27* | |
| | | *For Class 54 Rating, Add* | *1,270.28* | |
| | | *For Class 55 Rating, Add* | *1,892.88* | |
| | | *For Class 56 Rating, Add* | *2,507.07* | |
| 40 05 19 00-2771 | EA | 10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,340.94 | 473.77 |
| | | *For Class 52 Rating, Deduct* | *-948.54* | |
| | | *For Class 54 Rating, Add* | *1,302.08* | |
| | | *For Class 55 Rating, Add* | *1,940.18* | |
| | | *For Class 56 Rating, Add* | *2,569.66* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2772 | EA | 10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,557.39 | 476.99 |
| | | *For Class 52 Rating, Deduct* | *-971.81* | |
| | | *For Class 54 Rating, Add* | *1,333.87* | |
| | | *For Class 55 Rating, Add* | *1,987.48* | |
| | | *For Class 56 Rating, Add* | *2,632.25* | |
| 40 05 19 00-2773 | EA | 10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,773.86 | 480.21 |
| | | *For Class 52 Rating, Deduct* | *-995.09* | |
| | | *For Class 54 Rating, Add* | *1,365.67* | |
| | | *For Class 55 Rating, Add* | *2,034.78* | |
| | | *For Class 56 Rating, Add* | *2,694.84* | |
| 40 05 19 00-2774 | EA | 10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,990.31 | 483.44 |
| | | *For Class 52 Rating, Deduct* | *-1,018.36* | |
| | | *For Class 54 Rating, Add* | *1,397.46* | |
| | | *For Class 55 Rating, Add* | *2,082.08* | |
| | | *For Class 56 Rating, Add* | *2,757.43* | |
| **40 05 19 00-2775** | | **12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2614)* | | |
| 40 05 19 00-2776 | EA | 12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,284.76 | 451.21 |
| | | *For Class 52 Rating, Deduct* | *-176.12* | |
| | | *For Class 54 Rating, Add* | *248.37* | |
| | | *For Class 55 Rating, Add* | *373.46* | |
| | | *For Class 56 Rating, Add* | *496.94* | |
| 40 05 19 00-2777 | EA | 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,552.68 | 454.43 |
| | | *For Class 52 Rating, Deduct* | *-205.06* | |
| | | *For Class 54 Rating, Add* | *287.88* | |
| | | *For Class 55 Rating, Add* | *432.23* | |
| | | *For Class 56 Rating, Add* | *574.71* | |
| 40 05 19 00-2778 | EA | 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,820.60 | 457.65 |
| | | *For Class 52 Rating, Deduct* | *-233.99* | |
| | | *For Class 54 Rating, Add* | *327.40* | |
| | | *For Class 55 Rating, Add* | *491.01* | |
| | | *For Class 56 Rating, Add* | *652.48* | |
| 40 05 19 00-2779 | EA | 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,088.51 | 460.87 |
| | | *For Class 52 Rating, Deduct* | *-262.92* | |
| | | *For Class 54 Rating, Add* | *366.91* | |
| | | *For Class 55 Rating, Add* | *549.78* | |
| | | *For Class 56 Rating, Add* | *730.25* | |
| 40 05 19 00-2780 | EA | 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,356.44 | 464.10 |
| | | *For Class 52 Rating, Deduct* | *-291.86* | |
| | | *For Class 54 Rating, Add* | *406.43* | |
| | | *For Class 55 Rating, Add* | *608.55* | |
| | | *For Class 56 Rating, Add* | *808.03* | |
| 40 05 19 00-2781 | EA | 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,624.36 | 467.32 |
| | | *For Class 52 Rating, Deduct* | *-320.79* | |
| | | *For Class 54 Rating, Add* | *445.94* | |
| | | *For Class 55 Rating, Add* | *667.33* | |
| | | *For Class 56 Rating, Add* | *885.80* | |
| 40 05 19 00-2782 | EA | 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,892.28 | 470.54 |
| | | *For Class 52 Rating, Deduct* | *-349.73* | |
| | | *For Class 54 Rating, Add* | *485.46* | |
| | | *For Class 55 Rating, Add* | *726.10* | |
| | | *For Class 56 Rating, Add* | *963.57* | |
| 40 05 19 00-2783 | EA | 12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,160.21 | 473.77 |
| | | *For Class 52 Rating, Deduct* | *-378.66* | |
| | | *For Class 54 Rating, Add* | *524.97* | |
| | | *For Class 55 Rating, Add* | *784.88* | |
| | | *For Class 56 Rating, Add* | *1,041.34* | |
| 40 05 19 00-2784 | EA | 12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,428.13 | 476.99 |
| | | *For Class 52 Rating, Deduct* | *-407.60* | |
| | | *For Class 54 Rating, Add* | *564.49* | |
| | | *For Class 55 Rating, Add* | *843.65* | |
| | | *For Class 56 Rating, Add* | *1,119.12* | |
| 40 05 19 00-2785 | EA | 12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,696.06 | 480.21 |
| | | *For Class 52 Rating, Deduct* | *-436.53* | |
| | | *For Class 54 Rating, Add* | *604.00* | |
| | | *For Class 55 Rating, Add* | *902.43* | |
| | | *For Class 56 Rating, Add* | *1,196.89* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2786 | EA | 12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,963.98 | 483.44 |
| | | *For Class 52 Rating, Deduct* | *-465.47* | |
| | | *For Class 54 Rating, Add* | *643.51* | |
| | | *For Class 55 Rating, Add* | *961.20* | |
| | | *For Class 56 Rating, Add* | *1,274.66* | |
| 40 05 19 00-2787 | EA | 12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,231.90 | 486.66 |
| | | *For Class 52 Rating, Deduct* | *-494.40* | |
| | | *For Class 54 Rating, Add* | *683.03* | |
| | | *For Class 55 Rating, Add* | *1,019.98* | |
| | | *For Class 56 Rating, Add* | *1,352.43* | |
| 40 05 19 00-2788 | EA | 12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,499.83 | 489.88 |
| | | *For Class 52 Rating, Deduct* | *-523.33* | |
| | | *For Class 54 Rating, Add* | *722.54* | |
| | | *For Class 55 Rating, Add* | *1,078.75* | |
| | | *For Class 56 Rating, Add* | *1,430.21* | |
| 40 05 19 00-2789 | EA | 12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,767.74 | 493.10 |
| | | *For Class 52 Rating, Deduct* | *-552.27* | |
| | | *For Class 54 Rating, Add* | *762.06* | |
| | | *For Class 55 Rating, Add* | *1,137.53* | |
| | | *For Class 56 Rating, Add* | *1,507.98* | |
| 40 05 19 00-2790 | EA | 12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,035.66 | 496.33 |
| | | *For Class 52 Rating, Deduct* | *-581.20* | |
| | | *For Class 54 Rating, Add* | *801.57* | |
| | | *For Class 55 Rating, Add* | *1,196.30* | |
| | | *For Class 56 Rating, Add* | *1,585.75* | |
| 40 05 19 00-2791 | EA | 12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,303.58 | 499.55 |
| | | *For Class 52 Rating, Deduct* | *-610.14* | |
| | | *For Class 54 Rating, Add* | *841.09* | |
| | | *For Class 55 Rating, Add* | *1,255.08* | |
| | | *For Class 56 Rating, Add* | *1,663.52* | |
| 40 05 19 00-2792 | EA | 12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,571.50 | 502.77 |
| | | *For Class 52 Rating, Deduct* | *-639.07* | |
| | | *For Class 54 Rating, Add* | *880.60* | |
| | | *For Class 55 Rating, Add* | *1,313.85* | |
| | | *For Class 56 Rating, Add* | *1,741.29* | |
| 40 05 19 00-2793 | EA | 12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,839.43 | 506.00 |
| | | *For Class 52 Rating, Deduct* | *-668.00* | |
| | | *For Class 54 Rating, Add* | *920.12* | |
| | | *For Class 55 Rating, Add* | *1,372.63* | |
| | | *For Class 56 Rating, Add* | *1,819.07* | |
| 40 05 19 00-2794 | EA | 12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,107.35 | 509.21 |
| | | *For Class 52 Rating, Deduct* | *-696.94* | |
| | | *For Class 54 Rating, Add* | *959.63* | |
| | | *For Class 55 Rating, Add* | *1,431.40* | |
| | | *For Class 56 Rating, Add* | *1,896.84* | |
| 40 05 19 00-2795 | EA | 12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,375.28 | 512.44 |
| | | *For Class 52 Rating, Deduct* | *-725.87* | |
| | | *For Class 54 Rating, Add* | *999.14* | |
| | | *For Class 55 Rating, Add* | *1,490.18* | |
| | | *For Class 56 Rating, Add* | *1,974.61* | |
| 40 05 19 00-2796 | EA | 12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,643.20 | 515.67 |
| | | *For Class 52 Rating, Deduct* | *-754.81* | |
| | | *For Class 54 Rating, Add* | *1,038.66* | |
| | | *For Class 55 Rating, Add* | *1,548.95* | |
| | | *For Class 56 Rating, Add* | *2,052.38* | |
| 40 05 19 00-2797 | EA | 12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,911.12 | 518.88 |
| | | *For Class 52 Rating, Deduct* | *-783.74* | |
| | | *For Class 54 Rating, Add* | *1,078.17* | |
| | | *For Class 55 Rating, Add* | *1,607.73* | |
| | | *For Class 56 Rating, Add* | *2,130.16* | |
| 40 05 19 00-2798 | EA | 12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,179.05 | 522.11 |
| | | *For Class 52 Rating, Deduct* | *-812.68* | |
| | | *For Class 54 Rating, Add* | *1,117.69* | |
| | | *For Class 55 Rating, Add* | *1,666.50* | |
| | | *For Class 56 Rating, Add* | *2,207.93* | |
| 40 05 19 00-2799 | EA | 12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,446.97 | 525.33 |
| | | *For Class 52 Rating, Deduct* | *-841.61* | |
| | | *For Class 54 Rating, Add* | *1,157.20* | |
| | | *For Class 55 Rating, Add* | *1,725.28* | |
| | | *For Class 56 Rating, Add* | *2,285.70* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2800 | EA | 12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,714.89 | 528.56 |
| | | *For Class 52 Rating, Deduct* | *-870.54* | |
| | | *For Class 54 Rating, Add* | *1,196.72* | |
| | | *For Class 55 Rating, Add* | *1,784.05* | |
| | | *For Class 56 Rating, Add* | *2,363.47* | |
| 40 05 19 00-2801 | EA | 12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,982.81 | 531.78 |
| | | *For Class 52 Rating, Deduct* | *-899.48* | |
| | | *For Class 54 Rating, Add* | *1,236.23* | |
| | | *For Class 55 Rating, Add* | *1,842.83* | |
| | | *For Class 56 Rating, Add* | *2,441.24* | |
| 40 05 19 00-2802 | EA | 12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,250.72 | 535.00 |
| | | *For Class 52 Rating, Deduct* | *-928.41* | |
| | | *For Class 54 Rating, Add* | *1,275.75* | |
| | | *For Class 55 Rating, Add* | *1,901.60* | |
| | | *For Class 56 Rating, Add* | *2,519.02* | |
| 40 05 19 00-2803 | EA | 12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,518.65 | 538.23 |
| | | *For Class 52 Rating, Deduct* | *-957.35* | |
| | | *For Class 54 Rating, Add* | *1,315.26* | |
| | | *For Class 55 Rating, Add* | *1,960.38* | |
| | | *For Class 56 Rating, Add* | *2,596.79* | |
| 40 05 19 00-2804 | EA | 12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,786.57 | 541.45 |
| | | *For Class 52 Rating, Deduct* | *-986.28* | |
| | | *For Class 54 Rating, Add* | *1,354.77* | |
| | | *For Class 55 Rating, Add* | *2,019.15* | |
| | | *For Class 56 Rating, Add* | *2,674.56* | |
| 40 05 19 00-2805 | EA | 12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,054.50 | 544.67 |
| | | *For Class 52 Rating, Deduct* | *-1,015.22* | |
| | | *For Class 54 Rating, Add* | *1,394.29* | |
| | | *For Class 55 Rating, Add* | *2,077.93* | |
| | | *For Class 56 Rating, Add* | *2,752.34* | |
| 40 05 19 00-2806 | EA | 12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,322.42 | 547.90 |
| | | *For Class 52 Rating, Deduct* | *-1,044.15* | |
| | | *For Class 54 Rating, Add* | *1,433.80* | |
| | | *For Class 55 Rating, Add* | *2,136.70* | |
| | | *For Class 56 Rating, Add* | *2,830.11* | |
| 40 05 19 00-2807 | EA | 12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,590.34 | 551.11 |
| | | *For Class 52 Rating, Deduct* | *-1,073.09* | |
| | | *For Class 54 Rating, Add* | *1,473.32* | |
| | | *For Class 55 Rating, Add* | *2,195.48* | |
| | | *For Class 56 Rating, Add* | *2,907.88* | |
| 40 05 19 00-2808 | EA | 12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,858.27 | 554.34 |
| | | *For Class 52 Rating, Deduct* | *-1,102.02* | |
| | | *For Class 54 Rating, Add* | *1,512.83* | |
| | | *For Class 55 Rating, Add* | *2,254.25* | |
| | | *For Class 56 Rating, Add* | *2,985.65* | |
| 40 05 19 00-2809 | EA | 12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,126.19 | 557.57 |
| | | *For Class 52 Rating, Deduct* | *-1,130.95* | |
| | | *For Class 54 Rating, Add* | *1,552.35* | |
| | | *For Class 55 Rating, Add* | *2,313.03* | |
| | | *For Class 56 Rating, Add* | *3,063.43* | |
| 40 05 19 00-2810 | EA | 12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,394.11 | 560.78 |
| | | *For Class 52 Rating, Deduct* | *-1,159.89* | |
| | | *For Class 54 Rating, Add* | *1,591.86* | |
| | | *For Class 55 Rating, Add* | *2,371.80* | |
| | | *For Class 56 Rating, Add* | *3,141.20* | |
| 40 05 19 00-2811 | EA | 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,662.03 | 564.01 |
| | | *For Class 52 Rating, Deduct* | *-1,188.82* | |
| | | *For Class 54 Rating, Add* | *1,631.38* | |
| | | *For Class 55 Rating, Add* | *2,430.58* | |
| | | *For Class 56 Rating, Add* | *3,218.97* | |
| 40 05 19 00-2812 | EA | 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,929.95 | 567.23 |
| | | *For Class 52 Rating, Deduct* | *-1,217.76* | |
| | | *For Class 54 Rating, Add* | *1,670.89* | |
| | | *For Class 55 Rating, Add* | *2,489.35* | |
| | | *For Class 56 Rating, Add* | *3,296.74* | |
| 40 05 19 00-2813 | EA | 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,197.88 | 570.45 |
| | | *For Class 52 Rating, Deduct* | *-1,246.69* | |
| | | *For Class 54 Rating, Add* | *1,710.40* | |
| | | *For Class 55 Rating, Add* | *2,548.13* | |
| | | *For Class 56 Rating, Add* | *3,374.51* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2814 | EA | 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,465.80 | 573.68 |
| | | *For Class 52 Rating, Deduct* | *-1,275.62* | |
| | | *For Class 54 Rating, Add* | *1,749.92* | |
| | | *For Class 55 Rating, Add* | *2,606.90* | |
| | | *For Class 56 Rating, Add* | *3,452.29* | |
| 40 05 19 00-2815 | | **14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2614)* | | |
| 40 05 19 00-2816 | EA | 14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,182.00 | 541.45 |
| | | *For Class 52 Rating, Deduct* | *-259.78* | |
| | | *For Class 54 Rating, Add* | *364.09* | |
| | | *For Class 55 Rating, Add* | *546.33* | |
| | | *For Class 56 Rating, Add* | *726.21* | |
| 40 05 19 00-2817 | EA | 14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,507.11 | 544.67 |
| | | *For Class 52 Rating, Deduct* | *-295.00* | |
| | | *For Class 54 Rating, Add* | *412.18* | |
| | | *For Class 55 Rating, Add* | *617.86* | |
| | | *For Class 56 Rating, Add* | *820.86* | |
| 40 05 19 00-2818 | EA | 14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,832.22 | 547.90 |
| | | *For Class 52 Rating, Deduct* | *-330.23* | |
| | | *For Class 54 Rating, Add* | *460.27* | |
| | | *For Class 55 Rating, Add* | *689.39* | |
| | | *For Class 56 Rating, Add* | *915.50* | |
| 40 05 19 00-2819 | EA | 14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,157.32 | 551.11 |
| | | *For Class 52 Rating, Deduct* | *-365.45* | |
| | | *For Class 54 Rating, Add* | *508.37* | |
| | | *For Class 55 Rating, Add* | *760.91* | |
| | | *For Class 56 Rating, Add* | *1,010.14* | |
| 40 05 19 00-2820 | EA | 14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,482.43 | 554.34 |
| | | *For Class 52 Rating, Deduct* | *-400.68* | |
| | | *For Class 54 Rating, Add* | *556.46* | |
| | | *For Class 55 Rating, Add* | *832.44* | |
| | | *For Class 56 Rating, Add* | *1,104.78* | |
| 40 05 19 00-2821 | EA | 14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,807.53 | 557.57 |
| | | *For Class 52 Rating, Deduct* | *-435.90* | |
| | | *For Class 54 Rating, Add* | *604.55* | |
| | | *For Class 55 Rating, Add* | *903.97* | |
| | | *For Class 56 Rating, Add* | *1,199.42* | |
| 40 05 19 00-2822 | EA | 14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,132.64 | 560.78 |
| | | *For Class 52 Rating, Deduct* | *-471.13* | |
| | | *For Class 54 Rating, Add* | *652.64* | |
| | | *For Class 55 Rating, Add* | *975.49* | |
| | | *For Class 56 Rating, Add* | *1,294.06* | |
| 40 05 19 00-2823 | EA | 14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,457.74 | 564.01 |
| | | *For Class 52 Rating, Deduct* | *-506.35* | |
| | | *For Class 54 Rating, Add* | *700.73* | |
| | | *For Class 55 Rating, Add* | *1,047.02* | |
| | | *For Class 56 Rating, Add* | *1,388.70* | |
| 40 05 19 00-2824 | EA | 14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,782.84 | 567.23 |
| | | *For Class 52 Rating, Deduct* | *-541.57* | |
| | | *For Class 54 Rating, Add* | *748.82* | |
| | | *For Class 55 Rating, Add* | *1,118.54* | |
| | | *For Class 56 Rating, Add* | *1,483.34* | |
| 40 05 19 00-2825 | EA | 14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,107.96 | 570.45 |
| | | *For Class 52 Rating, Deduct* | *-576.80* | |
| | | *For Class 54 Rating, Add* | *796.92* | |
| | | *For Class 55 Rating, Add* | *1,190.07* | |
| | | *For Class 56 Rating, Add* | *1,577.99* | |
| 40 05 19 00-2826 | EA | 14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,433.06 | 573.68 |
| | | *For Class 52 Rating, Deduct* | *-612.02* | |
| | | *For Class 54 Rating, Add* | *845.01* | |
| | | *For Class 55 Rating, Add* | *1,261.60* | |
| | | *For Class 56 Rating, Add* | *1,672.63* | |
| 40 05 19 00-2827 | EA | 14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,758.16 | 576.90 |
| | | *For Class 52 Rating, Deduct* | *-647.25* | |
| | | *For Class 54 Rating, Add* | *893.10* | |
| | | *For Class 55 Rating, Add* | *1,333.13* | |
| | | *For Class 56 Rating, Add* | *1,767.27* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2828 | EA | 14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,083.26 | 580.13 |
| | | *For Class 52 Rating, Deduct* | *-682.47* | |
| | | *For Class 54 Rating, Add* | *941.19* | |
| | | *For Class 55 Rating, Add* | *1,404.65* | |
| | | *For Class 56 Rating, Add* | *1,861.91* | |
| 40 05 19 00-2829 | EA | 14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,408.36 | 583.34 |
| | | *For Class 52 Rating, Deduct* | *-717.70* | |
| | | *For Class 54 Rating, Add* | *989.28* | |
| | | *For Class 55 Rating, Add* | *1,476.18* | |
| | | *For Class 56 Rating, Add* | *1,956.55* | |
| 40 05 19 00-2830 | EA | 14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,733.47 | 586.57 |
| | | *For Class 52 Rating, Deduct* | *-752.92* | |
| | | *For Class 54 Rating, Add* | *1,037.37* | |
| | | *For Class 55 Rating, Add* | *1,547.70* | |
| | | *For Class 56 Rating, Add* | *2,051.19* | |
| 40 05 19 00-2831 | EA | 14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,058.57 | 589.80 |
| | | *For Class 52 Rating, Deduct* | *-788.14* | |
| | | *For Class 54 Rating, Add* | *1,085.47* | |
| | | *For Class 55 Rating, Add* | *1,619.23* | |
| | | *For Class 56 Rating, Add* | *2,145.83* | |
| 40 05 19 00-2832 | EA | 14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,383.69 | 593.01 |
| | | *For Class 52 Rating, Deduct* | *-823.37* | |
| | | *For Class 54 Rating, Add* | *1,133.56* | |
| | | *For Class 55 Rating, Add* | *1,690.76* | |
| | | *For Class 56 Rating, Add* | *2,240.47* | |
| 40 05 19 00-2833 | EA | 14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,708.79 | 596.24 |
| | | *For Class 52 Rating, Deduct* | *-858.59* | |
| | | *For Class 54 Rating, Add* | *1,181.65* | |
| | | *For Class 55 Rating, Add* | *1,762.29* | |
| | | *For Class 56 Rating, Add* | *2,335.12* | |
| 40 05 19 00-2834 | EA | 14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,033.89 | 599.46 |
| | | *For Class 52 Rating, Deduct* | *-893.82* | |
| | | *For Class 54 Rating, Add* | *1,229.74* | |
| | | *For Class 55 Rating, Add* | *1,833.81* | |
| | | *For Class 56 Rating, Add* | *2,429.76* | |
| 40 05 19 00-2835 | EA | 14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,359.00 | 602.68 |
| | | *For Class 52 Rating, Deduct* | *-929.04* | |
| | | *For Class 54 Rating, Add* | *1,277.83* | |
| | | *For Class 55 Rating, Add* | *1,905.34* | |
| | | *For Class 56 Rating, Add* | *2,524.40* | |
| 40 05 19 00-2836 | EA | 14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,684.10 | 605.91 |
| | | *For Class 52 Rating, Deduct* | *-964.27* | |
| | | *For Class 54 Rating, Add* | *1,325.93* | |
| | | *For Class 55 Rating, Add* | *1,976.86* | |
| | | *For Class 56 Rating, Add* | *2,619.04* | |
| 40 05 19 00-2837 | EA | 14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,009.21 | 609.13 |
| | | *For Class 52 Rating, Deduct* | *-999.49* | |
| | | *For Class 54 Rating, Add* | *1,374.02* | |
| | | *For Class 55 Rating, Add* | *2,048.39* | |
| | | *For Class 56 Rating, Add* | *2,713.68* | |
| 40 05 19 00-2838 | EA | 14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,334.31 | 612.35 |
| | | *For Class 52 Rating, Deduct* | *-1,034.72* | |
| | | *For Class 54 Rating, Add* | *1,422.11* | |
| | | *For Class 55 Rating, Add* | *2,119.92* | |
| | | *For Class 56 Rating, Add* | *2,808.32* | |
| 40 05 19 00-2839 | EA | 14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,659.41 | 615.57 |
| | | *For Class 52 Rating, Deduct* | *-1,069.94* | |
| | | *For Class 54 Rating, Add* | *1,470.20* | |
| | | *For Class 55 Rating, Add* | *2,191.45* | |
| | | *For Class 56 Rating, Add* | *2,902.96* | |
| 40 05 19 00-2840 | EA | 14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,984.52 | 618.80 |
| | | *For Class 52 Rating, Deduct* | *-1,105.16* | |
| | | *For Class 54 Rating, Add* | *1,518.29* | |
| | | *For Class 55 Rating, Add* | *2,262.97* | |
| | | *For Class 56 Rating, Add* | *2,997.60* | |
| 40 05 19 00-2841 | EA | 14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,309.62 | 622.02 |
| | | *For Class 52 Rating, Deduct* | *-1,140.39* | |
| | | *For Class 54 Rating, Add* | *1,566.38* | |
| | | *For Class 55 Rating, Add* | *2,334.50* | |
| | | *For Class 56 Rating, Add* | *3,092.24* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2842 | EA | 14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,634.73 | 625.24 |
| | | *For Class 52 Rating, Deduct* | *-1,175.61* | |
| | | *For Class 54 Rating, Add* | *1,614.48* | |
| | | *For Class 55 Rating, Add* | *2,406.02* | |
| | | *For Class 56 Rating, Add* | *3,186.88* | |
| 40 05 19 00-2843 | EA | 14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,959.83 | 628.47 |
| | | *For Class 52 Rating, Deduct* | *-1,210.84* | |
| | | *For Class 54 Rating, Add* | *1,662.57* | |
| | | *For Class 55 Rating, Add* | *2,477.55* | |
| | | *For Class 56 Rating, Add* | *3,281.52* | |
| 40 05 19 00-2844 | EA | 14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,284.93 | 631.68 |
| | | *For Class 52 Rating, Deduct* | *-1,246.06* | |
| | | *For Class 54 Rating, Add* | *1,710.66* | |
| | | *For Class 55 Rating, Add* | *2,549.08* | |
| | | *For Class 56 Rating, Add* | *3,376.17* | |
| 40 05 19 00-2845 | EA | 14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,610.04 | 634.91 |
| | | *For Class 52 Rating, Deduct* | *-1,281.29* | |
| | | *For Class 54 Rating, Add* | *1,758.75* | |
| | | *For Class 55 Rating, Add* | *2,620.60* | |
| | | *For Class 56 Rating, Add* | *3,470.81* | |
| 40 05 19 00-2846 | EA | 14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,935.15 | 638.14 |
| | | *For Class 52 Rating, Deduct* | *-1,316.51* | |
| | | *For Class 54 Rating, Add* | *1,806.84* | |
| | | *For Class 55 Rating, Add* | *2,692.13* | |
| | | *For Class 56 Rating, Add* | *3,565.45* | |
| 40 05 19 00-2847 | EA | 14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,260.26 | 641.36 |
| | | *For Class 52 Rating, Deduct* | *-1,351.74* | |
| | | *For Class 54 Rating, Add* | *1,854.94* | |
| | | *For Class 55 Rating, Add* | *2,763.66* | |
| | | *For Class 56 Rating, Add* | *3,660.09* | |
| 40 05 19 00-2848 | EA | 14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,585.36 | 644.58 |
| | | *For Class 52 Rating, Deduct* | *-1,386.96* | |
| | | *For Class 54 Rating, Add* | *1,903.03* | |
| | | *For Class 55 Rating, Add* | *2,835.18* | |
| | | *For Class 56 Rating, Add* | *3,754.73* | |
| 40 05 19 00-2849 | EA | 14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,910.46 | 647.80 |
| | | *For Class 52 Rating, Deduct* | *-1,422.18* | |
| | | *For Class 54 Rating, Add* | *1,951.12* | |
| | | *For Class 55 Rating, Add* | *2,906.71* | |
| | | *For Class 56 Rating, Add* | *3,849.37* | |
| 40 05 19 00-2850 | EA | 14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,235.57 | 651.03 |
| | | *For Class 52 Rating, Deduct* | *-1,457.41* | |
| | | *For Class 54 Rating, Add* | *1,999.21* | |
| | | *For Class 55 Rating, Add* | *2,978.24* | |
| | | *For Class 56 Rating, Add* | *3,944.01* | |
| 40 05 19 00-2851 | EA | 14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,560.66 | 654.25 |
| | | *For Class 52 Rating, Deduct* | *-1,492.63* | |
| | | *For Class 54 Rating, Add* | *2,047.30* | |
| | | *For Class 55 Rating, Add* | *3,049.76* | |
| | | *For Class 56 Rating, Add* | *4,038.65* | |
| 40 05 19 00-2852 | EA | 14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,885.77 | 657.47 |
| | | *For Class 52 Rating, Deduct* | *-1,527.86* | |
| | | *For Class 54 Rating, Add* | *2,095.39* | |
| | | *For Class 55 Rating, Add* | *3,121.29* | |
| | | *For Class 56 Rating, Add* | *4,133.29* | |
| 40 05 19 00-2853 | EA | 14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,210.88 | 660.70 |
| | | *For Class 52 Rating, Deduct* | *-1,563.08* | |
| | | *For Class 54 Rating, Add* | *2,143.49* | |
| | | *For Class 55 Rating, Add* | *3,192.82* | |
| | | *For Class 56 Rating, Add* | *4,227.94* | |

### 40 05 19 00-2854 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2855 | EA | 16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,725.21 | 618.80 |
| | | *For Class 52 Rating, Deduct* | *-306.64* | |
| | | *For Class 54 Rating, Add* | *429.40* | |
| | | *For Class 55 Rating, Add* | *644.15* | |
| | | *For Class 56 Rating, Add* | *856.11* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2856 | EA | 16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,101.78 | 622.02 |
| | | *For Class 52 Rating, Deduct* | *-347.53* | |
| | | *For Class 54 Rating, Add* | *485.21* | |
| | | *For Class 55 Rating, Add* | *727.15* | |
| | | *For Class 56 Rating, Add* | *965.93* | |
| 40 05 19 00-2857 | EA | 16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,478.35 | 625.24 |
| | | *For Class 52 Rating, Deduct* | *-388.41* | |
| | | *For Class 54 Rating, Add* | *541.02* | |
| | | *For Class 55 Rating, Add* | *810.15* | |
| | | *For Class 56 Rating, Add* | *1,075.75* | |
| 40 05 19 00-2858 | EA | 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,854.92 | 628.47 |
| | | *For Class 52 Rating, Deduct* | *-429.30* | |
| | | *For Class 54 Rating, Add* | *596.83* | |
| | | *For Class 55 Rating, Add* | *893.16* | |
| | | *For Class 56 Rating, Add* | *1,185.58* | |
| 40 05 19 00-2859 | EA | 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,231.48 | 631.68 |
| | | *For Class 52 Rating, Deduct* | *-470.18* | |
| | | *For Class 54 Rating, Add* | *652.64* | |
| | | *For Class 55 Rating, Add* | *976.16* | |
| | | *For Class 56 Rating, Add* | *1,295.40* | |
| 40 05 19 00-2860 | EA | 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,608.06 | 634.91 |
| | | *For Class 52 Rating, Deduct* | *-511.07* | |
| | | *For Class 54 Rating, Add* | *708.45* | |
| | | *For Class 55 Rating, Add* | *1,059.16* | |
| | | *For Class 56 Rating, Add* | *1,405.22* | |
| 40 05 19 00-2861 | EA | 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,984.63 | 638.14 |
| | | *For Class 52 Rating, Deduct* | *-551.95* | |
| | | *For Class 54 Rating, Add* | *764.27* | |
| | | *For Class 55 Rating, Add* | *1,142.17* | |
| | | *For Class 56 Rating, Add* | *1,515.05* | |
| 40 05 19 00-2862 | EA | 16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,361.20 | 641.36 |
| | | *For Class 52 Rating, Deduct* | *-592.84* | |
| | | *For Class 54 Rating, Add* | *820.08* | |
| | | *For Class 55 Rating, Add* | *1,225.17* | |
| | | *For Class 56 Rating, Add* | *1,624.87* | |
| 40 05 19 00-2863 | EA | 16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,737.77 | 644.58 |
| | | *For Class 52 Rating, Deduct* | *-633.72* | |
| | | *For Class 54 Rating, Add* | *875.89* | |
| | | *For Class 55 Rating, Add* | *1,308.17* | |
| | | *For Class 56 Rating, Add* | *1,734.69* | |
| 40 05 19 00-2864 | EA | 16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,114.33 | 647.80 |
| | | *For Class 52 Rating, Deduct* | *-674.61* | |
| | | *For Class 54 Rating, Add* | *931.70* | |
| | | *For Class 55 Rating, Add* | *1,391.17* | |
| | | *For Class 56 Rating, Add* | *1,844.51* | |
| 40 05 19 00-2865 | EA | 16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,490.91 | 651.03 |
| | | *For Class 52 Rating, Deduct* | *-715.50* | |
| | | *For Class 54 Rating, Add* | *987.51* | |
| | | *For Class 55 Rating, Add* | *1,474.18* | |
| | | *For Class 56 Rating, Add* | *1,954.34* | |
| 40 05 19 00-2866 | EA | 16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,867.46 | 654.25 |
| | | *For Class 52 Rating, Deduct* | *-756.38* | |
| | | *For Class 54 Rating, Add* | *1,043.32* | |
| | | *For Class 55 Rating, Add* | *1,557.18* | |
| | | *For Class 56 Rating, Add* | *2,064.16* | |
| 40 05 19 00-2867 | EA | 16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,244.04 | 657.47 |
| | | *For Class 52 Rating, Deduct* | *-797.27* | |
| | | *For Class 54 Rating, Add* | *1,099.13* | |
| | | *For Class 55 Rating, Add* | *1,640.18* | |
| | | *For Class 56 Rating, Add* | *2,173.98* | |
| 40 05 19 00-2868 | EA | 16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,620.60 | 660.70 |
| | | *For Class 52 Rating, Deduct* | *-838.15* | |
| | | *For Class 54 Rating, Add* | *1,154.95* | |
| | | *For Class 55 Rating, Add* | *1,723.18* | |
| | | *For Class 56 Rating, Add* | *2,283.81* | |
| 40 05 19 00-2869 | EA | 16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,997.17 | 663.91 |
| | | *For Class 52 Rating, Deduct* | *-879.04* | |
| | | *For Class 54 Rating, Add* | *1,210.76* | |
| | | *For Class 55 Rating, Add* | *1,806.19* | |
| | | *For Class 56 Rating, Add* | *2,393.63* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2870 | EA | 16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,373.75 | 667.14 |
| | | *For Class 52 Rating, Deduct* | *-919.92* | |
| | | *For Class 54 Rating, Add* | *1,266.57* | |
| | | *For Class 55 Rating, Add* | *1,889.19* | |
| | | *For Class 56 Rating, Add* | *2,503.45* | |
| 40 05 19 00-2871 | EA | 16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,750.31 | 670.37 |
| | | *For Class 52 Rating, Deduct* | *-960.81* | |
| | | *For Class 54 Rating, Add* | *1,322.38* | |
| | | *For Class 55 Rating, Add* | *1,972.19* | |
| | | *For Class 56 Rating, Add* | *2,613.28* | |
| 40 05 19 00-2872 | EA | 16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,126.89 | 673.58 |
| | | *For Class 52 Rating, Deduct* | *-1,001.69* | |
| | | *For Class 54 Rating, Add* | *1,378.19* | |
| | | *For Class 55 Rating, Add* | *2,055.20* | |
| | | *For Class 56 Rating, Add* | *2,723.10* | |
| 40 05 19 00-2873 | EA | 16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,503.45 | 676.81 |
| | | *For Class 52 Rating, Deduct* | *-1,042.58* | |
| | | *For Class 54 Rating, Add* | *1,434.00* | |
| | | *For Class 55 Rating, Add* | *2,138.20* | |
| | | *For Class 56 Rating, Add* | *2,832.92* | |
| 40 05 19 00-2874 | EA | 16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,880.02 | 680.03 |
| | | *For Class 52 Rating, Deduct* | *-1,083.46* | |
| | | *For Class 54 Rating, Add* | *1,489.81* | |
| | | *For Class 55 Rating, Add* | *2,221.20* | |
| | | *For Class 56 Rating, Add* | *2,942.75* | |
| 40 05 19 00-2875 | EA | 16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,256.59 | 683.25 |
| | | *For Class 52 Rating, Deduct* | *-1,124.35* | |
| | | *For Class 54 Rating, Add* | *1,545.63* | |
| | | *For Class 55 Rating, Add* | *2,304.21* | |
| | | *For Class 56 Rating, Add* | *3,052.57* | |
| 40 05 19 00-2876 | EA | 16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,633.16 | 686.48 |
| | | *For Class 52 Rating, Deduct* | *-1,165.23* | |
| | | *For Class 54 Rating, Add* | *1,601.44* | |
| | | *For Class 55 Rating, Add* | *2,387.21* | |
| | | *For Class 56 Rating, Add* | *3,162.39* | |
| 40 05 19 00-2877 | EA | 16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,009.74 | 689.70 |
| | | *For Class 52 Rating, Deduct* | *-1,206.12* | |
| | | *For Class 54 Rating, Add* | *1,657.25* | |
| | | *For Class 55 Rating, Add* | *2,470.22* | |
| | | *For Class 56 Rating, Add* | *3,272.22* | |
| 40 05 19 00-2878 | EA | 16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,386.29 | 692.93 |
| | | *For Class 52 Rating, Deduct* | *-1,247.01* | |
| | | *For Class 54 Rating, Add* | *1,713.06* | |
| | | *For Class 55 Rating, Add* | *2,553.22* | |
| | | *For Class 56 Rating, Add* | *3,382.04* | |
| 40 05 19 00-2879 | EA | 16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,762.86 | 696.15 |
| | | *For Class 52 Rating, Deduct* | *-1,287.89* | |
| | | *For Class 54 Rating, Add* | *1,768.87* | |
| | | *For Class 55 Rating, Add* | *2,636.22* | |
| | | *For Class 56 Rating, Add* | *3,491.86* | |
| 40 05 19 00-2880 | EA | 16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,139.43 | 699.37 |
| | | *For Class 52 Rating, Deduct* | *-1,328.78* | |
| | | *For Class 54 Rating, Add* | *1,824.68* | |
| | | *For Class 55 Rating, Add* | *2,719.22* | |
| | | *For Class 56 Rating, Add* | *3,601.68* | |
| 40 05 19 00-2881 | EA | 16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,516.00 | 702.60 |
| | | *For Class 52 Rating, Deduct* | *-1,369.66* | |
| | | *For Class 54 Rating, Add* | *1,880.49* | |
| | | *For Class 55 Rating, Add* | *2,802.23* | |
| | | *For Class 56 Rating, Add* | *3,711.51* | |
| 40 05 19 00-2882 | EA | 16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,892.57 | 705.81 |
| | | *For Class 52 Rating, Deduct* | *-1,410.55* | |
| | | *For Class 54 Rating, Add* | *1,936.31* | |
| | | *For Class 55 Rating, Add* | *2,885.23* | |
| | | *For Class 56 Rating, Add* | *3,821.33* | |
| 40 05 19 00-2883 | EA | 16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,269.14 | 709.04 |
| | | *For Class 52 Rating, Deduct* | *-1,451.43* | |
| | | *For Class 54 Rating, Add* | *1,992.12* | |
| | | *For Class 55 Rating, Add* | *2,968.23* | |
| | | *For Class 56 Rating, Add* | *3,931.15* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2884 | EA | 16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,645.70 | 712.27 |
| | | *For Class 52 Rating, Deduct* | *-1,492.32* | |
| | | *For Class 54 Rating, Add* | *2,047.93* | |
| | | *For Class 55 Rating, Add* | *3,051.23* | |
| | | *For Class 56 Rating, Add* | *4,040.97* | |
| 40 05 19 00-2885 | EA | 16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,022.28 | 715.48 |
| | | *For Class 52 Rating, Deduct* | *-1,533.20* | |
| | | *For Class 54 Rating, Add* | *2,103.74* | |
| | | *For Class 55 Rating, Add* | *3,134.24* | |
| | | *For Class 56 Rating, Add* | *4,150.80* | |
| 40 05 19 00-2886 | EA | 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,398.85 | 718.71 |
| | | *For Class 52 Rating, Deduct* | *-1,574.09* | |
| | | *For Class 54 Rating, Add* | *2,159.55* | |
| | | *For Class 55 Rating, Add* | *3,217.24* | |
| | | *For Class 56 Rating, Add* | *4,260.62* | |
| 40 05 19 00-2887 | EA | 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,775.42 | 721.93 |
| | | *For Class 52 Rating, Deduct* | *-1,614.97* | |
| | | *For Class 54 Rating, Add* | *2,215.36* | |
| | | *For Class 55 Rating, Add* | *3,300.24* | |
| | | *For Class 56 Rating, Add* | *4,370.44* | |
| 40 05 19 00-2888 | EA | 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,151.99 | 725.15 |
| | | *For Class 52 Rating, Deduct* | *-1,655.86* | |
| | | *For Class 54 Rating, Add* | *2,271.18* | |
| | | *For Class 55 Rating, Add* | *3,383.25* | |
| | | *For Class 56 Rating, Add* | *4,480.27* | |
| 40 05 19 00-2889 | EA | 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,528.55 | 728.38 |
| | | *For Class 52 Rating, Deduct* | *-1,696.74* | |
| | | *For Class 54 Rating, Add* | *2,326.99* | |
| | | *For Class 55 Rating, Add* | *3,466.25* | |
| | | *For Class 56 Rating, Add* | *4,590.09* | |
| 40 05 19 00-2890 | EA | 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,905.13 | 731.60 |
| | | *For Class 52 Rating, Deduct* | *-1,737.63* | |
| | | *For Class 54 Rating, Add* | *2,382.80* | |
| | | *For Class 55 Rating, Add* | *3,549.25* | |
| | | *For Class 56 Rating, Add* | *4,699.91* | |
| 40 05 19 00-2891 | EA | 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,281.68 | 734.82 |
| | | *For Class 52 Rating, Deduct* | *-1,778.52* | |
| | | *For Class 54 Rating, Add* | *2,438.61* | |
| | | *For Class 55 Rating, Add* | *3,632.26* | |
| | | *For Class 56 Rating, Add* | *4,809.74* | |
| 40 05 19 00-2892 | EA | 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,658.26 | 738.04 |
| | | *For Class 52 Rating, Deduct* | *-1,819.40* | |
| | | *For Class 54 Rating, Add* | *2,494.42* | |
| | | *For Class 55 Rating, Add* | *3,715.26* | |
| | | *For Class 56 Rating, Add* | *4,919.56* | |

## 40 05 19 00-2893 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2894 | EA | 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,359.00 | 697.45 |
| | | *For Class 52 Rating, Deduct* | *-363.25* | |
| | | *For Class 54 Rating, Add* | *508.02* | |
| | | *For Class 55 Rating, Add* | *761.77* | |
| | | *For Class 56 Rating, Add* | *1,012.21* | |
| 40 05 19 00-2895 | EA | 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,792.76 | 700.66 |
| | | *For Class 52 Rating, Deduct* | *-410.43* | |
| | | *For Class 54 Rating, Add* | *572.41* | |
| | | *For Class 55 Rating, Add* | *857.53* | |
| | | *For Class 56 Rating, Add* | *1,138.91* | |
| 40 05 19 00-2896 | EA | 18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,226.51 | 703.89 |
| | | *For Class 52 Rating, Deduct* | *-457.60* | |
| | | *For Class 54 Rating, Add* | *636.80* | |
| | | *For Class 55 Rating, Add* | *953.28* | |
| | | *For Class 56 Rating, Add* | *1,265.60* | |
| 40 05 19 00-2897 | EA | 18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,660.26 | 707.11 |
| | | *For Class 52 Rating, Deduct* | *-504.78* | |
| | | *For Class 54 Rating, Add* | *701.19* | |
| | | *For Class 55 Rating, Add* | *1,049.04* | |
| | | *For Class 56 Rating, Add* | *1,392.29* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2898 | EA | 18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,094.02 | 710.33 |
| | | *For Class 52 Rating, Deduct* | *-551.95* | |
| | | *For Class 54 Rating, Add* | *765.58* | |
| | | *For Class 55 Rating, Add* | *1,144.79* | |
| | | *For Class 56 Rating, Add* | *1,518.98* | |
| 40 05 19 00-2899 | EA | 18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,527.76 | 713.56 |
| | | *For Class 52 Rating, Deduct* | *-599.13* | |
| | | *For Class 54 Rating, Add* | *829.97* | |
| | | *For Class 55 Rating, Add* | *1,240.54* | |
| | | *For Class 56 Rating, Add* | *1,645.67* | |
| 40 05 19 00-2900 | EA | 18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,961.51 | 716.78 |
| | | *For Class 52 Rating, Deduct* | *-646.30* | |
| | | *For Class 54 Rating, Add* | *894.36* | |
| | | *For Class 55 Rating, Add* | *1,336.30* | |
| | | *For Class 56 Rating, Add* | *1,772.37* | |
| 40 05 19 00-2901 | EA | 18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,395.26 | 720.00 |
| | | *For Class 52 Rating, Deduct* | *-693.48* | |
| | | *For Class 54 Rating, Add* | *958.74* | |
| | | *For Class 55 Rating, Add* | *1,432.05* | |
| | | *For Class 56 Rating, Add* | *1,899.06* | |
| 40 05 19 00-2902 | EA | 18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,829.01 | 723.22 |
| | | *For Class 52 Rating, Deduct* | *-740.66* | |
| | | *For Class 54 Rating, Add* | *1,023.13* | |
| | | *For Class 55 Rating, Add* | *1,527.81* | |
| | | *For Class 56 Rating, Add* | *2,025.75* | |
| 40 05 19 00-2903 | EA | 18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,262.77 | 726.45 |
| | | *For Class 52 Rating, Deduct* | *-787.83* | |
| | | *For Class 54 Rating, Add* | *1,087.52* | |
| | | *For Class 55 Rating, Add* | *1,623.56* | |
| | | *For Class 56 Rating, Add* | *2,152.44* | |
| 40 05 19 00-2904 | EA | 18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,696.51 | 729.67 |
| | | *For Class 52 Rating, Deduct* | *-835.01* | |
| | | *For Class 54 Rating, Add* | *1,151.91* | |
| | | *For Class 55 Rating, Add* | *1,719.32* | |
| | | *For Class 56 Rating, Add* | *2,279.13* | |
| 40 05 19 00-2905 | EA | 18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,130.27 | 732.89 |
| | | *For Class 52 Rating, Deduct* | *-882.18* | |
| | | *For Class 54 Rating, Add* | *1,216.30* | |
| | | *For Class 55 Rating, Add* | *1,815.07* | |
| | | *For Class 56 Rating, Add* | *2,405.83* | |
| 40 05 19 00-2906 | EA | 18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,564.02 | 736.12 |
| | | *For Class 52 Rating, Deduct* | *-929.36* | |
| | | *For Class 54 Rating, Add* | *1,280.69* | |
| | | *For Class 55 Rating, Add* | *1,910.83* | |
| | | *For Class 56 Rating, Add* | *2,532.52* | |
| 40 05 19 00-2907 | EA | 18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,997.77 | 739.33 |
| | | *For Class 52 Rating, Deduct* | *-976.53* | |
| | | *For Class 54 Rating, Add* | *1,345.08* | |
| | | *For Class 55 Rating, Add* | *2,006.58* | |
| | | *For Class 56 Rating, Add* | *2,659.21* | |
| 40 05 19 00-2908 | EA | 18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,431.53 | 742.56 |
| | | *For Class 52 Rating, Deduct* | *-1,023.71* | |
| | | *For Class 54 Rating, Add* | *1,409.47* | |
| | | *For Class 55 Rating, Add* | *2,102.34* | |
| | | *For Class 56 Rating, Add* | *2,785.90* | |
| 40 05 19 00-2909 | EA | 18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,865.27 | 745.79 |
| | | *For Class 52 Rating, Deduct* | *-1,070.88* | |
| | | *For Class 54 Rating, Add* | *1,473.85* | |
| | | *For Class 55 Rating, Add* | *2,198.09* | |
| | | *For Class 56 Rating, Add* | *2,912.59* | |
| 40 05 19 00-2910 | EA | 18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,299.03 | 749.01 |
| | | *For Class 52 Rating, Deduct* | *-1,118.06* | |
| | | *For Class 54 Rating, Add* | *1,538.24* | |
| | | *For Class 55 Rating, Add* | *2,293.85* | |
| | | *For Class 56 Rating, Add* | *3,039.29* | |
| 40 05 19 00-2911 | EA | 18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,732.78 | 752.23 |
| | | *For Class 52 Rating, Deduct* | *-1,165.23* | |
| | | *For Class 54 Rating, Add* | *1,602.63* | |
| | | *For Class 55 Rating, Add* | *2,389.60* | |
| | | *For Class 56 Rating, Add* | *3,165.98* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2912 | EA | 18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,166.52 | 755.45 |
| | | *For Class 52 Rating, Deduct* | *-1,212.41* | |
| | | *For Class 54 Rating, Add* | *1,667.02* | |
| | | *For Class 55 Rating, Add* | *2,485.36* | |
| | | *For Class 56 Rating, Add* | *3,292.67* | |
| 40 05 19 00-2913 | EA | 18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,600.28 | 758.68 |
| | | *For Class 52 Rating, Deduct* | *-1,259.59* | |
| | | *For Class 54 Rating, Add* | *1,731.41* | |
| | | *For Class 55 Rating, Add* | *2,581.11* | |
| | | *For Class 56 Rating, Add* | *3,419.36* | |
| 40 05 19 00-2914 | EA | 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,034.02 | 761.90 |
| | | *For Class 52 Rating, Deduct* | *-1,306.76* | |
| | | *For Class 54 Rating, Add* | *1,795.80* | |
| | | *For Class 55 Rating, Add* | *2,676.86* | |
| | | *For Class 56 Rating, Add* | *3,546.05* | |
| 40 05 19 00-2915 | EA | 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,467.78 | 765.12 |
| | | *For Class 52 Rating, Deduct* | *-1,353.94* | |
| | | *For Class 54 Rating, Add* | *1,860.19* | |
| | | *For Class 55 Rating, Add* | *2,772.62* | |
| | | *For Class 56 Rating, Add* | *3,672.74* | |
| 40 05 19 00-2916 | EA | 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,901.53 | 768.35 |
| | | *For Class 52 Rating, Deduct* | *-1,401.11* | |
| | | *For Class 54 Rating, Add* | *1,924.58* | |
| | | *For Class 55 Rating, Add* | *2,868.38* | |
| | | *For Class 56 Rating, Add* | *3,799.44* | |
| 40 05 19 00-2917 | EA | 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,335.28 | 771.57 |
| | | *For Class 52 Rating, Deduct* | *-1,448.29* | |
| | | *For Class 54 Rating, Add* | *1,988.97* | |
| | | *For Class 55 Rating, Add* | *2,964.13* | |
| | | *For Class 56 Rating, Add* | *3,926.13* | |
| 40 05 19 00-2918 | EA | 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,769.04 | 774.79 |
| | | *For Class 52 Rating, Deduct* | *-1,495.46* | |
| | | *For Class 54 Rating, Add* | *2,053.36* | |
| | | *For Class 55 Rating, Add* | *3,059.89* | |
| | | *For Class 56 Rating, Add* | *4,052.82* | |
| 40 05 19 00-2919 | EA | 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,202.78 | 778.02 |
| | | *For Class 52 Rating, Deduct* | *-1,542.64* | |
| | | *For Class 54 Rating, Add* | *2,117.74* | |
| | | *For Class 55 Rating, Add* | *3,155.64* | |
| | | *For Class 56 Rating, Add* | *4,179.51* | |
| 40 05 19 00-2920 | EA | 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,636.54 | 781.23 |
| | | *For Class 52 Rating, Deduct* | *-1,589.81* | |
| | | *For Class 54 Rating, Add* | *2,182.13* | |
| | | *For Class 55 Rating, Add* | *3,251.39* | |
| | | *For Class 56 Rating, Add* | *4,306.20* | |
| 40 05 19 00-2921 | EA | 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,070.29 | 784.46 |
| | | *For Class 52 Rating, Deduct* | *-1,636.99* | |
| | | *For Class 54 Rating, Add* | *2,246.52* | |
| | | *For Class 55 Rating, Add* | *3,347.15* | |
| | | *For Class 56 Rating, Add* | *4,432.90* | |
| 40 05 19 00-2922 | EA | 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,504.04 | 787.69 |
| | | *For Class 52 Rating, Deduct* | *-1,684.16* | |
| | | *For Class 54 Rating, Add* | *2,310.91* | |
| | | *For Class 55 Rating, Add* | *3,442.90* | |
| | | *For Class 56 Rating, Add* | *4,559.59* | |
| 40 05 19 00-2923 | EA | 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,937.80 | 790.90 |
| | | *For Class 52 Rating, Deduct* | *-1,731.34* | |
| | | *For Class 54 Rating, Add* | *2,375.30* | |
| | | *For Class 55 Rating, Add* | *3,538.66* | |
| | | *For Class 56 Rating, Add* | *4,686.28* | |
| 40 05 19 00-2924 | EA | 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,371.54 | 794.13 |
| | | *For Class 52 Rating, Deduct* | *-1,778.52* | |
| | | *For Class 54 Rating, Add* | *2,439.69* | |
| | | *For Class 55 Rating, Add* | *3,634.41* | |
| | | *For Class 56 Rating, Add* | *4,812.97* | |
| 40 05 19 00-2925 | EA | 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,805.29 | 797.35 |
| | | *For Class 52 Rating, Deduct* | *-1,825.69* | |
| | | *For Class 54 Rating, Add* | *2,504.08* | |
| | | *For Class 55 Rating, Add* | *3,730.17* | |
| | | *For Class 56 Rating, Add* | *4,939.66* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2926 | EA | 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,239.04 | 800.57 |
| | | *For Class 52 Rating, Deduct* | *-1,872.87* | |
| | | *For Class 54 Rating, Add* | *2,568.46* | |
| | | *For Class 55 Rating, Add* | *3,825.92* | |
| | | *For Class 56 Rating, Add* | *5,066.35* | |
| 40 05 19 00-2927 | EA | 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,672.79 | 803.80 |
| | | *For Class 52 Rating, Deduct* | *-1,920.04* | |
| | | *For Class 54 Rating, Add* | *2,632.85* | |
| | | *For Class 55 Rating, Add* | *3,921.68* | |
| | | *For Class 56 Rating, Add* | *5,193.05* | |
| 40 05 19 00-2928 | EA | 18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,106.55 | 807.02 |
| | | *For Class 52 Rating, Deduct* | *-1,967.22* | |
| | | *For Class 54 Rating, Add* | *2,697.24* | |
| | | *For Class 55 Rating, Add* | *4,017.43* | |
| | | *For Class 56 Rating, Add* | *5,319.74* | |
| 40 05 19 00-2929 | EA | 18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,540.29 | 810.25 |
| | | *For Class 52 Rating, Deduct* | *-2,014.39* | |
| | | *For Class 54 Rating, Add* | *2,761.63* | |
| | | *For Class 55 Rating, Add* | *4,113.19* | |
| | | *For Class 56 Rating, Add* | *5,446.43* | |
| 40 05 19 00-2930 | EA | 18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,974.05 | 813.46 |
| | | *For Class 52 Rating, Deduct* | *-2,061.57* | |
| | | *For Class 54 Rating, Add* | *2,826.02* | |
| | | *For Class 55 Rating, Add* | *4,208.94* | |
| | | *For Class 56 Rating, Add* | *5,573.12* | |
| 40 05 19 00-2931 | EA | 18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,407.80 | 816.69 |
| | | *For Class 52 Rating, Deduct* | *-2,108.74* | |
| | | *For Class 54 Rating, Add* | *2,890.41* | |
| | | *For Class 55 Rating, Add* | *4,304.70* | |
| | | *For Class 56 Rating, Add* | *5,699.81* | |

## 40 05 19 00-2932 20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2933 | EA | 20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,051.67 | 796.05 |
| | | *For Class 52 Rating, Deduct* | *-423.01* | |
| | | *For Class 54 Rating, Add* | *591.30* | |
| | | *For Class 55 Rating, Add* | *886.50* | |
| | | *For Class 56 Rating, Add* | *1,177.85* | |
| 40 05 19 00-2934 | EA | 20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,545.46 | 799.28 |
| | | *For Class 52 Rating, Deduct* | *-476.79* | |
| | | *For Class 54 Rating, Add* | *664.70* | |
| | | *For Class 55 Rating, Add* | *995.64* | |
| | | *For Class 56 Rating, Add* | *1,322.25* | |
| 40 05 19 00-2935 | EA | 20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,039.26 | 802.50 |
| | | *For Class 52 Rating, Deduct* | *-530.57* | |
| | | *For Class 54 Rating, Add* | *738.09* | |
| | | *For Class 55 Rating, Add* | *1,104.79* | |
| | | *For Class 56 Rating, Add* | *1,466.66* | |
| 40 05 19 00-2936 | EA | 20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,533.04 | 805.73 |
| | | *For Class 52 Rating, Deduct* | *-584.35* | |
| | | *For Class 54 Rating, Add* | *811.49* | |
| | | *For Class 55 Rating, Add* | *1,213.93* | |
| | | *For Class 56 Rating, Add* | *1,611.06* | |
| 40 05 19 00-2937 | EA | 20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,026.83 | 808.95 |
| | | *For Class 52 Rating, Deduct* | *-638.13* | |
| | | *For Class 54 Rating, Add* | *884.88* | |
| | | *For Class 55 Rating, Add* | *1,323.07* | |
| | | *For Class 56 Rating, Add* | *1,755.46* | |
| 40 05 19 00-2938 | EA | 20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,520.62 | 812.17 |
| | | *For Class 52 Rating, Deduct* | *-691.91* | |
| | | *For Class 54 Rating, Add* | *958.28* | |
| | | *For Class 55 Rating, Add* | *1,432.22* | |
| | | *For Class 56 Rating, Add* | *1,899.87* | |
| 40 05 19 00-2939 | EA | 20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,014.41 | 815.40 |
| | | *For Class 52 Rating, Deduct* | *-745.69* | |
| | | *For Class 54 Rating, Add* | *1,031.67* | |
| | | *For Class 55 Rating, Add* | *1,541.36* | |
| | | *For Class 56 Rating, Add* | *2,044.27* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2940 | EA | 20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,508.21 | 818.61 |
| | | *For Class 52 Rating, Deduct* | *-799.47* | |
| | | *For Class 54 Rating, Add* | *1,105.07* | |
| | | *For Class 55 Rating, Add* | *1,650.51* | |
| | | *For Class 56 Rating, Add* | *2,188.68* | |
| 40 05 19 00-2941 | EA | 20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,002.00 | 821.84 |
| | | *For Class 52 Rating, Deduct* | *-853.25* | |
| | | *For Class 54 Rating, Add* | *1,178.46* | |
| | | *For Class 55 Rating, Add* | *1,759.65* | |
| | | *For Class 56 Rating, Add* | *2,333.08* | |
| 40 05 19 00-2942 | EA | 20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,495.79 | 825.07 |
| | | *For Class 52 Rating, Deduct* | *-907.03* | |
| | | *For Class 54 Rating, Add* | *1,251.86* | |
| | | *For Class 55 Rating, Add* | *1,868.79* | |
| | | *For Class 56 Rating, Add* | *2,477.48* | |
| 40 05 19 00-2943 | EA | 20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,989.59 | 828.28 |
| | | *For Class 52 Rating, Deduct* | *-960.81* | |
| | | *For Class 54 Rating, Add* | *1,325.25* | |
| | | *For Class 55 Rating, Add* | *1,977.94* | |
| | | *For Class 56 Rating, Add* | *2,621.89* | |
| 40 05 19 00-2944 | EA | 20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,483.38 | 831.51 |
| | | *For Class 52 Rating, Deduct* | *-1,014.59* | |
| | | *For Class 54 Rating, Add* | *1,398.65* | |
| | | *For Class 55 Rating, Add* | *2,087.08* | |
| | | *For Class 56 Rating, Add* | *2,766.29* | |
| 40 05 19 00-2945 | EA | 20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,977.18 | 834.73 |
| | | *For Class 52 Rating, Deduct* | *-1,068.37* | |
| | | *For Class 54 Rating, Add* | *1,472.04* | |
| | | *For Class 55 Rating, Add* | *2,196.23* | |
| | | *For Class 56 Rating, Add* | *2,910.70* | |
| 40 05 19 00-2946 | EA | 20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,470.97 | 837.95 |
| | | *For Class 52 Rating, Deduct* | *-1,122.15* | |
| | | *For Class 54 Rating, Add* | *1,545.44* | |
| | | *For Class 55 Rating, Add* | *2,305.37* | |
| | | *For Class 56 Rating, Add* | *3,055.10* | |
| 40 05 19 00-2947 | EA | 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,964.76 | 841.18 |
| | | *For Class 52 Rating, Deduct* | *-1,175.93* | |
| | | *For Class 54 Rating, Add* | *1,618.83* | |
| | | *For Class 55 Rating, Add* | *2,414.51* | |
| | | *For Class 56 Rating, Add* | *3,199.51* | |
| 40 05 19 00-2948 | EA | 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,458.56 | 844.40 |
| | | *For Class 52 Rating, Deduct* | *-1,229.71* | |
| | | *For Class 54 Rating, Add* | *1,692.23* | |
| | | *For Class 55 Rating, Add* | *2,523.66* | |
| | | *For Class 56 Rating, Add* | *3,343.91* | |
| 40 05 19 00-2949 | EA | 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,952.35 | 847.62 |
| | | *For Class 52 Rating, Deduct* | *-1,283.49* | |
| | | *For Class 54 Rating, Add* | *1,765.62* | |
| | | *For Class 55 Rating, Add* | *2,632.80* | |
| | | *For Class 56 Rating, Add* | *3,488.31* | |
| 40 05 19 00-2950 | EA | 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,446.14 | 850.85 |
| | | *For Class 52 Rating, Deduct* | *-1,337.27* | |
| | | *For Class 54 Rating, Add* | *1,839.02* | |
| | | *For Class 55 Rating, Add* | *2,741.95* | |
| | | *For Class 56 Rating, Add* | *3,632.72* | |
| 40 05 19 00-2951 | EA | 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,939.93 | 854.07 |
| | | *For Class 52 Rating, Deduct* | *-1,391.05* | |
| | | *For Class 54 Rating, Add* | *1,912.41* | |
| | | *For Class 55 Rating, Add* | *2,851.09* | |
| | | *For Class 56 Rating, Add* | *3,777.12* | |
| 40 05 19 00-2952 | EA | 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,433.72 | 857.30 |
| | | *For Class 52 Rating, Deduct* | *-1,444.83* | |
| | | *For Class 54 Rating, Add* | *1,985.81* | |
| | | *For Class 55 Rating, Add* | *2,960.23* | |
| | | *For Class 56 Rating, Add* | *3,921.53* | |
| 40 05 19 00-2953 | EA | 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,927.52 | 860.51 |
| | | *For Class 52 Rating, Deduct* | *-1,498.61* | |
| | | *For Class 54 Rating, Add* | *2,059.20* | |
| | | *For Class 55 Rating, Add* | *3,069.38* | |
| | | *For Class 56 Rating, Add* | *4,065.93* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2954 | EA | 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,421.31 | 863.74 |
| | | *For Class 52 Rating, Deduct* | *-1,552.39* | |
| | | *For Class 54 Rating, Add* | *2,132.60* | |
| | | *For Class 55 Rating, Add* | *3,178.52* | |
| | | *For Class 56 Rating, Add* | *4,210.34* | |
| 40 05 19 00-2955 | EA | 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,915.11 | 866.97 |
| | | *For Class 52 Rating, Deduct* | *-1,606.17* | |
| | | *For Class 54 Rating, Add* | *2,205.99* | |
| | | *For Class 55 Rating, Add* | *3,287.67* | |
| | | *For Class 56 Rating, Add* | *4,354.74* | |
| 40 05 19 00-2956 | EA | 20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,408.90 | 870.18 |
| | | *For Class 52 Rating, Deduct* | *-1,659.95* | |
| | | *For Class 54 Rating, Add* | *2,279.39* | |
| | | *For Class 55 Rating, Add* | *3,396.81* | |
| | | *For Class 56 Rating, Add* | *4,499.14* | |
| 40 05 19 00-2957 | EA | 20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,902.68 | 873.41 |
| | | *For Class 52 Rating, Deduct* | *-1,713.73* | |
| | | *For Class 54 Rating, Add* | *2,352.78* | |
| | | *For Class 55 Rating, Add* | *3,505.95* | |
| | | *For Class 56 Rating, Add* | *4,643.55* | |
| 40 05 19 00-2958 | EA | 20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,396.48 | 876.63 |
| | | *For Class 52 Rating, Deduct* | *-1,767.51* | |
| | | *For Class 54 Rating, Add* | *2,426.18* | |
| | | *For Class 55 Rating, Add* | *3,615.10* | |
| | | *For Class 56 Rating, Add* | *4,787.95* | |
| 40 05 19 00-2959 | EA | 20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,890.27 | 879.85 |
| | | *For Class 52 Rating, Deduct* | *-1,821.29* | |
| | | *For Class 54 Rating, Add* | *2,499.57* | |
| | | *For Class 55 Rating, Add* | *3,724.24* | |
| | | *For Class 56 Rating, Add* | *4,932.35* | |
| 40 05 19 00-2960 | EA | 20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,384.07 | 883.08 |
| | | *For Class 52 Rating, Deduct* | *-1,875.07* | |
| | | *For Class 54 Rating, Add* | *2,572.97* | |
| | | *For Class 55 Rating, Add* | *3,833.39* | |
| | | *For Class 56 Rating, Add* | *5,076.76* | |
| 40 05 19 00-2961 | EA | 20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,877.86 | 886.30 |
| | | *For Class 52 Rating, Deduct* | *-1,928.85* | |
| | | *For Class 54 Rating, Add* | *2,646.36* | |
| | | *For Class 55 Rating, Add* | *3,942.53* | |
| | | *For Class 56 Rating, Add* | *5,221.16* | |
| 40 05 19 00-2962 | EA | 20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,371.65 | 889.52 |
| | | *For Class 52 Rating, Deduct* | *-1,982.63* | |
| | | *For Class 54 Rating, Add* | *2,719.76* | |
| | | *For Class 55 Rating, Add* | *4,051.67* | |
| | | *For Class 56 Rating, Add* | *5,365.57* | |
| 40 05 19 00-2963 | EA | 20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,865.44 | 892.74 |
| | | *For Class 52 Rating, Deduct* | *-2,036.41* | |
| | | *For Class 54 Rating, Add* | *2,793.15* | |
| | | *For Class 55 Rating, Add* | *4,160.82* | |
| | | *For Class 56 Rating, Add* | *5,509.97* | |
| 40 05 19 00-2964 | EA | 20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,359.23 | 895.97 |
| | | *For Class 52 Rating, Deduct* | *-2,090.19* | |
| | | *For Class 54 Rating, Add* | *2,866.55* | |
| | | *For Class 55 Rating, Add* | *4,269.96* | |
| | | *For Class 56 Rating, Add* | *5,654.38* | |
| 40 05 19 00-2965 | EA | 20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,853.03 | 899.19 |
| | | *For Class 52 Rating, Deduct* | *-2,143.97* | |
| | | *For Class 54 Rating, Add* | *2,939.94* | |
| | | *For Class 55 Rating, Add* | *4,379.11* | |
| | | *For Class 56 Rating, Add* | *5,798.78* | |
| 40 05 19 00-2966 | EA | 20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,346.82 | 902.41 |
| | | *For Class 52 Rating, Deduct* | *-2,197.75* | |
| | | *For Class 54 Rating, Add* | *3,013.34* | |
| | | *For Class 55 Rating, Add* | *4,488.25* | |
| | | *For Class 56 Rating, Add* | *5,943.18* | |
| 40 05 19 00-2967 | EA | 20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,840.61 | 905.64 |
| | | *For Class 52 Rating, Deduct* | *-2,251.53* | |
| | | *For Class 54 Rating, Add* | *3,086.73* | |
| | | *For Class 55 Rating, Add* | *4,597.39* | |
| | | *For Class 56 Rating, Add* | *6,087.59* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2968 | EA | 20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,334.41 | 908.86 |
| | | *For Class 52 Rating, Deduct* | *-2,305.31* | |
| | | *For Class 54 Rating, Add* | *3,160.13* | |
| | | *For Class 55 Rating, Add* | *4,706.54* | |
| | | *For Class 56 Rating, Add* | *6,231.99* | |
| 40 05 19 00-2969 | EA | 20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,828.20 | 912.08 |
| | | *For Class 52 Rating, Deduct* | *-2,359.09* | |
| | | *For Class 54 Rating, Add* | *3,233.52* | |
| | | *For Class 55 Rating, Add* | *4,815.68* | |
| | | *For Class 56 Rating, Add* | *6,376.40* | |
| 40 05 19 00-2970 | EA | 20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,322.00 | 915.31 |
| | | *For Class 52 Rating, Deduct* | *-2,412.87* | |
| | | *For Class 54 Rating, Add* | *3,306.92* | |
| | | *For Class 55 Rating, Add* | *4,924.83* | |
| | | *For Class 56 Rating, Add* | *6,520.80* | |

## 40 05 19 00-2971 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-2972 | EA | 24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,280.68 | 941.08 |
| | | *For Class 52 Rating, Deduct* | *-534.03* | |
| | | *For Class 54 Rating, Add* | *745.33* | |
| | | *For Class 55 Rating, Add* | *1,116.84* | |
| | | *For Class 56 Rating, Add* | *1,483.50* | |
| 40 05 19 00-2973 | EA | 24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,891.69 | 944.31 |
| | | *For Class 52 Rating, Deduct* | *-600.70* | |
| | | *For Class 54 Rating, Add* | *836.31* | |
| | | *For Class 55 Rating, Add* | *1,252.12* | |
| | | *For Class 56 Rating, Add* | *1,662.48* | |
| 40 05 19 00-2974 | EA | 24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,502.71 | 947.54 |
| | | *For Class 52 Rating, Deduct* | *-667.38* | |
| | | *For Class 54 Rating, Add* | *927.29* | |
| | | *For Class 55 Rating, Add* | *1,387.41* | |
| | | *For Class 56 Rating, Add* | *1,841.46* | |
| 40 05 19 00-2975 | EA | 24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,113.73 | 950.75 |
| | | *For Class 52 Rating, Deduct* | *-734.05* | |
| | | *For Class 54 Rating, Add* | *1,018.26* | |
| | | *For Class 55 Rating, Add* | *1,522.69* | |
| | | *For Class 56 Rating, Add* | *2,020.45* | |
| 40 05 19 00-2976 | EA | 24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,724.74 | 953.98 |
| | | *For Class 52 Rating, Deduct* | *-800.73* | |
| | | *For Class 54 Rating, Add* | *1,109.24* | |
| | | *For Class 55 Rating, Add* | *1,657.98* | |
| | | *For Class 56 Rating, Add* | *2,199.43* | |
| 40 05 19 00-2977 | EA | 24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,335.76 | 957.20 |
| | | *For Class 52 Rating, Deduct* | *-867.40* | |
| | | *For Class 54 Rating, Add* | *1,200.22* | |
| | | *For Class 55 Rating, Add* | *1,793.26* | |
| | | *For Class 56 Rating, Add* | *2,378.42* | |
| 40 05 19 00-2978 | EA | 24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,946.78 | 960.42 |
| | | *For Class 52 Rating, Deduct* | *-934.07* | |
| | | *For Class 54 Rating, Add* | *1,291.20* | |
| | | *For Class 55 Rating, Add* | *1,928.55* | |
| | | *For Class 56 Rating, Add* | *2,557.41* | |
| 40 05 19 00-2979 | EA | 24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,557.80 | 963.65 |
| | | *For Class 52 Rating, Deduct* | *-1,000.75* | |
| | | *For Class 54 Rating, Add* | *1,382.18* | |
| | | *For Class 55 Rating, Add* | *2,063.83* | |
| | | *For Class 56 Rating, Add* | *2,736.39* | |
| 40 05 19 00-2980 | EA | 24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,168.81 | 966.87 |
| | | *For Class 52 Rating, Deduct* | *-1,067.42* | |
| | | *For Class 54 Rating, Add* | *1,473.16* | |
| | | *For Class 55 Rating, Add* | *2,199.12* | |
| | | *For Class 56 Rating, Add* | *2,915.37* | |
| 40 05 19 00-2981 | EA | 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,779.83 | 970.10 |
| | | *For Class 52 Rating, Deduct* | *-1,134.10* | |
| | | *For Class 54 Rating, Add* | *1,564.14* | |
| | | *For Class 55 Rating, Add* | *2,334.40* | |
| | | *For Class 56 Rating, Add* | *3,094.36* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2982 | EA | 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,390.84 | 973.31 |
| | | *For Class 52 Rating, Deduct* | *-1,200.77* | |
| | | *For Class 54 Rating, Add* | *1,655.11* | |
| | | *For Class 55 Rating, Add* | *2,469.69* | |
| | | *For Class 56 Rating, Add* | *3,273.35* | |
| 40 05 19 00-2983 | EA | 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,001.85 | 976.54 |
| | | *For Class 52 Rating, Deduct* | *-1,267.45* | |
| | | *For Class 54 Rating, Add* | *1,746.09* | |
| | | *For Class 55 Rating, Add* | *2,604.97* | |
| | | *For Class 56 Rating, Add* | *3,452.33* | |
| 40 05 19 00-2984 | EA | 24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,612.88 | 979.77 |
| | | *For Class 52 Rating, Deduct* | *-1,334.12* | |
| | | *For Class 54 Rating, Add* | *1,837.07* | |
| | | *For Class 55 Rating, Add* | *2,740.26* | |
| | | *For Class 56 Rating, Add* | *3,631.32* | |
| 40 05 19 00-2985 | EA | 24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,223.89 | 982.98 |
| | | *For Class 52 Rating, Deduct* | *-1,400.80* | |
| | | *For Class 54 Rating, Add* | *1,928.05* | |
| | | *For Class 55 Rating, Add* | *2,875.54* | |
| | | *For Class 56 Rating, Add* | *3,810.30* | |
| 40 05 19 00-2986 | EA | 24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,834.90 | 986.21 |
| | | *For Class 52 Rating, Deduct* | *-1,467.47* | |
| | | *For Class 54 Rating, Add* | *2,019.03* | |
| | | *For Class 55 Rating, Add* | *3,010.83* | |
| | | *For Class 56 Rating, Add* | *3,989.28* | |
| 40 05 19 00-2987 | EA | 24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,445.93 | 989.43 |
| | | *For Class 52 Rating, Deduct* | *-1,534.15* | |
| | | *For Class 54 Rating, Add* | *2,110.01* | |
| | | *For Class 55 Rating, Add* | *3,146.11* | |
| | | *For Class 56 Rating, Add* | *4,168.27* | |
| 40 05 19 00-2988 | EA | 24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,056.94 | 992.65 |
| | | *For Class 52 Rating, Deduct* | *-1,600.82* | |
| | | *For Class 54 Rating, Add* | *2,200.99* | |
| | | *For Class 55 Rating, Add* | *3,281.40* | |
| | | *For Class 56 Rating, Add* | *4,347.26* | |
| 40 05 19 00-2989 | EA | 24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,667.96 | 995.88 |
| | | *For Class 52 Rating, Deduct* | *-1,667.50* | |
| | | *For Class 54 Rating, Add* | *2,291.96* | |
| | | *For Class 55 Rating, Add* | *3,416.68* | |
| | | *For Class 56 Rating, Add* | *4,526.24* | |
| 40 05 19 00-2990 | EA | 24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,278.98 | 999.10 |
| | | *For Class 52 Rating, Deduct* | *-1,734.17* | |
| | | *For Class 54 Rating, Add* | *2,382.94* | |
| | | *For Class 55 Rating, Add* | *3,551.97* | |
| | | *For Class 56 Rating, Add* | *4,705.23* | |
| 40 05 19 00-2991 | EA | 24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,890.00 | 1,002.32 |
| | | *For Class 52 Rating, Deduct* | *-1,800.85* | |
| | | *For Class 54 Rating, Add* | *2,473.92* | |
| | | *For Class 55 Rating, Add* | *3,687.25* | |
| | | *For Class 56 Rating, Add* | *4,884.21* | |
| 40 05 19 00-2992 | EA | 24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,501.01 | 1,005.55 |
| | | *For Class 52 Rating, Deduct* | *-1,867.52* | |
| | | *For Class 54 Rating, Add* | *2,564.90* | |
| | | *For Class 55 Rating, Add* | *3,822.54* | |
| | | *For Class 56 Rating, Add* | *5,063.20* | |
| 40 05 19 00-2993 | EA | 24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,112.03 | 1,008.77 |
| | | *For Class 52 Rating, Deduct* | *-1,934.19* | |
| | | *For Class 54 Rating, Add* | *2,655.88* | |
| | | *For Class 55 Rating, Add* | *3,957.82* | |
| | | *For Class 56 Rating, Add* | *5,242.18* | |
| 40 05 19 00-2994 | EA | 24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,723.04 | 1,011.99 |
| | | *For Class 52 Rating, Deduct* | *-2,000.87* | |
| | | *For Class 54 Rating, Add* | *2,746.86* | |
| | | *For Class 55 Rating, Add* | *4,093.11* | |
| | | *For Class 56 Rating, Add* | *5,421.17* | |
| 40 05 19 00-2995 | EA | 24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,334.05 | 1,015.21 |
| | | *For Class 52 Rating, Deduct* | *-2,067.54* | |
| | | *For Class 54 Rating, Add* | *2,837.84* | |
| | | *For Class 55 Rating, Add* | *4,228.39* | |
| | | *For Class 56 Rating, Add* | *5,600.15* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-2996 | EA | 24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,945.07 | 1,018.44 |
| | | *For Class 52 Rating, Deduct* | *-2,134.22* | |
| | | *For Class 54 Rating, Add* | *2,928.82* | |
| | | *For Class 55 Rating, Add* | *4,363.68* | |
| | | *For Class 56 Rating, Add* | *5,779.14* | |
| 40 05 19 00-2997 | EA | 24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,556.09 | 1,021.67 |
| | | *For Class 52 Rating, Deduct* | *-2,200.89* | |
| | | *For Class 54 Rating, Add* | *3,019.79* | |
| | | *For Class 55 Rating, Add* | *4,498.96* | |
| | | *For Class 56 Rating, Add* | *5,958.12* | |
| 40 05 19 00-2998 | EA | 24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,167.11 | 1,024.88 |
| | | *For Class 52 Rating, Deduct* | *-2,267.57* | |
| | | *For Class 54 Rating, Add* | *3,110.77* | |
| | | *For Class 55 Rating, Add* | *4,634.25* | |
| | | *For Class 56 Rating, Add* | *6,137.11* | |
| 40 05 19 00-2999 | EA | 24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,778.13 | 1,028.11 |
| | | *For Class 52 Rating, Deduct* | *-2,334.24* | |
| | | *For Class 54 Rating, Add* | *3,201.75* | |
| | | *For Class 55 Rating, Add* | *4,769.53* | |
| | | *For Class 56 Rating, Add* | *6,316.09* | |
| 40 05 19 00-3000 | EA | 24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,389.14 | 1,031.33 |
| | | *For Class 52 Rating, Deduct* | *-2,400.92* | |
| | | *For Class 54 Rating, Add* | *3,292.73* | |
| | | *For Class 55 Rating, Add* | *4,904.82* | |
| | | *For Class 56 Rating, Add* | *6,495.08* | |
| 40 05 19 00-3001 | EA | 24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,083.17 | 1,089.34 |
| | | *For Class 52 Rating, Deduct* | *-2,467.59* | |
| | | *For Class 54 Rating, Add* | *3,384.71* | |
| | | *For Class 55 Rating, Add* | *5,042.10* | |
| | | *For Class 56 Rating, Add* | *6,677.05* | |
| 40 05 19 00-3002 | EA | 24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,694.19 | 1,092.57 |
| | | *For Class 52 Rating, Deduct* | *-2,534.27* | |
| | | *For Class 54 Rating, Add* | *3,475.68* | |
| | | *For Class 55 Rating, Add* | *5,177.38* | |
| | | *For Class 56 Rating, Add* | *6,856.04* | |
| 40 05 19 00-3003 | EA | 24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,305.20 | 1,095.78 |
| | | *For Class 52 Rating, Deduct* | *-2,600.94* | |
| | | *For Class 54 Rating, Add* | *3,566.66* | |
| | | *For Class 55 Rating, Add* | *5,312.66* | |
| | | *For Class 56 Rating, Add* | *7,035.02* | |
| 40 05 19 00-3004 | EA | 24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,916.23 | 1,099.01 |
| | | *For Class 52 Rating, Deduct* | *-2,667.62* | |
| | | *For Class 54 Rating, Add* | *3,657.64* | |
| | | *For Class 55 Rating, Add* | *5,447.95* | |
| | | *For Class 56 Rating, Add* | *7,214.01* | |
| 40 05 19 00-3005 | EA | 24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 26,527.24 | 1,102.24 |
| | | *For Class 52 Rating, Deduct* | *-2,734.29* | |
| | | *For Class 54 Rating, Add* | *3,748.62* | |
| | | *For Class 55 Rating, Add* | *5,583.23* | |
| | | *For Class 56 Rating, Add* | *7,392.99* | |
| 40 05 19 00-3006 | EA | 24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,135.39 | 1,105.45 |
| | | *For Class 52 Rating, Deduct* | *-2,800.65* | |
| | | *For Class 54 Rating, Add* | *3,839.17* | |
| | | *For Class 55 Rating, Add* | *5,717.88* | |
| | | *For Class 56 Rating, Add* | *7,571.13* | |
| 40 05 19 00-3007 | EA | 24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,749.28 | 1,108.68 |
| | | *For Class 52 Rating, Deduct* | *-2,867.64* | |
| | | *For Class 54 Rating, Add* | *3,930.58* | |
| | | *For Class 55 Rating, Add* | *5,853.81* | |
| | | *For Class 56 Rating, Add* | *7,750.96* | |
| 40 05 19 00-3008 | EA | 24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,360.29 | 1,111.90 |
| | | *For Class 52 Rating, Deduct* | *-2,934.31* | |
| | | *For Class 54 Rating, Add* | *4,021.55* | |
| | | *For Class 55 Rating, Add* | *5,989.09* | |
| | | *For Class 56 Rating, Add* | *7,929.95* | |
| 40 05 19 00-3009 | EA | 24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,971.31 | 1,115.12 |
| | | *For Class 52 Rating, Deduct* | *-3,000.99* | |
| | | *For Class 54 Rating, Add* | *4,112.53* | |
| | | *For Class 55 Rating, Add* | *6,124.37* | |
| | | *For Class 56 Rating, Add* | *8,108.93* | |


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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3010 | | 30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)* | | |
| 40 05 19 00-3011 | EA | 30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,657.16 | 1,327.84 |
| | | *For Class 52 Rating, Deduct* | *-840.98* | |
| | | *For Class 54 Rating, Add* | *1,170.94* | |
| | | *For Class 55 Rating, Add* | *1,753.18* | |
| | | *For Class 56 Rating, Add* | *2,327.79* | |
| 40 05 19 00-3012 | EA | 30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,531.21 | 1,331.06 |
| | | *For Class 52 Rating, Deduct* | *-936.59* | |
| | | *For Class 54 Rating, Add* | *1,301.37* | |
| | | *For Class 55 Rating, Add* | *1,947.13* | |
| | | *For Class 56 Rating, Add* | *2,584.37* | |
| 40 05 19 00-3013 | EA | 30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,405.27 | 1,334.28 |
| | | *For Class 52 Rating, Deduct* | *-1,032.20* | |
| | | *For Class 54 Rating, Add* | *1,431.80* | |
| | | *For Class 55 Rating, Add* | *2,141.07* | |
| | | *For Class 56 Rating, Add* | *2,840.95* | |
| 40 05 19 00-3014 | EA | 30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,279.32 | 1,337.51 |
| | | *For Class 52 Rating, Deduct* | *-1,127.81* | |
| | | *For Class 54 Rating, Add* | *1,562.24* | |
| | | *For Class 55 Rating, Add* | *2,335.01* | |
| | | *For Class 56 Rating, Add* | *3,097.53* | |
| 40 05 19 00-3015 | EA | 30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,153.39 | 1,340.72 |
| | | *For Class 52 Rating, Deduct* | *-1,223.42* | |
| | | *For Class 54 Rating, Add* | *1,692.67* | |
| | | *For Class 55 Rating, Add* | *2,528.96* | |
| | | *For Class 56 Rating, Add* | *3,354.11* | |
| 40 05 19 00-3016 | EA | 30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,027.44 | 1,343.95 |
| | | *For Class 52 Rating, Deduct* | *-1,319.03* | |
| | | *For Class 54 Rating, Add* | *1,823.11* | |
| | | *For Class 55 Rating, Add* | *2,722.90* | |
| | | *For Class 56 Rating, Add* | *3,610.70* | |
| 40 05 19 00-3017 | EA | 30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,901.49 | 1,347.18 |
| | | *For Class 52 Rating, Deduct* | *-1,414.64* | |
| | | *For Class 54 Rating, Add* | *1,953.54* | |
| | | *For Class 55 Rating, Add* | *2,916.84* | |
| | | *For Class 56 Rating, Add* | *3,867.28* | |
| 40 05 19 00-3018 | EA | 30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,775.55 | 1,350.40 |
| | | *For Class 52 Rating, Deduct* | *-1,510.24* | |
| | | *For Class 54 Rating, Add* | *2,083.98* | |
| | | *For Class 55 Rating, Add* | *3,110.78* | |
| | | *For Class 56 Rating, Add* | *4,123.86* | |
| 40 05 19 00-3019 | EA | 30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,649.61 | 1,353.62 |
| | | *For Class 52 Rating, Deduct* | *-1,605.85* | |
| | | *For Class 54 Rating, Add* | *2,214.41* | |
| | | *For Class 55 Rating, Add* | *3,304.73* | |
| | | *For Class 56 Rating, Add* | *4,380.44* | |
| 40 05 19 00-3020 | EA | 30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,523.67 | 1,356.84 |
| | | *For Class 52 Rating, Deduct* | *-1,701.46* | |
| | | *For Class 54 Rating, Add* | *2,344.85* | |
| | | *For Class 55 Rating, Add* | *3,498.67* | |
| | | *For Class 56 Rating, Add* | *4,637.02* | |
| 40 05 19 00-3021 | EA | 30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,397.72 | 1,360.07 |
| | | *For Class 52 Rating, Deduct* | *-1,797.07* | |
| | | *For Class 54 Rating, Add* | *2,475.28* | |
| | | *For Class 55 Rating, Add* | *3,692.61* | |
| | | *For Class 56 Rating, Add* | *4,893.60* | |
| 40 05 19 00-3022 | EA | 30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,271.77 | 1,363.29 |
| | | *For Class 52 Rating, Deduct* | *-1,892.68* | |
| | | *For Class 54 Rating, Add* | *2,605.71* | |
| | | *For Class 55 Rating, Add* | *3,886.55* | |
| | | *For Class 56 Rating, Add* | *5,150.18* | |
| 40 05 19 00-3023 | EA | 30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,145.83 | 1,366.51 |
| | | *For Class 52 Rating, Deduct* | *-1,988.29* | |
| | | *For Class 54 Rating, Add* | *2,736.15* | |
| | | *For Class 55 Rating, Add* | *4,080.50* | |
| | | *For Class 56 Rating, Add* | *5,406.77* | |
| 40 05 19 00-3024 | EA | 30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,019.88 | 1,369.74 |
| | | *For Class 52 Rating, Deduct* | *-2,083.90* | |
| | | *For Class 54 Rating, Add* | *2,866.58* | |
| | | *For Class 55 Rating, Add* | *4,274.44* | |
| | | *For Class 56 Rating, Add* | *5,663.35* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3025 | EA | 30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,893.94 | 1,372.95 |
| | | *For Class 52 Rating, Deduct* | *-2,179.51* | |
| | | *For Class 54 Rating, Add* | *2,997.02* | |
| | | *For Class 55 Rating, Add* | *4,468.38* | |
| | | *For Class 56 Rating, Add* | *5,919.93* | |
| 40 05 19 00-3026 | EA | 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,767.99 | 1,376.18 |
| | | *For Class 52 Rating, Deduct* | *-2,275.12* | |
| | | *For Class 54 Rating, Add* | *3,127.45* | |
| | | *For Class 55 Rating, Add* | *4,662.32* | |
| | | *For Class 56 Rating, Add* | *6,176.51* | |
| 40 05 19 00-3027 | EA | 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,642.05 | 1,379.41 |
| | | *For Class 52 Rating, Deduct* | *-2,370.73* | |
| | | *For Class 54 Rating, Add* | *3,257.89* | |
| | | *For Class 55 Rating, Add* | *4,856.27* | |
| | | *For Class 56 Rating, Add* | *6,433.09* | |
| 40 05 19 00-3028 | EA | 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,516.11 | 1,382.62 |
| | | *For Class 52 Rating, Deduct* | *-2,466.33* | |
| | | *For Class 54 Rating, Add* | *3,388.32* | |
| | | *For Class 55 Rating, Add* | *5,050.21* | |
| | | *For Class 56 Rating, Add* | *6,689.68* | |
| 40 05 19 00-3029 | EA | 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,390.16 | 1,385.85 |
| | | *For Class 52 Rating, Deduct* | *-2,561.94* | |
| | | *For Class 54 Rating, Add* | *3,518.76* | |
| | | *For Class 55 Rating, Add* | *5,244.15* | |
| | | *For Class 56 Rating, Add* | *6,946.26* | |
| 40 05 19 00-3030 | EA | 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 26,264.22 | 1,389.07 |
| | | *For Class 52 Rating, Deduct* | *-2,657.55* | |
| | | *For Class 54 Rating, Add* | *3,649.19* | |
| | | *For Class 55 Rating, Add* | *5,438.09* | |
| | | *For Class 56 Rating, Add* | *7,202.84* | |
| 40 05 19 00-3031 | EA | 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,138.28 | 1,392.29 |
| | | *For Class 52 Rating, Deduct* | *-2,753.16* | |
| | | *For Class 54 Rating, Add* | *3,779.63* | |
| | | *For Class 55 Rating, Add* | *5,632.04* | |
| | | *For Class 56 Rating, Add* | *7,459.42* | |
| 40 05 19 00-3032 | EA | 30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,012.33 | 1,395.52 |
| | | *For Class 52 Rating, Deduct* | *-2,848.77* | |
| | | *For Class 54 Rating, Add* | *3,910.06* | |
| | | *For Class 55 Rating, Add* | *5,825.98* | |
| | | *For Class 56 Rating, Add* | *7,716.00* | |
| 40 05 19 00-3033 | EA | 30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,886.39 | 1,398.74 |
| | | *For Class 52 Rating, Deduct* | *-2,944.38* | |
| | | *For Class 54 Rating, Add* | *4,040.49* | |
| | | *For Class 55 Rating, Add* | *6,019.92* | |
| | | *For Class 56 Rating, Add* | *7,972.58* | |
| 40 05 19 00-3034 | EA | 30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 29,760.44 | 1,401.97 |
| | | *For Class 52 Rating, Deduct* | *-3,039.99* | |
| | | *For Class 54 Rating, Add* | *4,170.93* | |
| | | *For Class 55 Rating, Add* | *6,213.86* | |
| | | *For Class 56 Rating, Add* | *8,229.16* | |
| 40 05 19 00-3035 | EA | 30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 30,634.50 | 1,405.18 |
| | | *For Class 52 Rating, Deduct* | *-3,135.60* | |
| | | *For Class 54 Rating, Add* | *4,301.36* | |
| | | *For Class 55 Rating, Add* | *6,407.81* | |
| | | *For Class 56 Rating, Add* | *8,485.75* | |
| 40 05 19 00-3036 | EA | 30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 31,508.55 | 1,408.41 |
| | | *For Class 52 Rating, Deduct* | *-3,231.21* | |
| | | *For Class 54 Rating, Add* | *4,431.80* | |
| | | *For Class 55 Rating, Add* | *6,601.75* | |
| | | *For Class 56 Rating, Add* | *8,742.33* | |
| 40 05 19 00-3037 | EA | 30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 32,382.60 | 1,411.64 |
| | | *For Class 52 Rating, Deduct* | *-3,326.81* | |
| | | *For Class 54 Rating, Add* | *4,562.23* | |
| | | *For Class 55 Rating, Add* | *6,795.69* | |
| | | *For Class 56 Rating, Add* | *8,998.91* | |
| 40 05 19 00-3038 | EA | 30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 33,256.66 | 1,414.85 |
| | | *For Class 52 Rating, Deduct* | *-3,422.42* | |
| | | *For Class 54 Rating, Add* | *4,692.67* | |
| | | *For Class 55 Rating, Add* | *6,989.63* | |
| | | *For Class 56 Rating, Add* | *9,255.49* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3039 | EA | 30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 34,130.72 | 1,418.08 |
| | | *For Class 52 Rating, Deduct* | *-3,518.03* | |
| | | *For Class 54 Rating, Add* | *4,823.10* | |
| | | *For Class 55 Rating, Add* | *7,183.58* | |
| | | *For Class 56 Rating, Add* | *9,512.08* | |
| 40 05 19 00-3040 | EA | 30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 35,004.78 | 1,421.30 |
| | | *For Class 52 Rating, Deduct* | *-3,613.64* | |
| | | *For Class 54 Rating, Add* | *4,953.54* | |
| | | *For Class 55 Rating, Add* | *7,377.52* | |
| | | *For Class 56 Rating, Add* | *9,768.66* | |
| 40 05 19 00-3041 | EA | 30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 35,878.83 | 1,424.52 |
| | | *For Class 52 Rating, Deduct* | *-3,709.25* | |
| | | *For Class 54 Rating, Add* | *5,083.97* | |
| | | *For Class 55 Rating, Add* | *7,571.46* | |
| | | *For Class 56 Rating, Add* | *10,025.24* | |
| 40 05 19 00-3042 | EA | 30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 36,752.88 | 1,427.75 |
| | | *For Class 52 Rating, Deduct* | *-3,804.86* | |
| | | *For Class 54 Rating, Add* | *5,214.40* | |
| | | *For Class 55 Rating, Add* | *7,765.41* | |
| | | *For Class 56 Rating, Add* | *10,281.82* | |
| 40 05 19 00-3043 | EA | 30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 37,626.95 | 1,430.97 |
| | | *For Class 52 Rating, Deduct* | *-3,900.47* | |
| | | *For Class 54 Rating, Add* | *5,344.84* | |
| | | *For Class 55 Rating, Add* | *7,959.35* | |
| | | *For Class 56 Rating, Add* | *10,538.40* | |
| 40 05 19 00-3044 | EA | 30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 38,501.00 | 1,434.19 |
| | | *For Class 52 Rating, Deduct* | *-3,996.08* | |
| | | *For Class 54 Rating, Add* | *5,475.27* | |
| | | *For Class 55 Rating, Add* | *8,153.29* | |
| | | *For Class 56 Rating, Add* | *10,794.98* | |
| 40 05 19 00-3045 | EA | 30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 39,375.06 | 1,437.41 |
| | | *For Class 52 Rating, Deduct* | *-4,091.69* | |
| | | *For Class 54 Rating, Add* | *5,605.71* | |
| | | *For Class 55 Rating, Add* | *8,347.23* | |
| | | *For Class 56 Rating, Add* | *11,051.56* | |

## 40 05 19 00-3046 36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3047 | EA | 36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,359.35 | 1,682.35 |
| | | *For Class 52 Rating, Deduct* | *-1,189.14* | |
| | | *For Class 54 Rating, Add* | *1,652.14* | |
| | | *For Class 55 Rating, Add* | *2,471.88* | |
| | | *For Class 56 Rating, Add* | *3,280.81* | |
| 40 05 19 00-3048 | EA | 36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,530.75 | 1,685.58 |
| | | *For Class 52 Rating, Deduct* | *-1,317.45* | |
| | | *For Class 54 Rating, Add* | *1,827.17* | |
| | | *For Class 55 Rating, Add* | *2,732.13* | |
| | | *For Class 56 Rating, Add* | *3,625.11* | |
| 40 05 19 00-3049 | EA | 36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,702.16 | 1,688.81 |
| | | *For Class 52 Rating, Deduct* | *-1,445.77* | |
| | | *For Class 54 Rating, Add* | *2,002.21* | |
| | | *For Class 55 Rating, Add* | *2,992.38* | |
| | | *For Class 56 Rating, Add* | *3,969.41* | |
| 40 05 19 00-3050 | EA | 36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,873.57 | 1,692.02 |
| | | *For Class 52 Rating, Deduct* | *-1,574.09* | |
| | | *For Class 54 Rating, Add* | *2,177.25* | |
| | | *For Class 55 Rating, Add* | *3,252.64* | |
| | | *For Class 56 Rating, Add* | *4,313.71* | |
| 40 05 19 00-3051 | EA | 36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,044.98 | 1,695.25 |
| | | *For Class 52 Rating, Deduct* | *-1,702.41* | |
| | | *For Class 54 Rating, Add* | *2,352.29* | |
| | | *For Class 55 Rating, Add* | *3,512.89* | |
| | | *For Class 56 Rating, Add* | *4,658.01* | |
| 40 05 19 00-3052 | EA | 36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,216.38 | 1,698.47 |
| | | *For Class 52 Rating, Deduct* | *-1,830.72* | |
| | | *For Class 54 Rating, Add* | *2,527.32* | |
| | | *For Class 55 Rating, Add* | *3,773.14* | |
| | | *For Class 56 Rating, Add* | *5,002.31* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3053 | EA | 36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,387.78 | 1,701.69 |
| | | *For Class 52 Rating, Deduct* | *-1,959.04* | |
| | | *For Class 54 Rating, Add* | *2,702.36* | |
| | | *For Class 55 Rating, Add* | *4,033.39* | |
| | | *For Class 56 Rating, Add* | *5,346.61* | |
| 40 05 19 00-3054 | EA | 36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,559.19 | 1,704.92 |
| | | *For Class 52 Rating, Deduct* | *-2,087.36* | |
| | | *For Class 54 Rating, Add* | *2,877.40* | |
| | | *For Class 55 Rating, Add* | *4,293.64* | |
| | | *For Class 56 Rating, Add* | *5,690.91* | |
| 40 05 19 00-3055 | EA | 36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,730.59 | 1,708.14 |
| | | *For Class 52 Rating, Deduct* | *-2,215.68* | |
| | | *For Class 54 Rating, Add* | *3,052.43* | |
| | | *For Class 55 Rating, Add* | *4,553.89* | |
| | | *For Class 56 Rating, Add* | *6,035.21* | |
| 40 05 19 00-3056 | EA | 36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,902.00 | 1,711.36 |
| | | *For Class 52 Rating, Deduct* | *-2,343.99* | |
| | | *For Class 54 Rating, Add* | *3,227.47* | |
| | | *For Class 55 Rating, Add* | *4,814.14* | |
| | | *For Class 56 Rating, Add* | *6,379.51* | |
| 40 05 19 00-3057 | EA | 36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,073.40 | 1,714.58 |
| | | *For Class 52 Rating, Deduct* | *-2,472.31* | |
| | | *For Class 54 Rating, Add* | *3,402.51* | |
| | | *For Class 55 Rating, Add* | *5,074.39* | |
| | | *For Class 56 Rating, Add* | *6,723.81* | |
| 40 05 19 00-3058 | EA | 36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 26,244.80 | 1,717.81 |
| | | *For Class 52 Rating, Deduct* | *-2,600.63* | |
| | | *For Class 54 Rating, Add* | *3,577.54* | |
| | | *For Class 55 Rating, Add* | *5,334.65* | |
| | | *For Class 56 Rating, Add* | *7,068.11* | |
| 40 05 19 00-3059 | EA | 36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,416.20 | 1,721.03 |
| | | *For Class 52 Rating, Deduct* | *-2,728.94* | |
| | | *For Class 54 Rating, Add* | *3,752.58* | |
| | | *For Class 55 Rating, Add* | *5,594.90* | |
| | | *For Class 56 Rating, Add* | *7,412.41* | |
| 40 05 19 00-3060 | EA | 36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,587.61 | 1,724.25 |
| | | *For Class 52 Rating, Deduct* | *-2,857.26* | |
| | | *For Class 54 Rating, Add* | *3,927.62* | |
| | | *For Class 55 Rating, Add* | *5,855.15* | |
| | | *For Class 56 Rating, Add* | *7,756.71* | |
| 40 05 19 00-3061 | EA | 36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 29,759.02 | 1,727.48 |
| | | *For Class 52 Rating, Deduct* | *-2,985.58* | |
| | | *For Class 54 Rating, Add* | *4,102.65* | |
| | | *For Class 55 Rating, Add* | *6,115.40* | |
| | | *For Class 56 Rating, Add* | *8,101.01* | |
| 40 05 19 00-3062 | EA | 36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 30,930.42 | 1,730.70 |
| | | *For Class 52 Rating, Deduct* | *-3,113.90* | |
| | | *For Class 54 Rating, Add* | *4,277.69* | |
| | | *For Class 55 Rating, Add* | *6,375.65* | |
| | | *For Class 56 Rating, Add* | *8,445.31* | |
| 40 05 19 00-3063 | EA | 36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 32,101.82 | 1,733.92 |
| | | *For Class 52 Rating, Deduct* | *-3,242.21* | |
| | | *For Class 54 Rating, Add* | *4,452.73* | |
| | | *For Class 55 Rating, Add* | *6,635.90* | |
| | | *For Class 56 Rating, Add* | *8,789.61* | |
| 40 05 19 00-3064 | EA | 36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 33,273.23 | 1,737.15 |
| | | *For Class 52 Rating, Deduct* | *-3,370.53* | |
| | | *For Class 54 Rating, Add* | *4,627.76* | |
| | | *For Class 55 Rating, Add* | *6,896.15* | |
| | | *For Class 56 Rating, Add* | *9,133.90* | |
| 40 05 19 00-3065 | EA | 36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 34,444.63 | 1,740.37 |
| | | *For Class 52 Rating, Deduct* | *-3,498.85* | |
| | | *For Class 54 Rating, Add* | *4,802.80* | |
| | | *For Class 55 Rating, Add* | *7,156.41* | |
| | | *For Class 56 Rating, Add* | *9,478.20* | |
| 40 05 19 00-3066 | EA | 36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 35,616.04 | 1,743.59 |
| | | *For Class 52 Rating, Deduct* | *-3,627.17* | |
| | | *For Class 54 Rating, Add* | *4,977.84* | |
| | | *For Class 55 Rating, Add* | *7,416.66* | |
| | | *For Class 56 Rating, Add* | *9,822.50* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3067 | EA | 36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 36,787.44 | 1,746.81 |
| | | *For Class 52 Rating, Deduct* | *-3,755.48* | |
| | | *For Class 54 Rating, Add* | *5,152.87* | |
| | | *For Class 55 Rating, Add* | *7,676.91* | |
| | | *For Class 56 Rating, Add* | *10,166.80* | |
| 40 05 19 00-3068 | EA | 36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 37,958.84 | 1,750.04 |
| | | *For Class 52 Rating, Deduct* | *-3,883.80* | |
| | | *For Class 54 Rating, Add* | *5,327.91* | |
| | | *For Class 55 Rating, Add* | *7,937.16* | |
| | | *For Class 56 Rating, Add* | *10,511.10* | |
| 40 05 19 00-3069 | EA | 36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 39,130.25 | 1,753.26 |
| | | *For Class 52 Rating, Deduct* | *-4,012.12* | |
| | | *For Class 54 Rating, Add* | *5,502.95* | |
| | | *For Class 55 Rating, Add* | *8,197.41* | |
| | | *For Class 56 Rating, Add* | *10,855.40* | |
| 40 05 19 00-3070 | EA | 36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 40,301.65 | 1,756.48 |
| | | *For Class 52 Rating, Deduct* | *-4,140.43* | |
| | | *For Class 54 Rating, Add* | *5,677.98* | |
| | | *For Class 55 Rating, Add* | *8,457.66* | |
| | | *For Class 56 Rating, Add* | *11,199.70* | |
| 40 05 19 00-3071 | EA | 36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 41,473.07 | 1,759.71 |
| | | *For Class 52 Rating, Deduct* | *-4,268.75* | |
| | | *For Class 54 Rating, Add* | *5,853.02* | |
| | | *For Class 55 Rating, Add* | *8,717.91* | |
| | | *For Class 56 Rating, Add* | *11,544.00* | |
| 40 05 19 00-3072 | EA | 36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 42,644.46 | 1,762.93 |
| | | *For Class 52 Rating, Deduct* | *-4,397.07* | |
| | | *For Class 54 Rating, Add* | *6,028.06* | |
| | | *For Class 55 Rating, Add* | *8,978.17* | |
| | | *For Class 56 Rating, Add* | *11,888.30* | |
| 40 05 19 00-3073 | EA | 36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 43,815.86 | 1,766.15 |
| | | *For Class 52 Rating, Deduct* | *-4,525.39* | |
| | | *For Class 54 Rating, Add* | *6,203.09* | |
| | | *For Class 55 Rating, Add* | *9,238.42* | |
| | | *For Class 56 Rating, Add* | *12,232.60* | |
| 40 05 19 00-3074 | EA | 36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 44,987.27 | 1,769.38 |
| | | *For Class 52 Rating, Deduct* | *-4,653.70* | |
| | | *For Class 54 Rating, Add* | *6,378.13* | |
| | | *For Class 55 Rating, Add* | *9,498.67* | |
| | | *For Class 56 Rating, Add* | *12,576.90* | |
| 40 05 19 00-3075 | EA | 36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 46,158.67 | 1,772.59 |
| | | *For Class 52 Rating, Deduct* | *-4,782.02* | |
| | | *For Class 54 Rating, Add* | *6,553.17* | |
| | | *For Class 55 Rating, Add* | *9,758.92* | |
| | | *For Class 56 Rating, Add* | *12,921.20* | |
| 40 05 19 00-3076 | EA | 36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 47,330.08 | 1,775.82 |
| | | *For Class 52 Rating, Deduct* | *-4,910.34* | |
| | | *For Class 54 Rating, Add* | *6,728.20* | |
| | | *For Class 55 Rating, Add* | *10,019.17* | |
| | | *For Class 56 Rating, Add* | *13,265.50* | |
| 40 05 19 00-3077 | EA | 36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 48,501.48 | 1,779.05 |
| | | *For Class 52 Rating, Deduct* | *-5,038.66* | |
| | | *For Class 54 Rating, Add* | *6,903.24* | |
| | | *For Class 55 Rating, Add* | *10,279.42* | |
| | | *For Class 56 Rating, Add* | *13,609.80* | |
| 40 05 19 00-3078 | EA | 36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 49,672.88 | 1,782.26 |
| | | *For Class 52 Rating, Deduct* | *-5,166.97* | |
| | | *For Class 54 Rating, Add* | *7,078.28* | |
| | | *For Class 55 Rating, Add* | *10,539.67* | |
| | | *For Class 56 Rating, Add* | *13,954.10* | |
| 40 05 19 00-3079 | EA | 36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 50,844.29 | 1,785.49 |
| | | *For Class 52 Rating, Deduct* | *-5,295.29* | |
| | | *For Class 54 Rating, Add* | *7,253.31* | |
| | | *For Class 55 Rating, Add* | *10,799.92* | |
| | | *For Class 56 Rating, Add* | *14,298.40* | |
| 40 05 19 00-3080 | EA | 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 52,015.69 | 1,788.71 |
| | | *For Class 52 Rating, Deduct* | *-5,423.61* | |
| | | *For Class 54 Rating, Add* | *7,428.35* | |
| | | *For Class 55 Rating, Add* | *11,060.18* | |
| | | *For Class 56 Rating, Add* | *14,642.69* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3081 | EA | 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 53,187.11 | 1,791.94 |
| | | *For Class 52 Rating, Deduct* | *-5,551.93* | |
| | | *For Class 54 Rating, Add* | *7,603.39* | |
| | | *For Class 55 Rating, Add* | *11,320.43* | |
| | | *For Class 56 Rating, Add* | *14,987.00* | |

## 40 05 19 00-3082 Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

## 40 05 19 00-3083 4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3084 | EA | 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 722.00 | 157.62 |
| | | *For Class 52 Rating, Deduct* | *-53.15* | |
| | | *For Class 54 Rating, Add* | *75.34* | |
| | | *For Class 55 Rating, Add* | *113.48* | |
| | | *For Class 56 Rating, Add* | *151.14* | |
| 40 05 19 00-3085 | EA | 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 834.83 | 160.37 |
| | | *For Class 52 Rating, Deduct* | *-65.10* | |
| | | *For Class 54 Rating, Add* | *91.69* | |
| | | *For Class 55 Rating, Add* | *137.81* | |
| | | *For Class 56 Rating, Add* | *183.34* | |
| 40 05 19 00-3086 | EA | 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 947.64 | 163.13 |
| | | *For Class 52 Rating, Deduct* | *-77.05* | |
| | | *For Class 54 Rating, Add* | *108.04* | |
| | | *For Class 55 Rating, Add* | *162.14* | |
| | | *For Class 56 Rating, Add* | *215.54* | |
| 40 05 19 00-3087 | EA | 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,060.47 | 165.88 |
| | | *For Class 52 Rating, Deduct* | *-89.00* | |
| | | *For Class 54 Rating, Add* | *124.39* | |
| | | *For Class 55 Rating, Add* | *186.47* | |
| | | *For Class 56 Rating, Add* | *247.74* | |
| 40 05 19 00-3088 | EA | 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,173.29 | 168.64 |
| | | *For Class 52 Rating, Deduct* | *-100.96* | |
| | | *For Class 54 Rating, Add* | *140.73* | |
| | | *For Class 55 Rating, Add* | *210.80* | |
| | | *For Class 56 Rating, Add* | *279.94* | |
| 40 05 19 00-3089 | EA | 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,286.11 | 171.40 |
| | | *For Class 52 Rating, Deduct* | *-112.91* | |
| | | *For Class 54 Rating, Add* | *157.08* | |
| | | *For Class 55 Rating, Add* | *235.12* | |
| | | *For Class 56 Rating, Add* | *312.14* | |
| 40 05 19 00-3090 | EA | 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,398.93 | 174.16 |
| | | *For Class 52 Rating, Deduct* | *-124.86* | |
| | | *For Class 54 Rating, Add* | *173.43* | |
| | | *For Class 55 Rating, Add* | *259.45* | |
| | | *For Class 56 Rating, Add* | *344.34* | |
| 40 05 19 00-3091 | EA | 4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,511.76 | 176.91 |
| | | *For Class 52 Rating, Deduct* | *-136.81* | |
| | | *For Class 54 Rating, Add* | *189.77* | |
| | | *For Class 55 Rating, Add* | *283.78* | |
| | | *For Class 56 Rating, Add* | *376.55* | |
| 40 05 19 00-3092 | EA | 4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,624.58 | 179.67 |
| | | *For Class 52 Rating, Deduct* | *-148.76* | |
| | | *For Class 54 Rating, Add* | *206.12* | |
| | | *For Class 55 Rating, Add* | *308.11* | |
| | | *For Class 56 Rating, Add* | *408.75* | |
| 40 05 19 00-3093 | EA | 4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,737.40 | 182.42 |
| | | *For Class 52 Rating, Deduct* | *-160.71* | |
| | | *For Class 54 Rating, Add* | *222.47* | |
| | | *For Class 55 Rating, Add* | *332.44* | |
| | | *For Class 56 Rating, Add* | *440.95* | |
| 40 05 19 00-3094 | EA | 4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,850.22 | 185.17 |
| | | *For Class 52 Rating, Deduct* | *-172.66* | |
| | | *For Class 54 Rating, Add* | *238.82* | |
| | | *For Class 55 Rating, Add* | *356.77* | |
| | | *For Class 56 Rating, Add* | *473.15* | |
| 40 05 19 00-3095 | EA | 4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,963.04 | 187.93 |
| | | *For Class 52 Rating, Deduct* | *-184.61* | |
| | | *For Class 54 Rating, Add* | *255.16* | |
| | | *For Class 55 Rating, Add* | *381.09* | |
| | | *For Class 56 Rating, Add* | *505.35* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3096 | EA | 4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,075.87 | 190.69 |
| | | *For Class 52 Rating, Deduct* | *-196.56* | |
| | | *For Class 54 Rating, Add* | *271.51* | |
| | | *For Class 55 Rating, Add* | *405.42* | |
| | | *For Class 56 Rating, Add* | *537.55* | |
| 40 05 19 00-3097 | EA | 4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,188.69 | 193.45 |
| | | *For Class 52 Rating, Deduct* | *-208.52* | |
| | | *For Class 54 Rating, Add* | *287.86* | |
| | | *For Class 55 Rating, Add* | *429.75* | |
| | | *For Class 56 Rating, Add* | *569.75* | |
| 40 05 19 00-3098 | EA | 4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,301.50 | 196.20 |
| | | *For Class 52 Rating, Deduct* | *-220.47* | |
| | | *For Class 54 Rating, Add* | *304.20* | |
| | | *For Class 55 Rating, Add* | *454.08* | |
| | | *For Class 56 Rating, Add* | *601.95* | |
| 40 05 19 00-3099 | EA | 4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,414.32 | 198.96 |
| | | *For Class 52 Rating, Deduct* | *-232.42* | |
| | | *For Class 54 Rating, Add* | *320.55* | |
| | | *For Class 55 Rating, Add* | *478.41* | |
| | | *For Class 56 Rating, Add* | *634.15* | |
| 40 05 19 00-3100 | EA | 4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,527.16 | 201.72 |
| | | *For Class 52 Rating, Deduct* | *-244.37* | |
| | | *For Class 54 Rating, Add* | *336.90* | |
| | | *For Class 55 Rating, Add* | *502.74* | |
| | | *For Class 56 Rating, Add* | *666.36* | |
| 40 05 19 00-3101 | EA | 4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,639.97 | 204.46 |
| | | *For Class 52 Rating, Deduct* | *-256.32* | |
| | | *For Class 54 Rating, Add* | *353.24* | |
| | | *For Class 55 Rating, Add* | *527.07* | |
| | | *For Class 56 Rating, Add* | *698.56* | |
| 40 05 19 00-3102 | EA | 4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,752.79 | 207.22 |
| | | *For Class 52 Rating, Deduct* | *-268.27* | |
| | | *For Class 54 Rating, Add* | *369.59* | |
| | | *For Class 55 Rating, Add* | *551.39* | |
| | | *For Class 56 Rating, Add* | *730.76* | |
| 40 05 19 00-3103 | EA | 4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,865.62 | 209.98 |
| | | *For Class 52 Rating, Deduct* | *-280.22* | |
| | | *For Class 54 Rating, Add* | *385.94* | |
| | | *For Class 55 Rating, Add* | *575.72* | |
| | | *For Class 56 Rating, Add* | *762.96* | |
| 40 05 19 00-3104 | EA | 4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,978.44 | 212.73 |
| | | *For Class 52 Rating, Deduct* | *-292.17* | |
| | | *For Class 54 Rating, Add* | *402.29* | |
| | | *For Class 55 Rating, Add* | *600.05* | |
| | | *For Class 56 Rating, Add* | *795.16* | |
| 40 05 19 00-3105 | EA | 4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,091.26 | 215.48 |
| | | *For Class 52 Rating, Deduct* | *-304.12* | |
| | | *For Class 54 Rating, Add* | *418.63* | |
| | | *For Class 55 Rating, Add* | *624.38* | |
| | | *For Class 56 Rating, Add* | *827.36* | |
| 40 05 19 00-3106 | EA | 4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,204.08 | 218.24 |
| | | *For Class 52 Rating, Deduct* | *-316.08* | |
| | | *For Class 54 Rating, Add* | *434.98* | |
| | | *For Class 55 Rating, Add* | *648.71* | |
| | | *For Class 56 Rating, Add* | *859.56* | |
| 40 05 19 00-3107 | EA | 4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,316.90 | 221.00 |
| | | *For Class 52 Rating, Deduct* | *-328.03* | |
| | | *For Class 54 Rating, Add* | *451.33* | |
| | | *For Class 55 Rating, Add* | *673.04* | |
| | | *For Class 56 Rating, Add* | *891.76* | |
| 40 05 19 00-3108 | EA | 4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,709.92 | 223.75 |
| | | *For Class 52 Rating, Deduct* | *-370.80* | |
| | | *For Class 54 Rating, Add* | *509.70* | |
| | | *For Class 55 Rating, Add* | *759.85* | |
| | | *For Class 56 Rating, Add* | *1,006.62* | |
| 40 05 19 00-3109 | EA | 4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,822.74 | 226.50 |
| | | *For Class 52 Rating, Deduct* | *-382.75* | |
| | | *For Class 54 Rating, Add* | *526.05* | |
| | | *For Class 55 Rating, Add* | *784.18* | |
| | | *For Class 56 Rating, Add* | *1,038.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3110 | EA | 4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,935.56 | 229.26 |
| | | *For Class 52 Rating, Deduct* | *-394.70* | |
| | | *For Class 54 Rating, Add* | *542.40* | |
| | | *For Class 55 Rating, Add* | *808.51* | |
| | | *For Class 56 Rating, Add* | *1,071.02* | |
| 40 05 19 00-3111 | EA | 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,048.38 | 232.02 |
| | | *For Class 52 Rating, Deduct* | *-406.65* | |
| | | *For Class 54 Rating, Add* | *558.74* | |
| | | *For Class 55 Rating, Add* | *832.83* | |
| | | *For Class 56 Rating, Add* | *1,103.22* | |
| 40 05 19 00-3112 | EA | 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,161.21 | 234.77 |
| | | *For Class 52 Rating, Deduct* | *-418.60* | |
| | | *For Class 54 Rating, Add* | *575.09* | |
| | | *For Class 55 Rating, Add* | *857.16* | |
| | | *For Class 56 Rating, Add* | *1,135.43* | |
| 40 05 19 00-3113 | EA | 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,274.03 | 237.53 |
| | | *For Class 52 Rating, Deduct* | *-430.56* | |
| | | *For Class 54 Rating, Add* | *591.44* | |
| | | *For Class 55 Rating, Add* | *881.49* | |
| | | *For Class 56 Rating, Add* | *1,167.63* | |
| 40 05 19 00-3114 | EA | 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,386.85 | 240.29 |
| | | *For Class 52 Rating, Deduct* | *-442.51* | |
| | | *For Class 54 Rating, Add* | *607.79* | |
| | | *For Class 55 Rating, Add* | *905.82* | |
| | | *For Class 56 Rating, Add* | *1,199.83* | |
| 40 05 19 00-3115 | EA | 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,499.67 | 243.05 |
| | | *For Class 52 Rating, Deduct* | *-454.46* | |
| | | *For Class 54 Rating, Add* | *624.13* | |
| | | *For Class 55 Rating, Add* | *930.15* | |
| | | *For Class 56 Rating, Add* | *1,232.03* | |
| 40 05 19 00-3116 | EA | 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,612.50 | 245.80 |
| | | *For Class 52 Rating, Deduct* | *-466.41* | |
| | | *For Class 54 Rating, Add* | *640.48* | |
| | | *For Class 55 Rating, Add* | *954.48* | |
| | | *For Class 56 Rating, Add* | *1,264.23* | |
| 40 05 19 00-3117 | EA | 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,725.31 | 248.55 |
| | | *For Class 52 Rating, Deduct* | *-478.36* | |
| | | *For Class 54 Rating, Add* | *656.83* | |
| | | *For Class 55 Rating, Add* | *978.80* | |
| | | *For Class 56 Rating, Add* | *1,296.43* | |
| 40 05 19 00-3118 | EA | 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,838.14 | 251.31 |
| | | *For Class 52 Rating, Deduct* | *-490.31* | |
| | | *For Class 54 Rating, Add* | *673.17* | |
| | | *For Class 55 Rating, Add* | *1,003.13* | |
| | | *For Class 56 Rating, Add* | *1,328.63* | |
| 40 05 19 00-3119 | EA | 4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,950.95 | 254.06 |
| | | *For Class 52 Rating, Deduct* | *-502.26* | |
| | | *For Class 54 Rating, Add* | *689.52* | |
| | | *For Class 55 Rating, Add* | *1,027.46* | |
| | | *For Class 56 Rating, Add* | *1,360.83* | |
| 40 05 19 00-3120 | EA | 4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,063.77 | 256.82 |
| | | *For Class 52 Rating, Deduct* | *-514.21* | |
| | | *For Class 54 Rating, Add* | *705.87* | |
| | | *For Class 55 Rating, Add* | *1,051.79* | |
| | | *For Class 56 Rating, Add* | *1,393.03* | |
| 40 05 19 00-3121 | EA | 4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,176.60 | 259.58 |
| | | *For Class 52 Rating, Deduct* | *-526.16* | |
| | | *For Class 54 Rating, Add* | *722.22* | |
| | | *For Class 55 Rating, Add* | *1,076.12* | |
| | | *For Class 56 Rating, Add* | *1,425.23* | |
| 40 05 19 00-3122 | EA | 4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,289.42 | 262.34 |
| | | *For Class 52 Rating, Deduct* | *-538.11* | |
| | | *For Class 54 Rating, Add* | *738.56* | |
| | | *For Class 55 Rating, Add* | *1,100.44* | |
| | | *For Class 56 Rating, Add* | *1,457.43* | |

40 05 19 00-3123 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3124 | EA | 6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 886.73 | 198.40 |
| | | *For Class 52 Rating, Deduct* | *-64.47* | |
| | | *For Class 54 Rating, Add* | *91.53* | |
| | | *For Class 55 Rating, Add* | *137.92* | |
| | | *For Class 56 Rating, Add* | *183.73* | |
| 40 05 19 00-3125 | EA | 6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,016.70 | 201.16 |
| | | *For Class 52 Rating, Deduct* | *-78.31* | |
| | | *For Class 54 Rating, Add* | *110.45* | |
| | | *For Class 55 Rating, Add* | *166.07* | |
| | | *For Class 56 Rating, Add* | *220.99* | |
| 40 05 19 00-3126 | EA | 6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,146.68 | 203.91 |
| | | *For Class 52 Rating, Deduct* | *-92.15* | |
| | | *For Class 54 Rating, Add* | *129.37* | |
| | | *For Class 55 Rating, Add* | *194.23* | |
| | | *For Class 56 Rating, Add* | *258.25* | |
| 40 05 19 00-3127 | EA | 6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,276.66 | 206.67 |
| | | *For Class 52 Rating, Deduct* | *-105.99* | |
| | | *For Class 54 Rating, Add* | *148.29* | |
| | | *For Class 55 Rating, Add* | *222.38* | |
| | | *For Class 56 Rating, Add* | *295.51* | |
| 40 05 19 00-3128 | EA | 6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,406.63 | 209.43 |
| | | *For Class 52 Rating, Deduct* | *-119.83* | |
| | | *For Class 54 Rating, Add* | *167.21* | |
| | | *For Class 55 Rating, Add* | *250.53* | |
| | | *For Class 56 Rating, Add* | *332.77* | |
| 40 05 19 00-3129 | EA | 6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,536.61 | 212.17 |
| | | *For Class 52 Rating, Deduct* | *-133.66* | |
| | | *For Class 54 Rating, Add* | *186.13* | |
| | | *For Class 55 Rating, Add* | *278.69* | |
| | | *For Class 56 Rating, Add* | *370.04* | |
| 40 05 19 00-3130 | EA | 6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,666.59 | 214.93 |
| | | *For Class 52 Rating, Deduct* | *-147.50* | |
| | | *For Class 54 Rating, Add* | *205.05* | |
| | | *For Class 55 Rating, Add* | *306.84* | |
| | | *For Class 56 Rating, Add* | *407.30* | |
| 40 05 19 00-3131 | EA | 6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,796.57 | 217.69 |
| | | *For Class 52 Rating, Deduct* | *-161.34* | |
| | | *For Class 54 Rating, Add* | *223.97* | |
| | | *For Class 55 Rating, Add* | *335.00* | |
| | | *For Class 56 Rating, Add* | *444.56* | |
| 40 05 19 00-3132 | EA | 6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,926.54 | 220.45 |
| | | *For Class 52 Rating, Deduct* | *-175.18* | |
| | | *For Class 54 Rating, Add* | *242.89* | |
| | | *For Class 55 Rating, Add* | *363.15* | |
| | | *For Class 56 Rating, Add* | *481.82* | |
| 40 05 19 00-3133 | EA | 6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,056.51 | 223.20 |
| | | *For Class 52 Rating, Deduct* | *-189.02* | |
| | | *For Class 54 Rating, Add* | *261.81* | |
| | | *For Class 55 Rating, Add* | *391.30* | |
| | | *For Class 56 Rating, Add* | *519.08* | |
| 40 05 19 00-3134 | EA | 6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,186.49 | 225.96 |
| | | *For Class 52 Rating, Deduct* | *-202.85* | |
| | | *For Class 54 Rating, Add* | *280.73* | |
| | | *For Class 55 Rating, Add* | *419.46* | |
| | | *For Class 56 Rating, Add* | *556.34* | |
| 40 05 19 00-3135 | EA | 6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,316.47 | 228.72 |
| | | *For Class 52 Rating, Deduct* | *-216.69* | |
| | | *For Class 54 Rating, Add* | *299.65* | |
| | | *For Class 55 Rating, Add* | *447.61* | |
| | | *For Class 56 Rating, Add* | *593.60* | |
| 40 05 19 00-3136 | EA | 6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,446.45 | 231.47 |
| | | *For Class 52 Rating, Deduct* | *-230.53* | |
| | | *For Class 54 Rating, Add* | *318.57* | |
| | | *For Class 55 Rating, Add* | *475.77* | |
| | | *For Class 56 Rating, Add* | *630.87* | |
| 40 05 19 00-3137 | EA | 6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,576.42 | 234.22 |
| | | *For Class 52 Rating, Deduct* | *-244.37* | |
| | | *For Class 54 Rating, Add* | *337.49* | |
| | | *For Class 55 Rating, Add* | *503.92* | |
| | | *For Class 56 Rating, Add* | *668.13* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3138 | EA | 6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,706.40 | 236.98 |
| | | *For Class 52 Rating, Deduct* | *-258.21* | |
| | | *For Class 54 Rating, Add* | *356.41* | |
| | | *For Class 55 Rating, Add* | *532.07* | |
| | | *For Class 56 Rating, Add* | *705.39* | |
| 40 05 19 00-3139 | EA | 6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,836.38 | 239.74 |
| | | *For Class 52 Rating, Deduct* | *-272.05* | |
| | | *For Class 54 Rating, Add* | *375.33* | |
| | | *For Class 55 Rating, Add* | *560.23* | |
| | | *For Class 56 Rating, Add* | *742.65* | |
| 40 05 19 00-3140 | EA | 6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,966.35 | 242.49 |
| | | *For Class 52 Rating, Deduct* | *-285.88* | |
| | | *For Class 54 Rating, Add* | *394.25* | |
| | | *For Class 55 Rating, Add* | *588.38* | |
| | | *For Class 56 Rating, Add* | *779.91* | |
| 40 05 19 00-3141 | EA | 6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,096.33 | 245.25 |
| | | *For Class 52 Rating, Deduct* | *-299.72* | |
| | | *For Class 54 Rating, Add* | *413.17* | |
| | | *For Class 55 Rating, Add* | *616.54* | |
| | | *For Class 56 Rating, Add* | *817.18* | |
| 40 05 19 00-3142 | EA | 6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,226.30 | 248.01 |
| | | *For Class 52 Rating, Deduct* | *-313.56* | |
| | | *For Class 54 Rating, Add* | *432.09* | |
| | | *For Class 55 Rating, Add* | *644.69* | |
| | | *For Class 56 Rating, Add* | *854.44* | |
| 40 05 19 00-3143 | EA | 6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,356.28 | 250.77 |
| | | *For Class 52 Rating, Deduct* | *-327.40* | |
| | | *For Class 54 Rating, Add* | *451.01* | |
| | | *For Class 55 Rating, Add* | *672.84* | |
| | | *For Class 56 Rating, Add* | *891.70* | |
| 40 05 19 00-3144 | EA | 6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,486.26 | 253.51 |
| | | *For Class 52 Rating, Deduct* | *-341.24* | |
| | | *For Class 54 Rating, Add* | *469.93* | |
| | | *For Class 55 Rating, Add* | *701.00* | |
| | | *For Class 56 Rating, Add* | *928.96* | |
| 40 05 19 00-3145 | EA | 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,616.24 | 256.27 |
| | | *For Class 52 Rating, Deduct* | *-355.07* | |
| | | *For Class 54 Rating, Add* | *488.85* | |
| | | *For Class 55 Rating, Add* | *729.15* | |
| | | *For Class 56 Rating, Add* | *966.22* | |
| 40 05 19 00-3146 | EA | 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,746.21 | 259.02 |
| | | *For Class 52 Rating, Deduct* | *-368.91* | |
| | | *For Class 54 Rating, Add* | *507.77* | |
| | | *For Class 55 Rating, Add* | *757.31* | |
| | | *For Class 56 Rating, Add* | *1,003.48* | |
| 40 05 19 00-3147 | EA | 6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,876.19 | 261.77 |
| | | *For Class 52 Rating, Deduct* | *-382.75* | |
| | | *For Class 54 Rating, Add* | *526.69* | |
| | | *For Class 55 Rating, Add* | *785.46* | |
| | | *For Class 56 Rating, Add* | *1,040.75* | |
| 40 05 19 00-3148 | EA | 6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,006.16 | 264.53 |
| | | *For Class 52 Rating, Deduct* | *-396.59* | |
| | | *For Class 54 Rating, Add* | *545.61* | |
| | | *For Class 55 Rating, Add* | *813.61* | |
| | | *For Class 56 Rating, Add* | *1,078.01* | |
| 40 05 19 00-3149 | EA | 6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,136.14 | 267.29 |
| | | *For Class 52 Rating, Deduct* | *-410.43* | |
| | | *For Class 54 Rating, Add* | *564.53* | |
| | | *For Class 55 Rating, Add* | *841.77* | |
| | | *For Class 56 Rating, Add* | *1,115.27* | |
| 40 05 19 00-3150 | EA | 6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,266.11 | 270.05 |
| | | *For Class 52 Rating, Deduct* | *-424.26* | |
| | | *For Class 54 Rating, Add* | *583.45* | |
| | | *For Class 55 Rating, Add* | *869.92* | |
| | | *For Class 56 Rating, Add* | *1,152.53* | |
| 40 05 19 00-3151 | EA | 6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,396.08 | 272.80 |
| | | *For Class 52 Rating, Deduct* | *-438.10* | |
| | | *For Class 54 Rating, Add* | *602.37* | |
| | | *For Class 55 Rating, Add* | *898.07* | |
| | | *For Class 56 Rating, Add* | *1,189.79* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3152 | EA | 6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,526.08 | 275.56 |
| | | *For Class 52 Rating, Deduct* | *-451.94* | |
| | | *For Class 54 Rating, Add* | *621.29* | |
| | | *For Class 55 Rating, Add* | *926.23* | |
| | | *For Class 56 Rating, Add* | *1,227.06* | |
| 40 05 19 00-3153 | EA | 6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,656.05 | 278.32 |
| | | *For Class 52 Rating, Deduct* | *-465.78* | |
| | | *For Class 54 Rating, Add* | *640.21* | |
| | | *For Class 55 Rating, Add* | *954.38* | |
| | | *For Class 56 Rating, Add* | *1,264.32* | |
| 40 05 19 00-3154 | EA | 6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,786.02 | 281.06 |
| | | *For Class 52 Rating, Deduct* | *-479.62* | |
| | | *For Class 54 Rating, Add* | *659.13* | |
| | | *For Class 55 Rating, Add* | *982.54* | |
| | | *For Class 56 Rating, Add* | *1,301.58* | |
| 40 05 19 00-3155 | EA | 6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,915.99 | 283.82 |
| | | *For Class 52 Rating, Deduct* | *-493.46* | |
| | | *For Class 54 Rating, Add* | *678.05* | |
| | | *For Class 55 Rating, Add* | *1,010.69* | |
| | | *For Class 56 Rating, Add* | *1,338.84* | |
| 40 05 19 00-3156 | EA | 6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,045.98 | 286.58 |
| | | *For Class 52 Rating, Deduct* | *-507.29* | |
| | | *For Class 54 Rating, Add* | *696.97* | |
| | | *For Class 55 Rating, Add* | *1,038.84* | |
| | | *For Class 56 Rating, Add* | *1,376.10* | |
| 40 05 19 00-3157 | EA | 6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,175.95 | 289.34 |
| | | *For Class 52 Rating, Deduct* | *-521.13* | |
| | | *For Class 54 Rating, Add* | *715.89* | |
| | | *For Class 55 Rating, Add* | *1,067.00* | |
| | | *For Class 56 Rating, Add* | *1,413.36* | |
| 40 05 19 00-3158 | EA | 6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,305.92 | 292.09 |
| | | *For Class 52 Rating, Deduct* | *-534.97* | |
| | | *For Class 54 Rating, Add* | *734.81* | |
| | | *For Class 55 Rating, Add* | *1,095.15* | |
| | | *For Class 56 Rating, Add* | *1,450.62* | |
| 40 05 19 00-3159 | EA | 6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,435.89 | 294.85 |
| | | *For Class 52 Rating, Deduct* | *-548.81* | |
| | | *For Class 54 Rating, Add* | *753.73* | |
| | | *For Class 55 Rating, Add* | *1,123.30* | |
| | | *For Class 56 Rating, Add* | *1,487.88* | |
| 40 05 19 00-3160 | EA | 6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,565.89 | 297.61 |
| | | *For Class 52 Rating, Deduct* | *-562.65* | |
| | | *For Class 54 Rating, Add* | *772.66* | |
| | | *For Class 55 Rating, Add* | *1,151.46* | |
| | | *For Class 56 Rating, Add* | *1,525.15* | |
| 40 05 19 00-3161 | EA | 6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,695.86 | 300.35 |
| | | *For Class 52 Rating, Deduct* | *-576.48* | |
| | | *For Class 54 Rating, Add* | *791.58* | |
| | | *For Class 55 Rating, Add* | *1,179.61* | |
| | | *For Class 56 Rating, Add* | *1,562.41* | |
| 40 05 19 00-3162 | EA | 6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,825.83 | 303.11 |
| | | *For Class 52 Rating, Deduct* | *-590.32* | |
| | | *For Class 54 Rating, Add* | *810.50* | |
| | | *For Class 55 Rating, Add* | *1,207.77* | |
| | | *For Class 56 Rating, Add* | *1,599.67* | |

### 40 05 19 00-3163 8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3164 | EA | 8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,210.40 | 253.51 |
| | | *For Class 52 Rating, Deduct* | *-90.89* | |
| | | *For Class 54 Rating, Add* | *128.55* | |
| | | *For Class 55 Rating, Add* | *193.48* | |
| | | *For Class 56 Rating, Add* | *257.58* | |
| 40 05 19 00-3165 | EA | 8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,377.55 | 256.27 |
| | | *For Class 52 Rating, Deduct* | *-108.82* | |
| | | *For Class 54 Rating, Add* | *153.05* | |
| | | *For Class 55 Rating, Add* | *229.92* | |
| | | *For Class 56 Rating, Add* | *305.81* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3166 | EA | 8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,544.69 | 259.02 |
| | | *For Class 52 Rating, Deduct* | *-126.75* | |
| | | *For Class 54 Rating, Add* | *177.54* | |
| | | *For Class 55 Rating, Add* | *266.37* | |
| | | *For Class 56 Rating, Add* | *354.04* | |
| 40 05 19 00-3167 | EA | 8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,711.84 | 261.77 |
| | | *For Class 52 Rating, Deduct* | *-144.67* | |
| | | *For Class 54 Rating, Add* | *202.04* | |
| | | *For Class 55 Rating, Add* | *302.81* | |
| | | *For Class 56 Rating, Add* | *402.26* | |
| 40 05 19 00-3168 | EA | 8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,878.97 | 264.53 |
| | | *For Class 52 Rating, Deduct* | *-162.60* | |
| | | *For Class 54 Rating, Add* | *226.53* | |
| | | *For Class 55 Rating, Add* | *339.25* | |
| | | *For Class 56 Rating, Add* | *450.49* | |
| 40 05 19 00-3169 | EA | 8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,046.12 | 267.29 |
| | | *For Class 52 Rating, Deduct* | *-180.52* | |
| | | *For Class 54 Rating, Add* | *251.03* | |
| | | *For Class 55 Rating, Add* | *375.69* | |
| | | *For Class 56 Rating, Add* | *498.71* | |
| 40 05 19 00-3170 | EA | 8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,213.26 | 270.05 |
| | | *For Class 52 Rating, Deduct* | *-198.45* | |
| | | *For Class 54 Rating, Add* | *275.52* | |
| | | *For Class 55 Rating, Add* | *412.13* | |
| | | *For Class 56 Rating, Add* | *546.94* | |
| 40 05 19 00-3171 | EA | 8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,380.40 | 272.80 |
| | | *For Class 52 Rating, Deduct* | *-216.38* | |
| | | *For Class 54 Rating, Add* | *300.02* | |
| | | *For Class 55 Rating, Add* | *448.58* | |
| | | *For Class 56 Rating, Add* | *595.17* | |
| 40 05 19 00-3172 | EA | 8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,547.56 | 275.56 |
| | | *For Class 52 Rating, Deduct* | *-234.30* | |
| | | *For Class 54 Rating, Add* | *324.52* | |
| | | *For Class 55 Rating, Add* | *485.02* | |
| | | *For Class 56 Rating, Add* | *643.39* | |
| 40 05 19 00-3173 | EA | 8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,714.70 | 278.32 |
| | | *For Class 52 Rating, Deduct* | *-252.23* | |
| | | *For Class 54 Rating, Add* | *349.01* | |
| | | *For Class 55 Rating, Add* | *521.46* | |
| | | *For Class 56 Rating, Add* | *691.62* | |
| 40 05 19 00-3174 | EA | 8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,881.84 | 281.06 |
| | | *For Class 52 Rating, Deduct* | *-270.16* | |
| | | *For Class 54 Rating, Add* | *373.51* | |
| | | *For Class 55 Rating, Add* | *557.90* | |
| | | *For Class 56 Rating, Add* | *739.85* | |
| 40 05 19 00-3175 | EA | 8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,048.98 | 283.82 |
| | | *For Class 52 Rating, Deduct* | *-288.08* | |
| | | *For Class 54 Rating, Add* | *398.00* | |
| | | *For Class 55 Rating, Add* | *594.35* | |
| | | *For Class 56 Rating, Add* | *788.07* | |
| 40 05 19 00-3176 | EA | 8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,216.14 | 286.58 |
| | | *For Class 52 Rating, Deduct* | *-306.01* | |
| | | *For Class 54 Rating, Add* | *422.50* | |
| | | *For Class 55 Rating, Add* | *630.79* | |
| | | *For Class 56 Rating, Add* | *836.30* | |
| 40 05 19 00-3177 | EA | 8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,383.28 | 289.34 |
| | | *For Class 52 Rating, Deduct* | *-323.94* | |
| | | *For Class 54 Rating, Add* | *446.99* | |
| | | *For Class 55 Rating, Add* | *667.23* | |
| | | *For Class 56 Rating, Add* | *884.52* | |
| 40 05 19 00-3178 | EA | 8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,550.42 | 292.09 |
| | | *For Class 52 Rating, Deduct* | *-341.86* | |
| | | *For Class 54 Rating, Add* | *471.49* | |
| | | *For Class 55 Rating, Add* | *703.67* | |
| | | *For Class 56 Rating, Add* | *932.75* | |
| 40 05 19 00-3179 | EA | 8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,717.56 | 294.85 |
| | | *For Class 52 Rating, Deduct* | *-359.79* | |
| | | *For Class 54 Rating, Add* | *495.99* | |
| | | *For Class 55 Rating, Add* | *740.12* | |
| | | *For Class 56 Rating, Add* | *980.98* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3180 | EA | 8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,884.72 | 297.61 |
| | | *For Class 52 Rating, Deduct* | *-377.72* | |
| | | *For Class 54 Rating, Add* | *520.48* | |
| | | *For Class 55 Rating, Add* | *776.56* | |
| | | *For Class 56 Rating, Add* | *1,029.20* | |
| 40 05 19 00-3181 | EA | 8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,051.86 | 300.35 |
| | | *For Class 52 Rating, Deduct* | *-395.64* | |
| | | *For Class 54 Rating, Add* | *544.98* | |
| | | *For Class 55 Rating, Add* | *813.00* | |
| | | *For Class 56 Rating, Add* | *1,077.43* | |
| 40 05 19 00-3182 | EA | 8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,219.00 | 303.11 |
| | | *For Class 52 Rating, Deduct* | *-413.57* | |
| | | *For Class 54 Rating, Add* | *569.47* | |
| | | *For Class 55 Rating, Add* | *849.44* | |
| | | *For Class 56 Rating, Add* | *1,125.66* | |
| 40 05 19 00-3183 | EA | 8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,386.15 | 305.87 |
| | | *For Class 52 Rating, Deduct* | *-431.50* | |
| | | *For Class 54 Rating, Add* | *593.97* | |
| | | *For Class 55 Rating, Add* | *885.89* | |
| | | *For Class 56 Rating, Add* | *1,173.88* | |
| 40 05 19 00-3184 | EA | 8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,553.30 | 308.63 |
| | | *For Class 52 Rating, Deduct* | *-449.42* | |
| | | *For Class 54 Rating, Add* | *618.46* | |
| | | *For Class 55 Rating, Add* | *922.33* | |
| | | *For Class 56 Rating, Add* | *1,222.11* | |
| 40 05 19 00-3185 | EA | 8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,720.44 | 311.38 |
| | | *For Class 52 Rating, Deduct* | *-467.35* | |
| | | *For Class 54 Rating, Add* | *642.96* | |
| | | *For Class 55 Rating, Add* | *958.77* | |
| | | *For Class 56 Rating, Add* | *1,270.34* | |
| 40 05 19 00-3186 | EA | 8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,887.58 | 314.14 |
| | | *For Class 52 Rating, Deduct* | *-485.28* | |
| | | *For Class 54 Rating, Add* | *667.45* | |
| | | *For Class 55 Rating, Add* | *995.21* | |
| | | *For Class 56 Rating, Add* | *1,318.56* | |
| 40 05 19 00-3187 | EA | 8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,054.73 | 316.90 |
| | | *For Class 52 Rating, Deduct* | *-503.20* | |
| | | *For Class 54 Rating, Add* | *691.95* | |
| | | *For Class 55 Rating, Add* | *1,031.66* | |
| | | *For Class 56 Rating, Add* | *1,366.79* | |
| 40 05 19 00-3188 | EA | 8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,221.88 | 319.66 |
| | | *For Class 52 Rating, Deduct* | *-521.13* | |
| | | *For Class 54 Rating, Add* | *716.45* | |
| | | *For Class 55 Rating, Add* | *1,068.10* | |
| | | *For Class 56 Rating, Add* | *1,415.02* | |
| 40 05 19 00-3189 | EA | 8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,389.02 | 322.40 |
| | | *For Class 52 Rating, Deduct* | *-539.06* | |
| | | *For Class 54 Rating, Add* | *740.94* | |
| | | *For Class 55 Rating, Add* | *1,104.54* | |
| | | *For Class 56 Rating, Add* | *1,463.24* | |
| 40 05 19 00-3190 | EA | 8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,556.16 | 325.15 |
| | | *For Class 52 Rating, Deduct* | *-556.99* | |
| | | *For Class 54 Rating, Add* | *765.44* | |
| | | *For Class 55 Rating, Add* | *1,140.98* | |
| | | *For Class 56 Rating, Add* | *1,511.47* | |
| 40 05 19 00-3191 | EA | 8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,723.31 | 327.91 |
| | | *For Class 52 Rating, Deduct* | *-574.91* | |
| | | *For Class 54 Rating, Add* | *789.93* | |
| | | *For Class 55 Rating, Add* | *1,177.43* | |
| | | *For Class 56 Rating, Add* | *1,559.69* | |
| 40 05 19 00-3192 | EA | 8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,890.45 | 330.66 |
| | | *For Class 52 Rating, Deduct* | *-592.84* | |
| | | *For Class 54 Rating, Add* | *814.43* | |
| | | *For Class 55 Rating, Add* | *1,213.87* | |
| | | *For Class 56 Rating, Add* | *1,607.92* | |
| 40 05 19 00-3193 | EA | 8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,057.60 | 333.42 |
| | | *For Class 52 Rating, Deduct* | *-610.77* | |
| | | *For Class 54 Rating, Add* | *838.92* | |
| | | *For Class 55 Rating, Add* | *1,250.31* | |
| | | *For Class 56 Rating, Add* | *1,656.15* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3194 | EA | 8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,224.75 | 336.18 |
| | | *For Class 52 Rating, Deduct* | *-628.69* | |
| | | *For Class 54 Rating, Add* | *863.42* | |
| | | *For Class 55 Rating, Add* | *1,286.75* | |
| | | *For Class 56 Rating, Add* | *1,704.37* | |
| 40 05 19 00-3195 | EA | 8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,391.89 | 338.94 |
| | | *For Class 52 Rating, Deduct* | *-646.62* | |
| | | *For Class 54 Rating, Add* | *887.91* | |
| | | *For Class 55 Rating, Add* | *1,323.20* | |
| | | *For Class 56 Rating, Add* | *1,752.60* | |
| 40 05 19 00-3196 | EA | 8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,559.03 | 341.69 |
| | | *For Class 52 Rating, Deduct* | *-664.55* | |
| | | *For Class 54 Rating, Add* | *912.41* | |
| | | *For Class 55 Rating, Add* | *1,359.64* | |
| | | *For Class 56 Rating, Add* | *1,800.83* | |
| 40 05 19 00-3197 | EA | 8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,726.18 | 344.45 |
| | | *For Class 52 Rating, Deduct* | *-682.47* | |
| | | *For Class 54 Rating, Add* | *936.91* | |
| | | *For Class 55 Rating, Add* | *1,396.08* | |
| | | *For Class 56 Rating, Add* | *1,849.05* | |
| 40 05 19 00-3198 | EA | 8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,893.33 | 347.20 |
| | | *For Class 52 Rating, Deduct* | *-700.40* | |
| | | *For Class 54 Rating, Add* | *961.40* | |
| | | *For Class 55 Rating, Add* | *1,432.52* | |
| | | *For Class 56 Rating, Add* | *1,897.28* | |
| 40 05 19 00-3199 | EA | 8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,060.47 | 349.95 |
| | | *For Class 52 Rating, Deduct* | *-718.33* | |
| | | *For Class 54 Rating, Add* | *985.90* | |
| | | *For Class 55 Rating, Add* | *1,468.97* | |
| | | *For Class 56 Rating, Add* | *1,945.51* | |
| 40 05 19 00-3200 | EA | 8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,227.61 | 352.71 |
| | | *For Class 52 Rating, Deduct* | *-736.25* | |
| | | *For Class 54 Rating, Add* | *1,010.39* | |
| | | *For Class 55 Rating, Add* | *1,505.41* | |
| | | *For Class 56 Rating, Add* | *1,993.73* | |
| 40 05 19 00-3201 | EA | 8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,394.77 | 355.47 |
| | | *For Class 52 Rating, Deduct* | *-754.18* | |
| | | *For Class 54 Rating, Add* | *1,034.89* | |
| | | *For Class 55 Rating, Add* | *1,541.85* | |
| | | *For Class 56 Rating, Add* | *2,041.96* | |
| 40 05 19 00-3202 | EA | 8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,561.91 | 358.23 |
| | | *For Class 52 Rating, Deduct* | *-772.11* | |
| | | *For Class 54 Rating, Add* | *1,059.38* | |
| | | *For Class 55 Rating, Add* | *1,578.29* | |
| | | *For Class 56 Rating, Add* | *2,090.19* | |
| 40 05 19 00-3203 | | 10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)* | | |
| 40 05 19 00-3204 | EA | 10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,528.35 | 308.63 |
| | | *For Class 52 Rating, Deduct* | *-116.68* | |
| | | *For Class 54 Rating, Add* | *164.72* | |
| | | *For Class 55 Rating, Add* | *247.77* | |
| | | *For Class 56 Rating, Add* | *329.75* | |
| 40 05 19 00-3205 | EA | 10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,744.10 | 311.38 |
| | | *For Class 52 Rating, Deduct* | *-139.95* | |
| | | *For Class 54 Rating, Add* | *196.51* | |
| | | *For Class 55 Rating, Add* | *295.05* | |
| | | *For Class 56 Rating, Add* | *392.32* | |
| 40 05 19 00-3206 | EA | 10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,959.84 | 314.14 |
| | | *For Class 52 Rating, Deduct* | *-163.23* | |
| | | *For Class 54 Rating, Add* | *228.29* | |
| | | *For Class 55 Rating, Add* | *342.33* | |
| | | *For Class 56 Rating, Add* | *454.88* | |
| 40 05 19 00-3207 | EA | 10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,175.60 | 316.90 |
| | | *For Class 52 Rating, Deduct* | *-186.50* | |
| | | *For Class 54 Rating, Add* | *260.08* | |
| | | *For Class 55 Rating, Add* | *389.61* | |
| | | *For Class 56 Rating, Add* | *517.45* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3208 | EA | 10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,391.35 | 319.66 |
| | | *For Class 52 Rating, Deduct* | *-209.77* | |
| | | *For Class 54 Rating, Add* | *291.87* | |
| | | *For Class 55 Rating, Add* | *436.89* | |
| | | *For Class 56 Rating, Add* | *580.01* | |
| 40 05 19 00-3209 | EA | 10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,607.10 | 322.40 |
| | | *For Class 52 Rating, Deduct* | *-233.05* | |
| | | *For Class 54 Rating, Add* | *323.65* | |
| | | *For Class 55 Rating, Add* | *484.17* | |
| | | *For Class 56 Rating, Add* | *642.58* | |
| 40 05 19 00-3210 | EA | 10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,822.84 | 325.15 |
| | | *For Class 52 Rating, Deduct* | *-256.32* | |
| | | *For Class 54 Rating, Add* | *355.44* | |
| | | *For Class 55 Rating, Add* | *531.45* | |
| | | *For Class 56 Rating, Add* | *705.14* | |
| 40 05 19 00-3211 | EA | 10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,038.60 | 327.91 |
| | | *For Class 52 Rating, Deduct* | *-279.59* | |
| | | *For Class 54 Rating, Add* | *387.23* | |
| | | *For Class 55 Rating, Add* | *578.74* | |
| | | *For Class 56 Rating, Add* | *767.71* | |
| 40 05 19 00-3212 | EA | 10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,254.34 | 330.66 |
| | | *For Class 52 Rating, Deduct* | *-302.87* | |
| | | *For Class 54 Rating, Add* | *419.01* | |
| | | *For Class 55 Rating, Add* | *626.02* | |
| | | *For Class 56 Rating, Add* | *830.27* | |
| 40 05 19 00-3213 | EA | 10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,470.10 | 333.42 |
| | | *For Class 52 Rating, Deduct* | *-326.14* | |
| | | *For Class 54 Rating, Add* | *450.80* | |
| | | *For Class 55 Rating, Add* | *673.30* | |
| | | *For Class 56 Rating, Add* | *892.84* | |
| 40 05 19 00-3214 | EA | 10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,685.85 | 336.18 |
| | | *For Class 52 Rating, Deduct* | *-349.41* | |
| | | *For Class 54 Rating, Add* | *482.58* | |
| | | *For Class 55 Rating, Add* | *720.58* | |
| | | *For Class 56 Rating, Add* | *955.40* | |
| 40 05 19 00-3215 | EA | 10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,901.60 | 338.94 |
| | | *For Class 52 Rating, Deduct* | *-372.69* | |
| | | *For Class 54 Rating, Add* | *514.37* | |
| | | *For Class 55 Rating, Add* | *767.86* | |
| | | *For Class 56 Rating, Add* | *1,017.97* | |
| 40 05 19 00-3216 | EA | 10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,117.34 | 341.69 |
| | | *For Class 52 Rating, Deduct* | *-395.96* | |
| | | *For Class 54 Rating, Add* | *546.16* | |
| | | *For Class 55 Rating, Add* | *815.14* | |
| | | *For Class 56 Rating, Add* | *1,080.53* | |
| 40 05 19 00-3217 | EA | 10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,333.10 | 344.45 |
| | | *For Class 52 Rating, Deduct* | *-419.23* | |
| | | *For Class 54 Rating, Add* | *577.94* | |
| | | *For Class 55 Rating, Add* | *862.43* | |
| | | *For Class 56 Rating, Add* | *1,143.09* | |
| 40 05 19 00-3218 | EA | 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,548.85 | 347.20 |
| | | *For Class 52 Rating, Deduct* | *-442.51* | |
| | | *For Class 54 Rating, Add* | *609.73* | |
| | | *For Class 55 Rating, Add* | *909.71* | |
| | | *For Class 56 Rating, Add* | *1,205.66* | |
| 40 05 19 00-3219 | EA | 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,764.60 | 349.95 |
| | | *For Class 52 Rating, Deduct* | *-465.78* | |
| | | *For Class 54 Rating, Add* | *641.52* | |
| | | *For Class 55 Rating, Add* | *956.99* | |
| | | *For Class 56 Rating, Add* | *1,268.22* | |
| 40 05 19 00-3220 | EA | 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,980.34 | 352.71 |
| | | *For Class 52 Rating, Deduct* | *-489.05* | |
| | | *For Class 54 Rating, Add* | *673.30* | |
| | | *For Class 55 Rating, Add* | *1,004.27* | |
| | | *For Class 56 Rating, Add* | *1,330.79* | |
| 40 05 19 00-3221 | EA | 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,196.11 | 355.47 |
| | | *For Class 52 Rating, Deduct* | *-512.33* | |
| | | *For Class 54 Rating, Add* | *705.09* | |
| | | *For Class 55 Rating, Add* | *1,051.55* | |
| | | *For Class 56 Rating, Add* | *1,393.36* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3222 | EA | 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,411.85 | 358.23 |
| | | *For Class 52 Rating, Deduct* | *-535.60* | |
| | | *For Class 54 Rating, Add* | *736.88* | |
| | | *For Class 55 Rating, Add* | *1,098.83* | |
| | | *For Class 56 Rating, Add* | *1,455.92* | |
| 40 05 19 00-3223 | EA | 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,627.60 | 360.98 |
| | | *For Class 52 Rating, Deduct* | *-558.87* | |
| | | *For Class 54 Rating, Add* | *768.66* | |
| | | *For Class 55 Rating, Add* | *1,146.11* | |
| | | *For Class 56 Rating, Add* | *1,518.48* | |
| 40 05 19 00-3224 | EA | 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,843.34 | 363.74 |
| | | *For Class 52 Rating, Deduct* | *-582.15* | |
| | | *For Class 54 Rating, Add* | *800.45* | |
| | | *For Class 55 Rating, Add* | *1,193.39* | |
| | | *For Class 56 Rating, Add* | *1,581.05* | |
| 40 05 19 00-3225 | EA | 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,059.11 | 366.50 |
| | | *For Class 52 Rating, Deduct* | *-605.42* | |
| | | *For Class 54 Rating, Add* | *832.24* | |
| | | *For Class 55 Rating, Add* | *1,240.68* | |
| | | *For Class 56 Rating, Add* | *1,643.61* | |
| 40 05 19 00-3226 | EA | 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,274.85 | 369.24 |
| | | *For Class 52 Rating, Deduct* | *-628.69* | |
| | | *For Class 54 Rating, Add* | *864.02* | |
| | | *For Class 55 Rating, Add* | *1,287.96* | |
| | | *For Class 56 Rating, Add* | *1,706.18* | |
| 40 05 19 00-3227 | EA | 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,490.60 | 372.00 |
| | | *For Class 52 Rating, Deduct* | *-651.97* | |
| | | *For Class 54 Rating, Add* | *895.81* | |
| | | *For Class 55 Rating, Add* | *1,335.24* | |
| | | *For Class 56 Rating, Add* | *1,768.74* | |
| 40 05 19 00-3228 | EA | 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,706.34 | 374.76 |
| | | *For Class 52 Rating, Deduct* | *-675.24* | |
| | | *For Class 54 Rating, Add* | *927.59* | |
| | | *For Class 55 Rating, Add* | *1,382.52* | |
| | | *For Class 56 Rating, Add* | *1,831.31* | |
| 40 05 19 00-3229 | EA | 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,922.11 | 377.52 |
| | | *For Class 52 Rating, Deduct* | *-698.51* | |
| | | *For Class 54 Rating, Add* | *959.38* | |
| | | *For Class 55 Rating, Add* | *1,429.80* | |
| | | *For Class 56 Rating, Add* | *1,893.87* | |
| 40 05 19 00-3230 | EA | 10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,137.85 | 380.27 |
| | | *For Class 52 Rating, Deduct* | *-721.78* | |
| | | *For Class 54 Rating, Add* | *991.17* | |
| | | *For Class 55 Rating, Add* | *1,477.08* | |
| | | *For Class 56 Rating, Add* | *1,956.44* | |
| 40 05 19 00-3231 | EA | 10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,353.60 | 383.03 |
| | | *For Class 52 Rating, Deduct* | *-745.06* | |
| | | *For Class 54 Rating, Add* | *1,022.95* | |
| | | *For Class 55 Rating, Add* | *1,524.37* | |
| | | *For Class 56 Rating, Add* | *2,019.00* | |
| 40 05 19 00-3232 | EA | 10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,569.35 | 385.79 |
| | | *For Class 52 Rating, Deduct* | *-768.33* | |
| | | *For Class 54 Rating, Add* | *1,054.74* | |
| | | *For Class 55 Rating, Add* | *1,571.65* | |
| | | *For Class 56 Rating, Add* | *2,081.57* | |
| 40 05 19 00-3233 | EA | 10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,785.09 | 388.55 |
| | | *For Class 52 Rating, Deduct* | *-791.60* | |
| | | *For Class 54 Rating, Add* | *1,086.52* | |
| | | *For Class 55 Rating, Add* | *1,618.93* | |
| | | *For Class 56 Rating, Add* | *2,144.13* | |
| 40 05 19 00-3234 | EA | 10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,000.85 | 391.29 |
| | | *For Class 52 Rating, Deduct* | *-814.88* | |
| | | *For Class 54 Rating, Add* | *1,118.31* | |
| | | *For Class 55 Rating, Add* | *1,666.21* | |
| | | *For Class 56 Rating, Add* | *2,206.70* | |
| 40 05 19 00-3235 | EA | 10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,216.59 | 394.05 |
| | | *For Class 52 Rating, Deduct* | *-838.15* | |
| | | *For Class 54 Rating, Add* | *1,150.10* | |
| | | *For Class 55 Rating, Add* | *1,713.49* | |
| | | *For Class 56 Rating, Add* | *2,269.26* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3236 | EA | 10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,432.35 | 396.81 |
| | | *For Class 52 Rating, Deduct* | *-861.42* | |
| | | *For Class 54 Rating, Add* | *1,181.88* | |
| | | *For Class 55 Rating, Add* | *1,760.77* | |
| | | *For Class 56 Rating, Add* | *2,331.83* | |
| 40 05 19 00-3237 | EA | 10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,648.09 | 399.55 |
| | | *For Class 52 Rating, Deduct* | *-884.70* | |
| | | *For Class 54 Rating, Add* | *1,213.67* | |
| | | *For Class 55 Rating, Add* | *1,808.05* | |
| | | *For Class 56 Rating, Add* | *2,394.39* | |
| 40 05 19 00-3238 | EA | 10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,863.85 | 402.31 |
| | | *For Class 52 Rating, Deduct* | *-907.97* | |
| | | *For Class 54 Rating, Add* | *1,245.46* | |
| | | *For Class 55 Rating, Add* | *1,855.33* | |
| | | *For Class 56 Rating, Add* | *2,456.96* | |
| 40 05 19 00-3239 | EA | 10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,079.59 | 405.07 |
| | | *For Class 52 Rating, Deduct* | *-931.24* | |
| | | *For Class 54 Rating, Add* | *1,277.24* | |
| | | *For Class 55 Rating, Add* | *1,902.61* | |
| | | *For Class 56 Rating, Add* | *2,519.52* | |
| 40 05 19 00-3240 | EA | 10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,295.35 | 407.83 |
| | | *For Class 52 Rating, Deduct* | *-954.52* | |
| | | *For Class 54 Rating, Add* | *1,309.03* | |
| | | *For Class 55 Rating, Add* | *1,949.90* | |
| | | *For Class 56 Rating, Add* | *2,582.09* | |
| 40 05 19 00-3241 | EA | 10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,511.09 | 410.58 |
| | | *For Class 52 Rating, Deduct* | *-977.79* | |
| | | *For Class 54 Rating, Add* | *1,340.82* | |
| | | *For Class 55 Rating, Add* | *1,997.18* | |
| | | *For Class 56 Rating, Add* | *2,644.65* | |
| 40 05 19 00-3242 | EA | 10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,726.85 | 413.33 |
| | | *For Class 52 Rating, Deduct* | *-1,001.06* | |
| | | *For Class 54 Rating, Add* | *1,372.60* | |
| | | *For Class 55 Rating, Add* | *2,044.46* | |
| | | *For Class 56 Rating, Add* | *2,707.22* | |

## 40 05 19 00-3243 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3244 | EA | 12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 1,985.49 | 385.79 |
| | | *For Class 52 Rating, Deduct* | *-154.11* | |
| | | *For Class 54 Rating, Add* | *217.16* | |
| | | *For Class 55 Rating, Add* | *326.44* | |
| | | *For Class 56 Rating, Add* | *434.33* | |
| 40 05 19 00-3245 | EA | 12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,252.70 | 388.55 |
| | | *For Class 52 Rating, Deduct* | *-183.04* | |
| | | *For Class 54 Rating, Add* | *256.67* | |
| | | *For Class 55 Rating, Add* | *385.20* | |
| | | *For Class 56 Rating, Add* | *512.08* | |
| 40 05 19 00-3246 | EA | 12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,519.92 | 391.29 |
| | | *For Class 52 Rating, Deduct* | *-211.98* | |
| | | *For Class 54 Rating, Add* | *296.17* | |
| | | *For Class 55 Rating, Add* | *443.96* | |
| | | *For Class 56 Rating, Add* | *589.82* | |
| 40 05 19 00-3247 | EA | 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,787.13 | 394.05 |
| | | *For Class 52 Rating, Deduct* | *-240.91* | |
| | | *For Class 54 Rating, Add* | *335.68* | |
| | | *For Class 55 Rating, Add* | *502.72* | |
| | | *For Class 56 Rating, Add* | *667.57* | |
| 40 05 19 00-3248 | EA | 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,054.34 | 396.81 |
| | | *For Class 52 Rating, Deduct* | *-269.84* | |
| | | *For Class 54 Rating, Add* | *375.18* | |
| | | *For Class 55 Rating, Add* | *561.48* | |
| | | *For Class 56 Rating, Add* | *745.31* | |
| 40 05 19 00-3249 | EA | 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,321.55 | 399.55 |
| | | *For Class 52 Rating, Deduct* | *-298.78* | |
| | | *For Class 54 Rating, Add* | *414.69* | |
| | | *For Class 55 Rating, Add* | *620.23* | |
| | | *For Class 56 Rating, Add* | *823.06* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3250 | EA | 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,588.77 | 402.31 |
| | | *For Class 52 Rating, Deduct* | *-327.71* | |
| | | *For Class 54 Rating, Add* | *454.19* | |
| | | *For Class 55 Rating, Add* | *678.99* | |
| | | *For Class 56 Rating, Add* | *900.81* | |
| 40 05 19 00-3251 | EA | 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,855.98 | 405.07 |
| | | *For Class 52 Rating, Deduct* | *-356.65* | |
| | | *For Class 54 Rating, Add* | *493.70* | |
| | | *For Class 55 Rating, Add* | *737.75* | |
| | | *For Class 56 Rating, Add* | *978.56* | |
| 40 05 19 00-3252 | EA | 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,123.20 | 407.83 |
| | | *For Class 52 Rating, Deduct* | *-385.58* | |
| | | *For Class 54 Rating, Add* | *533.21* | |
| | | *For Class 55 Rating, Add* | *796.51* | |
| | | *For Class 56 Rating, Add* | *1,056.30* | |
| 40 05 19 00-3253 | EA | 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,390.41 | 410.58 |
| | | *For Class 52 Rating, Deduct* | *-414.52* | |
| | | *For Class 54 Rating, Add* | *572.71* | |
| | | *For Class 55 Rating, Add* | *855.27* | |
| | | *For Class 56 Rating, Add* | *1,134.05* | |
| 40 05 19 00-3254 | EA | 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,657.63 | 413.33 |
| | | *For Class 52 Rating, Deduct* | *-443.45* | |
| | | *For Class 54 Rating, Add* | *612.22* | |
| | | *For Class 55 Rating, Add* | *914.02* | |
| | | *For Class 56 Rating, Add* | *1,211.80* | |
| 40 05 19 00-3255 | EA | 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,924.85 | 416.09 |
| | | *For Class 52 Rating, Deduct* | *-472.38* | |
| | | *For Class 54 Rating, Add* | *651.73* | |
| | | *For Class 55 Rating, Add* | *972.78* | |
| | | *For Class 56 Rating, Add* | *1,289.54* | |
| 40 05 19 00-3256 | EA | 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,192.06 | 418.84 |
| | | *For Class 52 Rating, Deduct* | *-501.32* | |
| | | *For Class 54 Rating, Add* | *691.23* | |
| | | *For Class 55 Rating, Add* | *1,031.54* | |
| | | *For Class 56 Rating, Add* | *1,367.29* | |
| 40 05 19 00-3257 | EA | 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,459.27 | 421.60 |
| | | *For Class 52 Rating, Deduct* | *-530.25* | |
| | | *For Class 54 Rating, Add* | *730.74* | |
| | | *For Class 55 Rating, Add* | *1,090.30* | |
| | | *For Class 56 Rating, Add* | *1,445.04* | |
| 40 05 19 00-3258 | EA | 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,726.49 | 424.36 |
| | | *For Class 52 Rating, Deduct* | *-559.19* | |
| | | *For Class 54 Rating, Add* | *770.24* | |
| | | *For Class 55 Rating, Add* | *1,149.06* | |
| | | *For Class 56 Rating, Add* | *1,522.79* | |
| 40 05 19 00-3259 | EA | 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,993.70 | 427.12 |
| | | *For Class 52 Rating, Deduct* | *-588.12* | |
| | | *For Class 54 Rating, Add* | *809.75* | |
| | | *For Class 55 Rating, Add* | *1,207.81* | |
| | | *For Class 56 Rating, Add* | *1,600.53* | |
| 40 05 19 00-3260 | EA | 12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,260.91 | 429.87 |
| | | *For Class 52 Rating, Deduct* | *-617.05* | |
| | | *For Class 54 Rating, Add* | *849.25* | |
| | | *For Class 55 Rating, Add* | *1,266.57* | |
| | | *For Class 56 Rating, Add* | *1,678.28* | |
| 40 05 19 00-3261 | EA | 12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,528.12 | 432.63 |
| | | *For Class 52 Rating, Deduct* | *-645.99* | |
| | | *For Class 54 Rating, Add* | *888.76* | |
| | | *For Class 55 Rating, Add* | *1,325.33* | |
| | | *For Class 56 Rating, Add* | *1,756.02* | |
| 40 05 19 00-3262 | EA | 12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,795.34 | 435.39 |
| | | *For Class 52 Rating, Deduct* | *-674.92* | |
| | | *For Class 54 Rating, Add* | *928.27* | |
| | | *For Class 55 Rating, Add* | *1,384.09* | |
| | | *For Class 56 Rating, Add* | *1,833.77* | |
| 40 05 19 00-3263 | EA | 12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,062.56 | 438.13 |
| | | *For Class 52 Rating, Deduct* | *-703.86* | |
| | | *For Class 54 Rating, Add* | *967.77* | |
| | | *For Class 55 Rating, Add* | *1,442.84* | |
| | | *For Class 56 Rating, Add* | *1,911.52* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3264 | EA | 12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,329.77 | 440.89 |
| | | *For Class 52 Rating, Deduct* | *-732.79* | |
| | | *For Class 54 Rating, Add* | *1,007.28* | |
| | | *For Class 55 Rating, Add* | *1,501.60* | |
| | | *For Class 56 Rating, Add* | *1,989.26* | |
| 40 05 19 00-3265 | EA | 12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,596.98 | 443.65 |
| | | *For Class 52 Rating, Deduct* | *-761.73* | |
| | | *For Class 54 Rating, Add* | *1,046.78* | |
| | | *For Class 55 Rating, Add* | *1,560.36* | |
| | | *For Class 56 Rating, Add* | *2,067.01* | |
| 40 05 19 00-3266 | EA | 12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,864.20 | 446.41 |
| | | *For Class 52 Rating, Deduct* | *-790.66* | |
| | | *For Class 54 Rating, Add* | *1,086.29* | |
| | | *For Class 55 Rating, Add* | *1,619.12* | |
| | | *For Class 56 Rating, Add* | *2,144.76* | |
| 40 05 19 00-3267 | EA | 12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,131.42 | 449.16 |
| | | *For Class 52 Rating, Deduct* | *-819.60* | |
| | | *For Class 54 Rating, Add* | *1,125.80* | |
| | | *For Class 55 Rating, Add* | *1,677.88* | |
| | | *For Class 56 Rating, Add* | *2,222.51* | |
| 40 05 19 00-3268 | EA | 12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,398.63 | 451.92 |
| | | *For Class 52 Rating, Deduct* | *-848.53* | |
| | | *For Class 54 Rating, Add* | *1,165.30* | |
| | | *For Class 55 Rating, Add* | *1,736.64* | |
| | | *For Class 56 Rating, Add* | *2,300.25* | |
| 40 05 19 00-3269 | EA | 12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,665.83 | 454.68 |
| | | *For Class 52 Rating, Deduct* | *-877.46* | |
| | | *For Class 54 Rating, Add* | *1,204.81* | |
| | | *For Class 55 Rating, Add* | *1,795.39* | |
| | | *For Class 56 Rating, Add* | *2,378.00* | |
| 40 05 19 00-3270 | EA | 12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,933.05 | 457.44 |
| | | *For Class 52 Rating, Deduct* | *-906.40* | |
| | | *For Class 54 Rating, Add* | *1,244.31* | |
| | | *For Class 55 Rating, Add* | *1,854.15* | |
| | | *For Class 56 Rating, Add* | *2,455.74* | |
| 40 05 19 00-3271 | EA | 12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,200.27 | 460.18 |
| | | *For Class 52 Rating, Deduct* | *-935.33* | |
| | | *For Class 54 Rating, Add* | *1,283.82* | |
| | | *For Class 55 Rating, Add* | *1,912.91* | |
| | | *For Class 56 Rating, Add* | *2,533.49* | |
| 40 05 19 00-3272 | EA | 12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,467.48 | 462.94 |
| | | *For Class 52 Rating, Deduct* | *-964.27* | |
| | | *For Class 54 Rating, Add* | *1,323.33* | |
| | | *For Class 55 Rating, Add* | *1,971.67* | |
| | | *For Class 56 Rating, Add* | *2,611.24* | |
| 40 05 19 00-3273 | EA | 12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,734.70 | 465.70 |
| | | *For Class 52 Rating, Deduct* | *-993.20* | |
| | | *For Class 54 Rating, Add* | *1,362.83* | |
| | | *For Class 55 Rating, Add* | *2,030.42* | |
| | | *For Class 56 Rating, Add* | *2,688.99* | |
| 40 05 19 00-3274 | EA | 12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,001.91 | 468.44 |
| | | *For Class 52 Rating, Deduct* | *-1,022.14* | |
| | | *For Class 54 Rating, Add* | *1,402.34* | |
| | | *For Class 55 Rating, Add* | *2,089.18* | |
| | | *For Class 56 Rating, Add* | *2,766.73* | |
| 40 05 19 00-3275 | EA | 12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,269.13 | 471.20 |
| | | *For Class 52 Rating, Deduct* | *-1,051.07* | |
| | | *For Class 54 Rating, Add* | *1,441.84* | |
| | | *For Class 55 Rating, Add* | *2,147.94* | |
| | | *For Class 56 Rating, Add* | *2,844.48* | |
| 40 05 19 00-3276 | EA | 12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,536.34 | 473.96 |
| | | *For Class 52 Rating, Deduct* | *-1,080.00* | |
| | | *For Class 54 Rating, Add* | *1,481.35* | |
| | | *For Class 55 Rating, Add* | *2,206.70* | |
| | | *For Class 56 Rating, Add* | *2,922.23* | |
| 40 05 19 00-3277 | EA | 12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,803.56 | 476.72 |
| | | *For Class 52 Rating, Deduct* | *-1,108.94* | |
| | | *For Class 54 Rating, Add* | *1,520.86* | |
| | | *For Class 55 Rating, Add* | *2,265.46* | |
| | | *For Class 56 Rating, Add* | *2,999.97* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3278 | EA | 12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,070.77 | 479.46 |
| | | *For Class 52 Rating, Deduct* | *-1,137.87* | |
| | | *For Class 54 Rating, Add* | *1,560.36* | |
| | | *For Class 55 Rating, Add* | *2,324.21* | |
| | | *For Class 56 Rating, Add* | *3,077.72* | |
| 40 05 19 00-3279 | EA | 12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,337.99 | 482.22 |
| | | *For Class 52 Rating, Deduct* | *-1,166.81* | |
| | | *For Class 54 Rating, Add* | *1,599.87* | |
| | | *For Class 55 Rating, Add* | *2,382.97* | |
| | | *For Class 56 Rating, Add* | *3,155.47* | |
| 40 05 19 00-3280 | EA | 12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,605.19 | 484.98 |
| | | *For Class 52 Rating, Deduct* | *-1,195.74* | |
| | | *For Class 54 Rating, Add* | *1,639.37* | |
| | | *For Class 55 Rating, Add* | *2,441.73* | |
| | | *For Class 56 Rating, Add* | *3,233.21* | |
| 40 05 19 00-3281 | EA | 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,872.41 | 487.73 |
| | | *For Class 52 Rating, Deduct* | *-1,224.68* | |
| | | *For Class 54 Rating, Add* | *1,678.88* | |
| | | *For Class 55 Rating, Add* | *2,500.49* | |
| | | *For Class 56 Rating, Add* | *3,310.96* | |
| 40 05 19 00-3282 | EA | 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,139.62 | 490.49 |
| | | *For Class 52 Rating, Deduct* | *-1,253.61* | |
| | | *For Class 54 Rating, Add* | *1,718.39* | |
| | | *For Class 55 Rating, Add* | *2,559.24* | |
| | | *For Class 56 Rating, Add* | *3,388.71* | |

## 40 05 19 00-3283 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3284 | EA | 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 2,677.07 | 462.94 |
| | | *For Class 52 Rating, Deduct* | *-217.32* | |
| | | *For Class 54 Rating, Add* | *304.76* | |
| | | *For Class 55 Rating, Add* | *457.40* | |
| | | *For Class 56 Rating, Add* | *608.07* | |
| 40 05 19 00-3285 | EA | 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,001.47 | 465.70 |
| | | *For Class 52 Rating, Deduct* | *-252.55* | |
| | | *For Class 54 Rating, Add* | *352.85* | |
| | | *For Class 55 Rating, Add* | *528.91* | |
| | | *For Class 56 Rating, Add* | *702.68* | |
| 40 05 19 00-3286 | EA | 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,325.86 | 468.44 |
| | | *For Class 52 Rating, Deduct* | *-287.77* | |
| | | *For Class 54 Rating, Add* | *400.93* | |
| | | *For Class 55 Rating, Add* | *600.42* | |
| | | *For Class 56 Rating, Add* | *797.30* | |
| 40 05 19 00-3287 | EA | 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,650.27 | 471.20 |
| | | *For Class 52 Rating, Deduct* | *-323.00* | |
| | | *For Class 54 Rating, Add* | *449.02* | |
| | | *For Class 55 Rating, Add* | *671.93* | |
| | | *For Class 56 Rating, Add* | *891.92* | |
| 40 05 19 00-3288 | EA | 14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,974.66 | 473.96 |
| | | *For Class 52 Rating, Deduct* | *-358.22* | |
| | | *For Class 54 Rating, Add* | *497.10* | |
| | | *For Class 55 Rating, Add* | *743.44* | |
| | | *For Class 56 Rating, Add* | *986.53* | |
| 40 05 19 00-3289 | EA | 14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,299.06 | 476.72 |
| | | *For Class 52 Rating, Deduct* | *-393.44* | |
| | | *For Class 54 Rating, Add* | *545.18* | |
| | | *For Class 55 Rating, Add* | *814.95* | |
| | | *For Class 56 Rating, Add* | *1,081.15* | |
| 40 05 19 00-3290 | EA | 14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,623.45 | 479.46 |
| | | *For Class 52 Rating, Deduct* | *-428.67* | |
| | | *For Class 54 Rating, Add* | *593.26* | |
| | | *For Class 55 Rating, Add* | *886.46* | |
| | | *For Class 56 Rating, Add* | *1,175.76* | |
| 40 05 19 00-3291 | EA | 14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,947.85 | 482.22 |
| | | *For Class 52 Rating, Deduct* | *-463.89* | |
| | | *For Class 54 Rating, Add* | *641.35* | |
| | | *For Class 55 Rating, Add* | *957.97* | |
| | | *For Class 56 Rating, Add* | *1,270.38* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3292 | EA | 14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,272.24 | 484.98 |
| | | *For Class 52 Rating, Deduct* | *-499.12* | |
| | | *For Class 54 Rating, Add* | *689.43* | |
| | | *For Class 55 Rating, Add* | *1,029.48* | |
| | | *For Class 56 Rating, Add* | *1,364.99* | |
| 40 05 19 00-3293 | EA | 14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,596.64 | 487.73 |
| | | *For Class 52 Rating, Deduct* | *-534.34* | |
| | | *For Class 54 Rating, Add* | *737.51* | |
| | | *For Class 55 Rating, Add* | *1,100.99* | |
| | | *For Class 56 Rating, Add* | *1,459.61* | |
| 40 05 19 00-3294 | EA | 14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,921.04 | 490.49 |
| | | *For Class 52 Rating, Deduct* | *-569.57* | |
| | | *For Class 54 Rating, Add* | *785.60* | |
| | | *For Class 55 Rating, Add* | *1,172.50* | |
| | | *For Class 56 Rating, Add* | *1,554.23* | |
| 40 05 19 00-3295 | EA | 14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,245.43 | 493.25 |
| | | *For Class 52 Rating, Deduct* | *-604.79* | |
| | | *For Class 54 Rating, Add* | *833.68* | |
| | | *For Class 55 Rating, Add* | *1,244.01* | |
| | | *For Class 56 Rating, Add* | *1,648.84* | |
| 40 05 19 00-3296 | EA | 14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,569.84 | 496.01 |
| | | *For Class 52 Rating, Deduct* | *-640.01* | |
| | | *For Class 54 Rating, Add* | *881.76* | |
| | | *For Class 55 Rating, Add* | *1,315.52* | |
| | | *For Class 56 Rating, Add* | *1,743.46* | |
| 40 05 19 00-3297 | EA | 14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,894.23 | 498.76 |
| | | *For Class 52 Rating, Deduct* | *-675.24* | |
| | | *For Class 54 Rating, Add* | *929.85* | |
| | | *For Class 55 Rating, Add* | *1,387.03* | |
| | | *For Class 56 Rating, Add* | *1,838.07* | |
| 40 05 19 00-3298 | EA | 14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,218.62 | 501.52 |
| | | *For Class 52 Rating, Deduct* | *-710.46* | |
| | | *For Class 54 Rating, Add* | *977.93* | |
| | | *For Class 55 Rating, Add* | *1,458.54* | |
| | | *For Class 56 Rating, Add* | *1,932.69* | |
| 40 05 19 00-3299 | EA | 14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,543.01 | 504.27 |
| | | *For Class 52 Rating, Deduct* | *-745.69* | |
| | | *For Class 54 Rating, Add* | *1,026.01* | |
| | | *For Class 55 Rating, Add* | *1,530.05* | |
| | | *For Class 56 Rating, Add* | *2,027.30* | |
| 40 05 19 00-3300 | EA | 14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,867.43 | 507.02 |
| | | *For Class 52 Rating, Deduct* | *-780.91* | |
| | | *For Class 54 Rating, Add* | *1,074.10* | |
| | | *For Class 55 Rating, Add* | *1,601.56* | |
| | | *For Class 56 Rating, Add* | *2,121.92* | |
| 40 05 19 00-3301 | EA | 14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,191.82 | 509.78 |
| | | *For Class 52 Rating, Deduct* | *-816.14* | |
| | | *For Class 54 Rating, Add* | *1,122.18* | |
| | | *For Class 55 Rating, Add* | *1,673.07* | |
| | | *For Class 56 Rating, Add* | *2,216.54* | |
| 40 05 19 00-3302 | EA | 14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,516.21 | 512.54 |
| | | *For Class 52 Rating, Deduct* | *-851.36* | |
| | | *For Class 54 Rating, Add* | *1,170.26* | |
| | | *For Class 55 Rating, Add* | *1,744.58* | |
| | | *For Class 56 Rating, Add* | *2,311.15* | |
| 40 05 19 00-3303 | EA | 14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,840.60 | 515.30 |
| | | *For Class 52 Rating, Deduct* | *-886.58* | |
| | | *For Class 54 Rating, Add* | *1,218.35* | |
| | | *For Class 55 Rating, Add* | *1,816.09* | |
| | | *For Class 56 Rating, Add* | *2,405.77* | |
| 40 05 19 00-3304 | EA | 14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,165.01 | 518.05 |
| | | *For Class 52 Rating, Deduct* | *-921.81* | |
| | | *For Class 54 Rating, Add* | *1,266.43* | |
| | | *For Class 55 Rating, Add* | *1,887.60* | |
| | | *For Class 56 Rating, Add* | *2,500.38* | |
| 40 05 19 00-3305 | EA | 14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,489.40 | 520.81 |
| | | *For Class 52 Rating, Deduct* | *-957.03* | |
| | | *For Class 54 Rating, Add* | *1,314.51* | |
| | | *For Class 55 Rating, Add* | *1,959.11* | |
| | | *For Class 56 Rating, Add* | *2,595.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3306 | EA | 14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,813.79 | 523.57 |
| | | *For Class 52 Rating, Deduct* | *-992.26* | |
| | | *For Class 54 Rating, Add* | *1,362.60* | |
| | | *For Class 55 Rating, Add* | *2,030.61* | |
| | | *For Class 56 Rating, Add* | *2,689.61* | |
| 40 05 19 00-3307 | EA | 14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,138.19 | 526.32 |
| | | *For Class 52 Rating, Deduct* | *-1,027.48* | |
| | | *For Class 54 Rating, Add* | *1,410.68* | |
| | | *For Class 55 Rating, Add* | *2,102.12* | |
| | | *For Class 56 Rating, Add* | *2,784.23* | |
| 40 05 19 00-3308 | EA | 14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,462.60 | 529.07 |
| | | *For Class 52 Rating, Deduct* | *-1,062.71* | |
| | | *For Class 54 Rating, Add* | *1,458.77* | |
| | | *For Class 55 Rating, Add* | *2,173.64* | |
| | | *For Class 56 Rating, Add* | *2,878.84* | |
| 40 05 19 00-3309 | EA | 14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,786.99 | 531.83 |
| | | *For Class 52 Rating, Deduct* | *-1,097.93* | |
| | | *For Class 54 Rating, Add* | *1,506.85* | |
| | | *For Class 55 Rating, Add* | *2,245.14* | |
| | | *For Class 56 Rating, Add* | *2,973.46* | |
| 40 05 19 00-3310 | EA | 14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,111.38 | 534.59 |
| | | *For Class 52 Rating, Deduct* | *-1,133.16* | |
| | | *For Class 54 Rating, Add* | *1,554.93* | |
| | | *For Class 55 Rating, Add* | *2,316.65* | |
| | | *For Class 56 Rating, Add* | *3,068.07* | |
| 40 05 19 00-3311 | EA | 14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,435.78 | 537.34 |
| | | *For Class 52 Rating, Deduct* | *-1,168.38* | |
| | | *For Class 54 Rating, Add* | *1,603.01* | |
| | | *For Class 55 Rating, Add* | *2,388.16* | |
| | | *For Class 56 Rating, Add* | *3,162.69* | |
| 40 05 19 00-3312 | EA | 14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,760.18 | 540.09 |
| | | *For Class 52 Rating, Deduct* | *-1,203.60* | |
| | | *For Class 54 Rating, Add* | *1,651.10* | |
| | | *For Class 55 Rating, Add* | *2,459.67* | |
| | | *For Class 56 Rating, Add* | *3,257.31* | |
| 40 05 19 00-3313 | EA | 14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,084.57 | 542.85 |
| | | *For Class 52 Rating, Deduct* | *-1,238.83* | |
| | | *For Class 54 Rating, Add* | *1,699.18* | |
| | | *For Class 55 Rating, Add* | *2,531.18* | |
| | | *For Class 56 Rating, Add* | *3,351.92* | |
| 40 05 19 00-3314 | EA | 14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,408.98 | 545.61 |
| | | *For Class 52 Rating, Deduct* | *-1,274.05* | |
| | | *For Class 54 Rating, Add* | *1,747.27* | |
| | | *For Class 55 Rating, Add* | *2,602.69* | |
| | | *For Class 56 Rating, Add* | *3,446.54* | |
| 40 05 19 00-3315 | EA | 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,733.37 | 548.35 |
| | | *For Class 52 Rating, Deduct* | *-1,309.28* | |
| | | *For Class 54 Rating, Add* | *1,795.35* | |
| | | *For Class 55 Rating, Add* | *2,674.20* | |
| | | *For Class 56 Rating, Add* | *3,541.15* | |
| 40 05 19 00-3316 | EA | 14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,057.76 | 551.11 |
| | | *For Class 52 Rating, Deduct* | *-1,344.50* | |
| | | *For Class 54 Rating, Add* | *1,843.43* | |
| | | *For Class 55 Rating, Add* | *2,745.71* | |
| | | *For Class 56 Rating, Add* | *3,635.77* | |
| 40 05 19 00-3317 | EA | 14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,382.16 | 553.87 |
| | | *For Class 52 Rating, Deduct* | *-1,379.73* | |
| | | *For Class 54 Rating, Add* | *1,891.51* | |
| | | *For Class 55 Rating, Add* | *2,817.22* | |
| | | *For Class 56 Rating, Add* | *3,730.38* | |
| 40 05 19 00-3318 | EA | 14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,706.56 | 556.62 |
| | | *For Class 52 Rating, Deduct* | *-1,414.95* | |
| | | *For Class 54 Rating, Add* | *1,939.60* | |
| | | *For Class 55 Rating, Add* | *2,888.73* | |
| | | *For Class 56 Rating, Add* | *3,825.00* | |
| 40 05 19 00-3319 | EA | 14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,030.95 | 559.38 |
| | | *For Class 52 Rating, Deduct* | *-1,450.17* | |
| | | *For Class 54 Rating, Add* | *1,987.68* | |
| | | *For Class 55 Rating, Add* | *2,960.24* | |
| | | *For Class 56 Rating, Add* | *3,919.61* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3320 | EA | 14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,355.34 | 562.14 |
| | | *For Class 52 Rating, Deduct* | *-1,485.40* | |
| | | *For Class 54 Rating, Add* | *2,035.76* | |
| | | *For Class 55 Rating, Add* | *3,031.75* | |
| | | *For Class 56 Rating, Add* | *4,014.23* | |
| 40 05 19 00-3321 | EA | 14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,679.75 | 564.90 |
| | | *For Class 52 Rating, Deduct* | *-1,520.62* | |
| | | *For Class 54 Rating, Add* | *2,083.85* | |
| | | *For Class 55 Rating, Add* | *3,103.26* | |
| | | *For Class 56 Rating, Add* | *4,108.85* | |
| 40 05 19 00-3322 | | 16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)* | | |
| 40 05 19 00-3323 | EA | 16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,131.81 | 529.07 |
| | | *For Class 52 Rating, Deduct* | *-256.32* | |
| | | *For Class 54 Rating, Add* | *359.15* | |
| | | *For Class 55 Rating, Add* | *538.87* | |
| | | *For Class 56 Rating, Add* | *716.26* | |
| 40 05 19 00-3324 | EA | 16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,507.67 | 531.83 |
| | | *For Class 52 Rating, Deduct* | *-297.21* | |
| | | *For Class 54 Rating, Add* | *414.95* | |
| | | *For Class 55 Rating, Add* | *621.86* | |
| | | *For Class 56 Rating, Add* | *826.06* | |
| 40 05 19 00-3325 | EA | 16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,883.52 | 534.59 |
| | | *For Class 52 Rating, Deduct* | *-338.09* | |
| | | *For Class 54 Rating, Add* | *470.75* | |
| | | *For Class 55 Rating, Add* | *704.84* | |
| | | *For Class 56 Rating, Add* | *935.86* | |
| 40 05 19 00-3326 | EA | 16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,259.39 | 537.34 |
| | | *For Class 52 Rating, Deduct* | *-378.98* | |
| | | *For Class 54 Rating, Add* | *526.56* | |
| | | *For Class 55 Rating, Add* | *787.83* | |
| | | *For Class 56 Rating, Add* | *1,045.66* | |
| 40 05 19 00-3327 | EA | 16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,635.26 | 540.09 |
| | | *For Class 52 Rating, Deduct* | *-419.86* | |
| | | *For Class 54 Rating, Add* | *582.36* | |
| | | *For Class 55 Rating, Add* | *870.82* | |
| | | *For Class 56 Rating, Add* | *1,155.45* | |
| 40 05 19 00-3328 | EA | 16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,011.11 | 542.85 |
| | | *For Class 52 Rating, Deduct* | *-460.75* | |
| | | *For Class 54 Rating, Add* | *638.16* | |
| | | *For Class 55 Rating, Add* | *953.80* | |
| | | *For Class 56 Rating, Add* | *1,265.25* | |
| 40 05 19 00-3329 | EA | 16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,386.98 | 545.61 |
| | | *For Class 52 Rating, Deduct* | *-501.63* | |
| | | *For Class 54 Rating, Add* | *693.97* | |
| | | *For Class 55 Rating, Add* | *1,036.79* | |
| | | *For Class 56 Rating, Add* | *1,375.05* | |
| 40 05 19 00-3330 | EA | 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,762.83 | 548.35 |
| | | *For Class 52 Rating, Deduct* | *-542.52* | |
| | | *For Class 54 Rating, Add* | *749.77* | |
| | | *For Class 55 Rating, Add* | *1,119.77* | |
| | | *For Class 56 Rating, Add* | *1,484.84* | |
| 40 05 19 00-3331 | EA | 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,138.69 | 551.11 |
| | | *For Class 52 Rating, Deduct* | *-583.40* | |
| | | *For Class 54 Rating, Add* | *805.57* | |
| | | *For Class 55 Rating, Add* | *1,202.76* | |
| | | *For Class 56 Rating, Add* | *1,594.64* | |
| 40 05 19 00-3332 | EA | 16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,514.55 | 553.87 |
| | | *For Class 52 Rating, Deduct* | *-624.29* | |
| | | *For Class 54 Rating, Add* | *861.37* | |
| | | *For Class 55 Rating, Add* | *1,285.74* | |
| | | *For Class 56 Rating, Add* | *1,704.44* | |
| 40 05 19 00-3333 | EA | 16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,890.42 | 556.62 |
| | | *For Class 52 Rating, Deduct* | *-665.17* | |
| | | *For Class 54 Rating, Add* | *917.18* | |
| | | *For Class 55 Rating, Add* | *1,368.73* | |
| | | *For Class 56 Rating, Add* | *1,814.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3334 | EA | 16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,266.27 | 559.38 |
| | | *For Class 52 Rating, Deduct* | *-706.06* | |
| | | *For Class 54 Rating, Add* | *972.98* | |
| | | *For Class 55 Rating, Add* | *1,451.72* | |
| | | *For Class 56 Rating, Add* | *1,924.03* | |
| 40 05 19 00-3335 | EA | 16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,642.13 | 562.14 |
| | | *For Class 52 Rating, Deduct* | *-746.95* | |
| | | *For Class 54 Rating, Add* | *1,028.78* | |
| | | *For Class 55 Rating, Add* | *1,534.70* | |
| | | *For Class 56 Rating, Add* | *2,033.83* | |
| 40 05 19 00-3336 | EA | 16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,018.00 | 564.90 |
| | | *For Class 52 Rating, Deduct* | *-787.83* | |
| | | *For Class 54 Rating, Add* | *1,084.59* | |
| | | *For Class 55 Rating, Add* | *1,617.69* | |
| | | *For Class 56 Rating, Add* | *2,143.63* | |
| 40 05 19 00-3337 | EA | 16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,393.86 | 567.65 |
| | | *For Class 52 Rating, Deduct* | *-828.72* | |
| | | *For Class 54 Rating, Add* | *1,140.39* | |
| | | *For Class 55 Rating, Add* | *1,700.67* | |
| | | *For Class 56 Rating, Add* | *2,253.43* | |
| 40 05 19 00-3338 | EA | 16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,769.72 | 570.40 |
| | | *For Class 52 Rating, Deduct* | *-869.60* | |
| | | *For Class 54 Rating, Add* | *1,196.19* | |
| | | *For Class 55 Rating, Add* | *1,783.66* | |
| | | *For Class 56 Rating, Add* | *2,363.23* | |
| 40 05 19 00-3339 | EA | 16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,145.57 | 573.16 |
| | | *For Class 52 Rating, Deduct* | *-910.49* | |
| | | *For Class 54 Rating, Add* | *1,251.99* | |
| | | *For Class 55 Rating, Add* | *1,866.65* | |
| | | *For Class 56 Rating, Add* | *2,473.02* | |
| 40 05 19 00-3340 | EA | 16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,521.45 | 575.91 |
| | | *For Class 52 Rating, Deduct* | *-951.37* | |
| | | *For Class 54 Rating, Add* | *1,307.80* | |
| | | *For Class 55 Rating, Add* | *1,949.63* | |
| | | *For Class 56 Rating, Add* | *2,582.82* | |
| 40 05 19 00-3341 | EA | 16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,897.30 | 578.67 |
| | | *For Class 52 Rating, Deduct* | *-992.26* | |
| | | *For Class 54 Rating, Add* | *1,363.60* | |
| | | *For Class 55 Rating, Add* | *2,032.62* | |
| | | *For Class 56 Rating, Add* | *2,692.62* | |
| 40 05 19 00-3342 | EA | 16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,273.16 | 581.43 |
| | | *For Class 52 Rating, Deduct* | *-1,033.14* | |
| | | *For Class 54 Rating, Add* | *1,419.40* | |
| | | *For Class 55 Rating, Add* | *2,115.61* | |
| | | *For Class 56 Rating, Add* | *2,802.42* | |
| 40 05 19 00-3343 | EA | 16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,649.01 | 584.19 |
| | | *For Class 52 Rating, Deduct* | *-1,074.03* | |
| | | *For Class 54 Rating, Add* | *1,475.20* | |
| | | *For Class 55 Rating, Add* | *2,198.59* | |
| | | *For Class 56 Rating, Add* | *2,912.21* | |
| 40 05 19 00-3344 | EA | 16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,024.89 | 586.94 |
| | | *For Class 52 Rating, Deduct* | *-1,114.91* | |
| | | *For Class 54 Rating, Add* | *1,531.01* | |
| | | *For Class 55 Rating, Add* | *2,281.58* | |
| | | *For Class 56 Rating, Add* | *3,022.01* | |
| 40 05 19 00-3345 | EA | 16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,400.75 | 589.70 |
| | | *For Class 52 Rating, Deduct* | *-1,155.80* | |
| | | *For Class 54 Rating, Add* | *1,586.81* | |
| | | *For Class 55 Rating, Add* | *2,364.56* | |
| | | *For Class 56 Rating, Add* | *3,131.81* | |
| 40 05 19 00-3346 | EA | 16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,776.60 | 592.45 |
| | | *For Class 52 Rating, Deduct* | *-1,196.68* | |
| | | *For Class 54 Rating, Add* | *1,642.61* | |
| | | *For Class 55 Rating, Add* | *2,447.55* | |
| | | *For Class 56 Rating, Add* | *3,241.61* | |
| 40 05 19 00-3347 | EA | 16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,152.46 | 595.21 |
| | | *For Class 52 Rating, Deduct* | *-1,237.57* | |
| | | *For Class 54 Rating, Add* | *1,698.42* | |
| | | *For Class 55 Rating, Add* | *2,530.54* | |
| | | *For Class 56 Rating, Add* | *3,351.40* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3348 | EA | 16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,528.32 | 597.96 |
| | | *For Class 52 Rating, Deduct* | *-1,278.46* | |
| | | *For Class 54 Rating, Add* | *1,754.22* | |
| | | *For Class 55 Rating, Add* | *2,613.52* | |
| | | *For Class 56 Rating, Add* | *3,461.20* | |
| 40 05 19 00-3349 | EA | 16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,904.19 | 600.72 |
| | | *For Class 52 Rating, Deduct* | *-1,319.34* | |
| | | *For Class 54 Rating, Add* | *1,810.02* | |
| | | *For Class 55 Rating, Add* | *2,696.51* | |
| | | *For Class 56 Rating, Add* | *3,571.00* | |
| 40 05 19 00-3350 | EA | 16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,280.04 | 603.48 |
| | | *For Class 52 Rating, Deduct* | *-1,360.23* | |
| | | *For Class 54 Rating, Add* | *1,865.83* | |
| | | *For Class 55 Rating, Add* | *2,779.49* | |
| | | *For Class 56 Rating, Add* | *3,680.80* | |
| 40 05 19 00-3351 | EA | 16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,655.91 | 606.23 |
| | | *For Class 52 Rating, Deduct* | *-1,401.11* | |
| | | *For Class 54 Rating, Add* | *1,921.63* | |
| | | *For Class 55 Rating, Add* | *2,862.48* | |
| | | *For Class 56 Rating, Add* | *3,790.59* | |
| 40 05 19 00-3352 | EA | 16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,031.77 | 608.99 |
| | | *For Class 52 Rating, Deduct* | *-1,442.00* | |
| | | *For Class 54 Rating, Add* | *1,977.43* | |
| | | *For Class 55 Rating, Add* | *2,945.47* | |
| | | *For Class 56 Rating, Add* | *3,900.39* | |
| 40 05 19 00-3353 | EA | 16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,407.63 | 611.75 |
| | | *For Class 52 Rating, Deduct* | *-1,482.88* | |
| | | *For Class 54 Rating, Add* | *2,033.24* | |
| | | *For Class 55 Rating, Add* | *3,028.45* | |
| | | *For Class 56 Rating, Add* | *4,010.19* | |
| 40 05 19 00-3354 | EA | 16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,783.49 | 614.51 |
| | | *For Class 52 Rating, Deduct* | *-1,523.77* | |
| | | *For Class 54 Rating, Add* | *2,089.04* | |
| | | *For Class 55 Rating, Add* | *3,111.44* | |
| | | *For Class 56 Rating, Add* | *4,119.99* | |
| 40 05 19 00-3355 | EA | 16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,159.35 | 617.24 |
| | | *For Class 52 Rating, Deduct* | *-1,564.65* | |
| | | *For Class 54 Rating, Add* | *2,144.84* | |
| | | *For Class 55 Rating, Add* | *3,194.42* | |
| | | *For Class 56 Rating, Add* | *4,229.78* | |
| 40 05 19 00-3356 | EA | 16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,535.21 | 620.00 |
| | | *For Class 52 Rating, Deduct* | *-1,605.54* | |
| | | *For Class 54 Rating, Add* | *2,200.64* | |
| | | *For Class 55 Rating, Add* | *3,277.41* | |
| | | *For Class 56 Rating, Add* | *4,339.58* | |
| 40 05 19 00-3357 | EA | 16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,911.07 | 622.76 |
| | | *For Class 52 Rating, Deduct* | *-1,646.42* | |
| | | *For Class 54 Rating, Add* | *2,256.45* | |
| | | *For Class 55 Rating, Add* | *3,360.40* | |
| | | *For Class 56 Rating, Add* | *4,449.38* | |
| 40 05 19 00-3358 | EA | 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,286.94 | 625.51 |
| | | *For Class 52 Rating, Deduct* | *-1,687.31* | |
| | | *For Class 54 Rating, Add* | *2,312.25* | |
| | | *For Class 55 Rating, Add* | *3,443.38* | |
| | | *For Class 56 Rating, Add* | *4,559.18* | |
| 40 05 19 00-3359 | EA | 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,662.79 | 628.27 |
| | | *For Class 52 Rating, Deduct* | *-1,728.19* | |
| | | *For Class 54 Rating, Add* | *2,368.05* | |
| | | *For Class 55 Rating, Add* | *3,526.37* | |
| | | *For Class 56 Rating, Add* | *4,668.97* | |
| 40 05 19 00-3360 | EA | 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,038.65 | 631.03 |
| | | *For Class 52 Rating, Deduct* | *-1,769.08* | |
| | | *For Class 54 Rating, Add* | *2,423.86* | |
| | | *For Class 55 Rating, Add* | *3,609.36* | |
| | | *For Class 56 Rating, Add* | *4,778.77* | |

40 05 19 00-3361 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3362 | EA | 18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 3,633.96 | 596.32 |
| | | *For Class 52 Rating, Deduct* | *-300.35* | |
| | | *For Class 54 Rating, Add* | *420.41* | |
| | | *For Class 55 Rating, Add* | *630.58* | |
| | | *For Class 56 Rating, Add* | *838.01* | |
| 40 05 19 00-3363 | EA | 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,067.00 | 599.07 |
| | | *For Class 52 Rating, Deduct* | *-347.53* | |
| | | *For Class 54 Rating, Add* | *484.79* | |
| | | *For Class 55 Rating, Add* | *726.31* | |
| | | *For Class 56 Rating, Add* | *964.68* | |
| 40 05 19 00-3364 | EA | 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,500.05 | 601.81 |
| | | *For Class 52 Rating, Deduct* | *-394.70* | |
| | | *For Class 54 Rating, Add* | *549.17* | |
| | | *For Class 55 Rating, Add* | *822.05* | |
| | | *For Class 56 Rating, Add* | *1,091.35* | |
| 40 05 19 00-3365 | EA | 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,933.09 | 604.57 |
| | | *For Class 52 Rating, Deduct* | *-441.88* | |
| | | *For Class 54 Rating, Add* | *613.55* | |
| | | *For Class 55 Rating, Add* | *917.79* | |
| | | *For Class 56 Rating, Add* | *1,218.01* | |
| 40 05 19 00-3366 | EA | 18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,366.13 | 607.33 |
| | | *For Class 52 Rating, Deduct* | *-489.05* | |
| | | *For Class 54 Rating, Add* | *677.93* | |
| | | *For Class 55 Rating, Add* | *1,013.53* | |
| | | *For Class 56 Rating, Add* | *1,344.68* | |
| 40 05 19 00-3367 | EA | 18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,799.17 | 610.08 |
| | | *For Class 52 Rating, Deduct* | *-536.23* | |
| | | *For Class 54 Rating, Add* | *742.31* | |
| | | *For Class 55 Rating, Add* | *1,109.27* | |
| | | *For Class 56 Rating, Add* | *1,471.34* | |
| 40 05 19 00-3368 | EA | 18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,232.22 | 612.84 |
| | | *For Class 52 Rating, Deduct* | *-583.40* | |
| | | *For Class 54 Rating, Add* | *806.69* | |
| | | *For Class 55 Rating, Add* | *1,205.00* | |
| | | *For Class 56 Rating, Add* | *1,598.01* | |
| 40 05 19 00-3369 | EA | 18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,665.27 | 615.60 |
| | | *For Class 52 Rating, Deduct* | *-630.58* | |
| | | *For Class 54 Rating, Add* | *871.07* | |
| | | *For Class 55 Rating, Add* | *1,300.74* | |
| | | *For Class 56 Rating, Add* | *1,724.68* | |
| 40 05 19 00-3370 | EA | 18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,098.30 | 618.36 |
| | | *For Class 52 Rating, Deduct* | *-677.75* | |
| | | *For Class 54 Rating, Add* | *935.45* | |
| | | *For Class 55 Rating, Add* | *1,396.48* | |
| | | *For Class 56 Rating, Add* | *1,851.34* | |
| 40 05 19 00-3371 | EA | 18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,531.34 | 621.10 |
| | | *For Class 52 Rating, Deduct* | *-724.93* | |
| | | *For Class 54 Rating, Add* | *999.83* | |
| | | *For Class 55 Rating, Add* | *1,492.22* | |
| | | *For Class 56 Rating, Add* | *1,978.01* | |
| 40 05 19 00-3372 | EA | 18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,964.40 | 623.86 |
| | | *For Class 52 Rating, Deduct* | *-772.11* | |
| | | *For Class 54 Rating, Add* | *1,064.21* | |
| | | *For Class 55 Rating, Add* | *1,587.95* | |
| | | *For Class 56 Rating, Add* | *2,104.68* | |
| 40 05 19 00-3373 | EA | 18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,397.44 | 626.62 |
| | | *For Class 52 Rating, Deduct* | *-819.28* | |
| | | *For Class 54 Rating, Add* | *1,128.59* | |
| | | *For Class 55 Rating, Add* | *1,683.69* | |
| | | *For Class 56 Rating, Add* | *2,231.34* | |
| 40 05 19 00-3374 | EA | 18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,830.48 | 629.37 |
| | | *For Class 52 Rating, Deduct* | *-866.46* | |
| | | *For Class 54 Rating, Add* | *1,192.98* | |
| | | *For Class 55 Rating, Add* | *1,779.43* | |
| | | *For Class 56 Rating, Add* | *2,358.01* | |
| 40 05 19 00-3375 | EA | 18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,263.51 | 632.13 |
| | | *For Class 52 Rating, Deduct* | *-913.63* | |
| | | *For Class 54 Rating, Add* | *1,257.35* | |
| | | *For Class 55 Rating, Add* | *1,875.17* | |
| | | *For Class 56 Rating, Add* | *2,484.67* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3376 | EA | 18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,696.56 | 634.89 |
| | | *For Class 52 Rating, Deduct* | *-960.81* | |
| | | *For Class 54 Rating, Add* | *1,321.73* | |
| | | *For Class 55 Rating, Add* | *1,970.90* | |
| | | *For Class 56 Rating, Add* | *2,611.34* | |
| 40 05 19 00-3377 | EA | 18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,129.61 | 637.65 |
| | | *For Class 52 Rating, Deduct* | *-1,007.98* | |
| | | *For Class 54 Rating, Add* | *1,386.12* | |
| | | *For Class 55 Rating, Add* | *2,066.64* | |
| | | *For Class 56 Rating, Add* | *2,738.01* | |
| 40 05 19 00-3378 | EA | 18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,562.65 | 640.39 |
| | | *For Class 52 Rating, Deduct* | *-1,055.16* | |
| | | *For Class 54 Rating, Add* | *1,450.50* | |
| | | *For Class 55 Rating, Add* | *2,162.38* | |
| | | *For Class 56 Rating, Add* | *2,864.67* | |
| 40 05 19 00-3379 | EA | 18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,995.69 | 643.15 |
| | | *For Class 52 Rating, Deduct* | *-1,102.33* | |
| | | *For Class 54 Rating, Add* | *1,514.88* | |
| | | *For Class 55 Rating, Add* | *2,258.12* | |
| | | *For Class 56 Rating, Add* | *2,991.34* | |
| 40 05 19 00-3380 | EA | 18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,428.73 | 645.91 |
| | | *For Class 52 Rating, Deduct* | *-1,149.51* | |
| | | *For Class 54 Rating, Add* | *1,579.26* | |
| | | *For Class 55 Rating, Add* | *2,353.86* | |
| | | *For Class 56 Rating, Add* | *3,118.01* | |
| 40 05 19 00-3381 | EA | 18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,861.78 | 648.66 |
| | | *For Class 52 Rating, Deduct* | *-1,196.68* | |
| | | *For Class 54 Rating, Add* | *1,643.64* | |
| | | *For Class 55 Rating, Add* | *2,449.59* | |
| | | *For Class 56 Rating, Add* | *3,244.67* | |
| 40 05 19 00-3382 | EA | 18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,294.82 | 651.42 |
| | | *For Class 52 Rating, Deduct* | *-1,243.86* | |
| | | *For Class 54 Rating, Add* | *1,708.02* | |
| | | *For Class 55 Rating, Add* | *2,545.33* | |
| | | *For Class 56 Rating, Add* | *3,371.34* | |
| 40 05 19 00-3383 | EA | 18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,727.87 | 654.18 |
| | | *For Class 52 Rating, Deduct* | *-1,291.04* | |
| | | *For Class 54 Rating, Add* | *1,772.40* | |
| | | *For Class 55 Rating, Add* | *2,641.07* | |
| | | *For Class 56 Rating, Add* | *3,498.01* | |
| 40 05 19 00-3384 | EA | 18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,160.91 | 656.94 |
| | | *For Class 52 Rating, Deduct* | *-1,338.21* | |
| | | *For Class 54 Rating, Add* | *1,836.78* | |
| | | *For Class 55 Rating, Add* | *2,736.81* | |
| | | *For Class 56 Rating, Add* | *3,624.67* | |
| 40 05 19 00-3385 | EA | 18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,593.95 | 659.69 |
| | | *For Class 52 Rating, Deduct* | *-1,385.39* | |
| | | *For Class 54 Rating, Add* | *1,901.16* | |
| | | *For Class 55 Rating, Add* | *2,832.54* | |
| | | *For Class 56 Rating, Add* | *3,751.34* | |
| 40 05 19 00-3386 | EA | 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,026.99 | 662.45 |
| | | *For Class 52 Rating, Deduct* | *-1,432.56* | |
| | | *For Class 54 Rating, Add* | *1,965.54* | |
| | | *For Class 55 Rating, Add* | *2,928.28* | |
| | | *For Class 56 Rating, Add* | *3,878.00* | |
| 40 05 19 00-3387 | EA | 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,460.04 | 665.20 |
| | | *For Class 52 Rating, Deduct* | *-1,479.74* | |
| | | *For Class 54 Rating, Add* | *2,029.92* | |
| | | *For Class 55 Rating, Add* | *3,024.02* | |
| | | *For Class 56 Rating, Add* | *4,004.67* | |
| 40 05 19 00-3388 | EA | 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,893.08 | 667.96 |
| | | *For Class 52 Rating, Deduct* | *-1,526.91* | |
| | | *For Class 54 Rating, Add* | *2,094.30* | |
| | | *For Class 55 Rating, Add* | *3,119.76* | |
| | | *For Class 56 Rating, Add* | *4,131.34* | |
| 40 05 19 00-3389 | EA | 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,326.13 | 670.70 |
| | | *For Class 52 Rating, Deduct* | *-1,574.09* | |
| | | *For Class 54 Rating, Add* | *2,158.68* | |
| | | *For Class 55 Rating, Add* | *3,215.50* | |
| | | *For Class 56 Rating, Add* | *4,258.00* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3390 | EA | 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,759.17 | 673.46 |
| | | *For Class 52 Rating, Deduct* | *-1,621.26* | |
| | | *For Class 54 Rating, Add* | *2,223.06* | |
| | | *For Class 55 Rating, Add* | *3,311.23* | |
| | | *For Class 56 Rating, Add* | *4,384.67* | |
| 40 05 19 00-3391 | EA | 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,192.21 | 676.22 |
| | | *For Class 52 Rating, Deduct* | *-1,668.44* | |
| | | *For Class 54 Rating, Add* | *2,287.44* | |
| | | *For Class 55 Rating, Add* | *3,406.97* | |
| | | *For Class 56 Rating, Add* | *4,511.34* | |
| 40 05 19 00-3392 | EA | 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,625.25 | 678.97 |
| | | *For Class 52 Rating, Deduct* | *-1,715.62* | |
| | | *For Class 54 Rating, Add* | *2,351.82* | |
| | | *For Class 55 Rating, Add* | *3,502.71* | |
| | | *For Class 56 Rating, Add* | *4,638.00* | |
| 40 05 19 00-3393 | EA | 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,058.30 | 681.73 |
| | | *For Class 52 Rating, Deduct* | *-1,762.79* | |
| | | *For Class 54 Rating, Add* | *2,416.20* | |
| | | *For Class 55 Rating, Add* | *3,598.45* | |
| | | *For Class 56 Rating, Add* | *4,764.67* | |
| 40 05 19 00-3394 | EA | 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,491.35 | 684.49 |
| | | *For Class 52 Rating, Deduct* | *-1,809.97* | |
| | | *For Class 54 Rating, Add* | *2,480.58* | |
| | | *For Class 55 Rating, Add* | *3,694.19* | |
| | | *For Class 56 Rating, Add* | *4,891.34* | |
| 40 05 19 00-3395 | EA | 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,924.38 | 687.24 |
| | | *For Class 52 Rating, Deduct* | *-1,857.14* | |
| | | *For Class 54 Rating, Add* | *2,544.96* | |
| | | *For Class 55 Rating, Add* | *3,789.92* | |
| | | *For Class 56 Rating, Add* | *5,018.00* | |
| 40 05 19 00-3396 | EA | 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,357.42 | 689.99 |
| | | *For Class 52 Rating, Deduct* | *-1,904.32* | |
| | | *For Class 54 Rating, Add* | *2,609.34* | |
| | | *For Class 55 Rating, Add* | *3,885.66* | |
| | | *For Class 56 Rating, Add* | *5,144.67* | |
| 40 05 19 00-3397 | EA | 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,790.46 | 692.75 |
| | | *For Class 52 Rating, Deduct* | *-1,951.49* | |
| | | *For Class 54 Rating, Add* | *2,673.72* | |
| | | *For Class 55 Rating, Add* | *3,981.40* | |
| | | *For Class 56 Rating, Add* | *5,271.33* | |
| 40 05 19 00-3398 | EA | 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,223.52 | 695.51 |
| | | *For Class 52 Rating, Deduct* | *-1,998.67* | |
| | | *For Class 54 Rating, Add* | *2,738.10* | |
| | | *For Class 55 Rating, Add* | *4,077.14* | |
| | | *For Class 56 Rating, Add* | *5,398.00* | |
| 40 05 19 00-3399 | EA | 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,656.56 | 698.26 |
| | | *For Class 52 Rating, Deduct* | *-2,045.84* | |
| | | *For Class 54 Rating, Add* | *2,802.48* | |
| | | *For Class 55 Rating, Add* | *4,172.87* | |
| | | *For Class 56 Rating, Add* | *5,524.67* | |

## 40 05 19 00-3400 20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3401 | EA | 20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,233.47 | 680.64 |
| | | *For Class 52 Rating, Deduct* | *-352.24* | |
| | | *For Class 54 Rating, Add* | *492.71* | |
| | | *For Class 55 Rating, Add* | *738.84* | |
| | | *For Class 56 Rating, Add* | *981.78* | |
| 40 05 19 00-3402 | EA | 20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 4,726.55 | 683.39 |
| | | *For Class 52 Rating, Deduct* | *-406.02* | |
| | | *For Class 54 Rating, Add* | *566.09* | |
| | | *For Class 55 Rating, Add* | *847.97* | |
| | | *For Class 56 Rating, Add* | *1,126.16* | |
| 40 05 19 00-3403 | EA | 20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,219.64 | 686.13 |
| | | *For Class 52 Rating, Deduct* | *-459.80* | |
| | | *For Class 54 Rating, Add* | *639.48* | |
| | | *For Class 55 Rating, Add* | *957.10* | |
| | | *For Class 56 Rating, Add* | *1,270.53* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3404 | EA | 20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,712.72 | 688.89 |
| | | *For Class 52 Rating, Deduct* | *-513.58* | |
| | | *For Class 54 Rating, Add* | *712.87* | |
| | | *For Class 55 Rating, Add* | *1,066.22* | |
| | | *For Class 56 Rating, Add* | *1,414.91* | |
| 40 05 19 00-3405 | EA | 20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,205.81 | 691.65 |
| | | *For Class 52 Rating, Deduct* | *-567.36* | |
| | | *For Class 54 Rating, Add* | *786.25* | |
| | | *For Class 55 Rating, Add* | *1,175.35* | |
| | | *For Class 56 Rating, Add* | *1,559.29* | |
| 40 05 19 00-3406 | EA | 20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,698.89 | 694.40 |
| | | *For Class 52 Rating, Deduct* | *-621.14* | |
| | | *For Class 54 Rating, Add* | *859.64* | |
| | | *For Class 55 Rating, Add* | *1,284.48* | |
| | | *For Class 56 Rating, Add* | *1,703.67* | |
| 40 05 19 00-3407 | EA | 20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,191.98 | 697.16 |
| | | *For Class 52 Rating, Deduct* | *-674.92* | |
| | | *For Class 54 Rating, Add* | *933.03* | |
| | | *For Class 55 Rating, Add* | *1,393.61* | |
| | | *For Class 56 Rating, Add* | *1,848.05* | |
| 40 05 19 00-3408 | EA | 20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,685.06 | 699.92 |
| | | *For Class 52 Rating, Deduct* | *-728.70* | |
| | | *For Class 54 Rating, Add* | *1,006.41* | |
| | | *For Class 55 Rating, Add* | *1,502.73* | |
| | | *For Class 56 Rating, Add* | *1,992.43* | |
| 40 05 19 00-3409 | EA | 20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,178.15 | 702.68 |
| | | *For Class 52 Rating, Deduct* | *-782.48* | |
| | | *For Class 54 Rating, Add* | *1,079.80* | |
| | | *For Class 55 Rating, Add* | *1,611.86* | |
| | | *For Class 56 Rating, Add* | *2,136.81* | |
| 40 05 19 00-3410 | EA | 20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,671.23 | 705.42 |
| | | *For Class 52 Rating, Deduct* | *-836.26* | |
| | | *For Class 54 Rating, Add* | *1,153.19* | |
| | | *For Class 55 Rating, Add* | *1,720.99* | |
| | | *For Class 56 Rating, Add* | *2,281.19* | |
| 40 05 19 00-3411 | EA | 20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,164.32 | 708.18 |
| | | *For Class 52 Rating, Deduct* | *-890.04* | |
| | | *For Class 54 Rating, Add* | *1,226.57* | |
| | | *For Class 55 Rating, Add* | *1,830.11* | |
| | | *For Class 56 Rating, Add* | *2,425.56* | |
| 40 05 19 00-3412 | EA | 20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,657.40 | 710.94 |
| | | *For Class 52 Rating, Deduct* | *-943.82* | |
| | | *For Class 54 Rating, Add* | *1,299.96* | |
| | | *For Class 55 Rating, Add* | *1,939.24* | |
| | | *For Class 56 Rating, Add* | *2,569.94* | |
| 40 05 19 00-3413 | EA | 20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,150.48 | 713.69 |
| | | *For Class 52 Rating, Deduct* | *-997.60* | |
| | | *For Class 54 Rating, Add* | *1,373.35* | |
| | | *For Class 55 Rating, Add* | *2,048.37* | |
| | | *For Class 56 Rating, Add* | *2,714.32* | |
| 40 05 19 00-3414 | EA | 20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,643.58 | 716.45 |
| | | *For Class 52 Rating, Deduct* | *-1,051.38* | |
| | | *For Class 54 Rating, Add* | *1,446.73* | |
| | | *For Class 55 Rating, Add* | *2,157.50* | |
| | | *For Class 56 Rating, Add* | *2,858.70* | |
| 40 05 19 00-3415 | EA | 20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,136.66 | 719.21 |
| | | *For Class 52 Rating, Deduct* | *-1,105.16* | |
| | | *For Class 54 Rating, Add* | *1,520.12* | |
| | | *For Class 55 Rating, Add* | *2,266.62* | |
| | | *For Class 56 Rating, Add* | *3,003.08* | |
| 40 05 19 00-3416 | EA | 20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,629.74 | 721.97 |
| | | *For Class 52 Rating, Deduct* | *-1,158.94* | |
| | | *For Class 54 Rating, Add* | *1,593.51* | |
| | | *For Class 55 Rating, Add* | *2,375.75* | |
| | | *For Class 56 Rating, Add* | *3,147.46* | |
| 40 05 19 00-3417 | EA | 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,122.82 | 724.72 |
| | | *For Class 52 Rating, Deduct* | *-1,212.72* | |
| | | *For Class 54 Rating, Add* | *1,666.89* | |
| | | *For Class 55 Rating, Add* | *2,484.88* | |
| | | *For Class 56 Rating, Add* | *3,291.84* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3418 | EA | 20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,615.92 | 727.47 |
| | | *For Class 52 Rating, Deduct* | *-1,266.50* | |
| | | *For Class 54 Rating, Add* | *1,740.28* | |
| | | *For Class 55 Rating, Add* | *2,594.00* | |
| | | *For Class 56 Rating, Add* | *3,436.22* | |
| 40 05 19 00-3419 | EA | 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,109.00 | 730.23 |
| | | *For Class 52 Rating, Deduct* | *-1,320.28* | |
| | | *For Class 54 Rating, Add* | *1,813.67* | |
| | | *For Class 55 Rating, Add* | *2,703.13* | |
| | | *For Class 56 Rating, Add* | *3,580.59* | |
| 40 05 19 00-3420 | EA | 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,602.08 | 732.99 |
| | | *For Class 52 Rating, Deduct* | *-1,374.07* | |
| | | *For Class 54 Rating, Add* | *1,887.05* | |
| | | *For Class 55 Rating, Add* | *2,812.26* | |
| | | *For Class 56 Rating, Add* | *3,724.97* | |
| 40 05 19 00-3421 | EA | 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,095.16 | 735.74 |
| | | *For Class 52 Rating, Deduct* | *-1,427.84* | |
| | | *For Class 54 Rating, Add* | *1,960.44* | |
| | | *For Class 55 Rating, Add* | *2,921.38* | |
| | | *For Class 56 Rating, Add* | *3,869.35* | |
| 40 05 19 00-3422 | EA | 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,588.25 | 738.50 |
| | | *For Class 52 Rating, Deduct* | *-1,481.62* | |
| | | *For Class 54 Rating, Add* | *2,033.82* | |
| | | *For Class 55 Rating, Add* | *3,030.51* | |
| | | *For Class 56 Rating, Add* | *4,013.73* | |
| 40 05 19 00-3423 | EA | 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,081.33 | 741.26 |
| | | *For Class 52 Rating, Deduct* | *-1,535.40* | |
| | | *For Class 54 Rating, Add* | *2,107.21* | |
| | | *For Class 55 Rating, Add* | *3,139.64* | |
| | | *For Class 56 Rating, Add* | *4,158.11* | |
| 40 05 19 00-3424 | EA | 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,574.41 | 744.01 |
| | | *For Class 52 Rating, Deduct* | *-1,589.18* | |
| | | *For Class 54 Rating, Add* | *2,180.60* | |
| | | *For Class 55 Rating, Add* | *3,248.76* | |
| | | *For Class 56 Rating, Add* | *4,302.49* | |
| 40 05 19 00-3425 | EA | 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,067.50 | 746.77 |
| | | *For Class 52 Rating, Deduct* | *-1,642.96* | |
| | | *For Class 54 Rating, Add* | *2,253.98* | |
| | | *For Class 55 Rating, Add* | *3,357.89* | |
| | | *For Class 56 Rating, Add* | *4,446.86* | |
| 40 05 19 00-3426 | EA | 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,560.59 | 749.52 |
| | | *For Class 52 Rating, Deduct* | *-1,696.74* | |
| | | *For Class 54 Rating, Add* | *2,327.37* | |
| | | *For Class 55 Rating, Add* | *3,467.02* | |
| | | *For Class 56 Rating, Add* | *4,591.24* | |
| 40 05 19 00-3427 | EA | 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,053.67 | 752.28 |
| | | *For Class 52 Rating, Deduct* | *-1,750.52* | |
| | | *For Class 54 Rating, Add* | *2,400.76* | |
| | | *For Class 55 Rating, Add* | *3,576.15* | |
| | | *For Class 56 Rating, Add* | *4,735.62* | |
| 40 05 19 00-3428 | EA | 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,546.75 | 755.02 |
| | | *For Class 52 Rating, Deduct* | *-1,804.30* | |
| | | *For Class 54 Rating, Add* | *2,474.14* | |
| | | *For Class 55 Rating, Add* | *3,685.27* | |
| | | *For Class 56 Rating, Add* | *4,880.00* | |
| 40 05 19 00-3429 | EA | 20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,039.84 | 757.78 |
| | | *For Class 52 Rating, Deduct* | *-1,858.08* | |
| | | *For Class 54 Rating, Add* | *2,547.53* | |
| | | *For Class 55 Rating, Add* | *3,794.40* | |
| | | *For Class 56 Rating, Add* | *5,024.38* | |
| 40 05 19 00-3430 | EA | 20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,532.92 | 760.54 |
| | | *For Class 52 Rating, Deduct* | *-1,911.86* | |
| | | *For Class 54 Rating, Add* | *2,620.92* | |
| | | *For Class 55 Rating, Add* | *3,903.53* | |
| | | *For Class 56 Rating, Add* | *5,168.76* | |
| 40 05 19 00-3431 | EA | 20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,026.01 | 763.29 |
| | | *For Class 52 Rating, Deduct* | *-1,965.65* | |
| | | *For Class 54 Rating, Add* | *2,694.30* | |
| | | *For Class 55 Rating, Add* | *4,012.65* | |
| | | *For Class 56 Rating, Add* | *5,313.14* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3432 | EA | 20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,519.10 | 766.05 |
| | | *For Class 52 Rating, Deduct* | *-2,019.43* | |
| | | *For Class 54 Rating, Add* | *2,767.69* | |
| | | *For Class 55 Rating, Add* | *4,121.78* | |
| | | *For Class 56 Rating, Add* | *5,457.52* | |
| 40 05 19 00-3433 | EA | 20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,012.18 | 768.81 |
| | | *For Class 52 Rating, Deduct* | *-2,073.21* | |
| | | *For Class 54 Rating, Add* | *2,841.08* | |
| | | *For Class 55 Rating, Add* | *4,230.91* | |
| | | *For Class 56 Rating, Add* | *5,601.89* | |
| 40 05 19 00-3434 | EA | 20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,505.26 | 771.57 |
| | | *For Class 52 Rating, Deduct* | *-2,126.99* | |
| | | *For Class 54 Rating, Add* | *2,914.46* | |
| | | *For Class 55 Rating, Add* | *4,340.04* | |
| | | *For Class 56 Rating, Add* | *5,746.27* | |
| 40 05 19 00-3435 | EA | 20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,998.35 | 774.31 |
| | | *For Class 52 Rating, Deduct* | *-2,180.77* | |
| | | *For Class 54 Rating, Add* | *2,987.85* | |
| | | *For Class 55 Rating, Add* | *4,449.16* | |
| | | *For Class 56 Rating, Add* | *5,890.65* | |
| 40 05 19 00-3436 | EA | 20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,491.44 | 777.07 |
| | | *For Class 52 Rating, Deduct* | *-2,234.55* | |
| | | *For Class 54 Rating, Add* | *3,061.24* | |
| | | *For Class 55 Rating, Add* | *4,558.29* | |
| | | *For Class 56 Rating, Add* | *6,035.03* | |
| 40 05 19 00-3437 | EA | 20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,984.52 | 779.83 |
| | | *For Class 52 Rating, Deduct* | *-2,288.33* | |
| | | *For Class 54 Rating, Add* | *3,134.62* | |
| | | *For Class 55 Rating, Add* | *4,667.42* | |
| | | *For Class 56 Rating, Add* | *6,179.41* | |
| 40 05 19 00-3438 | EA | 20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,477.60 | 782.58 |
| | | *For Class 52 Rating, Deduct* | *-2,342.11* | |
| | | *For Class 54 Rating, Add* | *3,208.01* | |
| | | *For Class 55 Rating, Add* | *4,776.54* | |
| | | *For Class 56 Rating, Add* | *6,323.79* | |

## 40 05 19 00-3439 24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3440 | EA | 24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,216.18 | 804.63 |
| | | *For Class 52 Rating, Deduct* | *-439.68* | |
| | | *For Class 54 Rating, Add* | *614.19* | |
| | | *For Class 55 Rating, Add* | *920.60* | |
| | | *For Class 56 Rating, Add* | *1,223.02* | |
| 40 05 19 00-3441 | EA | 24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 5,826.50 | 807.39 |
| | | *For Class 52 Rating, Deduct* | *-506.35* | |
| | | *For Class 54 Rating, Add* | *705.16* | |
| | | *For Class 55 Rating, Add* | *1,055.87* | |
| | | *For Class 56 Rating, Add* | *1,401.98* | |
| 40 05 19 00-3442 | EA | 24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 6,436.81 | 810.15 |
| | | *For Class 52 Rating, Deduct* | *-573.03* | |
| | | *For Class 54 Rating, Add* | *796.13* | |
| | | *For Class 55 Rating, Add* | *1,191.14* | |
| | | *For Class 56 Rating, Add* | *1,580.94* | |
| 40 05 19 00-3443 | EA | 24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,047.11 | 812.90 |
| | | *For Class 52 Rating, Deduct* | *-639.70* | |
| | | *For Class 54 Rating, Add* | *887.10* | |
| | | *For Class 55 Rating, Add* | *1,326.41* | |
| | | *For Class 56 Rating, Add* | *1,759.90* | |
| 40 05 19 00-3444 | EA | 24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 7,657.42 | 815.65 |
| | | *For Class 52 Rating, Deduct* | *-706.37* | |
| | | *For Class 54 Rating, Add* | *978.07* | |
| | | *For Class 55 Rating, Add* | *1,461.67* | |
| | | *For Class 56 Rating, Add* | *1,938.86* | |
| 40 05 19 00-3445 | EA | 24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,267.73 | 818.41 |
| | | *For Class 52 Rating, Deduct* | *-773.05* | |
| | | *For Class 54 Rating, Add* | *1,069.04* | |
| | | *For Class 55 Rating, Add* | *1,596.94* | |
| | | *For Class 56 Rating, Add* | *2,117.82* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3446 | EA | 24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,878.04 | 821.17 |
| | | *For Class 52 Rating, Deduct* | *-839.72* | |
| | | *For Class 54 Rating, Add* | *1,160.01* | |
| | | *For Class 55 Rating, Add* | *1,732.21* | |
| | | *For Class 56 Rating, Add* | *2,296.78* | |
| 40 05 19 00-3447 | EA | 24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,488.34 | 823.92 |
| | | *For Class 52 Rating, Deduct* | *-906.40* | |
| | | *For Class 54 Rating, Add* | *1,250.98* | |
| | | *For Class 55 Rating, Add* | *1,867.48* | |
| | | *For Class 56 Rating, Add* | *2,475.74* | |
| 40 05 19 00-3448 | EA | 24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,098.66 | 826.68 |
| | | *For Class 52 Rating, Deduct* | *-973.07* | |
| | | *For Class 54 Rating, Add* | *1,341.95* | |
| | | *For Class 55 Rating, Add* | *2,002.75* | |
| | | *For Class 56 Rating, Add* | *2,654.70* | |
| 40 05 19 00-3449 | EA | 24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,708.96 | 829.44 |
| | | *For Class 52 Rating, Deduct* | *-1,039.75* | |
| | | *For Class 54 Rating, Add* | *1,432.92* | |
| | | *For Class 55 Rating, Add* | *2,138.01* | |
| | | *For Class 56 Rating, Add* | *2,833.66* | |
| 40 05 19 00-3450 | EA | 24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,319.27 | 832.18 |
| | | *For Class 52 Rating, Deduct* | *-1,106.42* | |
| | | *For Class 54 Rating, Add* | *1,523.89* | |
| | | *For Class 55 Rating, Add* | *2,273.28* | |
| | | *For Class 56 Rating, Add* | *3,012.61* | |
| 40 05 19 00-3451 | EA | 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,929.58 | 834.94 |
| | | *For Class 52 Rating, Deduct* | *-1,173.10* | |
| | | *For Class 54 Rating, Add* | *1,614.86* | |
| | | *For Class 55 Rating, Add* | *2,408.55* | |
| | | *For Class 56 Rating, Add* | *3,191.58* | |
| 40 05 19 00-3452 | EA | 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,539.89 | 837.69 |
| | | *For Class 52 Rating, Deduct* | *-1,239.77* | |
| | | *For Class 54 Rating, Add* | *1,705.83* | |
| | | *For Class 55 Rating, Add* | *2,543.82* | |
| | | *For Class 56 Rating, Add* | *3,370.53* | |
| 40 05 19 00-3453 | EA | 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,150.19 | 840.45 |
| | | *For Class 52 Rating, Deduct* | *-1,306.45* | |
| | | *For Class 54 Rating, Add* | *1,796.80* | |
| | | *For Class 55 Rating, Add* | *2,679.08* | |
| | | *For Class 56 Rating, Add* | *3,549.49* | |
| 40 05 19 00-3454 | EA | 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,760.51 | 843.20 |
| | | *For Class 52 Rating, Deduct* | *-1,373.12* | |
| | | *For Class 54 Rating, Add* | *1,887.77* | |
| | | *For Class 55 Rating, Add* | *2,814.35* | |
| | | *For Class 56 Rating, Add* | *3,728.45* | |
| 40 05 19 00-3455 | EA | 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,370.82 | 845.96 |
| | | *For Class 52 Rating, Deduct* | *-1,439.80* | |
| | | *For Class 54 Rating, Add* | *1,978.74* | |
| | | *For Class 55 Rating, Add* | *2,949.62* | |
| | | *For Class 56 Rating, Add* | *3,907.41* | |
| 40 05 19 00-3456 | EA | 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,981.12 | 848.72 |
| | | *For Class 52 Rating, Deduct* | *-1,506.47* | |
| | | *For Class 54 Rating, Add* | *2,069.71* | |
| | | *For Class 55 Rating, Add* | *3,084.89* | |
| | | *For Class 56 Rating, Add* | *4,086.37* | |
| 40 05 19 00-3457 | EA | 24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,591.43 | 851.47 |
| | | *For Class 52 Rating, Deduct* | *-1,573.15* | |
| | | *For Class 54 Rating, Add* | *2,160.68* | |
| | | *For Class 55 Rating, Add* | *3,220.16* | |
| | | *For Class 56 Rating, Add* | *4,265.33* | |
| 40 05 19 00-3458 | EA | 24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,201.74 | 854.23 |
| | | *For Class 52 Rating, Deduct* | *-1,639.82* | |
| | | *For Class 54 Rating, Add* | *2,251.65* | |
| | | *For Class 55 Rating, Add* | *3,355.42* | |
| | | *For Class 56 Rating, Add* | *4,444.29* | |
| 40 05 19 00-3459 | EA | 24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,812.06 | 856.99 |
| | | *For Class 52 Rating, Deduct* | *-1,706.49* | |
| | | *For Class 54 Rating, Add* | *2,342.62* | |
| | | *For Class 55 Rating, Add* | *3,490.69* | |
| | | *For Class 56 Rating, Add* | *4,623.25* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3460 | EA | 24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,422.36 | 859.75 |
| | | *For Class 52 Rating, Deduct* | *-1,773.17* | |
| | | *For Class 54 Rating, Add* | *2,433.59* | |
| | | *For Class 55 Rating, Add* | *3,625.96* | |
| | | *For Class 56 Rating, Add* | *4,802.21* | |
| 40 05 19 00-3461 | EA | 24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,032.66 | 862.49 |
| | | *For Class 52 Rating, Deduct* | *-1,839.84* | |
| | | *For Class 54 Rating, Add* | *2,524.56* | |
| | | *For Class 55 Rating, Add* | *3,761.23* | |
| | | *For Class 56 Rating, Add* | *4,981.17* | |
| 40 05 19 00-3462 | EA | 24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,642.98 | 865.25 |
| | | *For Class 52 Rating, Deduct* | *-1,906.52* | |
| | | *For Class 54 Rating, Add* | *2,615.53* | |
| | | *For Class 55 Rating, Add* | *3,896.50* | |
| | | *For Class 56 Rating, Add* | *5,160.13* | |
| 40 05 19 00-3463 | EA | 24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,253.29 | 868.01 |
| | | *For Class 52 Rating, Deduct* | *-1,973.19* | |
| | | *For Class 54 Rating, Add* | *2,706.50* | |
| | | *For Class 55 Rating, Add* | *4,031.76* | |
| | | *For Class 56 Rating, Add* | *5,339.09* | |
| 40 05 19 00-3464 | EA | 24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,863.59 | 870.77 |
| | | *For Class 52 Rating, Deduct* | *-2,039.87* | |
| | | *For Class 54 Rating, Add* | *2,797.47* | |
| | | *For Class 55 Rating, Add* | *4,167.03* | |
| | | *For Class 56 Rating, Add* | *5,518.05* | |
| 40 05 19 00-3465 | EA | 24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,473.90 | 873.52 |
| | | *For Class 52 Rating, Deduct* | *-2,106.54* | |
| | | *For Class 54 Rating, Add* | *2,888.44* | |
| | | *For Class 55 Rating, Add* | *4,302.30* | |
| | | *For Class 56 Rating, Add* | *5,697.01* | |
| 40 05 19 00-3466 | EA | 24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,084.21 | 876.28 |
| | | *For Class 52 Rating, Deduct* | *-2,173.22* | |
| | | *For Class 54 Rating, Add* | *2,979.41* | |
| | | *For Class 55 Rating, Add* | *4,437.57* | |
| | | *For Class 56 Rating, Add* | *5,875.97* | |
| 40 05 19 00-3467 | EA | 24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,694.52 | 879.04 |
| | | *For Class 52 Rating, Deduct* | *-2,239.89* | |
| | | *For Class 54 Rating, Add* | *3,070.38* | |
| | | *For Class 55 Rating, Add* | *4,572.84* | |
| | | *For Class 56 Rating, Add* | *6,054.93* | |
| 40 05 19 00-3468 | EA | 24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,304.83 | 881.78 |
| | | *For Class 52 Rating, Deduct* | *-2,306.57* | |
| | | *For Class 54 Rating, Add* | *3,161.35* | |
| | | *For Class 55 Rating, Add* | *4,708.11* | |
| | | *For Class 56 Rating, Add* | *6,233.89* | |
| 40 05 19 00-3469 | EA | 24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,986.11 | 931.38 |
| | | *For Class 52 Rating, Deduct* | *-2,373.24* | |
| | | *For Class 54 Rating, Add* | *3,253.17* | |
| | | *For Class 55 Rating, Add* | *4,845.08* | |
| | | *For Class 56 Rating, Add* | *6,415.40* | |
| 40 05 19 00-3470 | EA | 24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,596.41 | 934.14 |
| | | *For Class 52 Rating, Deduct* | *-2,439.92* | |
| | | *For Class 54 Rating, Add* | *3,344.14* | |
| | | *For Class 55 Rating, Add* | *4,980.34* | |
| | | *For Class 56 Rating, Add* | *6,594.36* | |
| 40 05 19 00-3471 | EA | 24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,206.74 | 936.90 |
| | | *For Class 52 Rating, Deduct* | *-2,506.59* | |
| | | *For Class 54 Rating, Add* | *3,435.11* | |
| | | *For Class 55 Rating, Add* | *5,115.61* | |
| | | *For Class 56 Rating, Add* | *6,773.32* | |
| 40 05 19 00-3472 | EA | 24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,817.04 | 939.66 |
| | | *For Class 52 Rating, Deduct* | *-2,573.27* | |
| | | *For Class 54 Rating, Add* | *3,526.08* | |
| | | *For Class 55 Rating, Add* | *5,250.88* | |
| | | *For Class 56 Rating, Add* | *6,952.28* | |
| 40 05 19 00-3473 | EA | 24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,427.34 | 942.41 |
| | | *For Class 52 Rating, Deduct* | *-2,639.94* | |
| | | *For Class 54 Rating, Add* | *3,617.05* | |
| | | *For Class 55 Rating, Add* | *5,386.15* | |
| | | *For Class 56 Rating, Add* | *7,131.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3474 | EA | 24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,896.77 | 945.17 |
| | | *For Class 52 Rating, Deduct* | *-3,021.12* | |
| | | *For Class 54 Rating, Add* | *4,136.89* | |
| | | *For Class 55 Rating, Add* | *6,159.00* | |
| | | *For Class 56 Rating, Add* | *8,153.64* | |
| 40 05 19 00-3475 | EA | 24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 26,647.97 | 947.93 |
| | | *For Class 52 Rating, Deduct* | *-2,773.29* | |
| | | *For Class 54 Rating, Add* | *3,798.99* | |
| | | *For Class 55 Rating, Add* | *5,656.68* | |
| | | *For Class 56 Rating, Add* | *7,489.16* | |
| 40 05 19 00-3476 | EA | 24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,258.27 | 950.67 |
| | | *For Class 52 Rating, Deduct* | *-2,839.96* | |
| | | *For Class 54 Rating, Add* | *3,889.96* | |
| | | *For Class 55 Rating, Add* | *5,791.95* | |
| | | *For Class 56 Rating, Add* | *7,668.12* | |
| 40 05 19 00-3477 | EA | 24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,868.58 | 953.43 |
| | | *For Class 52 Rating, Deduct* | *-2,906.64* | |
| | | *For Class 54 Rating, Add* | *3,980.93* | |
| | | *For Class 55 Rating, Add* | *5,927.22* | |
| | | *For Class 56 Rating, Add* | *7,847.08* | |

## 40 05 19 00-3478 30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3479 | EA | 30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 8,850.80 | 1,135.30 |
| | | *For Class 52 Rating, Deduct* | *-784.37* | |
| | | *For Class 54 Rating, Add* | *1,090.24* | |
| | | *For Class 55 Rating, Add* | *1,631.42* | |
| | | *For Class 56 Rating, Add* | *2,165.47* | |
| 40 05 19 00-3480 | EA | 30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 9,724.15 | 1,138.05 |
| | | *For Class 52 Rating, Deduct* | *-879.98* | |
| | | *For Class 54 Rating, Add* | *1,220.66* | |
| | | *For Class 55 Rating, Add* | *1,825.34* | |
| | | *For Class 56 Rating, Add* | *2,422.02* | |
| 40 05 19 00-3481 | EA | 30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 10,597.49 | 1,140.81 |
| | | *For Class 52 Rating, Deduct* | *-975.59* | |
| | | *For Class 54 Rating, Add* | *1,351.09* | |
| | | *For Class 55 Rating, Add* | *2,019.27* | |
| | | *For Class 56 Rating, Add* | *2,678.58* | |
| 40 05 19 00-3482 | EA | 30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,470.83 | 1,143.57 |
| | | *For Class 52 Rating, Deduct* | *-1,071.20* | |
| | | *For Class 54 Rating, Add* | *1,481.52* | |
| | | *For Class 55 Rating, Add* | *2,213.19* | |
| | | *For Class 56 Rating, Add* | *2,935.13* | |
| 40 05 19 00-3483 | EA | 30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,344.20 | 1,146.33 |
| | | *For Class 52 Rating, Deduct* | *-1,166.81* | |
| | | *For Class 54 Rating, Add* | *1,611.94* | |
| | | *For Class 55 Rating, Add* | *2,407.12* | |
| | | *For Class 56 Rating, Add* | *3,191.69* | |
| 40 05 19 00-3484 | EA | 30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,217.54 | 1,149.08 |
| | | *For Class 52 Rating, Deduct* | *-1,262.42* | |
| | | *For Class 54 Rating, Add* | *1,742.37* | |
| | | *For Class 55 Rating, Add* | *2,601.05* | |
| | | *For Class 56 Rating, Add* | *3,448.25* | |
| 40 05 19 00-3485 | EA | 30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,090.88 | 1,151.83 |
| | | *For Class 52 Rating, Deduct* | *-1,358.02* | |
| | | *For Class 54 Rating, Add* | *1,872.79* | |
| | | *For Class 55 Rating, Add* | *2,794.97* | |
| | | *For Class 56 Rating, Add* | *3,704.80* | |
| 40 05 19 00-3486 | EA | 30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,964.22 | 1,154.59 |
| | | *For Class 52 Rating, Deduct* | *-1,453.63* | |
| | | *For Class 54 Rating, Add* | *2,003.22* | |
| | | *For Class 55 Rating, Add* | *2,988.90* | |
| | | *For Class 56 Rating, Add* | *3,961.36* | |
| 40 05 19 00-3487 | EA | 30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,837.59 | 1,157.34 |
| | | *For Class 52 Rating, Deduct* | *-1,549.24* | |
| | | *For Class 54 Rating, Add* | *2,133.65* | |
| | | *For Class 55 Rating, Add* | *3,182.82* | |
| | | *For Class 56 Rating, Add* | *4,217.92* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3488 | EA | 30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,710.93 | 1,160.10 |
| | | *For Class 52 Rating, Deduct* | *-1,644.85* | |
| | | *For Class 54 Rating, Add* | *2,264.07* | |
| | | *For Class 55 Rating, Add* | *3,376.75* | |
| | | *For Class 56 Rating, Add* | *4,474.47* | |
| 40 05 19 00-3489 | EA | 30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 17,584.27 | 1,162.86 |
| | | *For Class 52 Rating, Deduct* | *-1,740.46* | |
| | | *For Class 54 Rating, Add* | *2,394.50* | |
| | | *For Class 55 Rating, Add* | *3,570.67* | |
| | | *For Class 56 Rating, Add* | *4,731.03* | |
| 40 05 19 00-3490 | EA | 30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,457.61 | 1,165.62 |
| | | *For Class 52 Rating, Deduct* | *-1,836.07* | |
| | | *For Class 54 Rating, Add* | *2,524.92* | |
| | | *For Class 55 Rating, Add* | *3,764.60* | |
| | | *For Class 56 Rating, Add* | *4,987.58* | |
| 40 05 19 00-3491 | EA | 30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,330.98 | 1,168.37 |
| | | *For Class 52 Rating, Deduct* | *-1,931.68* | |
| | | *For Class 54 Rating, Add* | *2,655.35* | |
| | | *For Class 55 Rating, Add* | *3,958.53* | |
| | | *For Class 56 Rating, Add* | *5,244.14* | |
| 40 05 19 00-3492 | EA | 30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,204.32 | 1,171.13 |
| | | *For Class 52 Rating, Deduct* | *-2,027.29* | |
| | | *For Class 54 Rating, Add* | *2,785.78* | |
| | | *For Class 55 Rating, Add* | *4,152.45* | |
| | | *For Class 56 Rating, Add* | *5,500.70* | |
| 40 05 19 00-3493 | EA | 30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,077.66 | 1,173.88 |
| | | *For Class 52 Rating, Deduct* | *-2,122.90* | |
| | | *For Class 54 Rating, Add* | *2,916.20* | |
| | | *For Class 55 Rating, Add* | *4,346.38* | |
| | | *For Class 56 Rating, Add* | *5,757.25* | |
| 40 05 19 00-3494 | EA | 30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,951.01 | 1,176.63 |
| | | *For Class 52 Rating, Deduct* | *-2,218.51* | |
| | | *For Class 54 Rating, Add* | *3,046.63* | |
| | | *For Class 55 Rating, Add* | *4,540.30* | |
| | | *For Class 56 Rating, Add* | *6,013.81* | |
| 40 05 19 00-3495 | EA | 30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,824.36 | 1,179.39 |
| | | *For Class 52 Rating, Deduct* | *-2,314.11* | |
| | | *For Class 54 Rating, Add* | *3,177.05* | |
| | | *For Class 55 Rating, Add* | *4,734.23* | |
| | | *For Class 56 Rating, Add* | *6,270.36* | |
| 40 05 19 00-3496 | EA | 30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,697.71 | 1,182.15 |
| | | *For Class 52 Rating, Deduct* | *-2,409.72* | |
| | | *For Class 54 Rating, Add* | *3,307.48* | |
| | | *For Class 55 Rating, Add* | *4,928.15* | |
| | | *For Class 56 Rating, Add* | *6,526.92* | |
| 40 05 19 00-3497 | EA | 30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,571.05 | 1,184.91 |
| | | *For Class 52 Rating, Deduct* | *-2,505.33* | |
| | | *For Class 54 Rating, Add* | *3,437.91* | |
| | | *For Class 55 Rating, Add* | *5,122.08* | |
| | | *For Class 56 Rating, Add* | *6,783.48* | |
| 40 05 19 00-3498 | EA | 30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,444.40 | 1,187.65 |
| | | *For Class 52 Rating, Deduct* | *-2,600.94* | |
| | | *For Class 54 Rating, Add* | *3,568.33* | |
| | | *For Class 55 Rating, Add* | *5,316.00* | |
| | | *For Class 56 Rating, Add* | *7,040.03* | |
| 40 05 19 00-3499 | EA | 30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 26,317.74 | 1,190.41 |
| | | *For Class 52 Rating, Deduct* | *-2,696.55* | |
| | | *For Class 54 Rating, Add* | *3,698.76* | |
| | | *For Class 55 Rating, Add* | *5,509.93* | |
| | | *For Class 56 Rating, Add* | *7,296.59* | |
| 40 05 19 00-3500 | EA | 30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,191.10 | 1,193.17 |
| | | *For Class 52 Rating, Deduct* | *-2,792.16* | |
| | | *For Class 54 Rating, Add* | *3,829.18* | |
| | | *For Class 55 Rating, Add* | *5,703.86* | |
| | | *For Class 56 Rating, Add* | *7,553.15* | |
| 40 05 19 00-3501 | EA | 30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,064.45 | 1,195.91 |
| | | *For Class 52 Rating, Deduct* | *-2,887.77* | |
| | | *For Class 54 Rating, Add* | *3,959.61* | |
| | | *For Class 55 Rating, Add* | *5,897.78* | |
| | | *For Class 56 Rating, Add* | *7,809.70* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3502 | EA | 30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,937.79 | 1,198.67 |
| | | *For Class 52 Rating, Deduct* | *-2,983.38* | |
| | | *For Class 54 Rating, Add* | *4,090.04* | |
| | | *For Class 55 Rating, Add* | *6,091.71* | |
| | | *For Class 56 Rating, Add* | *8,066.26* | |
| 40 05 19 00-3503 | EA | 30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 29,811.13 | 1,201.43 |
| | | *For Class 52 Rating, Deduct* | *-3,078.99* | |
| | | *For Class 54 Rating, Add* | *4,220.46* | |
| | | *For Class 55 Rating, Add* | *6,285.63* | |
| | | *For Class 56 Rating, Add* | *8,322.81* | |
| 40 05 19 00-3504 | EA | 30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 30,684.49 | 1,204.19 |
| | | *For Class 52 Rating, Deduct* | *-3,174.60* | |
| | | *For Class 54 Rating, Add* | *4,350.89* | |
| | | *For Class 55 Rating, Add* | *6,479.56* | |
| | | *For Class 56 Rating, Add* | *8,579.37* | |
| 40 05 19 00-3505 | EA | 30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 31,557.84 | 1,206.94 |
| | | *For Class 52 Rating, Deduct* | *-3,270.20* | |
| | | *For Class 54 Rating, Add* | *4,481.31* | |
| | | *For Class 55 Rating, Add* | *6,673.49* | |
| | | *For Class 56 Rating, Add* | *8,835.93* | |
| 40 05 19 00-3506 | EA | 30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 32,431.18 | 1,209.70 |
| | | *For Class 52 Rating, Deduct* | *-3,365.81* | |
| | | *For Class 54 Rating, Add* | *4,611.74* | |
| | | *For Class 55 Rating, Add* | *6,867.41* | |
| | | *For Class 56 Rating, Add* | *9,092.48* | |
| 40 05 19 00-3507 | EA | 30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 33,304.52 | 1,212.46 |
| | | *For Class 52 Rating, Deduct* | *-3,461.42* | |
| | | *For Class 54 Rating, Add* | *4,742.17* | |
| | | *For Class 55 Rating, Add* | *7,061.34* | |
| | | *For Class 56 Rating, Add* | *9,349.04* | |
| 40 05 19 00-3508 | EA | 30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 34,177.88 | 1,215.22 |
| | | *For Class 52 Rating, Deduct* | *-3,557.03* | |
| | | *For Class 54 Rating, Add* | *4,872.59* | |
| | | *For Class 55 Rating, Add* | *7,255.26* | |
| | | *For Class 56 Rating, Add* | *9,605.60* | |
| 40 05 19 00-3509 | EA | 30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 35,051.23 | 1,217.96 |
| | | *For Class 52 Rating, Deduct* | *-3,652.64* | |
| | | *For Class 54 Rating, Add* | *5,003.02* | |
| | | *For Class 55 Rating, Add* | *7,449.19* | |
| | | *For Class 56 Rating, Add* | *9,862.15* | |
| 40 05 19 00-3510 | EA | 30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 35,924.57 | 1,220.72 |
| | | *For Class 52 Rating, Deduct* | *-3,748.25* | |
| | | *For Class 54 Rating, Add* | *5,133.44* | |
| | | *For Class 55 Rating, Add* | *7,643.11* | |
| | | *For Class 56 Rating, Add* | *10,118.71* | |
| 40 05 19 00-3511 | EA | 30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 36,797.91 | 1,223.48 |
| | | *For Class 52 Rating, Deduct* | *-3,843.86* | |
| | | *For Class 54 Rating, Add* | *5,263.87* | |
| | | *For Class 55 Rating, Add* | *7,837.04* | |
| | | *For Class 56 Rating, Add* | *10,375.26* | |
| 40 05 19 00-3512 | EA | 30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 37,671.28 | 1,226.23 |
| | | *For Class 52 Rating, Deduct* | *-3,939.47* | |
| | | *For Class 54 Rating, Add* | *5,394.30* | |
| | | *For Class 55 Rating, Add* | *8,030.97* | |
| | | *For Class 56 Rating, Add* | *10,631.82* | |
| 40 05 19 00-3513 | EA | 30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 38,544.62 | 1,228.99 |
| | | *For Class 52 Rating, Deduct* | *-4,035.08* | |
| | | *For Class 54 Rating, Add* | *5,524.72* | |
| | | *For Class 55 Rating, Add* | *8,224.89* | |
| | | *For Class 56 Rating, Add* | *10,888.38* | |

## 40 05 19 00-3514 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3515 | EA | 36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 11,059.85 | 1,438.42 |
| | | *For Class 52 Rating, Deduct* | *-976.85* | |
| | | *For Class 54 Rating, Add* | *1,358.22* | |
| | | *For Class 55 Rating, Add* | *2,032.64* | |
| | | *For Class 56 Rating, Add* | *2,698.19* | |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3516 | EA | 36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 12,230.54 | 1,441.18 |
| | | *For Class 52 Rating, Deduct* | *-1,105.16* | |
| | | *For Class 54 Rating, Add* | *1,533.25* | |
| | | *For Class 55 Rating, Add* | *2,292.88* | |
| | | *For Class 56 Rating, Add* | *3,042.46* | |
| 40 05 19 00-3517 | EA | 36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 13,401.23 | 1,443.92 |
| | | *For Class 52 Rating, Deduct* | *-1,233.48* | |
| | | *For Class 54 Rating, Add* | *1,708.27* | |
| | | *For Class 55 Rating, Add* | *2,553.11* | |
| | | *For Class 56 Rating, Add* | *3,386.73* | |
| 40 05 19 00-3518 | EA | 36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,571.94 | 1,446.68 |
| | | *For Class 52 Rating, Deduct* | *-1,361.80* | |
| | | *For Class 54 Rating, Add* | *1,883.30* | |
| | | *For Class 55 Rating, Add* | *2,813.34* | |
| | | *For Class 56 Rating, Add* | *3,731.01* | |
| 40 05 19 00-3519 | EA | 36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 15,742.63 | 1,449.44 |
| | | *For Class 52 Rating, Deduct* | *-1,490.12* | |
| | | *For Class 54 Rating, Add* | *2,058.33* | |
| | | *For Class 55 Rating, Add* | *3,073.58* | |
| | | *For Class 56 Rating, Add* | *4,075.28* | |
| 40 05 19 00-3520 | EA | 36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,913.32 | 1,452.19 |
| | | *For Class 52 Rating, Deduct* | *-1,618.43* | |
| | | *For Class 54 Rating, Add* | *2,233.36* | |
| | | *For Class 55 Rating, Add* | *3,333.81* | |
| | | *For Class 56 Rating, Add* | *4,419.55* | |
| 40 05 19 00-3521 | EA | 36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,084.01 | 1,454.95 |
| | | *For Class 52 Rating, Deduct* | *-1,746.75* | |
| | | *For Class 54 Rating, Add* | *2,408.39* | |
| | | *For Class 55 Rating, Add* | *3,594.05* | |
| | | *For Class 56 Rating, Add* | *4,763.83* | |
| 40 05 19 00-3522 | EA | 36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,254.72 | 1,457.71 |
| | | *For Class 52 Rating, Deduct* | *-1,875.07* | |
| | | *For Class 54 Rating, Add* | *2,583.41* | |
| | | *For Class 55 Rating, Add* | *3,854.28* | |
| | | *For Class 56 Rating, Add* | *5,108.10* | |
| 40 05 19 00-3523 | EA | 36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 20,425.41 | 1,460.47 |
| | | *For Class 52 Rating, Deduct* | *-2,003.38* | |
| | | *For Class 54 Rating, Add* | *2,758.44* | |
| | | *For Class 55 Rating, Add* | *4,114.52* | |
| | | *For Class 56 Rating, Add* | *5,452.38* | |
| 40 05 19 00-3524 | EA | 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,596.11 | 1,463.21 |
| | | *For Class 52 Rating, Deduct* | *-2,131.70* | |
| | | *For Class 54 Rating, Add* | *2,933.47* | |
| | | *For Class 55 Rating, Add* | *4,374.75* | |
| | | *For Class 56 Rating, Add* | *5,796.65* | |
| 40 05 19 00-3525 | EA | 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 22,766.80 | 1,465.97 |
| | | *For Class 52 Rating, Deduct* | *-2,260.02* | |
| | | *For Class 54 Rating, Add* | *3,108.50* | |
| | | *For Class 55 Rating, Add* | *4,634.99* | |
| | | *For Class 56 Rating, Add* | *6,140.93* | |
| 40 05 19 00-3526 | EA | 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,937.50 | 1,468.73 |
| | | *For Class 52 Rating, Deduct* | *-2,388.34* | |
| | | *For Class 54 Rating, Add* | *3,283.53* | |
| | | *For Class 55 Rating, Add* | *4,895.22* | |
| | | *For Class 56 Rating, Add* | *6,485.20* | |
| 40 05 19 00-3527 | EA | 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 25,108.20 | 1,471.48 |
| | | *For Class 52 Rating, Deduct* | *-2,516.65* | |
| | | *For Class 54 Rating, Add* | *3,458.56* | |
| | | *For Class 55 Rating, Add* | *5,155.45* | |
| | | *For Class 56 Rating, Add* | *6,829.47* | |
| 40 05 19 00-3528 | EA | 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 26,278.89 | 1,474.24 |
| | | *For Class 52 Rating, Deduct* | *-2,644.97* | |
| | | *For Class 54 Rating, Add* | *3,633.58* | |
| | | *For Class 55 Rating, Add* | *5,415.69* | |
| | | *For Class 56 Rating, Add* | *7,173.75* | |
| 40 05 19 00-3529 | EA | 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 27,449.59 | 1,476.99 |
| | | *For Class 52 Rating, Deduct* | *-2,773.29* | |
| | | *For Class 54 Rating, Add* | *3,808.61* | |
| | | *For Class 55 Rating, Add* | *5,675.92* | |
| | | *For Class 56 Rating, Add* | *7,518.02* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3530 | EA | 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,620.28 | 1,479.75 |
| | | *For Class 52 Rating, Deduct* | *-2,901.61* | |
| | | *For Class 54 Rating, Add* | *3,983.64* | |
| | | *For Class 55 Rating, Add* | *5,936.16* | |
| | | *For Class 56 Rating, Add* | *7,862.29* | |
| 40 05 19 00-3531 | EA | 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 29,790.98 | 1,482.50 |
| | | *For Class 52 Rating, Deduct* | *-3,029.92* | |
| | | *For Class 54 Rating, Add* | *4,158.67* | |
| | | *For Class 55 Rating, Add* | *6,196.39* | |
| | | *For Class 56 Rating, Add* | *8,206.57* | |
| 40 05 19 00-3532 | EA | 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 30,961.67 | 1,485.25 |
| | | *For Class 52 Rating, Deduct* | *-3,158.24* | |
| | | *For Class 54 Rating, Add* | *4,333.70* | |
| | | *For Class 55 Rating, Add* | *6,456.62* | |
| | | *For Class 56 Rating, Add* | *8,550.84* | |
| 40 05 19 00-3533 | EA | 36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 32,132.37 | 1,488.01 |
| | | *For Class 52 Rating, Deduct* | *-3,286.56* | |
| | | *For Class 54 Rating, Add* | *4,508.72* | |
| | | *For Class 55 Rating, Add* | *6,716.86* | |
| | | *For Class 56 Rating, Add* | *8,895.12* | |
| 40 05 19 00-3534 | EA | 36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 33,303.06 | 1,490.77 |
| | | *For Class 52 Rating, Deduct* | *-3,414.88* | |
| | | *For Class 54 Rating, Add* | *4,683.75* | |
| | | *For Class 55 Rating, Add* | *6,977.09* | |
| | | *For Class 56 Rating, Add* | *9,239.39* | |
| 40 05 19 00-3535 | EA | 36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 34,473.77 | 1,493.52 |
| | | *For Class 52 Rating, Deduct* | *-3,543.19* | |
| | | *For Class 54 Rating, Add* | *4,858.78* | |
| | | *For Class 55 Rating, Add* | *7,237.33* | |
| | | *For Class 56 Rating, Add* | *9,583.67* | |
| 40 05 19 00-3536 | EA | 36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 35,644.47 | 1,496.28 |
| | | *For Class 52 Rating, Deduct* | *-3,671.51* | |
| | | *For Class 54 Rating, Add* | *5,033.81* | |
| | | *For Class 55 Rating, Add* | *7,497.56* | |
| | | *For Class 56 Rating, Add* | *9,927.94* | |
| 40 05 19 00-3537 | EA | 36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 36,815.16 | 1,499.04 |
| | | *For Class 52 Rating, Deduct* | *-3,799.83* | |
| | | *For Class 54 Rating, Add* | *5,208.84* | |
| | | *For Class 55 Rating, Add* | *7,757.80* | |
| | | *For Class 56 Rating, Add* | *10,272.21* | |
| 40 05 19 00-3538 | EA | 36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 37,985.85 | 1,501.79 |
| | | *For Class 52 Rating, Deduct* | *-3,928.15* | |
| | | *For Class 54 Rating, Add* | *5,383.87* | |
| | | *For Class 55 Rating, Add* | *8,018.03* | |
| | | *For Class 56 Rating, Add* | *10,616.49* | |
| 40 05 19 00-3539 | EA | 36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 39,156.55 | 1,504.55 |
| | | *For Class 52 Rating, Deduct* | *-4,056.46* | |
| | | *For Class 54 Rating, Add* | *5,558.89* | |
| | | *For Class 55 Rating, Add* | *8,278.27* | |
| | | *For Class 56 Rating, Add* | *10,960.76* | |
| 40 05 19 00-3540 | EA | 36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 40,327.25 | 1,507.31 |
| | | *For Class 52 Rating, Deduct* | *-4,184.78* | |
| | | *For Class 54 Rating, Add* | *5,733.92* | |
| | | *For Class 55 Rating, Add* | *8,538.50* | |
| | | *For Class 56 Rating, Add* | *11,305.03* | |
| 40 05 19 00-3541 | EA | 36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 41,497.94 | 1,510.06 |
| | | *For Class 52 Rating, Deduct* | *-4,313.10* | |
| | | *For Class 54 Rating, Add* | *5,908.95* | |
| | | *For Class 55 Rating, Add* | *8,798.73* | |
| | | *For Class 56 Rating, Add* | *11,649.31* | |
| 40 05 19 00-3542 | EA | 36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 42,668.63 | 1,512.81 |
| | | *For Class 52 Rating, Deduct* | *-4,441.41* | |
| | | *For Class 54 Rating, Add* | *6,083.98* | |
| | | *For Class 55 Rating, Add* | *9,058.97* | |
| | | *For Class 56 Rating, Add* | *11,993.58* | |
| 40 05 19 00-3543 | EA | 36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 43,839.32 | 1,515.57 |
| | | *For Class 52 Rating, Deduct* | *-4,569.73* | |
| | | *For Class 54 Rating, Add* | *6,259.01* | |
| | | *For Class 55 Rating, Add* | *9,319.20* | |
| | | *For Class 56 Rating, Add* | *12,337.86* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3544 | EA | 36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 45,010.03 | 1,518.33 |
| | | *For Class 52 Rating, Deduct* | *-4,698.05* | |
| | | *For Class 54 Rating, Add* | *6,434.04* | |
| | | *For Class 55 Rating, Add* | *9,579.44* | |
| | | *For Class 56 Rating, Add* | *12,682.13* | |
| 40 05 19 00-3545 | EA | 36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 46,180.73 | 1,521.08 |
| | | *For Class 52 Rating, Deduct* | *-4,826.37* | |
| | | *For Class 54 Rating, Add* | *6,609.07* | |
| | | *For Class 55 Rating, Add* | *9,839.67* | |
| | | *For Class 56 Rating, Add* | *13,026.41* | |
| 40 05 19 00-3546 | EA | 36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 47,351.42 | 1,523.84 |
| | | *For Class 52 Rating, Deduct* | *-4,954.68* | |
| | | *For Class 54 Rating, Add* | *6,784.09* | |
| | | *For Class 55 Rating, Add* | *10,099.91* | |
| | | *For Class 56 Rating, Add* | *13,370.68* | |
| 40 05 19 00-3547 | EA | 36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 48,522.12 | 1,526.60 |
| | | *For Class 52 Rating, Deduct* | *-5,083.00* | |
| | | *For Class 54 Rating, Add* | *6,959.12* | |
| | | *For Class 55 Rating, Add* | *10,360.14* | |
| | | *For Class 56 Rating, Add* | *13,714.95* | |
| 40 05 19 00-3548 | EA | 36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 49,692.82 | 1,529.36 |
| | | *For Class 52 Rating, Deduct* | *-5,211.32* | |
| | | *For Class 54 Rating, Add* | *7,134.15* | |
| | | *For Class 55 Rating, Add* | *10,620.38* | |
| | | *For Class 56 Rating, Add* | *14,059.23* | |
| 40 05 19 00-3549 | EA | 36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 50,863.51 | 1,532.10 |
| | | *For Class 52 Rating, Deduct* | *-5,339.64* | |
| | | *For Class 54 Rating, Add* | *7,309.18* | |
| | | *For Class 55 Rating, Add* | *10,880.61* | |
| | | *For Class 56 Rating, Add* | *14,403.50* | |

## 40 05 19 00-3550 42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3551 | EA | 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 14,652.61 | 1,813.18 |
| | | *For Class 52 Rating, Deduct* | *-1,309.59* | |
| | | *For Class 54 Rating, Add* | *1,818.77* | |
| | | *For Class 55 Rating, Add* | *2,720.83* | |
| | | *For Class 56 Rating, Add* | *3,610.99* | |
| 40 05 19 00-3552 | EA | 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 16,377.97 | 1,815.93 |
| | | *For Class 52 Rating, Deduct* | *-1,498.92* | |
| | | *For Class 54 Rating, Add* | *2,077.00* | |
| | | *For Class 55 Rating, Add* | *3,104.76* | |
| | | *For Class 56 Rating, Add* | *4,118.89* | |
| 40 05 19 00-3553 | EA | 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,089.05 | 1,818.69 |
| | | *For Class 52 Rating, Deduct* | *-1,686.68* | |
| | | *For Class 54 Rating, Add* | *2,333.09* | |
| | | *For Class 55 Rating, Add* | *3,485.50* | |
| | | *For Class 56 Rating, Add* | *4,622.57* | |
| 40 05 19 00-3554 | EA | 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 19,817.27 | 1,821.44 |
| | | *For Class 52 Rating, Deduct* | *-1,876.33* | |
| | | *For Class 54 Rating, Add* | *2,591.74* | |
| | | *For Class 55 Rating, Add* | *3,870.06* | |
| | | *For Class 56 Rating, Add* | *5,131.32* | |
| 40 05 19 00-3555 | EA | 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,534.05 | 1,824.20 |
| | | *For Class 52 Rating, Deduct* | *-2,064.71* | |
| | | *For Class 54 Rating, Add* | *2,848.69* | |
| | | *For Class 55 Rating, Add* | *4,252.07* | |
| | | *For Class 56 Rating, Add* | *5,636.69* | |
| 40 05 19 00-3556 | EA | 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,268.00 | 1,826.95 |
| | | *For Class 52 Rating, Deduct* | *-2,254.99* | |
| | | *For Class 54 Rating, Add* | *3,108.20* | |
| | | *For Class 55 Rating, Add* | *4,637.91* | |
| | | *For Class 56 Rating, Add* | *6,147.12* | |
| 40 05 19 00-3557 | EA | 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 24,984.79 | 1,829.71 |
| | | *For Class 52 Rating, Deduct* | *-2,443.38* | |
| | | *For Class 54 Rating, Add* | *3,365.14* | |
| | | *For Class 55 Rating, Add* | *5,019.92* | |
| | | *For Class 56 Rating, Add* | *6,652.49* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3558 | EA | 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 26,721.59 | 1,832.47 |
| | | *For Class 52 Rating, Deduct* | *-2,633.96* | |
| | | *For Class 54 Rating, Add* | *3,625.09* | |
| | | *For Class 55 Rating, Add* | *5,406.40* | |
| | | *For Class 56 Rating, Add* | *7,163.77* | |
| 40 05 19 00-3559 | EA | 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,441.23 | 1,835.23 |
| | | *For Class 52 Rating, Deduct* | *-2,822.67* | |
| | | *For Class 54 Rating, Add* | *3,882.46* | |
| | | *For Class 55 Rating, Add* | *5,789.05* | |
| | | *For Class 56 Rating, Add* | *7,669.98* | |
| 40 05 19 00-3560 | EA | 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 30,180.90 | 1,837.97 |
| | | *For Class 52 Rating, Deduct* | *-3,013.57* | |
| | | *For Class 54 Rating, Add* | *4,142.83* | |
| | | *For Class 55 Rating, Add* | *6,176.16* | |
| | | *For Class 56 Rating, Add* | *8,182.10* | |
| 40 05 19 00-3561 | EA | 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 31,900.54 | 1,840.73 |
| | | *For Class 52 Rating, Deduct* | *-3,202.27* | |
| | | *For Class 54 Rating, Add* | *4,400.20* | |
| | | *For Class 55 Rating, Add* | *6,558.81* | |
| | | *For Class 56 Rating, Add* | *8,688.31* | |
| 40 05 19 00-3562 | EA | 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 33,640.21 | 1,843.48 |
| | | *For Class 52 Rating, Deduct* | *-3,393.18* | |
| | | *For Class 54 Rating, Add* | *4,660.58* | |
| | | *For Class 55 Rating, Add* | *6,945.93* | |
| | | *For Class 56 Rating, Add* | *9,200.43* | |
| 40 05 19 00-3563 | EA | 42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 35,362.71 | 1,846.23 |
| | | *For Class 52 Rating, Deduct* | *-3,582.19* | |
| | | *For Class 54 Rating, Add* | *4,918.37* | |
| | | *For Class 55 Rating, Add* | *7,329.22* | |
| | | *For Class 56 Rating, Add* | *9,707.49* | |
| 40 05 19 00-3564 | EA | 42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 37,088.08 | 1,848.99 |
| | | *For Class 52 Rating, Deduct* | *-3,771.52* | |
| | | *For Class 54 Rating, Add* | *5,176.60* | |
| | | *For Class 55 Rating, Add* | *7,713.14* | |
| | | *For Class 56 Rating, Add* | *10,215.39* | |
| 40 05 19 00-3565 | EA | 42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 38,824.87 | 1,851.75 |
| | | *For Class 52 Rating, Deduct* | *-3,962.11* | |
| | | *For Class 54 Rating, Add* | *5,436.55* | |
| | | *For Class 55 Rating, Add* | *8,099.62* | |
| | | *For Class 56 Rating, Add* | *10,726.67* | |
| 40 05 19 00-3566 | EA | 42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 40,547.38 | 1,854.51 |
| | | *For Class 52 Rating, Deduct* | *-4,151.13* | |
| | | *For Class 54 Rating, Add* | *5,694.35* | |
| | | *For Class 55 Rating, Add* | *8,482.90* | |
| | | *For Class 56 Rating, Add* | *11,233.72* | |
| 40 05 19 00-3567 | EA | 42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 42,289.91 | 1,857.26 |
| | | *For Class 52 Rating, Deduct* | *-4,342.35* | |
| | | *For Class 54 Rating, Add* | *5,955.15* | |
| | | *For Class 55 Rating, Add* | *8,870.66* | |
| | | *For Class 56 Rating, Add* | *11,746.69* | |
| 40 05 19 00-3568 | EA | 42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 44,015.27 | 1,860.02 |
| | | *For Class 52 Rating, Deduct* | *-4,531.68* | |
| | | *For Class 54 Rating, Add* | *6,213.38* | |
| | | *For Class 55 Rating, Add* | *9,254.58* | |
| | | *For Class 56 Rating, Add* | *12,254.59* | |
| 40 05 19 00-3569 | EA | 42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 45,754.93 | 1,862.78 |
| | | *For Class 52 Rating, Deduct* | *-4,722.58* | |
| | | *For Class 54 Rating, Add* | *6,473.75* | |
| | | *For Class 55 Rating, Add* | *9,641.70* | |
| | | *For Class 56 Rating, Add* | *12,766.71* | |
| 40 05 19 00-3570 | EA | 42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 47,480.30 | 1,865.52 |
| | | *For Class 52 Rating, Deduct* | *-4,911.91* | |
| | | *For Class 54 Rating, Add* | *6,731.98* | |
| | | *For Class 55 Rating, Add* | *10,025.62* | |
| | | *For Class 56 Rating, Add* | *13,274.61* | |
| 40 05 19 00-3571 | EA | 42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 49,222.82 | 1,868.28 |
| | | *For Class 52 Rating, Deduct* | *-5,103.13* | |
| | | *For Class 54 Rating, Add* | *6,992.78* | |
| | | *For Class 55 Rating, Add* | *10,413.37* | |
| | | *For Class 56 Rating, Add* | *13,787.57* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3572 | EA | 42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 50,948.18 | 1,871.04 |
| | | *For Class 52 Rating, Deduct* | *-5,292.46* | |
| | | *For Class 54 Rating, Add* | *7,251.01* | |
| | | *For Class 55 Rating, Add* | *10,797.30* | |
| | | *For Class 56 Rating, Add* | *14,295.47* | |
| 40 05 19 00-3573 | EA | 42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 52,690.70 | 1,873.80 |
| | | *For Class 52 Rating, Deduct* | *-5,483.68* | |
| | | *For Class 54 Rating, Add* | *7,511.81* | |
| | | *For Class 55 Rating, Add* | *11,185.05* | |
| | | *For Class 56 Rating, Add* | *14,808.43* | |
| 40 05 19 00-3574 | EA | 42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 54,413.22 | 1,876.55 |
| | | *For Class 52 Rating, Deduct* | *-5,672.69* | |
| | | *For Class 54 Rating, Add* | *7,769.61* | |
| | | *For Class 55 Rating, Add* | *11,568.34* | |
| | | *For Class 56 Rating, Add* | *15,315.49* | |
| 40 05 19 00-3575 | EA | 42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 56,158.59 | 1,879.31 |
| | | *For Class 52 Rating, Deduct* | *-5,864.23* | |
| | | *For Class 54 Rating, Add* | *8,030.84* | |
| | | *For Class 55 Rating, Add* | *11,956.73* | |
| | | *For Class 56 Rating, Add* | *15,829.30* | |
| 40 05 19 00-3576 | EA | 42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 57,883.95 | 1,882.07 |
| | | *For Class 52 Rating, Deduct* | *-6,053.56* | |
| | | *For Class 54 Rating, Add* | *8,289.07* | |
| | | *For Class 55 Rating, Add* | *12,340.65* | |
| | | *For Class 56 Rating, Add* | *16,337.20* | |
| 40 05 19 00-3577 | EA | 42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 59,623.61 | 1,884.82 |
| | | *For Class 52 Rating, Deduct* | *-6,244.46* | |
| | | *For Class 54 Rating, Add* | *8,549.44* | |
| | | *For Class 55 Rating, Add* | *12,727.76* | |
| | | *For Class 56 Rating, Add* | *16,849.32* | |
| 40 05 19 00-3578 | EA | 42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 61,351.85 | 1,887.57 |
| | | *For Class 52 Rating, Deduct* | *-6,434.11* | |
| | | *For Class 54 Rating, Add* | *8,808.10* | |
| | | *For Class 55 Rating, Add* | *13,112.33* | |
| | | *For Class 56 Rating, Add* | *17,358.06* | |
| 40 05 19 00-3579 | EA | 42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 62,739.83 | 1,890.33 |
| | | *For Class 52 Rating, Deduct* | *-6,586.33* | |
| | | *For Class 54 Rating, Add* | *9,015.72* | |
| | | *For Class 55 Rating, Add* | *13,421.02* | |
| | | *For Class 56 Rating, Add* | *17,766.44* | |
| 40 05 19 00-3580 | EA | 42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 64,819.72 | 1,893.09 |
| | | *For Class 52 Rating, Deduct* | *-6,814.66* | |
| | | *For Class 54 Rating, Add* | *9,327.13* | |
| | | *For Class 55 Rating, Add* | *13,884.00* | |
| | | *For Class 56 Rating, Add* | *18,378.93* | |
| 40 05 19 00-3581 | EA | 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 66,542.22 | 1,895.84 |
| | | *For Class 52 Rating, Deduct* | *-7,003.67* | |
| | | *For Class 54 Rating, Add* | *9,584.93* | |
| | | *For Class 55 Rating, Add* | *14,267.29* | |
| | | *For Class 56 Rating, Add* | *18,885.98* | |
| 40 05 19 00-3582 | EA | 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 68,284.75 | 1,898.60 |
| | | *For Class 52 Rating, Deduct* | *-7,194.89* | |
| | | *For Class 54 Rating, Add* | *9,845.73* | |
| | | *For Class 55 Rating, Add* | *14,655.04* | |
| | | *For Class 56 Rating, Add* | *19,398.95* | |
| 40 05 19 00-3583 | EA | 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 70,010.12 | 1,901.36 |
| | | *For Class 52 Rating, Deduct* | *-7,384.22* | |
| | | *For Class 54 Rating, Add* | *10,103.96* | |
| | | *For Class 55 Rating, Add* | *15,038.97* | |
| | | *For Class 56 Rating, Add* | *19,906.85* | |
| 40 05 19 00-3584 | EA | 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 71,755.49 | 1,904.12 |
| | | *For Class 52 Rating, Deduct* | *-7,575.75* | |
| | | *For Class 54 Rating, Add* | *10,365.19* | |
| | | *For Class 55 Rating, Add* | *15,427.36* | |
| | | *For Class 56 Rating, Add* | *20,420.65* | |
| 40 05 19 00-3585 | EA | 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 73,478.00 | 1,906.86 |
| | | *For Class 52 Rating, Deduct* | *-7,764.77* | |
| | | *For Class 54 Rating, Add* | *10,622.99* | |
| | | *For Class 55 Rating, Add* | *15,810.65* | |
| | | *For Class 56 Rating, Add* | *20,927.71* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3586 | | 48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)* | | |
| 40 05 19 00-3587 | EA | 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 18,934.96 | 2,278.86 |
| | | *For Class 52 Rating, Deduct* | *-1,703.03* | |
| | | *For Class 54 Rating, Add* | *2,363.75* | |
| | | *For Class 55 Rating, Add* | *3,535.38* | |
| | | *For Class 56 Rating, Add* | *4,691.53* | |
| 40 05 19 00-3588 | EA | 48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 21,415.13 | 2,281.62 |
| | | *For Class 52 Rating, Deduct* | *-1,975.39* | |
| | | *For Class 54 Rating, Add* | *2,735.20* | |
| | | *For Class 55 Rating, Add* | *4,087.63* | |
| | | *For Class 56 Rating, Add* | *5,422.10* | |
| 40 05 19 00-3589 | EA | 48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 23,903.89 | 2,284.38 |
| | | *For Class 52 Rating, Deduct* | *-2,248.70* | |
| | | *For Class 54 Rating, Add* | *3,107.94* | |
| | | *For Class 55 Rating, Add* | *4,641.79* | |
| | | *For Class 56 Rating, Add* | *6,155.20* | |
| 40 05 19 00-3590 | EA | 48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 26,418.38 | 2,287.14 |
| | | *For Class 52 Rating, Deduct* | *-2,524.83* | |
| | | *For Class 54 Rating, Add* | *3,484.54* | |
| | | *For Class 55 Rating, Add* | *5,201.69* | |
| | | *For Class 56 Rating, Add* | *6,895.89* | |
| 40 05 19 00-3591 | EA | 48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 28,927.13 | 2,289.88 |
| | | *For Class 52 Rating, Deduct* | *-2,800.34* | |
| | | *For Class 54 Rating, Add* | *3,860.27* | |
| | | *For Class 55 Rating, Add* | *5,760.31* | |
| | | *For Class 56 Rating, Add* | *7,634.90* | |
| 40 05 19 00-3592 | EA | 48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 31,438.75 | 2,292.64 |
| | | *For Class 52 Rating, Deduct* | *-3,076.16* | |
| | | *For Class 54 Rating, Add* | *4,236.44* | |
| | | *For Class 55 Rating, Add* | *6,319.57* | |
| | | *For Class 56 Rating, Add* | *8,374.74* | |
| 40 05 19 00-3593 | EA | 48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 33,967.54 | 2,295.40 |
| | | *For Class 52 Rating, Deduct* | *-3,353.86* | |
| | | *For Class 54 Rating, Add* | *4,615.18* | |
| | | *For Class 55 Rating, Add* | *6,882.66* | |
| | | *For Class 56 Rating, Add* | *9,119.65* | |
| 40 05 19 00-3594 | EA | 48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 36,490.60 | 2,298.15 |
| | | *For Class 52 Rating, Deduct* | *-3,630.94* | |
| | | *For Class 54 Rating, Add* | *4,993.07* | |
| | | *For Class 55 Rating, Add* | *7,444.47* | |
| | | *For Class 56 Rating, Add* | *9,862.87* | |
| 40 05 19 00-3595 | EA | 48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 39,007.94 | 2,300.91 |
| | | *For Class 52 Rating, Deduct* | *-3,907.39* | |
| | | *For Class 54 Rating, Add* | *5,370.09* | |
| | | *For Class 55 Rating, Add* | *8,005.01* | |
| | | *For Class 56 Rating, Add* | *10,604.41* | |
| 40 05 19 00-3596 | EA | 48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 41,548.15 | 2,303.67 |
| | | *For Class 52 Rating, Deduct* | *-4,186.35* | |
| | | *For Class 54 Rating, Add* | *5,750.55* | |
| | | *For Class 55 Rating, Add* | *8,570.65* | |
| | | *For Class 56 Rating, Add* | *11,352.69* | |
| 40 05 19 00-3597 | EA | 48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 44,076.93 | 2,306.43 |
| | | *For Class 52 Rating, Deduct* | *-4,464.06* | |
| | | *For Class 54 Rating, Add* | *6,129.29* | |
| | | *For Class 55 Rating, Add* | *9,133.73* | |
| | | *For Class 56 Rating, Add* | *12,097.60* | |
| 40 05 19 00-3598 | EA | 48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 46,620.01 | 2,309.18 |
| | | *For Class 52 Rating, Deduct* | *-4,743.34* | |
| | | *For Class 54 Rating, Add* | *6,510.17* | |
| | | *For Class 55 Rating, Add* | *9,700.01* | |
| | | *For Class 56 Rating, Add* | *12,846.72* | |
| 40 05 19 00-3599 | EA | 48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 49,145.92 | 2,311.93 |
| | | *For Class 52 Rating, Deduct* | *-5,020.73* | |
| | | *For Class 54 Rating, Add* | *6,888.48* | |
| | | *For Class 55 Rating, Add* | *10,262.46* | |
| | | *For Class 56 Rating, Add* | *13,590.79* | |
| 40 05 19 00-3600 | EA | 48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 51,677.55 | 2,314.69 |
| | | *For Class 52 Rating, Deduct* | *-5,298.75* | |
| | | *For Class 54 Rating, Add* | *7,267.65* | |
| | | *For Class 55 Rating, Add* | *10,826.18* | |
| | | *For Class 56 Rating, Add* | *14,336.54* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3601 | EA | 48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 54,223.50 | 2,317.45 |
| | | *For Class 52 Rating, Deduct* | *-5,578.34* | |
| | | *For Class 54 Rating, Add* | *7,648.97* | |
| | | *For Class 55 Rating, Add* | *11,393.09* | |
| | | *For Class 56 Rating, Add* | *15,086.51* | |
| 40 05 19 00-3602 | EA | 48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 56,755.13 | 2,320.20 |
| | | *For Class 52 Rating, Deduct* | *-5,856.36* | |
| | | *For Class 54 Rating, Add* | *8,028.14* | |
| | | *For Class 55 Rating, Add* | *11,956.82* | |
| | | *For Class 56 Rating, Add* | *15,832.26* | |
| 40 05 19 00-3603 | EA | 48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 59,286.77 | 2,322.96 |
| | | *For Class 52 Rating, Deduct* | *-6,134.39* | |
| | | *For Class 54 Rating, Add* | *8,407.31* | |
| | | *For Class 55 Rating, Add* | *12,520.54* | |
| | | *For Class 56 Rating, Add* | *16,578.01* | |
| 40 05 19 00-3604 | EA | 48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 61,835.55 | 2,325.72 |
| | | *For Class 52 Rating, Deduct* | *-6,414.29* | |
| | | *For Class 54 Rating, Add* | *8,789.05* | |
| | | *For Class 55 Rating, Add* | *13,088.09* | |
| | | *For Class 56 Rating, Add* | *17,328.82* | |
| 40 05 19 00-3605 | EA | 48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 64,370.05 | 2,328.47 |
| | | *For Class 52 Rating, Deduct* | *-6,692.63* | |
| | | *For Class 54 Rating, Add* | *9,168.65* | |
| | | *For Class 55 Rating, Add* | *13,652.45* | |
| | | *For Class 56 Rating, Add* | *18,075.42* | |
| 40 05 19 00-3606 | EA | 48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 66,901.70 | 2,331.23 |
| | | *For Class 52 Rating, Deduct* | *-6,970.65* | |
| | | *For Class 54 Rating, Add* | *9,547.82* | |
| | | *For Class 55 Rating, Add* | *14,216.18* | |
| | | *For Class 56 Rating, Add* | *18,821.17* | |
| 40 05 19 00-3607 | EA | 48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 69,456.20 | 2,333.99 |
| | | *For Class 52 Rating, Deduct* | *-7,251.19* | |
| | | *For Class 54 Rating, Add* | *9,930.42* | |
| | | *For Class 55 Rating, Add* | *14,785.00* | |
| | | *For Class 56 Rating, Add* | *19,573.67* | |
| 40 05 19 00-3608 | EA | 48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 71,993.55 | 2,336.74 |
| | | *For Class 52 Rating, Deduct* | *-7,529.84* | |
| | | *For Class 54 Rating, Add* | *10,310.44* | |
| | | *For Class 55 Rating, Add* | *15,350.00* | |
| | | *For Class 56 Rating, Add* | *20,321.11* | |
| 40 05 19 00-3609 | EA | 48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 74,528.05 | 2,339.48 |
| | | *For Class 52 Rating, Deduct* | *-7,808.17* | |
| | | *For Class 54 Rating, Add* | *10,690.04* | |
| | | *For Class 55 Rating, Add* | *15,914.36* | |
| | | *For Class 56 Rating, Add* | *21,067.70* | |
| 40 05 19 00-3610 | EA | 48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 77,079.71 | 2,342.24 |
| | | *For Class 52 Rating, Deduct* | *-8,088.39* | |
| | | *For Class 54 Rating, Add* | *11,072.21* | |
| | | *For Class 55 Rating, Add* | *16,482.55* | |
| | | *For Class 56 Rating, Add* | *21,819.36* | |
| 40 05 19 00-3611 | EA | 48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 79,617.06 | 2,345.00 |
| | | *For Class 52 Rating, Deduct* | *-8,367.04* | |
| | | *For Class 54 Rating, Add* | *11,452.24* | |
| | | *For Class 55 Rating, Add* | *17,047.55* | |
| | | *For Class 56 Rating, Add* | *22,566.80* | |
| 40 05 19 00-3612 | EA | 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 82,151.56 | 2,347.75 |
| | | *For Class 52 Rating, Deduct* | *-8,645.38* | |
| | | *For Class 54 Rating, Add* | *11,831.84* | |
| | | *For Class 55 Rating, Add* | *17,611.91* | |
| | | *For Class 56 Rating, Add* | *23,313.39* | |
| 40 05 19 00-3613 | EA | 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 84,706.06 | 2,350.51 |
| | | *For Class 52 Rating, Deduct* | *-8,925.91* | |
| | | *For Class 54 Rating, Add* | *12,214.44* | |
| | | *For Class 55 Rating, Add* | *18,180.74* | |
| | | *For Class 56 Rating, Add* | *24,065.89* | |
| 40 05 19 00-3614 | EA | 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 87,243.42 | 2,353.27 |
| | | *For Class 52 Rating, Deduct* | *-9,204.56* | |
| | | *For Class 54 Rating, Add* | *12,594.47* | |
| | | *For Class 55 Rating, Add* | *18,745.74* | |
| | | *For Class 56 Rating, Add* | *24,813.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3615 | EA | 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 89,480.57 | 2,356.03 |
| | | *For Class 52 Rating, Deduct* | *-9,450.19* | |
| | | *For Class 54 Rating, Add* | *12,929.46* | |
| | | *For Class 55 Rating, Add* | *19,243.79* | |
| | | *For Class 56 Rating, Add* | *25,472.21* | |
| 40 05 19 00-3616 | EA | 48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 92,338.15 | 2,358.77 |
| | | *For Class 52 Rating, Deduct* | *-9,764.07* | |
| | | *For Class 54 Rating, Add* | *13,357.52* | |
| | | *For Class 55 Rating, Add* | *19,880.20* | |
| | | *For Class 56 Rating, Add* | *26,314.11* | |
| 40 05 19 00-3617 | EA | 48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 94,872.64 | 2,361.53 |
| | | *For Class 52 Rating, Deduct* | *-10,042.40* | |
| | | *For Class 54 Rating, Add* | *13,737.12* | |
| | | *For Class 55 Rating, Add* | *20,444.56* | |
| | | *For Class 56 Rating, Add* | *27,060.71* | |
| 40 05 19 00-3618 | EA | 48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 97,432.87 | 2,364.29 |
| | | *For Class 52 Rating, Deduct* | *-10,323.57* | |
| | | *For Class 54 Rating, Add* | *14,120.58* | |
| | | *For Class 55 Rating, Add* | *21,014.66* | |
| | | *For Class 56 Rating, Add* | *27,814.89* | |
| 40 05 19 00-3619 | EA | 48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 99,967.38 | 2,367.04 |
| | | *For Class 52 Rating, Deduct* | *-10,601.90* | |
| | | *For Class 54 Rating, Add* | *14,500.18* | |
| | | *For Class 55 Rating, Add* | *21,579.02* | |
| | | *For Class 56 Rating, Add* | *28,561.49* | |
| 40 05 19 00-3620 | EA | 48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 102,501.87 | 2,369.80 |
| | | *For Class 52 Rating, Deduct* | *-10,880.24* | |
| | | *For Class 54 Rating, Add* | *14,879.78* | |
| | | *For Class 55 Rating, Add* | *22,143.39* | |
| | | *For Class 56 Rating, Add* | *29,308.08* | |
| 40 05 19 00-3621 | EA | 48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe | 105,062.09 | 2,372.56 |
| | | *For Class 52 Rating, Deduct* | *-11,161.40* | |
| | | *For Class 54 Rating, Add* | *15,263.23* | |
| | | *For Class 55 Rating, Add* | *22,713.48* | |
| | | *For Class 56 Rating, Add* | *30,062.27* | |

## 40 05 19 00-3622 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-2073)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3623 | EA | 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 767.75 | 132.95 |
| 40 05 19 00-3624 | EA | 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 1,125.31 | 170.01 |
| 40 05 19 00-3625 | EA | 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 1,608.42 | 192.57 |
| 40 05 19 00-3626 | EA | 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 2,298.87 | 244.14 |
| 40 05 19 00-3627 | EA | 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 2,865.81 | 270.73 |
| 40 05 19 00-3628 | EA | 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 3,516.71 | 294.09 |
| 40 05 19 00-3629 | EA | 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 4,318.46 | 362.58 |
| 40 05 19 00-3630 | EA | 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 5,418.19 | 435.10 |
| 40 05 19 00-3631 | EA | 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 6,621.79 | 547.90 |
| 40 05 19 00-3632 | EA | 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 9,861.48 | 620.41 |
| 40 05 19 00-3633 | EA | 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 15,311.11 | 821.84 |
| 40 05 19 00-3634 | EA | 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 22,719.06 | 930.61 |
| 40 05 19 00-3635 | EA | 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 38,799.55 | 1,063.55 |
| 40 05 19 00-3636 | EA | 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow | 51,332.86 | 1,305.28 |

## 40 05 19 00-3637 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-2073)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3638 | EA | 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 731.26 | 132.95 |
| 40 05 19 00-3639 | EA | 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 1,065.03 | 170.01 |
| 40 05 19 00-3640 | EA | 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 1,459.30 | 192.57 |
| 40 05 19 00-3641 | EA | 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 2,086.30 | 244.14 |
| 40 05 19 00-3642 | EA | 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 2,591.38 | 270.73 |
| 40 05 19 00-3643 | EA | 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 3,020.19 | 294.09 |
| 40 05 19 00-3644 | EA | 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 3,712.48 | 362.58 |
| 40 05 19 00-3645 | EA | 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 4,726.55 | 435.10 |
| 40 05 19 00-3646 | EA | 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 5,944.44 | 547.90 |
| 40 05 19 00-3647 | EA | 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 7,810.37 | 620.41 |
| 40 05 19 00-3648 | EA | 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 14,947.84 | 821.84 |
| 40 05 19 00-3649 | EA | 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 22,233.64 | 930.61 |
| 40 05 19 00-3650 | EA | 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 33,631.32 | 1,063.55 |
| 40 05 19 00-3651 | EA | 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow | 45,484.10 | 1,305.28 |

## 40 05 19 00-3652 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-2073)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3653 | EA | 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 729.67 | 132.95 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3654 | EA | 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 1,044.40 | 170.01 |
| 40 05 19 00-3655 | EA | 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 1,446.61 | 192.57 |
| 40 05 19 00-3656 | EA | 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 2,037.12 | 244.14 |
| 40 05 19 00-3657 | EA | 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 2,700.84 | 270.73 |
| 40 05 19 00-3658 | EA | 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 3,354.90 | 294.09 |
| 40 05 19 00-3659 | EA | 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 3,788.63 | 362.58 |
| 40 05 19 00-3660 | EA | 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 4,818.56 | 435.10 |
| 40 05 19 00-3661 | EA | 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 6,339.43 | 547.90 |
| 40 05 19 00-3662 | EA | 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 8,722.51 | 620.41 |
| 40 05 19 00-3663 | EA | 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 15,109.65 | 821.84 |
| 40 05 19 00-3664 | EA | 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 22,603.26 | 930.61 |
| 40 05 19 00-3665 | EA | 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 34,368.96 | 1,063.55 |
| 40 05 19 00-3666 | EA | 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow | 46,448.58 | 1,305.28 |
| **40 05 19 00-3667** | | **Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-2073)* | | |
| 40 05 19 00-3668 | EA | 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 791.54 | 132.95 |
| 40 05 19 00-3669 | EA | 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 1,160.21 | 170.01 |
| 40 05 19 00-3670 | EA | 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 1,494.20 | 192.57 |
| 40 05 19 00-3671 | EA | 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 2,206.86 | 244.14 |
| 40 05 19 00-3672 | EA | 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 3,016.51 | 270.73 |
| 40 05 19 00-3673 | EA | 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 3,435.80 | 294.09 |
| 40 05 19 00-3674 | EA | 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 4,129.68 | 362.58 |
| 40 05 19 00-3675 | EA | 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 4,818.56 | 435.10 |
| 40 05 19 00-3676 | EA | 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 6,339.43 | 547.90 |
| 40 05 19 00-3677 | EA | 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 9,046.12 | 620.41 |
| 40 05 19 00-3678 | EA | 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 15,268.28 | 821.84 |
| 40 05 19 00-3679 | EA | 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 22,765.06 | 930.61 |
| 40 05 19 00-3680 | EA | 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 34,538.69 | 1,063.55 |
| 40 05 19 00-3681 | EA | 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow | 46,791.23 | 1,305.28 |
| **40 05 19 00-3682** | | **Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-2073)* | | |
| 40 05 19 00-3683 | EA | 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,095.64 | 151.47 |
| 40 05 19 00-3684 | EA | 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,414.13 | 162.76 |
| 40 05 19 00-3685 | EA | 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 1,535.80 | 181.29 |
| 40 05 19 00-3686 | EA | 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,111.52 | 188.54 |
| 40 05 19 00-3687 | EA | 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,150.71 | 207.07 |
| 40 05 19 00-3688 | EA | 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,308.98 | 218.35 |
| 40 05 19 00-3689 | EA | 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,522.04 | 220.77 |
| 40 05 19 00-3690 | EA | 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,816.73 | 232.05 |
| 40 05 19 00-3691 | EA | 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,949.38 | 257.83 |
| 40 05 19 00-3692 | EA | 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 2,937.29 | 232.05 |
| 40 05 19 00-3693 | EA | 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,185.98 | 243.33 |
| 40 05 19 00-3694 | EA | 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,453.48 | 269.11 |
| 40 05 19 00-3695 | EA | 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,753.43 | 282.81 |
| 40 05 19 00-3696 | EA | 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,381.00 | 266.29 |
| 40 05 19 00-3697 | EA | 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,583.69 | 277.57 |
| 40 05 19 00-3698 | EA | 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,990.78 | 303.36 |
| 40 05 19 00-3699 | EA | 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 4,291.71 | 316.65 |
| 40 05 19 00-3700 | EA | 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 4,537.84 | 328.34 |
| 40 05 19 00-3701 | EA | 18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 3,926.10 | 302.55 |
| 40 05 19 00-3702 | EA | 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 4,546.00 | 313.83 |
| 40 05 19 00-3703 | EA | 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 4,627.90 | 339.62 |
| 40 05 19 00-3704 | EA | 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 4,833.64 | 352.91 |
| 40 05 19 00-3705 | EA | 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 5,174.95 | 364.59 |
| 40 05 19 00-3706 | EA | 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 5,547.26 | 398.84 |
| 40 05 19 00-3707 | EA | 20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 4,909.42 | 358.95 |
| 40 05 19 00-3708 | EA | 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 5,177.15 | 370.23 |
| 40 05 19 00-3709 | EA | 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 6,210.83 | 396.01 |
| 40 05 19 00-3710 | EA | 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 6,399.13 | 409.31 |
| 40 05 19 00-3711 | EA | 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 6,973.63 | 420.99 |
| 40 05 19 00-3712 | EA | 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 6,797.08 | 455.23 |
| 40 05 19 00-3713 | EA | 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 7,148.66 | 491.49 |
| 40 05 19 00-3714 | EA | 24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 6,793.38 | 395.21 |
| 40 05 19 00-3715 | EA | 24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 7,056.36 | 406.49 |
| 40 05 19 00-3716 | EA | 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 7,495.17 | 432.27 |
| 40 05 19 00-3717 | EA | 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 7,813.54 | 445.57 |
| 40 05 19 00-3718 | EA | 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 8,427.71 | 457.25 |
| 40 05 19 00-3719 | EA | 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 8,977.69 | 491.49 |
| 40 05 19 00-3720 | EA | 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 9,130.97 | 527.75 |
| 40 05 19 00-3721 | EA | 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 9,567.88 | 521.92 |
| 40 05 19 00-3722 | EA | 30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 11,548.05 | 546.28 |
| 40 05 19 00-3723 | EA | 30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 12,206.62 | 557.97 |
| 40 05 19 00-3724 | EA | 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 13,821.03 | 592.21 |
| 40 05 19 00-3725 | EA | 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 15,562.23 | 628.47 |
| 40 05 19 00-3726 | EA | 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 20,834.95 | 684.86 |
| 40 05 19 00-3727 | EA | 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 22,266.81 | 721.12 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3728 | EA | 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 20,130.54 | 739.26 |
| 40 05 19 00-3729 | EA | 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 21,993.88 | 775.51 |
| 40 05 19 00-3730 | EA | 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 23,053.86 | 876.22 |
| 40 05 19 00-3731 | EA | 42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 29,858.64 | 805.73 |
| 40 05 19 00-3732 | EA | 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 30,581.41 | 841.99 |
| 40 05 19 00-3733 | EA | 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 30,550.00 | 942.70 |
| 40 05 19 00-3734 | EA | 42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 43,610.08 | 997.09 |
| 40 05 19 00-3735 | EA | 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 41,712.71 | 972.91 |
| 40 05 19 00-3736 | EA | 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 45,342.52 | 1,073.63 |
| 40 05 19 00-3737 | EA | 48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 46,638.45 | 1,128.01 |
| 40 05 19 00-3738 | EA | 48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow | 57,865.62 | 1,194.49 |

## 40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows *(40 05 19 00-2073)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3740 | EA | 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 902.58 | 132.95 |
| 40 05 19 00-3741 | EA | 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 1,420.36 | 170.01 |
| 40 05 19 00-3742 | EA | 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 2,109.69 | 192.57 |
| 40 05 19 00-3743 | EA | 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 2,946.08 | 244.14 |
| 40 05 19 00-3744 | EA | 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 4,122.18 | 270.73 |
| 40 05 19 00-3745 | EA | 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 4,833.35 | 294.09 |
| 40 05 19 00-3746 | EA | 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 6,160.17 | 362.58 |
| 40 05 19 00-3747 | EA | 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 7,540.69 | 435.10 |
| 40 05 19 00-3748 | EA | 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 10,068.87 | 547.90 |
| 40 05 19 00-3749 | EA | 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 14,687.07 | 620.41 |
| 40 05 19 00-3750 | EA | 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 25,439.76 | 821.84 |
| 40 05 19 00-3751 | EA | 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 38,523.56 | 930.61 |
| 40 05 19 00-3752 | EA | 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow | 59,358.26 | 1,063.55 |

## 40 05 19 00-3753 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbows *(40 05 19 00-2073)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3754 | EA | 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 1,894.02 | 151.47 |
| 40 05 19 00-3755 | EA | 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 3,199.88 | 162.76 |
| 40 05 19 00-3756 | EA | 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 3,018.21 | 181.29 |
| 40 05 19 00-3757 | EA | 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 3,381.73 | 188.54 |
| 40 05 19 00-3758 | EA | 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 3,737.36 | 207.07 |
| 40 05 19 00-3759 | EA | 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 3,866.03 | 218.35 |
| 40 05 19 00-3760 | EA | 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 7,827.93 | 220.77 |
| 40 05 19 00-3761 | EA | 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 6,003.78 | 232.05 |
| 40 05 19 00-3762 | EA | 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 6,042.84 | 257.83 |
| 40 05 19 00-3763 | EA | 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 8,046.85 | 243.33 |
| 40 05 19 00-3764 | EA | 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 11,453.31 | 269.11 |
| 40 05 19 00-3765 | EA | 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 11,197.94 | 282.81 |
| 40 05 19 00-3766 | EA | 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 14,770.17 | 277.57 |
| 40 05 19 00-3767 | EA | 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 14,671.79 | 303.36 |
| 40 05 19 00-3768 | EA | 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 13,687.88 | 316.65 |
| 40 05 19 00-3769 | EA | 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 13,581.53 | 328.34 |
| 40 05 19 00-3770 | EA | 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 20,122.40 | 352.91 |
| 40 05 19 00-3771 | EA | 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 18,330.10 | 364.59 |
| 40 05 19 00-3772 | EA | 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 16,571.99 | 398.84 |
| 40 05 19 00-3773 | EA | 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 27,054.96 | 420.99 |
| 40 05 19 00-3774 | EA | 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 22,767.96 | 455.23 |
| 40 05 19 00-3775 | EA | 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 18,484.00 | 491.49 |
| 40 05 19 00-3776 | EA | 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 33,939.32 | 457.25 |
| 40 05 19 00-3777 | EA | 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 27,123.41 | 491.49 |
| 40 05 19 00-3778 | EA | 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 20,310.55 | 527.75 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3779 | EA | 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow | 27,757.65 | 521.92 |
| **40 05 19 00-3780** | | **Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-2073)* | | |
| 40 05 19 00-3781 | EA | 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 947.00 | 132.95 |
| 40 05 19 00-3782 | EA | 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 1,333.11 | 170.01 |
| 40 05 19 00-3783 | EA | 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 2,168.39 | 192.57 |
| 40 05 19 00-3784 | EA | 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 2,901.67 | 244.14 |
| 40 05 19 00-3785 | EA | 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 3,879.47 | 270.73 |
| 40 05 19 00-3786 | EA | 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 4,600.16 | 294.09 |
| 40 05 19 00-3787 | EA | 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 5,606.55 | 362.58 |
| 40 05 19 00-3788 | EA | 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 6,944.23 | 435.10 |
| 40 05 19 00-3789 | EA | 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 8,972.72 | 547.90 |
| 40 05 19 00-3790 | EA | 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 12,599.47 | 620.41 |
| 40 05 19 00-3791 | EA | 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 20,327.05 | 821.84 |
| 40 05 19 00-3792 | EA | 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 28,940.60 | 930.61 |
| 40 05 19 00-3793 | EA | 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 50,961.87 | 1,063.55 |
| 40 05 19 00-3794 | EA | 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base | 57,181.63 | 1,305.28 |
| **40 05 19 00-3795** | | **Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-2073)* | | |
| 40 05 19 00-3796 | EA | 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 1,162.67 | 213.52 |
| 40 05 19 00-3797 | EA | 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 1,505.23 | 262.66 |
| 40 05 19 00-3798 | EA | 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 2,176.63 | 293.28 |
| 40 05 19 00-3799 | EA | 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 3,079.07 | 381.10 |
| 40 05 19 00-3800 | EA | 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 4,119.83 | 415.76 |
| 40 05 19 00-3801 | EA | 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 5,523.75 | 447.18 |
| 40 05 19 00-3802 | EA | 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 5,968.86 | 564.01 |
| 40 05 19 00-3803 | EA | 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 7,413.93 | 644.58 |
| 40 05 19 00-3804 | EA | 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 9,326.41 | 813.79 |
| 40 05 19 00-3805 | EA | 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 13,748.76 | 898.38 |
| 40 05 19 00-3806 | EA | 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 22,602.13 | 1,240.82 |
| 40 05 19 00-3807 | EA | 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 31,961.66 | 1,422.11 |
| 40 05 19 00-3808 | EA | 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee | 68,359.19 | 1,643.68 |
| **40 05 19 00-3809** | | **Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees** *(40 05 19 00-2073)* | | |
| 40 05 19 00-3810 | EA | 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 1,549.51 | 238.50 |
| 40 05 19 00-3811 | EA | 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 2,010.52 | 243.33 |
| 40 05 19 00-3812 | EA | 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 1,977.60 | 273.94 |
| 40 05 19 00-3813 | EA | 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 2,679.36 | 269.11 |
| 40 05 19 00-3814 | EA | 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 2,609.94 | 299.73 |
| 40 05 19 00-3815 | EA | 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 2,720.15 | 319.07 |
| 40 05 19 00-3816 | EA | 12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,421.89 | 282.81 |
| 40 05 19 00-3817 | EA | 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,379.44 | 313.43 |
| 40 05 19 00-3818 | EA | 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 3,526.13 | 332.76 |
| 40 05 19 00-3819 | EA | 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,065.90 | 394.81 |
| 40 05 19 00-3820 | EA | 14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,903.15 | 294.09 |
| 40 05 19 00-3821 | EA | 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,784.56 | 324.71 |
| 40 05 19 00-3822 | EA | 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,953.46 | 344.04 |
| 40 05 19 00-3823 | EA | 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 5,139.46 | 406.08 |
| 40 05 19 00-3824 | EA | 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 5,403.43 | 427.44 |
| 40 05 19 00-3825 | EA | 16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 5,917.94 | 328.34 |
| 40 05 19 00-3826 | EA | 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 4,976.05 | 358.95 |
| 40 05 19 00-3827 | EA | 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 5,089.41 | 378.29 |
| 40 05 19 00-3828 | EA | 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 6,144.72 | 440.33 |
| 40 05 19 00-3829 | EA | 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 5,498.14 | 461.69 |
| 40 05 19 00-3830 | EA | 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 6,570.25 | 481.42 |
| 40 05 19 00-3831 | EA | 18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 5,557.64 | 395.21 |
| 40 05 19 00-3832 | EA | 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 6,546.66 | 414.55 |
| 40 05 19 00-3833 | EA | 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 6,499.48 | 476.58 |
| 40 05 19 00-3834 | EA | 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 6,140.01 | 497.94 |
| 40 05 19 00-3835 | EA | 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 7,573.81 | 517.68 |
| 40 05 19 00-3836 | EA | 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 7,976.56 | 600.27 |
| 40 05 19 00-3837 | EA | 20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 7,933.73 | 451.61 |
| 40 05 19 00-3838 | EA | 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 8,061.39 | 470.94 |
| 40 05 19 00-3839 | EA | 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 8,306.09 | 532.99 |
| 40 05 19 00-3840 | EA | 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 8,587.50 | 554.34 |
| 40 05 19 00-3841 | EA | 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 8,666.57 | 574.08 |
| 40 05 19 00-3842 | EA | 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 10,233.68 | 656.67 |
| 40 05 19 00-3843 | EA | 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 10,399.18 | 700.98 |
| 40 05 19 00-3844 | EA | 24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 9,168.89 | 487.86 |
| 40 05 19 00-3845 | EA | 24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 9,524.98 | 507.20 |
| 40 05 19 00-3846 | EA | 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 9,801.40 | 569.25 |
| 40 05 19 00-3847 | EA | 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 10,864.87 | 590.60 |
| 40 05 19 00-3848 | EA | 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 11,093.06 | 610.33 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3849 | EA | 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 11,349.86 | 692.93 |
| 40 05 19 00-3850 | EA | 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 14,664.20 | 737.24 |
| 40 05 19 00-3851 | EA | 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 15,092.97 | 787.81 |
| 40 05 19 00-3852 | EA | 30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 18,165.24 | 588.58 |
| 40 05 19 00-3853 | EA | 30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 18,246.88 | 607.92 |
| 40 05 19 00-3854 | EA | 30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 18,661.31 | 669.97 |
| 40 05 19 00-3855 | EA | 30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 18,693.66 | 691.32 |
| 40 05 19 00-3856 | EA | 30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 18,723.57 | 711.05 |
| 40 05 19 00-3857 | EA | 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 18,848.71 | 793.64 |
| 40 05 19 00-3858 | EA | 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 19,444.10 | 837.95 |
| 40 05 19 00-3859 | EA | 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 20,387.55 | 950.75 |
| 40 05 19 00-3860 | EA | 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 24,854.90 | 999.10 |
| 40 05 19 00-3861 | EA | 36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 26,092.73 | 842.39 |
| 40 05 19 00-3862 | EA | 36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 26,328.50 | 857.70 |
| 40 05 19 00-3863 | EA | 36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 26,447.38 | 901.61 |
| 40 05 19 00-3864 | EA | 36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 26,633.84 | 918.93 |
| 40 05 19 00-3865 | EA | 36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 26,711.58 | 934.64 |
| 40 05 19 00-3866 | EA | 36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 26,904.79 | 993.06 |
| 40 05 19 00-3867 | EA | 36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 27,021.35 | 1,033.35 |
| 40 05 19 00-3868 | EA | 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 27,360.52 | 1,117.95 |
| 40 05 19 00-3869 | EA | 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 27,906.85 | 1,160.25 |
| 40 05 19 00-3870 | EA | 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 36,094.70 | 1,331.47 |
| 40 05 19 00-3871 | EA | 42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 39,667.09 | 812.17 |
| 40 05 19 00-3872 | EA | 42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 39,755.70 | 831.91 |
| 40 05 19 00-3873 | EA | 42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 39,991.87 | 914.49 |
| 40 05 19 00-3874 | EA | 42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 40,116.13 | 958.82 |
| 40 05 19 00-3875 | EA | 42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 40,513.88 | 1,071.62 |
| 40 05 19 00-3876 | EA | 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 41,042.41 | 1,119.96 |
| 40 05 19 00-3877 | EA | 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 51,404.05 | 1,361.67 |
| 40 05 19 00-3878 | EA | 42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 65,624.15 | 1,488.58 |
| 40 05 19 00-3879 | EA | 48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 53,284.16 | 943.10 |
| 40 05 19 00-3880 | EA | 48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 53,314.06 | 962.85 |
| 40 05 19 00-3881 | EA | 48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 53,607.34 | 1,045.43 |
| 40 05 19 00-3882 | EA | 48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 53,674.48 | 1,089.74 |
| 40 05 19 00-3883 | EA | 48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 54,072.24 | 1,202.54 |
| 40 05 19 00-3884 | EA | 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 54,545.25 | 1,250.89 |
| 40 05 19 00-3885 | EA | 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee | 55,706.24 | 1,492.61 |

### 40 05 19 00-3886 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-2073)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3887 | EA | 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base | 1,254.68 | 213.52 |
| 40 05 19 00-3888 | EA | 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base | 1,773.32 | 262.66 |
| 40 05 19 00-3889 | EA | 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base | 2,630.32 | 293.28 |
| 40 05 19 00-3890 | EA | 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base | 3,938.85 | 381.10 |
| 40 05 19 00-3891 | EA | 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base | 5,312.75 | 415.76 |
| 40 05 19 00-3892 | EA | 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base | 5,988.54 | 447.18 |
| 40 05 19 00-3893 | EA | 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base | 7,339.44 | 564.01 |
| 40 05 19 00-3894 | EA | 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base | 8,871.75 | 644.58 |
| 40 05 19 00-3895 | EA | 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base | 11,663.06 | 813.79 |
| 40 05 19 00-3896 | EA | 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base | 16,797.67 | 898.38 |
| 40 05 19 00-3897 | EA | 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base | 27,830.64 | 1,240.82 |
| 40 05 19 00-3898 | EA | 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base | 39,639.45 | 1,422.11 |

### 40 05 19 00-3899 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-2073)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3900 | EA | 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye | 1,024.66 | 213.52 |
| 40 05 19 00-3901 | EA | 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye | 1,494.13 | 262.66 |
| 40 05 19 00-3902 | EA | 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye | 2,213.12 | 293.28 |
| 40 05 19 00-3903 | EA | 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye | 2,917.26 | 381.10 |
| 40 05 19 00-3904 | EA | 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye | 4,414.89 | 415.76 |
| 40 05 19 00-3905 | EA | 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye | 5,913.98 | 447.18 |

### 40 05 19 00-3906 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-2073)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3907 | EA | 4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 1,316.48 | 294.09 |
| 40 05 19 00-3908 | EA | 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 1,854.99 | 318.67 |
| 40 05 19 00-3909 | EA | 6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 1,926.40 | 355.33 |
| 40 05 19 00-3910 | EA | 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 2,397.52 | 323.90 |
| 40 05 19 00-3911 | EA | 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 2,557.40 | 366.61 |
| 40 05 19 00-3912 | EA | 8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 2,613.18 | 394.00 |
| 40 05 19 00-3913 | EA | 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 3,152.02 | 349.69 |
| 40 05 19 00-3914 | EA | 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 3,402.31 | 392.39 |
| 40 05 19 00-3915 | EA | 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 3,675.42 | 419.79 |
| 40 05 19 00-3916 | EA | 10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 4,422.40 | 518.08 |
| 40 05 19 00-3917 | EA | 12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 4,123.95 | 362.98 |
| 40 05 19 00-3918 | EA | 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 4,280.66 | 405.68 |
| 40 05 19 00-3919 | EA | 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 4,553.77 | 433.08 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3920 | EA | 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 5,348.34 | 531.38 |
| 40 05 19 00-3921 | EA | 12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 5,015.36 | 560.78 |
| 40 05 19 00-3922 | EA | 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 5,156.55 | 417.36 |
| 40 05 19 00-3923 | EA | 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 5,429.67 | 444.76 |
| 40 05 19 00-3924 | EA | 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 5,899.04 | 543.06 |
| 40 05 19 00-3925 | EA | 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 6,362.39 | 572.47 |
| 40 05 19 00-3926 | EA | 14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 6,632.94 | 600.27 |
| 40 05 19 00-3927 | EA | 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 6,155.47 | 451.61 |
| 40 05 19 00-3928 | EA | 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 6,473.00 | 479.01 |
| 40 05 19 00-3929 | EA | 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 6,943.96 | 577.30 |
| 40 05 19 00-3930 | EA | 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 7,451.73 | 606.71 |
| 40 05 19 00-3931 | EA | 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 10,220.73 | 634.51 |
| 40 05 19 00-3932 | EA | 16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 8,247.44 | 765.44 |
| 40 05 19 00-3933 | EA | 18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 6,468.98 | 487.86 |
| 40 05 19 00-3934 | EA | 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 6,786.51 | 515.27 |
| 40 05 19 00-3935 | EA | 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 7,165.46 | 613.56 |
| 40 05 19 00-3936 | EA | 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 7,673.22 | 642.97 |
| 40 05 19 00-3937 | EA | 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 8,729.00 | 670.77 |
| 40 05 19 00-3938 | EA | 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 9,344.58 | 801.69 |
| 40 05 19 00-3939 | EA | 18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 9,698.36 | 854.07 |
| 40 05 19 00-3940 | EA | 20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 8,323.17 | 544.27 |
| 40 05 19 00-3941 | EA | 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 8,662.91 | 571.66 |
| 40 05 19 00-3942 | EA | 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 9,010.14 | 669.97 |
| 40 05 19 00-3943 | EA | 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 9,551.22 | 699.37 |
| 40 05 19 00-3944 | EA | 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 9,694.87 | 727.16 |
| 40 05 19 00-3945 | EA | 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 11,582.68 | 858.10 |
| 40 05 19 00-3946 | EA | 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 11,958.67 | 910.47 |
| 40 05 19 00-3947 | EA | 20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 12,911.43 | 1,079.67 |
| 40 05 19 00-3948 | EA | 24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 10,998.72 | 580.53 |
| 40 05 19 00-3949 | EA | 24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 11,241.69 | 607.92 |
| 40 05 19 00-3950 | EA | 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 11,736.45 | 706.22 |
| 40 05 19 00-3951 | EA | 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 12,079.23 | 735.63 |
| 40 05 19 00-3952 | EA | 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 12,270.47 | 763.42 |
| 40 05 19 00-3953 | EA | 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 12,816.25 | 894.36 |
| 40 05 19 00-3954 | EA | 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 16,425.15 | 946.72 |
| 40 05 19 00-3955 | EA | 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 17,231.27 | 1,053.70 |
| 40 05 19 00-3956 | EA | 24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 18,808.33 | 1,176.36 |
| 40 05 19 00-3957 | EA | 30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 19,711.32 | 836.35 |
| 40 05 19 00-3958 | EA | 30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 19,805.79 | 864.14 |
| 40 05 19 00-3959 | EA | 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 20,375.37 | 995.08 |
| 40 05 19 00-3960 | EA | 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 20,564.19 | 1,047.44 |
| 40 05 19 00-3961 | EA | 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 21,404.32 | 1,216.65 |
| 40 05 19 00-3962 | EA | 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 27,619.07 | 1,277.07 |
| 40 05 19 00-3963 | EA | 30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 30,913.14 | 1,659.79 |
| 40 05 19 00-3964 | EA | 36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 27,595.98 | 1,063.96 |
| 40 05 19 00-3965 | EA | 36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 27,632.00 | 1,087.73 |
| 40 05 19 00-3966 | EA | 36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 28,117.36 | 1,194.49 |
| 40 05 19 00-3967 | EA | 36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 28,295.31 | 1,242.83 |
| 40 05 19 00-3968 | EA | 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 28,988.02 | 1,383.83 |
| 40 05 19 00-3969 | EA | 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 29,922.27 | 1,438.22 |
| 40 05 19 00-3970 | EA | 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 39,924.36 | 1,750.44 |
| 40 05 19 00-3971 | EA | 36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 43,580.57 | 1,913.60 |
| 40 05 19 00-3972 | EA | 42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 41,088.65 | 1,115.93 |
| 40 05 19 00-3973 | EA | 42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 41,226.70 | 1,168.30 |
| 40 05 19 00-3974 | EA | 42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 42,025.58 | 1,337.51 |
| 40 05 19 00-3975 | EA | 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 43,021.34 | 1,397.93 |
| 40 05 19 00-3976 | EA | 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 55,406.61 | 1,780.66 |
| 40 05 19 00-3977 | EA | 42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 75,398.17 | 1,980.07 |
| 40 05 19 00-3978 | EA | 48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 55,956.73 | 1,468.43 |
| 40 05 19 00-3979 | EA | 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 56,952.49 | 1,528.87 |
| 40 05 19 00-3980 | EA | 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross | 59,159.95 | 1,911.58 |

### 40 05 19 00-3981 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-2073)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-3982 | EA | 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 938.59 | 151.47 |
| 40 05 19 00-3983 | EA | 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,249.15 | 162.76 |
| 40 05 19 00-3984 | EA | 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,328.00 | 181.29 |
| 40 05 19 00-3985 | EA | 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,665.77 | 188.54 |
| 40 05 19 00-3986 | EA | 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,658.95 | 207.07 |
| 40 05 19 00-3987 | EA | 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 1,863.23 | 218.35 |
| 40 05 19 00-3988 | EA | 12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,125.93 | 202.24 |
| 40 05 19 00-3989 | EA | 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,158.77 | 220.77 |
| 40 05 19 00-3990 | EA | 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,310.70 | 232.05 |
| 40 05 19 00-3991 | EA | 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,511.56 | 257.83 |
| 40 05 19 00-3992 | EA | 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,615.27 | 232.05 |
| 40 05 19 00-3993 | EA | 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,817.96 | 243.33 |
| 40 05 19 00-3994 | EA | 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 3,015.66 | 269.11 |
| 40 05 19 00-3995 | EA | 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,928.54 | 282.81 |
| 40 05 19 00-3996 | EA | 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 3,106.57 | 266.29 |
| 40 05 19 00-3997 | EA | 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 2,961.85 | 277.57 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-3998 | EA | 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 3,199.20 | 303.36 |
| 40 05 19 00-3999 | EA | 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 3,581.04 | 316.65 |
| 40 05 19 00-4000 | EA | 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 4,028.63 | 328.34 |
| 40 05 19 00-4001 | EA | 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 3,759.18 | 313.83 |
| 40 05 19 00-4002 | EA | 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 4,029.86 | 339.62 |
| 40 05 19 00-4003 | EA | 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 3,991.30 | 352.91 |
| 40 05 19 00-4004 | EA | 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 4,481.72 | 364.59 |
| 40 05 19 00-4005 | EA | 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 4,436.84 | 398.84 |
| 40 05 19 00-4006 | EA | 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 4,580.69 | 370.23 |
| 40 05 19 00-4007 | EA | 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 4,867.22 | 396.01 |
| 40 05 19 00-4008 | EA | 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 4,750.95 | 409.31 |
| 40 05 19 00-4009 | EA | 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 5,354.00 | 420.99 |
| 40 05 19 00-4010 | EA | 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 5,036.27 | 455.23 |
| 40 05 19 00-4011 | EA | 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 6,009.69 | 491.49 |
| 40 05 19 00-4012 | EA | 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 6,635.39 | 432.27 |
| 40 05 19 00-4013 | EA | 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 7,171.08 | 445.57 |
| 40 05 19 00-4014 | EA | 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 7,322.04 | 457.25 |
| 40 05 19 00-4015 | EA | 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 6,549.03 | 491.49 |
| 40 05 19 00-4016 | EA | 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 7,689.01 | 527.75 |
| 40 05 19 00-4017 | EA | 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 8,076.74 | 521.92 |
| 40 05 19 00-4018 | EA | 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 10,979.93 | 592.21 |
| 40 05 19 00-4019 | EA | 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 11,356.89 | 628.47 |
| 40 05 19 00-4020 | EA | 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 12,081.64 | 684.86 |
| 40 05 19 00-4021 | EA | 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 13,199.40 | 721.12 |
| 40 05 19 00-4022 | EA | 36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 15,554.80 | 646.59 |
| 40 05 19 00-4023 | EA | 36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 15,777.89 | 682.85 |
| 40 05 19 00-4024 | EA | 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 16,754.85 | 739.26 |
| 40 05 19 00-4025 | EA | 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 17,629.92 | 775.51 |
| 40 05 19 00-4026 | EA | 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 20,022.40 | 876.22 |
| 40 05 19 00-4027 | EA | 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 24,434.42 | 841.99 |
| 40 05 19 00-4028 | EA | 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 27,313.91 | 942.70 |
| 40 05 19 00-4029 | EA | 42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 30,632.39 | 997.09 |
| 40 05 19 00-4030 | EA | 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 32,364.53 | 972.91 |
| 40 05 19 00-4031 | EA | 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 34,284.28 | 1,073.63 |
| 40 05 19 00-4032 | EA | 48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 38,058.05 | 1,128.01 |
| 40 05 19 00-4033 | EA | 48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer | 42,362.51 | 1,194.49 |

## 40 05 19 00-4034 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-2073)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-4035 | EA | 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,003.63 | 151.47 |
| 40 05 19 00-4036 | EA | 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,323.71 | 162.76 |
| 40 05 19 00-4037 | EA | 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,442.21 | 181.29 |
| 40 05 19 00-4038 | EA | 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,665.77 | 188.54 |
| 40 05 19 00-4039 | EA | 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,738.27 | 207.07 |
| 40 05 19 00-4040 | EA | 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 1,939.37 | 218.35 |
| 40 05 19 00-4041 | EA | 12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,125.93 | 202.24 |
| 40 05 19 00-4042 | EA | 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,247.60 | 220.77 |
| 40 05 19 00-4043 | EA | 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,402.70 | 232.05 |
| 40 05 19 00-4044 | EA | 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,671.78 | 257.83 |
| 40 05 19 00-4045 | EA | 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,615.27 | 232.05 |
| 40 05 19 00-4046 | EA | 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,770.37 | 243.33 |
| 40 05 19 00-4047 | EA | 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 2,993.45 | 269.11 |
| 40 05 19 00-4048 | EA | 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,337.81 | 282.81 |
| 40 05 19 00-4049 | EA | 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,106.57 | 266.29 |
| 40 05 19 00-4050 | EA | 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,306.09 | 277.57 |
| 40 05 19 00-4051 | EA | 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,578.34 | 303.36 |
| 40 05 19 00-4052 | EA | 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,874.50 | 316.65 |
| 40 05 19 00-4053 | EA | 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 4,028.63 | 328.34 |
| 40 05 19 00-4054 | EA | 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 3,759.18 | 313.83 |
| 40 05 19 00-4055 | EA | 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 4,029.86 | 339.62 |
| 40 05 19 00-4056 | EA | 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 4,324.43 | 352.91 |
| 40 05 19 00-4057 | EA | 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 4,481.72 | 364.59 |
| 40 05 19 00-4058 | EA | 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 4,809.62 | 398.84 |
| 40 05 19 00-4059 | EA | 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 4,828.16 | 370.23 |
| 40 05 19 00-4060 | EA | 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 5,041.72 | 396.01 |
| 40 05 19 00-4061 | EA | 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 5,236.36 | 409.31 |
| 40 05 19 00-4062 | EA | 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 5,354.00 | 420.99 |
| 40 05 19 00-4063 | EA | 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 5,751.70 | 455.23 |
| 40 05 19 00-4064 | EA | 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 6,004.93 | 491.49 |
| 40 05 19 00-4065 | EA | 24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 6,815.24 | 406.49 |
| 40 05 19 00-4066 | EA | 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 6,749.60 | 432.27 |
| 40 05 19 00-4067 | EA | 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 6,869.68 | 445.57 |
| 40 05 19 00-4068 | EA | 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 6,985.74 | 457.25 |
| 40 05 19 00-4069 | EA | 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 7,385.03 | 491.49 |
| 40 05 19 00-4070 | EA | 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 7,689.01 | 527.75 |
| 40 05 19 00-4071 | EA | 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 8,076.74 | 521.92 |
| 40 05 19 00-4072 | EA | 30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 13,556.58 | 557.97 |
| 40 05 19 00-4073 | EA | 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 12,632.88 | 592.21 |
| 40 05 19 00-4074 | EA | 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 11,409.24 | 628.47 |
| 40 05 19 00-4075 | EA | 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 12,081.64 | 684.86 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-4076 | EA | 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 13,199.40 | 721.12 |
| 40 05 19 00-4077 | EA | 36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 14,628.39 | 646.59 |
| 40 05 19 00-4078 | EA | 36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 15,232.19 | 682.85 |
| 40 05 19 00-4079 | EA | 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 16,115.56 | 739.26 |
| 40 05 19 00-4080 | EA | 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 17,574.40 | 775.51 |
| 40 05 19 00-4081 | EA | 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 20,303.18 | 876.22 |
| 40 05 19 00-4082 | EA | 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 24,434.42 | 841.99 |
| 40 05 19 00-4083 | EA | 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 27,313.91 | 942.70 |
| 40 05 19 00-4084 | EA | 42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 30,632.39 | 997.09 |
| 40 05 19 00-4085 | EA | 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 34,284.28 | 1,073.63 |
| 40 05 19 00-4086 | EA | 48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 38,058.05 | 1,128.01 |
| 40 05 19 00-4087 | EA | 48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer | 42,362.51 | 1,194.49 |

## 40 05 19 00-4088 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-2073)*

| | | | | |
|---|---|---|---|---|
| 40 05 19 00-4089 | EA | 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 464.83 | 52.37 |
| 40 05 19 00-4090 | EA | 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 707.31 | 77.34 |
| 40 05 19 00-4091 | EA | 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 945.02 | 91.85 |
| 40 05 19 00-4092 | EA | 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 1,375.90 | 107.16 |
| 40 05 19 00-4093 | EA | 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 1,824.36 | 125.70 |
| 40 05 19 00-4094 | EA | 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 2,515.39 | 141.00 |
| 40 05 19 00-4095 | EA | 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 3,039.26 | 161.14 |
| 40 05 19 00-4096 | EA | 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 4,090.29 | 225.60 |
| 40 05 19 00-4097 | EA | 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 5,492.40 | 282.01 |
| 40 05 19 00-4098 | EA | 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 8,055.45 | 342.43 |
| 40 05 19 00-4099 | EA | 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 11,681.56 | 398.84 |
| 40 05 19 00-4100 | EA | 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 21,922.03 | 439.12 |
| 40 05 19 00-4101 | EA | 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 31,440.46 | 483.44 |
| 40 05 19 00-4102 | EA | 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange | 41,919.25 | 543.87 |

## 40 05 19 00-4103 Ductile Iron Bolt Packs *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

| | | | |
|---|---|---|---|
| 40 05 19 00-4104 | EA | 4" Pipe Diameter, Ductile Iron Flange Bolt Pack | 44.25 |
| | | Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut. | |
| | | *For Zinc Plated, Add* | *12.39* |
| | | *For Hot Dip Galvanized, Add* | *17.70* |
| 40 05 19 00-4105 | EA | 6" Pipe Diameter, Ductile Iron Flange Bolt Pack | 68.27 |
| | | Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut. | |
| | | *For Zinc Plated, Add* | *19.12* |
| | | *For Hot Dip Galvanized, Add* | *27.31* |
| 40 05 19 00-4106 | EA | 8" Pipe Diameter, Ductile Iron Flange Bolt Pack | 74.13 |
| | | Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut. | |
| | | *For Zinc Plated, Add* | *20.76* |
| | | *For Hot Dip Galvanized, Add* | *29.65* |
| 40 05 19 00-4107 | EA | 10" Pipe Diameter, Ductile Iron Flange Bolt Pack | 166.52 |
| | | Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut. | |
| | | *For Zinc Plated, Add* | *46.63* |
| | | *For Hot Dip Galvanized, Add* | *66.61* |
| 40 05 19 00-4108 | EA | 12" Pipe Diameter, Ductile Iron Flange Bolt Pack | 167.98 |
| | | Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut. | |
| | | *For Zinc Plated, Add* | *47.03* |
| | | *For Hot Dip Galvanized, Add* | *67.19* |
| 40 05 19 00-4109 | EA | 14" Pipe Diameter, Ductile Iron Flange Bolt Pack | 188.20 |
| | | Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut. | |
| | | *For Zinc Plated, Add* | *52.70* |
| | | *For Hot Dip Galvanized, Add* | *75.28* |
| 40 05 19 00-4110 | EA | 16" Pipe Diameter, Ductile Iron Flange Bolt Pack | 316.39 |
| | | Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut. | |
| | | *For Zinc Plated, Add* | *88.59* |
| | | *For Hot Dip Galvanized, Add* | *126.56* |
| 40 05 19 00-4111 | EA | 18" Pipe Diameter, Ductile Iron Flange Bolt Pack | 459.63 |
| | | Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut. | |
| | | *For Zinc Plated, Add* | *128.70* |
| | | *For Hot Dip Galvanized, Add* | *183.85* |
| 40 05 19 00-4112 | EA | 20" Pipe Diameter, Ductile Iron Flange Bolt Pack | 580.34 |
| | | Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut. | |
| | | *For Zinc Plated, Add* | *162.50* |
| | | *For Hot Dip Galvanized, Add* | *232.14* |
| 40 05 19 00-4113 | EA | 24" Pipe Diameter, Ductile Iron Flange Bolt Pack | 830.36 |
| | | Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut. | |
| | | *For Zinc Plated, Add* | *232.50* |
| | | *For Hot Dip Galvanized, Add* | *332.14* |
| 40 05 19 00-4114 | EA | 30" Pipe Diameter, Ductile Iron Flange Bolt Pack | 1,312.09 |
| | | Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut. | |
| | | *For Zinc Plated, Add* | *367.39* |
| | | *For Hot Dip Galvanized, Add* | *524.84* |
| 40 05 19 00-4115 | EA | 36" Pipe Diameter, Ductile Iron Flange Bolt Pack | 1,871.73 |
| | | Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut. | |
| | | *For Zinc Plated, Add* | *524.08* |
| | | *For Hot Dip Galvanized, Add* | *748.69* |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-4116 | EA | 42" Pipe Diameter, Ductile Iron Flange Bolt Pack<br>Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut. | 2,407.93 | |
| | | *For Zinc Plated, Add* | *674.22* | |
| | | *For Hot Dip Galvanized, Add* | *963.17* | |
| 40 05 19 00-4117 | EA | 48" Pipe Diameter, Ductile Iron Flange Bolt Pack<br>Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut. | 2,943.02 | |
| | | *For Zinc Plated, Add* | *824.05* | |
| | | *For Hot Dip Galvanized, Add* | *1,177.21* | |

## 40 05 19 00-4118 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

## 40 05 19 00-4119 Full Face Flange Styrene Butadiene (SBR) Gaskets *(40 05 19 00-4118)*

| | | | |
|---|---|---|---|
| 40 05 19 00-4120 | EA | 4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 8.24 |
| 40 05 19 00-4121 | EA | 6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 10.48 |
| 40 05 19 00-4122 | EA | 8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 14.23 |
| 40 05 19 00-4123 | EA | 10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 16.47 |
| 40 05 19 00-4124 | EA | 12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 17.97 |
| 40 05 19 00-4125 | EA | 14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 29.95 |
| 40 05 19 00-4126 | EA | 16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 36.69 |
| 40 05 19 00-4127 | EA | 18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 38.94 |
| 40 05 19 00-4128 | EA | 20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 59.90 |
| 40 05 19 00-4129 | EA | 24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 64.39 |
| 40 05 19 00-4130 | EA | 30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 83.11 |
| 40 05 19 00-4131 | EA | 36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 95.09 |
| 40 05 19 00-4132 | EA | 42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 101.83 |
| 40 05 19 00-4133 | EA | 48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick | 111.56 |

## 40 05 19 00-4134 Full Face Flange Nitrile Buna-N (NBR) Gaskets *(40 05 19 00-4118)*

Note: (Acrylonitrile Butadiene)

| | | | |
|---|---|---|---|
| 40 05 19 00-4135 | EA | 4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 25.46 |
| 40 05 19 00-4136 | EA | 6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 35.94 |
| 40 05 19 00-4137 | EA | 8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 55.41 |
| 40 05 19 00-4138 | EA | 10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 60.65 |
| 40 05 19 00-4139 | EA | 12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 65.14 |
| 40 05 19 00-4140 | EA | 14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 122.80 |
| 40 05 19 00-4141 | EA | 16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 151.25 |
| 40 05 19 00-4142 | EA | 18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 152.00 |
| 40 05 19 00-4143 | EA | 20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 157.99 |
| 40 05 19 00-4144 | EA | 24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 166.97 |
| 40 05 19 00-4145 | EA | 30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 184.94 |
| 40 05 19 00-4146 | EA | 36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 203.66 |
| 40 05 19 00-4147 | EA | 42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 289.77 |
| 40 05 19 00-4148 | EA | 48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick | 316.72 |

## 40 05 19 00-4149 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets *(40 05 19 00-4118)*

| | | | |
|---|---|---|---|
| 40 05 19 00-4150 | EA | 4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 22.46 |
| 40 05 19 00-4151 | EA | 6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 29.20 |
| 40 05 19 00-4152 | EA | 8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 39.68 |
| 40 05 19 00-4153 | EA | 10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 46.42 |
| 40 05 19 00-4154 | EA | 12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 51.66 |
| 40 05 19 00-4155 | EA | 14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 85.36 |
| 40 05 19 00-4156 | EA | 16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 102.58 |
| 40 05 19 00-4157 | EA | 18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 103.33 |
| 40 05 19 00-4158 | EA | 20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 105.57 |
| 40 05 19 00-4159 | EA | 24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 122.80 |
| 40 05 19 00-4160 | EA | 30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 150.50 |
| 40 05 19 00-4161 | EA | 36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 171.46 |
| 40 05 19 00-4162 | EA | 42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 245.59 |
| 40 05 19 00-4163 | EA | 48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick | 271.05 |

## 40 05 19 00-4164 Full Face Flange Neoprene Gaskets *(40 05 19 00-4118)*

Note: (Polychloroprene)

| | | | |
|---|---|---|---|
| 40 05 19 00-4165 | EA | 4" Full Face Flange Neoprene Gasket, 1/8" Thick | 26.21 |
| 40 05 19 00-4166 | EA | 6" Full Face Flange Neoprene Gasket, 1/8" Thick | 36.69 |
| 40 05 19 00-4167 | EA | 8" Full Face Flange Neoprene Gasket, 1/8" Thick | 56.16 |
| 40 05 19 00-4168 | EA | 10" Full Face Flange Neoprene Gasket, 1/8" Thick | 60.65 |
| 40 05 19 00-4169 | EA | 12" Full Face Flange Neoprene Gasket, 1/8" Thick | 65.14 |
| 40 05 19 00-4170 | EA | 14" Full Face Flange Neoprene Gasket, 1/8" Thick | 86.86 |
| 40 05 19 00-4171 | EA | 16" Full Face Flange Neoprene Gasket, 1/8" Thick | 152.74 |
| 40 05 19 00-4172 | EA | 18" Full Face Flange Neoprene Gasket, 1/8" Thick | 153.49 |
| 40 05 19 00-4173 | EA | 20" Full Face Flange Neoprene Gasket, 1/8" Thick | 162.48 |
| 40 05 19 00-4174 | EA | 24" Full Face Flange Neoprene Gasket, 1/8" Thick | 164.72 |
| 40 05 19 00-4175 | EA | 30" Full Face Flange Neoprene Gasket, 1/8" Thick | 178.95 |
| 40 05 19 00-4176 | EA | 36" Full Face Flange Neoprene Gasket, 1/8" Thick | 201.41 |
| 40 05 19 00-4177 | EA | 42" Full Face Flange Neoprene Gasket, 1/8" Thick | 292.01 |
| 40 05 19 00-4178 | EA | 48" Full Face Flange Neoprene Gasket, 1/8" Thick | 319.72 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 19 00-4179 | | Full Face Flange FKM Gaskets *(40 05 19 00-4118)* | | |
| | | Note: (Fluoroelastomer Fluorel Viton®) | | |
| 40 05 19 00-4180 | EA | 4" Full Face Flange FKM Gasket, 1/8" Thick | 131.67 | |
| 40 05 19 00-4181 | EA | 6" Full Face Flange FKM Gasket, 1/8" Thick | 196.04 | |
| 40 05 19 00-4182 | EA | 8" Full Face Flange FKM Gasket, 1/8" Thick | 261.87 | |
| 40 05 19 00-4183 | EA | 10" Full Face Flange FKM Gasket, 1/8" Thick | 316.00 | |
| 40 05 19 00-4184 | EA | 12" Full Face Flange FKM Gasket, 1/8" Thick | 411.09 | |
| 40 05 19 00-4185 | EA | 14" Full Face Flange FKM Gasket, 1/8" Thick | 751.96 | |
| 40 05 19 00-4186 | EA | 16" Full Face Flange FKM Gasket, 1/8" Thick | 861.68 | |
| 40 05 19 00-4187 | EA | 18" Full Face Flange FKM Gasket, 1/8" Thick | 902.64 | |
| 40 05 19 00-4188 | EA | 20" Full Face Flange FKM Gasket, 1/8" Thick | 962.62 | |
| 40 05 19 00-4189 | EA | 24" Full Face Flange FKM Gasket, 1/8" Thick | 1,331.28 | |
| 40 05 19 00-4190 | EA | 30" Full Face Flange FKM Gasket, 1/8" Thick | 1,596.08 | |
| 40 05 19 00-4191 | EA | 36" Full Face Flange FKM Gasket, 1/8" Thick | 1,683.86 | |
| 40 05 19 00-4192 | EA | 42" Full Face Flange FKM Gasket, 1/8" Thick | 2,099.33 | |
| 40 05 19 00-4193 | EA | 48" Full Face Flange FKM Gasket, 1/8" Thick | 2,200.28 | |
| 40 05 19 00-4194 | | Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) *(40 05 19)* | | |
| 40 05 19 00-4195 | EA | 4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 416.10 | 77.78 |
| 40 05 19 00-4196 | EA | 6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 577.64 | 94.94 |
| 40 05 19 00-4197 | EA | 8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 855.85 | 115.80 |
| 40 05 19 00-4198 | EA | 10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 1,176.02 | 141.26 |
| 40 05 19 00-4199 | EA | 12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 1,493.25 | 172.26 |
| 40 05 19 00-4200 | EA | 14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 2,401.22 | 210.17 |
| 40 05 19 00-4201 | EA | 16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 3,778.69 | 256.48 |
| 40 05 19 00-4202 | EA | 18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 3,900.05 | 312.83 |
| 40 05 19 00-4203 | EA | 20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 4,778.25 | 381.72 |
| 40 05 19 00-4204 | EA | 24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 5,322.61 | 465.61 |
| 40 05 19 00-4205 | EA | 30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 6,860.77 | 568.16 |
| 40 05 19 00-4206 | EA | 36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 10,204.38 | 693.06 |
| 40 05 19 00-4207 | EA | 42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 26,633.65 | 845.60 |
| 40 05 19 00-4208 | EA | 48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) | 34,021.26 | 1,031.57 |
| 40 05 19 00-4209 | | Stainless Steel Band, Casing Spacer Isolators *(40 05 19)* | | |
| 40 05 19 00-4210 | EA | 8" x 16", 14 Gauge, Stainless Steel Band, Casing Spacer Isolator | 186.80 | |

## 40 05 23 Stainless Steel Process Pipe and Tubing *(40 05)*

### 40 05 23 23 300- and 400-Series Stainless Steel Process Pipe *(40 05 23)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0001 | | Schedule 40 Pipe, Type 304, With 150 Lb. Screwed Fittings Assembly *(40 05 23 23)* | | |
| | | Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available. | | |
| 40 05 23 23-0002 | LF | 1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly | 32.33 | 9.59 |
| | | Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | | |
| | | *For Type 316, Add* | *3.39* | |
| | | *For Work In Restricted Working Space, Add* | *5.78* | |
| 40 05 23 23-0003 | LF | 3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly | 36.59 | 11.00 |
| | | Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | | |
| | | *For Type 316, Add* | *3.56* | |
| | | *For Work In Restricted Working Space, Add* | *6.87* | |
| 40 05 23 23-0004 | LF | 1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly | 42.61 | 12.40 |
| | | Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | | |
| | | *For Type 316, Add* | *4.17* | |
| | | *For Work In Restricted Working Space, Add* | *7.97* | |
| 40 05 23 23-0005 | LF | 1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly | 48.86 | 14.98 |
| | | Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | | |
| | | *For Type 316, Add* | *5.26* | |
| | | *For Work In Restricted Working Space, Add* | *8.59* | |
| 40 05 23 23-0006 | LF | 1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly | 53.86 | 15.41 |
| | | Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | | |
| | | *For Type 316, Add* | *6.03* | |
| | | *For Work In Restricted Working Space, Add* | *9.20* | |
| 40 05 23 23-0007 | LF | 2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly | 65.23 | 20.37 |
| | | Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | | |
| | | *For Type 316, Add* | *7.35* | |
| | | *For Work In Restricted Working Space, Add* | *11.09* | |
| 40 05 23 23-0008 | LF | 2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly | 94.39 | 25.11 |
| | | Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | | |
| | | *For Type 316, Add* | *12.64* | |
| | | *For Work In Restricted Working Space, Add* | *13.74* | |
| 40 05 23 23-0009 | LF | 3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly | 119.32 | 29.10 |
| | | Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | | |
| | | *For Type 316, Add* | *16.46* | |
| | | *For Work In Restricted Working Space, Add* | *16.81* | |
| 40 05 23 23-0010 | LF | 4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly | 162.23 | 29.10 |
| | | Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. | | |
| | | *For Work In Restricted Working Space, Add* | *21.32* | |

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 40 05 23 23-0011 | | Stainless Steel Tubing And Fittings *(40 05 23 23)* | | | |
| 40 05 23 23-0012 | | Type 304 Tubing *(40 05 23 23-0011)* | | | |
| 40 05 23 23-0013 | | 0.035" Wall *(40 05 23 23-0012)* | | | |
| 40 05 23 23-0014 | LF | 1/4", 0.035" Wall, Type 304, Stainless Steel Tubing | | 8.64 | 3.16 |
| | | *For Work In Restricted Working Space, Add* | | *1.88* | |
| 40 05 23 23-0015 | LF | 3/8", 0.035" Wall, Type 304, Stainless Steel Tubing | | 10.00 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | | *2.26* | |
| 40 05 23 23-0016 | LF | 1/2", 0.035" Wall, Type 304, Stainless Steel Tubing | | 11.96 | 4.45 |
| | | *For Work In Restricted Working Space, Add* | | *2.64* | |
| 40 05 23 23-0017 | LF | 5/8", 0.035" Wall, Type 304, Stainless Steel Tubing | | 19.68 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | | *3.02* | |
| 40 05 23 23-0018 | LF | 3/4", 0.035" Wall, Type 304, Stainless Steel Tubing | | 23.36 | 5.62 |
| | | *For Work In Restricted Working Space, Add* | | *3.39* | |
| 40 05 23 23-0019 | LF | 7/8", 0.035" Wall, Type 304, Stainless Steel Tubing | | 25.85 | 6.33 |
| | | *For Work In Restricted Working Space, Add* | | *3.78* | |
| 40 05 23 23-0020 | LF | 1", 0.035" Wall, Type 304, Stainless Steel Tubing | | 28.84 | 7.61 |
| | | *For Work In Restricted Working Space, Add* | | *4.53* | |
| 40 05 23 23-0021 | | 0.049" Wall *(40 05 23 23-0012)* | | | |
| 40 05 23 23-0022 | LF | 1/4", 0.049" Wall, Type 304, Stainless Steel Tubing | | 14.53 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | | *2.26* | |
| 40 05 23 23-0023 | LF | 3/8", 0.049" Wall, Type 304, Stainless Steel Tubing | | 16.16 | 4.45 |
| | | *For Work In Restricted Working Space, Add* | | *2.64* | |
| 40 05 23 23-0024 | LF | 1/2", 0.049" Wall, Type 304, Stainless Steel Tubing | | 19.47 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | | *3.02* | |
| 40 05 23 23-0025 | LF | 5/8", 0.049" Wall, Type 304, Stainless Steel Tubing | | 24.64 | 6.33 |
| | | *For Work In Restricted Working Space, Add* | | *3.78* | |
| 40 05 23 23-0026 | LF | 3/4", 0.049" Wall, Type 304, Stainless Steel Tubing | | 28.15 | 7.61 |
| | | *For Work In Restricted Working Space, Add* | | *4.53* | |
| 40 05 23 23-0027 | LF | 7/8", 0.049" Wall, Type 304, Stainless Steel Tubing | | 31.60 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | | *5.28* | |
| 40 05 23 23-0028 | LF | 1", 0.049" Wall, Type 304, Stainless Steel Tubing | | 36.47 | 9.95 |
| | | *For Work In Restricted Working Space, Add* | | *6.00* | |
| 40 05 23 23-0029 | | 0.065" Wall *(40 05 23 23-0012)* | | | |
| 40 05 23 23-0030 | LF | 1/4", 0.065" Wall, Type 304, Stainless Steel Tubing | | 16.95 | 4.45 |
| | | *For Work In Restricted Working Space, Add* | | *2.64* | |
| 40 05 23 23-0031 | LF | 3/8", 0.065" Wall, Type 304, Stainless Steel Tubing | | 19.52 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | | *3.02* | |
| 40 05 23 23-0032 | LF | 1/2", 0.065" Wall, Type 304, Stainless Steel Tubing | | 24.06 | 6.33 |
| | | *For Work In Restricted Working Space, Add* | | *3.78* | |
| 40 05 23 23-0033 | LF | 5/8", 0.065" Wall, Type 304, Stainless Steel Tubing | | 28.26 | 7.61 |
| | | *For Work In Restricted Working Space, Add* | | *4.53* | |
| 40 05 23 23-0034 | LF | 3/4", 0.065" Wall, Type 304, Stainless Steel Tubing | | 33.34 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | | *5.28* | |
| 40 05 23 23-0035 | LF | 7/8", 0.065" Wall, Type 304, Stainless Steel Tubing | | 38.31 | 9.95 |
| | | *For Work In Restricted Working Space, Add* | | *6.00* | |
| 40 05 23 23-0036 | LF | 1", 0.065" Wall, Type 304, Stainless Steel Tubing | | 43.19 | 11.24 |
| | | *For Work In Restricted Working Space, Add* | | *6.76* | |
| 40 05 23 23-0037 | | Type 304 Tube Fittings *(40 05 23 23-0011)* | | | |
| 40 05 23 23-0038 | | 90 Degree Elbows *(40 05 23 23-0037)* | | | |
| 40 05 23 23-0039 | EA | 1/4", Type 304, Stainless Steel, 90 Degree Elbow | | 54.92 | 12.65 |
| | | *For Work In Restricted Working Space, Add* | | *7.55* | |
| 40 05 23 23-0040 | EA | 3/8", Type 304, Stainless Steel, 90 Degree Elbow | | 65.06 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | | *8.27* | |
| 40 05 23 23-0041 | EA | 1/2", Type 304, Stainless Steel, 90 Degree Elbow | | 98.47 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | | *9.37* | |
| 40 05 23 23-0042 | EA | 5/8", Type 304, Stainless Steel, 90 Degree Elbow | | 105.12 | 17.44 |
| | | *For Work In Restricted Working Space, Add* | | *10.49* | |
| 40 05 23 23-0043 | EA | 3/4", Type 304, Stainless Steel, 90 Degree Elbow | | 117.63 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | | *11.33* | |
| 40 05 23 23-0044 | EA | 7/8", Type 304, Stainless Steel, 90 Degree Elbow | | 161.12 | 20.96 |
| | | *For Work In Restricted Working Space, Add* | | *12.55* | |
| 40 05 23 23-0045 | EA | 1", Type 304, Stainless Steel, 90 Degree Elbow | | 205.34 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | | *14.95* | |
| 40 05 23 23-0046 | | Union Tees *(40 05 23 23-0037)* | | | |
| 40 05 23 23-0047 | EA | 1/4", Type 304, Stainless Steel, Union Tee | | 87.24 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | | *11.33* | |
| 40 05 23 23-0048 | EA | 3/8", Type 304, Stainless Steel, Union Tee | | 106.00 | 20.96 |
| | | *For Work In Restricted Working Space, Add* | | *12.55* | |
| 40 05 23 23-0049 | EA | 1/2", Type 304, Stainless Steel, Union Tee | | 145.30 | 23.42 |
| | | *For Work In Restricted Working Space, Add* | | *14.06* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0050 | EA | 5/8", Type 304, Stainless Steel, Union Tee | 156.21 | 26.58 |
| | | *For Work In Restricted Working Space, Add* | *15.97* | |
| 40 05 23 23-0051 | EA | 3/4", Type 304, Stainless Steel, Union Tee | 200.03 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0052 | EA | 7/8", Type 304, Stainless Steel, Union Tee | 319.04 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0053 | EA | 1", Type 304, Stainless Steel, Union Tee | 382.37 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| **40 05 23 23-0054** | | **Unions** *(40 05 23 23-0037)* | | |
| 40 05 23 23-0055 | EA | 1/4", Type 304, Stainless Steel, Union | 83.30 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0056 | EA | 3/8", Type 304, Stainless Steel, Union | 108.21 | 20.96 |
| | | *For Work In Restricted Working Space, Add* | *12.55* | |
| 40 05 23 23-0057 | EA | 1/2", Type 304, Stainless Steel, Union | 146.76 | 23.42 |
| | | *For Work In Restricted Working Space, Add* | *14.06* | |
| 40 05 23 23-0058 | EA | 5/8", Type 304, Stainless Steel, Union | 179.06 | 26.58 |
| | | *For Work In Restricted Working Space, Add* | *15.97* | |
| 40 05 23 23-0059 | EA | 3/4", Type 304, Stainless Steel, Union | 213.94 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0060 | EA | 7/8", Type 304, Stainless Steel, Union | 330.14 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0061 | EA | 1", Type 304, Stainless Steel, Union | 350.93 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| **40 05 23 23-0062** | | **Male Connectors** *(40 05 23 23-0037)* | | |
| 40 05 23 23-0063 | EA | 1/4" x 1/4", Type 304, Stainless Steel, Male Connection | 40.84 | 12.65 |
| | | *For Work In Restricted Working Space, Add* | *7.55* | |
| 40 05 23 23-0064 | EA | 3/8" x 3/8", Type 304, Stainless Steel, Male Connection | 51.21 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *8.27* | |
| 40 05 23 23-0065 | EA | 1/2" x 1/2", Type 304, Stainless Steel, Male Connection | 66.61 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *9.37* | |
| 40 05 23 23-0066 | EA | 5/8" x 5/8" Male Connection, Stainless Steel Type 304 | 75.08 | 17.44 |
| | | *For Work In Restricted Working Space, Add* | *10.49* | |
| 40 05 23 23-0067 | EA | 3/4" x 3/4", Type 304, Stainless Steel, Male Connection | 90.93 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0068 | EA | 7/8" x 7/8", Type 304, Stainless Steel, Male Connection | 137.71 | 20.96 |
| | | *For Work In Restricted Working Space, Add* | *12.55* | |
| 40 05 23 23-0069 | EA | 1" x 1", Type 304, Stainless Steel, Male Connection | 143.93 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| **40 05 23 23-0070** | | **Type 304 Valves** *(40 05 23 23-0011)* | | |
| **40 05 23 23-0071** | | **Gate Valves** *(40 05 23 23-0070)* | | |
| 40 05 23 23-0072 | EA | 1/4" Gate Valve, Stainless Steel Type 304 | 231.46 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 40 05 23 23-0073 | EA | 3/8" Gate Valve, Stainless Steel Type 304 | 391.76 | 22.13 |
| | | *For Work In Restricted Working Space, Add* | *10.77* | |
| 40 05 23 23-0074 | EA | 1/2" Gate Valve, Stainless Steel Type 304 | 405.70 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0075 | EA | 3/4" Gate Valve, Stainless Steel Type 304 | 449.58 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0076 | EA | 1" Gate Valve, Stainless Steel Type 304 | 410.83 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| **40 05 23 23-0077** | | **Globe Valves** *(40 05 23 23-0070)* | | |
| 40 05 23 23-0078 | EA | 1/4" Globe Valve, Stainless Steel Type 304 | 234.69 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 40 05 23 23-0079 | EA | 3/8" Globe Valve, Stainless Steel Type 304 | 153.95 | 22.13 |
| | | *For Work In Restricted Working Space, Add* | *10.77* | |
| 40 05 23 23-0080 | EA | 1/2" Globe Valve, Stainless Steel Type 304 | 277.79 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0081 | EA | 3/4" Globe Valve, Stainless Steel Type 304 | 309.10 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0082 | EA | 1" Globe Valve, Stainless Steel Type 304 | 451.54 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| **40 05 23 23-0083** | | **Check Valves** *(40 05 23 23-0070)* | | |
| 40 05 23 23-0084 | EA | 1/4" Check Valve, Stainless Steel Type 304 | 329.72 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 40 05 23 23-0085 | EA | 3/8" Check Valve, Stainless Steel Type 304 | 331.51 | 22.13 |
| | | *For Work In Restricted Working Space, Add* | *10.77* | |
| 40 05 23 23-0086 | EA | 1/2" Check Valve, Stainless Steel Type 304 | 215.07 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0087 | EA | 3/4" Check Valve, Stainless Steel Type 304 | 224.76 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0088 | EA | 1" Check Valve, Stainless Steel Type 304 | 247.98 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 40 05 23 23-0089 | | Plug Valves *(40 05 23 23-0070)* | | | |
| 40 05 23 23-0090 | EA | 1/2" Plug Valve, Stainless Steel Type 304 | | 510.22 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | | *14.95* | |
| 40 05 23 23-0091 | EA | 3/4" Plug Valve, Stainless Steel Type 304 | | 558.43 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | | *17.14* | |
| 40 05 23 23-0092 | EA | 1" Plug Valve, Stainless Steel Type 304 | | 631.42 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | | *22.67* | |
| 40 05 23 23-0093 | EA | 1-1/2" Plug Valve, Stainless Steel Type 304 | | 878.54 | 42.75 |
| | | *For Work In Restricted Working Space, Add* | | *25.64* | |
| 40 05 23 23-0094 | EA | 2" Plug Valve, Stainless Steel Type 304 | | 1,143.57 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | | *35.13* | |
| 40 05 23 23-0095 | | Type 316 Tubing *(40 05 23 23-0011)* | | | |
| 40 05 23 23-0096 | | 0.035" Wall *(40 05 23 23-0095)* | | | |
| 40 05 23 23-0097 | LF | 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall | | 9.00 | 3.16 |
| | | *For Work In Restricted Working Space, Add* | | *1.88* | |
| 40 05 23 23-0098 | LF | 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall | | 11.76 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | | *2.26* | |
| 40 05 23 23-0099 | LF | 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall | | 13.03 | 4.45 |
| | | *For Work In Restricted Working Space, Add* | | *2.64* | |
| 40 05 23 23-0100 | LF | 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall | | 22.52 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | | *3.02* | |
| 40 05 23 23-0101 | LF | 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall | | 25.56 | 5.62 |
| | | *For Work In Restricted Working Space, Add* | | *3.39* | |
| 40 05 23 23-0102 | LF | 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall | | 32.63 | 6.33 |
| | | *For Work In Restricted Working Space, Add* | | *3.78* | |
| 40 05 23 23-0103 | LF | 1" Stainless Steel Tubing, Type 316, 0.035" Wall | | 34.09 | 7.61 |
| | | *For Work In Restricted Working Space, Add* | | *4.53* | |
| 40 05 23 23-0104 | | 0.049" Wall *(40 05 23 23-0095)* | | | |
| 40 05 23 23-0105 | LF | 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall | | 16.05 | 3.75 |
| | | *For Work In Restricted Working Space, Add* | | *2.26* | |
| 40 05 23 23-0106 | LF | 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall | | 17.76 | 4.45 |
| | | *For Work In Restricted Working Space, Add* | | *2.64* | |
| 40 05 23 23-0107 | LF | 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall | | 20.96 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | | *3.02* | |
| 40 05 23 23-0108 | LF | 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall | | 27.40 | 6.33 |
| | | *For Work In Restricted Working Space, Add* | | *3.78* | |
| 40 05 23 23-0109 | LF | 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall | | 31.59 | 7.61 |
| | | *For Work In Restricted Working Space, Add* | | *4.53* | |
| 40 05 23 23-0110 | LF | 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall | | 40.43 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | | *5.28* | |
| 40 05 23 23-0111 | LF | 1" Stainless Steel Tubing, Type 316, 0.049" Wall | | 41.11 | 9.95 |
| | | *For Work In Restricted Working Space, Add* | | *6.00* | |
| 40 05 23 23-0112 | | 0.065" Wall *(40 05 23 23-0095)* | | | |
| 40 05 23 23-0113 | LF | 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall | | 18.76 | 4.45 |
| | | *For Work In Restricted Working Space, Add* | | *2.64* | |
| 40 05 23 23-0114 | LF | 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall | | 20.90 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | | *3.02* | |
| 40 05 23 23-0115 | LF | 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall | | 26.23 | 6.33 |
| | | *For Work In Restricted Working Space, Add* | | *3.78* | |
| 40 05 23 23-0116 | LF | 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall | | 31.25 | 7.61 |
| | | *For Work In Restricted Working Space, Add* | | *4.53* | |
| 40 05 23 23-0117 | LF | 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall | | 37.93 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | | *5.28* | |
| 40 05 23 23-0118 | LF | 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall | | 41.72 | 9.95 |
| | | *For Work In Restricted Working Space, Add* | | *6.00* | |
| 40 05 23 23-0119 | LF | 1" Stainless Steel Tubing, Type 316, 0.065" Wall | | 48.68 | 11.24 |
| | | *For Work In Restricted Working Space, Add* | | *6.76* | |
| 40 05 23 23-0120 | | Type 316 Tube Fittings *(40 05 23 23-0011)* | | | |
| 40 05 23 23-0121 | | 90 Degree Elbows *(40 05 23 23-0120)* | | | |
| 40 05 23 23-0122 | EA | 1/4" 90 Degree Elbow, Stainless Steel Type 316 | | 76.40 | 12.65 |
| | | *For Work In Restricted Working Space, Add* | | *7.55* | |
| 40 05 23 23-0123 | EA | 3/8" 90 Degree Elbow, Stainless Steel Type 316 | | 92.14 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | | *8.27* | |
| 40 05 23 23-0124 | EA | 1/2" 90 Degree Elbow, Stainless Steel Type 316 | | 147.02 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | | *9.37* | |
| 40 05 23 23-0125 | EA | 5/8" 90 Degree Elbow, Stainless Steel Type 316 | | 155.77 | 17.44 |
| | | *For Work In Restricted Working Space, Add* | | *10.49* | |
| 40 05 23 23-0126 | EA | 3/4" 90 Degree Elbow, Stainless Steel Type 316 | | 175.28 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | | *11.33* | |
| 40 05 23 23-0127 | EA | 7/8" 90 Degree Elbow, Stainless Steel Type 316 | | 247.26 | 20.96 |
| | | *For Work In Restricted Working Space, Add* | | *12.55* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0128 | EA | 1" 90 Degree Elbow, Stainless Steel Type 316 | 317.62 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| **40 05 23 23-0129** | | **Union Tees** *(40 05 23 23-0120)* | | |
| 40 05 23 23-0130 | EA | 1/4" Union Tee, Stainless Steel Type 316 | 122.95 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0131 | EA | 3/8" Union Tee, Stainless Steel Type 316 | 152.33 | 20.96 |
| | | *For Work In Restricted Working Space, Add* | *12.55* | |
| 40 05 23 23-0132 | EA | 1/2" Union Tee, Stainless Steel Type 316 | 216.38 | 23.42 |
| | | *For Work In Restricted Working Space, Add* | *14.06* | |
| 40 05 23 23-0133 | EA | 5/8" Union Tee, Stainless Steel Type 316 | 230.55 | 26.58 |
| | | *For Work In Restricted Working Space, Add* | *15.97* | |
| 40 05 23 23-0134 | EA | 3/4" Union Tee, Stainless Steel Type 316 | 303.20 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0135 | EA | 7/8" Union Tee, Stainless Steel Type 316 | 503.68 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0136 | EA | 1" Union Tee, Stainless Steel Type 316 | 603.89 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| **40 05 23 23-0137** | | **Unions** *(40 05 23 23-0120)* | | |
| 40 05 23 23-0138 | EA | 1/4" Union, Stainless Steel Type 316 | 77.86 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0139 | EA | 3/8" Union, Stainless Steel Type 316 | 100.28 | 20.96 |
| | | *For Work In Restricted Working Space, Add* | *12.55* | |
| 40 05 23 23-0140 | EA | 1/2" Union, Stainless Steel Type 316 | 134.81 | 23.42 |
| | | *For Work In Restricted Working Space, Add* | *14.06* | |
| 40 05 23 23-0141 | EA | 5/8" Union, Stainless Steel Type 316 | 164.02 | 26.58 |
| | | *For Work In Restricted Working Space, Add* | *15.97* | |
| 40 05 23 23-0142 | EA | 3/4" Union, Stainless Steel Type 316 | 195.19 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0143 | EA | 7/8" Union, Stainless Steel Type 316 | 298.24 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0144 | EA | 1" Union, Stainless Steel Type 316 | 318.01 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| **40 05 23 23-0145** | | **Male Connectors** *(40 05 23 23-0120)* | | |
| 40 05 23 23-0146 | EA | 1/4" x 1/4" Male Connector, Stainless Steel Type 316 | 51.90 | 12.65 |
| | | *For Work In Restricted Working Space, Add* | *7.55* | |
| 40 05 23 23-0147 | EA | 3/8" x 3/8" Male Connector, Stainless Steel Type 316 | 67.92 | 13.82 |
| | | *For Work In Restricted Working Space, Add* | *8.27* | |
| 40 05 23 23-0148 | EA | 1/2" x 1/2" Male Connector, Stainless Steel Type 316 | 91.63 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *9.37* | |
| 40 05 23 23-0149 | EA | 5/8" x 5/8" Male Connector, Stainless Steel Type 316 | 103.44 | 17.44 |
| | | *For Work In Restricted Working Space, Add* | *10.49* | |
| 40 05 23 23-0150 | EA | 3/4" x 3/4" Male Connector, Stainless Steel Type 316 | 128.52 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0151 | EA | 7/8" x 7/8" Male Connector, Stainless Steel Type 316 | 205.50 | 20.96 |
| | | *For Work In Restricted Working Space, Add* | *12.55* | |
| 40 05 23 23-0152 | EA | 1" x 1" Male Connector, Stainless Steel Type 316 | 210.45 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| **40 05 23 23-0153** | | **Type 316 Valves** *(40 05 23 23-0011)* | | |
| **40 05 23 23-0154** | | **Gate Valves** *(40 05 23 23-0153)* | | |
| 40 05 23 23-0155 | EA | 1/4" Gate Valve, Stainless Steel Type 316 | 295.18 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 40 05 23 23-0156 | EA | 3/8" Gate Valve, Stainless Steel Type 316 | 506.66 | 22.13 |
| | | *For Work In Restricted Working Space, Add* | *10.77* | |
| 40 05 23 23-0157 | EA | 1/2" Gate Valve, Stainless Steel Type 316 | 520.60 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0158 | EA | 3/4" Gate Valve, Stainless Steel Type 316 | 576.30 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0159 | EA | 1" Gate Valve, Stainless Steel Type 316 | 519.08 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| 40 05 23 23-0160 | EA | 1-1/4" Gate Valve, Stainless Steel Type 316 | 715.90 | 39.23 |
| | | *For Work In Restricted Working Space, Add* | *23.54* | |
| 40 05 23 23-0161 | EA | 1-1/2" Gate Valve, Stainless Steel Type 316 | 1,154.69 | 42.75 |
| | | *For Work In Restricted Working Space, Add* | *25.64* | |
| 40 05 23 23-0162 | EA | 2" Gate Valve, Stainless Steel Type 316 | 1,371.65 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |
| 40 05 23 23-0163 | EA | 2-1/2" Gate Valve, Stainless Steel Type 316 | 2,014.31 | 187.48 |
| | | *For Work In Restricted Working Space, Add* | *112.45* | |
| **40 05 23 23-0164** | | **Globe Valves** *(40 05 23 23-0153)* | | |
| 40 05 23 23-0165 | EA | 1/4" Globe Valve, Stainless Steel Type 316 | 299.46 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 40 05 23 23-0166 | EA | 3/8" Globe Valve, Stainless Steel Type 316 | 192.08 | 22.13 |
| | | *For Work In Restricted Working Space, Add* | *10.77* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0167 | EA | 1/2" Globe Valve, Stainless Steel Type 316 | 351.40 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0168 | EA | 3/4" Globe Valve, Stainless Steel Type 316 | 390.46 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0169 | EA | 1" Globe Valve, Stainless Steel Type 316 | 572.93 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| 40 05 23 23-0170 | EA | 1-1/4" Globe Valve, Stainless Steel Type 316 | 717.38 | 39.00 |
| | | *For Work In Restricted Working Space, Add* | *23.36* | |
| 40 05 23 23-0171 | EA | 1-1/2" Globe Valve, Stainless Steel Type 316 | 1,197.46 | 42.75 |
| | | *For Work In Restricted Working Space, Add* | *25.64* | |
| 40 05 23 23-0172 | EA | 2" Globe Valve, Stainless Steel Type 316 | 1,414.42 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |
| 40 05 23 23-0173 | EA | 2-1/2" Globe Valve, Stainless Steel Type 316 | 1,743.44 | 187.48 |
| | | *For Work In Restricted Working Space, Add* | *112.45* | |

## 40 05 23 23-0174 Check Valves *(40 05 23 23-0153)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0175 | EA | 1/4" Check Valve, Stainless Steel Type 316 | 425.16 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *10.23* | |
| 40 05 23 23-0176 | EA | 3/8" Check Valve, Stainless Steel Type 316 | 426.95 | 22.13 |
| | | *For Work In Restricted Working Space, Add* | *10.77* | |
| 40 05 23 23-0177 | EA | 1/2" Check Valve, Stainless Steel Type 316 | 268.43 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0178 | EA | 3/4" Check Valve, Stainless Steel Type 316 | 278.88 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0179 | EA | 1" Check Valve, Stainless Steel Type 316 | 303.65 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| 40 05 23 23-0180 | EA | 1-1/4" Check Valve, Stainless Steel Type 316 | 423.18 | 39.23 |
| | | *For Work In Restricted Working Space, Add* | *23.54* | |
| 40 05 23 23-0181 | EA | 1-1/2" Check Valve, Stainless Steel Type 316 | 955.10 | 42.75 |
| | | *For Work In Restricted Working Space, Add* | *25.64* | |
| 40 05 23 23-0182 | EA | 2" Check Valve, Stainless Steel Type 316 | 1,157.81 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |
| 40 05 23 23-0183 | EA | 2-1/2" Check Valve, Stainless Steel Type 316 | 2,275.67 | 187.48 |
| | | *For Work In Restricted Working Space, Add* | *112.45* | |

## 40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined *(40 05 23 23-0153)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0185 | EA | 1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined | 455.11 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0186 | EA | 3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined | 531.79 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0187 | EA | 1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined | 677.91 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| 40 05 23 23-0188 | EA | 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined | 1,084.78 | 42.75 |
| | | *For Work In Restricted Working Space, Add* | *25.64* | |
| 40 05 23 23-0189 | EA | 2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined | 1,516.14 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |

## 40 05 23 23-0190 Diaphragm Valves, Teflon Lined *(40 05 23 23-0153)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0191 | EA | 1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined | 605.00 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0192 | EA | 3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined | 695.57 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0193 | EA | 1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined | 841.69 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| 40 05 23 23-0194 | EA | 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined | 1,315.17 | 42.75 |
| | | *For Work In Restricted Working Space, Add* | *25.64* | |
| 40 05 23 23-0195 | EA | 2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined | 1,790.94 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |

## 40 05 23 23-0196 Strainers *(40 05 23 23-0153)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0197 | EA | 1/2" Strainer, Stainless Steel Type 316 | 606.45 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0198 | EA | 3/4" Strainer, Stainless Steel Type 316 | 726.07 | 28.69 |
| | | *For Work In Restricted Working Space, Add* | *17.21* | |
| 40 05 23 23-0199 | EA | 1" Strainer, Stainless Steel Type 316 | 949.87 | 38.06 |
| | | *For Work In Restricted Working Space, Add* | *22.84* | |
| 40 05 23 23-0200 | EA | 1-1/4" Strainer, Stainless Steel Type 316 | 1,181.62 | 39.23 |
| | | *For Work In Restricted Working Space, Add* | *23.54* | |
| 40 05 23 23-0201 | EA | 1-1/2" Strainer, Stainless Steel Type 316 | 1,484.88 | 42.75 |
| | | *For Work In Restricted Working Space, Add* | *25.65* | |
| 40 05 23 23-0202 | EA | 2" Strainer, Stainless Steel Type 316 | 2,142.22 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |
| 40 05 23 23-0203 | EA | 2-1/2" Strainer, Stainless Steel Type 316 | 2,944.71 | 77.88 |
| | | *For Work In Restricted Working Space, Add* | *46.73* | |
| 40 05 23 23-0204 | EA | 3" Strainer, Stainless Steel Type 316 | 4,287.31 | 117.10 |
| | | *For Work In Restricted Working Space, Add* | *70.26* | |
| 40 05 23 23-0205 | EA | 4" Strainer, Stainless Steel Type 316 | 5,477.70 | 187.36 |
| | | *For Work In Restricted Working Space, Add* | *112.41* | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **40 05 23 23-0206** | | **Plug Valves** *(40 05 23 23-0153)* | | |
| 40 05 23 23-0207 | EA | 1/2" Plug Valve, Stainless Steel Type 316 | 646.68 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0208 | EA | 3/4" Plug Valve, Stainless Steel Type 316 | 707.02 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0209 | EA | 1" Plug Valve, Stainless Steel Type 316 | 796.19 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| 40 05 23 23-0210 | EA | 1-1/2" Plug Valve, Stainless Steel Type 316 | 1,113.62 | 42.75 |
| | | *For Work In Restricted Working Space, Add* | *25.64* | |
| 40 05 23 23-0211 | EA | 2" Plug Valve, Stainless Steel Type 316 | 1,447.83 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *35.13* | |
| **40 05 23 23-0212** | | **Cut And Prepare Existing Pipe In-Place** *(40 05 23 23-0011)* | | |
| | | Note: For use when connecting pipe to an existing in-place system. | | |
| 40 05 23 23-0213 | EA | Cut And Prepare 1/2" Stainless Steel Pipe | 23.41 | |
| 40 05 23 23-0214 | EA | Cut And Prepare 3/4" Stainless Steel Pipe | 25.28 | |
| 40 05 23 23-0215 | EA | Cut And Prepare 1" Stainless Steel Pipe | 28.44 | |
| 40 05 23 23-0216 | EA | Cut And Prepare 1-1/4" Stainless Steel Pipe | 29.85 | |
| 40 05 23 23-0217 | EA | Cut And Prepare 1-1/2" Stainless Steel Pipe | 31.60 | |
| 40 05 23 23-0218 | EA | Cut And Prepare 2" Stainless Steel Pipe | 33.94 | |
| 40 05 23 23-0219 | EA | Cut And Prepare 2-1/2" Stainless Steel Pipe | 36.29 | |
| 40 05 23 23-0220 | EA | Cut And Prepare 3" Stainless Steel Pipe | 39.80 | |
| 40 05 23 23-0221 | EA | Cut And Prepare 4" Stainless Steel Pipe | 43.31 | |
| 40 05 23 23-0222 | EA | Cut And Prepare 6" Stainless Steel Pipe | 46.82 | |
| 40 05 23 23-0223 | EA | Cut And Prepare 8" Stainless Steel Pipe | 50.33 | |
| 40 05 23 23-0224 | EA | Cut And Prepare 10" Stainless Steel Pipe | 55.02 | |
| 40 05 23 23-0225 | EA | Cut And Prepare 12" Stainless Steel Pipe | 59.70 | |
| 40 05 23 23-0226 | EA | Cut And Prepare 14" Stainless Steel Pipe | 64.38 | |
| 40 05 23 23-0227 | EA | Cut And Prepare 16" Stainless Steel Pipe | 69.06 | |
| 40 05 23 23-0228 | EA | Cut And Prepare 18" Stainless Steel Pipe | 72.57 | |
| 40 05 23 23-0229 | EA | Cut And Prepare 20" Stainless Steel Pipe | 76.08 | |
| 40 05 23 23-0230 | EA | Cut And Prepare 24" Stainless Steel Pipe | 80.77 | |
| **40 05 23 23-0231** | | **Stainless Steel Pipe And Fittings** *(40 05 23 23)* | | |
| **40 05 23 23-0232** | | **Type 304, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings** *(40 05 23 23-0231)* | | |
| **40 05 23 23-0233** | | **Type 304, Schedule 40 Stainless Steel Threaded Pipe** *(40 05 23 23-0232)* | | |
| 40 05 23 23-0234 | LF | 1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting | 16.47 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| 40 05 23 23-0235 | LF | 3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting | 20.31 | 6.33 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| 40 05 23 23-0236 | LF | 1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting | 24.92 | 7.61 |
| | | *For Work In Restricted Working Space, Add* | *4.53* | |
| 40 05 23 23-0237 | LF | 1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting | 29.87 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | *5.28* | |
| 40 05 23 23-0238 | LF | 1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting | 34.51 | 9.95 |
| | | *For Work In Restricted Working Space, Add* | *6.00* | |
| 40 05 23 23-0239 | LF | 2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting | 44.04 | 12.65 |
| | | *For Work In Restricted Working Space, Add* | *7.55* | |
| 40 05 23 23-0240 | LF | 2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting | 59.14 | 14.99 |
| | | *For Work In Restricted Working Space, Add* | *9.01* | |
| 40 05 23 23-0241 | LF | 3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting | 74.34 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0242 | LF | 4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting | 100.45 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| **40 05 23 23-0243** | | **150#, Type 304 Stainless Steel Threaded 90 Degree Elbows** *(40 05 23 23-0232)* | | |
| 40 05 23 23-0244 | EA | 1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow | 41.10 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0245 | EA | 3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow | 54.59 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0246 | EA | 1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow | 70.24 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0247 | EA | 1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow | 98.59 | 43.33 |
| | | *For Work In Restricted Working Space, Add* | *26.02* | |
| 40 05 23 23-0248 | EA | 1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow | 117.61 | 50.93 |
| | | *For Work In Restricted Working Space, Add* | *30.55* | |
| 40 05 23 23-0249 | EA | 2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow | 143.29 | 61.59 |
| | | *For Work In Restricted Working Space, Add* | *36.98* | |
| 40 05 23 23-0250 | EA | 2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow | 240.79 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-0251 | EA | 3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow | 309.94 | 125.88 |
| | | *For Work In Restricted Working Space, Add* | *75.55* | |
| 40 05 23 23-0252 | EA | 4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow | 425.69 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *93.68* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **40 05 23 23-0253** | | **150#, Type 304 Stainless Steel Threaded 45 Degree Elbows** *(40 05 23 23-0232)* | | |
| 40 05 23 23-0254 | EA | 1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow | 41.87 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0255 | EA | 3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow | 55.83 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0256 | EA | 1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow | 70.63 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0257 | EA | 1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow | 98.44 | 43.33 |
| | | *For Work In Restricted Working Space, Add* | *26.02* | |
| 40 05 23 23-0258 | EA | 1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow | 115.78 | 50.93 |
| | | *For Work In Restricted Working Space, Add* | *30.55* | |
| 40 05 23 23-0259 | EA | 2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow | 142.87 | 61.59 |
| | | *For Work In Restricted Working Space, Add* | *36.98* | |
| 40 05 23 23-0260 | EA | 2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow | 249.10 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-0261 | EA | 3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow | 326.15 | 125.88 |
| | | *For Work In Restricted Working Space, Add* | *75.55* | |
| 40 05 23 23-0262 | EA | 4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow | 444.57 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *93.68* | |
| **40 05 23 23-0263** | | **150#, Type 304 Stainless Steel Threaded Tees** *(40 05 23 23-0232)* | | |
| 40 05 23 23-0264 | EA | 1/2", 150#, Type 304 Stainless Steel Threaded Tee | 61.65 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0265 | EA | 3/4", 150#, Type 304 Stainless Steel Threaded Tee | 82.73 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| 40 05 23 23-0266 | EA | 1", 150#, Type 304 Stainless Steel Threaded Tee | 102.82 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *28.10* | |
| 40 05 23 23-0267 | EA | 1-1/4", 150#, Type 304 Stainless Steel Threaded Tee | 148.29 | 65.11 |
| | | *For Work In Restricted Working Space, Add* | *39.03* | |
| 40 05 23 23-0268 | EA | 1-1/2", 150#, Type 304 Stainless Steel Threaded Tee | 168.98 | 73.18 |
| | | *For Work In Restricted Working Space, Add* | *43.91* | |
| 40 05 23 23-0269 | EA | 2", 150#, Type 304 Stainless Steel Threaded Tee | 224.19 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-0270 | EA | 2-1/2", 150#, Type 304 Stainless Steel Threaded Tee | 344.41 | 141.11 |
| | | *For Work In Restricted Working Space, Add* | *84.65* | |
| 40 05 23 23-0271 | EA | 3", 150#, Type 304 Stainless Steel Threaded Tee | 467.43 | 188.88 |
| | | *For Work In Restricted Working Space, Add* | *113.33* | |
| 40 05 23 23-0272 | EA | 4", 150#, Type 304 Stainless Steel Threaded Tee | 630.39 | 234.21 |
| | | *For Work In Restricted Working Space, Add* | *140.52* | |
| **40 05 23 23-0273** | | **150#, Type 304 Stainless Steel Threaded Reducers** *(40 05 23 23-0232)* | | |
| 40 05 23 23-0274 | EA | 3/4", 150#, Type 304 Stainless Steel Threaded Reducer | 54.02 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0275 | EA | 1", 150#, Type 304 Stainless Steel Threaded Reducer | 69.02 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0276 | EA | 1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer | 95.11 | 43.33 |
| | | *For Work In Restricted Working Space, Add* | *26.02* | |
| 40 05 23 23-0277 | EA | 1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer | 113.88 | 50.93 |
| | | *For Work In Restricted Working Space, Add* | *30.55* | |
| 40 05 23 23-0278 | EA | 2", 150#, Type 304 Stainless Steel Threaded Reducer | 143.38 | 61.59 |
| | | *For Work In Restricted Working Space, Add* | *36.98* | |
| 40 05 23 23-0279 | EA | 2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer | 238.33 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-0280 | EA | 3", 150#, Type 304 Stainless Steel Threaded Reducer | 313.30 | 125.88 |
| | | *For Work In Restricted Working Space, Add* | *75.55* | |
| 40 05 23 23-0281 | EA | 4", 150#, Type 304 Stainless Steel Threaded Reducer | 414.09 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *93.68* | |
| **40 05 23 23-0282** | | **150#, Type 304 Stainless Steel Threaded Caps** *(40 05 23 23-0232)* | | |
| 40 05 23 23-0283 | EA | 1/2", 150#, Type 304 Stainless Steel Threaded Cap | 21.11 | 9.49 |
| | | *For Work In Restricted Working Space, Add* | *5.67* | |
| 40 05 23 23-0284 | EA | 3/4", 150#, Type 304 Stainless Steel Threaded Cap | 27.96 | 12.65 |
| | | *For Work In Restricted Working Space, Add* | *7.55* | |
| 40 05 23 23-0285 | EA | 1", 150#, Type 304 Stainless Steel Threaded Cap | 35.38 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *9.37* | |
| 40 05 23 23-0286 | EA | 1-1/4", 150#, Type 304 Stainless Steel Threaded Cap | 51.73 | 22.13 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 40 05 23 23-0287 | EA | 1-1/2", 150#, Type 304 Stainless Steel Threaded Cap | 59.72 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0288 | EA | 2", 150#, Type 304 Stainless Steel Threaded Cap | 75.90 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0289 | EA | 2-1/2", 150#, Type 304 Stainless Steel Threaded Cap | 116.43 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *28.10* | |
| 40 05 23 23-0290 | EA | 3", 150#, Type 304 Stainless Steel Threaded Cap | 154.70 | 61.59 |
| | | *For Work In Restricted Working Space, Add* | *36.98* | |
| 40 05 23 23-0291 | EA | 4", 150#, Type 304 Stainless Steel Threaded Cap | 209.34 | 78.11 |
| | | *For Work In Restricted Working Space, Add* | *46.84* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **40 05 23 23-0292** | | **150#, Type 304 Stainless Steel Threaded Unions** *(40 05 23 23-0232)* | | |
| 40 05 23 23-0293 | EA | 1/2", 150#, Type 304 Stainless Steel Threaded Union | 66.47 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0294 | EA | 3/4", 150#, Type 304 Stainless Steel Threaded Union | 87.40 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| 40 05 23 23-0295 | EA | 1", 150#, Type 304 Stainless Steel Threaded Union | 111.58 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *28.10* | |
| 40 05 23 23-0296 | EA | 1-1/4", 150#, Type 304 Stainless Steel Threaded Union | 161.16 | 65.11 |
| | | *For Work In Restricted Working Space, Add* | *39.03* | |
| 40 05 23 23-0297 | EA | 1-1/2", 150#, Type 304 Stainless Steel Threaded Union | 181.47 | 73.18 |
| | | *For Work In Restricted Working Space, Add* | *43.91* | |
| 40 05 23 23-0298 | EA | 2", 150#, Type 304 Stainless Steel Threaded Union | 237.20 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-0299 | EA | 2-1/2", 150#, Type 304 Stainless Steel Threaded Union | 406.60 | 146.38 |
| | | *For Work In Restricted Working Space, Add* | *87.83* | |
| 40 05 23 23-0300 | EA | 3", 150#, Type 304 Stainless Steel Threaded Union | 521.13 | 188.88 |
| | | *For Work In Restricted Working Space, Add* | *113.33* | |
| 40 05 23 23-0301 | EA | 4", 150#, Type 304 Stainless Steel Threaded Union | 545.00 | 156.16 |
| | | *For Work In Restricted Working Space, Add* | *93.69* | |
| **40 05 23 23-0302** | | **150#, Type 304 Stainless Steel Threaded Couplings** *(40 05 23 23-0232)* | | |
| 40 05 23 23-0303 | EA | 1/2", 150#, Type 304 Stainless Steel Threaded Coupling | 40.78 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0304 | EA | 3/4", 150#, Type 304 Stainless Steel Threaded Coupling | 54.17 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0305 | EA | 1", 150#, Type 304 Stainless Steel Threaded Coupling | 69.90 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0306 | EA | 1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling | 97.23 | 43.33 |
| | | *For Work In Restricted Working Space, Add* | *26.02* | |
| 40 05 23 23-0307 | EA | 1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling | 114.28 | 50.93 |
| | | *For Work In Restricted Working Space, Add* | *30.55* | |
| 40 05 23 23-0308 | EA | 2", 150#, Type 304 Stainless Steel Threaded Coupling | 140.82 | 61.59 |
| | | *For Work In Restricted Working Space, Add* | *36.98* | |
| 40 05 23 23-0309 | EA | 2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling | 233.70 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-0310 | EA | 3", 150#, Type 304 Stainless Steel Threaded Coupling | 301.64 | 125.88 |
| | | *For Work In Restricted Working Space, Add* | *75.55* | |
| 40 05 23 23-0311 | EA | 4", 150#, Type 304 Stainless Steel Threaded Coupling | 389.68 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *93.68* | |
| **40 05 23 23-0312** | | **Type 316, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings** *(40 05 23 23-0231)* | | |
| **40 05 23 23-0313** | | **Type 316, Schedule 40 Stainless Steel Threaded Pipe** *(40 05 23 23-0312)* | | |
| 40 05 23 23-0314 | LF | 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting | 19.87 | 5.04 |
| | | *For Work In Restricted Working Space, Add* | *3.02* | |
| 40 05 23 23-0315 | LF | 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting | 23.66 | 6.33 |
| | | *For Work In Restricted Working Space, Add* | *3.78* | |
| 40 05 23 23-0316 | LF | 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting | 29.73 | 7.61 |
| | | *For Work In Restricted Working Space, Add* | *4.53* | |
| 40 05 23 23-0317 | LF | 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting | 36.16 | 8.78 |
| | | *For Work In Restricted Working Space, Add* | *5.28* | |
| 40 05 23 23-0318 | LF | 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting | 41.96 | 9.95 |
| | | *For Work In Restricted Working Space, Add* | *6.00* | |
| 40 05 23 23-0319 | LF | 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting | 54.02 | 12.65 |
| | | *For Work In Restricted Working Space, Add* | *7.55* | |
| 40 05 23 23-0320 | LF | 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting | 73.09 | 14.99 |
| | | *For Work In Restricted Working Space, Add* | *9.01* | |
| 40 05 23 23-0321 | LF | 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting | 95.14 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0322 | LF | 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting | 127.53 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| **40 05 23 23-0323** | | **150#, Type 316 Stainless Steel Threaded 90 Degree Elbows** *(40 05 23 23-0312)* | | |
| 40 05 23 23-0324 | EA | 1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow | 42.11 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0325 | EA | 3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow | 56.09 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0326 | EA | 1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow | 71.16 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0327 | EA | 1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow | 100.24 | 43.33 |
| | | *For Work In Restricted Working Space, Add* | *26.02* | |
| 40 05 23 23-0328 | EA | 1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow | 119.81 | 50.93 |
| | | *For Work In Restricted Working Space, Add* | *30.55* | |
| 40 05 23 23-0329 | EA | 2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow | 146.01 | 61.59 |
| | | *For Work In Restricted Working Space, Add* | *36.98* | |
| 40 05 23 23-0330 | EA | 2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow | 245.13 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-0331 | EA | 3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow | 320.56 | 125.88 |
| | | *For Work In Restricted Working Space, Add* | *75.55* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0332 | EA | 4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow | 438.59 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *93.68* | |

## 40 05 23 23-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 23-0312)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0334 | EA | 1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow | 42.92 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0335 | EA | 3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow | 56.60 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0336 | EA | 1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow | 71.76 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0337 | EA | 1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow | 100.07 | 43.33 |
| | | *For Work In Restricted Working Space, Add* | *26.02* | |
| 40 05 23 23-0338 | EA | 1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow | 117.68 | 50.93 |
| | | *For Work In Restricted Working Space, Add* | *30.55* | |
| 40 05 23 23-0339 | EA | 2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow | 145.41 | 61.59 |
| | | *For Work In Restricted Working Space, Add* | *36.98* | |
| 40 05 23 23-0340 | EA | 2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow | 253.18 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-0341 | EA | 3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow | 335.55 | 125.88 |
| | | *For Work In Restricted Working Space, Add* | *75.55* | |
| 40 05 23 23-0342 | EA | 4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow | 469.92 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *93.68* | |

## 40 05 23 23-0343 150#, Type 316 Stainless Steel Threaded Tees *(40 05 23 23-0312)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0344 | EA | 1/2", 150#, Type 316 Stainless Steel Threaded Tee | 62.72 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0345 | EA | 3/4", 150#, Type 316 Stainless Steel Threaded Tee | 83.82 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| 40 05 23 23-0346 | EA | 1", 150#, Type 316 Stainless Steel Threaded Tee | 104.04 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *28.10* | |
| 40 05 23 23-0347 | EA | 1-1/4", 150#, Type 316 Stainless Steel Threaded Tee | 150.76 | 65.11 |
| | | *For Work In Restricted Working Space, Add* | *39.03* | |
| 40 05 23 23-0348 | EA | 1-1/2", 150#, Type 316 Stainless Steel Threaded Tee | 171.43 | 73.18 |
| | | *For Work In Restricted Working Space, Add* | *43.91* | |
| 40 05 23 23-0349 | EA | 2", 150#, Type 316 Stainless Steel Threaded Tee | 227.42 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-0350 | EA | 2-1/2", 150#, Type 316 Stainless Steel Threaded Tee | 357.58 | 141.11 |
| | | *For Work In Restricted Working Space, Add* | *84.65* | |
| 40 05 23 23-0351 | EA | 3", 150#, Type 316 Stainless Steel Threaded Tee | 485.39 | 188.88 |
| | | *For Work In Restricted Working Space, Add* | *113.33* | |
| 40 05 23 23-0352 | EA | 4", 150#, Type 316 Stainless Steel Threaded Tee | 643.78 | 234.21 |
| | | *For Work In Restricted Working Space, Add* | *140.52* | |

## 40 05 23 23-0353 150#, Type 316 Stainless Steel Threaded Reducers *(40 05 23 23-0312)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0354 | EA | 3/4", 150#, Type 316 Stainless Steel Threaded Reducer | 54.93 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0355 | EA | 1", 150#, Type 316 Stainless Steel Threaded Reducer | 71.74 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0356 | EA | 1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer | 95.62 | 43.33 |
| | | *For Work In Restricted Working Space, Add* | *26.02* | |
| 40 05 23 23-0357 | EA | 1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer | 116.55 | 50.93 |
| | | *For Work In Restricted Working Space, Add* | *30.55* | |
| 40 05 23 23-0358 | EA | 2", 150#, Type 316 Stainless Steel Threaded Reducer | 148.06 | 61.59 |
| | | *For Work In Restricted Working Space, Add* | *36.98* | |
| 40 05 23 23-0359 | EA | 2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer | 248.97 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-0360 | EA | 3", 150#, Type 316 Stainless Steel Threaded Reducer | 325.04 | 125.88 |
| | | *For Work In Restricted Working Space, Add* | *75.55* | |
| 40 05 23 23-0361 | EA | 4", 150#, Type 316 Stainless Steel Threaded Reducer | 433.68 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *93.68* | |

## 40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps *(40 05 23 23-0312)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0363 | EA | 1/2", 150#, Type 316 Stainless Steel Threaded Cap | 21.71 | 9.49 |
| | | *For Work In Restricted Working Space, Add* | *5.67* | |
| 40 05 23 23-0364 | EA | 3/4", 150#, Type 316 Stainless Steel Threaded Cap | 28.40 | 12.65 |
| | | *For Work In Restricted Working Space, Add* | *7.55* | |
| 40 05 23 23-0365 | EA | 1", 150#, Type 316 Stainless Steel Threaded Cap | 36.18 | 15.57 |
| | | *For Work In Restricted Working Space, Add* | *9.37* | |
| 40 05 23 23-0366 | EA | 1-1/4", 150#, Type 316 Stainless Steel Threaded Cap | 53.93 | 22.13 |
| | | *For Work In Restricted Working Space, Add* | *13.26* | |
| 40 05 23 23-0367 | EA | 1-1/2", 150#, Type 316 Stainless Steel Threaded Cap | 62.32 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0368 | EA | 2", 150#, Type 316 Stainless Steel Threaded Cap | 79.30 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0369 | EA | 2-1/2", 150#, Type 316 Stainless Steel Threaded Cap | 122.04 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *28.10* | |
| 40 05 23 23-0370 | EA | 3", 150#, Type 316 Stainless Steel Threaded Cap | 160.40 | 61.59 |
| | | *For Work In Restricted Working Space, Add* | *36.98* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0371 | EA | 4", 150#, Type 316 Stainless Steel Threaded Cap | 220.66 | 78.11 |
| | | *For Work In Restricted Working Space, Add* | *46.84* | |

## 40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions *(40 05 23 23-0312)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0373 | EA | 1/2", 150#, Type 316 Stainless Steel Threaded Union | 67.76 | 28.57 |
| | | *For Work In Restricted Working Space, Add* | *17.14* | |
| 40 05 23 23-0374 | EA | 3/4", 150#, Type 316 Stainless Steel Threaded Union | 92.25 | 37.82 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| 40 05 23 23-0375 | EA | 1", 150#, Type 316 Stainless Steel Threaded Union | 114.03 | 46.85 |
| | | *For Work In Restricted Working Space, Add* | *28.10* | |
| 40 05 23 23-0376 | EA | 1-1/4", 150#, Type 316 Stainless Steel Threaded Union | 165.33 | 65.11 |
| | | *For Work In Restricted Working Space, Add* | *39.03* | |
| 40 05 23 23-0377 | EA | 1-1/2", 150#, Type 316 Stainless Steel Threaded Union | 186.34 | 73.18 |
| | | *For Work In Restricted Working Space, Add* | *43.91* | |
| 40 05 23 23-0378 | EA | 2", 150#, Type 316 Stainless Steel Threaded Union | 242.84 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-0379 | EA | 2-1/2", 150#, Type 316 Stainless Steel Threaded Union | 415.25 | 146.38 |
| | | *For Work In Restricted Working Space, Add* | *87.83* | |
| 40 05 23 23-0380 | EA | 3", 150#, Type 316 Stainless Steel Threaded Union | 548.09 | 188.88 |
| | | *For Work In Restricted Working Space, Add* | *113.33* | |
| 40 05 23 23-0381 | EA | 4", 150#, Type 316 Stainless Steel Threaded Union | 602.45 | 156.16 |
| | | *For Work In Restricted Working Space, Add* | *93.69* | |

## 40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings *(40 05 23 23-0312)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0383 | EA | 1/2", 150#, Type 316 Stainless Steel Threaded Coupling | 42.81 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-0384 | EA | 3/4", 150#, Type 316 Stainless Steel Threaded Coupling | 55.11 | 24.94 |
| | | *For Work In Restricted Working Space, Add* | *14.95* | |
| 40 05 23 23-0385 | EA | 1", 150#, Type 316 Stainless Steel Threaded Coupling | 70.80 | 31.62 |
| | | *For Work In Restricted Working Space, Add* | *18.99* | |
| 40 05 23 23-0386 | EA | 1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling | 98.66 | 43.33 |
| | | *For Work In Restricted Working Space, Add* | *26.02* | |
| 40 05 23 23-0387 | EA | 1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling | 115.99 | 50.93 |
| | | *For Work In Restricted Working Space, Add* | *30.55* | |
| 40 05 23 23-0388 | EA | 2", 150#, Type 316 Stainless Steel Threaded Coupling | 143.19 | 61.59 |
| | | *For Work In Restricted Working Space, Add* | *36.98* | |
| 40 05 23 23-0389 | EA | 2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling | 241.99 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-0390 | EA | 3", 150#, Type 316 Stainless Steel Threaded Coupling | 312.31 | 125.88 |
| | | *For Work In Restricted Working Space, Add* | *75.55* | |
| 40 05 23 23-0391 | EA | 4", 150#, Type 316 Stainless Steel Threaded Coupling | 405.70 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *93.68* | |

## 40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

## 40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0392)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0394 | LF | 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 18.18 | 4.94 |
| | | *For Work In Restricted Working Space, Add* | *2.96* | |
| 40 05 23 23-0395 | LF | 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 21.68 | 6.03 |
| | | *For Work In Restricted Working Space, Add* | *3.62* | |
| 40 05 23 23-0396 | LF | 1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 28.48 | 7.13 |
| | | *For Work In Restricted Working Space, Add* | *4.25* | |
| 40 05 23 23-0397 | LF | 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 34.82 | 8.88 |
| | | *For Work In Restricted Working Space, Add* | *5.30* | |
| 40 05 23 23-0398 | LF | 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 38.78 | 9.98 |
| | | *For Work In Restricted Working Space, Add* | *5.98* | |
| 40 05 23 23-0399 | LF | 2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 47.97 | 12.38 |
| | | *For Work In Restricted Working Space, Add* | *7.41* | |
| 40 05 23 23-0400 | LF | 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 57.16 | 14.14 |
| | | *For Work In Restricted Working Space, Add* | *8.46* | |
| 40 05 23 23-0401 | LF | 3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 67.26 | 15.90 |
| | | *For Work In Restricted Working Space, Add* | *9.53* | |
| 40 05 23 23-0402 | LF | 4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 84.16 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.28* | |
| 40 05 23 23-0403 | LF | 6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 122.05 | 24.77 |
| | | *For Work In Restricted Working Space, Add* | *14.81* | |
| 40 05 23 23-0404 | LF | 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 207.09 | 44.74 |
| | | *For Work In Restricted Working Space, Add* | *28.75* | |
| 40 05 23 23-0405 | LF | 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 262.09 | 49.19 |
| | | *For Work In Restricted Working Space, Add* | *31.62* | |
| 40 05 23 23-0406 | LF | 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 312.41 | 54.69 |
| | | *For Work In Restricted Working Space, Add* | *35.14* | |
| 40 05 23 23-0407 | LF | 14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 382.60 | 61.49 |
| | | *For Work In Restricted Working Space, Add* | *39.53* | |
| 40 05 23 23-0408 | LF | 16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 422.04 | 70.27 |
| | | *For Work In Restricted Working Space, Add* | *45.17* | |
| 40 05 23 23-0409 | LF | 18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 473.86 | 81.99 |
| | | *For Work In Restricted Working Space, Add* | *52.70* | |
| 40 05 23 23-0410 | LF | 20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 653.19 | 98.38 |
| | | *For Work In Restricted Working Space, Add* | *63.24* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0411 | LF | 24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting | 850.23 | 122.98 |
| | | *For Work In Restricted Working Space, Add* | *79.05* | |

## 40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow *(40 05 23 23-0392)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0413 | EA | 1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 130.14 | 56.24 |
| | | *For Work In Restricted Working Space, Add* | *37.49* | |
| 40 05 23 23-0414 | EA | 3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 137.83 | 59.69 |
| | | *For Work In Restricted Working Space, Add* | *39.79* | |
| 40 05 23 23-0415 | EA | 1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 151.88 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0416 | EA | 1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 165.76 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0417 | EA | 1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 183.09 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0418 | EA | 2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 204.66 | 87.84 |
| | | *For Work In Restricted Working Space, Add* | *58.56* | |
| 40 05 23 23-0419 | EA | 2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 266.01 | 112.42 |
| | | *For Work In Restricted Working Space, Add* | *74.95* | |
| 40 05 23 23-0420 | EA | 3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 312.02 | 131.76 |
| | | *For Work In Restricted Working Space, Add* | *87.83* | |
| 40 05 23 23-0421 | EA | 4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 381.90 | 157.69 |
| | | *For Work In Restricted Working Space, Add* | *105.13* | |
| 40 05 23 23-0422 | EA | 6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 522.08 | 197.00 |
| | | *For Work In Restricted Working Space, Add* | *131.33* | |
| 40 05 23 23-0423 | EA | 8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 907.59 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0424 | EA | 10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 1,335.71 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0425 | EA | 12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 2,017.08 | 677.61 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |
| 40 05 23 23-0426 | EA | 14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 2,384.29 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-0427 | EA | 16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 2,798.60 | 901.75 |
| | | *For Work In Restricted Working Space, Add* | *601.17* | |
| 40 05 23 23-0428 | EA | 18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 3,536.26 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0429 | EA | 20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 4,930.67 | 1,581.08 |
| | | *For Work In Restricted Working Space, Add* | *1,054.05* | |
| 40 05 23 23-0430 | EA | 24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow | 7,077.39 | 2,258.68 |
| | | *For Work In Restricted Working Space, Add* | *1,505.79* | |

## 40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow *(40 05 23 23-0392)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0432 | EA | 1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 131.67 | 56.24 |
| | | *For Work In Restricted Working Space, Add* | *37.49* | |
| 40 05 23 23-0433 | EA | 3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 139.36 | 59.69 |
| | | *For Work In Restricted Working Space, Add* | *39.79* | |
| 40 05 23 23-0434 | EA | 1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 153.71 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0435 | EA | 1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 168.20 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0436 | EA | 1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 183.39 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0437 | EA | 2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 204.66 | 87.84 |
| | | *For Work In Restricted Working Space, Add* | *58.56* | |
| 40 05 23 23-0438 | EA | 2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 264.48 | 112.42 |
| | | *For Work In Restricted Working Space, Add* | *74.95* | |
| 40 05 23 23-0439 | EA | 3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 309.27 | 131.76 |
| | | *For Work In Restricted Working Space, Add* | *87.83* | |
| 40 05 23 23-0440 | EA | 4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 376.71 | 157.69 |
| | | *For Work In Restricted Working Space, Add* | *105.13* | |
| 40 05 23 23-0441 | EA | 6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 494.90 | 197.00 |
| | | *For Work In Restricted Working Space, Add* | *131.33* | |
| 40 05 23 23-0442 | EA | 8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 855.15 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0443 | EA | 10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 1,242.36 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0444 | EA | 12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 1,869.29 | 677.61 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |
| 40 05 23 23-0445 | EA | 14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 2,202.89 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-0446 | EA | 16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 2,574.72 | 901.75 |
| | | *For Work In Restricted Working Space, Add* | *601.17* | |
| 40 05 23 23-0447 | EA | 18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 3,242.26 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0448 | EA | 20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 4,533.96 | 1,581.08 |
| | | *For Work In Restricted Working Space, Add* | *1,054.05* | |
| 40 05 23 23-0449 | EA | 24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow | 6,514.64 | 2,258.68 |
| | | *For Work In Restricted Working Space, Add* | *1,505.79* | |

## 40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee *(40 05 23 23-0392)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0451 | EA | 1/2", Type 304, Schedule 10 Stainless Steel Tee | 175.63 | 71.47 |
| | | *For Work In Restricted Working Space, Add* | *47.65* | |
| 40 05 23 23-0452 | EA | 3/4", Type 304, Schedule 10 Stainless Steel Tee | 211.77 | 87.74 |
| | | *For Work In Restricted Working Space, Add* | *58.49* | |
| 40 05 23 23-0453 | EA | 1", Type 304, Schedule 10 Stainless Steel Tee | 235.86 | 98.58 |
| | | *For Work In Restricted Working Space, Add* | *65.72* | |
| 40 05 23 23-0454 | EA | 1-1/4", Type 304, Schedule 10 Stainless Steel Tee | 268.48 | 112.42 |
| | | *For Work In Restricted Working Space, Add* | *74.95* | |
| 40 05 23 23-0455 | EA | 1-1/2", Type 304, Schedule 10 Stainless Steel Tee | 284.95 | 120.67 |
| | | *For Work In Restricted Working Space, Add* | *80.45* | |
| 40 05 23 23-0456 | EA | 2", Type 304, Schedule 10 Stainless Steel Tee | 310.49 | 131.61 |
| | | *For Work In Restricted Working Space, Add* | *87.74* | |
| 40 05 23 23-0457 | EA | 2-1/2", Type 304, Schedule 10 Stainless Steel Tee | 401.29 | 157.69 |
| | | *For Work In Restricted Working Space, Add* | *105.13* | |
| 40 05 23 23-0458 | EA | 3", Type 304, Schedule 10 Stainless Steel Tee | 472.17 | 197.63 |
| | | *For Work In Restricted Working Space, Add* | *131.75* | |
| 40 05 23 23-0459 | EA | 4", Type 304, Schedule 10 Stainless Steel Tee | 542.37 | 221.80 |
| | | *For Work In Restricted Working Space, Add* | *147.87* | |
| 40 05 23 23-0460 | EA | 6", Type 304, Schedule 10 Stainless Steel Tee | 788.83 | 295.73 |
| | | *For Work In Restricted Working Space, Add* | *197.16* | |
| 40 05 23 23-0461 | EA | 8", Type 304, Schedule 10 Stainless Steel Tee | 1,314.27 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0462 | EA | 10", Type 304, Schedule 10 Stainless Steel Tee | 2,017.08 | 677.61 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |
| 40 05 23 23-0463 | EA | 12", Type 304, Schedule 10 Stainless Steel Tee | 2,592.44 | 847.01 |
| | | *For Work In Restricted Working Space, Add* | *564.67* | |
| 40 05 23 23-0464 | EA | 14", Type 304, Schedule 10 Stainless Steel Tee | 3,187.92 | 1,017.86 |
| | | *For Work In Restricted Working Space, Add* | *678.57* | |
| 40 05 23 23-0465 | EA | 16", Type 304, Schedule 10 Stainless Steel Tee | 3,862.05 | 1,241.68 |
| | | *For Work In Restricted Working Space, Add* | *827.79* | |
| 40 05 23 23-0466 | EA | 18", Type 304, Schedule 10 Stainless Steel Tee | 4,914.37 | 1,581.08 |
| | | *For Work In Restricted Working Space, Add* | *1,054.05* | |
| 40 05 23 23-0467 | EA | 20", Type 304, Schedule 10 Stainless Steel Tee | 6,570.30 | 2,080.37 |
| | | *For Work In Restricted Working Space, Add* | *1,386.91* | |
| 40 05 23 23-0468 | EA | 24", Type 304, Schedule 10 Stainless Steel Tee | 9,851.88 | 3,162.16 |
| | | *For Work In Restricted Working Space, Add* | *2,108.10* | |

### 40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0392)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0470 | EA | 3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee | 162.63 | 59.71 |
| | | *For Work In Restricted Working Space, Add* | *39.81* | |
| 40 05 23 23-0471 | EA | 1", Type 304, Schedule 10 Stainless Steel Reducing Tee | 192.53 | 73.17 |
| | | *For Work In Restricted Working Space, Add* | *48.78* | |
| 40 05 23 23-0472 | EA | 1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee | 237.34 | 82.22 |
| | | *For Work In Restricted Working Space, Add* | *54.81* | |
| 40 05 23 23-0473 | EA | 1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee | 245.85 | 93.72 |
| | | *For Work In Restricted Working Space, Add* | *62.48* | |
| 40 05 23 23-0474 | EA | 2", Type 304, Schedule 10 Stainless Steel Reducing Tee | 257.71 | 100.71 |
| | | *For Work In Restricted Working Space, Add* | *67.14* | |
| 40 05 23 23-0475 | EA | 2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee | 335.84 | 109.75 |
| | | *For Work In Restricted Working Space, Add* | *73.17* | |
| 40 05 23 23-0476 | EA | 3", Type 304, Schedule 10 Stainless Steel Reducing Tee | 395.60 | 131.55 |
| | | *For Work In Restricted Working Space, Add* | *87.71* | |
| 40 05 23 23-0477 | EA | 4", Type 304, Schedule 10 Stainless Steel Reducing Tee | 487.57 | 164.43 |
| | | *For Work In Restricted Working Space, Add* | *109.62* | |
| 40 05 23 23-0478 | EA | 6", Type 304, Schedule 10 Stainless Steel Reducing Tee | 642.92 | 187.87 |
| | | *For Work In Restricted Working Space, Add* | *125.25* | |
| 40 05 23 23-0479 | EA | 8", Type 304, Schedule 10 Stainless Steel Reducing Tee | 1,223.80 | 282.34 |
| | | *For Work In Restricted Working Space, Add* | *188.22* | |
| 40 05 23 23-0480 | EA | 10", Type 304, Schedule 10 Stainless Steel Reducing Tee | 2,013.19 | 376.45 |
| | | *For Work In Restricted Working Space, Add* | *250.97* | |
| 40 05 23 23-0481 | EA | 12", Type 304, Schedule 10 Stainless Steel Reducing Tee | 2,877.76 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| 40 05 23 23-0482 | EA | 14", Type 304, Schedule 10 Stainless Steel Reducing Tee | 3,491.17 | 678.39 |
| | | *For Work In Restricted Working Space, Add* | *452.26* | |
| 40 05 23 23-0483 | EA | 16", Type 304, Schedule 10 Stainless Steel Reducing Tee | 4,323.19 | 827.50 |
| | | *For Work In Restricted Working Space, Add* | *551.67* | |
| 40 05 23 23-0484 | EA | 18", Type 304, Schedule 10 Stainless Steel Reducing Tee | 5,581.98 | 1,054.05 |
| | | *For Work In Restricted Working Space, Add* | *702.70* | |
| 40 05 23 23-0485 | EA | 20", Type 304, Schedule 10 Stainless Steel Reducing Tee | 7,933.47 | 1,386.91 |
| | | *For Work In Restricted Working Space, Add* | *924.61* | |
| 40 05 23 23-0486 | EA | 24", Type 304, Schedule 10 Stainless Steel Reducing Tee | 12,407.34 | 2,106.23 |
| | | *For Work In Restricted Working Space, Add* | *1,404.16* | |

### 40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0392)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0488 | EA | 3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 131.05 | 54.30 |
| | | *For Work In Restricted Working Space, Add* | *36.20* | |
| 40 05 23 23-0489 | EA | 1", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 144.33 | 59.17 |
| | | *For Work In Restricted Working Space, Add* | *39.45* | |
| 40 05 23 23-0490 | EA | 1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 159.99 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0491 | EA | 1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 170.17 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0492 | EA | 2", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 185.53 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0493 | EA | 2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 249.17 | 98.66 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 40 05 23 23-0494 | EA | 3", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 281.66 | 112.31 |
| | | *For Work In Restricted Working Space, Add* | *74.88* | |
| 40 05 23 23-0495 | EA | 4", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 329.18 | 131.61 |
| | | *For Work In Restricted Working Space, Add* | *87.74* | |
| 40 05 23 23-0496 | EA | 6", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 424.87 | 167.56 |
| | | *For Work In Restricted Working Space, Add* | *111.70* | |
| 40 05 23 23-0497 | EA | 8", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 686.70 | 271.04 |
| | | *For Work In Restricted Working Space, Add* | *180.70* | |
| 40 05 23 23-0498 | EA | 10", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 873.29 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0499 | EA | 12", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 1,174.40 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0500 | EA | 14", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 1,672.27 | 592.91 |
| | | *For Work In Restricted Working Space, Add* | *395.27* | |
| 40 05 23 23-0501 | EA | 16", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 1,954.77 | 675.67 |
| | | *For Work In Restricted Working Space, Add* | *450.45* | |
| 40 05 23 23-0502 | EA | 18", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 2,407.06 | 847.01 |
| | | *For Work In Restricted Working Space, Add* | *564.67* | |
| 40 05 23 23-0503 | EA | 20", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 3,376.66 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0504 | EA | 24", Type 304, Schedule 10 Stainless Steel Concentric Reducer | 4,871.67 | 1,694.01 |
| | | *For Work In Restricted Working Space, Add* | *1,129.34* | |
| 40 05 23 23-0505 | EA | 3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 159.77 | 54.30 |
| | | *For Work In Restricted Working Space, Add* | *36.20* | |
| 40 05 23 23-0506 | EA | 1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 165.40 | 59.17 |
| | | *For Work In Restricted Working Space, Add* | *39.45* | |
| 40 05 23 23-0507 | EA | 1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 174.42 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0508 | EA | 1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 196.44 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0509 | EA | 2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 204.47 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0510 | EA | 2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 269.94 | 98.66 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 40 05 23 23-0511 | EA | 3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 302.12 | 112.31 |
| | | *For Work In Restricted Working Space, Add* | *74.88* | |
| 40 05 23 23-0512 | EA | 4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 345.00 | 131.61 |
| | | *For Work In Restricted Working Space, Add* | *87.74* | |
| 40 05 23 23-0513 | EA | 6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 481.99 | 167.56 |
| | | *For Work In Restricted Working Space, Add* | *111.70* | |
| 40 05 23 23-0514 | EA | 8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 809.13 | 271.04 |
| | | *For Work In Restricted Working Space, Add* | *180.70* | |
| 40 05 23 23-0515 | EA | 10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 1,112.11 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0516 | EA | 12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 1,395.08 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0517 | EA | 14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 2,181.35 | 592.91 |
| | | *For Work In Restricted Working Space, Add* | *395.27* | |
| 40 05 23 23-0518 | EA | 16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 2,538.09 | 675.67 |
| | | *For Work In Restricted Working Space, Add* | *450.45* | |
| 40 05 23 23-0519 | EA | 18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 3,118.98 | 847.01 |
| | | *For Work In Restricted Working Space, Add* | *564.67* | |
| 40 05 23 23-0520 | EA | 20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 4,517.48 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0521 | EA | 24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer | 6,383.60 | 1,694.01 |
| | | *For Work In Restricted Working Space, Add* | *1,129.34* | |

### 40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0392)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0523 | EA | 1/2", Type 304, Schedule 10 Stainless Steel Cap | 71.96 | 28.12 |
| | | *For Work In Restricted Working Space, Add* | *18.75* | |
| 40 05 23 23-0524 | EA | 3/4", Type 304, Schedule 10 Stainless Steel Cap | 79.15 | 29.84 |
| | | *For Work In Restricted Working Space, Add* | *19.90* | |
| 40 05 23 23-0525 | EA | 1", Type 304, Schedule 10 Stainless Steel Cap | 86.94 | 32.80 |
| | | *For Work In Restricted Working Space, Add* | *21.87* | |
| 40 05 23 23-0526 | EA | 1-1/4", Type 304, Schedule 10 Stainless Steel Cap | 95.78 | 35.75 |
| | | *For Work In Restricted Working Space, Add* | *23.83* | |
| 40 05 23 23-0527 | EA | 1-1/2", Type 304, Schedule 10 Stainless Steel Cap | 102.70 | 39.47 |
| | | *For Work In Restricted Working Space, Add* | *26.32* | |
| 40 05 23 23-0528 | EA | 2", Type 304, Schedule 10 Stainless Steel Cap | 110.72 | 43.92 |
| | | *For Work In Restricted Working Space, Add* | *29.28* | |
| 40 05 23 23-0529 | EA | 2-1/2", Type 304, Schedule 10 Stainless Steel Cap | 143.85 | 56.21 |
| | | *For Work In Restricted Working Space, Add* | *37.47* | |
| 40 05 23 23-0530 | EA | 3", Type 304, Schedule 10 Stainless Steel Cap | 162.58 | 65.88 |
| | | *For Work In Restricted Working Space, Add* | *43.92* | |
| 40 05 23 23-0531 | EA | 4", Type 304, Schedule 10 Stainless Steel Cap | 196.00 | 78.85 |
| | | *For Work In Restricted Working Space, Add* | *52.57* | |
| 40 05 23 23-0532 | EA | 6", Type 304, Schedule 10 Stainless Steel Cap | 253.14 | 98.66 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0533 | EA | 8", Type 304, Schedule 10 Stainless Steel Cap | 437.48 | 169.40 |
| | | *For Work In Restricted Working Space, Add* | *112.94* | |
| 40 05 23 23-0534 | EA | 10", Type 304, Schedule 10 Stainless Steel Cap | 582.56 | 225.87 |
| | | *For Work In Restricted Working Space, Add* | *150.58* | |
| 40 05 23 23-0535 | EA | 12", Type 304, Schedule 10 Stainless Steel Cap | 857.96 | 338.80 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0536 | EA | 14", Type 304, Schedule 10 Stainless Steel Cap | 1,007.15 | 395.27 |
| | | *For Work In Restricted Working Space, Add* | *263.51* | |
| 40 05 23 23-0537 | EA | 16", Type 304, Schedule 10 Stainless Steel Cap | 1,168.04 | 450.88 |
| | | *For Work In Restricted Working Space, Add* | *300.59* | |
| 40 05 23 23-0538 | EA | 18", Type 304, Schedule 10 Stainless Steel Cap | 1,475.42 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| 40 05 23 23-0539 | EA | 20", Type 304, Schedule 10 Stainless Steel Cap | 2,037.24 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-0540 | EA | 24", Type 304, Schedule 10 Stainless Steel Cap | 3,003.88 | 1,129.33 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |

## 40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

## 40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0541)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0543 | LF | 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 20.22 | 4.94 |
| | | *For Work In Restricted Working Space, Add* | *2.96* | |
| 40 05 23 23-0544 | LF | 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 24.58 | 6.03 |
| | | *For Work In Restricted Working Space, Add* | *3.62* | |
| 40 05 23 23-0545 | LF | 1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 30.05 | 7.13 |
| | | *For Work In Restricted Working Space, Add* | *4.25* | |
| 40 05 23 23-0546 | LF | 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 37.55 | 8.77 |
| | | *For Work In Restricted Working Space, Add* | *5.30* | |
| 40 05 23 23-0547 | LF | 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 43.21 | 9.86 |
| | | *For Work In Restricted Working Space, Add* | *5.98* | |
| 40 05 23 23-0548 | LF | 2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 55.26 | 12.61 |
| | | *For Work In Restricted Working Space, Add* | *7.41* | |
| 40 05 23 23-0549 | LF | 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 68.29 | 14.25 |
| | | *For Work In Restricted Working Space, Add* | *8.46* | |
| 40 05 23 23-0550 | LF | 3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 67.06 | 15.90 |
| | | *For Work In Restricted Working Space, Add* | *9.53* | |
| 40 05 23 23-0551 | LF | 4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 108.97 | 18.63 |
| | | *For Work In Restricted Working Space, Add* | *11.28* | |
| 40 05 23 23-0552 | LF | 6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 168.60 | 24.67 |
| | | *For Work In Restricted Working Space, Add* | *14.81* | |
| 40 05 23 23-0553 | LF | 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 300.19 | 44.50 |
| | | *For Work In Restricted Working Space, Add* | *28.75* | |
| 40 05 23 23-0554 | LF | 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 377.90 | 49.19 |
| | | *For Work In Restricted Working Space, Add* | *31.62* | |
| 40 05 23 23-0555 | LF | 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting | 469.09 | 54.46 |
| | | *For Work In Restricted Working Space, Add* | *35.14* | |

## 40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0541)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0557 | EA | 1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 131.36 | 56.24 |
| | | *For Work In Restricted Working Space, Add* | *37.49* | |
| 40 05 23 23-0558 | EA | 3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 139.05 | 59.69 |
| | | *For Work In Restricted Working Space, Add* | *39.79* | |
| 40 05 23 23-0559 | EA | 1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 152.79 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0560 | EA | 1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 166.42 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0561 | EA | 1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 183.70 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0562 | EA | 2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 206.80 | 87.84 |
| | | *For Work In Restricted Working Space, Add* | *58.56* | |
| 40 05 23 23-0563 | EA | 2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 273.95 | 112.42 |
| | | *For Work In Restricted Working Space, Add* | *74.95* | |
| 40 05 23 23-0564 | EA | 3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 323.63 | 131.76 |
| | | *For Work In Restricted Working Space, Add* | *87.83* | |
| 40 05 23 23-0565 | EA | 4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 401.45 | 157.69 |
| | | *For Work In Restricted Working Space, Add* | *105.13* | |
| 40 05 23 23-0566 | EA | 6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 647.00 | 197.00 |
| | | *For Work In Restricted Working Space, Add* | *131.33* | |
| 40 05 23 23-0567 | EA | 8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 1,077.81 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0568 | EA | 10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 1,681.08 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0569 | EA | 12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 2,465.03 | 677.61 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |
| 40 05 23 23-0570 | EA | 14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 2,927.72 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-0571 | EA | 16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 3,496.71 | 901.75 |
| | | *For Work In Restricted Working Space, Add* | *601.17* | |
| 40 05 23 23-0572 | EA | 18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 4,506.27 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0573 | EA | 20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 6,127.93 | 1,581.08 |
| | | *For Work In Restricted Working Space, Add* | *1,054.05* | |
| 40 05 23 23-0574 | EA | 24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow | 8,785.48 | 2,258.68 |
| | | *For Work In Restricted Working Space, Add* | *1,505.79* | |
| 40 05 23 23-0575 | | Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0541)* | | |
| 40 05 23 23-0576 | EA | 1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 133.50 | 56.24 |
| | | *For Work In Restricted Working Space, Add* | *37.49* | |
| 40 05 23 23-0577 | EA | 3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 141.19 | 59.69 |
| | | *For Work In Restricted Working Space, Add* | *39.79* | |
| 40 05 23 23-0578 | EA | 1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 154.32 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0579 | EA | 1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 167.98 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0580 | EA | 1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 185.22 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0581 | EA | 2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 207.12 | 87.84 |
| | | *For Work In Restricted Working Space, Add* | *58.56* | |
| 40 05 23 23-0582 | EA | 2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 273.95 | 112.42 |
| | | *For Work In Restricted Working Space, Add* | *74.95* | |
| 40 05 23 23-0583 | EA | 3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 315.08 | 131.76 |
| | | *For Work In Restricted Working Space, Add* | *87.83* | |
| 40 05 23 23-0584 | EA | 4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 406.03 | 157.69 |
| | | *For Work In Restricted Working Space, Add* | *105.13* | |
| 40 05 23 23-0585 | EA | 6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 542.85 | 197.00 |
| | | *For Work In Restricted Working Space, Add* | *131.33* | |
| 40 05 23 23-0586 | EA | 8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 968.62 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0587 | EA | 10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 1,408.29 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0588 | EA | 12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 2,062.61 | 677.61 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |
| 40 05 23 23-0589 | EA | 14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 2,339.22 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-0590 | EA | 16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 2,796.03 | 901.75 |
| | | *For Work In Restricted Working Space, Add* | *601.17* | |
| 40 05 23 23-0591 | EA | 18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 3,528.75 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0592 | EA | 20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 4,808.91 | 1,581.08 |
| | | *For Work In Restricted Working Space, Add* | *1,054.05* | |
| 40 05 23 23-0593 | EA | 24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow | 6,981.49 | 2,258.68 |
| | | *For Work In Restricted Working Space, Add* | *1,505.79* | |
| 40 05 23 23-0594 | | Type 304, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0541)* | | |
| 40 05 23 23-0595 | EA | 1/2", Type 304, Schedule 40 Stainless Steel Tee | 176.85 | 71.47 |
| | | *For Work In Restricted Working Space, Add* | *47.65* | |
| 40 05 23 23-0596 | EA | 3/4", Type 304, Schedule 40 Stainless Steel Tee | 212.99 | 87.74 |
| | | *For Work In Restricted Working Space, Add* | *58.49* | |
| 40 05 23 23-0597 | EA | 1", Type 304, Schedule 40 Stainless Steel Tee | 237.08 | 98.58 |
| | | *For Work In Restricted Working Space, Add* | *65.72* | |
| 40 05 23 23-0598 | EA | 1-1/4", Type 304, Schedule 40 Stainless Steel Tee | 271.59 | 112.42 |
| | | *For Work In Restricted Working Space, Add* | *74.95* | |
| 40 05 23 23-0599 | EA | 1-1/2", Type 304, Schedule 40 Stainless Steel Tee | 286.17 | 120.67 |
| | | *For Work In Restricted Working Space, Add* | *80.45* | |
| 40 05 23 23-0600 | EA | 2", Type 304, Schedule 40 Stainless Steel Tee | 312.02 | 131.61 |
| | | *For Work In Restricted Working Space, Add* | *87.74* | |
| 40 05 23 23-0601 | EA | 2-1/2", Type 304, Schedule 40 Stainless Steel Tee | 405.42 | 157.69 |
| | | *For Work In Restricted Working Space, Add* | *105.13* | |
| 40 05 23 23-0602 | EA | 3", Type 304, Schedule 40 Stainless Steel Tee | 478.58 | 197.63 |
| | | *For Work In Restricted Working Space, Add* | *131.75* | |
| 40 05 23 23-0603 | EA | 4", Type 304, Schedule 40 Stainless Steel Tee | 549.39 | 221.80 |
| | | *For Work In Restricted Working Space, Add* | *147.87* | |
| 40 05 23 23-0604 | EA | 6", Type 304, Schedule 40 Stainless Steel Tee | 837.39 | 295.73 |
| | | *For Work In Restricted Working Space, Add* | *197.16* | |
| 40 05 23 23-0605 | EA | 8", Type 304, Schedule 40 Stainless Steel Tee | 1,458.42 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0606 | EA | 10", Type 304, Schedule 40 Stainless Steel Tee | 2,459.44 | 677.61 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |
| 40 05 23 23-0607 | EA | 12", Type 304, Schedule 40 Stainless Steel Tee | 3,058.87 | 847.01 |
| | | *For Work In Restricted Working Space, Add* | *564.67* | |
| 40 05 23 23-0608 | EA | 14", Type 304, Schedule 40 Stainless Steel Tee | 4,127.79 | 1,017.86 |
| | | *For Work In Restricted Working Space, Add* | *678.57* | |
| 40 05 23 23-0609 | EA | 16", Type 304, Schedule 40 Stainless Steel Tee | 5,234.21 | 1,241.68 |
| | | *For Work In Restricted Working Space, Add* | *827.79* | |
| 40 05 23 23-0610 | EA | 18", Type 304, Schedule 40 Stainless Steel Tee | 6,777.42 | 1,581.08 |
| | | *For Work In Restricted Working Space, Add* | *1,054.05* | |
| 40 05 23 23-0611 | EA | 20", Type 304, Schedule 40 Stainless Steel Tee | 8,755.61 | 2,080.37 |
| | | *For Work In Restricted Working Space, Add* | *1,386.91* | |
| 40 05 23 23-0612 | EA | 24", Type 304, Schedule 40 Stainless Steel Tee | 13,401.09 | 3,162.16 |
| | | *For Work In Restricted Working Space, Add* | *2,108.10* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **40 05 23 23-0613** | | **Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees** *(40 05 23 23-0541)* | | |
| 40 05 23 23-0614 | EA | 3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee | 166.60 | 59.71 |
| | | *For Work In Restricted Working Space, Add* | *39.81* | |
| 40 05 23 23-0615 | EA | 1", Type 304, Schedule 40 Stainless Steel Reducing Tee | 196.50 | 73.17 |
| | | *For Work In Restricted Working Space, Add* | *48.78* | |
| 40 05 23 23-0616 | EA | 1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee | 256.45 | 82.22 |
| | | *For Work In Restricted Working Space, Add* | *54.81* | |
| 40 05 23 23-0617 | EA | 1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee | 251.65 | 93.72 |
| | | *For Work In Restricted Working Space, Add* | *62.48* | |
| 40 05 23 23-0618 | EA | 2", Type 304, Schedule 40 Stainless Steel Reducing Tee | 257.71 | 100.71 |
| | | *For Work In Restricted Working Space, Add* | *67.14* | |
| 40 05 23 23-0619 | EA | 2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee | 316.32 | 109.75 |
| | | *For Work In Restricted Working Space, Add* | *73.17* | |
| 40 05 23 23-0620 | EA | 3", Type 304, Schedule 40 Stainless Steel Reducing Tee | 352.53 | 131.55 |
| | | *For Work In Restricted Working Space, Add* | *87.71* | |
| 40 05 23 23-0621 | EA | 4", Type 304, Schedule 40 Stainless Steel Reducing Tee | 464.97 | 164.43 |
| | | *For Work In Restricted Working Space, Add* | *109.62* | |
| 40 05 23 23-0622 | EA | 6", Type 304, Schedule 40 Stainless Steel Reducing Tee | 646.58 | 187.87 |
| | | *For Work In Restricted Working Space, Add* | *125.25* | |
| 40 05 23 23-0623 | EA | 8", Type 304, Schedule 40 Stainless Steel Reducing Tee | 1,094.16 | 282.34 |
| | | *For Work In Restricted Working Space, Add* | *188.22* | |
| 40 05 23 23-0624 | EA | 10", Type 304, Schedule 40 Stainless Steel Reducing Tee | 2,053.76 | 376.45 |
| | | *For Work In Restricted Working Space, Add* | *250.97* | |
| 40 05 23 23-0625 | EA | 12", Type 304, Schedule 40 Stainless Steel Reducing Tee | 2,958.91 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| 40 05 23 23-0626 | EA | 14", Type 304, Schedule 40 Stainless Steel Reducing Tee | 3,377.31 | 678.39 |
| | | *For Work In Restricted Working Space, Add* | *452.26* | |
| 40 05 23 23-0627 | EA | 16", Type 304, Schedule 40 Stainless Steel Reducing Tee | 4,180.59 | 827.50 |
| | | *For Work In Restricted Working Space, Add* | *551.67* | |
| 40 05 23 23-0628 | EA | 18", Type 304, Schedule 40 Stainless Steel Reducing Tee | 5,396.03 | 1,054.05 |
| | | *For Work In Restricted Working Space, Add* | *702.70* | |
| 40 05 23 23-0629 | EA | 20", Type 304, Schedule 40 Stainless Steel Reducing Tee | 7,655.00 | 1,386.91 |
| | | *For Work In Restricted Working Space, Add* | *924.61* | |
| 40 05 23 23-0630 | EA | 24", Type 304, Schedule 40 Stainless Steel Reducing Tee | 11,963.83 | 2,106.23 |
| | | *For Work In Restricted Working Space, Add* | *1,404.16* | |
| **40 05 23 23-0631** | | **Type 304, Schedule 40 Stainless Steel Butt Weld Reducers** *(40 05 23 23-0541)* | | |
| 40 05 23 23-0632 | EA | 3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 134.11 | 54.30 |
| | | *For Work In Restricted Working Space, Add* | *36.20* | |
| 40 05 23 23-0633 | EA | 1", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 147.38 | 59.17 |
| | | *For Work In Restricted Working Space, Add* | *39.45* | |
| 40 05 23 23-0634 | EA | 1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 160.21 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0635 | EA | 1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 173.23 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0636 | EA | 2", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 187.36 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0637 | EA | 2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 249.17 | 98.66 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 40 05 23 23-0638 | EA | 3", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 270.66 | 112.31 |
| | | *For Work In Restricted Working Space, Add* | *74.88* | |
| 40 05 23 23-0639 | EA | 4", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 313.54 | 131.61 |
| | | *For Work In Restricted Working Space, Add* | *87.74* | |
| 40 05 23 23-0640 | EA | 6", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 427.32 | 167.56 |
| | | *For Work In Restricted Working Space, Add* | *111.70* | |
| 40 05 23 23-0641 | EA | 8", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 738.56 | 271.04 |
| | | *For Work In Restricted Working Space, Add* | *180.70* | |
| 40 05 23 23-0642 | EA | 10", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 962.36 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0643 | EA | 12", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 1,253.89 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0644 | EA | 14", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 1,850.67 | 592.91 |
| | | *For Work In Restricted Working Space, Add* | *395.27* | |
| 40 05 23 23-0645 | EA | 16", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 2,179.03 | 675.67 |
| | | *For Work In Restricted Working Space, Add* | *450.45* | |
| 40 05 23 23-0646 | EA | 18", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 2,861.20 | 847.01 |
| | | *For Work In Restricted Working Space, Add* | *564.67* | |
| 40 05 23 23-0647 | EA | 20", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 3,912.34 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0648 | EA | 24", Type 304, Schedule 40 Stainless Steel Concentric Reducer | 5,426.42 | 1,694.01 |
| | | *For Work In Restricted Working Space, Add* | *1,129.34* | |
| 40 05 23 23-0649 | EA | 3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 161.01 | 54.30 |
| | | *For Work In Restricted Working Space, Add* | *36.20* | |
| 40 05 23 23-0650 | EA | 1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 171.82 | 59.17 |
| | | *For Work In Restricted Working Space, Add* | *39.45* | |
| 40 05 23 23-0651 | EA | 1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 196.42 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0652 | EA | 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 207.74 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0653 | EA | 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 221.88 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0654 | EA | 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 269.94 | 98.66 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 40 05 23 23-0655 | EA | 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 340.00 | 112.31 |
| | | *For Work In Restricted Working Space, Add* | *74.88* | |
| 40 05 23 23-0656 | EA | 4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 370.66 | 131.61 |
| | | *For Work In Restricted Working Space, Add* | *87.74* | |
| 40 05 23 23-0657 | EA | 6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 507.34 | 167.56 |
| | | *For Work In Restricted Working Space, Add* | *111.70* | |
| 40 05 23 23-0658 | EA | 8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 811.79 | 271.04 |
| | | *For Work In Restricted Working Space, Add* | *180.70* | |
| 40 05 23 23-0659 | EA | 10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 1,109.80 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0660 | EA | 12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 1,515.15 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0661 | EA | 14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 2,491.04 | 592.91 |
| | | *For Work In Restricted Working Space, Add* | *395.27* | |
| 40 05 23 23-0662 | EA | 16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 2,825.33 | 675.67 |
| | | *For Work In Restricted Working Space, Add* | *450.45* | |
| 40 05 23 23-0663 | EA | 18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 3,697.32 | 847.01 |
| | | *For Work In Restricted Working Space, Add* | *564.67* | |
| 40 05 23 23-0664 | EA | 20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 4,802.90 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0665 | EA | 24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer | 7,648.69 | 1,694.01 |
| | | *For Work In Restricted Working Space, Add* | *1,129.34* | |

### 40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0541)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0667 | EA | 1/2", Type 304, Schedule 40 Stainless Steel Cap | 72.87 | 28.12 |
| | | *For Work In Restricted Working Space, Add* | *18.75* | |
| 40 05 23 23-0668 | EA | 3/4", Type 304, Schedule 40 Stainless Steel Cap | 78.23 | 29.84 |
| | | *For Work In Restricted Working Space, Add* | *19.90* | |
| 40 05 23 23-0669 | EA | 1", Type 304, Schedule 40 Stainless Steel Cap | 87.86 | 32.80 |
| | | *For Work In Restricted Working Space, Add* | *21.87* | |
| 40 05 23 23-0670 | EA | 1-1/4", Type 304, Schedule 40 Stainless Steel Cap | 99.87 | 35.75 |
| | | *For Work In Restricted Working Space, Add* | *23.83* | |
| 40 05 23 23-0671 | EA | 1-1/2", Type 304, Schedule 40 Stainless Steel Cap | 106.67 | 39.47 |
| | | *For Work In Restricted Working Space, Add* | *26.32* | |
| 40 05 23 23-0672 | EA | 2", Type 304, Schedule 40 Stainless Steel Cap | 110.42 | 43.92 |
| | | *For Work In Restricted Working Space, Add* | *29.28* | |
| 40 05 23 23-0673 | EA | 2-1/2", Type 304, Schedule 40 Stainless Steel Cap | 141.79 | 56.21 |
| | | *For Work In Restricted Working Space, Add* | *37.47* | |
| 40 05 23 23-0674 | EA | 3", Type 304, Schedule 40 Stainless Steel Cap | 163.80 | 65.88 |
| | | *For Work In Restricted Working Space, Add* | *43.92* | |
| 40 05 23 23-0675 | EA | 4", Type 304, Schedule 40 Stainless Steel Cap | 199.66 | 78.85 |
| | | *For Work In Restricted Working Space, Add* | *52.57* | |
| 40 05 23 23-0676 | EA | 6", Type 304, Schedule 40 Stainless Steel Cap | 275.74 | 98.66 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 40 05 23 23-0677 | EA | 8", Type 304, Schedule 40 Stainless Steel Cap | 473.77 | 169.40 |
| | | *For Work In Restricted Working Space, Add* | *112.94* | |
| 40 05 23 23-0678 | EA | 10", Type 304, Schedule 40 Stainless Steel Cap | 633.88 | 225.87 |
| | | *For Work In Restricted Working Space, Add* | *150.58* | |
| 40 05 23 23-0679 | EA | 12", Type 304, Schedule 40 Stainless Steel Cap | 955.75 | 338.80 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0680 | EA | 14", Type 304, Schedule 40 Stainless Steel Cap | 1,096.73 | 395.27 |
| | | *For Work In Restricted Working Space, Add* | *263.51* | |
| 40 05 23 23-0681 | EA | 16", Type 304, Schedule 40 Stainless Steel Cap | 1,291.27 | 450.88 |
| | | *For Work In Restricted Working Space, Add* | *300.59* | |
| 40 05 23 23-0682 | EA | 18", Type 304, Schedule 40 Stainless Steel Cap | 1,621.48 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| 40 05 23 23-0683 | EA | 20", Type 304, Schedule 40 Stainless Steel Cap | 2,232.02 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-0684 | EA | 24", Type 304, Schedule 40 Stainless Steel Cap | 3,329.54 | 1,129.33 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |

### 40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

### 40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0685)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0687 | LF | 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 20.77 | 4.94 |
| | | *For Work In Restricted Working Space, Add* | *2.96* | |
| 40 05 23 23-0688 | LF | 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 24.69 | 6.03 |
| | | *For Work In Restricted Working Space, Add* | *3.62* | |
| 40 05 23 23-0689 | LF | 1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 32.96 | 7.13 |
| | | *For Work In Restricted Working Space, Add* | *4.25* | |
| 40 05 23 23-0690 | LF | 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 40.18 | 8.88 |
| | | *For Work In Restricted Working Space, Add* | *5.30* | |
| 40 05 23 23-0691 | LF | 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 44.66 | 9.98 |
| | | *For Work In Restricted Working Space, Add* | *5.98* | |
| 40 05 23 23-0692 | LF | 2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 55.23 | 12.38 |
| | | *For Work In Restricted Working Space, Add* | *7.41* | |
| 40 05 23 23-0693 | LF | 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 66.20 | 14.14 |
| | | *For Work In Restricted Working Space, Add* | *8.46* | |
| 40 05 23 23-0694 | LF | 3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 78.34 | 15.90 |
| | | *For Work In Restricted Working Space, Add* | *9.53* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0695 | LF | 4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 98.70 | 18.86 |
| | | *For Work In Restricted Working Space, Add* | *11.28* | |
| 40 05 23 23-0696 | LF | 6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 144.74 | 24.77 |
| | | *For Work In Restricted Working Space, Add* | *14.81* | |
| 40 05 23 23-0697 | LF | 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 241.84 | 44.74 |
| | | *For Work In Restricted Working Space, Add* | *28.75* | |
| 40 05 23 23-0698 | LF | 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 311.02 | 49.19 |
| | | *For Work In Restricted Working Space, Add* | *31.62* | |
| 40 05 23 23-0699 | LF | 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 373.40 | 54.69 |
| | | *For Work In Restricted Working Space, Add* | *35.14* | |
| 40 05 23 23-0700 | LF | 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 460.93 | 61.49 |
| | | *For Work In Restricted Working Space, Add* | *39.53* | |
| 40 05 23 23-0701 | LF | 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 506.82 | 70.27 |
| | | *For Work In Restricted Working Space, Add* | *45.17* | |
| 40 05 23 23-0702 | LF | 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 566.99 | 81.99 |
| | | *For Work In Restricted Working Space, Add* | *52.70* | |
| 40 05 23 23-0703 | LF | 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 791.34 | 98.38 |
| | | *For Work In Restricted Working Space, Add* | *63.24* | |
| 40 05 23 23-0704 | LF | 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting | 1,033.46 | 122.98 |
| | | *For Work In Restricted Working Space, Add* | *79.05* | |
| 40 05 23 23-0705 | | Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0685)* | | |
| 40 05 23 23-0706 | EA | 1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 131.67 | 56.24 |
| | | *For Work In Restricted Working Space, Add* | *37.49* | |
| 40 05 23 23-0707 | EA | 3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 139.36 | 59.69 |
| | | *For Work In Restricted Working Space, Add* | *39.79* | |
| 40 05 23 23-0708 | EA | 1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 153.71 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0709 | EA | 1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 168.42 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0710 | EA | 1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 184.92 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0711 | EA | 2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 206.80 | 87.84 |
| | | *For Work In Restricted Working Space, Add* | *58.56* | |
| 40 05 23 23-0712 | EA | 2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 269.98 | 112.42 |
| | | *For Work In Restricted Working Space, Add* | *74.95* | |
| 40 05 23 23-0713 | EA | 3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 317.83 | 131.76 |
| | | *For Work In Restricted Working Space, Add* | *87.83* | |
| 40 05 23 23-0714 | EA | 4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 390.76 | 157.69 |
| | | *For Work In Restricted Working Space, Add* | *105.13* | |
| 40 05 23 23-0715 | EA | 6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 545.29 | 197.00 |
| | | *For Work In Restricted Working Space, Add* | *131.33* | |
| 40 05 23 23-0716 | EA | 8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 950.81 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0717 | EA | 10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 1,435.64 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0718 | EA | 12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 2,153.32 | 677.61 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |
| 40 05 23 23-0719 | EA | 14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 2,512.49 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-0720 | EA | 16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 3,001.38 | 901.75 |
| | | *For Work In Restricted Working Space, Add* | *601.17* | |
| 40 05 23 23-0721 | EA | 18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 3,779.42 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0722 | EA | 20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 5,278.03 | 1,581.08 |
| | | *For Work In Restricted Working Space, Add* | *1,054.05* | |
| 40 05 23 23-0723 | EA | 24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow | 7,593.55 | 2,258.68 |
| | | *For Work In Restricted Working Space, Add* | *1,505.79* | |
| 40 05 23 23-0724 | | Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0685)* | | |
| 40 05 23 23-0725 | EA | 1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 133.50 | 56.24 |
| | | *For Work In Restricted Working Space, Add* | *37.49* | |
| 40 05 23 23-0726 | EA | 3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 141.19 | 59.69 |
| | | *For Work In Restricted Working Space, Add* | *39.79* | |
| 40 05 23 23-0727 | EA | 1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 155.54 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0728 | EA | 1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 170.87 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0729 | EA | 1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 184.92 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0730 | EA | 2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 206.80 | 87.84 |
| | | *For Work In Restricted Working Space, Add* | *58.56* | |
| 40 05 23 23-0731 | EA | 2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 268.15 | 112.42 |
| | | *For Work In Restricted Working Space, Add* | *74.95* | |
| 40 05 23 23-0732 | EA | 3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 315.08 | 131.76 |
| | | *For Work In Restricted Working Space, Add* | *87.83* | |
| 40 05 23 23-0733 | EA | 4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 384.34 | 157.69 |
| | | *For Work In Restricted Working Space, Add* | *105.13* | |
| 40 05 23 23-0734 | EA | 6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 507.42 | 197.00 |
| | | *For Work In Restricted Working Space, Add* | *131.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0735 | EA | 8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 882.85 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0736 | EA | 10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 1,408.29 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0737 | EA | 12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 2,062.61 | 677.61 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |
| 40 05 23 23-0738 | EA | 14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 2,427.49 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-0739 | EA | 16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 2,845.53 | 901.75 |
| | | *For Work In Restricted Working Space, Add* | *601.17* | |
| 40 05 23 23-0740 | EA | 18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 3,595.89 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0741 | EA | 20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 5,113.12 | 1,581.08 |
| | | *For Work In Restricted Working Space, Add* | *1,054.05* | |
| 40 05 23 23-0742 | EA | 24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow | 7,373.91 | 2,258.68 |
| | | *For Work In Restricted Working Space, Add* | *1,505.79* | |

### 40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees *(40 05 23 23-0685)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0744 | EA | 1/2", Type 316, Schedule 10 Stainless Steel Tee | 179.60 | 71.47 |
| | | *For Work In Restricted Working Space, Add* | *47.65* | |
| 40 05 23 23-0745 | EA | 3/4", Type 316, Schedule 10 Stainless Steel Tee | 215.74 | 87.74 |
| | | *For Work In Restricted Working Space, Add* | *58.49* | |
| 40 05 23 23-0746 | EA | 1", Type 316, Schedule 10 Stainless Steel Tee | 239.83 | 98.58 |
| | | *For Work In Restricted Working Space, Add* | *65.72* | |
| 40 05 23 23-0747 | EA | 1-1/4", Type 316, Schedule 10 Stainless Steel Tee | 275.81 | 112.42 |
| | | *For Work In Restricted Working Space, Add* | *74.95* | |
| 40 05 23 23-0748 | EA | 1-1/2", Type 316, Schedule 10 Stainless Steel Tee | 290.75 | 120.67 |
| | | *For Work In Restricted Working Space, Add* | *80.45* | |
| 40 05 23 23-0749 | EA | 2", Type 316, Schedule 10 Stainless Steel Tee | 315.68 | 131.61 |
| | | *For Work In Restricted Working Space, Add* | *87.74* | |
| 40 05 23 23-0750 | EA | 2-1/2", Type 316, Schedule 10 Stainless Steel Tee | 384.65 | 157.69 |
| | | *For Work In Restricted Working Space, Add* | *105.13* | |
| 40 05 23 23-0751 | EA | 3", Type 316, Schedule 10 Stainless Steel Tee | 482.25 | 197.63 |
| | | *For Work In Restricted Working Space, Add* | *131.75* | |
| 40 05 23 23-0752 | EA | 4", Type 316, Schedule 10 Stainless Steel Tee | 556.11 | 221.80 |
| | | *For Work In Restricted Working Space, Add* | *147.87* | |
| 40 05 23 23-0753 | EA | 6", Type 316, Schedule 10 Stainless Steel Tee | 828.23 | 295.73 |
| | | *For Work In Restricted Working Space, Add* | *197.16* | |
| 40 05 23 23-0754 | EA | 8", Type 316, Schedule 10 Stainless Steel Tee | 1,417.83 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0755 | EA | 10", Type 316, Schedule 10 Stainless Steel Tee | 2,215.99 | 677.61 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |
| 40 05 23 23-0756 | EA | 12", Type 316, Schedule 10 Stainless Steel Tee | 2,855.99 | 847.01 |
| | | *For Work In Restricted Working Space, Add* | *564.67* | |
| 40 05 23 23-0757 | EA | 14", Type 316, Schedule 10 Stainless Steel Tee | 3,676.60 | 1,017.86 |
| | | *For Work In Restricted Working Space, Add* | *678.57* | |
| 40 05 23 23-0758 | EA | 16", Type 316, Schedule 10 Stainless Steel Tee | 4,335.31 | 1,241.68 |
| | | *For Work In Restricted Working Space, Add* | *827.79* | |
| 40 05 23 23-0759 | EA | 18", Type 316, Schedule 10 Stainless Steel Tee | 5,509.83 | 1,581.08 |
| | | *For Work In Restricted Working Space, Add* | *1,054.05* | |
| 40 05 23 23-0760 | EA | 20", Type 316, Schedule 10 Stainless Steel Tee | 7,438.64 | 2,080.37 |
| | | *For Work In Restricted Working Space, Add* | *1,386.91* | |
| 40 05 23 23-0761 | EA | 24", Type 316, Schedule 10 Stainless Steel Tee | 10,613.47 | 3,162.16 |
| | | *For Work In Restricted Working Space, Add* | *2,108.10* | |

### 40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0685)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0763 | EA | 3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee | 172.10 | 59.71 |
| | | *For Work In Restricted Working Space, Add* | *39.81* | |
| 40 05 23 23-0764 | EA | 1", Type 316, Schedule 10 Stainless Steel Reducing Tee | 203.83 | 73.17 |
| | | *For Work In Restricted Working Space, Add* | *48.78* | |
| 40 05 23 23-0765 | EA | 1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee | 251.12 | 82.22 |
| | | *For Work In Restricted Working Space, Add* | *54.81* | |
| 40 05 23 23-0766 | EA | 1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee | 255.32 | 93.72 |
| | | *For Work In Restricted Working Space, Add* | *62.48* | |
| 40 05 23 23-0767 | EA | 2", Type 316, Schedule 10 Stainless Steel Reducing Tee | 270.85 | 100.71 |
| | | *For Work In Restricted Working Space, Add* | *67.14* | |
| 40 05 23 23-0768 | EA | 2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee | 375.55 | 109.75 |
| | | *For Work In Restricted Working Space, Add* | *73.17* | |
| 40 05 23 23-0769 | EA | 3", Type 316, Schedule 10 Stainless Steel Reducing Tee | 359.86 | 131.55 |
| | | *For Work In Restricted Working Space, Add* | *87.71* | |
| 40 05 23 23-0770 | EA | 4", Type 316, Schedule 10 Stainless Steel Reducing Tee | 487.57 | 164.43 |
| | | *For Work In Restricted Working Space, Add* | *109.62* | |
| 40 05 23 23-0771 | EA | 6", Type 316, Schedule 10 Stainless Steel Reducing Tee | 699.42 | 187.87 |
| | | *For Work In Restricted Working Space, Add* | *125.25* | |
| 40 05 23 23-0772 | EA | 8", Type 316, Schedule 10 Stainless Steel Reducing Tee | 1,388.08 | 282.34 |
| | | *For Work In Restricted Working Space, Add* | *188.22* | |
| 40 05 23 23-0773 | EA | 10", Type 316, Schedule 10 Stainless Steel Reducing Tee | 2,561.10 | 376.45 |
| | | *For Work In Restricted Working Space, Add* | *250.97* | |
| 40 05 23 23-0774 | EA | 12", Type 316, Schedule 10 Stainless Steel Reducing Tee | 3,344.52 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| 40 05 23 23-0775 | EA | 14", Type 316, Schedule 10 Stainless Steel Reducing Tee | 3,800.41 | 678.39 |
| | | *For Work In Restricted Working Space, Add* | *452.26* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0776 | EA | 16", Type 316, Schedule 10 Stainless Steel Reducing Tee | 4,710.48 | 827.50 |
| | | *For Work In Restricted Working Space, Add* | *551.67* | |
| 40 05 23 23-0777 | EA | 18", Type 316, Schedule 10 Stainless Steel Reducing Tee | 6,087.02 | 1,054.05 |
| | | *For Work In Restricted Working Space, Add* | *702.70* | |
| 40 05 23 23-0778 | EA | 20", Type 316, Schedule 10 Stainless Steel Reducing Tee | 8,689.78 | 1,386.91 |
| | | *For Work In Restricted Working Space, Add* | *924.61* | |
| 40 05 23 23-0779 | EA | 24", Type 316, Schedule 10 Stainless Steel Reducing Tee | 13,611.92 | 2,106.23 |
| | | *For Work In Restricted Working Space, Add* | *1,404.16* | |

## 40 05 23 23-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0685)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0781 | EA | 3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 133.80 | 54.30 |
| | | *For Work In Restricted Working Space, Add* | *36.20* | |
| 40 05 23 23-0782 | EA | 1", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 147.69 | 59.17 |
| | | *For Work In Restricted Working Space, Add* | *39.45* | |
| 40 05 23 23-0783 | EA | 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 164.87 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0784 | EA | 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 172.31 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0785 | EA | 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 187.36 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0786 | EA | 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 247.89 | 98.66 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 40 05 23 23-0787 | EA | 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 288.99 | 112.31 |
| | | *For Work In Restricted Working Space, Add* | *74.88* | |
| 40 05 23 23-0788 | EA | 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 315.72 | 131.61 |
| | | *For Work In Restricted Working Space, Add* | *87.74* | |
| 40 05 23 23-0789 | EA | 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 439.84 | 167.56 |
| | | *For Work In Restricted Working Space, Add* | *111.70* | |
| 40 05 23 23-0790 | EA | 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 702.35 | 271.04 |
| | | *For Work In Restricted Working Space, Add* | *180.70* | |
| 40 05 23 23-0791 | EA | 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 909.92 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0792 | EA | 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 1,217.62 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0793 | EA | 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 1,731.79 | 592.91 |
| | | *For Work In Restricted Working Space, Add* | *395.27* | |
| 40 05 23 23-0794 | EA | 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 2,011.13 | 675.67 |
| | | *For Work In Restricted Working Space, Add* | *450.45* | |
| 40 05 23 23-0795 | EA | 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 2,489.91 | 847.01 |
| | | *For Work In Restricted Working Space, Add* | *564.67* | |
| 40 05 23 23-0796 | EA | 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 3,504.67 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0797 | EA | 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer | 5,098.63 | 1,694.01 |
| | | *For Work In Restricted Working Space, Add* | *1,129.34* | |
| 40 05 23 23-0798 | EA | 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 157.54 | 54.30 |
| | | *For Work In Restricted Working Space, Add* | *36.20* | |
| 40 05 23 23-0799 | EA | 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 175.88 | 59.17 |
| | | *For Work In Restricted Working Space, Add* | *39.45* | |
| 40 05 23 23-0800 | EA | 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 198.30 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0801 | EA | 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 211.40 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0802 | EA | 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 211.49 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0803 | EA | 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 281.24 | 98.66 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 40 05 23 23-0804 | EA | 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 323.20 | 112.31 |
| | | *For Work In Restricted Working Space, Add* | *74.88* | |
| 40 05 23 23-0805 | EA | 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 362.11 | 131.61 |
| | | *For Work In Restricted Working Space, Add* | *87.74* | |
| 40 05 23 23-0806 | EA | 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 519.56 | 167.56 |
| | | *For Work In Restricted Working Space, Add* | *111.70* | |
| 40 05 23 23-0807 | EA | 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 875.11 | 271.04 |
| | | *For Work In Restricted Working Space, Add* | *180.70* | |
| 40 05 23 23-0808 | EA | 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 1,207.45 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0809 | EA | 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 1,526.36 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0810 | EA | 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 2,317.27 | 592.91 |
| | | *For Work In Restricted Working Space, Add* | *395.27* | |
| 40 05 23 23-0811 | EA | 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 2,718.77 | 675.67 |
| | | *For Work In Restricted Working Space, Add* | *450.45* | |
| 40 05 23 23-0812 | EA | 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 3,369.09 | 847.01 |
| | | *For Work In Restricted Working Space, Add* | *564.67* | |
| 40 05 23 23-0813 | EA | 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 4,910.76 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0814 | EA | 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer | 6,768.47 | 1,694.01 |
| | | *For Work In Restricted Working Space, Add* | *1,129.34* | |

## 40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0685)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0816 | EA | 1/2", Type 316, Schedule 10 Stainless Steel Cap | 75.93 | 28.12 |
| | | *For Work In Restricted Working Space, Add* | *18.75* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0817 | EA | 3/4", Type 316, Schedule 10 Stainless Steel Cap | 84.34 | 29.84 |
| | | *For Work In Restricted Working Space, Add* | *19.90* | |
| 40 05 23 23-0818 | EA | 1", Type 316, Schedule 10 Stainless Steel Cap | 92.44 | 32.80 |
| | | *For Work In Restricted Working Space, Add* | *21.87* | |
| 40 05 23 23-0819 | EA | 1-1/4", Type 316, Schedule 10 Stainless Steel Cap | 101.09 | 35.75 |
| | | *For Work In Restricted Working Space, Add* | *23.83* | |
| 40 05 23 23-0820 | EA | 1-1/2", Type 316, Schedule 10 Stainless Steel Cap | 109.11 | 39.47 |
| | | *For Work In Restricted Working Space, Add* | *26.32* | |
| 40 05 23 23-0821 | EA | 2", Type 316, Schedule 10 Stainless Steel Cap | 114.39 | 43.92 |
| | | *For Work In Restricted Working Space, Add* | *29.28* | |
| 40 05 23 23-0822 | EA | 2-1/2", Type 316, Schedule 10 Stainless Steel Cap | 142.68 | 56.21 |
| | | *For Work In Restricted Working Space, Add* | *37.47* | |
| 40 05 23 23-0823 | EA | 3", Type 316, Schedule 10 Stainless Steel Cap | 168.99 | 65.88 |
| | | *For Work In Restricted Working Space, Add* | *43.92* | |
| 40 05 23 23-0824 | EA | 4", Type 316, Schedule 10 Stainless Steel Cap | 202.41 | 78.85 |
| | | *For Work In Restricted Working Space, Add* | *52.57* | |
| 40 05 23 23-0825 | EA | 6", Type 316, Schedule 10 Stainless Steel Cap | 264.44 | 98.66 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 40 05 23 23-0826 | EA | 8", Type 316, Schedule 10 Stainless Steel Cap | 457.60 | 169.40 |
| | | *For Work In Restricted Working Space, Add* | *112.94* | |
| 40 05 23 23-0827 | EA | 10", Type 316, Schedule 10 Stainless Steel Cap | 607.00 | 225.87 |
| | | *For Work In Restricted Working Space, Add* | *150.58* | |
| 40 05 23 23-0828 | EA | 12", Type 316, Schedule 10 Stainless Steel Cap | 893.69 | 338.80 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0829 | EA | 14", Type 316, Schedule 10 Stainless Steel Cap | 1,039.37 | 395.27 |
| | | *For Work In Restricted Working Space, Add* | *263.51* | |
| 40 05 23 23-0830 | EA | 16", Type 316, Schedule 10 Stainless Steel Cap | 1,195.27 | 450.88 |
| | | *For Work In Restricted Working Space, Add* | *300.59* | |
| 40 05 23 23-0831 | EA | 18", Type 316, Schedule 10 Stainless Steel Cap | 1,506.63 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| 40 05 23 23-0832 | EA | 20", Type 316, Schedule 10 Stainless Steel Cap | 2,087.02 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-0833 | EA | 24", Type 316, Schedule 10 Stainless Steel Cap | 3,157.13 | 1,129.33 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |

### 40 05 23 23-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

### 40 05 23 23-0835 Type 316, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0834)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0836 | LF | 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 23.69 | 4.94 |
| | | *For Work In Restricted Working Space, Add* | *2.96* | |
| 40 05 23 23-0837 | LF | 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 28.77 | 6.03 |
| | | *For Work In Restricted Working Space, Add* | *3.62* | |
| 40 05 23 23-0838 | LF | 1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 35.36 | 7.13 |
| | | *For Work In Restricted Working Space, Add* | *4.25* | |
| 40 05 23 23-0839 | LF | 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 44.20 | 8.77 |
| | | *For Work In Restricted Working Space, Add* | *5.30* | |
| 40 05 23 23-0840 | LF | 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 50.99 | 9.86 |
| | | *For Work In Restricted Working Space, Add* | *5.98* | |
| 40 05 23 23-0841 | LF | 2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 65.49 | 12.61 |
| | | *For Work In Restricted Working Space, Add* | *7.41* | |
| 40 05 23 23-0842 | LF | 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 81.70 | 14.25 |
| | | *For Work In Restricted Working Space, Add* | *8.46* | |
| 40 05 23 23-0843 | LF | 3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 78.86 | 15.90 |
| | | *For Work In Restricted Working Space, Add* | *9.53* | |
| 40 05 23 23-0844 | LF | 4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 132.84 | 18.63 |
| | | *For Work In Restricted Working Space, Add* | *11.28* | |
| 40 05 23 23-0845 | LF | 6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 208.48 | 24.67 |
| | | *For Work In Restricted Working Space, Add* | *14.81* | |
| 40 05 23 23-0846 | LF | 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 368.56 | 44.50 |
| | | *For Work In Restricted Working Space, Add* | *28.75* | |
| 40 05 23 23-0847 | LF | 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 469.05 | 49.19 |
| | | *For Work In Restricted Working Space, Add* | *31.62* | |
| 40 05 23 23-0848 | LF | 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting | 586.84 | 54.46 |
| | | *For Work In Restricted Working Space, Add* | *35.14* | |

### 40 05 23 23-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0834)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0850 | EA | 1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 133.20 | 56.24 |
| | | *For Work In Restricted Working Space, Add* | *37.49* | |
| 40 05 23 23-0851 | EA | 3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 140.89 | 59.69 |
| | | *For Work In Restricted Working Space, Add* | *39.79* | |
| 40 05 23 23-0852 | EA | 1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 155.24 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0853 | EA | 1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 169.09 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0854 | EA | 1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 186.45 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0855 | EA | 2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 210.46 | 87.84 |
| | | *For Work In Restricted Working Space, Add* | *58.56* | |
| 40 05 23 23-0856 | EA | 2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 281.28 | 112.42 |
| | | *For Work In Restricted Working Space, Add* | *74.95* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0857 | EA | 3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 333.71 | 131.76 |
| | | *For Work In Restricted Working Space, Add* | *87.83* | |
| 40 05 23 23-0858 | EA | 4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 425.58 | 157.69 |
| | | *For Work In Restricted Working Space, Add* | *105.13* | |
| 40 05 23 23-0859 | EA | 6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 667.46 | 197.00 |
| | | *For Work In Restricted Working Space, Add* | *131.33* | |
| 40 05 23 23-0860 | EA | 8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 1,184.67 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0861 | EA | 10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 1,946.93 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0862 | EA | 12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 2,771.82 | 677.61 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |
| 40 05 23 23-0863 | EA | 14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 3,096.27 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-0864 | EA | 16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 3,763.52 | 901.75 |
| | | *For Work In Restricted Working Space, Add* | *601.17* | |
| 40 05 23 23-0865 | EA | 18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 4,807.30 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0866 | EA | 20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 6,486.99 | 1,581.08 |
| | | *For Work In Restricted Working Space, Add* | *1,054.05* | |
| 40 05 23 23-0867 | EA | 24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow | 9,418.42 | 2,258.68 |
| | | *For Work In Restricted Working Space, Add* | *1,505.79* | |

### 40 05 23 23-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0834)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0869 | EA | 1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 136.25 | 56.24 |
| | | *For Work In Restricted Working Space, Add* | *37.49* | |
| 40 05 23 23-0870 | EA | 3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 143.94 | 59.69 |
| | | *For Work In Restricted Working Space, Add* | *39.79* | |
| 40 05 23 23-0871 | EA | 1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 157.07 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0872 | EA | 1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 169.98 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0873 | EA | 1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 188.28 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0874 | EA | 2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 210.46 | 87.84 |
| | | *For Work In Restricted Working Space, Add* | *58.56* | |
| 40 05 23 23-0875 | EA | 2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 281.28 | 112.42 |
| | | *For Work In Restricted Working Space, Add* | *74.95* | |
| 40 05 23 23-0876 | EA | 3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 321.80 | 131.76 |
| | | *For Work In Restricted Working Space, Add* | *87.83* | |
| 40 05 23 23-0877 | EA | 4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 402.97 | 157.69 |
| | | *For Work In Restricted Working Space, Add* | *105.13* | |
| 40 05 23 23-0878 | EA | 6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 574.61 | 197.00 |
| | | *For Work In Restricted Working Space, Add* | *131.33* | |
| 40 05 23 23-0879 | EA | 8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 1,021.08 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0880 | EA | 10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 1,569.92 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0881 | EA | 12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 2,267.11 | 677.61 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |
| 40 05 23 23-0882 | EA | 14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 2,573.91 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-0883 | EA | 16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 2,906.54 | 901.75 |
| | | *For Work In Restricted Working Space, Add* | *601.17* | |
| 40 05 23 23-0884 | EA | 18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 3,740.42 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0885 | EA | 20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 5,079.66 | 1,581.08 |
| | | *For Work In Restricted Working Space, Add* | *1,054.05* | |
| 40 05 23 23-0886 | EA | 24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow | 7,538.98 | 2,258.68 |
| | | *For Work In Restricted Working Space, Add* | *1,505.79* | |

### 40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0834)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0888 | EA | 1/2", Type 316, Schedule 40 Stainless Steel Tee | 181.43 | 71.47 |
| | | *For Work In Restricted Working Space, Add* | *47.65* | |
| 40 05 23 23-0889 | EA | 3/4", Type 316, Schedule 40 Stainless Steel Tee | 217.57 | 87.74 |
| | | *For Work In Restricted Working Space, Add* | *58.49* | |
| 40 05 23 23-0890 | EA | 1", Type 316, Schedule 40 Stainless Steel Tee | 241.66 | 98.58 |
| | | *For Work In Restricted Working Space, Add* | *65.72* | |
| 40 05 23 23-0891 | EA | 1-1/4", Type 316, Schedule 40 Stainless Steel Tee | 278.47 | 112.42 |
| | | *For Work In Restricted Working Space, Add* | *74.95* | |
| 40 05 23 23-0892 | EA | 1-1/2", Type 316, Schedule 40 Stainless Steel Tee | 290.75 | 120.67 |
| | | *For Work In Restricted Working Space, Add* | *80.45* | |
| 40 05 23 23-0893 | EA | 2", Type 316, Schedule 40 Stainless Steel Tee | 316.90 | 131.61 |
| | | *For Work In Restricted Working Space, Add* | *87.74* | |
| 40 05 23 23-0894 | EA | 2-1/2", Type 316, Schedule 40 Stainless Steel Tee | 395.53 | 157.69 |
| | | *For Work In Restricted Working Space, Add* | *105.13* | |
| 40 05 23 23-0895 | EA | 3", Type 316, Schedule 40 Stainless Steel Tee | 488.05 | 197.63 |
| | | *For Work In Restricted Working Space, Add* | *131.75* | |
| 40 05 23 23-0896 | EA | 4", Type 316, Schedule 40 Stainless Steel Tee | 566.19 | 221.80 |
| | | *For Work In Restricted Working Space, Add* | *147.87* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0897 | EA | 6", Type 316, Schedule 40 Stainless Steel Tee | 900.01 | 295.73 |
| | | *For Work In Restricted Working Space, Add* | *197.16* | |
| 40 05 23 23-0898 | EA | 8", Type 316, Schedule 40 Stainless Steel Tee | 1,602.24 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0899 | EA | 10", Type 316, Schedule 40 Stainless Steel Tee | 2,702.87 | 677.61 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |
| 40 05 23 23-0900 | EA | 12", Type 316, Schedule 40 Stainless Steel Tee | 3,322.76 | 847.01 |
| | | *For Work In Restricted Working Space, Add* | *564.67* | |
| 40 05 23 23-0901 | EA | 14", Type 316, Schedule 40 Stainless Steel Tee | 4,774.62 | 1,017.86 |
| | | *For Work In Restricted Working Space, Add* | *678.57* | |
| 40 05 23 23-0902 | EA | 16", Type 316, Schedule 40 Stainless Steel Tee | 5,917.59 | 1,241.68 |
| | | *For Work In Restricted Working Space, Add* | *827.79* | |
| 40 05 23 23-0903 | EA | 18", Type 316, Schedule 40 Stainless Steel Tee | 7,666.75 | 1,581.08 |
| | | *For Work In Restricted Working Space, Add* | *1,054.05* | |
| 40 05 23 23-0904 | EA | 20", Type 316, Schedule 40 Stainless Steel Tee | 9,958.61 | 2,080.37 |
| | | *For Work In Restricted Working Space, Add* | *1,386.91* | |
| 40 05 23 23-0905 | EA | 24", Type 316, Schedule 40 Stainless Steel Tee | 14,253.02 | 3,162.16 |
| | | *For Work In Restricted Working Space, Add* | *2,108.10* | |

### 40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0834)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0907 | EA | 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee | 177.90 | 59.71 |
| | | *For Work In Restricted Working Space, Add* | *39.81* | |
| 40 05 23 23-0908 | EA | 1", Type 316, Schedule 40 Stainless Steel Reducing Tee | 207.80 | 73.17 |
| | | *For Work In Restricted Working Space, Add* | *48.78* | |
| 40 05 23 23-0909 | EA | 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee | 275.55 | 82.22 |
| | | *For Work In Restricted Working Space, Add* | *54.81* | |
| 40 05 23 23-0910 | EA | 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee | 264.78 | 93.72 |
| | | *For Work In Restricted Working Space, Add* | *62.48* | |
| 40 05 23 23-0911 | EA | 2", Type 316, Schedule 40 Stainless Steel Reducing Tee | 270.85 | 100.71 |
| | | *For Work In Restricted Working Space, Add* | *67.14* | |
| 40 05 23 23-0912 | EA | 2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee | 377.38 | 109.75 |
| | | *For Work In Restricted Working Space, Add* | *73.17* | |
| 40 05 23 23-0913 | EA | 3", Type 316, Schedule 40 Stainless Steel Reducing Tee | 372.99 | 131.55 |
| | | *For Work In Restricted Working Space, Add* | *87.71* | |
| 40 05 23 23-0914 | EA | 4", Type 316, Schedule 40 Stainless Steel Reducing Tee | 500.71 | 164.43 |
| | | *For Work In Restricted Working Space, Add* | *109.62* | |
| 40 05 23 23-0915 | EA | 6", Type 316, Schedule 40 Stainless Steel Reducing Tee | 707.67 | 187.87 |
| | | *For Work In Restricted Working Space, Add* | *125.25* | |
| 40 05 23 23-0916 | EA | 8", Type 316, Schedule 40 Stainless Steel Reducing Tee | 1,225.79 | 282.34 |
| | | *For Work In Restricted Working Space, Add* | *188.22* | |
| 40 05 23 23-0917 | EA | 10", Type 316, Schedule 40 Stainless Steel Reducing Tee | 2,601.68 | 376.45 |
| | | *For Work In Restricted Working Space, Add* | *250.97* | |
| 40 05 23 23-0918 | EA | 12", Type 316, Schedule 40 Stainless Steel Reducing Tee | 3,425.67 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| 40 05 23 23-0919 | EA | 14", Type 316, Schedule 40 Stainless Steel Reducing Tee | 3,889.45 | 678.39 |
| | | *For Work In Restricted Working Space, Add* | *452.26* | |
| 40 05 23 23-0920 | EA | 16", Type 316, Schedule 40 Stainless Steel Reducing Tee | 4,821.99 | 827.50 |
| | | *For Work In Restricted Working Space, Add* | *551.67* | |
| 40 05 23 23-0921 | EA | 18", Type 316, Schedule 40 Stainless Steel Reducing Tee | 6,232.44 | 1,054.05 |
| | | *For Work In Restricted Working Space, Add* | *702.70* | |
| 40 05 23 23-0922 | EA | 20", Type 316, Schedule 40 Stainless Steel Reducing Tee | 8,907.55 | 1,386.91 |
| | | *For Work In Restricted Working Space, Add* | *924.61* | |
| 40 05 23 23-0923 | EA | 24", Type 316, Schedule 40 Stainless Steel Reducing Tee | 13,958.75 | 2,106.23 |
| | | *For Work In Restricted Working Space, Add* | *1,404.16* | |

### 40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0834)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0925 | EA | 3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 138.69 | 54.30 |
| | | *For Work In Restricted Working Space, Add* | *36.20* | |
| 40 05 23 23-0926 | EA | 1", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 152.57 | 59.17 |
| | | *For Work In Restricted Working Space, Add* | *39.45* | |
| 40 05 23 23-0927 | EA | 1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 167.09 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0928 | EA | 1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 177.81 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0929 | EA | 2", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 190.72 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0930 | EA | 2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 258.64 | 98.66 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 40 05 23 23-0931 | EA | 3", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 277.08 | 112.31 |
| | | *For Work In Restricted Working Space, Add* | *74.88* | |
| 40 05 23 23-0932 | EA | 4", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 319.96 | 131.61 |
| | | *For Work In Restricted Working Space, Add* | *87.74* | |
| 40 05 23 23-0933 | EA | 6", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 441.98 | 167.56 |
| | | *For Work In Restricted Working Space, Add* | *111.70* | |
| 40 05 23 23-0934 | EA | 8", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 766.26 | 271.04 |
| | | *For Work In Restricted Working Space, Add* | *180.70* | |
| 40 05 23 23-0935 | EA | 10", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 1,030.32 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0936 | EA | 12", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 1,304.04 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0937 | EA | 14", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 1,896.40 | 592.91 |
| | | *For Work In Restricted Working Space, Add* | *395.27* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-0938 | EA | 16", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 2,186.33 | 675.67 |
| | | *For Work In Restricted Working Space, Add* | *450.45* | |
| 40 05 23 23-0939 | EA | 18", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 2,927.52 | 847.01 |
| | | *For Work In Restricted Working Space, Add* | *564.67* | |
| 40 05 23 23-0940 | EA | 20", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 3,972.77 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0941 | EA | 24", Type 316, Schedule 40 Stainless Steel Concentric Reducer | 5,689.71 | 1,694.01 |
| | | *For Work In Restricted Working Space, Add* | *1,129.34* | |
| 40 05 23 23-0942 | EA | 3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 173.20 | 54.30 |
| | | *For Work In Restricted Working Space, Add* | *36.20* | |
| 40 05 23 23-0943 | EA | 1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 184.03 | 59.17 |
| | | *For Work In Restricted Working Space, Add* | *39.45* | |
| 40 05 23 23-0944 | EA | 1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 214.19 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-0945 | EA | 1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 220.87 | 71.49 |
| | | *For Work In Restricted Working Space, Add* | *47.66* | |
| 40 05 23 23-0946 | EA | 2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 236.54 | 78.95 |
| | | *For Work In Restricted Working Space, Add* | *52.64* | |
| 40 05 23 23-0947 | EA | 2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 281.24 | 98.66 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 40 05 23 23-0948 | EA | 3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 365.35 | 112.31 |
| | | *For Work In Restricted Working Space, Add* | *74.88* | |
| 40 05 23 23-0949 | EA | 4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 395.71 | 131.61 |
| | | *For Work In Restricted Working Space, Add* | *87.74* | |
| 40 05 23 23-0950 | EA | 6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 566.29 | 167.56 |
| | | *For Work In Restricted Working Space, Add* | *111.70* | |
| 40 05 23 23-0951 | EA | 8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 859.28 | 271.04 |
| | | *For Work In Restricted Working Space, Add* | *180.70* | |
| 40 05 23 23-0952 | EA | 10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 1,234.82 | 338.81 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0953 | EA | 12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 1,713.07 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-0954 | EA | 14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 2,583.62 | 592.91 |
| | | *For Work In Restricted Working Space, Add* | *395.27* | |
| 40 05 23 23-0955 | EA | 16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 2,977.46 | 675.67 |
| | | *For Work In Restricted Working Space, Add* | *450.45* | |
| 40 05 23 23-0956 | EA | 18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 4,009.00 | 847.01 |
| | | *For Work In Restricted Working Space, Add* | *564.67* | |
| 40 05 23 23-0957 | EA | 20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 5,149.41 | 1,129.35 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |
| 40 05 23 23-0958 | EA | 24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer | 7,719.72 | 1,694.01 |
| | | *For Work In Restricted Working Space, Add* | *1,129.34* | |

### 40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0834)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-0960 | EA | 1/2", Type 316, Schedule 40 Stainless Steel Cap | 76.54 | 28.12 |
| | | *For Work In Restricted Working Space, Add* | *18.75* | |
| 40 05 23 23-0961 | EA | 3/4", Type 316, Schedule 40 Stainless Steel Cap | 84.04 | 29.84 |
| | | *For Work In Restricted Working Space, Add* | *19.90* | |
| 40 05 23 23-0962 | EA | 1", Type 316, Schedule 40 Stainless Steel Cap | 93.05 | 32.80 |
| | | *For Work In Restricted Working Space, Add* | *21.87* | |
| 40 05 23 23-0963 | EA | 1-1/4", Type 316, Schedule 40 Stainless Steel Cap | 106.75 | 35.75 |
| | | *For Work In Restricted Working Space, Add* | *23.83* | |
| 40 05 23 23-0964 | EA | 1-1/2", Type 316, Schedule 40 Stainless Steel Cap | 104.53 | 39.47 |
| | | *For Work In Restricted Working Space, Add* | *26.32* | |
| 40 05 23 23-0965 | EA | 2", Type 316, Schedule 40 Stainless Steel Cap | 118.66 | 43.92 |
| | | *For Work In Restricted Working Space, Add* | *29.28* | |
| 40 05 23 23-0966 | EA | 2-1/2", Type 316, Schedule 40 Stainless Steel Cap | 148.23 | 56.21 |
| | | *For Work In Restricted Working Space, Add* | *37.47* | |
| 40 05 23 23-0967 | EA | 3", Type 316, Schedule 40 Stainless Steel Cap | 169.91 | 65.88 |
| | | *For Work In Restricted Working Space, Add* | *43.92* | |
| 40 05 23 23-0968 | EA | 4", Type 316, Schedule 40 Stainless Steel Cap | 209.13 | 78.85 |
| | | *For Work In Restricted Working Space, Add* | *52.57* | |
| 40 05 23 23-0969 | EA | 6", Type 316, Schedule 40 Stainless Steel Cap | 292.54 | 98.66 |
| | | *For Work In Restricted Working Space, Add* | *65.77* | |
| 40 05 23 23-0970 | EA | 8", Type 316, Schedule 40 Stainless Steel Cap | 510.38 | 169.40 |
| | | *For Work In Restricted Working Space, Add* | *112.94* | |
| 40 05 23 23-0971 | EA | 10", Type 316, Schedule 40 Stainless Steel Cap | 684.67 | 225.87 |
| | | *For Work In Restricted Working Space, Add* | *150.58* | |
| 40 05 23 23-0972 | EA | 12", Type 316, Schedule 40 Stainless Steel Cap | 1,020.73 | 338.80 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-0973 | EA | 14", Type 316, Schedule 40 Stainless Steel Cap | 1,162.49 | 395.27 |
| | | *For Work In Restricted Working Space, Add* | *263.51* | |
| 40 05 23 23-0974 | EA | 16", Type 316, Schedule 40 Stainless Steel Cap | 1,305.54 | 450.88 |
| | | *For Work In Restricted Working Space, Add* | *300.59* | |
| 40 05 23 23-0975 | EA | 18", Type 316, Schedule 40 Stainless Steel Cap | 1,668.10 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| 40 05 23 23-0976 | EA | 20", Type 316, Schedule 40 Stainless Steel Cap | 2,290.29 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-0977 | EA | 24", Type 316, Schedule 40 Stainless Steel Cap | 3,552.99 | 1,129.33 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |

### 40 05 23 23-0978 Valves *(40 05 23 23-0231)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **40 05 23 23-0979** | | **Gate Valves, Class 150** *(40 05 23 23-0978)* | | |
| 40 05 23 23-0980 | EA | 1/2" Gate Valve, Stainless Steel, Flanged | 703.13 | 56.21 |
| | | *For Work In Restricted Working Space, Add* | *21.08* | |
| | | *For Class 200, Deduct* | *-169.29* | |
| | | *For Class 300, Add* | *594.90* | |
| 40 05 23 23-0981 | EA | 3/4" Gate Valve, Stainless Steel, Flanged | 763.20 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *24.59* | |
| | | *For Class 200, Deduct* | *-182.23* | |
| | | *For Class 300, Add* | *640.36* | |
| 40 05 23 23-0982 | EA | 1" Gate Valve, Stainless Steel, Flanged | 939.33 | 87.83 |
| | | *For Work In Restricted Working Space, Add* | *33.14* | |
| | | *For Class 200, Deduct* | *-221.72* | |
| | | *For Class 300, Add* | *779.13* | |
| 40 05 23 23-0983 | EA | 1-1/4" Gate Valve, Stainless Steel, Flanged | 1,185.96 | 102.46 |
| | | *For Work In Restricted Working Space, Add* | *38.18* | |
| | | *For Class 200, Deduct* | *-283.20* | |
| | | *For Class 300, Add* | *995.16* | |
| 40 05 23 23-0984 | EA | 1-1/2" Gate Valve, Stainless Steel, Flanged | 1,334.79 | 128.98 |
| | | *For Work In Restricted Working Space, Add* | *48.37* | |
| | | *For Class 200, Deduct* | *-313.93* | |
| | | *For Class 300, Add* | *1,103.16* | |
| 40 05 23 23-0985 | EA | 2" Gate Valve, Stainless Steel, Flanged | 1,584.00 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| | | *For Class 200, Deduct* | *-371.51* | |
| | | *For Class 300, Add* | *1,305.50* | |
| 40 05 23 23-0986 | EA | 2-1/2" Gate Valve, Stainless Steel, Flanged | 2,284.93 | 169.80 |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| | | *For Class 300, Add* | *1,947.70* | |
| 40 05 23 23-0987 | EA | 3" Gate Valve, Stainless Steel, Flanged | 2,572.25 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| | | *For Class 300, Add* | *2,183.71* | |
| 40 05 23 23-0988 | EA | 4" Gate Valve, Stainless Steel, Flanged | 3,390.03 | 333.74 |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| | | *For Class 300, Add* | *2,793.49* | |
| 40 05 23 23-0989 | EA | 6" Gate Valve, Stainless Steel, Flanged | 5,694.55 | 421.57 |
| | | *For Work In Restricted Working Space, Add* | *158.66* | |
| | | *For Class 300, Add* | *4,855.76* | |
| 40 05 23 23-0990 | EA | 8" Gate Valve, Stainless Steel, Flanged | 12,490.31 | 538.67 |
| | | *For Work In Restricted Working Space, Add* | *200.75* | |
| | | *For Class 300, Add* | *11,111.89* | |
| 40 05 23 23-0991 | EA | 10" Gate Valve, Stainless Steel, Flanged | 17,619.96 | 655.78 |
| | | *For Work In Restricted Working Space, Add* | *245.91* | |
| | | *For Class 300, Add* | *15,792.24* | |
| 40 05 23 23-0992 | EA | 12" Gate Valve, Stainless Steel, Flanged | 26,561.54 | 796.29 |
| | | *For Work In Restricted Working Space, Add* | *298.08* | |
| | | *For Class 300, Add* | *24,033.86* | |
| **40 05 23 23-0993** | | **Globe Valves, Class 150** *(40 05 23 23-0978)* | | |
| 40 05 23 23-0994 | EA | 1/2" Globe Valve, Stainless Steel, Flanged | 964.28 | 56.21 |
| | | *For Work In Restricted Working Space, Add* | *21.08* | |
| | | *For Class 200, Deduct* | *-239.15* | |
| | | *For Class 300, Add* | *840.38* | |
| 40 05 23 23-0995 | EA | 3/4" Globe Valve, Stainless Steel, Flanged | 1,066.68 | 58.55 |
| | | *For Work In Restricted Working Space, Add* | *24.59* | |
| | | *For Class 200, Deduct* | *-263.41* | |
| | | *For Class 300, Add* | *925.63* | |
| 40 05 23 23-0996 | EA | 1" Globe Valve, Stainless Steel, Flanged | 1,328.40 | 87.83 |
| | | *For Work In Restricted Working Space, Add* | *33.14* | |
| | | *For Class 200, Deduct* | *-325.80* | |
| | | *For Class 300, Add* | *1,144.85* | |
| 40 05 23 23-0997 | EA | 1-1/2" Globe Valve, Stainless Steel, Flanged | 1,975.16 | 128.98 |
| | | *For Work In Restricted Working Space, Add* | *48.37* | |
| | | *For Class 200, Deduct* | *-485.23* | |
| | | *For Class 300, Add* | *1,705.10* | |
| 40 05 23 23-0998 | EA | 2" Globe Valve, Stainless Steel, Flanged | 2,410.78 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| | | *For Class 200, Deduct* | *-592.68* | |
| | | *For Class 300, Add* | *2,082.67* | |
| 40 05 23 23-0999 | EA | 2-1/2" Globe Valve, Stainless Steel, Flanged | 4,877.36 | 169.80 |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| | | *For Class 300, Add* | *4,384.58* | |
| 40 05 23 23-1000 | EA | 3" Globe Valve, Stainless Steel, Flanged | 5,043.17 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| | | *For Class 300, Add* | *4,506.38* | |
| 40 05 23 23-1001 | EA | 4" Globe Valve, Stainless Steel, Flanged | 5,989.64 | 333.74 |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| | | *For Class 300, Add* | *5,237.13* | |
| 40 05 23 23-1002 | EA | 6" Globe Valve, Stainless Steel, Flanged | 11,088.62 | 421.57 |
| | | *For Work In Restricted Working Space, Add* | *158.66* | |
| | | *For Class 300, Add* | *9,926.18* | |
| **40 05 23 23-1003** | | **Check Valves, Class 150** *(40 05 23 23-0978)* | | |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-1004 | EA | 2-1/2" Check Valve, Stainless Steel, Flanged | 2,185.50 | 169.80 |
| | | *For Work In Restricted Working Space, Add* | *63.87* | |
| | | *For Class 300, Add* | *1,854.23* | |
| 40 05 23 23-1005 | EA | 3" Check Valve, Stainless Steel, Flanged | 2,283.25 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| | | *For Class 300, Add* | *1,912.05* | |
| 40 05 23 23-1006 | EA | 4" Check Valve, Stainless Steel, Flanged | 3,583.89 | 333.74 |
| | | *For Work In Restricted Working Space, Add* | *125.47* | |
| | | *For Class 300, Add* | *2,975.72* | |
| 40 05 23 23-1007 | EA | 6" Check Valve, Stainless Steel, Flanged | 6,186.63 | 421.57 |
| | | *For Work In Restricted Working Space, Add* | *158.66* | |
| | | *For Class 300, Add* | *5,318.31* | |
| 40 05 23 23-1008 | EA | 8" Check Valve, Stainless Steel, Flanged | 10,907.02 | 538.67 |
| | | *For Work In Restricted Working Space, Add* | *200.75* | |
| | | *For Class 300, Add* | *9,623.60* | |

### 40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings *(40 05 23 23-0231)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-1010 | EA | 1/2", Stainless Steel Thread-o-let Fitting | 91.08 | 33.99 |
| | | *For Work In Restricted Working Space, Add* | *22.67* | |
| 40 05 23 23-1011 | EA | 3/4", Stainless Steel Thread-o-let Fitting | 120.14 | 45.33 |
| | | *For Work In Restricted Working Space, Add* | *30.22* | |
| 40 05 23 23-1012 | EA | 1", Stainless Steel Thread-o-let Fitting | 148.02 | 56.21 |
| | | *For Work In Restricted Working Space, Add* | *37.47* | |
| 40 05 23 23-1013 | EA | 1-1/4", Stainless Steel Thread-o-let Fitting | 212.62 | 79.54 |
| | | *For Work In Restricted Working Space, Add* | *53.03* | |
| 40 05 23 23-1014 | EA | 1-1/2", Stainless Steel Thread-o-let Fitting | 235.18 | 89.70 |
| | | *For Work In Restricted Working Space, Add* | *59.80* | |
| 40 05 23 23-1015 | EA | 2", Stainless Steel Thread-o-let Fitting | 294.03 | 113.94 |
| | | *For Work In Restricted Working Space, Add* | *75.96* | |
| 40 05 23 23-1016 | EA | 2-1/2", Stainless Steel Thread-o-let Fitting | 527.32 | 175.66 |
| | | *For Work In Restricted Working Space, Add* | *117.11* | |
| 40 05 23 23-1017 | EA | 3", Stainless Steel Thread-o-let Fitting | 707.12 | 224.24 |
| | | *For Work In Restricted Working Space, Add* | *149.49* | |
| 40 05 23 23-1018 | EA | 4", Stainless Steel Thread-o-let Fitting | 933.41 | 281.04 |
| | | *For Work In Restricted Working Space, Add* | *187.36* | |

### 40 05 23 23-1019 Stainless Steel Flanges *(40 05 23 23-0231)*

### 40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-1021 | EA | 1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange | 77.96 | 18.89 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-1022 | EA | 3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange | 95.00 | 25.19 |
| | | *For Work In Restricted Working Space, Add* | *15.11* | |
| 40 05 23 23-1023 | EA | 1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange | 112.46 | 31.23 |
| | | *For Work In Restricted Working Space, Add* | *18.74* | |
| 40 05 23 23-1024 | EA | 1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange | 151.77 | 44.20 |
| | | *For Work In Restricted Working Space, Add* | *26.51* | |
| 40 05 23 23-1025 | EA | 1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange | 163.06 | 49.83 |
| | | *For Work In Restricted Working Space, Add* | *29.90* | |
| 40 05 23 23-1026 | EA | 2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange | 209.66 | 63.29 |
| | | *For Work In Restricted Working Space, Add* | *37.98* | |
| 40 05 23 23-1027 | EA | 2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange | 311.24 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-1028 | EA | 3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange | 370.59 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 40 05 23 23-1029 | EA | 4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange | 478.36 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *93.68* | |

### 40 05 23 23-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-1031 | EA | 1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange | 101.18 | 18.89 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-1032 | EA | 3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange | 113.76 | 25.19 |
| | | *For Work In Restricted Working Space, Add* | *15.11* | |
| 40 05 23 23-1033 | EA | 1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange | 125.85 | 31.23 |
| | | *For Work In Restricted Working Space, Add* | *18.74* | |
| 40 05 23 23-1034 | EA | 1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange | 185.73 | 44.20 |
| | | *For Work In Restricted Working Space, Add* | *26.51* | |
| 40 05 23 23-1035 | EA | 1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange | 197.02 | 49.83 |
| | | *For Work In Restricted Working Space, Add* | *29.90* | |
| 40 05 23 23-1036 | EA | 2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange | 244.48 | 63.29 |
| | | *For Work In Restricted Working Space, Add* | *37.98* | |
| 40 05 23 23-1037 | EA | 2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange | 388.94 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-1038 | EA | 3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange | 450.05 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 40 05 23 23-1039 | EA | 4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange | 600.70 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *93.68* | |

### 40 05 23 23-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-1041 | EA | 1/2", 150#, Type 304 Stainless Steel Weld Neck Flange | 102.67 | 28.11 |
| | | *For Work In Restricted Working Space, Add* | *18.75* | |
| 40 05 23 23-1042 | EA | 3/4", 150#, Type 304 Stainless Steel Weld Neck Flange | 110.96 | 29.84 |
| | | *For Work In Restricted Working Space, Add* | *19.90* | |
| 40 05 23 23-1043 | EA | 1", 150#, Type 304 Stainless Steel Weld Neck Flange | 124.67 | 32.80 |
| | | *For Work In Restricted Working Space, Add* | *21.87* | |
| 40 05 23 23-1044 | EA | 1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange | 153.64 | 35.77 |
| | | *For Work In Restricted Working Space, Add* | *23.85* | |
| 40 05 23 23-1045 | EA | 1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange | 161.77 | 39.43 |
| | | *For Work In Restricted Working Space, Add* | *26.29* | |
| 40 05 23 23-1046 | EA | 2", 150#, Type 304 Stainless Steel Weld Neck Flange | 179.77 | 43.93 |
| | | *For Work In Restricted Working Space, Add* | *29.28* | |
| 40 05 23 23-1047 | EA | 2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange | 248.97 | 56.17 |
| | | *For Work In Restricted Working Space, Add* | *37.45* | |
| 40 05 23 23-1048 | EA | 3", 150#, Type 304 Stainless Steel Weld Neck Flange | 281.88 | 65.77 |
| | | *For Work In Restricted Working Space, Add* | *43.85* | |
| 40 05 23 23-1049 | EA | 4", 150#, Type 304 Stainless Steel Weld Neck Flange | 364.42 | 78.80 |
| | | *For Work In Restricted Working Space, Add* | *52.53* | |
| 40 05 23 23-1050 | EA | 6", 150#, Type 304 Stainless Steel Weld Neck Flange | 545.59 | 98.45 |
| | | *For Work In Restricted Working Space, Add* | *65.64* | |
| 40 05 23 23-1051 | EA | 8", 150#, Type 304 Stainless Steel Weld Neck Flange | 930.03 | 169.40 |
| | | *For Work In Restricted Working Space, Add* | *112.94* | |
| 40 05 23 23-1052 | EA | 10", 150#, Type 304 Stainless Steel Weld Neck Flange | 1,318.91 | 225.86 |
| | | *For Work In Restricted Working Space, Add* | *150.58* | |
| 40 05 23 23-1053 | EA | 12", 150#, Type 304 Stainless Steel Weld Neck Flange | 2,027.89 | 338.80 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-1054 | EA | 14", 150#, Type 304 Stainless Steel Weld Neck Flange | 2,535.25 | 395.27 |
| | | *For Work In Restricted Working Space, Add* | *263.51* | |
| 40 05 23 23-1055 | EA | 16", 150#, Type 304 Stainless Steel Weld Neck Flange | 3,164.06 | 450.88 |
| | | *For Work In Restricted Working Space, Add* | *300.59* | |
| 40 05 23 23-1056 | EA | 18", 150#, Type 304 Stainless Steel Weld Neck Flange | 3,881.32 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| 40 05 23 23-1057 | EA | 20", 150#, Type 304 Stainless Steel Weld Neck Flange | 5,028.97 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-1058 | EA | 24", 150#, Type 304 Stainless Steel Weld Neck Flange | 7,146.68 | 1,129.33 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |

### 40 05 23 23-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-1060 | EA | 1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 130.36 | 28.11 |
| | | *For Work In Restricted Working Space, Add* | *18.75* | |
| 40 05 23 23-1061 | EA | 3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 134.19 | 29.84 |
| | | *For Work In Restricted Working Space, Add* | *19.90* | |
| 40 05 23 23-1062 | EA | 1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 140.77 | 32.80 |
| | | *For Work In Restricted Working Space, Add* | *21.87* | |
| 40 05 23 23-1063 | EA | 1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 184.84 | 35.77 |
| | | *For Work In Restricted Working Space, Add* | *23.85* | |
| 40 05 23 23-1064 | EA | 1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 192.97 | 39.43 |
| | | *For Work In Restricted Working Space, Add* | *26.29* | |
| 40 05 23 23-1065 | EA | 2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 206.56 | 43.93 |
| | | *For Work In Restricted Working Space, Add* | *29.28* | |
| 40 05 23 23-1066 | EA | 2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 295.37 | 56.17 |
| | | *For Work In Restricted Working Space, Add* | *37.45* | |
| 40 05 23 23-1067 | EA | 3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 333.65 | 65.77 |
| | | *For Work In Restricted Working Space, Add* | *43.85* | |
| 40 05 23 23-1068 | EA | 4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 485.81 | 78.80 |
| | | *For Work In Restricted Working Space, Add* | *52.53* | |
| 40 05 23 23-1069 | EA | 6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 683.08 | 98.45 |
| | | *For Work In Restricted Working Space, Add* | *65.64* | |
| 40 05 23 23-1070 | EA | 8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 1,272.88 | 169.40 |
| | | *For Work In Restricted Working Space, Add* | *112.94* | |
| 40 05 23 23-1071 | EA | 10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 1,771.61 | 225.86 |
| | | *For Work In Restricted Working Space, Add* | *150.58* | |
| 40 05 23 23-1072 | EA | 12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 2,602.94 | 338.80 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-1073 | EA | 14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 3,444.28 | 395.27 |
| | | *For Work In Restricted Working Space, Add* | *263.51* | |
| 40 05 23 23-1074 | EA | 16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 4,251.15 | 450.88 |
| | | *For Work In Restricted Working Space, Add* | *300.59* | |
| 40 05 23 23-1075 | EA | 18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 5,429.30 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| 40 05 23 23-1076 | EA | 20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 7,009.55 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-1077 | EA | 24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange | 10,205.57 | 1,129.33 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |

### 40 05 23 23-1078 150#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-1079 | EA | 1/2", 150#, Type 304 Stainless Steel Slip-On Flange | 160.66 | 56.23 |
| | | *For Work In Restricted Working Space, Add* | *37.49* | |
| 40 05 23 23-1080 | EA | 3/4", 150#, Type 304 Stainless Steel Slip-On Flange | 169.26 | 59.68 |
| | | *For Work In Restricted Working Space, Add* | *39.79* | |
| 40 05 23 23-1081 | EA | 1", 150#, Type 304 Stainless Steel Slip-On Flange | 185.96 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-1082 | EA | 1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange | 213.48 | 71.55 |
| | | *For Work In Restricted Working Space, Add* | *47.70* | |
| 40 05 23 23-1083 | EA | 1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange | 229.73 | 78.86 |
| | | *For Work In Restricted Working Space, Add* | *52.58* | |
| 40 05 23 23-1084 | EA | 2", 150#, Type 304 Stainless Steel Slip-On Flange | 265.81 | 87.85 |
| | | *For Work In Restricted Working Space, Add* | *58.57* | |
| 40 05 23 23-1085 | EA | 2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange | 348.78 | 112.33 |
| | | *For Work In Restricted Working Space, Add* | *74.90* | |
| 40 05 23 23-1086 | EA | 3", 150#, Type 304 Stainless Steel Slip-On Flange | 398.58 | 131.52 |
| | | *For Work In Restricted Working Space, Add* | *87.69* | |
| 40 05 23 23-1087 | EA | 4", 150#, Type 304 Stainless Steel Slip-On Flange | 494.89 | 157.60 |
| | | *For Work In Restricted Working Space, Add* | *105.07* | |
| 40 05 23 23-1088 | EA | 6", 150#, Type 304 Stainless Steel Slip-On Flange | 658.13 | 196.90 |
| | | *For Work In Restricted Working Space, Add* | *131.27* | |
| 40 05 23 23-1089 | EA | 8", 150#, Type 304 Stainless Steel Slip-On Flange | 1,169.88 | 338.80 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-1090 | EA | 10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange | 1,651.19 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-1091 | EA | 12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange | 2,462.06 | 677.60 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |

## 40 05 23 23-1092 300#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-1093 | EA | 1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange | 178.52 | 56.23 |
| | | *For Work In Restricted Working Space, Add* | *37.49* | |
| 40 05 23 23-1094 | EA | 3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange | 186.21 | 59.68 |
| | | *For Work In Restricted Working Space, Add* | *39.79* | |
| 40 05 23 23-1095 | EA | 1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange | 199.35 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-1096 | EA | 1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange | 241.17 | 71.55 |
| | | *For Work In Restricted Working Space, Add* | *47.70* | |
| 40 05 23 23-1097 | EA | 1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange | 257.42 | 78.86 |
| | | *For Work In Restricted Working Space, Add* | *52.58* | |
| 40 05 23 23-1098 | EA | 2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange | 284.53 | 87.85 |
| | | *For Work In Restricted Working Space, Add* | *58.57* | |
| 40 05 23 23-1099 | EA | 2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange | 418.45 | 112.33 |
| | | *For Work In Restricted Working Space, Add* | *74.90* | |
| 40 05 23 23-1100 | EA | 3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange | 468.20 | 131.52 |
| | | *For Work In Restricted Working Space, Add* | *87.69* | |
| 40 05 23 23-1101 | EA | 4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange | 591.31 | 157.60 |
| | | *For Work In Restricted Working Space, Add* | *105.07* | |
| 40 05 23 23-1102 | EA | 6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange | 930.45 | 196.90 |
| | | *For Work In Restricted Working Space, Add* | *131.27* | |
| 40 05 23 23-1103 | EA | 8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange | 1,444.87 | 338.80 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-1104 | EA | 10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange | 2,094.06 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-1105 | EA | 12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange | 3,031.74 | 677.60 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |

## 40 05 23 23-1106 150#, Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-1107 | EA | 1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 63.10 | 11.24 |
| | | *For Work In Restricted Working Space, Add* | *7.50* | |
| 40 05 23 23-1108 | EA | 3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 65.81 | 11.92 |
| | | *For Work In Restricted Working Space, Add* | *7.96* | |
| 40 05 23 23-1109 | EA | 1", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 71.13 | 13.11 |
| | | *For Work In Restricted Working Space, Add* | *8.75* | |
| 40 05 23 23-1110 | EA | 1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 92.29 | 14.60 |
| | | *For Work In Restricted Working Space, Add* | *9.74* | |
| 40 05 23 23-1111 | EA | 1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 103.68 | 19.73 |
| | | *For Work In Restricted Working Space, Add* | *13.15* | |
| 40 05 23 23-1112 | EA | 2", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 122.81 | 21.90 |
| | | *For Work In Restricted Working Space, Add* | *14.60* | |
| 40 05 23 23-1113 | EA | 2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 167.93 | 28.16 |
| | | *For Work In Restricted Working Space, Add* | *18.78* | |
| 40 05 23 23-1114 | EA | 3", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 203.77 | 39.46 |
| | | *For Work In Restricted Working Space, Add* | *26.31* | |
| 40 05 23 23-1115 | EA | 4", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 308.64 | 65.75 |
| | | *For Work In Restricted Working Space, Add* | *43.84* | |
| 40 05 23 23-1116 | EA | 6", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 425.40 | 84.55 |
| | | *For Work In Restricted Working Space, Add* | *56.37* | |
| 40 05 23 23-1117 | EA | 8", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 669.09 | 105.40 |
| | | *For Work In Restricted Working Space, Add* | *70.27* | |
| 40 05 23 23-1118 | EA | 10", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 1,036.46 | 126.49 |
| | | *For Work In Restricted Working Space, Add* | *84.32* | |
| 40 05 23 23-1119 | EA | 12", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 1,373.69 | 158.11 |
| | | *For Work In Restricted Working Space, Add* | *105.41* | |
| 40 05 23 23-1120 | EA | 14", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 1,747.00 | 197.64 |
| | | *For Work In Restricted Working Space, Add* | *131.76* | |
| 40 05 23 23-1121 | EA | 16", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 2,260.41 | 225.44 |
| | | *For Work In Restricted Working Space, Add* | *150.29* | |
| 40 05 23 23-1122 | EA | 18", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 2,669.11 | 282.34 |
| | | *For Work In Restricted Working Space, Add* | *188.23* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-1123 | EA | 20", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 3,541.04 | 395.27 |
| | | *For Work In Restricted Working Space, Add* | *263.51* | |
| 40 05 23 23-1124 | EA | 24", 150#, Type 304 Stainless Steel Raised Face Blind Flange | 5,159.43 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| **40 05 23 23-1125** | | **300#, Type 304 Stainless Steel Blind Flanges** *(40 05 23 23-1019)* | | |
| 40 05 23 23-1126 | EA | 1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 81.28 | 11.24 |
| | | *For Work In Restricted Working Space, Add* | *7.50* | |
| 40 05 23 23-1127 | EA | 3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 82.81 | 11.92 |
| | | *For Work In Restricted Working Space, Add* | *7.96* | |
| 40 05 23 23-1128 | EA | 1", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 85.43 | 13.11 |
| | | *For Work In Restricted Working Space, Add* | *8.75* | |
| 40 05 23 23-1129 | EA | 1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 109.25 | 14.60 |
| | | *For Work In Restricted Working Space, Add* | *9.74* | |
| 40 05 23 23-1130 | EA | 1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 120.64 | 19.73 |
| | | *For Work In Restricted Working Space, Add* | *13.15* | |
| 40 05 23 23-1131 | EA | 2", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 131.73 | 21.90 |
| | | *For Work In Restricted Working Space, Add* | *14.60* | |
| 40 05 23 23-1132 | EA | 2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 230.43 | 28.16 |
| | | *For Work In Restricted Working Space, Add* | *18.78* | |
| 40 05 23 23-1133 | EA | 3", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 262.26 | 39.46 |
| | | *For Work In Restricted Working Space, Add* | *26.31* | |
| 40 05 23 23-1134 | EA | 4", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 381.83 | 65.75 |
| | | *For Work In Restricted Working Space, Add* | *43.84* | |
| 40 05 23 23-1135 | EA | 6", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 727.18 | 84.55 |
| | | *For Work In Restricted Working Space, Add* | *56.37* | |
| 40 05 23 23-1136 | EA | 8", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 1,029.80 | 105.40 |
| | | *For Work In Restricted Working Space, Add* | *70.27* | |
| 40 05 23 23-1137 | EA | 10", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 1,475.72 | 126.49 |
| | | *For Work In Restricted Working Space, Add* | *84.32* | |
| 40 05 23 23-1138 | EA | 12", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 2,047.81 | 158.11 |
| | | *For Work In Restricted Working Space, Add* | *105.41* | |
| 40 05 23 23-1139 | EA | 14", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 2,871.35 | 197.64 |
| | | *For Work In Restricted Working Space, Add* | *131.76* | |
| 40 05 23 23-1140 | EA | 16", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 3,679.95 | 225.44 |
| | | *For Work In Restricted Working Space, Add* | *150.29* | |
| 40 05 23 23-1141 | EA | 18", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 4,805.49 | 282.34 |
| | | *For Work In Restricted Working Space, Add* | *188.23* | |
| 40 05 23 23-1142 | EA | 20", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 6,075.74 | 395.27 |
| | | *For Work In Restricted Working Space, Add* | *263.51* | |
| 40 05 23 23-1143 | EA | 24", 300#, Type 304 Stainless Steel Raised Face Blind Flange | 9,328.39 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| **40 05 23 23-1144** | | **150#, Type 316 Stainless Steel Raised Face Threaded Flange** *(40 05 23 23-1019)* | | |
| 40 05 23 23-1145 | EA | 1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange | 94.06 | 18.89 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-1146 | EA | 3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange | 115.57 | 25.19 |
| | | *For Work In Restricted Working Space, Add* | *15.11* | |
| 40 05 23 23-1147 | EA | 1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange | 132.08 | 31.23 |
| | | *For Work In Restricted Working Space, Add* | *18.74* | |
| 40 05 23 23-1148 | EA | 1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange | 181.22 | 44.20 |
| | | *For Work In Restricted Working Space, Add* | *26.51* | |
| 40 05 23 23-1149 | EA | 1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange | 192.51 | 49.83 |
| | | *For Work In Restricted Working Space, Add* | *29.90* | |
| 40 05 23 23-1150 | EA | 2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange | 241.82 | 63.29 |
| | | *For Work In Restricted Working Space, Add* | *37.98* | |
| 40 05 23 23-1151 | EA | 2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange | 357.69 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-1152 | EA | 3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange | 430.43 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |
| 40 05 23 23-1153 | EA | 4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange | 562.28 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *93.68* | |
| **40 05 23 23-1154** | | **300#, Type 316 Stainless Steel Raised Face Threaded Flange** *(40 05 23 23-1019)* | | |
| 40 05 23 23-1155 | EA | 1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange | 124.41 | 18.89 |
| | | *For Work In Restricted Working Space, Add* | *11.33* | |
| 40 05 23 23-1156 | EA | 3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange | 136.99 | 25.19 |
| | | *For Work In Restricted Working Space, Add* | *15.11* | |
| 40 05 23 23-1157 | EA | 1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange | 149.08 | 31.23 |
| | | *For Work In Restricted Working Space, Add* | *18.74* | |
| 40 05 23 23-1158 | EA | 1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange | 230.37 | 44.20 |
| | | *For Work In Restricted Working Space, Add* | *26.51* | |
| 40 05 23 23-1159 | EA | 1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange | 241.66 | 49.83 |
| | | *For Work In Restricted Working Space, Add* | *29.90* | |
| 40 05 23 23-1160 | EA | 2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange | 283.75 | 63.29 |
| | | *For Work In Restricted Working Space, Add* | *37.98* | |
| 40 05 23 23-1161 | EA | 2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange | 477.33 | 97.55 |
| | | *For Work In Restricted Working Space, Add* | *58.55* | |
| 40 05 23 23-1162 | EA | 3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange | 540.23 | 199.08 |
| | | *For Work In Restricted Working Space, Add* | *74.75* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-1163 | EA | 4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange | 744.42 | 156.10 |
| | | *For Work In Restricted Working Space, Add* | *93.68* | |

## 40 05 23 23-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-1165 | EA | 1/2", 150#, Type 316 Stainless Steel Weld Neck Flange | 123.19 | 28.11 |
| | | *For Work In Restricted Working Space, Add* | *18.75* | |
| 40 05 23 23-1166 | EA | 3/4", 150#, Type 316 Stainless Steel Weld Neck Flange | 131.53 | 29.84 |
| | | *For Work In Restricted Working Space, Add* | *19.90* | |
| 40 05 23 23-1167 | EA | 1", 150#, Type 316 Stainless Steel Weld Neck Flange | 147.89 | 32.80 |
| | | *For Work In Restricted Working Space, Add* | *21.87* | |
| 40 05 23 23-1168 | EA | 1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange | 183.98 | 35.77 |
| | | *For Work In Restricted Working Space, Add* | *23.85* | |
| 40 05 23 23-1169 | EA | 1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange | 192.11 | 39.43 |
| | | *For Work In Restricted Working Space, Add* | *26.29* | |
| 40 05 23 23-1170 | EA | 2", 150#, Type 316 Stainless Steel Weld Neck Flange | 211.02 | 43.93 |
| | | *For Work In Restricted Working Space, Add* | *29.28* | |
| 40 05 23 23-1171 | EA | 2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange | 301.59 | 56.17 |
| | | *For Work In Restricted Working Space, Add* | *37.45* | |
| 40 05 23 23-1172 | EA | 3", 150#, Type 316 Stainless Steel Weld Neck Flange | 329.19 | 65.77 |
| | | *For Work In Restricted Working Space, Add* | *43.85* | |
| 40 05 23 23-1173 | EA | 4", 150#, Type 316 Stainless Steel Weld Neck Flange | 444.78 | 78.80 |
| | | *For Work In Restricted Working Space, Add* | *52.53* | |
| 40 05 23 23-1174 | EA | 6", 150#, Type 316 Stainless Steel Weld Neck Flange | 684.89 | 98.45 |
| | | *For Work In Restricted Working Space, Add* | *65.64* | |
| 40 05 23 23-1175 | EA | 8", 150#, Type 316 Stainless Steel Weld Neck Flange | 1,145.22 | 169.40 |
| | | *For Work In Restricted Working Space, Add* | *112.94* | |
| 40 05 23 23-1176 | EA | 10", 150#, Type 316 Stainless Steel Weld Neck Flange | 1,677.86 | 225.86 |
| | | *For Work In Restricted Working Space, Add* | *150.58* | |
| 40 05 23 23-1177 | EA | 12", 150#, Type 316 Stainless Steel Weld Neck Flange | 2,502.06 | 338.80 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-1178 | EA | 14", 150#, Type 316 Stainless Steel Weld Neck Flange | 2,927.96 | 395.27 |
| | | *For Work In Restricted Working Space, Add* | *263.51* | |
| 40 05 23 23-1179 | EA | 16", 150#, Type 316 Stainless Steel Weld Neck Flange | 3,676.52 | 450.88 |
| | | *For Work In Restricted Working Space, Add* | *300.59* | |
| 40 05 23 23-1180 | EA | 18", 150#, Type 316 Stainless Steel Weld Neck Flange | 4,503.84 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| 40 05 23 23-1181 | EA | 20", 150#, Type 316 Stainless Steel Weld Neck Flange | 5,804.54 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-1182 | EA | 24", 150#, Type 316 Stainless Steel Weld Neck Flange | 8,245.74 | 1,129.33 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |

## 40 05 23 23-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-1184 | EA | 1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 157.14 | 28.11 |
| | | *For Work In Restricted Working Space, Add* | *18.75* | |
| 40 05 23 23-1185 | EA | 3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 160.97 | 29.84 |
| | | *For Work In Restricted Working Space, Add* | *19.90* | |
| 40 05 23 23-1186 | EA | 1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 167.55 | 32.80 |
| | | *For Work In Restricted Working Space, Add* | *21.87* | |
| 40 05 23 23-1187 | EA | 1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 221.50 | 35.77 |
| | | *For Work In Restricted Working Space, Add* | *23.85* | |
| 40 05 23 23-1188 | EA | 1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 229.63 | 39.43 |
| | | *For Work In Restricted Working Space, Add* | *26.29* | |
| 40 05 23 23-1189 | EA | 2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 251.20 | 43.93 |
| | | *For Work In Restricted Working Space, Add* | *29.28* | |
| 40 05 23 23-1190 | EA | 2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 372.16 | 56.17 |
| | | *For Work In Restricted Working Space, Add* | *37.45* | |
| 40 05 23 23-1191 | EA | 3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 405.98 | 65.77 |
| | | *For Work In Restricted Working Space, Add* | *43.85* | |
| 40 05 23 23-1192 | EA | 4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 619.74 | 78.80 |
| | | *For Work In Restricted Working Space, Add* | *52.53* | |
| 40 05 23 23-1193 | EA | 6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 1,014.35 | 98.45 |
| | | *For Work In Restricted Working Space, Add* | *65.64* | |
| 40 05 23 23-1194 | EA | 8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 1,611.32 | 169.40 |
| | | *For Work In Restricted Working Space, Add* | *112.94* | |
| 40 05 23 23-1195 | EA | 10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 2,319.82 | 225.86 |
| | | *For Work In Restricted Working Space, Add* | *150.58* | |
| 40 05 23 23-1196 | EA | 12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 3,408.28 | 338.80 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-1197 | EA | 14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 4,615.62 | 395.27 |
| | | *For Work In Restricted Working Space, Add* | *263.51* | |
| 40 05 23 23-1198 | EA | 16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 5,734.42 | 450.88 |
| | | *For Work In Restricted Working Space, Add* | *300.59* | |
| 40 05 23 23-1199 | EA | 18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 7,334.97 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |
| 40 05 23 23-1200 | EA | 20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 9,407.48 | 790.54 |
| | | *For Work In Restricted Working Space, Add* | *527.03* | |
| 40 05 23 23-1201 | EA | 24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange | 13,718.79 | 1,129.33 |
| | | *For Work In Restricted Working Space, Add* | *752.90* | |

## 40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-1203 | EA | 1/2", 150#, Type 316 Stainless Steel Slip-On Flange | 171.40 | 56.23 |
| | | *For Work In Restricted Working Space, Add* | *37.49* | |
| 40 05 23 23-1204 | EA | 3/4", 150#, Type 316 Stainless Steel Slip-On Flange | 185.36 | 59.68 |
| | | *For Work In Restricted Working Space, Add* | *39.79* | |
| 40 05 23 23-1205 | EA | 1", 150#, Type 316 Stainless Steel Slip-On Flange | 204.40 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-1206 | EA | 1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange | 280.77 | 71.55 |
| | | *For Work In Restricted Working Space, Add* | *47.70* | |
| 40 05 23 23-1207 | EA | 1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange | 251.15 | 78.86 |
| | | *For Work In Restricted Working Space, Add* | *52.58* | |
| 40 05 23 23-1208 | EA | 2", 150#, Type 316 Stainless Steel Slip-On Flange | 271.13 | 87.85 |
| | | *For Work In Restricted Working Space, Add* | *58.57* | |
| 40 05 23 23-1209 | EA | 2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange | 345.22 | 112.33 |
| | | *For Work In Restricted Working Space, Add* | *74.90* | |
| 40 05 23 23-1210 | EA | 3", 150#, Type 316 Stainless Steel Slip-On Flange | 428.93 | 131.52 |
| | | *For Work In Restricted Working Space, Add* | *87.69* | |
| 40 05 23 23-1211 | EA | 4", 150#, Type 316 Stainless Steel Slip-On Flange | 559.15 | 157.60 |
| | | *For Work In Restricted Working Space, Add* | *105.07* | |
| 40 05 23 23-1212 | EA | 6", 150#, Type 316 Stainless Steel Slip-On Flange | 753.64 | 196.90 |
| | | *For Work In Restricted Working Space, Add* | *131.27* | |
| 40 05 23 23-1213 | EA | 8", 150#, Type 316 Stainless Steel Slip-On Flange | 1,367.17 | 338.80 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-1214 | EA | 10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange | 1,920.86 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-1215 | EA | 12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange | 2,822.77 | 677.60 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |

## 40 05 23 23-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-1217 | EA | 1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange | 196.38 | 56.23 |
| | | *For Work In Restricted Working Space, Add* | *37.49* | |
| 40 05 23 23-1218 | EA | 3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange | 204.07 | 59.68 |
| | | *For Work In Restricted Working Space, Add* | *39.79* | |
| 40 05 23 23-1219 | EA | 1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange | 217.21 | 65.60 |
| | | *For Work In Restricted Working Space, Add* | *43.73* | |
| 40 05 23 23-1220 | EA | 1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange | 275.99 | 71.55 |
| | | *For Work In Restricted Working Space, Add* | *47.70* | |
| 40 05 23 23-1221 | EA | 1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange | 292.24 | 78.86 |
| | | *For Work In Restricted Working Space, Add* | *52.58* | |
| 40 05 23 23-1222 | EA | 2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange | 317.45 | 87.85 |
| | | *For Work In Restricted Working Space, Add* | *58.57* | |
| 40 05 23 23-1223 | EA | 2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange | 496.10 | 112.33 |
| | | *For Work In Restricted Working Space, Add* | *74.90* | |
| 40 05 23 23-1224 | EA | 3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange | 547.66 | 131.52 |
| | | *For Work In Restricted Working Space, Add* | *87.69* | |
| 40 05 23 23-1225 | EA | 4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange | 714.50 | 157.60 |
| | | *For Work In Restricted Working Space, Add* | *105.07* | |
| 40 05 23 23-1226 | EA | 6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange | 1,109.93 | 196.90 |
| | | *For Work In Restricted Working Space, Add* | *131.27* | |
| 40 05 23 23-1227 | EA | 8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange | 1,629.71 | 338.80 |
| | | *For Work In Restricted Working Space, Add* | *225.87* | |
| 40 05 23 23-1228 | EA | 10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange | 2,695.85 | 451.73 |
| | | *For Work In Restricted Working Space, Add* | *301.16* | |
| 40 05 23 23-1229 | EA | 12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange | 3,562.10 | 677.60 |
| | | *For Work In Restricted Working Space, Add* | *451.74* | |

## 40 05 23 23-1230 150#, Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-1231 | EA | 1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 71.45 | 11.24 |
| | | *For Work In Restricted Working Space, Add* | *7.50* | |
| 40 05 23 23-1232 | EA | 3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 81.00 | 11.92 |
| | | *For Work In Restricted Working Space, Add* | *7.96* | |
| 40 05 23 23-1233 | EA | 1", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 91.65 | 13.11 |
| | | *For Work In Restricted Working Space, Add* | *8.75* | |
| 40 05 23 23-1234 | EA | 1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 108.34 | 14.60 |
| | | *For Work In Restricted Working Space, Add* | *9.74* | |
| 40 05 23 23-1235 | EA | 1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 119.73 | 19.73 |
| | | *For Work In Restricted Working Space, Add* | *13.15* | |
| 40 05 23 23-1236 | EA | 2", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 149.59 | 21.90 |
| | | *For Work In Restricted Working Space, Add* | *14.60* | |
| 40 05 23 23-1237 | EA | 2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 209.91 | 28.16 |
| | | *For Work In Restricted Working Space, Add* | *18.78* | |
| 40 05 23 23-1238 | EA | 3", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 250.22 | 39.46 |
| | | *For Work In Restricted Working Space, Add* | *26.31* | |
| 40 05 23 23-1239 | EA | 4", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 387.20 | 65.75 |
| | | *For Work In Restricted Working Space, Add* | *43.84* | |
| 40 05 23 23-1240 | EA | 6", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 551.31 | 84.55 |
| | | *For Work In Restricted Working Space, Add* | *56.37* | |
| 40 05 23 23-1241 | EA | 8", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 969.96 | 105.40 |
| | | *For Work In Restricted Working Space, Add* | *70.27* | |
| 40 05 23 23-1242 | EA | 10", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 1,273.97 | 126.49 |
| | | *For Work In Restricted Working Space, Add* | *84.32* | |
| 40 05 23 23-1243 | EA | 12", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 2,058.54 | 158.11 |
| | | *For Work In Restricted Working Space, Add* | *105.41* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-1244 | EA | 14", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 2,448.17 | 197.64 |
| | | *For Work In Restricted Working Space, Add* | *131.76* | |
| 40 05 23 23-1245 | EA | 16", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 3,203.70 | 225.44 |
| | | *For Work In Restricted Working Space, Add* | *150.29* | |
| 40 05 23 23-1246 | EA | 18", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 3,763.73 | 282.34 |
| | | *For Work In Restricted Working Space, Add* | *188.23* | |
| 40 05 23 23-1247 | EA | 20", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 4,968.60 | 395.27 |
| | | *For Work In Restricted Working Space, Add* | *263.51* | |
| 40 05 23 23-1248 | EA | 24", 150#, Type 316 Stainless Steel Raised Face Blind Flange | 7,252.84 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |

### 40 05 23 23-1249 300#, Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

| | | | | |
|---|---|---|---|---|
| 40 05 23 23-1250 | EA | 1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 111.63 | 11.24 |
| | | *For Work In Restricted Working Space, Add* | *7.50* | |
| 40 05 23 23-1251 | EA | 3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 113.16 | 11.92 |
| | | *For Work In Restricted Working Space, Add* | *7.96* | |
| 40 05 23 23-1252 | EA | 1", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 115.78 | 13.11 |
| | | *For Work In Restricted Working Space, Add* | *8.75* | |
| 40 05 23 23-1253 | EA | 1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 174.45 | 14.60 |
| | | *For Work In Restricted Working Space, Add* | *9.74* | |
| 40 05 23 23-1254 | EA | 1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 185.84 | 19.73 |
| | | *For Work In Restricted Working Space, Add* | *13.15* | |
| 40 05 23 23-1255 | EA | 2", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 205.82 | 21.90 |
| | | *For Work In Restricted Working Space, Add* | *14.60* | |
| 40 05 23 23-1256 | EA | 2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 344.75 | 28.16 |
| | | *For Work In Restricted Working Space, Add* | *18.78* | |
| 40 05 23 23-1257 | EA | 3", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 378.78 | 39.46 |
| | | *For Work In Restricted Working Space, Add* | *26.31* | |
| 40 05 23 23-1258 | EA | 4", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 578.26 | 65.75 |
| | | *For Work In Restricted Working Space, Add* | *43.84* | |
| 40 05 23 23-1259 | EA | 6", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 1,062.05 | 84.55 |
| | | *For Work In Restricted Working Space, Add* | *56.37* | |
| 40 05 23 23-1260 | EA | 8", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 1,376.26 | 105.40 |
| | | *For Work In Restricted Working Space, Add* | *70.27* | |
| 40 05 23 23-1261 | EA | 10", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 2,482.91 | 126.49 |
| | | *For Work In Restricted Working Space, Add* | *84.32* | |
| 40 05 23 23-1262 | EA | 12", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 3,027.30 | 158.11 |
| | | *For Work In Restricted Working Space, Add* | *105.41* | |
| 40 05 23 23-1263 | EA | 14", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 4,375.80 | 197.64 |
| | | *For Work In Restricted Working Space, Add* | *131.76* | |
| 40 05 23 23-1264 | EA | 16", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 5,646.35 | 225.44 |
| | | *For Work In Restricted Working Space, Add* | *150.29* | |
| 40 05 23 23-1265 | EA | 18", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 7,389.90 | 282.34 |
| | | *For Work In Restricted Working Space, Add* | *188.23* | |
| 40 05 23 23-1266 | EA | 20", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 9,290.65 | 395.27 |
| | | *For Work In Restricted Working Space, Add* | *263.51* | |
| 40 05 23 23-1267 | EA | 24", 300#, Type 316 Stainless Steel Raised Face Blind Flange | 14,322.42 | 564.67 |
| | | *For Work In Restricted Working Space, Add* | *376.45* | |

### 40 05 23 23-1268 Type 316 Seamless Annealed Tubing *(40 05 23 23)*

Note: For high-pressure air (8000 PSIG working pressure).

### 40 05 23 23-1269 Type 316 Seamless Annealed Tubing *(40 05 23 23-1268)*

| | | | |
|---|---|---|---|
| 40 05 23 23-1270 | LF | 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness | 20.59 |
| 40 05 23 23-1271 | LF | 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness | 25.40 |
| 40 05 23 23-1272 | LF | 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness | 30.65 |

### 40 05 23 23-1273 Type 316 Seamless Annealed Tubing Fittings *(40 05 23 23-1268)*

Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.

| | | | |
|---|---|---|---|
| 40 05 23 23-1274 | EA | 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules | 68.86 |
| 40 05 23 23-1275 | EA | 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules | 73.92 |
| 40 05 23 23-1276 | EA | 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules | 113.41 |
| 40 05 23 23-1277 | EA | 3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules | 66.68 |
| 40 05 23 23-1278 | EA | 3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules | 110.03 |
| 40 05 23 23-1279 | EA | 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules | 81.88 |
| 40 05 23 23-1280 | EA | 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules | 103.56 |
| 40 05 23 23-1281 | EA | 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules | 159.59 |
| 40 05 23 23-1282 | EA | 1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules | 101.86 |
| 40 05 23 23-1283 | EA | 1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules | 156.60 |
| 40 05 23 23-1284 | EA | 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules | 98.54 |
| 40 05 23 23-1285 | EA | 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules | 128.21 |
| 40 05 23 23-1286 | EA | 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules | 213.28 |
| 40 05 23 23-1287 | EA | 3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules | 176.71 |
| 40 05 23 23-1288 | EA | 3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules | 217.08 |

### 40 05 23 23-1289 Valves For High Pressure Air (5,000 PSIG) *(40 05 23 23-1268)*

### 40 05 23 23-1290 Needle Valves *(40 05 23 23-1289)*

| | | | |
|---|---|---|---|
| 40 05 23 23-1291 | EA | 3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge | 415.50 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 23 23-1292 | EA | 1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge | 663.31 | |
| 40 05 23 23-1293 | | Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 23-1289)* | | |
| 40 05 23 23-1294 | EA | 1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction | 398.96 | |
| 40 05 23 23-1295 | | Other Valves Working Pressure 6,000 PSI *(40 05 23 23-1289)* | | |
| 40 05 23 23-1296 | EA | 1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG | 1,676.26 | |
| 40 05 23 23-1297 | EA | 1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back | 415.27 | |
| 40 05 23 23-1298 | EA | Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element | 77.22 | |
| **40 05 31** | | **Thermoplastic Process Pipe** *(40 05)* | | |
| **40 05 31 43** | | **Polypropylene Process Pipe** *(40 05 31)* | | |
| 40 05 31 43-0001 | | Polypropylene (PP) Lined Steel Piping System *(40 05 31 43)* | | |
| 40 05 31 43-0002 | | Polypropylene (PP) Lined Pipe And Fittings *(40 05 31 43-0001)* | | |
| 40 05 31 43-0003 | | Pipe *(40 05 31 43-0002)* | | |
| 40 05 31 43-0004 | LF | 3/4" Polypropylene (PP) Lined Pipe | 114.08 | 2.27 |
| 40 05 31 43-0005 | LF | 1" Polypropylene (PP) Lined Pipe | 114.45 | 2.48 |
| 40 05 31 43-0006 | LF | 1-1/4" Polypropylene (PP) Lined Pipe | 155.41 | 2.70 |
| 40 05 31 43-0007 | LF | 1-1/2" Polypropylene (PP) Lined Pipe | 155.51 | 2.70 |
| 40 05 31 43-0008 | LF | 2" Polypropylene (PP) Lined Pipe | 148.92 | 3.23 |
| 40 05 31 43-0009 | LF | 2-1/2" Polypropylene (PP) Lined Pipe | 219.05 | 3.88 |
| 40 05 31 43-0010 | LF | 3" Polypropylene (PP) Lined Pipe | 261.52 | 4.63 |
| 40 05 31 43-0011 | LF | 4" Polypropylene (PP) Lined Pipe | 385.54 | 7.01 |
| 40 05 31 43-0012 | LF | 6" Polypropylene (PP) Lined Pipe | 666.26 | 9.27 |
| 40 05 31 43-0013 | LF | 8" Polypropylene (PP) Lined Pipe | 1,036.89 | 11.10 |
| 40 05 31 43-0014 | | 90 Degree Elbows *(40 05 31 43-0002)* | | |
| 40 05 31 43-0015 | EA | 3/4" 90 Degree Elbow, Polypropylene (PP) Lined | 881.24 | 9.27 |
| 40 05 31 43-0016 | EA | 1" 90 Degree Elbow, Polypropylene (PP) Lined | 886.81 | 11.53 |
| 40 05 31 43-0017 | EA | 1-1/4" 90 Degree Elbow, Polypropylene (PP) Lined | 926.67 | 16.28 |
| 40 05 31 43-0018 | EA | 1-1/2" 90 Degree Elbow, Polypropylene (PP) Lined | 931.87 | 18.32 |
| 40 05 31 43-0019 | EA | 2" 90 Degree Elbow, Polypropylene (PP) Lined | 1,071.97 | 23.28 |
| 40 05 31 43-0020 | EA | 2-1/2" 90 Degree Elbow, Polypropylene (PP) Lined | 1,355.37 | 34.49 |
| 40 05 31 43-0021 | EA | 3" 90 Degree Elbow, Polypropylene (PP) Lined | 1,638.02 | 45.38 |
| 40 05 31 43-0022 | EA | 4" 90 Degree Elbow, Polypropylene (PP) Lined | 2,433.55 | 53.90 |
| 40 05 31 43-0023 | EA | 6" 90 Degree Elbow, Polypropylene (PP) Lined | 3,801.76 | 61.55 |
| 40 05 31 43-0024 | EA | 8" 90 Degree Elbow, Polypropylene (PP) Lined | 5,964.98 | 77.61 |
| 40 05 31 43-0025 | | 45 Degree Elbows *(40 05 31 43-0002)* | | |
| 40 05 31 43-0026 | EA | 3/4" 45 Degree Elbow, Polypropylene (PP) Lined | 777.74 | 9.27 |
| 40 05 31 43-0027 | EA | 1" 45 Degree Elbow, Polypropylene (PP) Lined | 783.31 | 11.53 |
| 40 05 31 43-0028 | EA | 1-1/4" 45 Degree Elbow, Polypropylene (PP) Lined | 886.95 | 16.28 |
| 40 05 31 43-0029 | EA | 1-1/2" 45 Degree Elbow, Polypropylene (PP) Lined | 892.15 | 18.32 |
| 40 05 31 43-0030 | EA | 2" 45 Degree Elbow, Polypropylene (PP) Lined | 1,025.43 | 23.28 |
| 40 05 31 43-0031 | EA | 2-1/2" 45 Degree Elbow, Polypropylene (PP) Lined | 1,370.24 | 34.49 |
| 40 05 31 43-0032 | EA | 3" 45 Degree Elbow, Polypropylene (PP) Lined | 1,710.13 | 45.38 |
| 40 05 31 43-0033 | EA | 4" 45 Degree Elbow, Polypropylene (PP) Lined | 2,248.35 | 53.90 |
| 40 05 31 43-0034 | EA | 6" 45 Degree Elbow, Polypropylene (PP) Lined | 3,935.14 | 61.55 |
| 40 05 31 43-0035 | EA | 8" 45 Degree Elbow, Polypropylene (PP) Lined | 6,016.05 | 71.90 |
| 40 05 31 43-0036 | | Tees *(40 05 31 43-0002)* | | |
| 40 05 31 43-0037 | EA | 3/4" Tee, Polypropylene (PP) Lined | 1,188.24 | 13.90 |
| 40 05 31 43-0038 | EA | 1" Tee, Polypropylene (PP) Lined | 1,199.34 | 18.32 |
| 40 05 31 43-0039 | EA | 1-1/4" Tee, Polypropylene (PP) Lined | 1,413.75 | 23.28 |
| 40 05 31 43-0040 | EA | 1-1/2" Tee, Polypropylene (PP) Lined | 1,425.03 | 27.81 |
| 40 05 31 43-0041 | EA | 2" Tee, Polypropylene (PP) Lined | 1,627.45 | 34.49 |
| 40 05 31 43-0042 | EA | 2-1/2" Tee, Polypropylene (PP) Lined | 1,908.83 | 45.38 |
| 40 05 31 43-0043 | EA | 3" Tee, Polypropylene (PP) Lined | 2,184.26 | 53.90 |
| 40 05 31 43-0044 | EA | 4" Tee, Polypropylene (PP) Lined | 2,851.53 | 71.90 |
| 40 05 31 43-0045 | EA | 6" Tee, Polypropylene (PP) Lined | 3,890.88 | 92.70 |
| 40 05 31 43-0046 | EA | 8" Tee, Polypropylene (PP) Lined | 7,429.67 | 114.90 |
| 40 05 31 43-0047 | | Crosses *(40 05 31 43-0002)* | | |
| 40 05 31 43-0048 | EA | 3/4" Cross, Polypropylene (PP) Lined | 1,698.31 | 18.54 |
| 40 05 31 43-0049 | EA | 1" Cross, Polypropylene (PP) Lined | 1,710.14 | 23.28 |
| 40 05 31 43-0050 | EA | 1-1/4" Cross, Polypropylene (PP) Lined | 2,085.25 | 32.77 |
| 40 05 31 43-0051 | EA | 1-1/2" Cross, Polypropylene (PP) Lined | 2,095.07 | 36.65 |
| 40 05 31 43-0052 | EA | 2" Cross, Polypropylene (PP) Lined | 2,366.19 | 46.57 |
| 40 05 31 43-0053 | EA | 2-1/2" Cross, Polypropylene (PP) Lined | 2,737.41 | 68.99 |
| 40 05 31 43-0054 | EA | 3" Cross, Polypropylene (PP) Lined | 3,628.78 | 90.55 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 31 43-0055 | EA | 4" Cross, Polypropylene (PP) Lined | 4,069.27 | 107.79 |
| 40 05 31 43-0056 | EA | 6" Cross, Polypropylene (PP) Lined | 7,152.51 | 123.31 |
| 40 05 31 43-0057 | EA | 8" Cross, Polypropylene (PP) Lined | 9,059.56 | 143.90 |
| **40 05 31 43-0058** | | **Reducers** *(40 05 31 43-0002)* | | |
| 40 05 31 43-0059 | EA | 1" Reducer, Polypropylene (PP) Lined | 1,571.35 | 11.53 |
| 40 05 31 43-0060 | EA | 1-1/4" Reducer, Polypropylene (PP) Lined | 1,583.27 | 16.28 |
| 40 05 31 43-0061 | EA | 1-1/2" Reducer, Polypropylene (PP) Lined | 1,588.47 | 18.32 |
| 40 05 31 43-0062 | EA | 2" Reducer, Polypropylene (PP) Lined | 1,870.04 | 23.28 |
| 40 05 31 43-0063 | EA | 2-1/2" Reducer, Polypropylene (PP) Lined | 2,156.84 | 34.49 |
| 40 05 31 43-0064 | EA | 3" Reducer, Polypropylene (PP) Lined | 2,401.48 | 45.38 |
| 40 05 31 43-0065 | EA | 4" Reducer, Polypropylene (PP) Lined | 3,137.12 | 53.90 |
| 40 05 31 43-0066 | EA | 6" Reducer, Polypropylene (PP) Lined | 4,341.80 | 61.55 |
| 40 05 31 43-0067 | EA | 8" Reducer, Polypropylene (PP) Lined | 7,043.72 | 71.90 |
| **40 05 31 43-0068** | | **Unions** *(40 05 31 43-0002)* | | |
| 40 05 31 43-0069 | EA | 3/4" Union, Polypropylene (PP) Lined | 1,294.07 | 13.90 |
| 40 05 31 43-0070 | EA | 1" Union, Polypropylene (PP) Lined | 1,485.06 | 18.32 |
| 40 05 31 43-0071 | EA | 1-1/4" Union, Polypropylene (PP) Lined | 2,910.92 | 23.28 |
| 40 05 31 43-0072 | EA | 1-1/2" Union, Polypropylene (PP) Lined | 3,297.45 | 27.81 |
| 40 05 31 43-0073 | EA | 2" Union, Polypropylene (PP) Lined | 4,460.34 | 34.49 |
| 40 05 31 43-0074 | EA | 2-1/2" Union, Polypropylene (PP) Lined | 6,487.01 | 45.38 |
| 40 05 31 43-0075 | EA | 3" Union, Polypropylene (PP) Lined | 8,281.59 | 53.90 |
| 40 05 31 43-0076 | EA | 4" Union, Polypropylene (PP) Lined | 12,859.91 | 71.90 |
| 40 05 31 43-0077 | EA | 6" Union, Polypropylene (PP) Lined | 17,229.64 | 92.70 |
| 40 05 31 43-0078 | EA | 8" Union, Polypropylene (PP) Lined | 28,330.94 | 114.90 |
| **40 05 31 43-0079** | | **Blind Flanges** *(40 05 31 43-0002)* | | |
| 40 05 31 43-0080 | EA | 3/4" Blind Flanges, Polypropylene (PP) Lined | 246.35 | 13.90 |
| 40 05 31 43-0081 | EA | 1" Blind Flange, Polypropylene (PP) Lined | 257.45 | 18.32 |
| 40 05 31 43-0082 | EA | 1-1/4" Blind Flange, Polypropylene (PP) Lined | 289.68 | 23.28 |
| 40 05 31 43-0083 | EA | 1-1/2" Blind Flange, Polypropylene (PP) Lined | 300.96 | 27.81 |
| 40 05 31 43-0084 | EA | 2" Blind Flange, Polypropylene (PP) Lined | 344.10 | 34.49 |
| 40 05 31 43-0085 | EA | 2-1/2" Blind Flange, Polypropylene (PP) Lined | 430.84 | 45.38 |
| 40 05 31 43-0086 | EA | 3" Blind Flange, Polypropylene (PP) Lined | 511.62 | 53.90 |
| 40 05 31 43-0087 | EA | 4" Blind Flange, Polypropylene (PP) Lined | 642.49 | 71.90 |
| 40 05 31 43-0088 | EA | 6" Blind Flange, Polypropylene (PP) Lined | 972.25 | 92.70 |
| 40 05 31 43-0089 | EA | 8" Blind Flange, Polypropylene (PP) Lined | 1,457.61 | 114.90 |
| **40 05 31 43-0090** | | **Filler Flanges** *(40 05 31 43-0002)* | | |
| 40 05 31 43-0091 | EA | 1" Filler Flange, Polypropylene (PP) Lined | 938.49 | 18.32 |
| 40 05 31 43-0092 | EA | 1-1/4" Filler Flange, Polypropylene (PP) Lined | 1,175.69 | 23.28 |
| 40 05 31 43-0093 | EA | 1-1/2" Filler Flange, Polypropylene (PP) Lined | 1,312.59 | 27.81 |
| 40 05 31 43-0094 | EA | 2" Filler Flange, Polypropylene (PP) Lined | 1,501.19 | 34.49 |
| 40 05 31 43-0095 | EA | 2-1/2" Filler Flange, Polypropylene (PP) Lined | 1,733.40 | 45.38 |
| 40 05 31 43-0096 | EA | 3" Filler Flange, Polypropylene (PP) Lined | 1,959.65 | 53.90 |
| 40 05 31 43-0097 | EA | 4" Filler Flange, Polypropylene (PP) Lined | 2,434.34 | 71.90 |
| 40 05 31 43-0098 | EA | 6" Filler Flange, Polypropylene (PP) Lined | 3,332.73 | 92.70 |
| 40 05 31 43-0099 | EA | 8" Filler Flange, Polypropylene (PP) Lined | 4,684.26 | 114.90 |
| **40 05 31 43-0100** | | **Polypropylene (PP) Lined Gate Valves** *(40 05 31 43-0001)* | | |
| 40 05 31 43-0101 | EA | 1" Flanged Gate Valve, Polypropylene (PP) Lined | 1,987.62 | 90.77 |
| 40 05 31 43-0102 | EA | 1-1/4" Flanged Gate Valve, Polypropylene (PP) Lined | 2,243.10 | 102.12 |
| 40 05 31 43-0103 | EA | 1-1/2" Flanged Gate Valve, Polypropylene (PP) Lined | 2,531.64 | 113.18 |
| 40 05 31 43-0104 | EA | 2" Flanged Gate Valve, Polypropylene (PP) Lined | 3,002.46 | 143.68 |
| 40 05 31 43-0105 | EA | 2-1/2" Flanged Gate Valve, Polypropylene (PP) Lined | 3,959.44 | 163.59 |
| 40 05 31 43-0106 | EA | 3" Flanged Gate Valve, Polypropylene (PP) Lined | 4,916.40 | 183.47 |
| 40 05 31 43-0107 | EA | 4" Flanged Gate Valve, Polypropylene (PP) Lined | 6,228.93 | 307.97 |
| 40 05 31 43-0108 | EA | 6" Flanged Gate Valve, Polypropylene (PP) Lined | 10,065.85 | 389.44 |
| 40 05 31 43-0109 | EA | 8" Flanged Gate Valve, Polypropylene (PP) Lined | 21,142.51 | 492.76 |
| **40 05 31 43-0110** | | **Polypropylene (PP) Lined Check Valves** *(40 05 31 43-0001)* | | |
| 40 05 31 43-0111 | EA | 1" Flanged Check Valve, Polypropylene (PP) Lined | 2,250.48 | 90.77 |
| 40 05 31 43-0112 | EA | 1-1/4" Flanged Check Valve, Polypropylene (PP) Lined | 2,539.79 | 102.12 |
| 40 05 31 43-0113 | EA | 1-1/2" Flanged Check Valve, Polypropylene (PP) Lined | 2,866.81 | 113.18 |
| 40 05 31 43-0114 | EA | 2" Flanged Check Valve, Polypropylene (PP) Lined | 3,398.37 | 143.68 |
| 40 05 31 43-0115 | EA | 2-1/2" Flanged Check Valve, Polypropylene (PP) Lined | 4,486.07 | 163.59 |
| 40 05 31 43-0116 | EA | 3" Flanged Check Valve, Polypropylene (PP) Lined | 5,573.77 | 183.47 |
| 40 05 31 43-0117 | EA | 4" Flanged Check Valve, Polypropylene (PP) Lined | 7,048.54 | 307.97 |
| 40 05 31 43-0118 | EA | 6" Flanged Check Valve, Polypropylene (PP) Lined | 11,409.32 | 389.44 |
| 40 05 31 43-0119 | EA | 8" Flanged Check Valve, Polypropylene (PP) Lined | 24,021.38 | 492.76 |
| **40 05 31 43-0120** | | **Polypropylene (PP) Lined Plug Valves** *(40 05 31 43-0001)* | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 31 43-0121 | EA | 1" Flanged Plug Valve, Polypropylene (PP) Lined | 1,972.98 | 90.77 |
| 40 05 31 43-0122 | EA | 1-1/4" Flanged Plug Valve, Polypropylene (PP) Lined | 2,227.81 | 102.12 |
| 40 05 31 43-0123 | EA | 1-1/2" Flanged Plug Valve, Polypropylene (PP) Lined | 2,511.81 | 113.18 |
| 40 05 31 43-0124 | EA | 2" Flanged Plug Valve, Polypropylene (PP) Lined | 2,979.87 | 143.68 |
| 40 05 31 43-0125 | EA | 2-1/2" Flanged Plug Valve, Polypropylene (PP) Lined | 3,930.84 | 163.59 |
| 40 05 31 43-0126 | EA | 3" Flanged Plug Valve, Polypropylene (PP) Lined | 4,881.79 | 183.47 |
| 40 05 31 43-0127 | EA | 4" Flanged Plug Valve, Polypropylene (PP) Lined | 6,185.95 | 307.97 |
| 40 05 31 43-0128 | EA | 6" Flanged Plug Valve, Polypropylene (PP) Lined | 9,995.87 | 389.44 |
| 40 05 31 43-0129 | EA | 8" Flanged Plug Valve, Polypropylene (PP) Lined | 19,860.17 | 492.76 |

## 40 05 31 53 PVDF Process Pipe *(40 05 31)*

### 40 05 31 53-0001 Polyvinylidene Fluoride (PVDF) Kynar Lined Steel Piping System *(40 05 31 53)*

### 40 05 31 53-0002 Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe And Fittings *(40 05 31 53-0001)*

### 40 05 31 53-0003 Pipe *(40 05 31 53-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 31 53-0004 | LF | 3/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe | 107.97 | 2.27 |
| 40 05 31 53-0005 | LF | 1" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe | 108.34 | 2.48 |
| 40 05 31 53-0006 | LF | 1-1/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe | 121.53 | 2.70 |
| 40 05 31 53-0007 | LF | 1-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe | 121.63 | 2.70 |
| 40 05 31 53-0008 | LF | 2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe | 133.76 | 3.23 |
| 40 05 31 53-0009 | LF | 2-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe | 172.08 | 3.88 |
| 40 05 31 53-0010 | LF | 3" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe | 209.00 | 4.63 |
| 40 05 31 53-0011 | LF | 4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe | 292.24 | 7.01 |
| 40 05 31 53-0012 | LF | 6" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe | 470.68 | 9.27 |
| 40 05 31 53-0013 | LF | 8" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe | 734.12 | 11.10 |

### 40 05 31 53-0014 90 Degree Elbows *(40 05 31 53-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 31 53-0015 | EA | 3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 608.68 | 9.27 |
| 40 05 31 53-0016 | EA | 1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 614.25 | 11.53 |
| 40 05 31 53-0017 | EA | 1-1/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 757.88 | 16.28 |
| 40 05 31 53-0018 | EA | 1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 763.08 | 18.32 |
| 40 05 31 53-0019 | EA | 2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 905.92 | 23.28 |
| 40 05 31 53-0020 | EA | 2-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,090.56 | 34.49 |
| 40 05 31 53-0021 | EA | 3" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,263.79 | 45.38 |
| 40 05 31 53-0022 | EA | 4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,978.80 | 53.90 |
| 40 05 31 53-0023 | EA | 6" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 3,199.79 | 61.55 |
| 40 05 31 53-0024 | EA | 8" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 5,300.73 | 77.61 |

### 40 05 31 53-0025 45 Degree Elbows *(40 05 31 53-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 31 53-0026 | EA | 3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 731.24 | 9.27 |
| 40 05 31 53-0027 | EA | 1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 736.81 | 11.53 |
| 40 05 31 53-0028 | EA | 1-1/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 812.90 | 16.28 |
| 40 05 31 53-0029 | EA | 1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 818.10 | 18.32 |
| 40 05 31 53-0030 | EA | 2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 987.16 | 23.28 |
| 40 05 31 53-0031 | EA | 2-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,134.63 | 34.49 |
| 40 05 31 53-0032 | EA | 3" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,435.59 | 45.38 |
| 40 05 31 53-0033 | EA | 4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,065.17 | 53.90 |
| 40 05 31 53-0034 | EA | 6" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 3,433.96 | 61.55 |
| 40 05 31 53-0035 | EA | 8" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined | 4,529.01 | 71.90 |

### 40 05 31 53-0036 Tees *(40 05 31 53-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 31 53-0037 | EA | 3/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined | 979.49 | 13.90 |
| 40 05 31 53-0038 | EA | 1" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined | 990.59 | 18.32 |
| 40 05 31 53-0039 | EA | 1-1/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,107.61 | 23.28 |
| 40 05 31 53-0040 | EA | 1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,118.89 | 27.81 |
| 40 05 31 53-0041 | EA | 2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,354.83 | 34.49 |
| 40 05 31 53-0042 | EA | 2-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,744.93 | 45.38 |
| 40 05 31 53-0043 | EA | 3" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,801.49 | 53.90 |
| 40 05 31 53-0044 | EA | 4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,727.86 | 71.90 |
| 40 05 31 53-0045 | EA | 6" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined | 4,186.31 | 92.70 |
| 40 05 31 53-0046 | EA | 8" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined | 6,317.42 | 114.90 |

### 40 05 31 53-0047 Crosses *(40 05 31 53-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 31 53-0048 | EA | 3/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,369.44 | 18.54 |
| 40 05 31 53-0049 | EA | 1" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,381.28 | 23.28 |
| 40 05 31 53-0050 | EA | 1-1/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,606.94 | 32.77 |
| 40 05 31 53-0051 | EA | 1-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,616.76 | 36.65 |
| 40 05 31 53-0052 | EA | 2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,998.91 | 46.57 |
| 40 05 31 53-0053 | EA | 2-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,292.37 | 68.99 |
| 40 05 31 53-0054 | EA | 3" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,745.14 | 90.55 |
| 40 05 31 53-0055 | EA | 4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined | 4,174.78 | 107.79 |
| 40 05 31 53-0056 | EA | 6" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined | 6,440.91 | 123.31 |
| 40 05 31 53-0057 | EA | 8" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined | 8,155.05 | 143.90 |


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LOS ANGELES COUNTY WATERWORKS DISTRICTS

| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **40 05 31 53-0058** | | **Reducers** *(40 05 31 53-0002)* | | |
| 40 05 31 53-0059 | EA | 1" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined | 944.27 | 11.53 |
| 40 05 31 53-0060 | EA | 1-1/4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined | 956.19 | 16.28 |
| 40 05 31 53-0061 | EA | 1-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined | 961.39 | 18.32 |
| 40 05 31 53-0062 | EA | 2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined | 996.90 | 23.28 |
| 40 05 31 53-0063 | EA | 2-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,084.11 | 34.49 |
| 40 05 31 53-0064 | EA | 3" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,298.43 | 45.38 |
| 40 05 31 53-0065 | EA | 4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,660.36 | 53.90 |
| 40 05 31 53-0066 | EA | 6" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,731.39 | 61.55 |
| 40 05 31 53-0067 | EA | 8" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined | 4,126.95 | 71.90 |
| **40 05 31 53-0068** | | **Unions** *(40 05 31 53-0002)* | | |
| 40 05 31 53-0069 | EA | 3/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,365.02 | 13.90 |
| 40 05 31 53-0070 | EA | 1" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,566.14 | 18.32 |
| 40 05 31 53-0071 | EA | 1-1/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined | 3,071.64 | 23.28 |
| 40 05 31 53-0072 | EA | 1-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined | 3,479.30 | 27.81 |
| 40 05 31 53-0073 | EA | 2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined | 4,706.77 | 34.49 |
| 40 05 31 53-0074 | EA | 2-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined | 6,846.08 | 45.38 |
| 40 05 31 53-0075 | EA | 3" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined | 8,740.57 | 53.90 |
| 40 05 31 53-0076 | EA | 4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined | 13,574.29 | 71.90 |
| 40 05 31 53-0077 | EA | 6" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined | 18,187.16 | 92.70 |
| 40 05 31 53-0078 | EA | 8" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined | 29,910.86 | 114.90 |
| **40 05 31 53-0079** | | **Blind Flanges** *(40 05 31 53-0002)* | | |
| 40 05 31 53-0080 | EA | 3/4" Blind Flanges, Polyvinylidene Fluoride (PVDF) Kynar Lined | 193.46 | 13.90 |
| 40 05 31 53-0081 | EA | 1" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 204.56 | 18.32 |
| 40 05 31 53-0082 | EA | 1-1/4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 231.82 | 23.28 |
| 40 05 31 53-0083 | EA | 1-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 243.10 | 27.81 |
| 40 05 31 53-0084 | EA | 2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 279.63 | 34.49 |
| 40 05 31 53-0085 | EA | 2-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 351.49 | 45.38 |
| 40 05 31 53-0086 | EA | 3" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 417.40 | 53.90 |
| 40 05 31 53-0087 | EA | 4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 526.78 | 71.90 |
| 40 05 31 53-0088 | EA | 6" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 787.12 | 92.70 |
| 40 05 31 53-0089 | EA | 8" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,165.03 | 114.90 |
| **40 05 31 53-0090** | | **Filler Flanges** *(40 05 31 53-0002)* | | |
| 40 05 31 53-0091 | EA | 1" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 516.97 | 18.32 |
| 40 05 31 53-0092 | EA | 1-1/4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 583.91 | 23.28 |
| 40 05 31 53-0093 | EA | 1-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 654.70 | 27.81 |
| 40 05 31 53-0094 | EA | 2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 800.32 | 34.49 |
| 40 05 31 53-0095 | EA | 2-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 996.16 | 45.38 |
| 40 05 31 53-0096 | EA | 3" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,191.00 | 53.90 |
| 40 05 31 53-0097 | EA | 4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,513.62 | 71.90 |
| 40 05 31 53-0098 | EA | 6" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 1,902.89 | 92.70 |
| 40 05 31 53-0099 | EA | 8" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,935.39 | 114.90 |
| **40 05 31 53-0100** | | **Polyvinylidene Fluoride (PVDF) Kynar Lined Gate Valves** *(40 05 31 53-0001)* | | |
| 40 05 31 53-0101 | EA | 1" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,093.21 | 90.77 |
| 40 05 31 53-0102 | EA | 1-1/4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,362.28 | 102.12 |
| 40 05 31 53-0103 | EA | 1-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,666.27 | 113.18 |
| 40 05 31 53-0104 | EA | 2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 3,161.49 | 143.73 |
| 40 05 31 53-0105 | EA | 2-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 4,170.98 | 163.59 |
| 40 05 31 53-0106 | EA | 3" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 5,180.46 | 183.47 |
| 40 05 31 53-0107 | EA | 4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 6,558.16 | 307.97 |
| 40 05 31 53-0108 | EA | 6" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 10,605.52 | 389.44 |
| 40 05 31 53-0109 | EA | 8" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 22,298.94 | 492.76 |
| **40 05 31 53-0110** | | **Polyvinylidene Fluoride (PVDF) Kynar Lined Check Valves** *(40 05 31 53-0001)* | | |
| 40 05 31 53-0111 | EA | 1" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,370.87 | 90.77 |
| 40 05 31 53-0112 | EA | 1-1/4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,675.69 | 102.12 |
| 40 05 31 53-0113 | EA | 1-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 3,020.33 | 113.18 |
| 40 05 31 53-0114 | EA | 2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 3,579.70 | 143.73 |
| 40 05 31 53-0115 | EA | 2-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 4,727.29 | 163.59 |
| 40 05 31 53-0116 | EA | 3" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 5,874.86 | 183.47 |
| 40 05 31 53-0117 | EA | 4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 7,423.96 | 307.97 |
| 40 05 31 53-0118 | EA | 6" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 12,024.68 | 389.44 |
| 40 05 31 53-0119 | EA | 8" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 25,339.99 | 492.76 |
| **40 05 31 53-0120** | | **Polyvinylidene Fluoride (PVDF) Kynar Lined Plug Valves** *(40 05 31 53-0001)* | | |
| 40 05 31 53-0121 | EA | 1" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,077.75 | 90.77 |
| 40 05 31 53-0122 | EA | 1-1/4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,346.13 | 102.12 |
| 40 05 31 53-0123 | EA | 1-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 2,645.33 | 113.18 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 31 53-0124 | EA | 2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 3,137.63 | 143.73 |
| 40 05 31 53-0125 | EA | 2-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 4,140.77 | 163.59 |
| 40 05 31 53-0126 | EA | 3" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 5,143.90 | 183.47 |
| 40 05 31 53-0127 | EA | 4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 6,512.76 | 307.97 |
| 40 05 31 53-0128 | EA | 6" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 10,531.59 | 389.44 |
| 40 05 31 53-0129 | EA | 8" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined | 20,944.36 | 492.76 |

## 40 05 31 56 Polyvinylidene Chloride (PVDC) Process Pipe *(40 05 31)*

### 40 05 31 56-0001 Polyvinylidene Chloride (PVDC) Saran Lined Steel Piping System *(40 05 31 56)*

### 40 05 31 56-0002 Polyvinylidene Chloride (PVDC) Saran Lined Pipe And Fittings *(40 05 31 56-0001)*

### 40 05 31 56-0003 Pipe *(40 05 31 56-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 31 56-0004 | LF | 3/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe | 73.91 | 2.27 |
| 40 05 31 56-0005 | LF | 1" Polyvinylidene Chloride (PVDC) Saran Lined Pipe | 74.28 | 2.48 |
| 40 05 31 56-0006 | LF | 1-1/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe | 83.23 | 2.70 |
| 40 05 31 56-0007 | LF | 1-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe | 83.33 | 2.70 |
| 40 05 31 56-0008 | LF | 2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe | 91.87 | 3.23 |
| 40 05 31 56-0009 | LF | 2-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe | 119.81 | 3.88 |
| 40 05 31 56-0010 | LF | 3" Polyvinylidene Chloride (PVDC) Saran Lined Pipe | 143.19 | 4.63 |
| 40 05 31 56-0011 | LF | 4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe | 200.62 | 7.01 |
| 40 05 31 56-0012 | LF | 6" Polyvinylidene Chloride (PVDC) Saran Lined Pipe | 321.51 | 9.27 |
| 40 05 31 56-0013 | LF | 8" Polyvinylidene Chloride (PVDC) Saran Lined Pipe | 498.62 | 11.10 |

### 40 05 31 56-0014 90 Degree Elbows *(40 05 31 56-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 31 56-0015 | EA | 3/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 532.30 | 9.27 |
| 40 05 31 56-0016 | EA | 1" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 537.87 | 11.53 |
| 40 05 31 56-0017 | EA | 1-1/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 664.31 | 16.28 |
| 40 05 31 56-0018 | EA | 1-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 669.51 | 18.32 |
| 40 05 31 56-0019 | EA | 2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 795.36 | 23.28 |
| 40 05 31 56-0020 | EA | 2-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 959.54 | 34.49 |
| 40 05 31 56-0021 | EA | 3" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 1,113.72 | 45.38 |
| 40 05 31 56-0022 | EA | 4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 1,738.28 | 53.90 |
| 40 05 31 56-0023 | EA | 6" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 2,802.49 | 61.55 |
| 40 05 31 56-0024 | EA | 8" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 4,634.61 | 77.61 |

### 40 05 31 56-0025 45 Degree Elbows *(40 05 31 56-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 31 56-0026 | EA | 3/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 638.89 | 9.27 |
| 40 05 31 56-0027 | EA | 1" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 644.46 | 11.53 |
| 40 05 31 56-0028 | EA | 1-1/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 712.18 | 16.28 |
| 40 05 31 56-0029 | EA | 1-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 717.38 | 18.32 |
| 40 05 31 56-0030 | EA | 2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 865.98 | 23.28 |
| 40 05 31 56-0031 | EA | 2-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 997.89 | 34.49 |
| 40 05 31 56-0032 | EA | 3" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 1,263.10 | 45.38 |
| 40 05 31 56-0033 | EA | 4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 1,813.39 | 53.90 |
| 40 05 31 56-0034 | EA | 6" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 3,006.14 | 61.55 |
| 40 05 31 56-0035 | EA | 8" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined | 3,961.70 | 71.90 |

### 40 05 31 56-0036 Tees *(40 05 31 56-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 31 56-0037 | EA | 3/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined | 857.46 | 13.90 |
| 40 05 31 56-0038 | EA | 1" Tee, Polyvinylidene Chloride (PVDC) Saran Lined | 867.34 | 18.32 |
| 40 05 31 56-0039 | EA | 1-1/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined | 970.71 | 23.28 |
| 40 05 31 56-0040 | EA | 1-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined | 981.99 | 27.81 |
| 40 05 31 56-0041 | EA | 2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined | 1,189.37 | 34.49 |
| 40 05 31 56-0042 | EA | 2-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined | 1,532.13 | 45.38 |
| 40 05 31 56-0043 | EA | 3" Tee, Polyvinylidene Chloride (PVDC) Saran Lined | 1,584.09 | 53.90 |
| 40 05 31 56-0044 | EA | 4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined | 2,395.46 | 71.90 |
| 40 05 31 56-0045 | EA | 6" Tee, Polyvinylidene Chloride (PVDC) Saran Lined | 3,670.47 | 92.70 |
| 40 05 31 56-0046 | EA | 8" Tee, Polyvinylidene Chloride (PVDC) Saran Lined | 5,530.86 | 114.90 |

### 40 05 31 56-0047 Crosses *(40 05 31 56-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 31 56-0048 | EA | 3/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined | 1,196.85 | 18.54 |
| 40 05 31 56-0049 | EA | 1" Cross, Polyvinylidene Chloride (PVDC) Saran Lined | 1,208.69 | 23.28 |
| 40 05 31 56-0050 | EA | 1-1/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined | 1,408.00 | 32.77 |
| 40 05 31 56-0051 | EA | 1-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined | 1,417.82 | 36.65 |
| 40 05 31 56-0052 | EA | 2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined | 1,753.36 | 46.57 |
| 40 05 31 56-0053 | EA | 2-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined | 2,015.83 | 68.99 |
| 40 05 31 56-0054 | EA | 3" Cross, Polyvinylidene Chloride (PVDC) Saran Lined | 2,416.60 | 90.55 |
| 40 05 31 56-0055 | EA | 4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined | 3,665.40 | 107.79 |
| 40 05 31 56-0056 | EA | 6" Cross, Polyvinylidene Chloride (PVDC) Saran Lined | 5,641.02 | 123.31 |
| 40 05 31 56-0057 | EA | 8" Cross, Polyvinylidene Chloride (PVDC) Saran Lined | 11,786.99 | 143.90 |

### 40 05 31 56-0058 Reducers *(40 05 31 56-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 31 56-0059 | EA | 1" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined | 785.05 | 11.53 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 31 56-0060 | EA | 1-1/4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined | 836.75 | 16.28 |
| 40 05 31 56-0061 | EA | 1-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined | 841.95 | 18.32 |
| 40 05 31 56-0062 | EA | 2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined | 874.44 | 23.28 |
| 40 05 31 56-0063 | EA | 2-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined | 1,084.11 | 34.49 |
| 40 05 31 56-0064 | EA | 3" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined | 1,143.87 | 45.38 |
| 40 05 31 56-0065 | EA | 4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined | 1,461.37 | 53.90 |
| 40 05 31 56-0066 | EA | 6" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined | 2,395.19 | 61.55 |
| 40 05 31 56-0067 | EA | 8" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined | 3,612.06 | 71.90 |
| **40 05 31 56-0068** | | **Unions** *(40 05 31 56-0002)* | | |
| 40 05 31 56-0069 | EA | 3/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined | 1,187.65 | 13.90 |
| 40 05 31 56-0070 | EA | 1" Union, Polyvinylidene Chloride (PVDC) Saran Lined | 1,363.44 | 18.32 |
| 40 05 31 56-0071 | EA | 1-1/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined | 2,669.85 | 23.28 |
| 40 05 31 56-0072 | EA | 1-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined | 3,024.67 | 27.81 |
| 40 05 31 56-0073 | EA | 2" Union, Polyvinylidene Chloride (PVDC) Saran Lined | 4,090.70 | 34.49 |
| 40 05 31 56-0074 | EA | 2-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined | 5,948.40 | 45.38 |
| 40 05 31 56-0075 | EA | 3" Union, Polyvinylidene Chloride (PVDC) Saran Lined | 7,593.13 | 53.90 |
| 40 05 31 56-0076 | EA | 4" Union, Polyvinylidene Chloride (PVDC) Saran Lined | 11,788.34 | 71.90 |
| 40 05 31 56-0077 | EA | 6" Union, Polyvinylidene Chloride (PVDC) Saran Lined | 15,793.10 | 92.70 |
| 40 05 31 56-0078 | EA | 8" Union, Polyvinylidene Chloride (PVDC) Saran Lined | 25,961.06 | 114.90 |
| **40 05 31 56-0079** | | **Blind Flanges** *(40 05 31 56-0002)* | | |
| 40 05 31 56-0080 | EA | 3/4" Blind Flanges, Polyvinylidene Chloride (PVDC) Saran Lined | 172.30 | 13.90 |
| 40 05 31 56-0081 | EA | 1" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 183.40 | 18.32 |
| 40 05 31 56-0082 | EA | 1-1/4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 208.68 | 23.28 |
| 40 05 31 56-0083 | EA | 1-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 219.96 | 27.81 |
| 40 05 31 56-0084 | EA | 2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 253.84 | 34.49 |
| 40 05 31 56-0085 | EA | 2-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 319.75 | 45.38 |
| 40 05 31 56-0086 | EA | 3" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 379.71 | 53.90 |
| 40 05 31 56-0087 | EA | 4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 480.50 | 71.90 |
| 40 05 31 56-0088 | EA | 6" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 713.06 | 92.70 |
| 40 05 31 56-0089 | EA | 8" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 1,048.00 | 114.90 |
| **40 05 31 56-0090** | | **Filler Flanges** *(40 05 31 56-0002)* | | |
| 40 05 31 56-0091 | EA | 1" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 454.16 | 18.32 |
| 40 05 31 56-0092 | EA | 1-1/4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 513.82 | 23.28 |
| 40 05 31 56-0093 | EA | 1-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 576.68 | 27.81 |
| 40 05 31 56-0094 | EA | 2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 705.11 | 34.49 |
| 40 05 31 56-0095 | EA | 2-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 878.47 | 45.38 |
| 40 05 31 56-0096 | EA | 3" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 1,050.17 | 53.90 |
| 40 05 31 56-0097 | EA | 4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 1,335.75 | 71.90 |
| 40 05 31 56-0098 | EA | 6" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 1,680.07 | 92.70 |
| 40 05 31 56-0099 | EA | 8" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined | 2,582.31 | 114.90 |
| **40 05 31 56-0100** | | **Polyvinylidene Chloride (PVDC) Saran Lined Gate Valves** *(40 05 31 56-0001)* | | |
| 40 05 31 56-0101 | EA | 1" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 1,829.24 | 90.77 |
| 40 05 31 56-0102 | EA | 1-1/4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 2,064.33 | 102.12 |
| 40 05 31 56-0103 | EA | 1-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 2,329.68 | 113.18 |
| 40 05 31 56-0104 | EA | 2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 2,763.92 | 143.73 |
| 40 05 31 56-0105 | EA | 2-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 3,642.12 | 163.59 |
| 40 05 31 56-0106 | EA | 3" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 4,520.31 | 183.47 |
| 40 05 31 56-0107 | EA | 4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 5,735.07 | 307.97 |
| 40 05 31 56-0108 | EA | 6" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 9,256.35 | 389.44 |
| 40 05 31 56-0109 | EA | 8" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 19,407.87 | 492.76 |
| **40 05 31 56-0110** | | **Polyvinylidene Chloride (PVDC) Saran Lined Check Valves** *(40 05 31 56-0001)* | | |
| 40 05 31 56-0111 | EA | 1" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 2,069.88 | 90.77 |
| 40 05 31 56-0112 | EA | 1-1/4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 2,335.95 | 102.12 |
| 40 05 31 56-0113 | EA | 1-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 2,636.53 | 113.18 |
| 40 05 31 56-0114 | EA | 2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 3,126.36 | 143.73 |
| 40 05 31 56-0115 | EA | 2-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 4,124.25 | 163.59 |
| 40 05 31 56-0116 | EA | 3" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 5,122.13 | 183.47 |
| 40 05 31 56-0117 | EA | 4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 6,485.42 | 307.97 |
| 40 05 31 56-0118 | EA | 6" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 10,486.29 | 389.44 |
| 40 05 31 56-0119 | EA | 8" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 22,043.45 | 492.76 |
| **40 05 31 56-0120** | | **Polyvinylidene Chloride (PVDC) Saran Lined Plug Valves** *(40 05 31 56-0001)* | | |
| 40 05 31 56-0121 | EA | 1" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 1,815.84 | 90.77 |
| 40 05 31 56-0122 | EA | 1-1/4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 2,050.33 | 102.12 |
| 40 05 31 56-0123 | EA | 1-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 2,311.53 | 113.18 |
| 40 05 31 56-0124 | EA | 2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 2,743.23 | 143.73 |
| 40 05 31 56-0125 | EA | 2-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 3,615.93 | 163.59 |
| 40 05 31 56-0126 | EA | 3" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 4,488.63 | 183.47 |
| 40 05 31 56-0127 | EA | 4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 5,695.73 | 307.97 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 31 56-0128 | EA | 6" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 9,192.29 | 389.44 |
| 40 05 31 56-0129 | EA | 8" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined | 18,233.90 | 492.76 |

## 40 05 38 PTFE Process Pipe *(40 05)*

### 40 05 38 00-0001 Polytetrafluoroethylene (PTFE) Lined Steel Piping System *(40 05 38)*

### 40 05 38 00-0002 Polytetrafluoroethylene (PTFE) Lined Pipe And Fittings *(40 05 38 00-0001)*

### 40 05 38 00-0003 Polytetrafluoroethylene (PTFE) Lined Pipe *(40 05 38 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 38 00-0004 | LF | 3/4" Polytetrafluoroethylene (PTFE) Lined Pipe | 213.00 | 2.27 |
| 40 05 38 00-0005 | LF | 1" Polytetrafluoroethylene (PTFE) Lined Pipe | 319.16 | 2.48 |
| 40 05 38 00-0006 | LF | 1-1/4" Polytetrafluoroethylene (PTFE) Lined Pipe | 356.55 | 2.70 |
| 40 05 38 00-0007 | LF | 1-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe | 393.54 | 2.70 |
| 40 05 38 00-0008 | LF | 2" Polytetrafluoroethylene (PTFE) Lined Pipe | 430.62 | 3.23 |
| 40 05 38 00-0009 | LF | 2-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe | 568.56 | 3.88 |
| 40 05 38 00-0010 | LF | 3" Polytetrafluoroethylene (PTFE) Lined Pipe | 683.24 | 4.63 |
| 40 05 38 00-0011 | LF | 4" Polytetrafluoroethylene (PTFE) Lined Pipe | 984.59 | 7.01 |
| 40 05 38 00-0012 | LF | 6" Polytetrafluoroethylene (PTFE) Lined Pipe | 1,848.09 | 9.27 |
| 40 05 38 00-0013 | LF | 8" Polytetrafluoroethylene (PTFE) Lined Pipe | 3,307.18 | 11.10 |

### 40 05 38 00-0014 90 Degree Elbows *(40 05 38 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 38 00-0015 | EA | 3/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 1,444.76 | 9.27 |
| 40 05 38 00-0016 | EA | 1" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 1,450.33 | 11.53 |
| 40 05 38 00-0017 | EA | 1-1/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 1,508.53 | 16.28 |
| 40 05 38 00-0018 | EA | 1-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 1,513.73 | 18.32 |
| 40 05 38 00-0019 | EA | 2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 1,737.70 | 23.28 |
| 40 05 38 00-0020 | EA | 2-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 2,188.84 | 34.49 |
| 40 05 38 00-0021 | EA | 3" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 2,639.24 | 45.38 |
| 40 05 38 00-0022 | EA | 4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 3,943.24 | 53.90 |
| 40 05 38 00-0023 | EA | 6" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 6,197.34 | 61.55 |
| 40 05 38 00-0024 | EA | 8" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 9,754.93 | 77.61 |

### 40 05 38 00-0025 45 Degree Elbows *(40 05 38 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 38 00-0026 | EA | 3/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 1,219.95 | 9.27 |
| 40 05 38 00-0027 | EA | 1" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 1,225.52 | 11.53 |
| 40 05 38 00-0028 | EA | 1-1/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 1,382.90 | 16.28 |
| 40 05 38 00-0029 | EA | 1-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 1,388.10 | 18.32 |
| 40 05 38 00-0030 | EA | 2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 1,592.24 | 23.28 |
| 40 05 38 00-0031 | EA | 2-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 2,122.72 | 34.49 |
| 40 05 38 00-0032 | EA | 3" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 2,645.85 | 45.38 |
| 40 05 38 00-0033 | EA | 4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 3,487.02 | 53.90 |
| 40 05 38 00-0034 | EA | 6" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 6,151.06 | 61.55 |
| 40 05 38 00-0035 | EA | 8" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined | 9,436.43 | 71.90 |

### 40 05 38 00-0036 Tees *(40 05 38 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 38 00-0037 | EA | 3/4" Tee, Polytetrafluoroethylene (PTFE) Lined | 2,375.41 | 13.90 |
| 40 05 38 00-0038 | EA | 1" Tee, Polytetrafluoroethylene (PTFE) Lined | 2,386.51 | 18.32 |
| 40 05 38 00-0039 | EA | 1-1/4" Tee, Polytetrafluoroethylene (PTFE) Lined | 2,808.85 | 23.28 |
| 40 05 38 00-0040 | EA | 1-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined | 2,820.13 | 27.81 |
| 40 05 38 00-0041 | EA | 2" Tee, Polytetrafluoroethylene (PTFE) Lined | 3,213.70 | 34.49 |
| 40 05 38 00-0042 | EA | 2-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined | 3,756.66 | 45.38 |
| 40 05 38 00-0043 | EA | 3" Tee, Polytetrafluoroethylene (PTFE) Lined | 4,293.68 | 53.90 |
| 40 05 38 00-0044 | EA | 4" Tee, Polytetrafluoroethylene (PTFE) Lined | 5,601.48 | 71.90 |
| 40 05 38 00-0045 | EA | 6" Tee, Polytetrafluoroethylene (PTFE) Lined | 7,656.97 | 92.70 |
| 40 05 38 00-0046 | EA | 8" Tee, Polytetrafluoroethylene (PTFE) Lined | 14,780.76 | 114.90 |

### 40 05 38 00-0047 Crosses *(40 05 38 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 38 00-0048 | EA | 3/4" Cross, Polytetrafluoroethylene (PTFE) Lined | 3,372.20 | 18.54 |
| 40 05 38 00-0049 | EA | 1" Cross, Polytetrafluoroethylene (PTFE) Lined | 3,384.03 | 23.28 |
| 40 05 38 00-0050 | EA | 1-1/4" Cross, Polytetrafluoroethylene (PTFE) Lined | 4,115.22 | 32.77 |
| 40 05 38 00-0051 | EA | 1-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined | 4,125.04 | 36.65 |
| 40 05 38 00-0052 | EA | 2" Cross, Polytetrafluoroethylene (PTFE) Lined | 4,645.74 | 46.57 |
| 40 05 38 00-0053 | EA | 2-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined | 5,336.43 | 68.99 |
| 40 05 38 00-0054 | EA | 3" Cross, Polytetrafluoroethylene (PTFE) Lined | 7,076.40 | 90.55 |
| 40 05 38 00-0055 | EA | 4" Cross, Polytetrafluoroethylene (PTFE) Lined | 7,919.55 | 107.79 |
| 40 05 38 00-0056 | EA | 6" Cross, Polytetrafluoroethylene (PTFE) Lined | 14,087.66 | 123.31 |
| 40 05 38 00-0057 | EA | 8" Cross, Polytetrafluoroethylene (PTFE) Lined | 17,874.94 | 143.90 |

### 40 05 38 00-0058 Reducers *(40 05 38 00-0002)*

| | | | | |
|---|---|---|---|---|
| 40 05 38 00-0059 | EA | 1" Reducer, Polytetrafluoroethylene (PTFE) Lined | 1,999.12 | 11.53 |
| 40 05 38 00-0060 | EA | 1-1/4" Reducer, Polytetrafluoroethylene (PTFE) Lined | 2,011.04 | 16.28 |
| 40 05 38 00-0061 | EA | 1-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined | 2,016.24 | 18.32 |
| 40 05 38 00-0062 | EA | 2" Reducer, Polytetrafluoroethylene (PTFE) Lined | 2,372.45 | 23.28 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 05 38 00-0063 | EA | 2-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined | 2,731.02 | 34.49 |
| 40 05 38 00-0064 | EA | 3" Reducer, Polytetrafluoroethylene (PTFE) Lined | 3,035.96 | 45.38 |
| 40 05 38 00-0065 | EA | 4" Reducer, Polytetrafluoroethylene (PTFE) Lined | 3,969.69 | 53.90 |
| 40 05 38 00-0066 | EA | 6" Reducer, Polytetrafluoroethylene (PTFE) Lined | 5,503.09 | 61.55 |
| 40 05 38 00-0067 | EA | 8" Reducer, Polytetrafluoroethylene (PTFE) Lined | 8,947.14 | 71.90 |
| **40 05 38 00-0068** | | **Unions** *(40 05 38 00-0002)* | | |
| 40 05 38 00-0069 | EA | 3/4" Union, Polytetrafluoroethylene (PTFE) Lined | 1,808.44 | 13.90 |
| 40 05 38 00-0070 | EA | 1" Union, Polytetrafluoroethylene (PTFE) Lined | 2,072.90 | 18.32 |
| 40 05 38 00-0071 | EA | 1-1/4" Union, Polytetrafluoroethylene (PTFE) Lined | 4,076.10 | 23.28 |
| 40 05 38 00-0072 | EA | 1-1/2" Union, Polytetrafluoroethylene (PTFE) Lined | 4,615.89 | 27.81 |
| 40 05 38 00-0073 | EA | 2" Union, Polytetrafluoroethylene (PTFE) Lined | 6,246.96 | 34.49 |
| 40 05 38 00-0074 | EA | 2-1/2" Union, Polytetrafluoroethylene (PTFE) Lined | 9,090.29 | 45.38 |
| 40 05 38 00-0075 | EA | 3" Union, Polytetrafluoroethylene (PTFE) Lined | 11,609.18 | 53.90 |
| 40 05 38 00-0076 | EA | 4" Union, Polytetrafluoroethylene (PTFE) Lined | 18,039.17 | 71.90 |
| 40 05 38 00-0077 | EA | 6" Union, Polytetrafluoroethylene (PTFE) Lined | 24,172.41 | 92.70 |
| 40 05 38 00-0078 | EA | 8" Union, Polytetrafluoroethylene (PTFE) Lined | 39,785.39 | 114.90 |
| **40 05 38 00-0079** | | **Blind Flanges** *(40 05 38 00-0002)* | | |
| 40 05 38 00-0080 | EA | 3/4" Blind Flanges, Polytetrafluoroethylene (PTFE) Lined | 246.35 | 13.90 |
| 40 05 38 00-0081 | EA | 1" Blind Flange, Polytetrafluoroethylene (PTFE) Lined | 257.45 | 18.32 |
| 40 05 38 00-0082 | EA | 1-1/4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined | 289.68 | 23.28 |
| 40 05 38 00-0083 | EA | 1-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined | 300.96 | 27.81 |
| 40 05 38 00-0084 | EA | 2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined | 344.10 | 34.49 |
| 40 05 38 00-0085 | EA | 2-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined | 430.84 | 45.38 |
| 40 05 38 00-0086 | EA | 3" Blind Flange, Polytetrafluoroethylene (PTFE) Lined | 511.62 | 53.90 |
| 40 05 38 00-0087 | EA | 4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined | 642.49 | 71.90 |
| 40 05 38 00-0088 | EA | 6" Blind Flange, Polytetrafluoroethylene (PTFE) Lined | 972.25 | 92.70 |
| 40 05 38 00-0089 | EA | 8" Blind Flange, Polytetrafluoroethylene (PTFE) Lined | 1,457.61 | 114.90 |
| **40 05 38 00-0090** | | **Filler Flanges** *(40 05 38 00-0002)* | | |
| 40 05 38 00-0091 | EA | 1" Filler Flange, Polytetrafluoroethylene (PTFE) Lined | 674.01 | 18.32 |
| 40 05 38 00-0092 | EA | 1-1/4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined | 759.13 | 23.28 |
| 40 05 38 00-0093 | EA | 1-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined | 849.75 | 27.81 |
| 40 05 38 00-0094 | EA | 2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined | 1,038.36 | 34.49 |
| 40 05 38 00-0095 | EA | 2-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined | 1,290.39 | 45.38 |
| 40 05 38 00-0096 | EA | 3" Filler Flange, Polytetrafluoroethylene (PTFE) Lined | 1,543.09 | 53.90 |
| 40 05 38 00-0097 | EA | 4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined | 1,958.27 | 71.90 |
| 40 05 38 00-0098 | EA | 6" Filler Flange, Polytetrafluoroethylene (PTFE) Lined | 2,459.95 | 92.70 |
| 40 05 38 00-0099 | EA | 8" Filler Flange, Polytetrafluoroethylene (PTFE) Lined | 3,818.09 | 114.90 |
| **40 05 38 00-0100** | | **Polytetrafluoroethylene (PTFE) Lined Gate Valves** *(40 05 38 00-0001)* | | |
| 40 05 38 00-0101 | EA | 1" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined | 2,753.13 | 90.77 |
| 40 05 38 00-0102 | EA | 1-1/4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined | 3,107.16 | 102.12 |
| 40 05 38 00-0103 | EA | 1-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined | 3,507.76 | 113.18 |
| 40 05 38 00-0104 | EA | 2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined | 4,155.45 | 143.73 |
| 40 05 38 00-0105 | EA | 2-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined | 5,493.15 | 163.59 |
| 40 05 38 00-0106 | EA | 3" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined | 6,830.84 | 183.47 |
| 40 05 38 00-0107 | EA | 4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined | 8,615.89 | 307.97 |
| 40 05 38 00-0108 | EA | 6" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined | 13,978.42 | 389.44 |
| 40 05 38 00-0109 | EA | 8" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined | 29,526.59 | 492.76 |
| **40 05 38 00-0110** | | **Polytetrafluoroethylene (PTFE) Lined Check Valves** *(40 05 38 00-0001)* | | |
| 40 05 38 00-0111 | EA | 1" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined | 3,123.34 | 90.77 |
| 40 05 38 00-0112 | EA | 1-1/4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined | 3,525.04 | 102.12 |
| 40 05 38 00-0113 | EA | 1-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined | 3,979.83 | 113.18 |
| 40 05 38 00-0114 | EA | 2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined | 4,713.05 | 143.73 |
| 40 05 38 00-0115 | EA | 2-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined | 6,234.88 | 163.59 |
| 40 05 38 00-0116 | EA | 3" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined | 7,756.70 | 183.47 |
| 40 05 38 00-0117 | EA | 4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined | 9,770.29 | 307.97 |
| 40 05 38 00-0118 | EA | 6" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined | 15,870.64 | 389.44 |
| 40 05 38 00-0119 | EA | 8" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined | 33,581.34 | 492.76 |
| **40 05 38 00-0120** | | **Polytetrafluoroethylene (PTFE) Lined Plug Valves** *(40 05 38 00-0001)* | | |
| 40 05 38 00-0121 | EA | 1" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined | 2,732.50 | 90.77 |
| 40 05 38 00-0122 | EA | 1-1/4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined | 3,085.62 | 102.12 |
| 40 05 38 00-0123 | EA | 1-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined | 3,479.83 | 113.18 |
| 40 05 38 00-0124 | EA | 2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined | 4,123.62 | 143.73 |
| 40 05 38 00-0125 | EA | 2-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined | 5,452.86 | 163.59 |
| 40 05 38 00-0126 | EA | 3" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined | 6,782.08 | 183.47 |
| 40 05 38 00-0127 | EA | 4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined | 8,555.36 | 307.97 |
| 40 05 38 00-0128 | EA | 6" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined | 13,879.86 | 389.44 |
| 40 05 38 00-0129 | EA | 8" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined | 27,720.49 | 492.76 |

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| CSI | UOM | DESCRIPTION | MINOR | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|

## 40 05 71 Solids Handling Valves *(40 05)*

### 40 05 71 16 Flap Gates *(40 05 71)*

#### 40 05 71 16-0001 Cast Iron, Flap Valves *(40 05 71 16)*

| | | | | | |
|---|---|---|---|---|---|
| 40 05 71 16-0002 | EA | 3" Cast Iron, Flap Valve (Troy A25406/04-03) | | 660.33 | 103.20 |
| 40 05 71 16-0003 | EA | 4" Cast Iron, Flap Valve (Troy A25406/04 ) | | 822.80 | 173.24 |
| 40 05 71 16-0004 | EA | 6" Cast Iron, Flap Valve (Troy A25406/06) | | 952.43 | 214.53 |
| 40 05 71 16-0005 | EA | 8" Cast Iron, Flap Valve (Troy A25406/08) | | 1,401.12 | 271.44 |
| 40 05 71 16-0006 | EA | 10" Cast Iron, Flap Valve (Troy A25406/10) | | 1,841.67 | 332.52 |
| 40 05 71 16-0007 | EA | 12" Cast Iron, Flap Valve (Troy A25406/12) | | 2,118.39 | 403.05 |
| 40 05 71 16-0008 | EA | 14" Cast Iron, Flap Valve (Troy A25406/14) | | 4,145.64 | 572.31 |
| 40 05 71 16-0009 | EA | 16" Cast Iron, Flap Valve (Troy A25406/16) | | 5,794.16 | 1,259.09 |
| 40 05 71 16-0010 | EA | 18" Cast Iron, Flap Valve (Troy A25406/18) | | 5,809.52 | 698.22 |
| 40 05 71 16-0011 | EA | 20" Cast Iron, Flap Valve (Troy A25406/20) | | 7,092.92 | 786.93 |
| 40 05 71 16-0012 | EA | 24" Cast Iron, Flap Valve (Troy A25406/24) | | 9,153.59 | 965.78 |
| 40 05 71 16-0013 | EA | 30" Cast Iron, Flap Valve (Troy A25406/30) | | 18,661.38 | 1,528.73 |

### 40 05 71 23 Mud Valves *(40 05 71)*

#### 40 05 71 23-0001 Cast Iron, Non-Rising Stem, Mud Valves *(40 05 71 23)*

| | | | | | |
|---|---|---|---|---|---|
| 40 05 71 23-0002 | EA | 3" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/03) | | 932.17 | 68.80 |
| 40 05 71 23-0003 | EA | 4" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/04) | | 1,055.20 | 115.49 |
| 40 05 71 23-0004 | EA | 6" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/06) | | 1,145.79 | 143.02 |
| 40 05 71 23-0005 | EA | 8" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/08) | | 1,488.85 | 180.96 |
| 40 05 71 23-0006 | EA | 10" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/10) | | 2,239.40 | 221.67 |
| 40 05 71 23-0007 | EA | 12" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/12) | | 2,627.33 | 268.69 |
| 40 05 71 23-0008 | EA | 14" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/14) | | 5,037.27 | 381.55 |
| 40 05 71 23-0009 | EA | 16" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/16) | | 6,678.08 | 839.40 |
| 40 05 71 23-0010 | EA | 18" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/18) | | 6,725.38 | 465.48 |
| 40 05 71 23-0011 | EA | 20" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/20) | | 7,436.49 | 524.62 |
| 40 05 71 23-0012 | EA | 24" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/24) | | 9,433.12 | 643.86 |
| 40 05 71 23-0013 | EA | 30" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/30) | | 14,623.94 | 1,019.16 |

#### 40 05 71 23-0014 Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve *(40 05 71 23)*

| | | | | | |
|---|---|---|---|---|---|
| 40 05 71 23-0015 | EA | 4" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/04CSS) | | 1,879.88 | 115.49 |
| 40 05 71 23-0016 | EA | 6" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/06CSS) | | 2,331.74 | 143.02 |
| 40 05 71 23-0017 | EA | 8" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/08CSS) | | 3,614.15 | 180.96 |
| 40 05 71 23-0018 | EA | 10" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/10CSS) | | 4,378.12 | 221.67 |
| 40 05 71 23-0019 | EA | 12" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/12CSS) | | 5,737.22 | 268.69 |

#### 40 05 71 23-0020 Cast Iron, Rising Stem, Mud Valves *(40 05 71 23)*

| | | | | | |
|---|---|---|---|---|---|
| 40 05 71 23-0021 | EA | 4" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/04) | | 1,334.68 | 115.49 |
| 40 05 71 23-0022 | EA | 6" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/06) | | 1,474.79 | 143.02 |
| 40 05 71 23-0023 | EA | 8" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/08) | | 1,878.98 | 180.96 |
| 40 05 71 23-0024 | EA | 10" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/10) | | 2,923.76 | 221.67 |
| 40 05 71 23-0025 | EA | 12" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/12) | | 3,812.88 | 268.69 |
| 40 05 71 23-0026 | EA | 16" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/16) | | 6,934.45 | 839.40 |
| 40 05 71 23-0027 | EA | 18" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/18) | | 7,359.27 | 465.48 |

#### 40 05 71 23-0028 Cast 316 Stainless Steel, Rising Stem, Mud Valves *(40 05 71 23)*

| | | | | | |
|---|---|---|---|---|---|
| 40 05 71 23-0029 | EA | 4" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/04CSS) | | 2,217.35 | 115.49 |
| 40 05 71 23-0030 | EA | 6" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/06CSS) | | 2,750.42 | 143.02 |
| 40 05 71 23-0031 | EA | 8" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/08CSS) | | 3,681.44 | 180.96 |
| 40 05 71 23-0032 | EA | 10" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/10CSS) | | 5,179.85 | 221.67 |
| 40 05 71 23-0033 | EA | 12" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/12CSS) | | 7,309.03 | 268.69 |

# 40 20 Liquids Process Piping *(40)*

## 40 23 Water and Wastewater Process Piping *(40 20)*

### 40 23 51 Water and Wastewater Process Valves *(40 23)*

#### 40 23 51 00-0001 Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valves *(40 23 51)*

| | | | | | |
|---|---|---|---|---|---|
| 40 23 51 00-0002 | EA | 2" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,2,F1,CI,T,NBR*LV) | | 703.34 | 156.04 |
| 40 23 51 00-0003 | EA | 3" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,3,F1,CI,T,NBR*LV) | | 1,086.77 | 199.25 |
| 40 23 51 00-0004 | EA | 4" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,CI,T,NBR,1304G0*GS-6-HD8) | | 2,190.97 | 307.20 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 23 51 00-0005 | EA | 4" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,CI,T,NBR,1304G0*GS-6-CW8) | 2,480.25 | 307.20 |
| 40 23 51 00-0006 | EA | 6" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,CI,T,NBR,1304G0*GS-6-HD8) | 3,124.46 | 380.02 |
| 40 23 51 00-0007 | EA | 6" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,CI,T,NBR,1304G0*GS-6-CW8) | 3,476.02 | 380.02 |
| 40 23 51 00-0008 | EA | 8" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,CI,T,NBR,1304G0*GS-6-HD12) | 4,651.13 | 485.58 |
| 40 23 51 00-0009 | EA | 8" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,CI,T,NBR,1304G0*GS-6-CW12) | 5,077.02 | 485.58 |
| 40 23 51 00-0010 | EA | 10" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,CI,T,NBR,1304G0*GS-12-HD12) | 7,087.04 | 591.14 |
| 40 23 51 00-0011 | EA | 10" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,CI,T,NBR,1304G0*GS-12-CW12) | 7,693.73 | 591.14 |
| 40 23 51 00-0012 | EA | 14" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,CI,T,NBR,1304G0*GS-12-HD16) | 12,097.76 | 1,017.44 |
| 40 23 51 00-0013 | EA | 14" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,CI,T,NBR,1304G0*GS-12-CW20) | 12,885.25 | 1,017.44 |

## 40 23 51 00-0014 Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves *(40 23 51)*

| | | | | |
|---|---|---|---|---|
| 40 23 51 00-0015 | EA | 2" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,2,F1,CI,NBR,CR*LV) | 698.59 | 156.07 |
| 40 23 51 00-0016 | EA | 3" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,3,F1,CI,NBR,CR*LV) | 1,079.82 | 199.25 |
| 40 23 51 00-0017 | EA | 4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-HD8) | 1,941.87 | 307.20 |
| 40 23 51 00-0018 | EA | 4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-CW8) | 2,289.41 | 307.20 |
| 40 23 51 00-0019 | EA | 6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-HD8) | 2,782.95 | 380.02 |
| 40 23 51 00-0020 | EA | 6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-CW8) | 3,134.50 | 380.02 |
| 40 23 51 00-0021 | EA | 8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-HD12) | 4,078.60 | 485.58 |
| 40 23 51 00-0022 | EA | 8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-CW12) | 4,502.47 | 485.58 |
| 40 23 51 00-0023 | EA | 10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-12-HD12) | 6,524.55 | 591.14 |
| 40 23 51 00-0024 | EA | 10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-12-CW12) | 6,948.43 | 591.14 |
| 40 23 51 00-0025 | EA | 12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-HD16) | 8,593.76 | 717.80 |
| 40 23 51 00-0026 | EA | 12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-CW20) | 9,377.24 | 717.80 |
| 40 23 51 00-0027 | EA | 14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-HD16) | 10,974.79 | 1,017.44 |
| 40 23 51 00-0028 | EA | 14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-CW20) | 11,762.28 | 1,017.44 |
| 40 23 51 00-0029 | EA | 16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-HD16) | 13,225.38 | 1,119.19 |
| 40 23 51 00-0030 | EA | 16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-CW20) | 14,012.87 | 1,119.19 |
| 40 23 51 00-0031 | EA | 18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-HD24) | 17,395.80 | 1,241.28 |
| 40 23 51 00-0032 | EA | 18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-CW30) | 18,062.76 | 1,241.28 |
| 40 23 51 00-0033 | EA | 20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-HD16) | 24,037.48 | 1,398.99 |
| 40 23 51 00-0034 | EA | 20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-CW20) | 24,800.86 | 1,398.99 |
| 40 23 51 00-0035 | EA | 24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-HD16) | 42,860.54 | 1,716.94 |
| 40 23 51 00-0036 | EA | 24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-CW20) | 43,623.92 | 1,716.94 |
| 40 23 51 00-0037 | EA | 30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-HD24) | 59,081.89 | 2,717.75 |
| 40 23 51 00-0038 | EA | 30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-CW30) | 59,997.95 | 2,717.75 |
| 40 23 51 00-0039 | EA | 36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-HD30) | 90,299.58 | 3,623.67 |
| 40 23 51 00-0040 | EA | 36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-CW30) | 90,679.26 | 3,623.67 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **40 23 51 00-0041** | | **Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valves** *(40 23 51)* | | |
| 40 23 51 00-0042 | EA | 3" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-HD8) | 2,288.09 | 199.25 |
| 40 23 51 00-0043 | EA | 3" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-CW8) | 2,699.92 | 199.25 |
| 40 23 51 00-0044 | EA | 4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-HD8) | 2,520.43 | 307.20 |
| 40 23 51 00-0045 | EA | 4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-CW8) | 2,934.26 | 307.20 |
| 40 23 51 00-0046 | EA | 6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-HD8) | 3,984.27 | 380.02 |
| 40 23 51 00-0047 | EA | 6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-CW8) | 4,398.10 | 380.02 |
| 40 23 51 00-0048 | EA | 8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-HD12) | 4,884.17 | 485.58 |
| 40 23 51 00-0049 | EA | 8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-CW12) | 5,386.39 | 485.58 |
| 40 23 51 00-0050 | EA | 10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-HD12) | 7,983.01 | 591.14 |
| 40 23 51 00-0051 | EA | 10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-CW12) | 8,485.24 | 591.14 |
| 40 23 51 00-0052 | EA | 12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-HD16) | 9,451.57 | 717.80 |
| 40 23 51 00-0053 | EA | 12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-CW20) | 10,098.43 | 717.80 |
| 40 23 51 00-0054 | EA | 14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-HD16) | 12,461.37 | 1,017.44 |
| 40 23 51 00-0055 | EA | 14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-CW20) | 13,104.22 | 1,017.44 |
| 40 23 51 00-0056 | EA | 16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-HD16) | 14,748.13 | 1,119.19 |
| 40 23 51 00-0057 | EA | 16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-CW20) | 15,390.98 | 1,119.19 |
| 40 23 51 00-0058 | EA | 18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-HD24) | 18,918.55 | 1,241.28 |
| 40 23 51 00-0059 | EA | 18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-CW30) | 19,710.06 | 1,241.28 |
| 40 23 51 00-0060 | EA | 20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*MG-WR3-HD24) | 32,613.47 | 1,398.99 |
| 40 23 51 00-0061 | EA | 20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*GS-12A-CW30) | 25,857.54 | 1,398.99 |
| 40 23 51 00-0062 | EA | 24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-HD24) | 53,469.54 | 1,716.94 |
| 40 23 51 00-0063 | EA | 24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-CW30) | 53,469.54 | 1,716.94 |
| 40 23 51 00-0064 | EA | 30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-HD24) | 82,166.16 | 2,717.75 |
| 40 23 51 00-0065 | EA | 30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-CW30) | 82,166.16 | 2,717.75 |
| 40 23 51 00-0066 | EA | 36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-HD24) | 113,144.79 | 3,623.67 |
| 40 23 51 00-0067 | EA | 36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-CW30) | 113,144.79 | 3,623.67 |
| **40 23 51 00-0068** | | **Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves** *(40 23 51)* | | |
| 40 23 51 00-0069 | EA | 4" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,MJ,CI,NBR,CR*NT) | 1,375.36 | 307.97 |
| 40 23 51 00-0070 | EA | 6" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,MJ,CI,NBR,CR*NT) | 2,321.75 | 422.24 |
| 40 23 51 00-0071 | EA | 8" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,MJ,CI,NBR,CR*GB-6-N) | 4,164.95 | 482.53 |
| 40 23 51 00-0072 | EA | 10" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,MJ,CI,NBR,CR*GB-6-N) | 5,931.93 | 591.14 |
| 40 23 51 00-0073 | EA | 12" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,MJ,CI,NBR,CR*GB-6-N) | 7,442.16 | 716.51 |
| 40 23 51 00-0074 | EA | 14" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,MJ,CI,NBR,CR*GB-12-N) | 10,713.63 | 1,017.44 |
| 40 23 51 00-0075 | EA | 16" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,MJ,CI,NBR,CR*GB-12-N) | 13,293.69 | 1,119.19 |
| 40 23 51 00-0076 | EA | 18" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,MJ,CI,NBR,CR*GB-12-N) | 17,219.55 | 1,243.52 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 23 51 00-0077 | EA | 20" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,MJ,CI,NBR,CR*GB-12-N) | 23,131.46 | 1,398.99 |
| 40 23 51 00-0078 | EA | 24" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,MJ,CI,NBR,CR*GB-16-N) | 45,706.86 | 1,721.83 |
| 40 23 51 00-0079 | EA | 30" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,MJ,CI,NBR,CR*GB-16-N) | 61,799.42 | 2,767.17 |
| 40 23 51 00-0080 | EA | 36" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,MJ,CI,NBR,CR*GB-16-N) | 89,334.32 | 3,458.96 |
| **40 23 51 00-0081** | | **Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves** *(40 23 51)* | | |
| 40 23 51 00-0082 | EA | 4" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-PC4,EPP) | 8,334.30 | 307.20 |
| 40 23 51 00-0083 | EA | 6" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-PC4,EPP) | 9,132.89 | 380.02 |
| 40 23 51 00-0084 | EA | 8" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-PC6,EPP) | 10,086.24 | 485.58 |
| 40 23 51 00-0085 | EA | 10" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-6-PC8,EPP) | 11,635.61 | 591.14 |
| 40 23 51 00-0086 | EA | 12" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-PC6,EPP) | 14,873.32 | 717.80 |
| 40 23 51 00-0087 | EA | 14" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-PC6,EPP) | 18,117.41 | 1,017.44 |
| 40 23 51 00-0088 | EA | 16" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-PC8,EPP) | 21,379.80 | 1,119.19 |
| 40 23 51 00-0089 | EA | 18" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-PC8,EPP) | 25,097.51 | 1,241.28 |
| 40 23 51 00-0090 | EA | 20" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-12-PC10,EPP) | 31,321.02 | 1,398.99 |
| 40 23 51 00-0091 | EA | 24" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-PC8,EPP) | 59,108.52 | 1,716.94 |
| **40 23 51 00-0092** | | **Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves** *(40 23 51)* | | |
| 40 23 51 00-0093 | EA | 3" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,6000A,F1,DI,DI-S11-S2-NBR*AC) | 9,159.06 | 199.25 |
| 40 23 51 00-0094 | EA | 4" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,6000A,F1,DI,DI-S11-S2-NBR*AC) | 9,924.97 | 307.20 |
| 40 23 51 00-0095 | EA | 6" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,6000A,F1,DI,DI-S11-S2-NBR*AC) | 11,006.73 | 380.02 |
| 40 23 51 00-0096 | EA | 8" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,6000A,F1,DI,DI-S11-S2-NBR*AC) | 12,033.20 | 485.58 |
| 40 23 51 00-0097 | EA | 10" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,6000A,F1,DI,DI-S11-S2-NBR*AC) | 15,588.92 | 591.14 |
| 40 23 51 00-0098 | EA | 12" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,6000A,F1,DI,DI-S11-S2-NBR*AC) | 20,065.66 | 717.80 |
| 40 23 51 00-0099 | EA | 14" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,6000A,F1,DI,DI-S11-S2-NBR*AC) | 34,346.80 | 1,017.44 |
| 40 23 51 00-0100 | EA | 16" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,6000,F1,DI,DI-S11-S2-NBR*AC) | 47,672.49 | 1,119.19 |
| 40 23 51 00-0101 | EA | 18" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,6000,F1,DI,DI-S11-S2-NBR*AC) | 51,726.61 | 1,241.28 |
| 40 23 51 00-0102 | EA | 20" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,6000,F1,DI,DI-S11-S2-NBR*AC) | 50,348.73 | 1,398.99 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 23 51 00-0103 | EA | 24" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,6000,F1,DI,DI-S11-S2-NBR*AC) | 62,221.16 | 1,716.94 |
| **40 23 51 00-0104** | | **Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves** *(40 23 51)* | | |
| 40 23 51 00-0105 | EA | 2" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,2,250A,F1,DIF,DI-S1-S2-NBR*AC) | 3,210.10 | 156.04 |
| 40 23 51 00-0106 | EA | 3" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,250A,F1,DIF,DI-S1-S2-NBR*AC) | 3,444.06 | 199.25 |
| 40 23 51 00-0107 | EA | 4" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,250A,F1,DIF,DI-S1-S2-NBR*AC) | 3,984.97 | 307.20 |
| 40 23 51 00-0108 | EA | 6" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,250A,F1,DIF,DI-S1-S2-NBR*AC) | 4,504.73 | 380.02 |
| 40 23 51 00-0109 | EA | 8" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,250A,F1,DIF,DI-S1-S2-NBR*AC) | 5,913.20 | 485.58 |
| 40 23 51 00-0110 | EA | 10" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,250A,F1,DIF,DI-S1-S2-NBR*AC) | 8,118.92 | 591.14 |
| 40 23 51 00-0111 | EA | 12" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,250A,F1,DIF,DI-S1-S2-NBR*AC) | 14,305.66 | 717.80 |
| 40 23 51 00-0112 | EA | 14" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,250A,F1,DIF,DI-S1-S2-NBR*AC) | 16,661.80 | 1,017.44 |
| 40 23 51 00-0113 | EA | 16" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,250,F1,DIF,DI-S1-S1-NBR*AC) | 21,018.99 | 1,119.19 |
| 40 23 51 00-0114 | EA | 18" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,250,F1,DIF,DI-S1-S1-NBR*AC) | 31,026.61 | 1,241.28 |
| 40 23 51 00-0115 | EA | 20" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,250,F1,DIF,DI-S1-S1-NBR*AC) | 34,823.73 | 1,398.99 |
| 40 23 51 00-0116 | EA | 24" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,250,F1,DIF,DI-S1-S1-NBR*AC) | 53,446.16 | 1,716.94 |
| **40 23 51 00-0117** | | **Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valves** *(40 23 51)* | | |
| 40 23 51 00-0118 | EA | 2" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,2,HD,F1,S2,SMP,S2-M*MN-HD8-CS) | 1,284.10 | 156.07 |
| 40 23 51 00-0119 | EA | 3" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,3,HD,F1,S2,SMP,S2-M*MN-HD8-CS) | 1,446.06 | 199.25 |
| 40 23 51 00-0120 | EA | 4" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,4,HD,F1,S2,SMP,S2-M*MN-HD8-CS) | 1,968.97 | 307.20 |
| 40 23 51 00-0121 | EA | 6" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,6,HD,F1,S2,SMP,S2-M*MN-HD12-CS) | 2,357.73 | 380.02 |
| 40 23 51 00-0122 | EA | 8" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,8,HD,F1,S2,SMP,S2-M*MN-HD12-CS) | 3,078.20 | 485.58 |
| 40 23 51 00-0123 | EA | 10" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,10,HD,F1,S2,SMP,S2-M*MN-HD16-CS) | 4,473.92 | 591.14 |
| 40 23 51 00-0124 | EA | 12" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,12,BD,F1,S2,SMP,S2-CR*MN-HD16-CS) | 5,980.66 | 717.80 |
| 40 23 51 00-0125 | EA | 14" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,14,BD,F1,S2,SMP,S2-CR*MN-HD20-S1) | 8,561.80 | 1,017.44 |
| 40 23 51 00-0126 | EA | 16" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,16,BD,F1,S2,SMP,S2-CR*MN-HD20-S1) | 10,578.99 | 1,119.19 |
| 40 23 51 00-0127 | EA | 18" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,18,BD,F1,S2,SMP,S2-CR*MN-HD20-S1) | 14,601.61 | 1,241.28 |
| 40 23 51 00-0128 | EA | 20" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,20,BD,F1,S2,SMP,S2-CR*MN-HD20-S1) | 17,588.73 | 1,398.99 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 23 51 00-0129 | EA | 24" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,24,BD,F1,S2,SMP,S2-CR*MNB-HD24-S1) | 26,446.16 | 1,716.94 |
| **40 23 51 00-0130** | | **Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valves** *(40 23 51)* | | |
| 40 23 51 00-0131 | EA | 1" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,1.2,SCAV,F1,S2,R516-NBR-S2-S2-S2*) | 6,770.43 | 87.79 |
| 40 23 51 00-0132 | EA | 2" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*) | 6,855.10 | 156.04 |
| 40 23 51 00-0133 | EA | 3" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,3,SCAV,F1,S2,R516-NBR-S2-S2-S2*) | 8,181.66 | 199.25 |
| 40 23 51 00-0134 | EA | 4" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,4,SCAV,F1,S2,R516-NBR-S2-S2-S2*) | 8,927.77 | 307.20 |
| **40 23 51 00-0135** | | **Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valves** *(40 23 51)* | | |
| 40 23 51 00-0136 | EA | 2" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,2,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4) | 5,374.20 | 156.04 |
| 40 23 51 00-0137 | EA | 4" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,4,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4) | 8,924.13 | 307.20 |
| 40 23 51 00-0138 | EA | 6" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,6,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6) | 12,086.28 | 380.02 |
| 40 23 51 00-0139 | EA | 8" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,8,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6) | 15,688.66 | 485.58 |
| 40 23 51 00-0140 | EA | 10" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,10,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8) | 21,258.39 | 591.14 |
| 40 23 51 00-0141 | EA | 12" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,12,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8) | 32,306.32 | 717.80 |
| 40 23 51 00-0142 | EA | 14" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,14,F1S,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8) | 37,098.93 | 1,017.44 |
| 40 23 51 00-0143 | EA | 16" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,16,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10) | 77,289.75 | 1,119.19 |
| 40 23 51 00-0144 | EA | 18" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,18,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10) | 90,766.70 | 1,241.28 |
| 40 23 51 00-0145 | EA | 20" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,20,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10) | 115,584.86 | 1,398.99 |
| **40 23 51 00-0146** | | **Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valves** *(40 23 51)* | | |
| 40 23 51 00-0147 | EA | 2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2,L1,S2,TC,S2-S5A-FT-TT*LT) | 1,640.52 | 156.04 |
| 40 23 51 00-0148 | EA | 2-1/2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2.5,L1,S2,TC,S2-S5A-FT-TT*LT) | 1,773.47 | 169.73 |
| 40 23 51 00-0149 | EA | 4" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8) | 2,698.58 | 307.20 |
| 40 23 51 00-0150 | EA | 4" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8) | 2,867.33 | 307.20 |
| 40 23 51 00-0151 | EA | 6" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8) | 3,771.41 | 380.02 |
| 40 23 51 00-0152 | EA | 6" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8) | 3,928.52 | 380.02 |
| 40 23 51 00-0153 | EA | 8" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8) | 4,866.15 | 485.58 |
| 40 23 51 00-0154 | EA | 8" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8) | 5,023.26 | 485.58 |
| 40 23 51 00-0155 | EA | 10" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8) | 6,819.71 | 591.14 |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 23 51 00-0156 | EA | 10" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8) | 6,976.82 | 591.14 |
| 40 23 51 00-0157 | EA | 12" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8) | 8,652.30 | 717.80 |
| 40 23 51 00-0158 | EA | 12" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8) | 8,809.41 | 717.80 |
| 40 23 51 00-0159 | EA | 14" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8) | 12,327.78 | 1,017.44 |
| 40 23 51 00-0160 | EA | 14" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8) | 12,484.89 | 1,017.44 |
| 40 23 51 00-0161 | EA | 16" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD16) | 15,800.85 | 1,119.19 |
| 40 23 51 00-0162 | EA | 16" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20) | 16,062.71 | 1,119.19 |
| 40 23 51 00-0163 | EA | 18" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24) | 20,562.07 | 1,241.28 |
| 40 23 51 00-0164 | EA | 18" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20) | 20,823.92 | 1,241.28 |
| 40 23 51 00-0165 | EA | 20" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24) | 24,634.60 | 1,398.99 |
| 40 23 51 00-0166 | EA | 20" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-16-CW30) | 25,409.68 | 1,398.99 |
| 40 23 51 00-0167 | EA | 24" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-HD16) | 42,523.75 | 1,716.94 |
| 40 23 51 00-0168 | EA | 24" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-CW20) | 43,074.22 | 1,716.94 |
| 40 23 51 00-0169 | EA | 30" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30) | 66,582.68 | 2,717.75 |
| 40 23 51 00-0170 | EA | 30" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30) | 66,896.90 | 2,717.75 |
| 40 23 51 00-0171 | EA | 36" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30) | 90,270.43 | 3,623.67 |
| 40 23 51 00-0172 | EA | 36" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30) | 90,584.66 | 3,623.67 |

## 40 23 51 00-0173 Plug, Bearings And Packing, Plug Valve Rebuild Kits *(40 23 51)*

| | | | | |
|---|---|---|---|---|
| 40 23 51 00-0174 | EA | 2" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik) | 430.72 | |
| 40 23 51 00-0175 | EA | 4" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik) | 1,226.69 | |
| 40 23 51 00-0176 | EA | 6" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik) | 1,524.21 | |
| 40 23 51 00-0177 | EA | 8" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik) | 1,817.10 | |
| 40 23 51 00-0178 | EA | 10" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik) | 4,362.79 | |
| 40 23 51 00-0179 | EA | 12" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik) | 5,288.98 | |
| 40 23 51 00-0180 | EA | 14" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik) | 9,077.30 | |
| 40 23 51 00-0181 | EA | 16" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik) | 8,417.10 | |

## 40 23 51 00-0182 Air Cushioned, Lever And Weight, 125 Lb. Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valves *(40 23 51)*

| | | | | |
|---|---|---|---|---|
| 40 23 51 00-0183 | EA | 3" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) | 3,979.35 | 183.25 |
| 40 23 51 00-0184 | EA | 4" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) | 4,727.21 | 307.20 |
| 40 23 51 00-0185 | EA | 6" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) | 5,391.29 | 380.02 |
| 40 23 51 00-0186 | EA | 8" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) | 6,713.27 | 485.58 |
| 40 23 51 00-0187 | EA | 10" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) | 8,968.18 | 591.14 |
| 40 23 51 00-0188 | EA | 12" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) | 12,481.59 | 717.80 |
| 40 23 51 00-0189 | EA | 14" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) | 18,340.22 | 1,017.44 |
| 40 23 51 00-0190 | EA | 16" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) | 20,593.23 | 1,119.19 |
| 40 23 51 00-0191 | EA | 18" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) | 24,937.82 | 1,241.28 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 40 23 51 00-0192 | EA | 20" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) | 26,604.45 | 1,398.99 |
| 40 23 51 00-0193 | EA | 24" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) | 48,984.87 | 1,716.94 |

### 40 23 51 00-0194 Lever And Weight, 125 Lb. Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valves *(40 23 51)*

| | | | | |
|---|---|---|---|---|
| 40 23 51 00-0195 | EA | 3" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) | 2,790.49 | 183.25 |
| 40 23 51 00-0196 | EA | 4" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) | 3,484.10 | 307.20 |
| 40 23 51 00-0197 | EA | 6" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) | 4,065.42 | 380.02 |
| 40 23 51 00-0198 | EA | 8" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) | 5,599.54 | 485.58 |
| 40 23 51 00-0199 | EA | 10" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) | 7,748.37 | 591.14 |
| 40 23 51 00-0200 | EA | 12" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) | 10,141.42 | 717.80 |
| 40 23 51 00-0201 | EA | 14" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) | 17,319.30 | 1,017.44 |
| 40 23 51 00-0202 | EA | 16" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) | 19,525.90 | 1,119.19 |
| 40 23 51 00-0203 | EA | 18" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) | 23,470.52 | 1,241.28 |
| 40 23 51 00-0204 | EA | 20" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) | 25,042.13 | 1,398.99 |
| 40 23 51 00-0205 | EA | 24" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) | 43,911.19 | 1,716.94 |

### 40 23 51 00-0206 125 Lb. Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valves *(40 23 51)*

| | | | | |
|---|---|---|---|---|
| 40 23 51 00-0207 | EA | 3" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX) | 9,718.18 | 183.25 |
| 40 23 51 00-0208 | EA | 4" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX) | 10,121.30 | 307.20 |
| 40 23 51 00-0209 | EA | 6" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX) | 13,262.56 | 380.02 |
| 40 23 51 00-0210 | EA | 8" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX) | 15,512.65 | 485.58 |
| 40 23 51 00-0211 | EA | 10" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX) | 22,527.45 | 591.14 |
| 40 23 51 00-0212 | EA | 12" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX) | 28,027.46 | 717.80 |

### 40 23 51 00-0213 Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valves *(40 23 51)*

| | | | | |
|---|---|---|---|---|
| 40 23 51 00-0214 | EA | 3" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT) | 2,341.74 | 183.25 |
| 40 23 51 00-0215 | EA | 4" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT) | 2,732.49 | 307.20 |
| 40 23 51 00-0216 | EA | 6" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT) | 4,230.15 | 380.02 |
| 40 23 51 00-0217 | EA | 8" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT) | 4,686.41 | 485.58 |
| 40 23 51 00-0218 | EA | 10" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT) | 5,624.89 | 591.14 |
| 40 23 51 00-0219 | EA | 12" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT) | 8,064.06 | 717.80 |

**END OF SECTION 40**

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 41 Material Processing and Handling Equipment

## 41 01 Operation and Maintenance of Material Processing and Handling Equipment *(41)*

### 41 01 20 Operation and Maintenance of Piece Material Handling Equipment *(41 01)*

#### 41 01 20 13 Operation And Maintenance Of Hoists Or Cranes *(41 01 20)*

41 01 20 13-0001 Maintenance *(41 01 20 13)*

| | | | | |
|---|---|---|---|---|
| 41 01 20 13-0002 | EA | Regular Inspection | 419.86 | |
| 41 01 20 13-0003 | HR | Hoist Or Crane Servicing, Labor Only | 125.65 | |
| 41 01 20 13-0004 | MO | Hoist Or Crane Maintenance Contract | 1,006.71 | |

## 41 20 Piece Material Handling Equipment *(41)*

### 41 22 Cranes and Hoists *(41 20)*

#### 41 22 23 Hoists *(41 22)*

#### 41 22 23 13 Fixed Hoists *(41 22 23)*

41 22 23 13-0001 Air-Powered Chain Hoists *(41 22 23 13)*
Note: Excludes beam.

| | | | | |
|---|---|---|---|---|
| 41 22 23 13-0002 | EA | 500 Lb. Capacity, Air-Powered Chain Hoist | 7,727.04 | 387.57 |
| 41 22 23 13-0003 | EA | 1,000 Lb. Capacity, Air-Powered Chain Hoist | 7,818.39 | 387.57 |
| 41 22 23 13-0004 | EA | 2,000 Lb. Capacity, Air-Powered Chain Hoist | 9,439.10 | 387.57 |
| 41 22 23 13-0005 | EA | 4,000 Lb. Capacity, Air-Powered Chain Hoist | 11,927.10 | 516.76 |
| 41 22 23 13-0006 | EA | 6,000 LB Capacity, Air-Powered Chain Hoist | 15,046.08 | 645.94 |
| 41 22 23 13-0007 | EA | 8,000 LB Capacity, Air-Powered Chain Hoist | 17,711.76 | 949.28 |
| 41 22 23 13-0008 | EA | 10,000 LB Capacity, Air-Powered Chain Hoist | 20,435.84 | 1,146.55 |
| 41 22 23 13-0009 | EA | 12,000 LB Capacity, Air-Powered Chain Hoist | 21,204.12 | 1,146.55 |

41 22 23 13-0010 Electric Hoists *(41 22 23 13)*

41 22 23 13-0011 Electric Industrial Chain Hoists *(41 22 23 13-0010)*
Note: Includes 20' of chain. Excludes beams.

| | | | | |
|---|---|---|---|---|
| 41 22 23 13-0012 | EA | 500 LB Capacity, Electric Industrial Chain Hoist | 2,681.60 | 374.65 |
| | | *For DC Electrical Operated, Add* | *482.51* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |
| 41 22 23 13-0013 | EA | 1,000 LB Capacity, Electric Industrial Chain Hoist | 2,787.91 | 374.65 |
| | | *For DC Electrical Operated, Add* | *508.58* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |
| 41 22 23 13-0014 | EA | 2,000 LB Capacity, Electric Industrial Chain Hoist | 3,058.14 | 374.65 |
| | | *For DC Electrical Operated, Add* | *573.05* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |
| 41 22 23 13-0015 | EA | 3,000 LB Capacity, Electric Industrial Chain Hoist | 4,484.52 | 387.57 |
| | | *For DC Electrical Operated, Add* | *921.46* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |
| 41 22 23 13-0016 | EA | 4,000 LB Capacity, Electric Industrial Chain Hoist | 3,906.92 | 387.57 |
| | | *For DC Electrical Operated, Add* | *774.76* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |
| 41 22 23 13-0017 | EA | 5,000 LB Capacity, Electric Industrial Chain Hoist | 5,478.58 | 400.49 |
| | | *For DC Electrical Operated, Add* | *1,157.27* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |
| 41 22 23 13-0018 | EA | 6,000 LB Capacity, Electric Industrial Chain Hoist | 5,034.09 | 439.24 |
| | | *For DC Electrical Operated, Add* | *1,009.99* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |
| 41 22 23 13-0019 | EA | 7,500 LB Capacity, Electric Industrial Chain Hoist | 6,151.61 | 542.60 |
| | | *For DC Electrical Operated, Add* | *1,283.05* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |
| 41 22 23 13-0020 | EA | 10,000 LB Capacity, Electric Industrial Chain Hoist | 7,217.41 | 573.32 |
| | | *For DC Electrical Operated, Add* | *1,556.39* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |
| 41 22 23 13-0021 | EA | 15,000 LB Capacity, Electric Industrial Chain Hoist | 11,474.52 | 598.24 |
| | | *For DC Electrical Operated, Add* | *2,569.25* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |
| 41 22 23 13-0022 | EA | 20,000 LB Capacity, Electric Industrial Chain Hoist | 13,683.27 | 623.17 |
| | | *For DC Electrical Operated, Add* | *3,108.48* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |
| 41 22 23 13-0023 | EA | 25,000 LB Capacity, Electric Industrial Chain Hoist | 18,785.03 | 648.10 |
| | | *For DC Electrical Operated, Add* | *4,370.62* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |
| 41 22 23 13-0024 | EA | 30,000 LB Capacity, Electric Industrial Chain Hoist | 23,959.95 | 710.42 |
| | | *For DC Electrical Operated, Add* | *5,633.03* | |
| | | *For Each LF Copper Conductor Bar, Add* | *10.50* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **41 22 23 13-0025** | | **Hand Chain Hoists** *(41 22 23 13)* | | |
| 41 22 23 13-0026 | EA | 1,000 LB Capacity, Hand Chain Hoist | 1,850.41 | 155.60 |
| 41 22 23 13-0027 | EA | 2,000 LB Capacity, Hand Chain Hoist | 2,184.27 | 157.73 |
| 41 22 23 13-0028 | EA | 3,000 LB Capacity, Hand Chain Hoist | 2,939.98 | 165.19 |
| 41 22 23 13-0029 | EA | 4,000 LB Capacity, Hand Chain Hoist | 3,312.09 | 167.32 |
| 41 22 23 13-0030 | EA | 5,000 LB Capacity, Hand Chain Hoist | 4,001.25 | 175.85 |
| 41 22 23 13-0031 | EA | 6,000 LB Capacity, Hand Chain Hoist | 4,479.61 | 205.69 |
| 41 22 23 13-0032 | EA | 10,000 LB Capacity, Hand Chain Hoist | 6,222.83 | 212.09 |
| 41 22 23 13-0033 | EA | 16,000 LB Capacity, Hand Chain Hoist | 8,129.65 | 255.77 |
| 41 22 23 13-0034 | EA | 20,000 LB Capacity, Hand Chain Hoist | 9,937.37 | 267.51 |
| 41 22 23 13-0035 | EA | 30,000 LB Capacity, Hand Chain Hoist | 17,540.53 | 305.87 |

# 41 50 Material Storage *(41)*

## 41 53 Storage Equipment and Systems *(41 50)*

### 41 53 13 Storage Cabinets *(41 53)*

| | | | | |
|---|---|---|---|---|
| **41 53 13 00-0001** | | **Steel Storage Cabinets** *(41 53 13)*<br>Note: Includes powder coated finish and 4 adjustable shelves. | | |
| 41 53 13 00-0002 | EA | 36" Width x 24" Depth x 78" Height, 22 Gauge, Welded Steel Storage Cabinet | 1,053.17 | 16.55 |
| 41 53 13 00-0003 | EA | 36" Width x 24" Depth x 78" Height, 16 Gauge, Welded Steel Storage Cabinet | 2,156.46 | 16.55 |
| | | *For 4" High Legs, Add* | *354.22* | |
| | | *For Galvanized Finish, Add* | *301.00* | |
| 41 53 13 00-0004 | EA | 48" Width x 24" Depth x 78" Height, 16 Gauge, Welded Steel Storage Cabinet | 2,250.05 | 16.55 |
| | | *For 4" High Legs, Add* | *354.22* | |
| | | *For Galvanized Finish, Add* | *301.00* | |
| 41 53 13 00-0005 | EA | 60" Width x 24" Depth x 78" Height, 16 Gauge, Welded Steel Storage Cabinet | 2,937.82 | 16.55 |
| | | *For 4" High Legs, Add* | *354.22* | |
| | | *For Galvanized Finish, Add* | *395.00* | |
| 41 53 13 00-0006 | EA | 36" Width x 24" Depth x 78" Height, 14 Gauge, Welded Steel Storage Cabinet | 2,226.11 | 16.55 |
| | | *For 4" High Legs, Add* | *354.22* | |
| | | *For Galvanized Finish, Add* | *395.00* | |
| 41 53 13 00-0007 | EA | 48" Width x 24" Depth x 78" Height, 14 Gauge, Welded Steel Storage Cabinet | 2,324.05 | 16.55 |
| | | *For 4" High Legs, Add* | *354.22* | |
| | | *For Galvanized Finish, Add* | *395.00* | |
| 41 53 13 00-0008 | EA | 60" Width x 24" Depth x 78" Height, 14 Gauge, Welded Steel Storage Cabinet | 3,031.40 | 16.55 |
| | | *For 4" High Legs, Add* | *354.22* | |
| | | *For Galvanized Finish, Add* | *395.00* | |
| **41 53 13 00-0009** | | **Plastic Storage Cabinets** *(41 53 13)* | | |
| 41 53 13 00-0010 | EA | 36" Width x 22" Depth x 46" Height, Plastic Storage Cabinet<br>Note: Includes 2 adjustable shelves. | 772.91 | 16.55 |
| 41 53 13 00-0011 | EA | 36" Width x 22" Depth x 72" Height, Plastic Storage Cabinet<br>Note: Includes 4 adjustable shelves. | 958.74 | 16.55 |

**END OF SECTION 41**

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 50 Custom Standards And Assemblies

## 50 70 Greenbook Custom Standards And Assemblies *(50)*

Note: Refer to www.greenbookspecs.org for Greenbook: Standard Specifications for Public Works Construction. Tasks may include a quantity for a unit of measure price basis at end of the description in parentheses. Use as directed by owner only.

## 50 71 GENERAL PROVISIONS *(50 70)*

### 50 71 00 01 SECTION 1 - General, Terms, Definitions, Abbreviations, Units Of Measure, And Symbols *(50 71)*

50 71 00 01-0001 General, Terms, Definitions, Abbreviations, Units Of Measure, And Symbols *(50 71 00 01)*

| | | | |
|---|---|---|---|
| 50 71 00 01-0002 | LS | PAYMENT AND PERFORMANCE BONDS<br>Note: Payment and Preformance Bonds will be paid as a 1% adjustment to the base cost. Insert the appropriate quantity to adjust the base cost to the actual traffic control cost. | 1.00 |

### 50 71 00 03 SECTION 3 - Control Of The Work *(50 71)*

50 71 00 03-0001 Control Of The Work *(50 71 00 03)*

| | | | |
|---|---|---|---|
| 50 71 00 03-0002 | HR | PREPARATION OF THE SWPPP | 150.66 |
| 50 71 00 03-0003 | HR | IMPLEMENTATION OF THE SWPPP | 160.00 |

### 50 71 00 05 SECTION 5 - Legal Relations And Responsibilities *(50 71)*

50 71 00 05-0001 Legal Relations And Responsibilities *(50 71 00 05)*

| | | | |
|---|---|---|---|
| 50 71 00 05-0002 | HR | IMPLEMENTATION OF THE LTWHP | 160.00 |

### 50 71 00 06 SECTION 6 - Prosecution And Progress Of The Work *(50 71)*

50 71 00 06-0001 Prosecution And Progress Of The Work *(50 71 00 06)*

| | | | |
|---|---|---|---|
| 50 71 00 06-0002 | LS | CONSTRUCTION SCHEDULE (BASELINE) | 2,191.36 |
| 50 71 00 06-0003 | MTH | CONSTRUCTION SCHEDULE (UPDATE) | 547.84 |
| 50 71 00 06-0004 | LS | CONSTRUCTION SCHEDULE (AS-BUILT) | 1,610.24 |
| 50 71 00 06-0005 | LS | RESTRICTED WORK HOURS PREMIUM<br>Note: Restricted work hours premium will be paid as a 30% adjustment to the base cost. Insert the appropriate quantity to adjust the base cost to the actual traffic control cost. | 1.00 |
| 50 71 00 06-0006 | EA | RED FLAG WARNING DAY | 1,820.44 |

### 50 71 00 07 SECTION 7 - Measurement And Payment *(50 71)*

50 71 00 07-0001 Measurement And Payment *(50 71 00 07)*

| | | | |
|---|---|---|---|
| 50 71 00 07-0002 | NTE | MOBILIZATION<br>See CSI section 01 71 13 00-0000 for mobilization. | 0.00 |
| 50 71 00 07-0003 | NTE | REIMBURSABLE FEES<br>See CSI section 01 22 16 00-0002 for reimbursable fee. | 0.00 |

### 50 71 00 08 SECTION 8 - Facilities For Agency Personnel *(50 71)*

50 71 00 08-0001 Facilities For Agency Personnel *(50 71 00 08)*

| | | | |
|---|---|---|---|
| 50 71 00 08-0002 | NTE | OFFICE FACILITIES<br>Note: Class A Type, Furnished Per Specs See CSI section 01 52 13 00-0001 for field office facilities. | 0.00 |

## 50 72 CONSTRUCTION MATERIALS *(50 70)*

### 50 72 02 SECTION 200 - Rock Materials *(50 72)*

50 72 02 00-0001 Rock Materials *(50 72 02)*

| | | | |
|---|---|---|---|
| 50 72 02 00-0002 | CY | DECOMPOSED GRANITE, 1" - 6" THICK | 291.84 |

### 50 72 02 01 SECTION 201 - Concrete, Mortar And Related Materials *(50 72)*

50 72 02 01-0001 Concrete, Mortar And Related Materials *(50 72 02 01)*

| | | | |
|---|---|---|---|
| 50 72 02 01-0002 | CY | TRENCH BACKFILL SLURRY (CLASS 270-E-500) (1-9) | 322.04 |
| 50 72 02 01-0003 | CY | TRENCH BACKFILL SLURRY (CLASS 270-E-500) (10-45) | 284.17 |
| 50 72 02 01-0004 | CY | TRENCH BACKFILL SLURRY (CLASS 270-E-500) (46+) | 268.16 |
| 50 72 02 01-0005 | EA | CIRACP/CCPRACP MOBILIZATION | 20,000.00 |
| 50 72 02 01-0006 | EA | CIRACP/CCPRACP MIX DESIGN | 16,267.00 |
| 50 72 02 01-0007 | TON | QUICKLIME FOR CIRACP/CCPRACP | 472.53 |
| 50 72 02 01-0008 | TON | IMPORTED RAP FOR CIRACP/CCPRACP | 71.85 |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

### 50 72 02 03 SECTION 203 - Bituminous Materials *(50 72)*

#### 50 72 02 03-0001 Bituminous Materials *(50 72 02 03)*

| | | | | |
|---|---|---|---|---|
| 50 72 02 03-0002 | SY | CIR AC PAVEMENT, 2.5" - 3" THICK (15,000-50,000) | 17.60 | |
| 50 72 02 03-0003 | SY | CIR AC PAVEMENT, 2.5" - 3" THICK (50,001+) | 16.83 | |
| 50 72 02 03-0004 | SY | CIR AC PAVEMENT, 3.25" - 4" THICK (15,000-50,000) | 21.99 | |
| 50 72 02 03-0005 | SY | CIR AC PAVEMENT, 3.25" - 4" THICK (50,001+) | 21.13 | |
| 50 72 02 03-0006 | SY | CCPR AC PAVEMENT, 2.5" - 3" THICK (15,000-50,000) | 17.60 | |
| 50 72 02 03-0007 | SY | CCPR AC PAVEMENT, 2.5" - 3" THICK (50,001+) | 16.83 | |
| 50 72 02 03-0008 | SY | CCPR AC PAVEMENT, 3.25" - 4" THICK (15,000-50,000) | 21.99 | |
| 50 72 02 03-0009 | SY | CCPR AC PAVEMENT, 3.25" - 4" THICK (50,001+) | 21.13 | |

### 50 72 02 06 SECTION 206 - Miscellaneous Metal Items *(50 72)*

#### 50 72 02 06-0001 Miscellaneous Metal Items *(50 72 02 06)*

| | | | | |
|---|---|---|---|---|
| 50 72 02 06-0002 | EA | TREE WELL AND COVER PER STD PLAN 519, TYPE 3 | 757.39 | |
| 50 72 02 06-0003 | EA | TREE WELL COVER (POROUS) PER STD PLAN 519 | 707.54 | |
| 50 72 02 06-0004 | EA | TREE WELL PER STD PLAN 519, TYPE 3 (MOD, A=6') | 757.39 | |
| 50 72 02 06-0005 | SF | CATCH BASIN GRATE PER CALTRANS STD PLAN D77B, TYPE 18-8C OR TYPE 24-10C OR BOE STD PLAN S-342-4 | 890.75 | |

### 50 72 02 10 SECTION 210 - Paint And Protective Coatings *(50 72)*

#### 50 72 02 10-0001 Paint And Protective Coatings *(50 72 02 10)*

| | | | | |
|---|---|---|---|---|
| 50 72 02 10-0002 | LF | GALVANIZED SURFACE COLORANT (SHOP APPLIED) (1-100) | 22.02 | |
| 50 72 02 10-0003 | LF | GALVANIZED SURFACE COLORANT (SHOP APPLIED) (101-500) | 17.44 | |
| 50 72 02 10-0004 | LF | GALVANIZED SURFACE COLORANT (SHOP APPLIED) (501+) | 14.52 | |
| 50 72 02 10-0005 | LF | GALVANIZED SURFACE COLORANT (FIELD APPLIED) (1-100) | 42.67 | |
| 50 72 02 10-0006 | LF | GALVANIZED SURFACE COLORANT (FIELD APPLIED) (101-500) | 33.49 | |
| 50 72 02 10-0007 | LF | GALVANIZED SURFACE COLORANT (FIELD APPLIED) (501+) | 27.66 | |

### 50 72 02 13 SECTION 213 - Engineering Geosynthetics *(50 72)*

#### 50 72 02 13-0001 Engineering Geosynthetics *(50 72 02 13)*

| | | | | |
|---|---|---|---|---|
| 50 72 02 13-0002 | SY | STABILIZATION GEOTEXTILE (1-1,000) | 10.24 | |
| 50 72 02 13-0003 | SY | STABILIZATION GEOTEXTILE (1001+) | 8.25 | |

## 50 73 CONSTRUCTION METHODS *(50 70)*

### 50 73 03 SECTION 300 - Earthwork *(50 73)*

#### 50 73 03 00-0001 Earthwork *(50 73 03)*

| | | | | |
|---|---|---|---|---|
| 50 73 03 00-0002 | CY | UNCLASSIFIED EXCAVATION (1-25) | 112.05 | |
| 50 73 03 00-0003 | CY | UNCLASSIFIED EXCAVATION (26-50) | 60.29 | |
| 50 73 03 00-0004 | CY | UNCLASSIFIED EXCAVATION (51-100) | 36.97 | |
| 50 73 03 00-0005 | CY | UNCLASSIFIED EXCAVATION (101-250) | 18.56 | |
| 50 73 03 00-0006 | CY | UNCLASSIFIED EXCAVATION (251+) | 5.80 | |
| 50 73 03 00-0007 | CY | UNCLASSIFIED EXCAVATION (ROADWAY) (1-100) | 46.41 | |
| 50 73 03 00-0008 | CY | UNCLASSIFIED EXCAVATION (ROADWAY) (101-250) | 18.56 | |
| 50 73 03 00-0009 | CY | UNCLASSIFIED EXCAVATION (ROADWAY) (251+) | 7.74 | |
| 50 73 03 00-0010 | CY | IMPORTED BORROW (1-15) | 164.63 | |
| 50 73 03 00-0011 | CY | IMPORTED BORROW (16-50) | 77.28 | |
| 50 73 03 00-0012 | CY | IMPORTED BORROW (51+) | 49.21 | |
| 50 73 03 00-0013 | CY | IMPORTED BORROW (GUARDRAIL) (1-5) | 195.83 | |
| 50 73 03 00-0014 | CY | IMPORTED BORROW (GUARDRAIL) (6-10) | 117.84 | |
| 50 73 03 00-0015 | CY | IMPORTED BORROW (GUARDRAIL) (11+) | 59.34 | |

#### 50 73 03 00-0016 Root Pruning and Tree Trimming *(50 73 03)*

| | | | | |
|---|---|---|---|---|
| 50 73 03 00-0017 | LF | ROOT PRUNE TREE | 46.15 | |
| 50 73 03 00-0018 | EA | ROOT PRUNE TREE INCL ROOT CONTROL BARRIER | 1,269.96 | |
| 50 73 03 00-0019 | EA | ROOT PRUNE ONLY (1-12" DIAMETER) | 207.69 | |
| 50 73 03 00-0020 | EA | ROOT PRUNE ONLY (13-24" DIAMETER) | 231.82 | |
| 50 73 03 00-0021 | EA | ROOT PRUNE ONLY (25-30" DIAMETER) | 249.64 | |
| 50 73 03 00-0022 | EA | ROOT PRUNE ONLY (31" To 36" DIAMETER) | 270.45 | |
| 50 73 03 00-0023 | EA | ROOT PRUNE ONLY (37" To 42" DIAMETER) | 295.04 | |
| 50 73 03 00-0024 | EA | ROOT PRUNE ONLY (43"+ DIAMETER) | 324.54 | |
| 50 73 03 00-0025 | EA | CROWN RAISING, TREE (1-12" DIAMETER) | 102.58 | |
| 50 73 03 00-0026 | EA | CROWN RAISING, TREE (13-24" DIAMETER) | 126.26 | |
| 50 73 03 00-0027 | EA | CROWN RAISING, TREE (13-24" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 252.52 | |
| 50 73 03 00-0028 | EA | CROWN RAISING, TREE (25"+ DIAMETER) | 136.78 | |
| 50 73 03 00-0029 | EA | CROWN RAISING, TREE (25"+ DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 273.56 | |
| 50 73 03 00-0030 | EA | CROWN REDUCTION, TREE (1" - 12" DIAMETER) | 273.56 | |
| 50 73 03 00-0031 | EA | CROWN REDUCTION, TREE (13-24" DIAMETER) (< 70' HEIGHT) | 328.27 | |
| 50 73 03 00-0032 | EA | CROWN REDUCTION, TREE (13-24" DIAMETER) (> 70' HEIGHT) | 410.34 | |
| 50 73 03 00-0033 | EA | CROWN REDUCTION, TREE (13-24" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 656.54 | |
| 50 73 03 00-0034 | EA | CROWN REDUCTION, TREE (25-30" DIAMETER) (< 70' HEIGHT) | 364.75 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 73 03 00-0035 | EA | CROWN REDUCTION, TREE (25-30" DIAMETER) (> 70' HEIGHT) | 468.96 | |
| 50 73 03 00-0036 | EA | CROWN REDUCTION, TREE (25-30" DIAMETER)MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 729.49 | |
| 50 73 03 00-0037 | EA | CROWN REDUCTION, TREE (31-36" DIAMETER) (< 70' HEIGHT) | 410.34 | |
| 50 73 03 00-0038 | EA | CROWN REDUCTION, TREE (31-36" DIAMETER) (> 70' HEIGHT) | 547.11 | |
| 50 73 03 00-0039 | EA | CROWN REDUCTION, TREE (31-36" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 820.69 | |
| 50 73 03 00-0040 | EA | CROWN REDUCTION, TREE (37-42" DIAMETER) (< 70' HEIGHT) | 468.96 | |
| 50 73 03 00-0041 | EA | CROWN REDUCTION, TREE (37-42" DIAMETER) (> 70' HEIGHT) | 656.54 | |
| 50 73 03 00-0042 | EA | CROWN REDUCTION, TREE (37-42" DIAMETER)MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 937.92 | |
| 50 73 03 00-0043 | EA | CROWN REDUCTION, TREE (43"+ DIAMETER) (< 70' HEIGHT) | 547.11 | |
| 50 73 03 00-0044 | EA | CROWN REDUCTION, TREE (43"+ DIAMETER) (> 70' HEIGHT) | 656.54 | |
| 50 73 03 00-0045 | EA | CROWN REDUCTION, TREE (43"+ DIAMETER)MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 1,094.25 | |
| 50 73 03 00-0046 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (1-12" DIAMETER) | 547.11 | |
| 50 73 03 00-0047 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (13-24" DIAMETER) (= 70' HEIGHT) | 656.54 | |
| 50 73 03 00-0048 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (13-24" DIAMETER) (> 70' HEIGHT) | 820.69 | |
| 50 73 03 00-0049 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (13-24" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 1,313.10 | |
| 50 73 03 00-0050 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (25-30" DIAMETER) (= 70' HEIGHT) | 729.49 | |
| 50 73 03 00-0051 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (25-30" DIAMETER) (> 70' HEIGHT) | 937.92 | |
| 50 73 03 00-0052 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (25-30" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 1,459.00 | |
| 50 73 03 00-0053 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (31-36" DIAMETER) (= 70' HEIGHT) | 820.69 | |
| 50 73 03 00-0054 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (31-36" DIAMETER) (> 70' HEIGHT) | 1,094.25 | |
| 50 73 03 00-0055 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (31-36" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 1,641.37 | |
| 50 73 03 00-0056 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (37-42" DIAMETER) (= 70' HEIGHT) | 937.92 | |
| 50 73 03 00-0057 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (37-42" DIAMETER) (> 70' HEIGHT) | 1,313.10 | |
| 50 73 03 00-0058 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (37-42" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 1,875.85 | |
| 50 73 03 00-0059 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (43"+ DIAMETER) (= 70' HEIGHT) | 1,094.25 | |
| 50 73 03 00-0060 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (43"+ DIAMETER) (> 70' HEIGHT) | 1,313.10 | |
| 50 73 03 00-0061 | EA | CROWN REDUCTION W/ROOT PRUNING, TREE (43"+ DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 2,188.48 | |
| 50 73 03 00-0062 | EA | CROWN THIN, CLEAN AND SHAPE, TREE (1-12" DIAMETER) | 202.83 | |
| 50 73 03 00-0063 | EA | CROWN THIN, CLEAN AND SHAPE, TREE (13-24" DIAMETER) (= 70' HEIGHT) | 205.17 | |
| 50 73 03 00-0064 | EA | CROWN THIN, CLEAN AND SHAPE, TREE (13-24" DIAMETER) (> 70' HEIGHT) | 234.48 | |
| 50 73 03 00-0065 | EA | CROWN THIN, CLEAN AND SHAPE, TREE (13-24" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 410.34 | |
| 50 73 03 00-0066 | EA | CROWN THIN, CLEAN AND SHAPE, TREE (25"+ DIAMETER) (= 70' HEIGHT) | 298.44 | |
| 50 73 03 00-0067 | EA | CROWN THIN, CLEAN AND SHAPE, TREE (25"+ DIAMETER) (> 70' HEIGHT) | 364.75 | |
| 50 73 03 00-0068 | EA | CROWN THIN, CLEAN AND SHAPE, TREE (25"+ DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM | 547.11 | |
| 50 73 03 00-0069 | EA | TRIM AND SKIN PALM TREE (1-30' HEIGHT) | 218.84 | |
| 50 73 03 00-0070 | EA | TRIM AND SKIN PALM TREE (31-60' HEIGHT) | 273.56 | |
| 50 73 03 00-0071 | EA | TRIM AND SKIN PALM TREE (61'+ HEIGHT) | 328.27 | |
| 50 73 03 00-0072 | EA | TRIM ONLY PALM TREE (1-30' HEIGHT) | 205.17 | |
| 50 73 03 00-0073 | EA | TRIM ONLY PALM TREE (31-60' HEIGHT) | 273.56 | |
| 50 73 03 00-0074 | EA | TRIM ONLY PALM TREE (61' + HEIGHT) | 328.27 | |
| 50 73 03 00-0075 | LF | SKIN ONLY PALM TREE | 32.46 | |

### 50 73 03 00-0076 Tree Removal *(50 73 03)*

| | | | | |
|---|---|---|---|---|
| 50 73 03 00-0077 | EA | STUMP REMOVAL ONLY (1-6" DIAMETER) | 221.76 | |
| 50 73 03 00-0078 | EA | STUMP REMOVAL ONLY (6"-12" DIAMETER) | 318.88 | |
| 50 73 03 00-0079 | EA | STUMP REMOVAL ONLY (13-24" DIAMETER) | 425.17 | |
| 50 73 03 00-0080 | EA | STUMP REMOVAL ONLY (25"+ DIAMETER) | 510.21 | |
| 50 73 03 00-0081 | EA | TREE REMOVAL (1-12" DIAMETER) | 504.41 | |
| 50 73 03 00-0082 | EA | TREE REMOVAL (13-24" DIAMETER) | 1,086.41 | |
| 50 73 03 00-0083 | EA | TREE REMOVAL (25-30" DIAMETER) | 1,283.95 | |
| 50 73 03 00-0084 | EA | TREE REMOVAL (31" To 36" DIAMETER) | 1,765.42 | |
| 50 73 03 00-0085 | EA | TREE REMOVAL (37" To 42" DIAMETER) | 2,172.82 | |
| 50 73 03 00-0086 | EA | TREE REMOVAL (43"+ DIAMETER) | 2,567.88 | |
| 50 73 03 00-0087 | EA | REMOVE PALM TREE (1-30' HEIGHT) | 882.71 | |
| 50 73 03 00-0088 | EA | REMOVE PALM TREE (31-60' HEIGHT) | 1,765.42 | |
| 50 73 03 00-0089 | EA | REMOVE PALM TREE (61'+ HEIGHT) | 2,353.90 | |

## 50 73 03 01 SECTION 301 - Subgrade Preparation, Treated Materials And Placement Of Base Materials *(50 73)*

### 50 73 03 01-0001 Subgrade Preparation, Treated Materials And Placement Of Base Materials *(50 73 03 01)*

| | | | | |
|---|---|---|---|---|
| 50 73 03 01-0002 | LF | SHOULDER GRADING (0-100) | 0.21 | |
| 50 73 03 01-0003 | LF | SHOULDER GRADING (101-500) | 0.11 | |
| 50 73 03 01-0004 | LF | SHOULDER GRADING (501-5280) | 0.06 | |
| 50 73 03 01-0005 | MI | SHOULDER GRADING (1-4) | 13,437.32 | |
| 50 73 03 01-0006 | MI | SHOULDER GRADING (5-10) | 6,718.66 | |
| 50 73 03 01-0007 | MI | SHOULDER GRADING (11+) | 3,359.33 | |
| 50 73 03 01-0008 | CY | CRUSHED MISCELLANEOUS BASE (1-25) | 81.27 | |
| 50 73 03 01-0009 | CY | CRUSHED MISCELLANEOUS BASE (26-50) | 54.62 | |
| 50 73 03 01-0010 | CY | CRUSHED MISCELLANEOUS BASE (51-100) | 51.42 | |
| 50 73 03 01-0011 | CY | CRUSHED MISCELLANEOUS BASE (101-250) | 49.28 | |
| 50 73 03 01-0012 | CY | CRUSHED MISCELLANEOUS BASE (251+) | 47.77 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 73 03 01-0013 | CY | PULVERIZED MISCELLANEOUS BASE (0-10,000) | 4.70 | |
| 50 73 03 01-0014 | CY | PULVERIZED MISCELLANEOUS BASE (10,000+) | 3.52 | |
| 50 73 03 01-0015 | SY | PULVERIZED BASE MATERIAL, 0.1" – 12" THICK (1-25,000) | 1.54 | |
| 50 73 03 01-0016 | SY | PULVERIZED BASE MATERIAL, 0.1" – 12" THICK (25,001+) | 1.23 | |
| 50 73 03 01-0017 | EA | MIX DESIGN FOR SOIL-CEMENT | 106.14 | |
| 50 73 03 01-0018 | SY | SOIL CEMENT, 0.1" – 12" THICK (1-25,000) | 21.50 | |
| 50 73 03 01-0019 | SY | SOIL CEMENT, 0.1" – 12" THICK (25000) | 19.96 | |
| 50 73 03 01-0020 | TON | PORTLAND CEMENT FOR CSPB/SOIL-CEMENT (1-500) | 388.92 | |
| 50 73 03 01-0021 | TON | PORTLAND CEMENT FOR CSPB/SOIL-CEMENT (501-1,000) | 353.84 | |
| 50 73 03 01-0022 | TON | PORTLAND CEMENT FOR CSPB/SOIL-CEMENT (1,001+) | 345.29 | |
| 50 73 03 01-0023 | TON | PORTLAND CEMENT FOR CIRACP/CCPRACP | 337.15 | |
| 50 73 03 01-0024 | EA | MIX DESIGN FOR CSPB | 106.14 | |
| 50 73 03 01-0025 | SY | CEMENT-STABILIZED PULVERIZED BASE, 0.1" – 12" THICK (1-25,000) | 25.93 | |
| 50 73 03 01-0026 | SY | CEMENT-STABILIZED PULVERIZED BASE, 0.1" – 12" THICK (25,001+) | 23.45 | |

## 50 73 03 02 SECTION 302 - Roadway Surfacing *(50 73)*

### 50 73 03 02-0001 Roadway Surfacing *(50 73 03 02)*

| | | | | |
|---|---|---|---|---|
| 50 73 03 02-0002 | EA | CONCRETE VEGETATION CONTROL (PER CALTRANS STD PLAN A77N5) (1-10) | 91.20 | |
| 50 73 03 02-0003 | EA | CONCRETE VEGETATION CONTROL (PER CALTRANS STD PLAN A77N5) (11-25) | 77.37 | |
| 50 73 03 02-0004 | EA | CONCRETE VEGETATION CONTROL (PER CALTRANS STD PLAN A77N5) (26+) | 67.46 | |
| 50 73 03 02-0005 | GAL | PRIME/TACK COAT FOR CSPB (1-3,000) | 16.06 | |
| 50 73 03 02-0006 | GAL | PRIME/TACK COAT FOR CSPB (3,001+) | 15.18 | |
| 50 73 03 02-0007 | SY | PME CHIP SEAL (25,000 – 50,000) | 3.24 | |
| 50 73 03 02-0008 | SY | PME CHIP SEAL (50,001 – 100,000) | 3.05 | |
| 50 73 03 02-0009 | SY | PME CHIP SEAL (100,001+) | 2.90 | |
| 50 73 03 02-0010 | SY | PMRE CHIP SEAL (25,000 – 50,000) | 3.24 | |
| 50 73 03 02-0011 | SY | PMRE CHIP SEAL (50,001 – 100,000) | 3.05 | |
| 50 73 03 02-0012 | SY | PMRE CHIP SEAL (100,001+) | 2.90 | |
| 50 73 03 02-0013 | SY | SCRUB SEAL (25,000 – 50,000) | 3.72 | |
| 50 73 03 02-0014 | SY | FLUSH COAT (25000+) | 2.70 | |
| 50 73 03 02-0015 | TON | MICROSURFACING (TYPE II) ( 101-500) | 357.37 | |
| 50 73 03 02-0016 | TON | MICROSURFACING (TYPE II) ( 501-800 ) | 237.88 | |
| 50 73 03 02-0017 | TON | MICROSURFACING (TYPE II) ( 801+) | 207.99 | |
| 50 73 03 02-0018 | TON | MICROSURFACING (TYPE III) ( 101-500 ) | 349.98 | |
| 50 73 03 02-0019 | TON | MICROSURFACING (TYPE III) ( 501-800 ) | 225.50 | |
| 50 73 03 02-0020 | TON | MICROSURFACING (TYPE III) ( 801+) | 194.38 | |
| 50 73 03 02-0021 | LB | RAP MICROSURFACING (TYPE II) (1-2,000) | 0.44 | |
| 50 73 03 02-0022 | LB | RAP MICROSURFACING (TYPE II) (2,001+) | 0.27 | |
| 50 73 03 02-0023 | TON | RAP MICROSURFACING (TYPE II) ( 101-500) | 437.23 | |
| 50 73 03 02-0024 | TON | RAP MICROSURFACING (TYPE III) ( 101-500 ) | 430.85 | |
| 50 73 03 02-0025 | TON | RAP MICROSURFACING (TYPE III) ( 501-800 ) | 406.84 | |
| 50 73 03 02-0026 | TON | RAP MICROSURFACING (TYPE III) ( 801+) | 386.62 | |
| 50 73 03 02-0027 | TON | PME-RAP AGGREGATE SLURRY SEAL (0-200) | 480.94 | |
| 50 73 03 02-0028 | TON | PME-RAP AGGREGATE SLURRY SEAL (200+) | 368.91 | |
| 50 73 03 02-0029 | TON | RAP-PME SLURRY SEAL SURFACING (101-500) | 430.57 | |
| 50 73 03 02-0030 | TON | RAP-PME SLURRY SEAL SURFACING (501-800) | 402.81 | |
| 50 73 03 02-0031 | TON | RAP-PME SLURRY SEAL SURFACING (801+) | 380.35 | |
| 50 73 03 02-0032 | SY | RAP SCRUB SEAL (25,000 – 50,000) | 6.13 | |
| 50 73 03 02-0033 | SY | RAP SCRUB SEAL (50,001 – 100,000) | 5.87 | |
| 50 73 03 02-0034 | SY | RAP SCRUB SEAL (100,001+) | 5.65 | |
| 50 73 03 02-0035 | TON | PME SLURRY SEAL SURFACING (TYPE I) ( 101-500) | 401.38 | |
| 50 73 03 02-0036 | TON | PME SLURRY SEAL SURFACING (TYPE I) (501-800 ) | 369.37 | |
| 50 73 03 02-0037 | TON | PME SLURRY SEAL SURFACING (TYPE I) ( 801+) | 344.47 | |
| 50 73 03 02-0038 | TON | PME SLURRY SEAL SURFACING (TYPE II) ( 101-500) | 401.38 | |
| 50 73 03 02-0039 | TON | PME SLURRY SEAL SURFACING (TYPE II) (501-800 ) | 381.16 | |
| 50 73 03 02-0040 | TON | PME SLURRY SEAL SURFACING (TYPE II) ( 801+) | 353.74 | |
| 50 73 03 02-0041 | LF | AC CURB, TYPE D1-6, D1-8, OR D1-VAR | 27.12 | |
| 50 73 03 02-0042 | LF | AC DIKE (TYPE A PER CALTRANS STD PLAN A87B) (10-50) | 12.80 | |
| 50 73 03 02-0043 | LF | AC DIKE (TYPE A PER CALTRANS STD PLAN A87B) (51-100) | 11.74 | |
| 50 73 03 02-0044 | LF | AC DIKE (TYPE A PER CALTRANS STD PLAN A87B) (101+) | 10.90 | |
| 50 73 03 02-0045 | LF | AC DIKE (TYPE C PER CALTRANS STD PLAN A87B) (10-50) | 8.53 | |
| 50 73 03 02-0046 | LF | AC DIKE (TYPE C PER CALTRANS STD PLAN A87B) (51-100) | 7.84 | |
| 50 73 03 02-0047 | LF | AC DIKE (TYPE C PER CALTRANS STD PLAN A87B) (101+) | 7.27 | |
| 50 73 03 02-0048 | LF | AC DIKE (TYPE F PER CALTRANS STD PLAN A87B) (10-50) | 14.28 | |
| 50 73 03 02-0049 | LF | AC DIKE (TYPE F PER CALTRANS STD PLAN A87B) (51-100) | 12.47 | |
| 50 73 03 02-0050 | LF | AC DIKE (TYPE F PER CALTRANS STD PLAN A87B) (101+) | 11.11 | |
| 50 73 03 02-0051 | TON | AC PAVEMENT (1-5) | 543.27 | |
| 50 73 03 02-0052 | TON | AC PAVEMENT (6-10) | 348.91 | |
| 50 73 03 02-0053 | TON | AC PAVEMENT (11+) | 278.94 | |
| 50 73 03 02-0054 | TON | AC PAVEMENT(PATCH BACK) (1-10) | 543.27 | |
| 50 73 03 02-0055 | TON | AC PAVEMENT(PATCH BACK) (11-50) | 413.69 | |
| 50 73 03 02-0056 | TON | AC PAVEMENT (PATCH BACK) (51-100) | 295.90 | |
| 50 73 03 02-0057 | TON | AC PAVEMENT (PATCH BACK) (101+) | 278.94 | |
| 50 73 03 02-0058 | TON | AC PAVEMENT (DRIVEWAYS) (1-20) | 348.91 | |
| 50 73 03 02-0059 | TON | AC PAVEMENT (DRIVEWAYS) (21-50) | 318.22 | |
| 50 73 03 02-0060 | TON | AC PAVEMENT (DRIVEWAYS) (51-100) | 295.90 | |
| 50 73 03 02-0061 | TON | AC PAVEMENT (DRIVEWAYS) (101+) | 278.94 | |
| 50 73 03 02-0062 | TON | AC PAVEMENT (INVERTED SHOULDERS) (1-10) | 543.27 | |
| 50 73 03 02-0063 | TON | AC PAVEMENT (INVERTED SHOULDERS) (11-50) | 413.69 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 73 03 02-0064 | TON | AC PAVEMENT (INVERTED SHOULDERS) (51-100) | 295.90 | |
| 50 73 03 02-0065 | TON | AC PAVEMENT (INVERTED SHOULDERS) (101+) | 258.19 | |
| 50 73 03 02-0066 | TON | AC PAVEMENT (V DITCH) (1-5) | 932.01 | |
| 50 73 03 02-0067 | TON | AC PAVEMENT (V DITCH) (6-10) | 672.86 | |
| 50 73 03 02-0068 | TON | AC PAVEMENT (V DITCH) (11+) | 437.26 | |
| 50 73 03 02-0069 | TON | AC PAVEMENT (DIGOUTS) (1-100) | 315.74 | |
| 50 73 03 02-0070 | TON | AC PAVEMENT (DIGOUTS) (101-200) | 275.45 | |
| 50 73 03 02-0071 | TON | AC PAVEMENT (DIGOUTS) (201-300) | 251.27 | |
| 50 73 03 02-0072 | TON | AC PAVEMENT (DIGOUTS) (301+) | 235.14 | |
| 50 73 03 02-0073 | TON | AC PAVEMENT (LEVELING COURSE) (1-300) | 242.29 | |
| 50 73 03 02-0074 | TON | AC PAVEMENT (LEVELING COURSE) (301-500) | 218.35 | |
| 50 73 03 02-0075 | TON | AC PAVEMENT (LEVELING COURSE) (500-1,000) | 204.67 | |
| 50 73 03 02-0076 | TON | AC PAVEMENT (LEVELING COURSE) (1,001+) | 182.62 | |
| 50 73 03 02-0077 | TON | AC PAVEMENT (RESURFACING) (1-500) | 236.20 | |
| 50 73 03 02-0078 | TON | AC PAVEMENT (RESURFACING) (501-1,000) | 213.92 | |
| 50 73 03 02-0079 | TON | AC PAVEMENT (RESURFACING) (1,001-2,000) | 201.20 | |
| 50 73 03 02-0080 | TON | AC PAVEMENT (RESURFACING) (2,001+) | 180.67 | |
| 50 73 03 02-0081 | CY | PCC PAVEMENT (1-100) | 908.79 | |
| 50 73 03 02-0082 | CY | PCC PAVEMENT (101-200) | 791.76 | |
| 50 73 03 02-0083 | CY | PCC PAVEMENT (201-300) | 746.74 | |
| 50 73 03 02-0084 | CY | PCC PAVEMENT (301+) | 674.72 | |
| 50 73 03 02-0085 | TON | ASPHALT RUBBER HOT MIX (501-1200) | 228.53 | |
| 50 73 03 02-0086 | TON | ASPHALT RUBBER HOT MIX (1,201-1,800) | 208.78 | |
| 50 73 03 02-0087 | TON | ASPHALT RUBBER HOT MIX (1,801-2,400) | 190.52 | |
| 50 73 03 02-0088 | TON | ASPHALT RUBBER HOT MIX (2,401+) | 187.07 | |
| 50 73 03 02-0089 | TON | ASPHALT RUBBER HOT MIX (TEST STRIP) (500) | 228.53 | |
| 50 73 03 02-0090 | SY | ASPHALT RUBBER & AGGREGATE MEMBRANE (ARAM) (10,000-20,000) | 8.50 | |
| 50 73 03 02-0091 | SY | ASPHALT RUBBER & AGGREGATE MEMBRANE (ARAM) (20,001-35,000) | 8.14 | |
| 50 73 03 02-0092 | SY | ASPHALT RUBBER & AGGREGATE MEMBRANE (ARAM) (35,001+) | 7.41 | |
| 50 73 03 02-0093 | TON | POLYMER MODIFIED ASPHALT CONCRETE (501-1200) | 228.53 | |
| 50 73 03 02-0094 | TON | POLYMER MODIFIED ASPHALT CONCRETE (1,201-1,800) | 222.61 | |
| 50 73 03 02-0095 | TON | POLYMER MODIFIED ASPHALT CONCRETE (1,801- 2,400) | 218.17 | |
| 50 73 03 02-0096 | TON | POLYMER MODIFIED ASPHALT CONCRETE ( 2,401+) | 214.72 | |
| 50 73 03 02-0097 | TON | POLYMER MODIFIED ASPHALT CONCRETE (TEST STRIP) (500) | 228.53 | |

## 50 73 03 03 SECTION 303 - Concrete And Masonry Construction *(50 73)*

### 50 73 03 03-0001 Concrete And Masonry Construction *(50 73 03 03)*

| | | | | |
|---|---|---|---|---|
| 50 73 03 03-0002 | CY | STRUCTURE CONCRETE (1-5) | 2,230.76 | |
| 50 73 03 03-0003 | CY | STRUCTURE CONCRETE (6-10) | 1,770.41 | |
| 50 73 03 03-0004 | CY | STRUCTURE CONCRETE (11+) | 951.18 | |

## 50 73 03 04 SECTION 304 - Metal Fabrication And Construction *(50 73)*

### 50 73 03 04-0001 Metal Fabrication And Construction *(50 73 03 04)*

| | | | | |
|---|---|---|---|---|
| 50 73 03 04-0002 | LF | METAL HAND RAILINGS PER STD PLAN 606, TYPE A | 207.04 | |
| 50 73 03 04-0003 | LF | METAL HAND RAILINGS PER STD PLAN 606, TYPE C | 288.37 | |
| 50 73 03 04-0004 | LF | CHAIN LINK FENCE, 4' HIGH | 73.01 | |
| 50 73 03 04-0005 | LF | CHAIN LINK FENCE, 5' HIGH | 80.32 | |
| 50 73 03 04-0006 | LF | CHAIN LINK FENCE, 6' HIGH | 87.71 | |

## 50 73 03 06 SECTION 306 - Open Trench Conduit Construction *(50 73)*

### 50 73 03 06-0001 Open Trench Conduit Construction *(50 73 03 06)*

| | | | | |
|---|---|---|---|---|
| 50 73 03 06-0002 | EA | EXPLORATORY EXCAVATION FOR UNDERGROUND UTILITY < 3' IN DEPTH | 991.32 | |
| 50 73 03 06-0003 | EA | EXPLORATORY EXCAVATION FOR UNDERGROUND UTILITY 3' – 5' IN DEPTH | 1,486.97 | |
| 50 73 03 06-0004 | LF | REMOVE ABANDONED UNDERGROUND UTILITY UP TO 24" DEEP (1/4" TO 6" DIAMETER) | 51.81 | |

## 50 73 03 14 SECTION 314 - Traffic Striping, Curb And Pavement Markings, And Pavement Markers *(50 73)*

### 50 73 03 14-0001 Traffic Striping, Curb And Pavement Markings, And Pavement Markers *(50 73 03 14)*

| | | | | |
|---|---|---|---|---|
| 50 73 03 14-0002 | SF | REMOVE PAVEMENT MARKINGS (PAINT) | 3.89 | |
| 50 73 03 14-0003 | LF | REMOVE 4" – 8" STRIPING (PAINT) | 2.34 | |
| 50 73 03 14-0004 | LF | REMOVE 12" STRIPING (PAINT) | 5.76 | |
| 50 73 03 14-0005 | LF | REMOVE 24" STRIPING (PAINT) | 7.79 | |
| 50 73 03 14-0006 | SF | REMOVE PAVEMENT MARKINGS (THERMOPLASTIC) | 4.64 | |
| 50 73 03 14-0007 | LF | REMOVE 4" – 8" STRIPING (THERMOPLASTIC) | 2.90 | |
| 50 73 03 14-0008 | LF | REMOVE 12" STRIPING (THERMOPLASTIC) | 6.56 | |
| 50 73 03 14-0009 | LF | REMOVE 24" STRIPING (THERMOPLASTIC) | 9.28 | |
| 50 73 03 14-0010 | LF | REMOVE DETAIL 1 (PAINT) | 2.50 | |
| 50 73 03 14-0011 | LF | REMOVE DETAIL 12 (PAINT) | 1.60 | |
| 50 73 03 14-0012 | LF | REMOVE DETAIL 21 (PAINT) | 2.50 | |
| 50 73 03 14-0013 | LF | REMOVE DETAIL 25 (PAINT) | 3.08 | |
| 50 73 03 14-0014 | LF | REMOVE DETAIL 38A (PAINT) | 1.88 | |
| 50 73 03 14-0015 | LF | REMOVE DETAIL 27B (PAINT) | 2.50 | |
| 50 73 03 14-0016 | LF | REMOVE DETAIL 8 (THERMOPLASTIC) | 1.76 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 73 03 14-0017 | LF | REMOVE DETAIL 9 (THERMOPLASTIC) | 1.97 | |
| 50 73 03 14-0018 | LF | REMOVE DETAIL 12 (THERMOPLASTIC) | 1.88 | |
| 50 73 03 14-0019 | LF | REMOVE DETAIL 16 (THERMOPLASTIC) | 2.95 | |
| 50 73 03 14-0020 | LF | REMOVE DETAIL 22 (THERMOPLASTIC) | 2.50 | |
| 50 73 03 14-0021 | LF | REMOVE DETAIL 27B (THERMOPLASTIC) | 3.68 | |
| 50 73 03 14-0022 | LF | REMOVE DETAIL 29 (THERMOPLASTIC) | 2.50 | |
| 50 73 03 14-0023 | LF | REMOVE DETAIL 32 (THERMOPLASTIC) | 2.50 | |
| 50 73 03 14-0024 | LF | REMOVE DETAIL 38 (THERMOPLASTIC) | 2.50 | |
| 50 73 03 14-0025 | SF | PAVEMENT MARKINGS (TWO-COAT PAINT) | 4.91 | |
| 50 73 03 14-0026 | SF | PAVEMENT MARKINGS (THERMOPLASTIC) | 8.55 | |
| 50 73 03 14-0027 | LF | 4" STRIPING (TWO-COAT PAINT) | 1.20 | |
| 50 73 03 14-0028 | LF | 6" STRIPING (TWO-COAT PAINT) | 1.49 | |
| 50 73 03 14-0029 | LF | 8" STRIPING (TWO-COAT PAINT) | 1.78 | |
| 50 73 03 14-0030 | LF | 12" STRIPING (TWO-COAT PAINT) | 2.35 | |
| 50 73 03 14-0031 | LF | 24" STRIPING (TWO-COAT PAINT) | 5.35 | |
| 50 73 03 14-0032 | LF | 4" STRIPING (THERMOPLASTIC) | 2.64 | |
| 50 73 03 14-0033 | LF | 6" STRIPING (THERMOPLASTIC) | 3.31 | |
| 50 73 03 14-0034 | LF | 8" STRIPING (THERMOPLASTIC) | 3.99 | |
| 50 73 03 14-0035 | LF | 12" STRIPING (THERMOPLASTIC) | 5.29 | |
| 50 73 03 14-0036 | LF | 24" STRIPING (THERMOPLASTIC) | 8.15 | |
| 50 73 03 14-0037 | LF | CURB MARKINGS (ONE-COAT PAINT) | 4.26 | |
| 50 73 03 14-0038 | LF | DETAIL 1 (TWO-COAT PAINT) | 2.11 | |
| 50 73 03 14-0039 | LF | DETAIL 2 (TWO-COAT PAINT) | 2.56 | |
| 50 73 03 14-0040 | LF | DETAIL 5 (TWO-COAT PAINT) | 1.58 | |
| 50 73 03 14-0041 | LF | DETAIL 6 (TWO-COAT PAINT) | 1.58 | |
| 50 73 03 14-0042 | LF | DETAIL 8 (TWO-COAT PAINT) | 1.58 | |
| 50 73 03 14-0043 | LF | DETAIL 9 (TWO-COAT PAINT) | 2.11 | |
| 50 73 03 14-0044 | LF | DETAIL 11 (TWO-COAT PAINT) | 1.58 | |
| 50 73 03 14-0045 | LF | DETAIL 12 (TWO-COAT PAINT) | 1.58 | |
| 50 73 03 14-0046 | LF | DETAIL 19 (TWO-COAT PAINT) | 1.34 | |
| 50 73 03 14-0047 | LF | DETAIL 21 (TWO-COAT PAINT) | 2.11 | |
| 50 73 03 14-0048 | LF | DETAIL 22 (TWO-COAT PAINT) | 2.83 | |
| 50 73 03 14-0049 | LF | DETAIL 24 (TWO-COAT PAINT) | 1.08 | |
| 50 73 03 14-0050 | LF | DETAIL 25 (TWO-COAT PAINT) | 1.58 | |
| 50 73 03 14-0051 | LF | DETAIL 26 (TWO-COAT PAINT) | 1.58 | |
| 50 73 03 14-0052 | LF | DETAIL 27 (TWO-COAT PAINT) | 1.58 | |
| 50 73 03 14-0053 | LF | DETAIL 27B (TWO-COAT PAINT) | 1.58 | |
| 50 73 03 14-0054 | LF | DETAIL 27C (TWO-COAT PAINT) | 1.58 | |
| 50 73 03 14-0055 | LF | DETAIL 28 (TWO-COAT PAINT) | 2.11 | |
| 50 73 03 14-0056 | LF | DETAIL 29 (TWO-COAT PAINT) | 2.83 | |
| 50 73 03 14-0057 | LF | DETAIL 31 (TWO-COAT PAINT) | 2.11 | |
| 50 73 03 14-0058 | LF | DETAIL 32 (TWO-COAT PAINT) | 2.11 | |
| 50 73 03 14-0059 | LF | DETAIL 37B (TWO-COAT PAINT) | 1.58 | |
| 50 73 03 14-0060 | LF | DETAIL 38 (TWO-COAT PAINT) | 2.11 | |
| 50 73 03 14-0061 | LF | DETAIL 38A (TWO-COAT PAINT) | 1.58 | |
| 50 73 03 14-0062 | LF | DETAIL 38B (TWO-COAT PAINT) | 2.83 | |
| 50 73 03 14-0063 | LF | DETAIL 39 (TWO-COAT PAINT) | 2.11 | |
| 50 73 03 14-0064 | LF | DETAIL 39A (TWO-COAT PAINT) | 1.34 | |
| 50 73 03 14-0065 | LF | DETAIL 40 (TWO-COAT PAINT) | 1.34 | |
| 50 73 03 14-0066 | LF | DETAIL 40A (TWO-COAT PAINT) | 2.11 | |
| 50 73 03 14-0067 | LF | DETAIL 41 (TWO-COAT PAINT) | 2.20 | |
| 50 73 03 14-0068 | LF | DETAIL 1 (THERMOPLASTIC) | 1.67 | |
| 50 73 03 14-0069 | LF | DETAIL 2 (THERMOPLASTIC) | 2.20 | |
| 50 73 03 14-0070 | LF | DETAIL 5 (THERMOPLASTIC) | 1.43 | |
| 50 73 03 14-0071 | LF | DETAIL 6 (THERMOPLASTIC) | 1.43 | |
| 50 73 03 14-0072 | LF | DETAIL 8 (THERMOPLASTIC) | 2.20 | |
| 50 73 03 14-0073 | LF | DETAIL 9 (THERMOPLASTIC) | 2.20 | |
| 50 73 03 14-0074 | LF | DETAIL 11 (THERMOPLASTIC) | 1.18 | |
| 50 73 03 14-0075 | LF | DETAIL 12 (THERMOPLASTIC) | 1.18 | |
| 50 73 03 14-0076 | LF | DETAIL 19 (THERMOPLASTIC) | 3.34 | |
| 50 73 03 14-0077 | LF | DETAIL 21 (THERMOPLASTIC) | 3.83 | |
| 50 73 03 14-0078 | LF | DETAIL 22 (THERMOPLASTIC) | 3.02 | |
| 50 73 03 14-0079 | LF | DETAIL 24 (THERMOPLASTIC) | 1.67 | |
| 50 73 03 14-0080 | LF | DETAIL 25 (THERMOPLASTIC) | 2.20 | |
| 50 73 03 14-0081 | LF | DETAIL 26 (THERMOPLASTIC) | 2.69 | |
| 50 73 03 14-0082 | LF | DETAIL 27 (THERMOPLASTIC) | 3.02 | |
| 50 73 03 14-0083 | LF | DETAIL 27B (THERMOPLASTIC) | 1.33 | |
| 50 73 03 14-0084 | LF | DETAIL 27C (THERMOPLASTIC) | 1.66 | |
| 50 73 03 14-0085 | LF | DETAIL 28 (THERMOPLASTIC) | 4.54 | |
| 50 73 03 14-0086 | LF | DETAIL 29 (THERMOPLASTIC) | 5.34 | |
| 50 73 03 14-0087 | LF | DETAIL 31 (THERMOPLASTIC) | 2.21 | |
| 50 73 03 14-0088 | LF | DETAIL 32 (THERMOPLASTIC) | 4.54 | |
| 50 73 03 14-0089 | LF | DETAIL 37B (THERMOPLASTIC) | 2.69 | |
| 50 73 03 14-0090 | LF | DETAIL 38 (THERMOPLASTIC) | 3.02 | |
| 50 73 03 14-0091 | LF | DETAIL 38A (THERMOPLASTIC) | 2.20 | |
| 50 73 03 14-0092 | LF | DETAIL 38B (THERMOPLASTIC) | 2.69 | |
| 50 73 03 14-0093 | LF | DETAIL 39 (THERMOPLASTIC) | 1.67 | |
| 50 73 03 14-0094 | LF | DETAIL 39A (THERMOPLASTIC) | 1.33 | |
| 50 73 03 14-0095 | LF | DETAIL 40 (THERMOPLASTIC) | 3.02 | |
| 50 73 03 14-0096 | LF | DETAIL 40A (THERMOPLASTIC) | 4.51 | |
| 50 73 03 14-0097 | LF | DETAIL 41 (THERMOPLASTIC) | 7.78 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 73 03 14-0098 | EA | PAVEMENT MARKERS (REFLECTIVE-RECESSED) | 11.65 | |
| 50 73 03 14-0099 | EA | INSTALL FIRE HYDRANT LOCATION RPM | 11.65 | |

# 50 74 EXISTING IMPROVEMENTS *(50 70)*

## 50 74 04 SECTION 400 - Protection and Restoration *(50 74)*

### 50 74 04 00-0001 Protection and Restoration *(50 74 04)*

| | | | |
|---|---|---|---|
| 50 74 04 00-0002 | LF | CRACK SEALING (301-400) | 3.33 |
| 50 74 04 00-0003 | LF | CRACK SEALING (401+) | 3.16 |
| 50 74 04 00-0004 | LF | CRACK SEALING (1-2,000) | 2.95 |
| 50 74 04 00-0005 | LF | CRACK SEALING (2,001+) | 2.85 |

## 50 74 04 01 SECTION 401 - Concrete and Masonry Improvements and Removal *(50 74)*

### 50 74 04 01-0001 Removal *(50 74 04 01)*

| | | | |
|---|---|---|---|
| 50 74 04 01-0002 | CY | CONCRETE REMOVAL (NON-REINFORCED) (1-25) | 220.36 |
| 50 74 04 01-0003 | CY | CONCRETE REMOVAL (NON-REINFORCED) (26-100) | 118.31 |
| 50 74 04 01-0004 | CY | CONCRETE REMOVAL (NON-REINFORCED) (101-250) | 67.29 |
| 50 74 04 01-0005 | CY | CONCRETE REMOVAL (NON-REINFORCED) (251+) | 50.28 |
| 50 74 04 01-0006 | CY | CONCRETE REMOVAL (REINFORCED) (1-25) | 243.04 |
| 50 74 04 01-0007 | CY | CONCRETE REMOVAL (REINFORCED) (26-100) | 129.65 |
| 50 74 04 01-0008 | CY | CONCRETE REMOVAL (REINFORCED) (101-250) | 72.97 |
| 50 74 04 01-0009 | CY | CONCRETE REMOVAL (REINFORCED) (251+) | 54.07 |
| 50 74 04 01-0010 | SF | GRIND PCC PAVEMENT (0 – 1-1/2") | 6.95 |
| 50 74 04 01-0011 | SF | GRIND PCC PAVEMENT (> 1-1/2" – 3") | 9.28 |

### 50 74 04 01-0012 Concrete and Masonry Improvements *(50 74 04 01)*

| | | | |
|---|---|---|---|
| 50 74 04 01-0013 | LF | PCC CURB, TYPE A1-6 (1-50) | 38.52 |
| 50 74 04 01-0014 | LF | PCC CURB, TYPE A1-6 (51-100) | 28.60 |
| 50 74 04 01-0015 | LF | PCC CURB, TYPE A1-6 (101-250) | 23.65 |
| 50 74 04 01-0016 | LF | PCC CURB, TYPE A1-6 (251-500) | 20.68 |
| 50 74 04 01-0017 | LF | PCC CURB, TYPE A1-6 (501+) | 18.70 |
| 50 74 04 01-0018 | LF | PCC CURB, TYPE A1-8 (1-50) | 45.36 |
| 50 74 04 01-0019 | LF | PCC CURB, TYPE A1-8 (51-100) | 35.44 |
| 50 74 04 01-0020 | LF | PCC CURB, TYPE A1-8 (101-250) | 30.49 |
| 50 74 04 01-0021 | LF | PCC CURB, TYPE A1-8 (251-500) | 27.52 |
| 50 74 04 01-0022 | LF | PCC CURB, TYPE A1-8 (501+) | 25.54 |
| 50 74 04 01-0023 | LF | PCC CURB, TYPE A1-VAR (1-50) | 45.36 |
| 50 74 04 01-0024 | LF | PCC CURB, TYPE A1-VAR (51+) | 35.44 |
| 50 74 04 01-0025 | LF | PCC CURB AND GUTTER, TYPE A2-6 (1-50) | 47.29 |
| 50 74 04 01-0026 | LF | PCC CURB AND GUTTER, TYPE A2-6 (51-100) | 37.37 |
| 50 74 04 01-0027 | LF | PCC CURB AND GUTTER, TYPE A2-6 H323 (101-250) | 32.42 |
| 50 74 04 01-0028 | LF | PCC CURB AND GUTTER, TYPE A2-6 (251-500) | 29.45 |
| 50 74 04 01-0029 | LF | PCC CURB AND GUTTER, TYPE A2-6 (501+) | 27.47 |
| 50 74 04 01-0030 | LF | PCC CURB AND GUTTER, TYPE A2-8 (1-50) | 60.96 |
| 50 74 04 01-0031 | LF | PCC CURB AND GUTTER, TYPE A2-8 (51-100) | 51.04 |
| 50 74 04 01-0032 | LF | PCC CURB AND GUTTER, TYPE A2-8 (101-250) | 46.09 |
| 50 74 04 01-0033 | LF | PCC CURB AND GUTTER, TYPE A2-8 (251-500) | 43.12 |
| 50 74 04 01-0034 | LF | PCC CURB AND GUTTER, TYPE A2-8 (501+) | 41.14 |
| 50 74 04 01-0035 | LF | PCC CURB AND GUTTER, TYPE A2-VAR (1-50) | 60.96 |
| 50 74 04 01-0036 | LF | PCC CURB AND GUTTER, TYPE A2-VAR (51+) | 51.04 |
| 50 74 04 01-0037 | LF | PCC CURB AND GUTTER, TYPE A3-6 (1-50) | 77.53 |
| 50 74 04 01-0038 | LF | PCC CURB AND GUTTER, TYPE A3-6 (51-100) | 67.61 |
| 50 74 04 01-0039 | LF | PCC CURB AND GUTTER, TYPE A3-6 (101-250) | 62.66 |
| 50 74 04 01-0040 | LF | PCC CURB AND GUTTER, TYPE A3-6 (251-500) | 59.69 |
| 50 74 04 01-0041 | LF | PCC CURB AND GUTTER, TYPE A3-6 (501+) | 57.71 |
| 50 74 04 01-0042 | LF | PCC CURB AND GUTTER, TYPE A3-8 (1-50) | 82.18 |
| 50 74 04 01-0043 | LF | PCC CURB AND GUTTER, TYPE A3-8 (51-100) | 72.26 |
| 50 74 04 01-0044 | LF | PCC CURB AND GUTTER, TYPE A3-8 (101-250) | 67.31 |
| 50 74 04 01-0045 | LF | PCC CURB AND GUTTER, TYPE A3-8 (251-500) | 64.34 |
| 50 74 04 01-0046 | LF | PCC CURB AND GUTTER, TYPE A3-8 (501+) | 62.36 |
| 50 74 04 01-0047 | LF | PCC CURB AND GUTTER, TYPE A3-VAR (1-50) | 82.18 |
| 50 74 04 01-0048 | LF | PCC CURB AND GUTTER, TYPE A3-VAR (51+) | 72.26 |
| 50 74 04 01-0049 | LF | PCC CURB AND GUTTER (1-25) | 60.96 |
| 50 74 04 01-0050 | LF | PCC CURB AND GUTTER (26-100) | 51.04 |
| 50 74 04 01-0051 | LF | PCC CURB AND GUTTER (101+) | 46.09 |
| 50 74 04 01-0052 | CY | LONGITUDINAL GUTTER (1-4) | 454.58 |
| 50 74 04 01-0053 | CY | LONGITUDINAL GUTTER (5-9) | 430.20 |
| 50 74 04 01-0054 | CY | LONGITUDINAL GUTTER (10+) | 417.03 |
| 50 74 04 01-0055 | SF | PCC WALK AND DRIVES, 4" THICK (1-100) | 16.74 |
| 50 74 04 01-0056 | SF | PCC WALK AND DRIVES, 4" THICK (101-250) | 14.33 |
| 50 74 04 01-0057 | SF | PCC WALK AND DRIVES, 4" THICK (251-500) | 12.72 |
| 50 74 04 01-0058 | SF | PCC WALK AND DRIVES, 4" THICK (501+) | 11.57 |
| 50 74 04 01-0059 | CY | PCC CURB RAMPS (1-9)<br>Note: Includes Detectable Warning Panel | 1,129.83 |
| 50 74 04 01-0060 | CY | PCC CURB RAMPS (10-27)<br>Note: Includes Detectable Warning Panel | 928.64 |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 74 04 01-0061 | CY | PCC CURB RAMPS (28+)<br>Note: Includes Detectable Warning Panel | 828.05 | |
| 50 74 04 01-0062 | SF | PCC WALK AND DRIVES, 6" THICK (1-100) | 18.72 | |
| 50 74 04 01-0063 | SF | PCC WALK AND DRIVES, 6" THICK (101-250) | 16.31 | |
| 50 74 04 01-0064 | SF | PCC WALK AND DRIVES, 6" THICK (251-500) | 14.70 | |
| 50 74 04 01-0065 | SF | PCC WALK AND DRIVES, 6" THICK (501+) | 13.55 | |
| 50 74 04 01-0066 | SF | DETECTABLE WARNING SURFACE | 50.30 | |
| 50 74 04 01-0067 | CY | CROSS GUTTER (1-9) | 601.18 | |
| 50 74 04 01-0068 | CY | CROSS GUTTER (10-27) | 522.58 | |
| 50 74 04 01-0069 | CY | CROSS GUTTER (28+) | 478.36 | |
| 50 74 04 01-0070 | CY | ALLEY INTERSECTION (1-9) | 601.18 | |
| 50 74 04 01-0071 | CY | ALLEY INTERSECTION (10+) | 522.58 | |

## 50 74 04 02 SECTION 402 - Utilities *(50 74)*

### 50 74 04 02-0001 Utilities *(50 74 04 02)*

### 50 74 04 02-0002 Concrete Utility Pipe *(50 74 04 02-0001)*

| | | | | |
|---|---|---|---|---|
| 50 74 04 02-0003 | LF | 12" REINFORCED CONCRETE PIPE<br>Note: Includes 0.37 CY of excavated material per LF of pipe. | 67.31 | |
| | | *For >1,000, Deduct* | *-3.37* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0004 | LF | 15" REINFORCED CONCRETE PIPE<br>Note: Includes 0.53 CY of excavated material per LF of pipe. | 83.48 | |
| | | *For >1,000, Deduct* | *-4.17* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0005 | LF | 18" REINFORCED CONCRETE PIPE<br>Note: Includes 0.64 CY of excavated material per LF of pipe. | 95.95 | |
| | | *For >1,000, Deduct* | *-4.80* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0006 | LF | 21" REINFORCED CONCRETE PIPE<br>Note: Includes 0.80 CY of excavated material per LF of pipe. | 123.25 | |
| | | *For >1,000, Deduct* | *-6.16* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0007 | LF | 24" REINFORCED CONCRETE PIPE<br>Note: Includes 0.89 CY of excavated material per LF of pipe. | 142.70 | |
| | | *For >1,000, Deduct* | *-7.14* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0008 | LF | 27" REINFORCED CONCRETE PIPE<br>Note: Includes 0.98 CY of excavated material per LF of pipe. | 175.66 | |
| | | *For >1,000, Deduct* | *-8.78* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0009 | LF | 30" REINFORCED CONCRETE PIPE<br>Note: Includes 1.08 CY of excavated material per LF of pipe. | 187.73 | |
| | | *For >1,000, Deduct* | *-9.39* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0010 | LF | 33" REINFORCED CONCRETE PIPE<br>Note: Includes 1.19 CY of excavated material per LF of pipe. | 209.16 | |
| | | *For >1,000, Deduct* | *-10.46* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0011 | LF | 36" REINFORCED CONCRETE PIPE<br>Note: Includes 1.30 CY of excavated material per LF of pipe. | 230.40 | |
| | | *For >1,000, Deduct* | *-11.52* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0012 | LF | 42" REINFORCED CONCRETE PIPE<br>Note: Includes 1.53 CY of excavated material per LF of pipe. | 295.11 | |
| | | *For >1,000, Deduct* | *-14.76* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0013 | LF | 48" REINFORCED CONCRETE PIPE<br>Note: Includes 1.78 CY of excavated material per LF of pipe. | 353.06 | |
| | | *For >1,000, Deduct* | *-17.65* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0014 | LF | 21" REINFORCED CONCRETE PIPE (CLASS III)<br>Note: Includes 0.80 CY of excavated material per LF of pipe. | 123.76 | |
| | | *For >1,000, Deduct* | *-6.19* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0015 | LF | 24" REINFORCED CONCRETE PIPE (CLASS III)<br>Note: Includes 0.89 CY of excavated material per LF of pipe. | 143.27 | |
| | | *For >1,000, Deduct* | *-7.16* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 74 04 02-0016 | LF | 27" REINFORCED CONCRETE PIPE (CLASS III) | 176.38 | |
| | | Note: Includes 0.98 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-8.82* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0017 | LF | 30" REINFORCED CONCRETE PIPE (CLASS III) | 188.51 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-9.43* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0018 | LF | 33" REINFORCED CONCRETE PIPE (CLASS III) | 210.08 | |
| | | Note: Includes 1.19 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-10.50* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0019 | LF | 36" REINFORCED CONCRETE PIPE (CLASS III) | 231.46 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-11.57* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0020 | LF | 42" REINFORCED CONCRETE PIPE (CLASS III) | 296.64 | |
| | | Note: Includes 1.53 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-14.83* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0021 | LF | 48" REINFORCED CONCRETE PIPE (CLASS III) | 354.96 | |
| | | Note: Includes 1.78 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-17.75* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0022 | LF | 12" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) | 67.89 | |
| | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-3.39* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0023 | LF | 15" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) | 84.22 | |
| | | Note: Includes 0.53 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-4.21* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0024 | LF | 18" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) | 96.72 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-4.84* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0025 | LF | 21" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) | 124.26 | |
| | | Note: Includes 0.80 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-6.21* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0026 | LF | 24" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) | 143.84 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-7.19* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0027 | LF | 12" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 69.48 | |
| | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-3.47* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0028 | LF | 15" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 86.25 | |
| | | Note: Includes 0.53 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-4.31* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0029 | LF | 18" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 98.86 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-4.94* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0030 | LF | 21" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 127.04 | |
| | | Note: Includes 0.80 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-6.35* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0031 | LF | 24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 146.98 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-7.35* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0032 | LF | 27" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 181.06 | |
| | | Note: Includes 0.98 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-9.05* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 74 04 02-0033 | LF | 30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 193.58 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-9.68* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0034 | LF | 33" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 253.99 | |
| | | Note: Includes 1.19 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-12.70* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0035 | LF | 36" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 238.33 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-11.92* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0036 | LF | 42" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 306.58 | |
| | | Note: Includes 1.53 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-15.33* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 74 04 02-0037 | LF | 48" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 367.29 | |
| | | Note: Includes 1.78 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-18.36* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |

### 50 74 04 03 SECTION 403 - Manhole Adjustment And Reconstruction *(50 74)*

50 74 04 03-0001 Manhole Adjustment And Reconstruction *(50 74 04 03)*

| | | | |
|---|---|---|---|
| 50 74 04 03-0002 | EA | RECONSTRUCT MANHOLE (1-6) | 4,413.57 |
| 50 74 04 03-0003 | EA | RECONSTRUCT MANHOLE (7-12) | 4,125.64 |
| 50 74 04 03-0004 | EA | RECONSTRUCT MANHOLE (13+) | 3,837.72 |
| 50 74 04 03-0005 | EA | ADJUST MANHOLE (1-6) | 1,430.55 |
| 50 74 04 03-0006 | EA | ADJUST MANHOLE (7-12) | 1,191.95 |
| 50 74 04 03-0007 | EA | ADJUST MANHOLE (13+) | 1,043.24 |
| 50 74 04 03-0008 | EA | DOUBLE ADJUST MANHOLE (1-6) | 2,261.80 |
| 50 74 04 03-0009 | EA | DOUBLE ADJUST MANHOLE (7-12) | 1,904.45 |
| 50 74 04 03-0010 | EA | DOUBLE ADJUST MANHOLE (13+) | 1,636.98 |

### 50 74 04 04 SECTION 404 - Cold Milling *(50 74)*

50 74 04 04-0001 Cold Milling *(50 74 04 04)*

| | | | |
|---|---|---|---|
| 50 74 04 04-0002 | SF | COLD MILL AC PAVEMENT (0 – 1-1/2") (10,000-100,000) | 0.32 |
| 50 74 04 04-0003 | SF | COLD MILL AC PAVEMENT (0 – 1-1/2") (100,001-250,000) | 0.26 |
| 50 74 04 04-0004 | SF | COLD MILL AC PAVEMENT (0 – 1-1/2") (250,001-400,000) | 0.22 |
| 50 74 04 04-0005 | SF | COLD MILL AC PAVEMENT (0 – 1-1/2") (400,001+) | 0.22 |
| 50 74 04 04-0006 | SF | COLD MILL AC PAVEMENT (> 1-1/2 – 3") (10,000-100,000) | 0.38 |
| 50 74 04 04-0007 | SF | COLD MILL AC PAVEMENT (> 1-1/2 – 3") (100,001-250,000) | 0.32 |
| 50 74 04 04-0008 | SF | COLD MILL AC PAVEMENT (> 1-1/2 – 3") (250,001-400,000) | 0.26 |
| 50 74 04 04-0009 | SF | COLD MILL AC PAVEMENT (> 1-1/2 – 3") (400,001+) | 0.26 |
| 50 74 04 04-0010 | SF | COLD MILL AC PAVEMENT (> 3") (10,000-100,000) | 0.38 |
| 50 74 04 04-0011 | SF | COLD MILL AC PAVEMENT (> 3") (100,001-250,000) | 0.36 |
| 50 74 04 04-0012 | SF | COLD MILL AC PAVEMENT (> 3") (250,001-400,000) | 0.32 |
| 50 74 04 04-0013 | SF | COLD MILL AC PAVEMENT (> 3") (400,001+) | 0.32 |
| 50 74 04 04-0014 | LF | INDUCTIVE LOOP DETECTOR AND LEADS SAW CUT (20-1,500) | 11.30 |
| 50 74 04 04-0015 | LF | INDUCTIVE LOOP DETECTOR AND LEADS SAW CUT (1,501+) | 10.15 |

### 50 74 04 05 SECTION 405 - Micro-Milling *(50 74)*

50 74 04 05-0001 Micro-Milling *(50 74 04 05)*

| | | | |
|---|---|---|---|
| 50 74 04 05-0002 | SF | MICRO-MILL AC PAVEMENT (< 1") (10,000-100,000) | 0.27 |
| 50 74 04 05-0003 | SF | MICRO-MILL AC PAVEMENT (< 1") (100,001-250,000) | 0.26 |
| 50 74 04 05-0004 | SF | MICRO-MILL AC PAVEMENT (< 1") (250,001-400,000) | 0.24 |
| 50 74 04 05-0005 | SF | MICRO-MILL AC PAVEMENT (< 1") (400,000+) | 0.24 |

## 50 76 TEMPORARY TRAFFIC CONTROL *(50 70)*

### 50 76 06 01 SECTION 601 - Temporary Traffic Control For Construction And Maintenance Work Zones *(50 76)*

50 76 06 01-0001 Temporary Traffic Control For Construction And Maintenance Work Zones *(50 76 06 01)*

| | | | |
|---|---|---|---|
| 50 76 06 01-0002 | NTE | TRAFFIC CONTROL | 0.00 |
| | | See CSI section 01 22 20 00-0078 for traffic control. | |
| 50 76 06 01-0003 | NTE | TRAFFIC CONTROL (RECONSTRUCTION) | 0.00 |
| 50 76 06 01-0004 | DAY | FLASHING ARROW SIGN | 69.95 |
| 50 76 06 01-0005 | DAY | CHANGEABLE MESSAGE SIGN | 100.86 |

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| CSI | MINOR UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

# 50 78 LANDSCAPING AND IRRIGATION *(50 70)*

## 50 78 08 01 SECTION 801 - Landscape And Irrigation - Installation *(50 78)*

### 50 78 08 01-0001 Landscape And Irrigation - Installation *(50 78 08 01)*

| | | | |
|---|---|---|---|
| 50 78 08 01-0002 | EA | FURNISH AND PLANT 15-GALLON TREE | 939.42 |
| 50 78 08 01-0003 | EA | FURNISH AND PLANT 24-INCH BOX TREE | 1,611.96 |
| 50 78 08 01-0004 | EA | FURNISH AND PLANT 36-INCH BOX TREE | 2,198.33 |
| 50 78 08 01-0005 | SY | SOD | 22.50 |
| 50 78 08 01-0006 | LF | ADJUST/REPAIR SPRINKLER SYSTEM | 2.75 |

### 50 78 08 01-0007 Landscape And Irrigation Piping *(50 78 08 01)*

| | | | |
|---|---|---|---|
| 50 78 08 01-0008 | EA | 1/2" GATE VALVE | 315.13 |
| 50 78 08 01-0009 | EA | 3/4" GATE VALVE | 334.48 |
| 50 78 08 01-0010 | EA | 1" GATE VALVE | 365.43 |
| 50 78 08 01-0011 | EA | 1 1/4" GATE VALVE | 402.85 |
| 50 78 08 01-0012 | EA | 1 1/2" GATE VALVE | 429.89 |
| 50 78 08 01-0013 | EA | 2" GATE VALVE | 489.61 |
| 50 78 08 01-0014 | EA | 2 1/2" GATE VALVE | 798.54 |
| 50 78 08 01-0015 | EA | 3" GATE VALVE | 1,419.11 |
| 50 78 08 01-0016 | EA | 4" GATE VALVE | 1,892.49 |
| 50 78 08 01-0017 | EA | 6" GATE VALVE | 2,747.26 |
| 50 78 08 01-0018 | EA | 8" GATE VALVE | 4,208.14 |
| 50 78 08 01-0019 | LF | 1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 7.52 |
| | | *For >1,000, Deduct* | *-0.38* |
| | | *For Schedule 80, Add* | *0.38* |
| 50 78 08 01-0020 | LF | 10" WELDED STEEL PIPE CONDUIT | 201.72 |
| | | *For >1,000, Deduct* | *-10.09* |
| 50 78 08 01-0021 | LF | 1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 8.88 |
| | | *For >1,000, Deduct* | *-0.44* |
| | | *For Schedule 80, Add* | *0.57* |
| 50 78 08 01-0022 | EA | CAM COUPLER ASSEMBLY | 452.53 |
| 50 78 08 01-0023 | LF | 1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 9.12 |
| | | *For >1,000, Deduct* | *-0.46* |
| | | *For Schedule 80, Add* | *0.77* |
| 50 78 08 01-0024 | LF | 2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 10.77 |
| | | *For >1,000, Deduct* | *-0.54* |
| | | *For Schedule 80, Add* | *1.29* |
| 50 78 08 01-0025 | LF | 2 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 13.10 |
| | | *For >1,000, Deduct* | *-0.66* |
| | | *For Schedule 80, Add* | *1.68* |
| 50 78 08 01-0026 | LF | 3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 16.94 |
| | | *For >1,000, Deduct* | *-0.85* |
| | | *For Schedule 80, Add* | *2.35* |
| 50 78 08 01-0027 | LF | 4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 21.39 |
| | | *For >1,000, Deduct* | *-1.07* |
| | | *For Schedule 80, Add* | *3.59* |
| 50 78 08 01-0028 | LF | 6" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 29.69 |
| | | *For >1,000, Deduct* | *-1.48* |
| | | *For Schedule 80, Add* | *8.00* |
| 50 78 08 01-0029 | LF | 8" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 36.49 |
| | | *For >1,000, Deduct* | *-1.82* |
| | | *For Schedule 80, Add* | *12.26* |
| 50 78 08 01-0030 | LF | 10" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 77.59 |
| | | *For >1,000, Deduct* | *-3.88* |
| | | *For Schedule 80, Add* | *38.12* |
| 50 78 08 01-0031 | LF | 2" WELDED STEEL PIPE CONDUIT | 36.96 |
| | | *For >1,000, Deduct* | *-1.85* |
| 50 78 08 01-0032 | LF | 3" WELDED STEEL PIPE CONDUIT | 52.08 |
| | | *For >1,000, Deduct* | *-2.60* |
| 50 78 08 01-0033 | LF | 4" WELDED STEEL PIPE CONDUIT | 71.99 |
| | | *For >1,000, Deduct* | *-3.60* |
| 50 78 08 01-0034 | LF | 6" WELDED STEEL PIPE CONDUIT | 104.89 |
| | | *For >1,000, Deduct* | *-5.24* |
| 50 78 08 01-0035 | LF | 8" WELDED STEEL PIPE CONDUIT | 151.20 |
| | | *For >1,000, Deduct* | *-7.56* |

# 50 79 SPECIAL PROVISIONS *(50 70)*

### 50 79 00 00-0001 Special Provisions *(50 79)*

| | | | |
|---|---|---|---|
| 50 79 00 00-0002 | LF | ROOT CONTROL BARRIER | 45.88 |
| 50 79 00 00-0003 | TON | REMOVAL AND DISPOSAL OF CCPRACP EXCESS RAP | 34.91 |
| 50 79 00 00-0004 | TON | EMULSIFIED RECYCLING AGENT FOR CIRACP/CCPRACP | 1,127.73 |
| 50 79 00 00-0005 | EA | ADJUST VALVE COVER TO GRADE | 723.26 |
| 50 79 00 00-0006 | EA | NO. 5 PULL BOX INCL PCC COVER | 1,885.59 |
| 50 79 00 00-0007 | EA | NO. 6 PULL BOX INCL PCC COVER | 2,553.30 |
| 50 79 00 00-0008 | EA | CURB DRAIN PER STD PLAN 150, N=1-3, CASE I, II, OR III INLET | 3,294.50 |
| 50 79 00 00-0009 | SF | PARKWAY DRAIN PER STD PLAN 151 | 461.37 |
| 50 79 00 00-0010 | CY | REINFORCED CONCRETE STAIRWAY PER STD PLAN 640 | 3,044.64 |
| 50 79 00 00-0011 | CY | CONCRETE SLOUGH WALL PER LACDPW STD PLAN 6203 | 2,645.79 |


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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 79 00 00-0012 | SF | CONCRETE BLOCK SLOUGH WALL PER STD PLAN 622 | 393.23 | |
| 50 79 00 00-0013 | CY | PCC FOOTING FOR CONCRETE BLOCK SLOUGH WALL | 2,010.78 | |
| 50 79 00 00-0014 | LF | REMOVE EXISTING CHAIN LINK FENCE | 18.12 | |
| 50 79 00 00-0015 | LF | REMOVE AND DISPOSE OF EXISTING GUARDRAIL (INCLUDING POSTS) (25-100) | 36.30 | |
| 50 79 00 00-0016 | LF | REMOVE AND DISPOSE OF EXISTING GUARDRAIL (INCLUDING POSTS) (101-500) | 29.81 | |
| 50 79 00 00-0017 | LF | REMOVE AND DISPOSE OF EXISTING GUARDRAIL (INCLUDING POSTS) (501+) | 23.07 | |
| 50 79 00 00-0018 | LF | REMOVE AND DISPOSE OF EXISTING GUARDRAIL END TREATMENT AND CONCRETE FOOTING (INCLUDING POSTS) (1-50) | 42.90 | |
| 50 79 00 00-0019 | LF | REMOVE AND DISPOSE OF EXISTING GUARDRAIL END TREATMENT AND CONCRETE FOOTING (INCLUDING POSTS) (51+) | 36.30 | |
| 50 79 00 00-0020 | LB | TRANSPORTATION AND DISPOSAL OF TREATED WOOD WASTE (1-2000) | 0.82 | |
| 50 79 00 00-0021 | LB | TRANSPORTATION AND DISPOSAL OF TREATED WOOD WASTE (2001-6000) | 0.31 | |
| 50 79 00 00-0022 | LB | TRANSPORTATION AND DISPOSAL OF TREATED WOOD WASTE (6001+) | 0.11 | |
| 50 79 00 00-0023 | LF | METAL BEAM GUARD RAILING (STEEL POST W/ PLASTIC BLOCK) (25-100) | 84.85 | |
| 50 79 00 00-0024 | LF | METAL BEAM GUARD RAILING (STEEL POST W/ PLASTIC BLOCK) (101-500) | 71.48 | |
| 50 79 00 00-0025 | LF | METAL BEAM GUARD RAILING (STEEL POST W/ PLASTIC BLOCK) (501+) | 54.77 | |
| 50 79 00 00-0026 | LF | METAL BEAM GUARD RAILING (WOOD POST W/ WOOD BLOCK) (25-100) | 84.85 | |
| 50 79 00 00-0027 | LF | METAL BEAM GUARD RAILING (WOOD POST W/ WOOD BLOCK) (101-500) | 71.48 | |
| 50 79 00 00-0028 | LF | METAL BEAM GUARD RAILING (WOOD POST W/ WOOD BLOCK) (501+) | 54.77 | |
| 50 79 00 00-0029 | LF | METAL BEAM GUARD RAILING (STEEL POST W/ WOOD BLOCK) (25-100) | 84.85 | |
| 50 79 00 00-0030 | LF | METAL BEAM GUARD RAILING (STEEL POST W/ WOOD BLOCK) (101-500) | 71.48 | |
| 50 79 00 00-0031 | LF | METAL BEAM GUARD RAILING (STEEL POST W/ WOOD BLOCK) (501+) | 54.77 | |
| 50 79 00 00-0032 | LF | MIDWEST GUARDRAIL SYSTEM (STEEL POST W/ PLASTIC BLOCK) (25-100) | 84.04 | |
| 50 79 00 00-0033 | LF | MIDWEST GUARDRAIL SYSTEM (STEEL POST W/ PLASTIC BLOCK) (101-500) | 70.67 | |
| 50 79 00 00-0034 | LF | MIDWEST GUARDRAIL SYSTEM (STEEL POST W/ PLASTIC BLOCK) (501+) | 53.96 | |
| 50 79 00 00-0035 | LF | MIDWEST GUARDRAIL SYSTEM (WOOD POST W/ WOOD BLOCK) (25-100) | 82.41 | |
| 50 79 00 00-0036 | LF | MIDWEST GUARDRAIL SYSTEM (WOOD POST W/ WOOD BLOCK) (101-500) | 69.04 | |
| 50 79 00 00-0037 | LF | MIDWEST GUARDRAIL SYSTEM (WOOD POST W/ WOOD BLOCK) (501+) | 52.33 | |
| 50 79 00 00-0038 | LF | MIDWEST GUARDRAIL SYSTEM (STEEL POST W/ WOOD BLOCK) (25-100) | 84.04 | |
| 50 79 00 00-0039 | LF | MIDWEST GUARDRAIL SYSTEM (STEEL POST W/ WOOD BLOCK) (101-500) | 70.67 | |
| 50 79 00 00-0040 | LF | MIDWEST GUARDRAIL SYSTEM (STEEL POST W/ WOOD BLOCK) (501+) | 53.96 | |
| 50 79 00 00-0041 | EA | FLARED TERMINAL SYSTEM (TYPE MAX-TENSION MGS FOR WOOD OR STEEL POSTS TL-3) (1-5) | 7,631.89 | |
| 50 79 00 00-0042 | EA | FLARED TERMINAL SYSTEM (TYPE MAX-TENSION MGS FOR WOOD OR STEEL POSTS TL-3) (6-10) | 6,294.39 | |
| 50 79 00 00-0043 | EA | FLARED TERMINAL SYSTEM (TYPE MAX-TENSION MGS FOR WOOD OR STEEL POSTS TL-3) (11+) | 5,625.65 | |
| 50 79 00 00-0044 | EA | FLARED TERMINAL SYSTEM (TYPE MSFT-MGS FOR WOOD OR STEEL POSTS TL-3) (1-5) | 5,689.09 | |
| 50 79 00 00-0045 | EA | FLARED TERMINAL SYSTEM (TYPE MSFT-MGS FOR WOOD OR STEEL POSTS TL-3) (6-10) | 5,020.35 | |
| 50 79 00 00-0046 | EA | FLARED TERMINAL SYSTEM (TYPE MSFT-MGS FOR WOOD OR STEEL POSTS TL-3) (11+) | 4,685.98 | |
| 50 79 00 00-0047 | EA | FLARED TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-2) (1-5) | 7,875.89 | |
| 50 79 00 00-0048 | EA | FLARED TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-2) (6-10) | 6,538.39 | |
| 50 79 00 00-0049 | EA | FLARED TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-2) (11+) | 5,869.65 | |
| 50 79 00 00-0050 | EA | FLARED TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-3) (1-5) | 9,052.48 | |
| 50 79 00 00-0051 | EA | FLARED TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-3) (6-10) | 7,821.02 | |
| 50 79 00 00-0052 | EA | FLARED TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-3) (11+) | 6,500.81 | |
| 50 79 00 00-0053 | EA | IN LINE TERMINAL SYSTEM (TYPE MAX-TENSION MGS FOR WOOD OR STEEL POSTS TL-3) (1-5) | 7,631.89 | |
| 50 79 00 00-0054 | EA | IN LINE TERMINAL SYSTEM (TYPE MAX-TENSION MGS FOR WOOD OR STEEL POSTS TL-3) (6-10) | 6,294.39 | |
| 50 79 00 00-0055 | EA | IN LINE TERMINAL SYSTEM (TYPE MAX-TENSION MGS FOR WOOD OR STEEL POSTS TL-3) (11+) | 5,625.65 | |
| 50 79 00 00-0056 | EA | IN LINE TERMINAL SYSTEM (TYPE MSKT-MGS FOR WOOD OR STEEL POSTS TL-3) (1-5) | 7,631.89 | |
| 50 79 00 00-0057 | EA | IN LINE TERMINAL SYSTEM (TYPE MSKT-MGS FOR WOOD OR STEEL POSTS TL-3) (6-10) | 6,294.39 | |
| 50 79 00 00-0058 | EA | IN LINE TERMINAL SYSTEM (TYPE MSKT-MGS FOR WOOD OR STEEL POSTS TL-3) (11+) | 5,625.65 | |
| 50 79 00 00-0059 | EA | IN LINE TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-2) (1-5) | 7,875.89 | |
| 50 79 00 00-0060 | EA | IN LINE TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-2) (6-10) | 6,538.39 | |
| 50 79 00 00-0061 | EA | IN LINE TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-2) (11+) | 5,869.65 | |
| 50 79 00 00-0062 | EA | IN LINE TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-3) (1-5) | 9,052.48 | |
| 50 79 00 00-0063 | EA | IN LINE TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-3) (6-10) | 7,821.02 | |
| 50 79 00 00-0064 | EA | IN LINE TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-3) (11+) | 6,500.81 | |
| 50 79 00 00-0065 | EA | END ANCHOR ASSEMBLY (TYPE SFT) PER CALTRANS STD PLAN A77L3 (1-5) | 2,018.19 | |
| 50 79 00 00-0066 | EA | END ANCHOR ASSEMBLY (TYPE SFT) PER CALTRANS STD PLAN A77L3 (6-10) | 1,817.56 | |
| 50 79 00 00-0067 | EA | END ANCHOR ASSEMBLY (TYPE SFT) PER CALTRANS STD PLAN A77L3 (11+) | 1,683.80 | |
| 50 79 00 00-0068 | EA | MIDWEST GUARDRAIL SYSTEM END ANCHOR ASSEMBLY (TYPE SFT) PER CALTRANS STD PLAN A77S1 (1-5) | 2,095.14 | |
| 50 79 00 00-0069 | EA | MIDWEST GUARDRAIL SYSTEM END ANCHOR ASSEMBLY (TYPE SFT) PER CALTRANS STD PLAN A77S1 (6-10) | 1,760.77 | |
| 50 79 00 00-0070 | EA | MIDWEST GUARDRAIL SYSTEM END ANCHOR ASSEMBLY (TYPE SFT) PER CALTRANS STD PLAN A77S1 (11+) | 1,560.14 | |
| 50 79 00 00-0071 | EA | MIDWEST GUARDRAIL SYSTEM BURIED POST END ANCHOR PER CALTRANS STD PLAN A77T2 (1-5) | 3,179.26 | |
| 50 79 00 00-0072 | EA | MIDWEST GUARDRAIL SYSTEM BURIED POST END ANCHOR PER CALTRANS STD PLAN A77T2 (6-10) | 2,510.52 | |
| 50 79 00 00-0073 | EA | MIDWEST GUARDRAIL SYSTEM BURIED POST END ANCHOR PER CALTRANS STD PLAN A77T2 (11+) | 2,109.27 | |
| 50 79 00 00-0074 | EA | RAILING DELINEATION PER CALTRANS STD PLAN A77N4) (1-50) | 56.33 | |
| 50 79 00 00-0075 | EA | RAILING DELINEATION PER CALTRANS STD PLAN A77N4) (51-300) | 47.31 | |
| 50 79 00 00-0076 | EA | RAILING DELINEATION PER CALTRANS STD PLAN A77N4) (301+) | 39.42 | |
| 50 79 00 00-0077 | EA | TRANSITION RAILING (TYPE WB-31 PER CALTRANS STD PLAN A77U4) (1-5) | 7,679.65 | |
| 50 79 00 00-0078 | EA | TRANSITION RAILING (TYPE WB-31 PER CALTRANS STD PLAN A77U4) (6-10) | 6,060.27 | |
| 50 79 00 00-0079 | EA | TRANSITION RAILING (TYPE WB-31 PER CALTRANS STD PLAN A77U4) (11+) | 5,736.39 | |
| 50 79 00 00-0080 | EA | CRASH CUSHION (TYPE SCI-100GM, TL-3) (EA) | 78,786.50 | |
| 50 79 00 00-0081 | EA | CRASH CUSHION (TYPE QUADGUARD M10, TL-3) (EA) | 91,720.03 | |
| 50 79 00 00-0082 | EA | END CAP (PER CALTRANS STD PLAN A77M1) (1-5) | 212.97 | |
| 50 79 00 00-0083 | EA | END CAP (PER CALTRANS STD PLAN A77M1) (6-10) | 212.97 | |
| 50 79 00 00-0084 | EA | END CAP (PER CALTRANS STD PLAN A77M1) (11+) | 212.97 | |

## 50 89 CALTRANs Custom Standards And Assemblies *(50)*

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

Note: Use as directed by owner only.

# 50 89 80 CALTRANs Construction Performance Requirements *(50 89)*

Note: Refer to www.dot.ca.gov for CALTRANs Standard Plans and Specifications

## 50 89 81 CALTRANS DIVISION I - GENERAL PROVISIONS *(50 89 80)*

### 50 89 81 01 PAYMENT *(50 89 81)*

Note: Includes equipment mobilization, hauling over 25 miles, overtime, specialty labor, speciality equipment, reimbursables and permits per CALTRAN Standard. See CSI section 01 22 16 00-0001 for Reimbursable fees and permits, 01 22 20 00-0000 for specialty labor, 01 22 23 00-0000 for speacility equipment, 01 71 13 00-0000 for equipment mobilization, 01 74 19 00-0041 for hauling >25 miles.

| | | | |
|---|---|---|---|
| 50 89 81 01-0001 | EA | CALTRANS 999990 MOBILIZATION | 0.00 |
| | | Note: (One Time Per Job) See CSI section 01 71 13 00-0000 for mobilization of equipment. | |

## 50 89 82 CALTRANS DIVISION II - GENERAL CONSTRUCTION *(50 89 80)*

### 50 89 82 12 TEMPORARY TRAFFIC CONTROL *(50 89 82)*

Note: Includes flagging, apparel, temporary traffic control devices, and equipment for flaggers, must comply with the latest California MUTCD per CALTRANS Standard.

| | | | |
|---|---|---|---|
| 50 89 82 12-0001 | EA | CALTRANS 120110 FLASHING ARROW SIGN | 1,751.44 |
| 50 89 82 12-0002 | EA | CALTRANS 120116 TYPE II BARRICADE | 46.29 |
| 50 89 82 12-0003 | EA | CALTRANS 120119 TRAFFIC CONE | 13.15 |
| 50 89 82 12-0004 | EA | CALTRANS 120120 TYPE III BARRICADE | 89.61 |
| 50 89 82 12-0005 | EA | CALTRANS 120140 BARRICADE (LEFT IN PLACE) | 80.71 |
| 50 89 82 12-0006 | SF | CALTRANS 120149 TEMPORARY PAVEMENT MARKING (PAINT) | 3.14 |
| 50 89 82 12-0007 | LF | CALTRANS 120151 TEMPORARY TRAFFIC STRIPE (TAPE) | 5.59 |
| 50 89 82 12-0008 | SF | CALTRANS 120152 TEMPORARY PAVEMENT MARKING (TAPE) | 13.75 |
| 50 89 82 12-0009 | LF | CALTRANS 120159 TEMPORARY TRAFFIC STRIPE (PAINT) | 0.68 |
| 50 89 82 12-0010 | EA | CALTRANS 120165 CHANNELIZER (SURFACE MOUNTED) | 33.04 |
| 50 89 82 12-0011 | EA | CALTRANS 120166 CHANNELIZER (SURFACE MOUNTED) (LEFT IN PLACE) | 72.53 |
| 50 89 82 12-0012 | EA | CALTRANS 120182 PORTABLE DELINEATOR | 25.74 |
| 50 89 82 12-0013 | EA | CALTRANS 120198 PLASTIC TRAFFIC DRUMS | 39.21 |
| 50 89 82 12-0014 | EA | CALTRANS 120200 FLASHING BEACON (PORTABLE) | 47.48 |
| 50 89 82 12-0015 | EA | CALTRANS 120300 TEMPORARY PAVEMENT MARKER | 3.23 |
| 50 89 82 12-0016 | MO | CALTRANS 128651 PORTABLE CHANGEABLE MESSAGE SIGN (EA) | 2,993.19 |
| 50 89 82 12-0017 | MO | CALTRANS 129100 TEMPORARY CRASH CUSHION MODULE | 718.63 |

### 50 89 82 13 WATER POLLUTION CONTROL *(50 89 82)*

Note: Includes preventing, controlling, and abating water pollution within waters of the State per CALTRANS Standard.

| | | | |
|---|---|---|---|
| 50 89 82 13-0001 | EA | CALTRANS 130310 RAIN EVENT ACTION PLAN | 568.32 |
| 50 89 82 13-0002 | EA | CALTRANS 130320 STORM WATER SAMPLING AND ANALYSIS DAY | 532.93 |
| 50 89 82 13-0003 | EA | CALTRANS 130330 STORM WATER ANNUAL REPORT | 2,255.36 |
| 50 89 82 13-0004 | SY | CALTRANS 130500 TEMPORARY EROSION CONTROL BLANKET | 6.08 |
| 50 89 82 13-0005 | EA | CALTRANS 130505 MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL) | 1,019.65 |
| 50 89 82 13-0006 | SY | CALTRANS 130510 TEMPORARY MULCH | 5.35 |
| 50 89 82 13-0007 | SY | CALTRANS 130520 TEMPORARY HYDRAULIC MULCH | 0.94 |
| 50 89 82 13-0008 | SY | CALTRANS 130530 TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX) | 0.47 |
| 50 89 82 13-0009 | SY | CALTRANS 130535 TEMPORARY HYDRAULIC MULCH (CEMENTITIOUS BINDER) | 13.93 |
| 50 89 82 13-0010 | SY | CALTRANS 130540 TEMPORARY TACKED STRAW | 0.33 |
| 50 89 82 13-0011 | SY | CALTRANS 130550 TEMPORARY HYDROSEED | 0.94 |
| 50 89 82 13-0012 | SY | CALTRANS 130560 TEMPORARY SOIL BINDER | 0.56 |
| 50 89 82 13-0013 | SY | CALTRANS 130570 TEMPORARY COVER | 8.82 |
| 50 89 82 13-0014 | EA | CALTRANS 130620 TEMPORARY DRAINAGE INLET PROTECTION | 95.17 |
| 50 89 82 13-0015 | LF | CALTRANS 130640 TEMPORARY FIBER ROLL | 9.46 |
| | | Note: 12" Diameter, Type 1 | |
| | | *For >1,000 To 10,000, Deduct* | *-1.05* |
| | | *For >10,000, Deduct* | *-1.78* |
| | | *For 9" Diameter, Deduct* | *-1.19* |
| 50 89 82 13-0016 | LF | CALTRANS 130640 TEMPORARY FIBER ROLL | 7.45 |
| | | Note: 12" Diameter, Type 2 | |
| | | *For >1,000 To 10,000, Deduct* | *-0.75* |
| | | *For >10,000, Deduct* | *-1.28* |
| | | *For 9" Diameter, Deduct* | *-1.19* |
| 50 89 82 13-0017 | LF | CALTRANS 130650 TEMPORARY GRAVEL BAG BERM | 15.15 |
| 50 89 82 13-0018 | LF | CALTRANS 130670 TEMPORARY REINFORCED SILT FENCE | 10.87 |
| 50 89 82 13-0019 | LF | CALTRANS 130680 TEMPORARY SILT FENCE | 3.26 |
| 50 89 82 13-0020 | LF | CALTRANS 130690 TEMPORARY STRAW BALE BARRIER | 4.87 |
| 50 89 82 13-0021 | EA | CALTRANS 130710 TEMPORARY CONSTRUCTION ENTRANCE | 1,588.34 |
| 50 89 82 13-0022 | SY | CALTRANS 130720 TEMPORARY CONSTRUCTION ROADWAY | 38.81 |
| 50 89 82 13-0023 | EA | CALTRANS 131103 WATER QUALITY SAMPLING AND ANALYSIS DAY | 532.93 |
| 50 89 82 13-0024 | EA | CALTRANS 131104 WATER QUALITY MONITORING REPORT | 780.80 |
| 50 89 82 13-0025 | EA | CALTRANS 131105 WATER QUALITY ANNUAL REPORT | 837.76 |

## 50 89 83 CALTRANS DIVISION III - GRADING *(50 89 80)*


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| **50 89 83 17** | | **GENERAL** *(50 89 83)* | | |
| | | Note: Includes clear all construction areas above original ground of (1) all vegetation such as trees, logs, upturned stumps, roots of downed trees, brush, grass, and weeds and (2) other objectionable material including concrete, masonry, and debris. Grub all construction areas to a depth necessary to remove all trees, existing stumps, roots, buried logs, and other objectionable material, except embankment areas where the grading plane is 2 feet or more above original ground per CALTRAN Standard. | | |
| 50 89 83 17-0001 | ACR | CALTRANS 170105 CLEARING AND GRUBBING (ACRE) | 14,254.41 | |
| | | Note: Includes grub and removal of stump. In embankment areas where the grading plane is 2 feet or more above original ground, cut off trees, stumps, and roots not more than 1 foot above original ground, except remove trees, stumps, and roots completely where work includes any of the following: 1. Structure construction, 2. Pile construction, 3. Subdrainage trench excavation, 4. Removal of unsuitable material, 5. Cutting into slopes of original hillsides, old or new fill | | |
| **50 89 83 19** | | **EARTHWORK** *(50 89 83)* | | |
| | | Note: Includes earthwork activities includes removal of unsuitable material or a buried man-made object if the removal is described. Excavate and dispose of unsuitable material encountered below the natural ground surface in embankment areas or below the grading plane in excavation areas. Backfill the space resulting from excavating unsuitable material with material suitable for the planned use. Place and compact suitable material. Remove and dispose of a buried man-made object encountered in an excavation as part of the excavation work. Roadway excavation consists of all excavation involved in the grading and construction of the roadway except structure excavation per CALTRAN Standard. | | |
| 50 89 83 19-0001 | CY | CALTRANS 190101 ROADWAY EXCAVATION | 22.17 | |
| | | *For >1,000, Deduct* | *-3.33* | |
| 50 89 83 19-0002 | CY | CALTRANS 190161 ROCK EXCAVATION | 36.87 | |
| 50 89 83 19-0003 | TON | CALTRANS 190185 SHOULDER BACKING | 123.92 | |
| 50 89 83 19-0004 | CY | CALTRANS 192037 STRUCTURE EXCAVATION (RETAINING WALL) | 62.32 | 841.66 |
| 50 89 83 19-0005 | CY | CALTRANS 192049 STRUCTURE EXCAVATION (SOLDIER PILE WALL) | 90.55 | 284.66 |
| 50 89 83 19-0006 | CY | CALTRANS 192502 SAND BEDDING | 37.85 | |
| | | *For Up To 8, Add* | *7.57* | |
| | | *For >8 To 16, Add* | *3.79* | |
| | | *For >48 To 64, Deduct* | *-2.72* | |
| | | *For >64 To 96, Deduct* | *-4.61* | |
| | | *For >96, Deduct* | *-6.51* | |
| 50 89 83 19-0007 | CY | CALTRANS 193013 STRUCTURE BACKFILL (RETAINING WALL) | 62.32 | 841.66 |
| 50 89 83 19-0008 | CY | CALTRANS 193118 CONCRETE BACKFILL | 257.48 | |
| 50 89 83 19-0009 | CY | CALTRANS 198010 IMPORTED BORROW (CY) | 46.65 | |
| 50 89 83 19-0010 | TON | CALTRANS 198011 IMPORTED BORROW (TON) | 65.31 | |
| 50 89 83 19-0011 | SY | CALTRANS 198206 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A1 | 6.09 | |
| | | *For Up To 50, Add* | *1.28* | |
| | | *For >50 To 150, Add* | *0.95* | |
| | | *For >150 To 250, Add* | *0.63* | |
| | | *For >250 To 500, Add* | *0.31* | |
| 50 89 83 19-0012 | SY | CALTRANS 198207 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A2 | 2.52 | |
| | | *For Up To 50, Add* | *0.55* | |
| | | *For >50 To 150, Add* | *0.41* | |
| | | *For >150 To 250, Add* | *0.27* | |
| | | *For >250 To 500, Add* | *0.13* | |
| 50 89 83 19-0013 | SY | CALTRANS 198208 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B1 | 7.09 | |
| | | *For Up To 50, Add* | *1.48* | |
| | | *For >50 To 150, Add* | *1.10* | |
| | | *For >150 To 250, Add* | *0.73* | |
| | | *For >250 To 500, Add* | *0.36* | |
| 50 89 83 19-0014 | SY | CALTRANS 198209 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2 | 3.45 | |
| | | *For Up To 50, Add* | *0.74* | |
| | | *For >50 To 150, Add* | *0.55* | |
| | | *For >150 To 250, Add* | *0.36* | |
| | | *For >250 To 500, Add* | *0.18* | |
| 50 89 83 19-0015 | SY | CALTRANS 198210 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B3 | 3.25 | |
| | | *For Up To 50, Add* | *0.71* | |
| | | *For >50 To 150, Add* | *0.53* | |
| | | *For >150 To 250, Add* | *0.35* | |
| | | *For >250 To 500, Add* | *0.17* | |
| 50 89 83 19-0016 | SY | CALTRANS 198215 SUBGRADE ENHANCEMENT GEOGRID | 5.46 | |
| | | *For Up To 50, Add* | *1.22* | |
| | | *For >50 To 150, Add* | *0.90* | |
| | | *For >150 To 250, Add* | *0.59* | |
| | | *For >250 To 500, Add* | *0.29* | |
| 50 89 83 19-0017 | SY | CALTRANS 198250 GEOSYNTHETIC REINFORCEMENT | 2.39 | |
| **50 89 83 20** | | **LANDSCAPE** *(50 89 83)* | | |
| | | Note: Includes materials and placement per CALTRAN Standard. Underground pipe includes pipe, fittings, trenching, backfill and compaction. Aboveground pipe include pipe, fittings and supports. | | |
| 50 89 83 20-0001 | SF | CALTRANS 200114 ROCK BLANKET | 15.52 | |
| | | *For >5,000, Deduct* | *-2.07* | |
| 50 89 83 20-0002 | SY | CALTRANS 200122 WEED GERMINATION | 0.74 | |
| 50 89 83 20-0003 | SY | CALTRANS 200123 CULTIVATION | 3.27 | |
| 50 89 83 20-0004 | LB | CALTRANS 202004 IRON SULFATE (LB) | 8.19 | |
| 50 89 83 20-0005 | CY | CALTRANS 202006 SOIL AMENDMENT | 129.48 | |
| 50 89 83 20-0006 | EA | CALTRANS 202026 RELOCATE BACKFLOW PREVENTER ASSEMBLY | 1,077.90 | |
| 50 89 83 20-0007 | EA | CALTRANS 202027 RELOCATE WATER METER | 1,077.90 | |
| 50 89 83 20-0008 | EA | CALTRANS 202028 RELOCATE IRRIGATION CONTROLLER | 1,593.70 | |
| 50 89 83 20-0009 | LB | CALTRANS 202037 ORGANIC FERTILIZER | 8.31 | |
| 50 89 83 20-0010 | EA | CALTRANS 202038 PACKET FERTILIZER | 1.30 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 83 20-0011 | LB | CALTRANS 202039 SLOW-RELEASE FERTILIZER | 3.87 | |
| 50 89 83 20-0012 | EA | CALTRANS 204003 PLANT (GROUP C) (6' To 8' B&B) | 493.54 | |
| 50 89 83 20-0013 | EA | CALTRANS 204003 PLANT (GROUP C) (10' To 14' B&B) | 907.62 | |
| 50 89 83 20-0014 | EA | CALTRANS 204003 PLANT (GROUP C) (16' To 20' B&B) | 1,401.53 | |
| 50 89 83 20-0015 | EA | CALTRANS 204003 PLANT (GROUP C) (22' To 26' B&B) | 2,174.53 | |
| 50 89 83 20-0016 | EA | CALTRANS 204005 PLANT (GROUP E) | 4.63 | |
| | | *For >100 To 1,000, Deduct* | *-0.26* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.41* | |
| | | *For >5,000, Deduct* | *-0.53* | |
| 50 89 83 20-0017 | EA | CALTRANS 204006 PLANT (GROUP F) | 2.57 | |
| | | *For >100 To 1,000, Deduct* | *-0.17* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.27* | |
| | | *For >5,000, Deduct* | *-0.33* | |
| 50 89 83 20-0018 | EA | CALTRANS 204008 PLANT (GROUP H) | 7.47 | |
| | | *For >10 To 100, Deduct* | *-0.75* | |
| | | *For >100 To 1,000, Deduct* | *-1.68* | |
| | | *For >1,000 To 10,000, Deduct* | *-2.61* | |
| | | *For >10,000 To 25,000, Deduct* | *-3.74* | |
| | | *For >25,000, Deduct* | *-5.23* | |
| 50 89 83 20-0019 | EA | CALTRANS 204009 PLANT (GROUP I) | 27.08 | |
| | | *For >100 To 1,000, Deduct* | *-1.85* | |
| | | *For >1,000 To 5,000, Deduct* | *-3.03* | |
| | | *For >5,000, Deduct* | *-3.70* | |
| 50 89 83 20-0020 | EA | CALTRANS 204011 PLANT (GROUP K) | 664.46 | |
| 50 89 83 20-0021 | EA | CALTRANS 204013 PLANT (GROUP M) | 8.76 | |
| | | *For >100 To 1,000, Deduct* | *-0.51* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.81* | |
| | | *For >5,000, Deduct* | *-1.03* | |
| 50 89 83 20-0022 | EA | CALTRANS 204015 PLANT (GROUP S) | 9.91 | |
| | | *For >100 To 1,000, Deduct* | *-0.63* | |
| | | *For >1,000 To 5,000, Deduct* | *-1.01* | |
| | | *For >5,000, Deduct* | *-1.26* | |
| 50 89 83 20-0023 | EA | CALTRANS 204020 PLANT (GROUP P) | 8.26 | |
| | | *For >100 To 1,000, Deduct* | *-0.48* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.74* | |
| | | *For >5,000, Deduct* | *-0.95* | |
| 50 89 83 20-0024 | EA | CALTRANS 204030 TRANSPLANT TREE | 4,335.30 | |
| | | *For >5 To 10, Deduct* | *-216.77* | |
| | | *For >10 To 20, Deduct* | *-433.53* | |
| | | *For >20, Deduct* | *-650.30* | |
| 50 89 83 20-0025 | EA | CALTRANS 204035 PLANT (GROUP A) | 36.46 | |
| 50 89 83 20-0026 | EA | CALTRANS 204036 PLANT (GROUP B) | 92.51 | |
| 50 89 83 20-0027 | EA | CALTRANS 204038 PLANT (GROUP U) | 241.21 | |
| 50 89 83 20-0028 | SY | CALTRANS 204045 SOD | 21.06 | |
| 50 89 83 20-0029 | SF | CALTRANS 205033 GRAVEL MULCH | 1.39 | |
| 50 89 83 20-0030 | SF | CALTRANS 205034 DECOMPOSED GRANITE | 1.70 | |
| 50 89 83 20-0031 | CY | CALTRANS 205035 WOOD MULCH | 107.89 | |
| | | *For >5 To 20, Deduct* | *-9.29* | |
| | | *For >20 To 50, Deduct* | *-13.94* | |
| | | *For >50, Deduct* | *-19.33* | |
| 50 89 83 20-0032 | EA | CALTRANS 205051 FOLIAGE PROTECTOR | 44.45 | |
| 50 89 83 20-0033 | EA | CALTRANS 205052 ROOT PROTECTOR | 31.67 | |
| 50 89 83 20-0034 | LF | CALTRANS 205062 ROOT BARRIER | 13.86 | |
| 50 89 83 20-0035 | LF | CALTRANS 206005 EDGING | 18.76 | |
| 50 89 83 20-0036 | EA | CALTRANS 206561 3/4" REMOTE CONTROL VALVE | 421.63 | |
| 50 89 83 20-0037 | EA | CALTRANS 206562 1" REMOTE CONTROL VALVE | 691.85 | |
| 50 89 83 20-0038 | EA | CALTRANS 206563 1 1/4" REMOTE CONTROL VALVE | 768.91 | |
| 50 89 83 20-0039 | EA | CALTRANS 206564 1 1/2" REMOTE CONTROL VALVE | 852.58 | |
| 50 89 83 20-0040 | EA | CALTRANS 206565 2" REMOTE CONTROL VALVE | 962.73 | |
| 50 89 83 20-0041 | EA | CALTRANS 206566 2 1/2" REMOTE CONTROL VALVE | 1,568.81 | |
| 50 89 83 20-0042 | EA | CALTRANS 206567 3" REMOTE CONTROL VALVE | 2,174.88 | |
| 50 89 83 20-0043 | EA | CALTRANS 206571 REMOTE CONTROL VALVE WITH PRESSURE REGULATOR | 1,083.52 | |
| 50 89 83 20-0044 | EA | CALTRANS 206630 3/4" WYE STRAINER ASSEMBLY | 348.93 | |
| 50 89 83 20-0045 | EA | CALTRANS 206631 1" WYE STRAINER ASSEMBLY | 378.60 | |
| 50 89 83 20-0046 | EA | CALTRANS 206632 1 1/4" WYE STRAINER ASSEMBLY | 422.20 | |
| 50 89 83 20-0047 | EA | CALTRANS 206633 1 1/2" WYE STRAINER ASSEMBLY | 448.65 | |
| 50 89 83 20-0048 | EA | CALTRANS 206634 2" WYE STRAINER ASSEMBLY | 536.25 | |
| 50 89 83 20-0049 | EA | CALTRANS 206635 2-1/2" WYE STRAINER ASSEMBLY | 818.70 | |
| 50 89 83 20-0050 | EA | CALTRANS 206636 3" WYE STRAINER ASSEMBLY | 983.36 | |
| 50 89 83 20-0051 | EA | CALTRANS 206747 4 STATION IRRIGATION CONTROLLER (WALL MOUNTED) | 1,063.83 | |
| 50 89 83 20-0052 | EA | CALTRANS 206749 8 STATION IRRIGATION CONTROLLER (WALL MOUNTED) | 1,469.62 | |
| 50 89 83 20-0053 | EA | CALTRANS 206751 12 STATION IRRIGATION CONTROLLER (WALL MOUNTED) | 1,944.34 | |
| 50 89 83 20-0054 | EA | CALTRANS 206757 16-18 STATION IRRIGATION CONTROLLER (WALL MOUNTED) | 2,482.60 | |
| 50 89 83 20-0055 | EA | CALTRANS 206758 24-32 STATION IRRIGATION CONTROLLER (WALL MOUNTED) | 3,308.50 | |
| 50 89 83 20-0056 | EA | CALTRANS 206759 30-42 STATION IRRIGATION CONTROLLER (WALL MOUNTED) | 4,130.40 | |
| 50 89 83 20-0057 | LF | CALTRANS 207050 1/2" COPPER PIPE (SUPPLY LINE) | 11.68 | |
| | | *For >1,000, Deduct* | *-0.58* | |
| 50 89 83 20-0058 | LF | CALTRANS 207051 3/4" COPPER PIPE (SUPPLY LINE) | 15.92 | |
| | | *For >1,000, Deduct* | *-0.80* | |
| 50 89 83 20-0059 | LF | CALTRANS 207052 1" COPPER PIPE (SUPPLY LINE) | 19.75 | |
| | | *For >1,000, Deduct* | *-0.99* | |
| 50 89 83 20-0060 | LF | CALTRANS 207053 1 1/4" COPPER PIPE (SUPPLY LINE) | 25.19 | |
| | | *For >1,000, Deduct* | *-1.26* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 83 20-0061 | LF | CALTRANS 207054 1 1/2" COPPER PIPE (SUPPLY LINE) | 30.55 | |
| | | *For >1,000, Deduct* | *-1.53* | |
| 50 89 83 20-0062 | LF | CALTRANS 207055 2" COPPER PIPE (SUPPLY LINE) | 42.28 | |
| | | *For >1,000, Deduct* | *-2.11* | |
| 50 89 83 20-0063 | LF | CALTRANS 207056 3" COPPER PIPE (SUPPLY LINE) | 81.37 | |
| | | *For >1,000, Deduct* | *-4.07* | |
| 50 89 83 20-0064 | LF | CALTRANS 207057 4" COPPER PIPE (SUPPLY LINE) | 130.61 | |
| | | *For >1,000, Deduct* | *-6.53* | |
| 50 89 83 20-0065 | LF | CALTRANS 207058 2 1/2" COPPER PIPE (SUPPLY LINE) | 56.20 | |
| | | *For >1,000, Deduct* | *-2.81* | |
| 50 89 83 20-0066 | LF | CALTRANS 208001 1/2" GALVANIZED PIPE (SUPPLY LINE) | 13.43 | |
| | | *For >1,000, Deduct* | *-0.67* | |
| 50 89 83 20-0067 | LF | CALTRANS 208002 3/4" GALVANIZED PIPE (SUPPLY LINE) | 15.57 | |
| | | *For >1,000, Deduct* | *-0.78* | |
| 50 89 83 20-0068 | LF | CALTRANS 208003 1" GALVANIZED PIPE (SUPPLY LINE) | 18.73 | |
| | | *For >1,000, Deduct* | *-0.94* | |
| 50 89 83 20-0069 | LF | CALTRANS 208004 1 1/4" GALVANIZED PIPE (SUPPLY LINE) | 22.37 | |
| | | *For >1,000, Deduct* | *-1.12* | |
| 50 89 83 20-0070 | LF | CALTRANS 208005 1 1/2" GALVANIZED PIPE (SUPPLY LINE) | 26.06 | |
| | | *For >1,000, Deduct* | *-1.30* | |
| 50 89 83 20-0071 | LF | CALTRANS 208006 2" GALVANIZED PIPE (SUPPLY LINE) | 33.06 | |
| | | *For >1,000, Deduct* | *-1.65* | |
| 50 89 83 20-0072 | LF | CALTRANS 208007 2 1/2" GALVANIZED PIPE (SUPPLY LINE) | 49.51 | |
| | | *For >1,000, Deduct* | *-2.48* | |
| 50 89 83 20-0073 | LF | CALTRANS 208008 3" GALVANIZED PIPE (SUPPLY LINE) | 68.42 | |
| | | *For >1,000, Deduct* | *-3.42* | |
| 50 89 83 20-0074 | LF | CALTRANS 208009 4" GALVANIZED PIPE (SUPPLY LINE) | 99.81 | |
| | | *For >1,000, Deduct* | *-4.99* | |
| 50 89 83 20-0075 | LF | CALTRANS 208026 2" SUPPLY LINE (BRIDGE) | 55.06 | |
| 50 89 83 20-0076 | LF | CALTRANS 208027 2 1/2" SUPPLY LINE (BRIDGE) | 69.02 | |
| 50 89 83 20-0077 | LF | CALTRANS 208028 3" SUPPLY LINE (BRIDGE) | 85.42 | |
| 50 89 83 20-0078 | LF | CALTRANS 208029 4" SUPPLY LINE (BRIDGE) | 124.66 | |
| 50 89 83 20-0079 | LF | CALTRANS 208030 6" SUPPLY LINE (BRIDGE) | 313.14 | |
| 50 89 83 20-0080 | LF | CALTRANS 208033 8" SUPPLY LINE (BRIDGE) | 655.79 | |
| 50 89 83 20-0081 | LF | CALTRANS 208042 2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE) | 39.62 | |
| 50 89 83 20-0082 | LF | CALTRANS 208043 2 1/2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE) | 56.79 | |
| 50 89 83 20-0083 | LF | CALTRANS 208044 3" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE) | 70.84 | |
| 50 89 83 20-0084 | LF | CALTRANS 208046 4" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE) | 104.27 | |
| 50 89 83 20-0085 | LF | CALTRANS 208220 1/2" DRIP IRRIGATION TUBING | 2.53 | |
| 50 89 83 20-0086 | LF | CALTRANS 208221 3/4" DRIP IRRIGATION TUBING | 2.72 | |
| 50 89 83 20-0087 | EA | CALTRANS 208301 IRRIGATION CONTROLLER ENCLOSURE CABINET | 4,091.03 | |
| 50 89 83 20-0088 | EA | CALTRANS 208422 3/4" BACKFLOW PREVENTER ASSEMBLY | 2,154.69 | |
| 50 89 83 20-0089 | EA | CALTRANS 208423 1" BACKFLOW PREVENTER ASSEMBLY | 2,281.67 | |
| 50 89 83 20-0090 | EA | CALTRANS 208424 1 1/4" BACKFLOW PREVENTER ASSEMBLY | 3,010.11 | |
| 50 89 83 20-0091 | EA | CALTRANS 208425 1 1/2" BACKFLOW PREVENTER ASSEMBLY | 3,290.20 | |
| 50 89 83 20-0092 | EA | CALTRANS 208426 2" BACKFLOW PREVENTER ASSEMBLY | 4,363.26 | |
| 50 89 83 20-0093 | EA | CALTRANS 208427 2 1/2" BACKFLOW PREVENTER ASSEMBLY | 9,934.81 | |
| 50 89 83 20-0094 | EA | CALTRANS 208428 3" BACKFLOW PREVENTER ASSEMBLY | 11,522.70 | |
| 50 89 83 20-0095 | EA | CALTRANS 208429 4" BACKFLOW PREVENTER ASSEMBLY | 12,489.41 | |
| 50 89 83 20-0096 | EA | CALTRANS 208440 BACKFLOW PREVENTER ENCLOSURE | 2,996.82 | |
| 50 89 83 20-0097 | EA | CALTRANS 208442 FLOW SENSOR | 1,777.60 | |
| 50 89 83 20-0098 | EA | CALTRANS 208447 POP-UP SPRINKLER ASSEMBLY (GEAR DRIVEN) | 102.54 | 12.93 |
| 50 89 83 20-0099 | EA | CALTRANS 208448 RISER SPRINKLER ASSEMBLY | 60.67 | 12.93 |
| 50 89 83 20-0100 | EA | CALTRANS 208449 POP-UP SPRINKLER ASSEMBLY | 59.46 | 12.93 |
| 50 89 83 20-0101 | EA | CALTRANS 208562 CAM COUPLER ASSEMBLY | 452.53 | |
| 50 89 83 20-0102 | EA | CALTRANS 208569 1/2" GATE VALVE | 315.13 | |
| 50 89 83 20-0103 | EA | CALTRANS 208570 3/4" GATE VALVE | 334.48 | |
| 50 89 83 20-0104 | EA | CALTRANS 208572 1" GATE VALVE | 365.43 | |
| 50 89 83 20-0105 | EA | CALTRANS 208573 1 1/4" GATE VALVE | 402.85 | |
| 50 89 83 20-0106 | EA | CALTRANS 208574 1 1/2" GATE VALVE | 429.89 | |
| 50 89 83 20-0107 | EA | CALTRANS 208575 2" GATE VALVE | 489.61 | |
| 50 89 83 20-0108 | EA | CALTRANS 208576 2 1/2" GATE VALVE | 798.54 | |
| 50 89 83 20-0109 | EA | CALTRANS 208588 3" GATE VALVE | 1,419.11 | |
| 50 89 83 20-0110 | EA | CALTRANS 208589 4" GATE VALVE | 1,892.49 | |
| 50 89 83 20-0111 | EA | CALTRANS 208590 6" GATE VALVE | 2,747.26 | |
| 50 89 83 20-0112 | EA | CALTRANS 208591 8" GATE VALVE | 4,208.14 | |
| 50 89 83 20-0113 | LF | CALTRANS 208593 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 6.46 | |
| | | *For >1,000, Deduct* | *-0.32* | |
| | | *For Schedule 80, Add* | *0.19* | |
| 50 89 83 20-0114 | LF | CALTRANS 208594 3/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 6.65 | |
| | | *For >1,000, Deduct* | *-0.33* | |
| | | *For Schedule 80, Add* | *0.24* | |
| 50 89 83 20-0115 | LF | CALTRANS 208595 1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 7.52 | |
| | | *For >1,000, Deduct* | *-0.38* | |
| | | *For Schedule 80, Add* | *0.38* | |
| 50 89 83 20-0116 | LF | CALTRANS 208596 1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 8.88 | |
| | | *For >1,000, Deduct* | *-0.44* | |
| | | *For Schedule 80, Add* | *0.57* | |
| 50 89 83 20-0117 | LF | CALTRANS 208597 1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 9.12 | |
| | | *For >1,000, Deduct* | *-0.46* | |
| | | *For Schedule 80, Add* | *0.77* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 83 20-0118 | LF | CALTRANS 208598 2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 10.77 | |
| | | *For >1,000, Deduct* | *-0.54* | |
| | | *For Schedule 80, Add* | *1.29* | |
| 50 89 83 20-0119 | LF | CALTRANS 208599 2 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 13.10 | |
| | | *For >1,000, Deduct* | *-0.66* | |
| | | *For Schedule 80, Add* | *1.68* | |
| 50 89 83 20-0120 | LF | CALTRANS 208600 3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 16.94 | |
| | | *For >1,000, Deduct* | *-0.85* | |
| | | *For Schedule 80, Add* | *2.35* | |
| 50 89 83 20-0121 | LF | CALTRANS 208601 4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 21.39 | |
| | | *For >1,000, Deduct* | *-1.07* | |
| | | *For Schedule 80, Add* | *3.59* | |
| 50 89 83 20-0122 | LF | CALTRANS 208602 6" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 29.69 | |
| | | *For >1,000, Deduct* | *-1.48* | |
| | | *For Schedule 80, Add* | *8.00* | |
| 50 89 83 20-0123 | LF | CALTRANS 208603 8" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 36.49 | |
| | | *For >1,000, Deduct* | *-1.82* | |
| | | *For Schedule 80, Add* | *12.26* | |
| 50 89 83 20-0124 | LF | CALTRANS 208604 10" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE) | 77.59 | |
| | | *For >1,000, Deduct* | *-3.88* | |
| | | *For Schedule 80, Add* | *38.12* | |
| 50 89 83 20-0125 | LF | CALTRANS 208605 2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE) | 11.44 | |
| | | *For >1,000, Deduct* | *-0.57* | |
| 50 89 83 20-0126 | LF | CALTRANS 208606 2 1/2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE) | 14.19 | |
| | | *For >1,000, Deduct* | *-0.71* | |
| 50 89 83 20-0127 | LF | CALTRANS 208607 3" PLASTIC PIPE (CLASS 315) (SUPPLY LINE) | 16.94 | |
| | | *For >1,000, Deduct* | *-0.85* | |
| 50 89 83 20-0128 | LF | CALTRANS 208608 4" PLASTIC PIPE (CLASS 315) (SUPPLY LINE) | 21.39 | |
| | | *For >1,000, Deduct* | *-1.07* | |
| 50 89 83 20-0129 | LF | CALTRANS 208609 6" PLASTIC PIPE (CLASS 315) (SUPPLY LINE) | 30.18 | |
| | | *For >1,000, Deduct* | *-1.51* | |
| 50 89 83 20-0130 | EA | CALTRANS 208631 3/4" PRESSURE RELIEF VALVE | 925.34 | |
| 50 89 83 20-0131 | EA | CALTRANS 208632 1 1/2" PRESSURE RELIEF VALVE | 1,347.97 | |
| 50 89 83 20-0132 | EA | CALTRANS 208633 1" PRESSURE RELIEF VALVE | 1,092.93 | |
| 50 89 83 20-0133 | EA | CALTRANS 208634 2" PRESSURE RELIEF VALVE | 1,520.53 | |
| 50 89 83 20-0134 | EA | CALTRANS 208640 PRESSURE REGULATING VALVE (3/4") | 291.91 | |
| 50 89 83 20-0135 | EA | CALTRANS 208640 PRESSURE REGULATING VALVE (1") | 385.18 | |
| 50 89 83 20-0136 | EA | CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/4") | 662.74 | |
| 50 89 83 20-0137 | EA | CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/2") | 900.22 | |
| 50 89 83 20-0138 | EA | CALTRANS 208640 PRESSURE REGULATING VALVE (2") | 1,289.50 | |
| 50 89 83 20-0139 | EA | CALTRANS 208649 QUICK COUPLING VALVE | 590.71 | |
| 50 89 83 20-0140 | EA | CALTRANS 208670 1/2" CHECK VALVE | 330.46 | |
| 50 89 83 20-0141 | EA | CALTRANS 208670 3/4" CHECK VALVE | 353.68 | |
| 50 89 83 20-0142 | EA | CALTRANS 208670 1" CHECK VALVE | 385.40 | |
| 50 89 83 20-0143 | EA | CALTRANS 208670 1 1/4" CHECK VALVE | 434.22 | |
| 50 89 83 20-0144 | EA | CALTRANS 208670 1 1/2" CHECK VALVE | 485.25 | |
| 50 89 83 20-0145 | EA | CALTRANS 208670 2" CHECK VALVE | 552.50 | |
| 50 89 83 20-0146 | EA | CALTRANS 208670 2 1/2" CHECK VALVE | 865.55 | |
| 50 89 83 20-0147 | EA | CALTRANS 208670 3" CHECK VALVE | 1,498.33 | |
| 50 89 83 20-0148 | EA | CALTRANS 208670 4" CHECK VALVE | 2,217.10 | |
| 50 89 83 20-0149 | EA | CALTRANS 208670 6" CHECK VALVE | 3,430.33 | |
| 50 89 83 20-0150 | EA | CALTRANS 208670 8" CHECK VALVE | 7,622.26 | |
| 50 89 83 20-0151 | EA | CALTRANS 208683 1/2" BALL VALVE | 296.65 | |
| 50 89 83 20-0152 | EA | CALTRANS 208683 3/4" BALL VALVE | 324.64 | |
| 50 89 83 20-0153 | EA | CALTRANS 208683 1" BALL VALVE | 336.23 | |
| 50 89 83 20-0154 | EA | CALTRANS 208683 1 1/4" BALL VALVE | 373.80 | |
| 50 89 83 20-0155 | EA | CALTRANS 208683 1 1/2" BALL VALVE | 394.18 | |
| 50 89 83 20-0156 | EA | CALTRANS 208683 2" BALL VALVE | 433.21 | |
| 50 89 83 20-0157 | EA | CALTRANS 208683 2 1/2" BALL VALVE | 482.48 | |
| 50 89 83 20-0158 | LF | CALTRANS 208690 PVC PIPE CONDUIT (SLEEVE) | 36.49 | |
| | | *For >1,000, Deduct* | *-1.82* | |
| 50 89 83 20-0159 | LF | CALTRANS 208702 8" ABS COMPOSITE PIPE CONDUIT | 47.52 | |
| | | *For >1,000, Deduct* | *-2.38* | |
| 50 89 83 20-0160 | LF | CALTRANS 208703 10" ABS COMPOSITE PIPE CONDUIT | 68.21 | |
| | | *For >1,000, Deduct* | *-3.41* | |
| 50 89 83 20-0161 | LF | CALTRANS 208738 8" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT | 28.31 | |
| 50 89 83 20-0162 | LF | CALTRANS 208739 10" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT | 36.27 | |
| 50 89 83 20-0163 | LF | CALTRANS 208740 12" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT | 42.05 | |
| 50 89 83 20-0164 | LF | CALTRANS 208756 6" CORRUGATED STEEL PIPE CONDUIT (.064" THICK) | 29.83 | |
| 50 89 83 20-0165 | LF | CALTRANS 208758 8" CORRUGATED STEEL PIPE CONDUIT (.064" THICK) | 37.10 | |
| 50 89 83 20-0166 | LF | CALTRANS 208760 10" CORRUGATED STEEL PIPE CONDUIT (.064" THICK) | 45.95 | |
| 50 89 83 20-0167 | LF | CALTRANS 208762 12" CORRUGATED STEEL PIPE CONDUIT (.064" THICK) | 51.32 | |
| 50 89 83 20-0168 | LF | CALTRANS 208813 1 1/4" WELDED STEEL PIPE CONDUIT | 27.05 | |
| | | *For >1,000, Deduct* | *-1.35* | |
| 50 89 83 20-0169 | LF | CALTRANS 208814 1 1/2" WELDED STEEL PIPE CONDUIT | 31.95 | |
| | | *For >1,000, Deduct* | *-1.60* | |
| 50 89 83 20-0170 | LF | CALTRANS 208815 2" WELDED STEEL PIPE CONDUIT | 36.96 | |
| | | *For >1,000, Deduct* | *-1.85* | |
| 50 89 83 20-0171 | LF | CALTRANS 208816 3" WELDED STEEL PIPE CONDUIT | 52.08 | |
| | | *For >1,000, Deduct* | *-2.60* | |
| 50 89 83 20-0172 | LF | CALTRANS 208817 4" WELDED STEEL PIPE CONDUIT | 71.99 | |
| | | *For >1,000, Deduct* | *-3.60* | |


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| CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 83 20-0173 | LF | CALTRANS 208818 6" WELDED STEEL PIPE CONDUIT | 104.89 | |
| | | *For >1,000, Deduct* | *-5.24* | |
| 50 89 83 20-0174 | LF | CALTRANS 208819 8" WELDED STEEL PIPE CONDUIT | 151.20 | |
| | | *For >1,000, Deduct* | *-7.56* | |
| 50 89 83 20-0175 | LF | CALTRANS 208820 10" WELDED STEEL PIPE CONDUIT | 201.72 | |
| | | *For >1,000, Deduct* | *-10.09* | |
| 50 89 83 20-0176 | LF | CALTRANS 208821 12" WELDED STEEL PIPE CONDUIT | 258.49 | |
| | | *For >1,000, Deduct* | *-12.92* | |
| **50 89 83 21** | | **EROSION CONTROL** *(50 89 83)* | | |
| | | Note: Includes applying permanent erosion control measures to the soil surface per CALTRAN Standard. | | |
| 50 89 83 21-0001 | EA | CALTRANS 210010 MOVE-IN/MOVE-OUT (EROSION CONTROL) | 407.86 | |
| 50 89 83 21-0002 | CY | CALTRANS 210110 IMPORTED TOPSOIL (CY) | 46.65 | |
| 50 89 83 21-0003 | TON | CALTRANS 210111 IMPORTED TOPSOIL (TON) | 58.30 | |
| 50 89 83 21-0004 | SF | CALTRANS 210212 DRY SEED (SQFT) | 0.12 | |
| 50 89 83 21-0005 | ACR | CALTRANS 210213 DRY SEED (ACRE) | 5,100.94 | |
| | | *For >5 To 20, Deduct* | *-363.51* | |
| | | *For >20 To 45, Deduct* | *-707.95* | |
| | | *For >45, Deduct* | *-1,160.85* | |
| 50 89 83 21-0006 | SY | CALTRANS 210222 DRILL SEED (SQYD) | 0.38 | |
| 50 89 83 21-0007 | ACR | CALTRANS 210223 DRILL SEED (ACRE) | 1,853.33 | |
| 50 89 83 21-0008 | SF | CALTRANS 210252 BONDED FIBER MATRIX (SQFT) | 0.11 | |
| 50 89 83 21-0009 | ACR | CALTRANS 210253 BONDED FIBER MATRIX (ACRE) | 4,514.11 | |
| 50 89 83 21-0010 | SF | CALTRANS 210260 ROLLED EROSION CONTROL PRODUCT (JUTE MESH) | 0.55 | |
| 50 89 83 21-0011 | SF | CALTRANS 210270 ROLLED EROSION CONTROL PRODUCT (NETTING) | 1.86 | |
| 50 89 83 21-0012 | SF | CALTRANS 210280 ROLLED EROSION CONTROL PRODUCT (BLANKET) | 0.60 | |
| 50 89 83 21-0013 | SF | CALTRANS 210290 ROLLED EROSION CONTROL PRODUCT (TRM) | 1.70 | |
| 50 89 83 21-0014 | SF | CALTRANS 210300 HYDROMULCH | 0.11 | |
| 50 89 83 21-0015 | LF | CALTRANS 210350 FIBER ROLL | 9.46 | |
| | | Note: 12" Diameter, Type 1 | | |
| | | *For >1,000 To 10,000, Deduct* | *-1.05* | |
| | | *For >10,000, Deduct* | *-1.78* | |
| | | *For 9" Diameter, Deduct* | *-1.19* | |
| 50 89 83 21-0016 | LF | CALTRANS 210350 FIBER ROLL | 7.45 | |
| | | Note: 12" Diameter, Type 2 | | |
| | | *For >1,000 To 10,000, Deduct* | *-0.75* | |
| | | *For >10,000, Deduct* | *-1.28* | |
| | | *For 9" Diameter, Deduct* | *-1.19* | |
| 50 89 83 21-0017 | LF | CALTRANS 210360 COMPOST SOCK | 12.01 | |
| 50 89 83 21-0018 | SF | CALTRANS 210420 STRAW | 0.17 | |
| 50 89 83 21-0019 | SF | CALTRANS 210430 HYDROSEED | 0.11 | |
| 50 89 83 21-0020 | CY | CALTRANS 210610 COMPOST (CY) | 98.99 | |
| | | *For >100 To 1,000, Deduct* | *-16.64* | |
| | | *For >1,000, Deduct* | *-25.49* | |
| 50 89 83 21-0021 | SF | CALTRANS 210630 INCORPORATE MATERIALS | 0.06 | |
| **50 89 84** | | **CALTRANS DIVISION IV - SUBBASES AND BASES** *(50 89 80)* | | |
| **50 89 84 24** | | **STABILIZED SOILS** *(50 89 84)* | | |
| 50 89 84 24-0001 | SY | CALTRANS 240105 LIME STABILIZED SOIL | 13.10 | |
| | | *For 4% Lime Instead Of 5%, Deduct* | *-0.38* | |
| | | *For 6% Lime Instead Of 5%, Add* | *0.38* | |
| 50 89 84 24-0002 | SY | CALTRANS 240300 CEMENT STABILIZED SOIL | 12.29 | |
| **50 89 84 25** | | **AGGREGATE SUBBASES** *(50 89 84)* | | |
| | | Note: Includes aggregate, placing aggregate subbase, water, geosynthetic materials, spreading, compacting per CALTRAN Standard. | | |
| 50 89 84 25-0001 | CY | CALTRANS 250101 CLASS 1 AGGREGATE SUBBASE | 116.79 | |
| 50 89 84 25-0002 | CY | CALTRANS 250201 CLASS 2 AGGREGATE SUBBASE | 105.29 | |
| 50 89 84 25-0003 | CY | CALTRANS 250301 CLASS 3 AGGREGATE SUBBASE | 101.14 | |
| 50 89 84 25-0004 | CY | CALTRANS 250401 CLASS 4 AGGREGATE SUBBASE | 101.09 | |
| 50 89 84 25-0005 | CY | CALTRANS 250501 CLASS 5 AGGREGATE SUBBASE | 101.04 | |
| **50 89 84 26** | | **AGGREGATE BASES** *(50 89 84)* | | |
| | | Note: Includes aggregate, placing aggregate, water, geosynthetic materials, spreading, compacting per CALTRAN Standard. | | |
| 50 89 84 26-0001 | CY | CALTRANS 260200 AGGREGATE BASE | 115.19 | |
| | | *For Recycled Aggregate Base, Deduct* | *-7.37* | |
| 50 89 84 26-0002 | TON | CALTRANS 260202 CLASS 2 AGGREGATE BASE (TON) | 105.70 | |
| 50 89 84 26-0003 | CY | CALTRANS 260203 CLASS 2 AGGREGATE BASE (CY) | 105.29 | |
| 50 89 84 26-0004 | TON | CALTRANS 260302 CLASS 3 AGGREGATE BASE (TON) | 100.04 | |
| 50 89 84 26-0005 | CY | CALTRANS 260303 CLASS 3 AGGREGATE BASE (CY) | 101.14 | |
| **50 89 84 27** | | **CEMENT TREATED BASES** *(50 89 84)* | | |
| | | Note: Includes aggregate, Type II portland cement, mixing, placing cement treated base, spreading, compaction, contact joints and curing per CALTRAN Standard. | | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 84 27-0001 | TON | CALTRANS 270002 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (TON) | 53.19 | |
| | | *For Up To 500, Add* | *15.65* | |
| | | *For >500 To 1,000, Add* | *5.32* | |
| | | *For >5,000 To 10,000, Deduct* | *-2.02* | |
| | | *For >10,000, Deduct* | *-3.46* | |
| 50 89 84 27-0002 | CY | CALTRANS 270003 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (CY) | 71.86 | |
| | | *For Up To 500, Add* | *21.16* | |
| | | *For >500 To 1,000, Add* | *7.19* | |
| | | *For >5,000 To 10,000, Deduct* | *-2.73* | |
| | | *For >10,000, Deduct* | *-4.67* | |
| 50 89 84 27-0003 | TON | CALTRANS 270013 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (TON) | 43.47 | |
| | | *For Up To 500, Add* | *12.74* | |
| | | *For >500 To 1,000, Add* | *4.35* | |
| | | *For >5,000 To 10,000, Deduct* | *-1.65* | |
| | | *For >10,000, Deduct* | *-2.83* | |
| 50 89 84 27-0004 | CY | CALTRANS 270014 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (CY) | 62.12 | |
| | | *For Up To 500, Add* | *18.24* | |
| | | *For >500 To 1,000, Add* | *6.21* | |
| | | *For >5,000 To 10,000, Deduct* | *-2.36* | |
| | | *For >10,000, Deduct* | *-4.04* | |

## 50 89 84 28 CONCRETE BASES *(50 89 84)*

Note: Includes constructing concrete bases and placing concrete per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 84 28-0001 | CY | CALTRANS 280001 CONCRETE BASE | 264.86 | |

## 50 89 84 29 TREATED PERMEABLE BASES *(50 89 84)*

Note: Includes constructing treated permeable bases, spreading, and placement per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 84 29-0001 | CY | CALTRANS 290301 CEMENT TREATED PERMEABLE BASE | 1,026.43 | |
| | | *For >5,000 To 30,000, Deduct* | *-109.71* | |
| | | *For >30,000 To 100,000, Deduct* | *-200.83* | |
| | | *For >100,000, Deduct* | *-249.40* | |

## 50 89 84 30 RECLAIMED PAVEMENT *(50 89 84)*

Note: Includes constructing reclaimed pavement bases, surface preparation, grading, compaction, finishing and placement per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 84 30-0001 | SF | CALTRANS 300100 FULL DEPTH RECLAMATION-FOAMED ASPHALT | 24.55 | |
| 50 89 84 30-0002 | SY | CALTRANS 303000 PULVERIZED ROADBED | 5.29 | |

# 50 89 85 CALTRANS DIVISION V - SURFACINGS AND PAVEMENTS *(50 89 80)*

## 50 89 85 37 BITUMINOUS SEALS *(50 89 85)*

Note: Includes applying bituminous seals, surface preparation, placement, spreading, finishing and seal coat per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 85 37-0001 | SY | CALTRANS 370001 SAND COVER (SEAL) | 1.45 | |
| 50 89 85 37-0002 | SY | CALTRANS 374002 ASPHALTIC EMULSION (FOG SEAL COAT) | 0.89 | |
| 50 89 85 37-0003 | LNMI | CALTRANS 374207 CRACK TREATMENT | 6,797.71 | |
| 50 89 85 37-0004 | SY | CALTRANS 374491 NON-POLYMER ASPHALTIC EMULSION (SEAL COAT) | 4.94 | |
| 50 89 85 37-0005 | SY | CALTRANS 374493 POLYMER ASPHALTIC EMULSION (SEAL COAT) | 10.26 | |
| 50 89 85 37-0006 | TON | CALTRANS 375001 SCREENINGS | 82.34 | |
| | | *For Up To 14, Add* | *22.59* | |
| | | *For >14 To 35, Add* | *8.23* | |
| 50 89 85 37-0007 | SY | CALTRANS 375009 TACK COAT (SEAL) | 1.05 | |
| | | *For Up To 150, Add* | *0.23* | |
| | | *For >150 To 300, Add* | *0.11* | |
| | | *For >300 To 500, Add* | *0.05* | |
| | | *For >3,500 To 5,000, Deduct* | *-0.03* | |
| | | *For >5,000, Deduct* | *-0.07* | |
| 50 89 85 37-0008 | SY | CALTRANS 377501 SLURRY SEAL (TYPE I) Note: 1/8" thick. | 3.11 | |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.32* | |
| 50 89 85 37-0009 | SY | CALTRANS 377501 SLURRY SEAL (TYPE II) Note: 1/4" thick, 14 to 18 Lb/SY. | 4.12 | |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.47* | |
| 50 89 85 37-0010 | SY | CALTRANS 377501 SLURRY SEAL (TYPE III) Note: 3/8" thick, 25 to 30 Lb/SY. | 5.35 | |
| | | *For Each 0.5% Of Latex Addition, Add* | *0.76* | |
| 50 89 85 37-0011 | SY | CALTRANS 378000 MICRO-SURFACING | 11.03 | |

## 50 89 85 39 ASPHALT CONCRETE *(50 89 85)*

Note: Includes hot mix asphalt, preparation, placement, finishing, compaction and testing per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 85 39-0001 | TON | CALTRANS 390100 PRIME COAT | 1,418.06 | |
| 50 89 85 39-0002 | TON | CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (Up To 25) | 193.05 | |
| 50 89 85 39-0003 | TON | CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>25 To 100) | 182.38 | |
| 50 89 85 39-0004 | TON | CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>100-250) | 165.62 | |
| 50 89 85 39-0005 | TON | CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>250) | 157.34 | |
| 50 89 85 39-0006 | TON | CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (UP TO 25) | 309.72 | |
| 50 89 85 39-0007 | TON | CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>25 - 100) | 271.39 | |
| 50 89 85 39-0008 | TON | CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>100 - 250) | 233.02 | |
| 50 89 85 39-0009 | TON | CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>250) | 197.87 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 85 39-0010 | TON | CALTRANS 390136 MINOR HOT MIX ASPHALT (UP TO 25) | 318.39 | |
| 50 89 85 39-0011 | TON | CALTRANS 390137 RUBBERIZED HOT MIX ASPHALT (GAP GRADED)<br>Note: Includes placement, rolling, finishing and sweeping. | 196.08 | |
| 50 89 85 39-0012 | SY | CALTRANS 393004 GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC)<br>Note: 4.1 Oz/SY, 100# 1-Inch Grab Tensile, Non-woven Polypropylene | 2.12 | |
| | | *For Up To 50, Add* | *0.47* | |
| | | *For >50 To 150, Add* | *0.35* | |
| | | *For >150 To 250, Add* | *0.23* | |
| | | *For >250 To 500, Add* | *0.11* | |
| 50 89 85 39-0013 | LF | CALTRANS 394072 PLACE HOT MIX ASPHALT DIKE (TYPE B) | 10.59 | |
| 50 89 85 39-0014 | LF | CALTRANS 394073 PLACE HOT MIX ASPHALT DIKE (TYPE A) | 7.73 | |
| 50 89 85 39-0015 | LF | CALTRANS 394074 PLACE HOT MIX ASPHALT DIKE (TYPE C) | 4.09 | |
| 50 89 85 39-0016 | LF | CALTRANS 394075 PLACE HOT MIX ASPHALT DIKE (TYPE D) | 16.97 | |
| 50 89 85 39-0017 | LF | CALTRANS 394076 PLACE HOT MIX ASPHALT DIKE (TYPE E) | 10.98 | |
| 50 89 85 39-0018 | LF | CALTRANS 394077 PLACE HOT MIX ASPHALT DIKE (TYPE F) | 5.99 | |
| 50 89 85 39-0019 | SY | CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) Up To 2" | 18.38 | |
| | | *For Up To 500, Add* | *2.84* | |
| | | *For >500 To 1,000, Add* | *1.61* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.75* | |
| | | *For >10,000 To 24,000, Deduct* | *-1.38* | |
| | | *For >24,000 To 48,000, Deduct* | *-2.13* | |
| | | *For >48,000, Deduct* | *-3.06* | |
| 50 89 85 39-0020 | SY | CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >2" To 3" | 25.73 | |
| | | *For Up To 300, Add* | *3.74* | |
| | | *For >300 To 600, Add* | *3.06* | |
| | | *For >3,000 To 6,000, Deduct* | *-1.09* | |
| | | *For >6,000 To 16,000, Deduct* | *-1.99* | |
| | | *For >16,000 To 32,000, Deduct* | *-3.08* | |
| | | *For >32,000, Deduct* | *-4.43* | |
| 50 89 85 39-0021 | SY | CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >3" To 4" | 35.08 | |
| | | *For Up To 250, Add* | *4.76* | |
| | | *For >250 To 500, Add* | *2.62* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.55* | |
| | | *For >5,000 To 12,000, Deduct* | *-2.81* | |
| | | *For >12,000 To 24,000, Deduct* | *-4.36* | |
| | | *For >24,000, Deduct* | *-6.25* | |
| 50 89 85 39-0022 | SY | CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >4" To 6" | 52.61 | |
| | | *For Up To 160, Add* | *7.13* | |
| | | *For >160 To 320, Add* | *3.93* | |
| | | *For >1,600 To 3,200, Deduct* | *-2.32* | |
| | | *For >3,200 To 8,000, Deduct* | *-4.21* | |
| | | *For >8,000 To 16,000, Deduct* | *-6.53* | |
| | | *For >16,000, Deduct* | *-9.38* | |
| 50 89 85 39-0023 | TON | CALTRANS 395020 RUBBERIZED HOT MIX ASPHALT-GAP GRADED (BONDED WEARING COURSE) | 196.08 | |
| 50 89 85 39-0024 | TON | CALTRANS 397005 TACK COAT | 857.78 | |
| 50 89 85 39-0025 | SF | CALTRANS 398000 REMOVE ASPHALT CONCRETE PAVEMENT (CY) | 205.73 | |
| | | *For >500 To 1,000, Deduct* | *-20.57* | |
| | | *For >1,000 To 2,500, Deduct* | *-37.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-53.49* | |
| | | *For >5,000 To 10,000, Deduct* | *-69.95* | |
| | | *For >10,000, Deduct* | *-86.41* | |
| 50 89 85 39-0026 | SF | CALTRANS 398001 REMOVE ASPHALT CONCRETE PAVEMENT (SQFT) | 3.49 | |
| | | *For >500 To 1,000, Deduct* | *-0.35* | |
| | | *For >1,000 To 2,500, Deduct* | *-0.63* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.91* | |
| | | *For >5,000 To 10,000, Deduct* | *-1.19* | |
| | | *For >10,000, Deduct* | *-1.47* | |
| 50 89 85 39-0027 | LF | CALTRANS 398100 REMOVE ASPHALT CONCRETE DIKE | 6.00 | |
| 50 89 85 39-0028 | SY | CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (Up To 3") | 4.75 | |
| | | *For Up To 2,500, Add* | *3.56* | |
| | | *For >2,500 To 5,000, Add* | *1.19* | |
| | | *For >10,000 To 25,000, Deduct* | *-0.48* | |
| | | *For >25,000, Deduct* | *-0.71* | |
| 50 89 85 39-0029 | SY | CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (>3" To 6") | 6.32 | |
| | | *For Up To 2,500, Add* | *4.74* | |
| | | *For >2,500 To 5,000, Add* | *1.58* | |
| | | *For >10,000 To 25,000, Deduct* | *-0.63* | |
| | | *For >25,000, Deduct* | *-0.95* | |

## 50 89 85 40 CONCRETE PAVEMENT *(50 89 85)*

Note: Includes concrete pavement, reinforing, placement, finishing, compaction and testing per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 85 40-0001 | CY | CALTRANS 400050 CONTINUOUSLY REINFORCED CONCRETE PAVEMENT | 411.18 | |
| | | *For >1,000 To 5,000, Deduct* | *-19.52* | |
| | | *For >5,000, Deduct* | *-49.84* | |
| 50 89 85 40-0002 | CY | CALTRANS 401050 JOINTED PLAIN CONCRETE PAVEMENT | 392.67 | |
| | | *For >1,000 To 5,000, Deduct* | *-19.52* | |
| | | *For >5,000, Deduct* | *-48.92* | |

## 50 89 85 41 EXISTING CONCRETE PAVEMENT *(50 89 85)*

Note: Includes work on existing concrete pavement, placement and finishing per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 85 41-0001 | EA | CALTRANS 410096 DRILL AND BOND (DOWEL BAR) | 28.18 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 85 41-0002 | SY | CALTRANS 410121 SPALL REPAIR (FAST-SETTING CONCRETE) | 427.70 | |
| | | *For Up To 100, Add* | *585.08* | |
| | | *For >100 To 250, Add* | *292.54* | |
| 50 89 85 41-0003 | LF | CALTRANS 414220 REPLACE JOINT SEAL (ASPHALT RUBBER) | 9.79 | |
| 50 89 85 41-0004 | LF | CALTRANS 414221 REPLACE JOINT SEAL (SILICONE) | 9.41 | |
| 50 89 85 41-0005 | LF | CALTRANS 414222 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 7/16" TO 13/16") | 16.82 | |
| 50 89 85 41-0006 | LF | CALTRANS 414223 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1" TO 1-1/4") | 19.90 | |
| 50 89 85 41-0007 | LF | CALTRANS 414224 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1-5/8" TO 2") | 39.31 | |
| 50 89 85 41-0008 | LF | CALTRANS 414241 ISOLATION JOINT SEAL (SILICONE) | 13.79 | |
| 50 89 85 41-0009 | LF | CALTRANS 414242 ISOLATION JOINT SEAL (PREFORMED COMPRESSION) | 14.89 | |
| 50 89 85 41-0010 | SY | CALTRANS 416101 PAVEMENT TRANSITION TAPER | 65.13 | |
| | | *For Up To 100, Add* | *25.80* | |
| | | *For >100 To 250, Add* | *14.56* | |
| | | *For >250 To 500, Add* | *7.28* | |
| | | *For >1,000 To 2,000, Deduct* | *-1.66* | |
| | | *For >2,000 To 5,000, Deduct* | *-3.29* | |
| | | *For >5,000 To 10,000, Deduct* | *-4.92* | |
| | | *For >10,000 To 20,000, Deduct* | *-6.54* | |
| | | *For >20,000, Deduct* | *-8.17* | |
| 50 89 85 41-0011 | CY | CALTRANS 418002 REMOVE CONCRETE PAVEMENT AND BASE | 52.82 | |
| 50 89 85 41-0012 | SY | CALTRANS 418005 REMOVE CONCRETE PAVEMENT (SQYD) | 24.94 | |
| | | *For >500 To 1,000, Deduct* | *-2.49* | |
| | | *For >1,000 To 2,500, Deduct* | *-4.49* | |
| | | *For >2,500 To 5,000, Deduct* | *-6.48* | |
| | | *For >5,000 To 10,000, Deduct* | *-8.48* | |
| | | *For >10,000, Deduct* | *-10.47* | |

## 50 89 85 42 GROOVE AND GRIND CONCRETE *(50 89 85)*

Note: Includes grooving and grinding concrete roadway surfaces per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 85 42-0001 | SY | CALTRANS 420102 GROOVE EXISTING CONCRETE PAVEMENT | 1.82 | |
| 50 89 85 42-0002 | SY | CALTRANS 420104 GROOVE EXISTING BRIDGE DECK | 2.72 | |
| 50 89 85 42-0003 | SY | CALTRANS 420201 GRIND EXISTING CONCRETE PAVEMENT | 4.75 | |
| | | *For Up To 2,500, Add* | *3.56* | |
| | | *For >2,500 To 5,000, Add* | *1.19* | |
| | | *For >10,000 To 25,000, Deduct* | *-0.48* | |
| | | *For >25,000, Deduct* | *-0.71* | |
| 50 89 85 42-0004 | SY | CALTRANS 420203 GRIND EXISTING BRIDGE DECK | 29.99 | |
| | | *For >100 To 1,000, Deduct* | *-15.00* | |
| | | *For >1,000, Deduct* | *-22.49* | |

## 50 89 86 CALTRANS DIVISION VI - STRUCTURES *(50 89 80)*

## 50 89 86 47 EARTH RETAINING SYSTEMS *(50 89 86)*

| | | | | |
|---|---|---|---|---|
| 50 89 86 47-0001 | SF | CALTRANS 475010 RETAINING WALL (MASONRY WALL) | 68.42 | 8.83 |
| | | *For >3:1 Sloped Soil At Top, Add* | *4.32* | |

## 50 89 86 56 OVERHEAD SIGN STRUCTURES, STANDARDS, AND POLES *(50 89 86)*

| | | | | |
|---|---|---|---|---|
| 50 89 86 56-0001 | SF | CALTRANS 560248 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED) | 18.66 | 27.40 |

## 50 89 86 60 EXISTING STRUCTURES *(50 89 86)*

| | | | | |
|---|---|---|---|---|
| 50 89 86 60-0001 | LF | CALTRANS 600063 CORE CONCRETE (1") | 135.72 | |
| | | *For Horizontal Cores, Add* | *26.82* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *53.64* | |
| 50 89 86 60-0002 | LF | CALTRANS 600064 CORE CONCRETE (2") | 167.17 | |
| | | *For Horizontal Cores, Add* | *33.11* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *66.22* | |
| 50 89 86 60-0003 | LF | CALTRANS 600065 CORE CONCRETE (3") | 183.52 | |
| | | *For Horizontal Cores, Add* | *36.25* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *72.51* | |
| 50 89 86 60-0004 | LF | CALTRANS 600066 CORE CONCRETE (4") | 244.62 | |
| | | *For Horizontal Cores, Add* | *48.34* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *96.68* | |
| 50 89 86 60-0005 | LF | CALTRANS 600067 CORE CONCRETE (5") | 281.70 | |
| | | *For Horizontal Cores, Add* | *55.62* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *111.24* | |
| 50 89 86 60-0006 | LF | CALTRANS 600068 CORE CONCRETE (6") | 318.12 | |
| | | *For Horizontal Cores, Add* | *62.91* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *125.81* | |
| 50 89 86 60-0007 | LF | CALTRANS 600069 CORE CONCRETE (7") | 416.27 | |
| | | *For Horizontal Cores, Add* | *82.28* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *164.55* | |
| 50 89 86 60-0008 | LF | CALTRANS 600070 CORE CONCRETE (8") | 513.11 | |
| | | *For Horizontal Cores, Add* | *101.64* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *203.29* | |
| 50 89 86 60-0009 | LF | CALTRANS 600071 CORE CONCRETE (9") | 59.24 | |
| | | *For Horizontal Cores, Add* | *10.54* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *21.09* | |
| 50 89 86 60-0010 | LF | CALTRANS 600072 CORE CONCRETE (10") | 552.81 | |
| | | *For Horizontal Cores, Add* | *109.26* | |
| | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *218.52* | |


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| | MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|---|
| 50 89 86 60-0011 | | LF | CALTRANS 600074 CORE CONCRETE (12") | 636.89 | |
| | | | *For Horizontal Cores, Add* | *125.81* | |
| | | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *251.63* | |
| 50 89 86 60-0012 | | LF | CALTRANS 600081 CORE CONCRETE (1 1/2") | 150.62 | |
| | | | *For Horizontal Cores, Add* | *29.80* | |
| | | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *59.60* | |
| 50 89 86 60-0013 | | LF | CALTRANS 600083 CORE CONCRETE (2 1/2") | 175.66 | |
| | | | *For Horizontal Cores, Add* | *34.68* | |
| | | | *For Overhead Ceiling Cores (Where Not Accessible From Above), Add* | *69.36* | |

## 50 89 87 CALTRANS DIVISION VII - DRAINAGE FACILITIES *(50 89 80)*

### 50 89 87 64 PLASTIC PIPE *(50 89 87)*

Note: Includes installing plastic pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

| | | | | | |
|---|---|---|---|---|---|
| 50 89 87 64-0001 | | LF | CALTRANS 641101 12" PLASTIC PIPE | 57.23 | |
| | | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 64-0002 | | LF | CALTRANS 641104 15" PLASTIC PIPE | 72.01 | |
| | | | Note: Includes 0.53 CY of excavated material per LF of pipe. | | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 64-0003 | | LF | CALTRANS 641107 18" PLASTIC PIPE | 91.76 | |
| | | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 64-0004 | | LF | CALTRANS 641110 21" PLASTIC PIPE | 108.92 | |
| | | | Note: Includes 0.80 CY of excavated material per LF of pipe. | | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 64-0005 | | LF | CALTRANS 641113 24" PLASTIC PIPE | 127.50 | |
| | | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 64-0006 | | LF | CALTRANS 641119 30" PLASTIC PIPE | 185.21 | |
| | | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 64-0007 | | LF | CALTRANS 641125 36" PLASTIC PIPE | 225.82 | |
| | | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 64-0008 | | LF | CALTRANS 641128 42" PLASTIC PIPE | 331.79 | |
| | | | Note: Includes 1.53 CY of excavated material per LF of pipe. | | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 64-0009 | | LF | CALTRANS 641131 48" PLASTIC PIPE | 403.51 | |
| | | | Note: Includes 1.78 CY of excavated material per LF of pipe. | | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |

### 50 89 87 65 CONCRETE PIPE *(50 89 87)*

Note: Includes installing concrete pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

| | | | | | |
|---|---|---|---|---|---|
| 50 89 87 65-0001 | | LF | CALTRANS 650010 12" REINFORCED CONCRETE PIPE | 67.31 | |
| | | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | | *For >1,000, Deduct* | *-3.37* | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0002 | | LF | CALTRANS 650012 15" REINFORCED CONCRETE PIPE | 83.48 | |
| | | | Note: Includes 0.53 CY of excavated material per LF of pipe. | | |
| | | | *For >1,000, Deduct* | *-4.17* | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0003 | | LF | CALTRANS 650014 18" REINFORCED CONCRETE PIPE | 95.95 | |
| | | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | | *For >1,000, Deduct* | *-4.80* | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0004 | | LF | CALTRANS 650016 21" REINFORCED CONCRETE PIPE | 123.25 | |
| | | | Note: Includes 0.80 CY of excavated material per LF of pipe. | | |
| | | | *For >1,000, Deduct* | *-6.16* | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0005 | | LF | CALTRANS 650018 24" REINFORCED CONCRETE PIPE | 142.70 | |
| | | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | | *For >1,000, Deduct* | *-7.14* | |
| | | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 65-0006 | LF | CALTRANS 650019 27" REINFORCED CONCRETE PIPE | 175.66 | |
| | | Note: Includes 0.98 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-8.78* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0007 | LF | CALTRANS 650022 30" REINFORCED CONCRETE PIPE | 187.73 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-9.39* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0008 | LF | CALTRANS 650024 33" REINFORCED CONCRETE PIPE | 209.16 | |
| | | Note: Includes 1.19 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-10.46* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0009 | LF | CALTRANS 650026 36" REINFORCED CONCRETE PIPE | 230.40 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-11.52* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0010 | LF | CALTRANS 650030 42" REINFORCED CONCRETE PIPE | 295.11 | |
| | | Note: Includes 1.53 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-14.76* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0011 | LF | CALTRANS 650034 48" REINFORCED CONCRETE PIPE | 353.06 | |
| | | Note: Includes 1.78 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-17.65* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0012 | LF | CALTRANS 650038 54" REINFORCED CONCRETE PIPE | 433.13 | |
| | | Note: Includes 2.05 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-21.66* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0013 | LF | CALTRANS 650042 60" REINFORCED CONCRETE PIPE | 519.25 | |
| | | Note: Includes 2.33 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-25.96* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0014 | LF | CALTRANS 650046 66" REINFORCED CONCRETE PIPE | 765.07 | |
| | | Note: Includes 2.64 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-38.25* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0015 | LF | CALTRANS 650050 72" REINFORCED CONCRETE PIPE | 887.12 | |
| | | Note: Includes 2.96 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-44.36* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0016 | LF | CALTRANS 650054 78" REINFORCED CONCRETE PIPE | 1,057.65 | |
| | | Note: Includes 3.31 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-52.88* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0017 | LF | CALTRANS 650058 84" REINFORCED CONCRETE PIPE | 1,342.09 | |
| | | Note: Includes 3.67 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-67.10* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0018 | LF | CALTRANS 650065 96" REINFORCED CONCRETE PIPE | 1,633.79 | |
| | | Note: Includes 4.44 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-81.69* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0019 | LF | CALTRANS 650211 18" REINFORCED CONCRETE PIPE (CLASS II) | 94.00 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-4.70* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0020 | LF | CALTRANS 650220 30" REINFORCED CONCRETE PIPE (CLASS II) | 183.84 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-9.19* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0021 | LF | CALTRANS 650222 33" REINFORCED CONCRETE PIPE (CLASS II) | 204.57 | |
| | | Note: Includes 1.19 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-10.23* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0022 | LF | CALTRANS 650224 36" REINFORCED CONCRETE PIPE (CLASS II) | 225.12 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-11.26* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 65-0023 | LF | CALTRANS 650307 12" REINFORCED CONCRETE PIPE (CLASS III) | 67.31 | |
| | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-3.37* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0024 | LF | CALTRANS 650309 15" REINFORCED CONCRETE PIPE (CLASS III) | 83.48 | |
| | | Note: Includes 0.53 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-4.17* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0025 | LF | CALTRANS 650311 18" REINFORCED CONCRETE PIPE (CLASS III) | 95.95 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-4.80* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0026 | LF | CALTRANS 650316 24" REINFORCED CONCRETE PIPE (CLASS III) | 142.70 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-7.14* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0027 | LF | CALTRANS 650318 27" REINFORCED CONCRETE PIPE (CLASS III) | 175.66 | |
| | | Note: Includes 0.98 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-8.78* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0028 | LF | CALTRANS 650320 30" REINFORCED CONCRETE PIPE (CLASS III) | 187.73 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-9.39* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0029 | LF | CALTRANS 650324 36" REINFORCED CONCRETE PIPE (CLASS III) | 230.40 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-11.52* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0030 | LF | CALTRANS 650328 42" REINFORCED CONCRETE PIPE (CLASS III) | 295.11 | |
| | | Note: Includes 1.53 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-14.76* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0031 | LF | CALTRANS 650336 54" REINFORCED CONCRETE PIPE (CLASS III) | 433.13 | |
| | | Note: Includes 2.05 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-21.66* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0032 | LF | CALTRANS 650407 12" REINFORCED CONCRETE PIPE (CLASS IV) | 70.05 | |
| | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-3.50* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0033 | LF | CALTRANS 650409 15" REINFORCED CONCRETE PIPE (CLASS IV) | 86.98 | |
| | | Note: Includes 0.53 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-4.35* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0034 | LF | CALTRANS 650411 18" REINFORCED CONCRETE PIPE (CLASS IV) | 99.63 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-4.98* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0035 | LF | CALTRANS 650416 24" REINFORCED CONCRETE PIPE (CLASS IV) | 148.12 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-7.41* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0036 | LF | CALTRANS 650420 30" REINFORCED CONCRETE PIPE (CLASS IV) | 195.14 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-9.76* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0037 | LF | CALTRANS 650424 36" REINFORCED CONCRETE PIPE (CLASS IV) | 240.45 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-12.02* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0038 | LF | CALTRANS 650432 48" REINFORCED CONCRETE PIPE (CLASS IV) | 371.08 | |
| | | Note: Includes 1.78 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-18.55* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0039 | LF | CALTRANS 650436 54" REINFORCED CONCRETE PIPE (CLASS IV) | 456.53 | |
| | | Note: Includes 2.05 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-22.83* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 65-0040 | LF | CALTRANS 650440 60" REINFORCED CONCRETE PIPE (CLASS IV) | 548.03 | |
| | | Note: Includes 2.33 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-27.40* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0041 | LF | CALTRANS 650507 12" REINFORCED CONCRETE PIPE (CLASS V) | 73.08 | |
| | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-3.65* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0042 | LF | CALTRANS 650511 18" REINFORCED CONCRETE PIPE (CLASS V) | 103.71 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-5.19* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0043 | LF | CALTRANS 650516 24" REINFORCED CONCRETE PIPE (CLASS V) | 154.12 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-7.71* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0044 | LF | CALTRANS 650520 30" REINFORCED CONCRETE PIPE (CLASS V) | 187.73 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-9.39* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0045 | LF | CALTRANS 650524 36" REINFORCED CONCRETE PIPE (CLASS V) | 251.55 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-12.58* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0046 | LF | CALTRANS 650528 42" REINFORCED CONCRETE PIPE (CLASS V) | 295.11 | |
| | | Note: Includes 1.53 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-14.76* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0047 | LF | CALTRANS 650536 54" REINFORCED CONCRETE PIPE (CLASS V) | 482.40 | |
| | | Note: Includes 2.05 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-24.12* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0048 | LF | CALTRANS 650540 60" REINFORCED CONCRETE PIPE (CLASS V) | 519.25 | |
| | | Note: Includes 2.33 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-25.96* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0049 | LF | CALTRANS 650548 72" REINFORCED CONCRETE PIPE (CLASS V) | 887.12 | |
| | | Note: Includes 2.96 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-44.36* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0050 | LF | CALTRANS 652207 12" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) | 67.89 | |
| | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-3.39* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0051 | LF | CALTRANS 652215 24" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) | 143.84 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-7.19* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0052 | LF | CALTRANS 652307 12" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 69.48 | |
| | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-3.47* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0053 | LF | CALTRANS 652311 18" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 98.86 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-4.94* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0054 | LF | CALTRANS 652314 21" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 127.04 | |
| | | Note: Includes 0.80 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-6.35* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0055 | LF | CALTRANS 652316 24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 146.98 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-7.35* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0056 | LF | CALTRANS 652320 30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 193.58 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-9.68* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 65-0057 | LF | CALTRANS 652324 36" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 238.33 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-11.92* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0058 | LF | CALTRANS 652328 42" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 306.58 | |
| | | Note: Includes 1.53 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-15.33* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0059 | LF | CALTRANS 652332 48" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 367.29 | |
| | | Note: Includes 1.78 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-18.36* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0060 | LF | CALTRANS 652348 72" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) | 933.92 | |
| | | Note: Includes 2.96 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-46.70* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0061 | LF | CALTRANS 652416 24" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) | 152.80 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-7.64* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0062 | LF | CALTRANS 652420 30" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) | 201.53 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-10.08* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0063 | LF | CALTRANS 652424 36" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) | 249.11 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-12.46* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0064 | LF | CALTRANS 652428 42" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) | 322.19 | |
| | | Note: Includes 1.53 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-16.11* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0065 | LF | CALTRANS 652444 66" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) | 858.11 | |
| | | Note: Includes 2.64 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-42.91* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0066 | LF | CALTRANS 654311 18" REINFORCED CONCRETE PRESSURE PIPE (CLASS III) | 159.59 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| | | *For >1,000, Deduct* | *-7.98* | |
| 50 89 87 65-0067 | LF | CALTRANS 654316 24" REINFORCED CONCRETE PRESSURE PIPE (CLASS III) | 198.25 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| | | *For >1,000, Deduct* | *-9.91* | |
| 50 89 87 65-0068 | LF | CALTRANS 654324 36" REINFORCED CONCRETE PRESSURE PIPE (CLASS III) | 263.77 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| | | *For >1,000, Deduct* | *-13.19* | |
| 50 89 87 65-0069 | LF | CALTRANS 657213 24" X 38" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS II) | 277.09 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-13.85* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0070 | LF | CALTRANS 657329 34" X 53" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS III) | 471.89 | |
| | | Note: Includes 1.78 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-23.59* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0071 | LF | CALTRANS 659108 18" NON-REINFORCED CONCRETE PIPE | 88.18 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-4.41* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0072 | LF | CALTRANS 659109 24" NON-REINFORCED CONCRETE PIPE | 131.28 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-6.56* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 65-0073 | LF | CALTRANS 659110 30" NON-REINFORCED CONCRETE PIPE | 172.14 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For >1,000, Deduct* | *-8.61* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 65-0074 | LF | CALTRANS 659111 36" NON-REINFORCED CONCRETE PIPE<br>Note: Includes 1.30 CY of excavated material per LF of pipe. | 209.26 | |
| | | *For >1,000, Deduct* | *-10.46* | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |

## 50 89 87 66 CORRUGATED METAL PIPE *(50 89 87)*

Note: Includes installing corrugated metal pipe and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 87 66-0001 | LF | CALTRANS 665002 6" CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.29 CY of excavated material per LF of pipe. | 30.36 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0002 | LF | CALTRANS 665003 6" CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.29 CY of excavated material per LF of pipe. | 32.71 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0003 | LF | CALTRANS 665005 8" CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.29 CY of excavated material per LF of pipe. | 40.83 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0004 | LF | CALTRANS 665006 8" CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.29 CY of excavated material per LF of pipe. | 43.93 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0005 | LF | CALTRANS 665008 10" CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.32 CY of excavated material per LF of pipe. | 50.25 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0006 | LF | CALTRANS 665009 10" CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.32 CY of excavated material per LF of pipe. | 52.79 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0007 | LF | CALTRANS 665011 12" CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.37 CY of excavated material per LF of pipe. | 56.02 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0008 | LF | CALTRANS 665012 12" CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.37 CY of excavated material per LF of pipe. | 60.06 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0009 | LF | CALTRANS 665013 15" CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.53 CY of excavated material per LF of pipe. | 70.08 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0010 | LF | CALTRANS 665014 15" CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.53 CY of excavated material per LF of pipe. | 75.06 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0011 | LF | CALTRANS 665015 15" CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 0.53 CY of excavated material per LF of pipe. | 85.34 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0012 | LF | CALTRANS 665016 18" CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe. | 81.79 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0013 | LF | CALTRANS 665017 18" CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe. | 87.81 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0014 | LF | CALTRANS 665018 18" CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe. | 100.27 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0015 | LF | CALTRANS 665019 21" CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.80 CY of excavated material per LF of pipe. | 96.82 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0016 | LF | CALTRANS 665020 21" CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.80 CY of excavated material per LF of pipe. | 103.78 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0017 | LF | CALTRANS 665021 21" CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 0.80 CY of excavated material per LF of pipe. | 118.26 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0018 | LF | CALTRANS 665022 24" CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.89 CY of excavated material per LF of pipe. | 107.27 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 66-0019 | LF | CALTRANS 665023 24" CORRUGATED STEEL PIPE (.079" THICK) | 115.56 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0020 | LF | CALTRANS 665024 24" CORRUGATED STEEL PIPE (.109" THICK) | 132.06 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0021 | LF | CALTRANS 665025 24" CORRUGATED STEEL PIPE (.138" THICK) | 145.92 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0022 | LF | CALTRANS 665026 27" CORRUGATED STEEL PIPE (.064" THICK) | 123.67 | |
| | | Note: Includes 0.98 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0023 | LF | CALTRANS 665027 27" CORRUGATED STEEL PIPE (.079" THICK) | 132.86 | |
| | | Note: Includes 0.98 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0024 | LF | CALTRANS 665030 30" CORRUGATED STEEL PIPE (.064" THICK) | 143.18 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0025 | LF | CALTRANS 665031 30" CORRUGATED STEEL PIPE (.079" THICK) | 153.05 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0026 | LF | CALTRANS 665032 30" CORRUGATED STEEL PIPE (.109" THICK) | 173.45 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0027 | LF | CALTRANS 665033 30" CORRUGATED STEEL PIPE (.138" THICK) | 191.08 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0028 | LF | CALTRANS 665035 36" CORRUGATED STEEL PIPE (.064" THICK) | 187.86 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0029 | LF | CALTRANS 665036 36" CORRUGATED STEEL PIPE (.079" THICK) | 199.85 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0030 | LF | CALTRANS 665037 36" CORRUGATED STEEL PIPE (.109" THICK) | 224.06 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0031 | LF | CALTRANS 665038 36" CORRUGATED STEEL PIPE (.138" THICK) | 246.72 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0032 | LF | CALTRANS 665039 36" CORRUGATED STEEL PIPE (.168" THICK) | 273.50 | |
| | | Note: Includes 1.30 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0033 | LF | CALTRANS 665040 42" CORRUGATED STEEL PIPE (.064" THICK) | 218.50 | |
| | | Note: Includes 1.53 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0034 | LF | CALTRANS 665041 42" CORRUGATED STEEL PIPE (.079" THICK) | 232.23 | |
| | | Note: Includes 1.53 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0035 | LF | CALTRANS 665042 42" CORRUGATED STEEL PIPE (.109" THICK) | 260.20 | |
| | | Note: Includes 1.53 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0036 | LF | CALTRANS 665043 42" COORUGATED STEEL PIPE (.138" THICK) | 286.72 | |
| | | Note: Includes 1.53 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0037 | LF | CALTRANS 665045 48" CORRUGATED STEEL PIPE (.064" THICK) | 248.81 | |
| | | Note: Includes 1.78 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0038 | LF | CALTRANS 665046 48" CORRUGATED STEEL PIPE (.079" THICK) | 264.51 | |
| | | Note: Includes 1.78 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0039 | LF | CALTRANS 665047 48" CORRUGATED STEEL PIPE (.109" THICK) | 296.57 | |
| | | Note: Includes 1.78 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 66-0040 | LF | CALTRANS 665048 48" CORRUGATED STEEL PIPE (.138" THICK) | 326.66 | |
| | | Note: Includes 1.78 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0041 | LF | CALTRANS 665049 48" CORRUGATED STEEL PIPE (.168" THICK) | 362.11 | |
| | | Note: Includes 1.78 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0042 | LF | CALTRANS 665050 54" CORRUGATED STEEL PIPE (.079" THICK) | 322.31 | |
| | | Note: Includes 2.05 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0043 | LF | CALTRANS 665051 54" CORRUGATED STEEL PIPE (.109" THICK) | 357.71 | |
| | | Note: Includes 2.05 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0044 | LF | CALTRANS 665052 54" CORRUGATED STEEL PIPE (.138" THICK) | 391.41 | |
| | | Note: Includes 2.05 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0045 | LF | CALTRANS 665053 54" CORRUGATED STEEL PIPE (.168" THICK) | 433.41 | |
| | | Note: Includes 2.05 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0046 | LF | CALTRANS 665055 60" CORRUGATED STEEL PIPE (.109" THICK) | 413.16 | |
| | | Note: Includes 2.33 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0047 | LF | CALTRANS 665056 60" CORRUGATED STEEL PIPE (.138" THICK) | 450.67 | |
| | | Note: Includes 2.33 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0048 | LF | CALTRANS 665057 60" CORRUGATED STEEL PIPE (.168" THICK) | 496.79 | |
| | | Note: Includes 2.33 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0049 | LF | CALTRANS 665058 66" CORRUGATED STEEL PIPE (.109" THICK) | 495.34 | |
| | | Note: Includes 2.64 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0050 | LF | CALTRANS 665059 66" CORRUGATED STEEL PIPE (.138" THICK) | 536.57 | |
| | | Note: Includes 2.64 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0051 | LF | CALTRANS 665061 72" CORRUGATED STEEL PIPE (.109" THICK) | 663.69 | |
| | | Note: Includes 2.96 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0052 | LF | CALTRANS 665062 72" CORRUGATED STEEL PIPE (.138" THICK) | 722.13 | |
| | | Note: Includes 2.96 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0053 | LF | CALTRANS 665064 78" CORRUGATED STEEL PIPE (.138" THICK) | 780.91 | |
| | | Note: Includes 3.31 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0054 | LF | CALTRANS 665066 84" CORRUGATED STEEL PIPE (.138" THICK) | 836.53 | |
| | | Note: Includes 3.67 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0055 | LF | CALTRANS 665067 84" CORRUGATED STEEL PIPE (.168" THICK) | 924.35 | |
| | | Note: Includes 3.67 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0056 | LF | CALTRANS 665068 90" CORRUGATED STEEL PIPE (.138" THICK) | 896.41 | |
| | | Note: Includes 4.05 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0057 | LF | CALTRANS 665070 96" CORRUGATED STEEL PIPE (.168" THICK) | 954.22 | |
| | | Note: Includes 4.44 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0058 | LF | CALTRANS 665075 18" CORRUGATED STEEL PIPE (.138" THICK) | 110.61 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0059 | LF | CALTRANS 665094 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) | 120.34 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0060 | LF | CALTRANS 665103 6" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) | 35.35 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0061 | LF | CALTRANS 665105 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) | 44.28 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 66-0062 | LF | CALTRANS 665106 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) | 47.39 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0063 | LF | CALTRANS 665108 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) | 54.60 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0064 | LF | CALTRANS 665109 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) | 58.52 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0065 | LF | CALTRANS 665111 12" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) | 60.60 | |
| | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0066 | LF | CALTRANS 665112 12" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) | 64.66 | |
| | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0067 | LF | CALTRANS 665113 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) | 75.78 | |
| | | Note: Includes 0.53 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0068 | LF | CALTRANS 665114 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) | 80.83 | |
| | | Note: Includes 0.53 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0069 | LF | CALTRANS 665115 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) | 93.18 | |
| | | Note: Includes 0.53 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0070 | LF | CALTRANS 665116 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) | 88.70 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0071 | LF | CALTRANS 665117 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) | 94.79 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0072 | LF | CALTRANS 665118 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) | 108.26 | |
| | | Note: Includes 0.64 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0073 | LF | CALTRANS 665119 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) | 105.08 | |
| | | Note: Includes 0.80 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0074 | LF | CALTRANS 665120 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) | 112.08 | |
| | | Note: Includes 0.80 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0075 | LF | CALTRANS 665121 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) | 127.71 | |
| | | Note: Includes 0.80 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0076 | LF | CALTRANS 665122 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) | 112.49 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0077 | LF | CALTRANS 665123 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) | 124.95 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0078 | LF | CALTRANS 665124 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) | 142.77 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0079 | LF | CALTRANS 665125 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) | 158.96 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0080 | LF | CALTRANS 665130 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) | 155.24 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0081 | LF | CALTRANS 665131 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) | 165.11 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0082 | LF | CALTRANS 665132 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) | 187.07 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0083 | LF | CALTRANS 665133 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) | 207.66 | |
| | | Note: Includes 1.08 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 66-0084 | LF | CALTRANS 665135 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 1.30 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 203.07<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0085 | LF | CALTRANS 665136 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 1.30 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 214.97<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0086 | LF | CALTRANS 665137 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 1.30 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 240.90<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0087 | LF | CALTRANS 665138 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)<br>Note: Includes 1.30 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 268.14<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0088 | LF | CALTRANS 665139 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)<br>Note: Includes 1.30 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 299.66<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0089 | LF | CALTRANS 665140 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 1.53 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 236.50<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0090 | LF | CALTRANS 665141 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 1.53 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 250.03<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0091 | LF | CALTRANS 665142 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 1.53 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 279.94<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0092 | LF | CALTRANS 665143 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)<br>Note: Includes 1.53 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 311.81<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0093 | LF | CALTRANS 665145 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 1.78 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 268.97<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0094 | LF | CALTRANS 665146 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 1.78 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 284.51<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0095 | LF | CALTRANS 665147 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 1.78 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 318.85<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0096 | LF | CALTRANS 665148 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)<br>Note: Includes 1.78 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 355.02<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0097 | LF | CALTRANS 665149 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)<br>Note: Includes 1.78 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 396.76<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0098 | LF | CALTRANS 665150 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 2.05 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 346.90<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0099 | LF | CALTRANS 665151 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 2.05 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 384.42<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0100 | LF | CALTRANS 665152 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)<br>Note: Includes 2.05 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 425.01<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0101 | LF | CALTRANS 665153 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)<br>Note: Includes 2.05 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 474.44<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0102 | LF | CALTRANS 665155 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 2.33 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 442.43<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0103 | LF | CALTRANS 665156 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)<br>Note: Includes 2.33 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 487.57<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0104 | LF | CALTRANS 665157 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)<br>Note: Includes 2.33 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 541.86<br>*0.98*<br>*1.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 66-0105 | LF | CALTRANS 665158 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 2.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 530.96<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0106 | LF | CALTRANS 665159 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)<br>Note: Includes 2.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 579.20<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0107 | LF | CALTRANS 665160 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)<br>Note: Includes 2.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 645.65<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0108 | LF | CALTRANS 665161 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 2.96 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 721.99<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0109 | LF | CALTRANS 665162 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)<br>Note: Includes 2.96 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 792.11<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0110 | LF | CALTRANS 665163 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)<br>Note: Includes 2.96 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 872.59<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0111 | LF | CALTRANS 665164 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)<br>Note: Includes 3.31 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 854.77<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0112 | LF | CALTRANS 665165 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)<br>Note: Includes 3.31 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 941.77<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0113 | LF | CALTRANS 665166 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)<br>Note: Includes 3.67 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 916.37<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0114 | LF | CALTRANS 665167 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)<br>Note: Includes 3.67 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 1,021.75<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0115 | LF | CALTRANS 665168 90" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)<br>Note: Includes 4.05 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 981.16<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0116 | LF | CALTRANS 665180 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK)<br>Note: Includes 0.89 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 182.64<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0117 | LF | CALTRANS 665223 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.89 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 137.32<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0118 | LF | CALTRANS 665224 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 0.89 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 151.40<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0119 | LF | CALTRANS 665237 36" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 1.30 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 254.47<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0120 | LF | CALTRANS 665323 24" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.89 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 124.95<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0121 | LF | CALTRANS 665334 30" BITUMINOUS LINED CORRUGATED STEEL PIPE (.168" THICK)<br>Note: Includes 1.08 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 237.78<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0122 | LF | CALTRANS 665336 36" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 1.30 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 214.97<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0123 | LF | CALTRANS 665711 12" SLOTTED CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.37 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 62.55<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0124 | LF | CALTRANS 665712 12" SLOTTED CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.37 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 66.84<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0125 | LF | CALTRANS 665713 12" SLOTTED CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 0.37 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 80.22<br>*0.98*<br>*1.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 66-0126 | LF | CALTRANS 665716 18" SLOTTED CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 111.17<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0127 | LF | CALTRANS 665717 18" SLOTTED CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 121.02<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0128 | LF | CALTRANS 665718 18" SLOTTED CORRUGATED STEEL PIPE (.168" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 205.28<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0129 | LF | CALTRANS 665722 24" SLOTTED CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.89 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 120.38<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0130 | LF | CALTRANS 665723 24" SLOTTED CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.89 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 129.10<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0131 | LF | CALTRANS 665811 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.37 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 68.65<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0132 | LF | CALTRANS 665812 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.37 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 73.98<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0133 | LF | CALTRANS 665816 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 125.18<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0134 | LF | CALTRANS 665817 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 137.39<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0135 | LF | CALTRANS 665818 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.109" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 175.56<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0136 | LF | CALTRANS 665820 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.138" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 205.47<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0137 | LF | CALTRANS 665822 24" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK)<br>Note: Includes 0.89 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 143.61<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0138 | LF | CALTRANS 665828 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.168" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 242.06<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0139 | LF | CALTRANS 667001 17" X 13" CORRUGATED STEEL PIPE ARCH (.079" THICK)<br>Note: Includes 0.53 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 78.00<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0140 | LF | CALTRANS 667005 21" X 15" CORRUGATED STEEL PIPE ARCH (.079" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 95.28<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0141 | LF | CALTRANS 667006 21" X 15" CORRUGATED STEEL PIPE ARCH (.109" THICK)<br>Note: Includes 0.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 107.65<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0142 | LF | CALTRANS 667009 24" X 18" CORRUGATED STEEL PIPE ARCH (.079" THICK)<br>Note: Includes 0.80 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 111.97<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0143 | LF | CALTRANS 667010 24" X 18" CORRUGATED STEEL PIPE ARCH (.109" THICK)<br>Note: Includes 0.80 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 126.54<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0144 | LF | CALTRANS 667013 28" X 20" CORRUGATED STEEL PIPE ARCH (.079" THICK)<br>Note: Includes 0.89 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 118.28<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0145 | LF | CALTRANS 667014 28" X 20" CORRUGATED STEEL PIPE ARCH (.109" THICK)<br>Note: Includes 0.89 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 141.90<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0146 | LF | CALTRANS 667015 28" X 20" CORRUGATED STEEL PIPE ARCH (.138" THICK)<br>Note: Includes 0.89 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 156.35<br>*0.98*<br>*1.33* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 66-0147 | LF | CALTRANS 667018 35" X 24" CORRUGATED STEEL PIPE ARCH (.079" THICK)<br>Note: Includes 1.08 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 165.33<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0148 | LF | CALTRANS 667019 35" X 24" CORRUGATED STEEL PIPE ARCH (.109" THICK)<br>Note: Includes 1.08 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 185.69<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0149 | LF | CALTRANS 667020 35" X 24" CORRUGATED STEEL PIPE ARCH (.138" THICK)<br>Note: Includes 1.08 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 203.88<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0150 | LF | CALTRANS 667023 42" X 29" CORRUGATED STEEL PIPE ARCH (.079" THICK)<br>Note: Includes 1.30 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 204.41<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0151 | LF | CALTRANS 667024 42" X 29" CORRUGATED STEEL PIPE ARCH (.109" THICK)<br>Note: Includes 1.30 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 228.48<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0152 | LF | CALTRANS 667025 42" X 29" CORRUGATED STEEL PIPE ARCH (.138" THICK)<br>Note: Includes 1.30 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 251.14<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0153 | LF | CALTRANS 667028 49" X 33" CORRUGATED STEEL PIPE ARCH (.079" THICK)<br>Note: Includes 1.53 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 238.72<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0154 | LF | CALTRANS 667029 49" X 33" CORRUGATED STEEL PIPE ARCH (.109" THICK)<br>Note: Includes 1.53 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 266.50<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0155 | LF | CALTRANS 667030 49" X 33" CORRUGATED STEEL PIPE ARCH (.138" THICK)<br>Note: Includes 1.53 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 292.92<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0156 | LF | CALTRANS 667033 57" X 38" CORRUGATED STEEL PIPE ARCH (.079" THICK)<br>Note: Includes 1.78 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 285.96<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0157 | LF | CALTRANS 667034 57" X 38" CORRUGATED STEEL PIPE ARCH (.109" THICK)<br>Note: Includes 1.78 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 310.63<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0158 | LF | CALTRANS 667035 57" X 38" CORRUGATED STEEL PIPE ARCH (.138" THICK)<br>Note: Includes 1.78 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 340.57<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0159 | LF | CALTRANS 667037 64" X 43" CORRUGATED STEEL PIPE ARCH (.079" THICK)<br>Note: Includes 2.05 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 333.56<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0160 | LF | CALTRANS 667038 64" X 43" CORRUGATED STEEL PIPE ARCH (.109" THICK)<br>Note: Includes 2.05 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 360.81<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0161 | LF | CALTRANS 667041 71" X 47" CORRUGATED STEEL PIPE ARCH (.109" THICK)<br>Note: Includes 2.33 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 420.05<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0162 | LF | CALTRANS 667042 71" X 47" CORRUGATED STEEL PIPE ARCH (.138" THICK)<br>Note: Includes 2.33 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 454.15<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0163 | LF | CALTRANS 667048 83" X 57" CORRUGATED STEEL PIPE ARCH (.138" THICK)<br>Note: Includes 2.64 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 690.54<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0164 | LF | CALTRANS 667114 28" X 20" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.109" THICK)<br>Note: Includes 0.89 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 153.26<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0165 | LF | CALTRANS 667326 42" X 29" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.168" THICK)<br>Note: Includes 1.30 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 304.87<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0166 | LF | CALTRANS 669012 12" CORRUGATED STEEL PIPE CONDUIT (.079" THICK)<br>Note: Includes 0.37 CY of excavated material per LF of pipe.<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 60.06<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0167 | LF | CALTRANS 669016 18" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 81.79<br>*0.98*<br>*1.33* | |
| 50 89 87 66-0168 | LF | CALTRANS 669017 18" CORRUGATED STEEL PIPE CONDUIT (.079" THICK)<br>*For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe*<br>*For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | 87.81<br>*0.98*<br>*1.33* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 66-0169 | LF | CALTRANS 669018 18" CORRUGATED STEEL PIPE CONDUIT (.109" THICK) | 100.27 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0170 | LF | CALTRANS 669055 8" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.064" THICK) | 44.28 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 66-0171 | LF | CALTRANS 669072 24" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.079" THICK) | 124.95 | |
| | | Note: Includes 0.89 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |

## 50 89 87 67 STRUCTURAL PLATE CULVERTS *(50 89 87)*

Note: Includes structural metal plate pipe, arches and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, testing, and other connecting devices per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 87 67-0001 | LF | CALTRANS 670602 90" STRUCTURAL STEEL PLATE PIPE (.138" THICK) | 965.19 | |
| | | Note: Includes 4.05 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 67-0002 | LF | CALTRANS 670901 108" STRUCTURAL STEEL PLATE PIPE (.109" THICK) | 1,054.80 | |
| | | Note: Includes 5.30 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 67-0003 | LF | CALTRANS 671101 120" STRUCTURAL STEEL PLATE PIPE (.109" THICK) | 1,169.28 | |
| | | Note: Includes 6.22 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 67-0004 | LF | CALTRANS 674351 11'-10" X 7'-7" STRUCTURAL STEEL PLATE PIPE ARCH (.109" THICK) | 1,345.89 | |
| | | Note: Includes 0.32 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |

## 50 89 87 68 SUBSURFACE DRAINS *(50 89 87)*

Note: Includes subsurface drains, excavation, backfill and compaction per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 87 68-0001 | LF | CALTRANS 680402 6" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK) | 34.24 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 68-0002 | LF | CALTRANS 680405 8" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK) | 45.99 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 68-0003 | LF | CALTRANS 680406 8" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK) | 50.22 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 68-0004 | LF | CALTRANS 680411 12" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK) | 64.82 | |
| | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 68-0005 | LF | CALTRANS 680412 12" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK) | 70.37 | |
| | | Note: Includes 0.37 CY of excavated material per LF of pipe. | | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |
| 50 89 87 68-0006 | LF | CALTRANS 680436 8" BITUMINOUS COATED PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK) | 54.96 | |
| | | *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* | *0.98* | |
| | | *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe* | *1.33* | |

## 50 89 87 69 OVERSIDE DRAINS *(50 89 87)*

Note: Includes constructing overside drains, excavation, backfill, compaction and anchors per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 87 69-0001 | LF | CALTRANS 690103 6" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 32.19 | |
| 50 89 87 69-0002 | LF | CALTRANS 690105 8" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) | 39.96 | |
| 50 89 87 69-0003 | LF | CALTRANS 690106 8" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 43.06 | |
| 50 89 87 69-0004 | LF | CALTRANS 690107 10" CORRUGATED STEEL PIPE DOWNDRAIN | 51.71 | |
| 50 89 87 69-0005 | LF | CALTRANS 690111 12" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) | 54.58 | |
| 50 89 87 69-0006 | LF | CALTRANS 690112 12" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 58.62 | |
| 50 89 87 69-0007 | LF | CALTRANS 690114 15" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 73.10 | |
| 50 89 87 69-0008 | LF | CALTRANS 690115 15" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 83.38 | |
| 50 89 87 69-0009 | LF | CALTRANS 690116 18" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) | 79.54 | |
| 50 89 87 69-0010 | LF | CALTRANS 690117 18" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 85.55 | |
| 50 89 87 69-0011 | LF | CALTRANS 690118 18" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 98.01 | |
| 50 89 87 69-0012 | LF | CALTRANS 690122 24" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) | 103.20 | |
| 50 89 87 69-0013 | LF | CALTRANS 690123 24" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 111.28 | |
| 50 89 87 69-0014 | LF | CALTRANS 690124 24" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 127.78 | |
| 50 89 87 69-0015 | LF | CALTRANS 690125 24" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) | 141.64 | |
| 50 89 87 69-0016 | LF | CALTRANS 690131 30" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 148.26 | |
| 50 89 87 69-0017 | LF | CALTRANS 690132 30" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 168.66 | |
| 50 89 87 69-0018 | LF | CALTRANS 690134 30" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) | 186.29 | |
| 50 89 87 69-0019 | LF | CALTRANS 690136 36" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 194.47 | |
| 50 89 87 69-0020 | LF | CALTRANS 690137 36" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 218.68 | |
| 50 89 87 69-0021 | LF | CALTRANS 690138 36" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) | 241.34 | |
| 50 89 87 69-0022 | LF | CALTRANS 690142 42" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 252.34 | |
| 50 89 87 69-0023 | LF | CALTRANS 690147 48" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 285.89 | |
| 50 89 87 69-0024 | LF | CALTRANS 690148 48" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) | 315.98 | |
| 50 89 87 69-0025 | LF | CALTRANS 690150 54" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 346.10 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 69-0026 | LF | CALTRANS 690205 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) | 43.41 | |
| 50 89 87 69-0027 | LF | CALTRANS 690206 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 46.53 | |
| 50 89 87 69-0028 | LF | CALTRANS 690211 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) | 59.17 | |
| 50 89 87 69-0029 | LF | CALTRANS 690212 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 63.22 | |
| 50 89 87 69-0030 | LF | CALTRANS 690216 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) | 86.44 | |
| 50 89 87 69-0031 | LF | CALTRANS 690217 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 92.53 | |
| 50 89 87 69-0032 | LF | CALTRANS 690218 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 106.00 | |
| 50 89 87 69-0033 | LF | CALTRANS 690222 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) | 112.49 | |
| 50 89 87 69-0034 | LF | CALTRANS 690223 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 120.67 | |
| 50 89 87 69-0035 | LF | CALTRANS 690224 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 138.49 | |
| 50 89 87 69-0036 | LF | CALTRANS 690225 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) | 154.68 | |
| 50 89 87 69-0037 | LF | CALTRANS 690231 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 160.32 | |
| 50 89 87 69-0038 | LF | CALTRANS 690232 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 182.28 | |
| 50 89 87 69-0039 | LF | CALTRANS 690235 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) | 197.69 | |
| 50 89 87 69-0040 | LF | CALTRANS 690237 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 235.52 | |
| 50 89 87 69-0041 | LF | CALTRANS 690238 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) | 262.76 | |
| 50 89 87 69-0042 | LF | CALTRANS 690242 42" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 272.08 | |
| 50 89 87 69-0043 | LF | CALTRANS 690247 48" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 308.18 | |
| 50 89 87 69-0044 | LF | CALTRANS 690253 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) | 202.87 | |
| 50 89 87 69-0045 | LF | CALTRANS 690260 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) | 80.65 | |
| 50 89 87 69-0046 | LF | CALTRANS 690263 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) | 118.23 | |
| 50 89 87 69-0047 | LF | CALTRANS 690318 18" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 112.45 | |
| 50 89 87 69-0048 | LF | CALTRANS 690324 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 147.12 | |
| 50 89 87 69-0049 | LF | CALTRANS 690341 42" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) | 242.17 | |
| 50 89 87 69-0050 | LF | CALTRANS 690351 54" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) | 394.35 | |
| 50 89 87 69-0051 | LF | CALTRANS 690960 12" PLASTIC PIPE DOWNDRAIN | 55.79 | |
| 50 89 87 69-0052 | LF | CALTRANS 690964 18" PLASTIC PIPE DOWNDRAIN | 89.50 | |
| 50 89 87 69-0053 | EA | CALTRANS 692303 8" ANCHOR ASSEMBLY | 652.64 | |
| 50 89 87 69-0054 | EA | CALTRANS 692305 12" ANCHOR ASSEMBLY | 816.52 | |
| 50 89 87 69-0055 | EA | CALTRANS 692306 15" ANCHOR ASSEMBLY | 917.75 | |
| 50 89 87 69-0056 | EA | CALTRANS 692307 18" ANCHOR ASSEMBLY | 1,025.86 | |
| 50 89 87 69-0057 | EA | CALTRANS 692309 24" ANCHOR ASSEMBLY | 1,263.49 | |
| 50 89 87 69-0058 | EA | CALTRANS 692311 30" ANCHOR ASSEMBLY | 1,514.71 | |
| 50 89 87 69-0059 | EA | CALTRANS 692313 36" ANCHOR ASSEMBLY | 1,766.09 | |
| 50 89 87 69-0060 | EA | CALTRANS 692319 54" ANCHOR ASSEMBLY | 2,523.22 | |

## 50 89 87 70 MISCELLANEOUS DRAINAGE FACILITIES *(50 89 87)*

| | | | | |
|---|---|---|---|---|
| 50 89 87 70-0001 | LF | CALTRANS 700637 36" CORRUGATED STEEL PIPE INLET (.064" THICK) | 199.85 | |
| 50 89 87 70-0002 | LF | CALTRANS 700638 36" CORRUGATED STEEL PIPE INLET (.079" THICK) | 199.85 | |
| 50 89 87 70-0003 | LF | CALTRANS 700639 36" CORRUGATED STEEL PIPE INLET (.109" THICK) | 224.06 | |
| 50 89 87 70-0004 | LF | CALTRANS 700640 36" CORRUGATED STEEL PIPE INLET (.138" THICK) | 246.72 | |
| 50 89 87 70-0005 | LF | CALTRANS 700641 36" CORRUGATED STEEL PIPE INLET (.168" THICK) | 297.84 | |
| 50 89 87 70-0006 | LF | CALTRANS 700655 48" CORRUGATED STEEL PIPE INLET (.109" THICK) | 296.57 | |
| 50 89 87 70-0007 | LF | CALTRANS 700656 48" CORRUGATED STEEL PIPE INLET (.138" THICK) | 326.66 | |
| 50 89 87 70-0008 | LF | CALTRANS 700837 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.064" THICK) | 203.07 | |
| 50 89 87 70-0009 | LF | CALTRANS 700838 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK) | 213.56 | |
| 50 89 87 70-0010 | LF | CALTRANS 700839 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.109" THICK) | 240.90 | |
| 50 89 87 70-0011 | LF | CALTRANS 700840 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.138" THICK) | 268.14 | |
| 50 89 87 70-0012 | LF | CALTRANS 700854 48" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK) | 318.85 | |
| 50 89 87 70-0013 | LF | CALTRANS 703516 8" WELDED STEEL PIPE (.188" THICK) | 116.59 | 29.25 |
| | | *For >1,000, Deduct* | *-5.83* | |
| 50 89 87 70-0014 | LF | CALTRANS 703525 10" WELDED STEEL PIPE (.250" THICK) | 163.19 | 31.92 |
| | | *For >1,000, Deduct* | *-8.16* | |
| 50 89 87 70-0015 | LF | CALTRANS 703533 12" WELDED STEEL PIPE (.250" THICK) | 185.27 | 33.45 |
| | | *For >1,000, Deduct* | *-9.26* | |
| 50 89 87 70-0016 | LF | CALTRANS 703555 18" WELDED STEEL PIPE (.250" THICK) | 263.55 | 43.89 |
| | | *For >1,000, Deduct* | *-13.18* | |
| 50 89 87 70-0017 | LF | CALTRANS 703557 18" WELDED STEEL PIPE (.375" THICK) | 343.49 | 71.62 |
| | | *For >1,000, Deduct* | *-17.17* | |
| 50 89 87 70-0018 | LF | CALTRANS 703564 20" WELDED STEEL PIPE (.375" THICK) | 376.61 | 71.62 |
| | | *For >1,000, Deduct* | *-18.83* | |
| 50 89 87 70-0019 | LF | CALTRANS 703575 24" WELDED STEEL PIPE (.250" THICK) | 407.03 | 82.64 |
| | | *For >1,000, Deduct* | *-20.35* | |
| 50 89 87 70-0020 | LF | CALTRANS 703576 24" WELDED STEEL PIPE (.375" THICK) | 480.20 | 82.64 |
| | | *For >1,000, Deduct* | *-24.01* | |
| 50 89 87 70-0021 | LF | CALTRANS 703598 30" WELDED STEEL PIPE (.250" THICK) | 473.16 | 96.41 |
| | | *For >1,000, Deduct* | *-23.66* | |
| 50 89 87 70-0022 | LF | CALTRANS 703600 30" WELDED STEEL PIPE (.375" THICK) | 557.84 | 96.41 |
| | | *For >1,000, Deduct* | *-27.89* | |
| 50 89 87 70-0023 | LF | CALTRANS 703618 36" WELDED STEEL PIPE (.250" THICK) | 628.14 | 115.70 |
| | | *For >1,000, Deduct* | *-31.41* | |
| 50 89 87 70-0024 | LF | CALTRANS 703620 36" WELDED STEEL PIPE (.375" THICK) | 744.99 | 115.70 |
| | | *For >1,000, Deduct* | *-37.25* | |
| 50 89 87 70-0025 | LF | CALTRANS 703644 42" WELDED STEEL PIPE (.250" THICK) | 1,280.70 | 129.47 |
| | | *For >1,000, Deduct* | *-64.04* | |
| 50 89 87 70-0026 | LF | CALTRANS 703646 42" WELDED STEEL PIPE (.375" THICK) | 1,280.70 | 129.47 |
| | | *For >1,000, Deduct* | *-64.04* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 70-0027 | LF | CALTRANS 703656 48" WELDED STEEL PIPE (.375" THICK) | 1,470.72 | 146.00 |
| | | *For >1,000, Deduct* | *-73.54* | |
| 50 89 87 70-0028 | LF | CALTRANS 703755 8" COATED WELDED STEEL PIPE (.188" THICK) | 130.85 | 29.25 |
| | | *For >1,000, Deduct* | *-6.54* | |
| 50 89 87 70-0029 | LF | CALTRANS 703757 10" COATED WELDED STEEL PIPE (.250" THICK) | 179.08 | 31.92 |
| | | *For >1,000, Deduct* | *-8.95* | |
| 50 89 87 70-0030 | LF | CALTRANS 703760 12" COATED WELDED STEEL PIPE (.250" THICK) | 185.27 | 33.45 |
| | | *For >1,000, Deduct* | *-9.26* | |
| 50 89 87 70-0031 | LF | CALTRANS 703762 18" COATED WELDED STEEL PIPE (.250" THICK) | 290.47 | 43.89 |
| | | *For >1,000, Deduct* | *-14.52* | |
| 50 89 87 70-0032 | LF | CALTRANS 703763 18" COATED WELDED STEEL PIPE (.375" THICK) | 370.41 | 71.62 |
| | | *For >1,000, Deduct* | *-18.52* | |
| 50 89 87 70-0033 | LF | CALTRANS 703764 20" COATED WELDED STEEL PIPE (.375" THICK) | 406.54 | 71.62 |
| | | *For >1,000, Deduct* | *-20.33* | |
| 50 89 87 70-0034 | LF | CALTRANS 703765 24" COATED WELDED STEEL PIPE (.250" THICK) | 424.63 | 82.64 |
| | | *For >1,000, Deduct* | *-21.23* | |
| 50 89 87 70-0035 | LF | CALTRANS 703767 30" COATED WELDED STEEL PIPE (.250" THICK) | 518.03 | 96.41 |
| | | *For >1,000, Deduct* | *-25.90* | |
| 50 89 87 70-0036 | LF | CALTRANS 703768 30" COATED WELDED STEEL PIPE (.375" THICK) | 602.71 | 96.41 |
| | | *For >1,000, Deduct* | *-30.14* | |
| 50 89 87 70-0037 | LF | CALTRANS 703769 36" COATED WELDED STEEL PIPE (.250" THICK) | 681.98 | 115.70 |
| | | *For >1,000, Deduct* | *-34.10* | |
| 50 89 87 70-0038 | LF | CALTRANS 703769 36" COATED WELDED STEEL PIPE (.375" THICK) | 798.84 | 115.70 |
| | | *For >1,000, Deduct* | *-39.94* | |
| 50 89 87 70-0039 | LF | CALTRANS 703771 42" COATED WELDED STEEL PIPE (.250" THICK) | 1,343.52 | 129.47 |
| | | *For >1,000, Deduct* | *-67.18* | |
| 50 89 87 70-0040 | LF | CALTRANS 703772 42" COATED WELDED STEEL PIPE (.375" THICK) | 1,343.52 | 129.47 |
| | | *For >1,000, Deduct* | *-67.18* | |
| 50 89 87 70-0041 | LF | CALTRANS 703773 48" COATED WELDED STEEL PIPE (.375" THICK) | 1,542.51 | 146.00 |
| | | *For >1,000, Deduct* | *-77.13* | |
| 50 89 87 70-0042 | EA | CALTRANS 705007 12" STEEL FLARED END SECTION | 495.20 | 76.52 |
| 50 89 87 70-0043 | EA | CALTRANS 705009 15" STEEL FLARED END SECTION | 573.17 | 81.98 |
| 50 89 87 70-0044 | EA | CALTRANS 705011 18" STEEL FLARED END SECTION | 685.13 | 87.45 |
| 50 89 87 70-0045 | EA | CALTRANS 705013 21" STEEL FLARED END SECTION | 851.79 | 95.65 |
| 50 89 87 70-0046 | EA | CALTRANS 705015 24" STEEL FLARED END SECTION | 1,114.73 | 103.84 |
| 50 89 87 70-0047 | EA | CALTRANS 705016 27" STEEL FLARED END SECTION | 1,392.70 | 103.84 |
| 50 89 87 70-0048 | EA | CALTRANS 705019 30" STEEL FLARED END SECTION | 1,676.13 | 117.51 |
| 50 89 87 70-0049 | EA | CALTRANS 705023 36" STEEL FLARED END SECTION | 2,847.81 | 139.29 |
| 50 89 87 70-0050 | EA | CALTRANS 705027 42" STEEL FLARED END SECTION | 3,640.37 | 162.51 |
| 50 89 87 70-0051 | EA | CALTRANS 705031 48" STEEL FLARED END SECTION | 5,206.19 | 185.73 |
| 50 89 87 70-0052 | EA | CALTRANS 705035 54" STEEL FLARED END SECTION | 5,770.30 | 232.15 |
| 50 89 87 70-0053 | EA | CALTRANS 705037 60" STEEL FLARED END SECTION | 7,770.86 | 278.59 |
| 50 89 87 70-0054 | EA | CALTRANS 705039 66" STEEL FLARED END SECTION | 8,770.69 | 417.88 |
| 50 89 87 70-0055 | EA | CALTRANS 705041 72" STEEL FLARED END SECTION | 10,233.41 | 557.17 |
| 50 89 87 70-0056 | EA | CALTRANS 705057 12" BITUMINOUS COATED STEEL FLARED END SECTION | 576.30 | 76.52 |
| 50 89 87 70-0057 | EA | CALTRANS 705059 15" BITUMINOUS COATED STEEL FLARED END SECTION | 669.97 | 81.98 |
| 50 89 87 70-0058 | EA | CALTRANS 705061 18" BITUMINOUS COATED STEEL FLARED END SECTION | 801.68 | 87.45 |
| 50 89 87 70-0059 | EA | CALTRANS 705063 21" BITUMINOUS COATED STEEL FLARED END SECTION | 1,007.42 | 95.65 |
| 50 89 87 70-0060 | EA | CALTRANS 705065 24" BITUMINOUS COATED STEEL FLARED END SECTION | 1,329.35 | 103.84 |
| 50 89 87 70-0061 | EA | CALTRANS 705067 27" BITUMINOUS COATED STEEL FLARED END SECTION | 1,671.21 | 103.84 |
| 50 89 87 70-0062 | EA | CALTRANS 705069 30" BITUMINOUS COATED STEEL FLARED END SECTION | 2,018.53 | 117.51 |
| 50 89 87 70-0063 | EA | CALTRANS 705073 36" BITUMINOUS COATED STEEL FLARED END SECTION | 3,459.30 | 139.29 |
| 50 89 87 70-0064 | EA | CALTRANS 705077 42" BITUMINOUS COATED STEEL FLARED END SECTION | 4,428.53 | 162.51 |
| 50 89 87 70-0065 | EA | CALTRANS 705081 48" BITUMINOUS COATED STEEL FLARED END SECTION | 6,356.26 | 185.73 |
| 50 89 87 70-0066 | EA | CALTRANS 705084 54" BITUMINOUS COATED STEEL FLARED END SECTION | 7,029.83 | 232.15 |
| 50 89 87 70-0067 | EA | CALTRANS 705201 12" CONCRETE FLARED END SECTION | 912.96 | 135.23 |
| 50 89 87 70-0068 | EA | CALTRANS 705202 15" CONCRETE FLARED END SECTION | 1,100.62 | 168.55 |
| 50 89 87 70-0069 | EA | CALTRANS 705204 18" CONCRETE FLARED END SECTION | 1,336.68 | 213.35 |
| 50 89 87 70-0070 | EA | CALTRANS 705205 21" CONCRETE FLARED END SECTION | 1,532.80 | 255.13 |
| 50 89 87 70-0071 | EA | CALTRANS 705206 24" CONCRETE FLARED END SECTION | 1,866.93 | 295.31 |
| 50 89 87 70-0072 | EA | CALTRANS 705207 27" CONCRETE FLARED END SECTION | 2,261.11 | 471.62 |
| 50 89 87 70-0073 | EA | CALTRANS 705208 30" CONCRETE FLARED END SECTION | 2,368.54 | 649.34 |
| 50 89 87 70-0074 | EA | CALTRANS 705210 36" CONCRETE FLARED END SECTION | 3,196.26 | 819.50 |
| 50 89 87 70-0075 | EA | CALTRANS 705212 42" CONCRETE FLARED END SECTION | 3,845.63 | 1,028.21 |
| 50 89 87 70-0076 | EA | CALTRANS 705214 48" CONCRETE FLARED END SECTION | 4,174.72 | 1,159.62 |
| 50 89 87 70-0077 | EA | CALTRANS 705216 54" CONCRETE FLARED END SECTION | 4,679.70 | 1,298.79 |
| 50 89 87 70-0078 | EA | CALTRANS 705217 60" CONCRETE FLARED END SECTION | 5,183.49 | 1,298.79 |
| 50 89 87 70-0079 | EA | CALTRANS 705403 21" X 15" STEEL FLARED END PIPE ARCH SECTION | 726.04 | 87.45 |
| 50 89 87 70-0080 | EA | CALTRANS 705405 24" X 18" STEEL FLARED END PIPE ARCH SECTION | 792.94 | 95.65 |
| 50 89 87 70-0081 | EA | CALTRANS 705407 28" X 20" STEEL FLARED END PIPE ARCH SECTION | 855.34 | 103.84 |
| 50 89 87 70-0082 | EA | CALTRANS 705409 35" X 24" STEEL FLARED END PIPE ARCH SECTION | 1,287.04 | 117.51 |
| 50 89 87 70-0083 | EA | CALTRANS 705411 42" X 29" STEEL FLARED END PIPE ARCH SECTION | 2,453.32 | 139.29 |
| 50 89 87 70-0084 | EA | CALTRANS 705413 49" X 33" STEEL FLARED END PIPE ARCH SECTION | 3,288.20 | 162.51 |
| 50 89 87 70-0085 | EA | CALTRANS 705415 57" X 38" STEEL FLARED END PIPE ARCH SECTION | 5,069.05 | 185.73 |
| 50 89 87 70-0086 | EA | CALTRANS 705417 64" X 43" STEEL FLARED END PIPE ARCH SECTION | 5,807.53 | 232.15 |
| 50 89 87 70-0087 | EA | CALTRANS 705419 71" X 47" STEEL FLARED END PIPE ARCH SECTION | 7,014.71 | 278.59 |

## 50 89 87 71 EXISTING DRAINAGE FACILITIES *(50 89 87)*

Note: For work on culverts, inlets, headwalls, endwalls, aprons, drains, pipes, gutters, gutter depressions, junction structures, spillways, and check dams. Includes cleaning and preparing, inspecting and evaluating, repairing, rehabilitating, and reinspecting culverts, drain pipes, conduit, risers, downdrains, median drainage inlets, and underdrains per CALTRAN Standard.


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 71-0001 | EA | CALTRANS 710208 ADJUST FRAME AND COVER TO GRADE | 470.65 | |
| 50 89 87 71-0002 | LF | CALTRANS 710360 CLEANING, INSPECTING, AND PREPARING CULVERT (LF) | 57.78 | |
| | | *For >250 To 500, Deduct* | *-2.58* | |
| | | *For >500 To 1,000, Deduct* | *-5.16* | |
| | | *For >1,000 To 2,000, Deduct* | *-7.74* | |
| | | *For >2,000 To 5,000, Deduct* | *-10.32* | |
| | | *For >5,000, Deduct* | *-12.90* | |
| 50 89 87 71-0003 | CY | CALTRANS 710368 CULVERT SLURRY-CEMENT BACKFILL | 257.48 | |
| 50 89 87 71-0004 | CY | CALTRANS 710370 SAND BACKFILL | 58.46 | |
| | | *For Up To 10, Add* | *15.71* | |
| | | *For >10 To 25, Add* | *5.85* | |
| 50 89 87 71-0005 | LF | CALTRANS 710372 8" CURED-IN-PLACE PIPELINER | 83.96 | |
| | | *For >10 To 25, Add* | *59.15* | |
| | | *For >25 To 50, Add* | *38.84* | |
| | | *For >50 To 100, Add* | *19.42* | |
| | | *For >500 To 1,000, Deduct* | *-2.61* | |
| | | *For >1,000 To 2,000, Deduct* | *-4.80* | |
| | | *For >2,000 To 5,000, Deduct* | *-7.41* | |
| | | *For >5,000, Deduct* | *-11.79* | |
| 50 89 87 71-0006 | LF | CALTRANS 710374 10" CURED-IN-PLACE PIPELINER | 119.11 | |
| | | *For >10 To 25, Add* | *71.29* | |
| | | *For >25 To 50, Add* | *47.81* | |
| | | *For >50 To 100, Add* | *23.90* | |
| | | *For >500 To 1,000, Deduct* | *-3.40* | |
| | | *For >1,000 To 2,000, Deduct* | *-6.33* | |
| | | *For >2,000 To 5,000, Deduct* | *-9.73* | |
| | | *For >5,000, Deduct* | *-15.60* | |
| 50 89 87 71-0007 | LF | CALTRANS 710376 12" CURED-IN-PLACE PIPELINER | 141.87 | |
| | | *For >10 To 25, Add* | *81.26* | |
| | | *For >25 To 50, Add* | *54.83* | |
| | | *For >50 To 100, Add* | *27.41* | |
| | | *For >500 To 1,000, Deduct* | *-3.96* | |
| | | *For >1,000 To 2,000, Deduct* | *-7.40* | |
| | | *For >2,000 To 5,000, Deduct* | *-11.36* | |
| | | *For >5,000, Deduct* | *-18.26* | |
| 50 89 87 71-0008 | LF | CALTRANS 710378 15" CURED-IN-PLACE PIPELINER | 225.18 | |
| | | *For >10 To 25, Add* | *108.18* | |
| | | *For >25 To 50, Add* | *75.01* | |
| | | *For >50 To 100, Add* | *37.51* | |
| | | *For >500 To 1,000, Deduct* | *-5.77* | |
| | | *For >1,000 To 2,000, Deduct* | *-10.97* | |
| | | *For >2,000 To 5,000, Deduct* | *-16.74* | |
| | | *For >5,000, Deduct* | *-27.13* | |
| 50 89 87 71-0009 | LF | CALTRANS 710380 18" CURED-IN-PLACE PIPELINER | 269.92 | |
| | | *For >10 To 25, Add* | *126.09* | |
| | | *For >25 To 50, Add* | *87.85* | |
| | | *For >50 To 100, Add* | *43.92* | |
| | | *For >500 To 1,000, Deduct* | *-6.83* | |
| | | *For >1,000 To 2,000, Deduct* | *-13.01* | |
| | | *For >2,000 To 5,000, Deduct* | *-19.84* | |
| | | *For >5,000, Deduct* | *-32.20* | |
| 50 89 87 71-0010 | LF | CALTRANS 710382 21" CURED-IN-PLACE PIPELINER | 348.60 | |
| | | *For >10 To 25, Add* | *150.62* | |
| | | *For >25 To 50, Add* | *106.39* | |
| | | *For >50 To 100, Add* | *53.20* | |
| | | *For >500 To 1,000, Deduct* | *-8.52* | |
| | | *For >1,000 To 2,000, Deduct* | *-16.34* | |
| | | *For >2,000 To 5,000, Deduct* | *-24.87* | |
| | | *For >5,000, Deduct* | *-40.50* | |
| 50 89 87 71-0011 | LF | CALTRANS 710384 24" CURED-IN-PLACE PIPELINER | 437.92 | |
| | | *For >10 To 25, Add* | *178.76* | |
| | | *For >25 To 50, Add* | *127.61* | |
| | | *For >50 To 100, Add* | *63.81* | |
| | | *For >500 To 1,000, Deduct* | *-10.45* | |
| | | *For >1,000 To 2,000, Deduct* | *-20.13* | |
| | | *For >2,000 To 5,000, Deduct* | *-30.59* | |
| | | *For >5,000, Deduct* | *-49.95* | |
| 50 89 87 71-0012 | LF | CALTRANS 710386 27" CURED-IN-PLACE PIPELINER | 584.37 | |
| | | *For >10 To 25, Add* | *226.35* | |
| | | *For >25 To 50, Add* | *163.25* | |
| | | *For >50 To 100, Add* | *81.62* | |
| | | *For >500 To 1,000, Deduct* | *-13.65* | |
| | | *For >1,000 To 2,000, Deduct* | *-26.41* | |
| | | *For >2,000 To 5,000, Deduct* | *-40.06* | |
| | | *For >5,000, Deduct* | *-65.57* | |
| 50 89 87 71-0013 | LF | CALTRANS 710388 30" CURED-IN-PLACE PIPELINER | 650.90 | |
| | | *For >10 To 25, Add* | *251.83* | |
| | | *For >25 To 50, Add* | *181.66* | |
| | | *For >50 To 100, Add* | *90.83* | |
| | | *For >500 To 1,000, Deduct* | *-15.20* | |
| | | *For >1,000 To 2,000, Deduct* | *-29.40* | |
| | | *For >2,000 To 5,000, Deduct* | *-44.60* | |
| | | *For >5,000, Deduct* | *-73.01* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 71-0014 | LF | CALTRANS 710390 36" CURED-IN-PLACE PIPELINER | 781.02 | |
| | | *For >10 To 25, Add* | *295.36* | |
| | | *For >25 To 50, Add* | *214.04* | |
| | | *For >50 To 100, Add* | *107.02* | |
| | | *For >500 To 1,000, Deduct* | *-18.07* | |
| | | *For >1,000 To 2,000, Deduct* | *-35.02* | |
| | | *For >2,000 To 5,000, Deduct* | *-53.09* | |
| | | *For >5,000, Deduct* | *-87.00* | |
| 50 89 87 71-0015 | LF | CALTRANS 710392 42" CURED-IN-PLACE PIPELINER | 912.62 | |
| | | *For >10 To 25, Add* | *342.61* | |
| | | *For >25 To 50, Add* | *248.66* | |
| | | *For >50 To 100, Add* | *124.33* | |
| | | *For >500 To 1,000, Deduct* | *-21.05* | |
| | | *For >1,000 To 2,000, Deduct* | *-40.83* | |
| | | *For >2,000 To 5,000, Deduct* | *-61.88* | |
| | | *For >5,000, Deduct* | *-101.44* | |
| 50 89 87 71-0016 | LF | CALTRANS 710394 48" CURED-IN-PLACE PIPELINER | 1,046.38 | |
| | | *For >10 To 25, Add* | *395.27* | |
| | | *For >25 To 50, Add* | *286.51* | |
| | | *For >50 To 100, Add* | *143.25* | |
| | | *For >500 To 1,000, Deduct* | *-24.20* | |
| | | *For >1,000 To 2,000, Deduct* | *-46.91* | |
| | | *For >2,000 To 5,000, Deduct* | *-71.10* | |
| | | *For >5,000, Deduct* | *-116.52* | |
| 50 89 87 71-0017 | LF | CALTRANS 710396 54" CURED-IN-PLACE PIPELINER | 1,369.41 | |
| | | *For >10 To 25, Add* | *510.52* | |
| | | *For >25 To 50, Add* | *371.04* | |
| | | *For >50 To 100, Add* | *185.52* | |
| | | *For >500 To 1,000, Deduct* | *-31.50* | |
| | | *For >1,000 To 2,000, Deduct* | *-61.13* | |
| | | *For >2,000 To 5,000, Deduct* | *-92.63* | |
| | | *For >5,000, Deduct* | *-151.89* | |
| 50 89 87 71-0018 | LF | CALTRANS 710398 60" CURED-IN-PLACE PIPELINER | 1,745.30 | |
| | | *For >10 To 25, Add* | *665.83* | |
| | | *For >25 To 50, Add* | *481.66* | |
| | | *For >50 To 100, Add* | *240.83* | |
| | | *For >500 To 1,000, Deduct* | *-40.52* | |
| | | *For >1,000 To 2,000, Deduct* | *-78.48* | |
| | | *For >2,000 To 5,000, Deduct* | *-119.00* | |
| | | *For >5,000, Deduct* | *-194.93* | |
| 50 89 87 71-0019 | LF | CALTRANS 710400 18" DEFORMED/RE-FORMED HDPE PIPELINER | 213.25 | |
| | | *For >500 To 1,000, Deduct* | *-1.56* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.13* | |
| | | *For >2,000, Deduct* | *-6.26* | |
| 50 89 87 71-0020 | LF | CALTRANS 710402 21" DEFORMED/RE-FORMED HDPE PIPELINER | 241.15 | |
| | | *For >500 To 1,000, Deduct* | *-1.70* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.39* | |
| | | *For >2,000, Deduct* | *-6.78* | |
| 50 89 87 71-0021 | LF | CALTRANS 710404 24" DEFORMED/RE-FORMED HDPE PIPELINER | 293.94 | |
| | | *For >500 To 1,000, Deduct* | *-1.85* | |
| | | *For >1,000 To 2,000, Deduct* | *-3.70* | |
| | | *For >2,000, Deduct* | *-7.40* | |
| 50 89 87 71-0022 | LF | CALTRANS 710434 12" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) | 32.65 | |
| 50 89 87 71-0023 | LF | CALTRANS 710436 15" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) | 48.99 | |
| 50 89 87 71-0024 | LF | CALTRANS 710438 18" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) | 65.99 | |
| 50 89 87 71-0025 | LF | CALTRANS 710440 21" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) | 81.87 | |
| 50 89 87 71-0026 | LF | CALTRANS 710442 24" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) | 107.24 | |
| 50 89 87 71-0027 | LF | CALTRANS 710444 27" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) | 128.69 | |
| 50 89 87 71-0028 | LF | CALTRANS 710446 30" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) | 147.33 | |
| 50 89 87 71-0029 | LF | CALTRANS 710448 12" CEMENTITIOUS PIPELINER | 75.17 | |
| 50 89 87 71-0030 | LF | CALTRANS 710450 15" CEMENTITIOUS PIPELINER | 84.90 | |
| 50 89 87 71-0031 | LF | CALTRANS 710452 18" CEMENTITIOUS PIPELINER | 90.71 | |
| 50 89 87 71-0032 | LF | CALTRANS 710454 21" CEMENTITIOUS PIPELINER | 97.50 | |
| 50 89 87 71-0033 | LF | CALTRANS 710456 24" CEMENTITIOUS PIPELINER | 104.12 | |
| 50 89 87 71-0034 | LF | CALTRANS 710458 27" CEMENTITIOUS PIPELINER | 109.50 | |
| 50 89 87 71-0035 | LF | CALTRANS 710460 30" CEMENTITIOUS PIPELINER | 114.72 | |
| 50 89 87 71-0036 | LF | CALTRANS 710462 36" CEMENTITIOUS PIPELINER | 109.48 | |
| 50 89 87 71-0037 | LF | CALTRANS 710478 36" WELDED STEEL PIPELINER | 736.62 | |
| 50 89 87 71-0038 | LF | CALTRANS 710480 42" WELDED STEEL PIPELINER | 849.97 | |
| 50 89 87 71-0039 | LF | CALTRANS 710482 48" WELDED STEEL PIPELINER | 966.47 | |
| 50 89 87 71-0040 | LF | CALTRANS 710484 54" WELDED STEEL PIPELINER | 1,179.77 | |
| 50 89 87 71-0041 | LF | CALTRANS 710486 60" WELDED STEEL PIPELINER | 1,276.32 | |
| 50 89 87 71-0042 | LF | CALTRANS 710488 66" WELDED STEEL PIPELINER | 1,394.21 | |
| 50 89 87 71-0043 | LF | CALTRANS 710490 72" WELDED STEEL PIPELINER | 1,665.39 | |
| 50 89 87 71-0044 | LF | CALTRANS 710491 78" WELDED STEEL PIPELINER | 1,757.24 | |
| 50 89 87 71-0045 | LF | CALTRANS 710492 84" WELDED STEEL PIPELINER | 1,860.39 | |
| 50 89 87 71-0046 | LF | CALTRANS 710494 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 42" X 29") | 351.24 | |
| 50 89 87 71-0047 | LF | CALTRANS 710496 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 49" X 33") | 437.26 | |
| 50 89 87 71-0048 | LF | CALTRANS 710498 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 57" X 38") | 541.71 | |
| 50 89 87 71-0049 | LF | CALTRANS 710500 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 64" X 43") | 650.70 | |
| 50 89 87 71-0050 | LF | CALTRANS 710512 42" X 29" WELDED STEEL PIPELINER (ARCH) | 818.00 | |
| 50 89 87 71-0051 | LF | CALTRANS 710514 49" X 33" WELDED STEEL PIPELINER (ARCH) | 943.24 | |
| 50 89 87 71-0052 | LF | CALTRANS 710516 57" X 38" WELDED STEEL PIPELINER (ARCH) | 1,072.19 | |
| 50 89 87 71-0053 | LF | CALTRANS 710518 64" X 43" WELDED STEEL PIPELINER (ARCH) | 1,315.14 | |
| 50 89 87 71-0054 | LF | CALTRANS 710520 71" X 47" WELDED STEEL PIPELINER (ARCH) | 1,420.59 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 87 71-0055 | LF | CALTRANS 710522 83" X 57" WELDED STEEL PIPELINER (ARCH) | 1,865.20 | |
| 50 89 87 71-0056 | LF | CALTRANS 710524 HDPE PLASTIC PIPELINER (16" OD SDR 32.5) | 72.74 | |
| 50 89 87 71-0057 | LF | CALTRANS 710526 HDPE PLASTIC PIPELINER (18" OD SDR 32.5) | 91.43 | |
| 50 89 87 71-0058 | LF | CALTRANS 710528 HDPE PLASTIC PIPELINER (20" OD SDR 32.5) | 112.32 | |
| 50 89 87 71-0059 | LF | CALTRANS 710530 HDPE PLASTIC PIPELINER (22" OD SDR 32.5) | 129.59 | |
| 50 89 87 71-0060 | LF | CALTRANS 710532 HDPE PLASTIC PIPELINER (24" OD SDR 32.5) | 148.39 | |
| 50 89 87 71-0061 | LF | CALTRANS 710534 HDPE PLASTIC PIPELINER (26" OD SDR 32.5) | 169.44 | |
| 50 89 87 71-0062 | LF | CALTRANS 710536 HDPE PLASTIC PIPELINER (28" OD SDR 32.5) | 191.24 | |
| 50 89 87 71-0063 | LF | CALTRANS 710538 HDPE PLASTIC PIPELINER (30" OD SDR 32.5) | 221.70 | |
| 50 89 87 71-0064 | LF | CALTRANS 710540 HDPE PLASTIC PIPELINER (32" OD SDR 32.5) | 253.65 | |
| 50 89 87 71-0065 | LF | CALTRANS 710542 HDPE PLASTIC PIPELINER (34" OD SDR 32.5) | 280.47 | |
| 50 89 87 71-0066 | LF | CALTRANS 710544 HDPE PLASTIC PIPELINER (36" OD SDR 32.5) | 307.29 | |
| 50 89 87 71-0067 | LF | CALTRANS 710546 HDPE PLASTIC PIPELINER (39.5" OD SDR 32.5) | 351.54 | |
| 50 89 87 71-0068 | LF | CALTRANS 710548 HDPE PLASTIC PIPELINER (42" OD SDR 32.5) | 395.78 | |
| 50 89 87 71-0069 | LF | CALTRANS 710550 HDPE PLASTIC PIPELINER (48" OD SDR 32.5) | 510.10 | |
| 50 89 87 71-0070 | LF | CALTRANS 710552 HDPE PLASTIC PIPELINER (54" OD SDR 32.5) | 622.93 | |
| 50 89 87 71-0071 | LF | CALTRANS 710554 HDPE PLASTIC PIPELINER (55.3" OD SDR 32.5) | 657.88 | |
| 50 89 87 71-0072 | LF | CALTRANS 710556 HDPE PLASTIC PIPELINER (63.2" OD SDR 32.5) | 825.40 | |
| 50 89 87 71-0073 | LF | CALTRANS 710558 HDPE PLASTIC PIPELINER (16" OD SDR 26) | 86.99 | |
| 50 89 87 71-0074 | LF | CALTRANS 710660 HDPE PLASTIC PIPELINER (18" OD SDR 26) | 109.36 | |
| 50 89 87 71-0075 | LF | CALTRANS 710662 HDPE PLASTIC PIPELINER (20" OD SDR 26) | 134.69 | |
| 50 89 87 71-0076 | LF | CALTRANS 710664 HDPE PLASTIC PIPELINER (22" OD SDR 26) | 155.54 | |
| 50 89 87 71-0077 | LF | CALTRANS 710666 HDPE PLASTIC PIPELINER (24" OD SDR 26) | 178.27 | |
| 50 89 87 71-0078 | LF | CALTRANS 710668 HDPE PLASTIC PIPELINER (26" OD SDR 26) | 203.80 | |
| 50 89 87 71-0079 | LF | CALTRANS 710670 HDPE PLASTIC PIPELINER (28" OD SDR 26) | 230.26 | |
| 50 89 87 71-0080 | LF | CALTRANS 710672 HDPE PLASTIC PIPELINER (30" OD SDR 26) | 267.46 | |
| 50 89 87 71-0081 | LF | CALTRANS 710674 HDPE PLASTIC PIPELINER (32" OD SDR 26) | 306.51 | |
| 50 89 87 71-0082 | LF | CALTRANS 710766 HDPE PLASTIC PIPELINER (34" OD SDR 26) | 339.19 | |
| 50 89 87 71-0083 | LF | CALTRANS 710768 HDPE PLASTIC PIPELINER (36" OD SDR 26) | 371.86 | |
| 50 89 87 71-0084 | LF | CALTRANS 710770 HDPE PLASTIC PIPELINER (39.5" OD SDR 26) | 426.16 | |
| 50 89 87 71-0085 | LF | CALTRANS 710772 HDPE PLASTIC PIPELINER (42" OD SDR 26) | 480.45 | |
| 50 89 87 71-0086 | LF | CALTRANS 710774 HDPE PLASTIC PIPELINER (48" OD SDR 26) | 621.63 | |
| 50 89 87 71-0087 | LF | CALTRANS 710776 HDPE PLASTIC PIPELINER (54" OD SDR 26) | 760.97 | |
| 50 89 87 71-0088 | LF | CALTRANS 710778 HDPE PLASTIC PIPELINER (55.3" OD SDR 26) | 803.73 | |
| 50 89 87 71-0089 | LF | CALTRANS 710780 HDPE PLASTIC PIPELINER (63.2" OD SDR 26) | 1,010.31 | |
| 50 89 87 71-0090 | LF | CALTRANS 710882 HDPE PLASTIC PIPELINER (16" OD SDR 21) | 105.39 | |
| 50 89 87 71-0091 | LF | CALTRANS 710884 HDPE PLASTIC PIPELINER (18" OD SDR 21) | 132.52 | |
| 50 89 87 71-0092 | LF | CALTRANS 710886 HDPE PLASTIC PIPELINER (20" OD SDR 21) | 163.58 | |
| 50 89 87 71-0093 | LF | CALTRANS 710888 HDPE PLASTIC PIPELINER (22" OD SDR 21) | 189.05 | |
| 50 89 87 71-0094 | LF | CALTRANS 710890 HDPE PLASTIC PIPELINER (24" OD SDR 21) | 216.86 | |
| 50 89 87 71-0095 | LF | CALTRANS 710891 HDPE PLASTIC PIPELINER (26" OD SDR 21) | 248.18 | |
| 50 89 87 71-0096 | LF | CALTRANS 710892 HDPE PLASTIC PIPELINER (28" OD SDR 21) | 280.66 | |
| 50 89 87 71-0097 | LF | CALTRANS 710893 HDPE PLASTIC PIPELINER (30" OD SDR 21) | 326.56 | |
| 50 89 87 71-0098 | LF | CALTRANS 710894 HDPE PLASTIC PIPELINER (32" OD SDR 21) | 374.78 | |
| 50 89 87 71-0099 | LF | CALTRANS 710895 HDPE PLASTIC PIPELINER (34" OD SDR 21) | 415.03 | |
| 50 89 87 71-0100 | LF | CALTRANS 710896 HDPE PLASTIC PIPELINER (36" OD SDR 21) | 455.28 | |
| 50 89 87 71-0101 | LF | CALTRANS 710897 HDPE PLASTIC PIPELINER (39.5" OD SDR 21) | 522.55 | |
| 50 89 87 71-0102 | LF | CALTRANS 710898 HDPE PLASTIC PIPELINER (42" OD SDR 21) | 589.81 | |
| 50 89 87 71-0103 | LF | CALTRANS 710899 HDPE PLASTIC PIPELINER (48" OD SDR 21) | 765.70 | |
| 50 89 87 71-0104 | LF | CALTRANS 710900 HDPE PLASTIC PIPELINER (54" OD SDR 21) | 939.27 | |
| 50 89 87 71-0105 | LF | CALTRANS 710902 HDPE PLASTIC PIPELINER (55.3" OD SDR 21) | 992.12 | |
| 50 89 87 71-0106 | LF | CALTRANS 710904 HDPE PLASTIC PIPELINER (63.2" OD SDR 21) | 1,249.16 | |

## 50 89 88 CALTRANS DIVISION VIII - MISCELLANEOUS CONSTRUCTION *(50 89 80)*

### 50 89 88 73 CONCRETE CURBS AND SIDEWALKS *(50 89 88)*

| | | | | |
|---|---|---|---|---|
| 50 89 88 73-0001 | LF | CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 18" | 27.44 | |
| | | *For Up To 20, Add* | *16.32* | |
| | | *For >20 To 50, Add* | *9.24* | |
| | | *For >50 To 100, Add* | *3.54* | |
| | | *For >500 To 1,000, Deduct* | *-3.54* | |
| | | *For >1,000, Deduct* | *-5.99* | |
| 50 89 88 73-0002 | LF | CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 24" | 31.66 | |
| | | *For Up To 20, Add* | *18.24* | |
| | | *For >20 To 50, Add* | *10.31* | |
| | | *For >50 To 100, Add* | *3.97* | |
| | | *For >500 To 1,000, Deduct* | *-3.97* | |
| | | *For >1,000, Deduct* | *-6.74* | |
| 50 89 88 73-0003 | LF | CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 18" | 29.09 | |
| | | *For Up To 20, Add* | *16.72* | |
| | | *For >20 To 50, Add* | *9.45* | |
| | | *For >50 To 100, Add* | *3.64* | |
| | | *For >500 To 1,000, Deduct* | *-3.64* | |
| | | *For >1,000, Deduct* | *-6.18* | |
| 50 89 88 73-0004 | LF | CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 24" | 33.89 | |
| | | *For Up To 20, Add* | *18.69* | |
| | | *For >20 To 50, Add* | *10.54* | |
| | | *For >50 To 100, Add* | *4.08* | |
| | | *For >500 To 1,000, Deduct* | *-4.08* | |
| | | *For >1,000, Deduct* | *-6.96* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 88 73-0005 | LF | CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 36" | 47.25 | |
| | | *For Up To 20, Add* | *25.53* | |
| | | *For >20 To 50, Add* | *14.37* | |
| | | *For >50 To 100, Add* | *5.58* | |
| | | *For >500 To 1,000, Deduct* | *-5.58* | |
| | | *For >1,000, Deduct* | *-9.55* | |
| 50 89 88 73-0006 | LF | CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 24" | 41.32 | |
| | | *For Up To 20, Add* | *21.66* | |
| | | *For >20 To 50, Add* | *12.17* | |
| | | *For >50 To 100, Add* | *4.75* | |
| | | *For >500 To 1,000, Deduct* | *-4.75* | |
| | | *For >1,000, Deduct* | *-8.15* | |
| 50 89 88 73-0007 | LF | CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 36" | 58.30 | |
| | | *For Up To 20, Add* | *29.93* | |
| | | *For >20 To 50, Add* | *16.79* | |
| | | *For >50 To 100, Add* | *6.57* | |
| | | *For >500 To 1,000, Deduct* | *-6.57* | |
| | | *For >1,000, Deduct* | *-11.31* | |
| 50 89 88 73-0008 | LF | CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 18" | 36.64 | |
| | | *For Up To 20, Add* | *24.84* | |
| | | *For >20 To 50, Add* | *13.85* | |
| | | *For >50 To 100, Add* | *5.50* | |
| | | *For >500 To 1,000, Deduct* | *-4.69* | |
| | | *For >1,000, Deduct* | *-7.95* | |
| 50 89 88 73-0009 | LF | CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 24" | 44.39 | |
| | | *For Up To 20, Add* | *30.08* | |
| | | *For >20 To 50, Add* | *16.76* | |
| | | *For >50 To 100, Add* | *6.66* | |
| | | *For >500 To 1,000, Deduct* | *-5.67* | |
| | | *For >1,000, Deduct* | *-9.61* | |
| 50 89 88 73-0010 | LF | CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 30" | 57.88 | |
| | | *For Up To 20, Add* | *39.25* | |
| | | *For >20 To 50, Add* | *21.89* | |
| | | *For >50 To 100, Add* | *8.68* | |
| | | *For >500 To 1,000, Deduct* | *-7.42* | |
| | | *For >1,000, Deduct* | *-12.57* | |
| 50 89 88 73-0011 | LF | CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 36" | 60.99 | |
| | | *For Up To 20, Add* | *41.33* | |
| | | *For >20 To 50, Add* | *23.04* | |
| | | *For >50 To 100, Add* | *9.15* | |
| | | *For >500 To 1,000, Deduct* | *-7.79* | |
| | | *For >1,000, Deduct* | *-13.21* | |
| 50 89 88 73-0012 | SF | CALTRANS 730070 DETECTABLE WARNING SURFACE | 54.38 | |
| 50 89 88 73-0013 | CY | CALTRANS 731502 MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION) | 217.78 | |
| | | *For Up To 20, Add* | *15.03* | |
| | | *For >20 To 50, Add* | *5.64* | |
| | | *For >100 To 200, Deduct* | *-4.36* | |
| | | *For >200 To 400, Deduct* | *-8.71* | |
| | | *For >400, Deduct* | *-13.07* | |
| 50 89 88 73-0014 | SF | CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 4" | 9.88 | |
| | | *For Up To 100, Add* | *4.25* | |
| | | *For >100 To 500, Add* | *1.21* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.71* | |
| | | *For >5,000, Deduct* | *-1.56* | |
| 50 89 88 73-0015 | SF | CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 6" | 11.65 | |
| | | *For Up To 100, Add* | *4.83* | |
| | | *For >100 To 500, Add* | *1.35* | |
| | | *For >1,000 To 5,000, Deduct* | *-0.77* | |
| | | *For >5,000, Deduct* | *-1.73* | |
| 50 89 88 73-0016 | LF | CALTRANS 731700 REMOVE CURB | 13.35 | |
| 50 89 88 73-0017 | LF | CALTRANS 731710 REMOVE CONCRETE CURB (LF) | 17.87 | |
| | | *For Up To 20, Add* | *12.51* | |
| | | *For >20 To 50, Add* | *7.15* | |
| | | *For >50 To 100, Add* | *2.68* | |
| | | *For >500 To 1,000, Deduct* | *-2.68* | |
| | | *For >1,000, Deduct* | *-4.47* | |
| 50 89 88 73-0018 | SY | CALTRANS 731780 REMOVE CONCRETE SIDEWALK (SQYD) | 104.92 | |
| | | *For Up To 100, Add* | *43.48* | |
| | | *For >100 To 500, Add* | *12.15* | |
| | | *For >1,000 To 5,000, Deduct* | *-6.90* | |
| | | *For >5,000, Deduct* | *-15.60* | |
| 50 89 88 73-0019 | LF | CALTRANS 731840 REMOVE CONCRETE (CURB AND GUTTER) | 29.86 | |
| | | *For Up To 20, Add* | *20.90* | |
| | | *For >20 To 50, Add* | *11.94* | |
| | | *For >50 To 100, Add* | *4.48* | |
| | | *For >500 To 1,000, Deduct* | *-4.48* | |
| | | *For >1,000, Deduct* | *-7.47* | |

## 50 89 88 78 INCIDENTAL CONSTRUCTION *(50 89 88)*

| | | | | |
|---|---|---|---|---|
| 50 89 88 78-0001 | EA | CALTRANS 780210 SURVEY MONUMENT (TYPE A) | 646.90 | |
| 50 89 88 78-0002 | EA | CALTRANS 780250 ADJUST MONUMENT COVER TO GRADE | 255.29 | |
| 50 89 88 78-0003 | SF | CALTRANS 780433 PAINT CURB (2-COAT) | 4.98 | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 88 78-0004 | SF | CALTRANS 780460 ANTI-GRAFFITI COATING | 1.57 | |
| | | *For Up To 100, Add* | *0.87* | |
| | | *For >100 To 250, Add* | *0.42* | |
| | | *For >250 To 500, Add* | *0.18* | |
| 50 89 88 78-0005 | EA | CALTRANS 780500 PARKING BUMPER (PRECAST CONCRETE) | 107.02 | 24.93 |

## 50 89 88 80 FENCES *(50 89 88)*

Note: Includes constructing fences and gates, excavation, concrete footing, posts, bracing, tension wire, hardware and grounding material per CALTRAN Standard.

| | | | | |
|---|---|---|---|---|
| 50 89 88 80-0001 | LF | CALTRANS 800004 FENCE (TYPE BW, 5-STRAND, WOOD POST) | 14.64 | |
| 50 89 88 80-0002 | LF | CALTRANS 800006 FENCE (TYPE BW, 6-STRAND, WOOD POST) | 15.52 | |
| 50 89 88 80-0003 | LF | CALTRANS 800007 FENCE (TYPE BW, 5-STRAND, METAL POST) | 16.80 | |
| 50 89 88 80-0004 | LF | CALTRANS 800008 FENCE (TYPE BW, 4-STRAND, METAL POST) | 15.53 | |
| 50 89 88 80-0005 | LF | CALTRANS 800010 FENCE (TYPE BW, 4-STRAND, WOOD POST) | 13.74 | |
| 50 89 88 80-0006 | LF | CALTRANS 800016 FENCE (TYPE BW, 6-STRAND, METAL POST) | 17.67 | |
| 50 89 88 80-0007 | LF | CALTRANS 800103 TEMPORARY FENCE (TEMPORARY FENCE (TYPE CL-6) | 8.58 | |
| 50 89 88 80-0008 | LF | CALTRANS 800302 CHAIN LINK FENCE (TYPE CL-3, VINYL-CLAD) | 42.95 | |
| | | *For Up To 100, Add* | *8.05* | |
| | | *For >100 To 250, Add* | *2.95* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.48* | |
| | | *For >5,000, Deduct* | *-2.95* | |
| 50 89 88 80-0009 | LF | CALTRANS 800310 CHAIN LINK FENCE (TYPE CL-3.5) | 41.61 | |
| | | *For Up To 100, Add* | *7.83* | |
| | | *For >100 To 250, Add* | *2.87* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.44* | |
| | | *For >5,000, Deduct* | *-2.87* | |
| 50 89 88 80-0010 | LF | CALTRANS 800320 CHAIN LINK FENCE (TYPE CL-4) | 43.01 | |
| | | *For Up To 100, Add* | *8.06* | |
| | | *For >100 To 250, Add* | *2.96* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.48* | |
| | | *For >5,000, Deduct* | *-2.96* | |
| 50 89 88 80-0011 | LF | CALTRANS 800321 CHAIN LINK FENCE (TYPE CL-4, VINYL-CLAD) | 44.57 | |
| | | *For Up To 100, Add* | *8.29* | |
| | | *For >100 To 250, Add* | *3.03* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.52* | |
| | | *For >5,000, Deduct* | *-3.03* | |
| 50 89 88 80-0012 | LF | CALTRANS 800340 CHAIN LINK FENCE (TYPE CL-5) | 46.29 | |
| | | *For Up To 100, Add* | *8.60* | |
| | | *For >100 To 250, Add* | *3.14* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.57* | |
| | | *For >5,000, Deduct* | *-3.14* | |
| 50 89 88 80-0013 | LF | CALTRANS 800341 CHAIN LINK FENCE (TYPE CL-5, VINYL-CLAD) | 48.26 | |
| | | *For Up To 100, Add* | *8.90* | |
| | | *For >100 To 250, Add* | *3.24* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.62* | |
| | | *For >5,000, Deduct* | *-3.24* | |
| 50 89 88 80-0014 | LF | CALTRANS 800360 CHAIN LINK FENCE (TYPE CL-6) | 50.16 | |
| | | *For Up To 100, Add* | *9.29* | |
| | | *For >100 To 250, Add* | *3.39* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.70* | |
| | | *For >5,000, Deduct* | *-3.39* | |
| 50 89 88 80-0015 | LF | CALTRANS 800361 CHAIN LINK FENCE (TYPE CL-6, VINYL-CLAD) | 54.17 | |
| | | *For Up To 100, Add* | *9.89* | |
| | | *For >100 To 250, Add* | *3.59* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.80* | |
| | | *For >5,000, Deduct* | *-3.59* | |
| 50 89 88 80-0016 | LF | CALTRANS 800363 CHAIN LINK FENCE (TYPE CL-6, EXTENSION ARM) | 51.82 | |
| | | *For Up To 100, Add* | *9.54* | |
| | | *For >100 To 250, Add* | *3.48* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.74* | |
| | | *For >5,000, Deduct* | *-3.48* | |
| 50 89 88 80-0017 | LF | CALTRANS 800365 CHAIN LINK FENCE (TYPE CL-6, SLATTED) | 112.82 | |
| | | *For Up To 100, Add* | *19.13* | |
| | | *For >100 To 250, Add* | *6.75* | |
| | | *For >2,500 To 5,000, Deduct* | *-3.37* | |
| | | *For >5,000, Deduct* | *-6.75* | |
| 50 89 88 80-0018 | LF | CALTRANS 800400 CHAIN LINK FENCE (TYPE CL-8) | 59.15 | |
| | | *For Up To 100, Add* | *10.83* | |
| | | *For >100 To 250, Add* | *3.94* | |
| | | *For >2,500 To 5,000, Deduct* | *-1.97* | |
| | | *For >5,000, Deduct* | *-3.94* | |
| 50 89 88 80-0019 | EA | CALTRANS 802100 4' CHAIN LINK GATE (TYPE CL-4) | 464.86 | |
| 50 89 88 80-0020 | EA | CALTRANS 802110 5' CHAIN LINK GATE (TYPE CL-4) | 549.62 | |
| 50 89 88 80-0021 | EA | CALTRANS 802120 6' CHAIN LINK GATE (TYPE CL-4) | 646.51 | |
| 50 89 88 80-0022 | EA | CALTRANS 802180 12' CHAIN LINK GATE (TYPE CL-4) | 1,565.03 | |
| 50 89 88 80-0023 | EA | CALTRANS 802340 8' CHAIN LINK GATE (TYPE CL-5) | 980.69 | |
| 50 89 88 80-0024 | EA | CALTRANS 802400 14' CHAIN LINK GATE (TYPE CL-5) | 2,211.92 | |
| 50 89 88 80-0025 | EA | CALTRANS 802420 16' CHAIN LINK GATE (TYPE CL-5) | 2,548.79 | |
| 50 89 88 80-0026 | EA | CALTRANS 802440 18' CHAIN LINK GATE (TYPE CL-5) | 2,847.94 | |
| 50 89 88 80-0027 | EA | CALTRANS 802500 3' CHAIN LINK GATE (TYPE CL-6) | 474.32 | |
| 50 89 88 80-0028 | EA | CALTRANS 802501 4' CHAIN LINK GATE (TYPE CL-6) | 600.21 | |
| 50 89 88 80-0029 | EA | CALTRANS 802502 4' CHAIN LINK GATE (TYPE CL-6, VINYL-CLAD) | 288.91 | |
| 50 89 88 80-0030 | EA | CALTRANS 802503 4' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM) | 617.03 | |
| 50 89 88 80-0031 | EA | CALTRANS 802504 4' CHAIN LINK GATE (TYPE CL-6, SLATTED) | 639.03 | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 88 80-0032 | EA | CALTRANS 802510 5' CHAIN LINK GATE (TYPE CL-6) | 702.31 | |
| 50 89 88 80-0033 | EA | CALTRANS 802520 6' CHAIN LINK GATE (TYPE CL-6) | 815.77 | |
| 50 89 88 80-0034 | EA | CALTRANS 802540 8' CHAIN LINK GATE (TYPE CL-6) | 1,047.64 | |
| 50 89 88 80-0035 | EA | CALTRANS 802543 8' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM) | 1,065.97 | |
| 50 89 88 80-0036 | EA | CALTRANS 802550 9' CHAIN LINK GATE (TYPE CL-6) | 1,161.81 | |
| 50 89 88 80-0037 | EA | CALTRANS 802560 10' CHAIN LINK GATE (TYPE CL-6) | 1,719.42 | |
| 50 89 88 80-0038 | EA | CALTRANS 802580 12' CHAIN LINK GATE (TYPE CL-6) | 2,038.47 | |
| 50 89 88 80-0039 | EA | CALTRANS 802601 14' CHAIN LINK GATE (TYPE CL-6) | 2,417.12 | |
| 50 89 88 80-0040 | EA | CALTRANS 802620 16' CHAIN LINK GATE (TYPE CL-6) | 2,741.64 | |
| 50 89 88 80-0041 | EA | CALTRANS 802640 18' CHAIN LINK GATE (TYPE CL-6) | 3,075.48 | |
| 50 89 88 80-0042 | EA | CALTRANS 802660 20' CHAIN LINK GATE (TYPE CL-6) | 3,414.08 | |
| 50 89 88 80-0043 | EA | CALTRANS 802670 24' CHAIN LINK GATE (TYPE CL-6) | 4,103.45 | |
| 50 89 88 80-0044 | EA | CALTRANS 802840 18' CHAIN LINK GATE (TYPE CL-7) | 3,246.22 | |
| 50 89 88 80-0045 | LF | CALTRANS 802900 CHAIN LINK FENCE (TYPE CL-8, EXTENSION ARM) | 60.80 | |
| | | *For Up To 100, Add* | *11.08* | |
| | | *For >100 To 250, Add* | *4.02* | |
| | | *For >2,500 To 5,000, Deduct* | *-2.01* | |
| | | *For >5,000, Deduct* | *-4.02* | |
| 50 89 88 80-0046 | EA | CALTRANS 802901 4' CHAIN LINK GATE (TYPE CL-8) | 741.13 | |
| 50 89 88 80-0047 | EA | CALTRANS 802902 4' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM) | 757.95 | |
| 50 89 88 80-0048 | EA | CALTRANS 802920 6' CHAIN LINK GATE (TYPE CL-8) | 992.04 | |
| 50 89 88 80-0049 | EA | CALTRANS 802941 8' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM) | 1,288.80 | |
| 50 89 88 80-0050 | EA | CALTRANS 803010 14' CHAIN LINK GATE (TYPE CL-10, VINYL_CLAD) | 1,584.19 | |
| 50 89 88 80-0051 | LF | CALTRANS 803050 REMOVE CHAIN LINK FENCE | 5.98 | |
| | | *For Up To 100, Add* | *1.50* | |
| | | *For >100 To 250, Add* | *0.60* | |
| | | *For >2,500 To 5,000, Deduct* | *-0.30* | |
| | | *For >5,000, Deduct* | *-0.60* | |
| 50 89 88 80-0052 | EA | CALTRANS 803060 REMOVE GATE | 313.16 | |
| 50 89 88 80-0053 | EA | CALTRANS 803160 RESET GATE | 1,593.70 | |
| 50 89 88 80-0054 | LF | CALTRANS 803180 RELOCATE CHAIN LINK FENCE | 33.01 | |

## 50 89 89 CALTRANS DIVISION IX - TRAFFIC CONTROL DEVICES *(50 89 80)*

### 50 89 89 81 MISCELLANEOUS TRAFFIC CONTROL DEVICES *(50 89 89)*

| | | | | |
|---|---|---|---|---|
| 50 89 89 81-0001 | EA | CALTRANS 810120 REMOVE PAVEMENT MARKER | 3.02 | |
| | | *For >100, Deduct* | *-0.30* | |
| 50 89 89 81-0002 | EA | CALTRANS 810220 PAVEMENT MARKER (NON-REFLECTIVE) | 7.50 | 3.02 |
| | | *For >100, Deduct* | *-0.75* | |
| 50 89 89 81-0003 | EA | CALTRANS 810230 PAVEMENT MARKER (RETROREFLECTIVE) | 8.64 | 3.02 |
| | | *For >100, Deduct* | *-0.86* | |
| 50 89 89 81-0004 | EA | CALTRANS 810250 PAVEMENT MARKER (RETROREFLECTIVE-RECESSED) | 83.42 | 35.42 |

### 50 89 89 82 SIGNS AND MARKERS *(50 89 89)*

| | | | | |
|---|---|---|---|---|
| 50 89 89 82-0001 | EA | CALTRANS 820110 MILEPOST MARKER | 210.64 | |
| 50 89 89 82-0002 | SF | CALTRANS 820750 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED) | 20.60 | 42.33 |
| 50 89 89 82-0003 | SF | CALTRANS 820760 FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED) | 21.40 | 27.40 |

### 50 89 89 83 RAILINGS AND BARRIERS *(50 89 89)*

| | | | | |
|---|---|---|---|---|
| 50 89 89 83-0001 | LF | CALTRANS 832006 MIDWEST GUARDRAIL SYSTEM (STEEL POST) | 60.78 | 11.97 |
| 50 89 89 83-0002 | LF | CALTRANS 832007 MIDWEST GUARDRAIL SYSTEM (WOOD POST) | 120.79 | 16.99 |
| 50 89 89 83-0003 | LF | CALTRANS 839303 SINGLE THRIE BEAM BARRIER (STEEL POST) | 141.36 | 3.27 |
| 50 89 89 83-0004 | LF | CALTRANS 839752 REMOVE GUARDRAIL | 11.97 | |

### 50 89 89 84 MARKINGS *(50 89 89)*

| | | | | |
|---|---|---|---|---|
| 50 89 89 84-0001 | LF | CALTRANS 840505 6" THERMOPLASTIC TRAFFIC STRIPE | 2.10 | |
| | | *For Up To 5,000 LF, Add* | *0.42* | |
| | | *For >25,000 LF, Deduct* | *-0.32* | |
| 50 89 89 84-0002 | LF | CALTRANS 840506 8" THERMOPLASTIC TRAFFIC STRIPE | 2.77 | |
| | | *For Up To 5,000 LF, Add* | *0.55* | |
| | | *For >25,000 LF, Deduct* | *-0.42* | |
| 50 89 89 84-0003 | LF | CALTRANS 840507 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 8-4) | 1.24 | |
| | | *For Up To 5,000 LF, Add* | *0.25* | |
| | | *For >25,000 LF, Deduct* | *-0.19* | |
| 50 89 89 84-0004 | LF | CALTRANS 840508 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3) | 1.04 | |
| | | *For Up To 5,000 LF, Add* | *0.21* | |
| | | *For >25,000 LF, Deduct* | *-0.16* | |
| 50 89 89 84-0005 | SF | CALTRANS 840515 THERMOPLASTIC PAVEMENT MARKING | 8.46 | |
| 50 89 89 84-0006 | SF | CALTRANS 840519 THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING | 8.46 | |
| 50 89 89 84-0007 | LF | CALTRANS840522 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 6-1) | 0.69 | |
| | | *For Up To 5,000 LF, Add* | *0.14* | |
| | | *For >25,000 LF, Deduct* | *-0.10* | |
| 50 89 89 84-0008 | LF | CALTRANS 840528 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3) | 0.80 | |
| | | *For Up To 5,000 LF, Add* | *0.16* | |
| | | *For >25,000 LF, Deduct* | *-0.12* | |
| 50 89 89 84-0009 | LF | CALTRANS 840529 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12) | 0.95 | |
| | | *For Up To 5,000 LF, Add* | *0.19* | |
| | | *For >25,000 LF, Deduct* | *-0.14* | |


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 89 84-0010 | LF | CALTRANS 840530 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7) | 1.09 | |
| | | *For Up To 5,000 LF, Add* | *0.22* | |
| | | *For >25,000 LF, Deduct* | *-0.16* | |
| 50 89 89 84-0011 | LF | CALTRANS 840531 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 18-12) | 1.53 | |
| | | *For Up To 5,000 LF, Add* | *0.31* | |
| | | *For >25,000 LF, Deduct* | *-0.23* | |
| 50 89 89 84-0012 | LF | CALTRANS 840550 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12) | 1.23 | |
| | | *For Up To 5,000 LF, Add* | *0.25* | |
| | | *For >25,000 LF, Deduct* | *-0.18* | |
| 50 89 89 84-0013 | LF | CALTRANS 840583 6" TWO-COMPONENT PAINT TRAFFIC STRIPE | 0.88 | |
| | | *For Up To 5,000 LF, Add* | *0.18* | |
| | | *For >25,000 LF, Deduct* | *-0.13* | |
| 50 89 89 84-0014 | LF | CALTRANS 840584 8" TWO-COMPONENT PAINT TRAFFIC STRIPE | 1.07 | |
| | | *For Up To 5,000 LF, Add* | *0.21* | |
| | | *For >25,000 LF, Deduct* | *-0.16* | |
| 50 89 89 84-0015 | LF | CALTRANS 840610 8" TWO-COMPONENT PAINT TRAFFIC STRIPE BROKEN 12-3) | 0.54 | |
| | | *For Up To 5,000 LF, Add* | *0.11* | |
| | | *For >25,000 LF, Deduct* | *-0.08* | |
| 50 89 89 84-0016 | LF | CALTRANS 840612 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 6-1) | 0.48 | |
| | | *For Up To 5,000 LF, Add* | *0.10* | |
| | | *For >25,000 LF, Deduct* | *-0.07* | |
| 50 89 89 84-0017 | LF | CALTRANS 840614 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 12-3) | 0.57 | |
| | | *For Up To 5,000 LF, Add* | *0.11* | |
| | | *For >25,000 LF, Deduct* | *-0.09* | |
| 50 89 89 84-0018 | LF | CALTRANS 840616 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12) | 0.42 | |
| | | *For Up To 5,000 LF, Add* | *0.08* | |
| | | *For >25,000 LF, Deduct* | *-0.06* | |
| 50 89 89 84-0019 | LF | CALTRANS 840618 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 17-7) | 0.57 | |
| | | *For Up To 5,000 LF, Add* | *0.11* | |
| | | *For >25,000 LF, Deduct* | *-0.09* | |
| 50 89 89 84-0020 | LF | CALTRANS 840620 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 18-12) | 0.67 | |
| | | *For Up To 5,000 LF, Add* | *0.13* | |
| | | *For >25,000 LF, Deduct* | *-0.10* | |
| 50 89 89 84-0021 | LF | CALTRANS 840622 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 8-4) | 0.57 | |
| | | *For Up To 5,000 LF, Add* | *0.11* | |
| | | *For >25,000 LF, Deduct* | *-0.09* | |
| 50 89 89 84-0022 | LF | CALTRANS 840624 8" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12) | 0.71 | |
| | | *For Up To 5,000 LF, Add* | *0.14* | |
| | | *For >25,000 LF, Deduct* | *-0.11* | |
| 50 89 89 84-0023 | SF | CALTRANS 840637 TWO-COMPONENT PAINT PAVEMENT MARKING | 7.14 | |
| 50 89 89 84-0024 | SF | CALTRANS 840651 PAINTED STALL LINES AND PAVEMENT MARKINGS | 5.35 | |
| 50 89 89 84-0025 | LF | CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 4" Wide | 0.31 | |
| | | *For Up To 5,000 LF, Add* | *0.06* | |
| | | *For >25,000 LF, Deduct* | *-0.05* | |
| 50 89 89 84-0026 | LF | CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 6" Wide | 0.40 | |
| | | *For Up To 5,000 LF, Add* | *0.08* | |
| | | *For >25,000 LF, Deduct* | *-0.06* | |
| 50 89 89 84-0027 | LF | CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 8" Wide | 0.51 | |
| | | *For Up To 5,000 LF, Add* | *0.10* | |
| | | *For >25,000 LF, Deduct* | *-0.08* | |
| 50 89 89 84-0028 | LF | CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 4" Wide | 0.61 | |
| | | *For Up To 5,000 LF, Add* | *0.12* | |
| | | *For >25,000 LF, Deduct* | *-0.09* | |
| 50 89 89 84-0029 | LF | CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 6" Wide | 0.78 | |
| | | *For Up To 5,000 LF, Add* | *0.16* | |
| | | *For >25,000 LF, Deduct* | *-0.12* | |
| 50 89 89 84-0030 | LF | CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 8" Wide | 1.01 | |
| | | *For Up To 5,000 LF, Add* | *0.20* | |
| | | *For >25,000 LF, Deduct* | *-0.15* | |
| 50 89 89 84-0031 | SF | CALTRANS 840665 PAINT PAVEMENT MARKING (1-COAT) | 5.25 | |
| 50 89 89 84-0032 | SF | CALTRANS 840666 PAINT PAVEMENT MARKING (2-COAT) | 8.01 | |
| 50 89 89 84-0033 | LF | CALTRANS 846020 REMOVE PAINTED TRAFFIC STRIPE | 2.47 | |
| | | *For Up To 250, Add* | *1.24* | |
| | | *For >250 To 1,000, Add* | *0.62* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.37* | |
| | | *For >10,000 To 25,000, Deduct* | *-0.62* | |
| | | *For >25,000 To 50,000, Deduct* | *-0.86* | |
| | | *For >50,000, Deduct* | *-0.99* | |
| 50 89 89 84-0034 | SF | CALTRANS 846025 REMOVE PAINTED PAVEMENT MARKING | 4.26 | |
| | | *For Up To 250, Add* | *2.13* | |
| | | *For >250 To 1,000, Add* | *1.07* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.64* | |
| | | *For >10,000 To 25,000, Deduct* | *-1.07* | |
| | | *For >25,000 To 50,000, Deduct* | *-1.49* | |
| | | *For >50,000, Deduct* | *-1.70* | |
| 50 89 89 84-0035 | LF | CALTRANS 846030 REMOVE THERMOPLASTIC TRAFFIC STRIPE | 3.75 | |
| | | *For Up To 250, Add* | *1.88* | |
| | | *For >250 To 1,000, Add* | *0.94* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.56* | |
| | | *For >10,000 To 25,000, Deduct* | *-0.94* | |
| | | *For >25,000 To 50,000, Deduct* | *-1.31* | |
| | | *For >50,000, Deduct* | *-1.50* | |

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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|
| 50 89 89 84-0036 | SF | CALTRANS 846035 REMOVE THERMOPLASTIC PAVEMENT MARKING | 5.43 | |
| | | *For Up To 250, Add* | *2.72* | |
| | | *For >250 To 1,000, Add* | *1.36* | |
| | | *For >5,000 To 10,000, Deduct* | *-0.81* | |
| | | *For >10,000 To 25,000, Deduct* | *-1.36* | |
| | | *For >25,000 To 50,000, Deduct* | *-1.90* | |
| | | *For >50,000, Deduct* | *-2.17* | |

**END OF SECTION 50**


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| MINOR CSI | UOM | DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|---|---|---|---|---|

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